

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
 Data File : VN027178.D
 Acq On : 15 Sep 2015 21:57
 Operator : MD\FY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/16/2015 11:47:33 AM

Quant Time: Sep 16 01:41:09 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 21:12:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	580651	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1101119	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	940766	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	369354	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	591157	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
36) Dibromofluoromethane	7.68	113	375381	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
51) Toluene-d8	10.19	98	1445829	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
63) 4-Bromofluorobenzene	12.52	95	518959	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	325907	46.91	ug/l	99
3) Chlorodifluoromethane	1.82	51	400800	49.85	ug/l	94
4) Chloromethane	2.01	50	368441	47.41	ug/l	99
5) Vinyl Chloride	2.14	62	385957	47.04	ug/l	99
6) Bromomethane	2.54	94	184619	45.97	ug/l	97
7) Chloroethane	2.69	64	258268	46.30	ug/l	99
8) Trichlorofluoromethane	3.02	101	580315	46.82	ug/l	99
9) Diethyl Ether	3.42	74	264342	46.35	ug/l	88
10) 1,1,2-Trichlorotrifluoroet	3.79	101	355758	45.70	ug/l	97
11) Methyl Iodide	3.99	142	381882	50.47	ug/l	93
12) Tert butyl alcohol	4.80	59	271800	233.63	ug/l	97
13) 1,1-Dichloroethene	3.77	96	352079	47.23	ug/l	92
14) Acrolein	3.62	56	325799	238.39	ug/l	95
15) Allyl chloride	4.37	41	685289	45.51	ug/l #	82
16) Acrylonitrile	5.02	53	922373	242.45	ug/l	97
17) Acetone	3.82	43	741848	231.27	ug/l	94
18) Carbon Disulfide	4.11	76	1100296	45.32	ug/l	99
19) Methyl Acetate	4.36	43	1137115	48.94	ug/l	97
20) Methyl tert-butyl Ether	5.12	73	1395561	46.63	ug/l	96
21) Methylene Chloride	4.60	84	420442	47.05	ug/l	96
22) trans-1,2-Dichloroethene	5.12	96	378369	46.92	ug/l	93
23) Diisopropyl ether	6.04	45	1479406	46.83	ug/l	90
24) Vinyl Acetate	5.97	43	2541825	243.07	ug/l	98
25) 1,1-Dichloroethane	5.93	63	840097	45.77	ug/l	99
26) 2-Butanone	6.91	43	1150543	238.19	ug/l	97
27) 2,2-Dichloropropane	6.92	77	669961	42.07	ug/l	94
28) cis-1,2-Dichloroethene	6.92	96	439802	47.55	ug/l	96
29) Bromochloromethane	7.29	49	339625	47.67	ug/l	97
30) Tetrahydrofuran	7.31	42	747790	224.63	ug/l	92
31) Chloroform	7.46	83	791119	47.70	ug/l	98
32) Cyclohexane	7.77	56	787925	48.19	ug/l	92
33) 1,1,1-Trichloroethane	7.67	97	689989	46.66	ug/l	97
37) 1,1-Dichloropropene	7.89	75	601825	46.69	ug/l	98
38) Ethyl Acetate	7.02	43	527988	48.14	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	566114	46.72	ug/l	98
40) Methylcyclohexane	9.19	83	722973	46.06	ug/l	97
41) Benzene	8.14	78	1739655	46.26	ug/l	100
42) Methacrylonitrile	7.24	41	298316	47.88	ug/l #	91
43) 1,2-Dichloroethane	8.22	62	698944	46.13	ug/l	95
44) Isopropyl Acetate	8.25	43	969306	47.06	ug/l	98
45) Trichloroethene	8.93	130	350706	46.43	ug/l	91
46) 1,2-Dichloropropane	9.22	63	496795	45.91	ug/l	100
47) Dibromomethane	9.31	93	286280	45.06	ug/l	95
48) Bromodichloromethane	9.49	83	623214	46.55	ug/l	98
49) Methyl methacrylate	9.29	41	478689	46.65	ug/l #	88
50) 1,4-Dioxane	9.30	88	107281	891.34	ug/l	97
52) 4-Methyl-2-Pentanone	10.07	43	2491207	228.75	ug/l	99
53) Toluene	10.26	92	1017390	46.18	ug/l	98
54) t-1,3-Dichloropropene	10.47	75	694215	46.17	ug/l	98
55) cis-1,3-Dichloropropene	9.93	75	743458	45.45	ug/l	92
56) 1,1,2-Trichloroethane	10.66	97	386108	46.64	ug/l	97
57) Ethyl methacrylate	10.52	69	653360	46.83	ug/l #	90
58) 1,3-Dichloropropane	10.81	76	717112	46.66	ug/l	99
59) 2-Chloroethyl Vinyl ether	9.78	63	1606763	250.82	ug/l	98
60) 2-Hexanone	10.84	43	1696428	228.79	ug/l	99
61) Dibromochloromethane	11.00	129	393491	46.54	ug/l	98
62) 1,2-Dibromoethane	11.11	107	377848	46.44	ug/l	100
65) Tetrachloroethene	10.74	164	275910	45.86	ug/l	95
66) Chlorobenzene	11.54	112	1015024	45.70	ug/l	99
67) 1,1,1,2-Tetrachloroethane	11.62	131	351820	46.44	ug/l	98
68) Ethyl Benzene	11.62	91	1923482	45.67	ug/l	100
69) m/p-Xylenes	11.73	106	1338314	92.10	ug/l	90
70) o-Xylene	12.06	106	675623	46.38	ug/l	92
71) Styrene	12.07	104	1115756	47.45	ug/l	95
72) Bromoform	12.24	173	245168	46.53	ug/l #	98
74) Isopropylbenzene	12.36	105	1806118	44.38	ug/l	99
75) N-amyl acetate	12.17	43	827223	45.54	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	518287	49.28	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	449435m	40.26	ug/l	
78) Bromobenzene	12.64	156	353023	44.23	ug/l	92
79) n-propylbenzene	12.71	91	2154044	44.98	ug/l	98
80) 2-Chlorotoluene	12.79	91	1282912	44.62	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	1469385	44.94	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	188767	41.54	ug/l	92
83) 4-Chlorotoluene	12.89	91	1302174	46.09	ug/l	95
84) tert-Butylbenzene	13.11	119	1170280	43.38	ug/l	89
85) 1,2,4-Trimethylbenzene	13.16	105	1459920	44.45	ug/l	96
86) sec-Butylbenzene	13.29	105	1775996	44.94	ug/l	99
87) p-Isopropyltoluene	13.41	119	1356172	44.55	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	620221	45.41	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	615568	44.50	ug/l	95
90) n-Butylbenzene	13.74	91	1369290	46.35	ug/l	99
91) Hexachloroethane	14.01	117	297427	44.65	ug/l	90
92) 1,2-Dichlorobenzene	13.78	146	618067	45.79	ug/l	96

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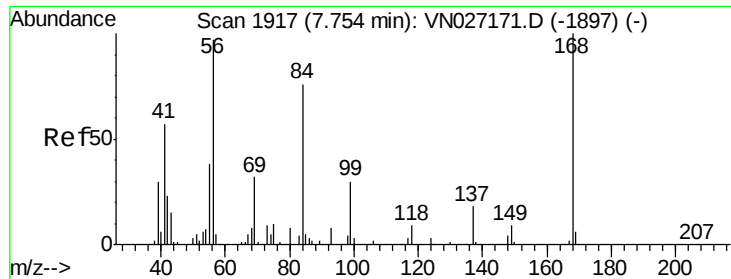
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	110272	47.37	ug/l	86
94) 1,2,4-Trichlorobenzene	15.05	180	343507	47.11	ug/l	98
95) Hexachlorobutadiene	15.16	225	174877	45.54	ug/l	99
96) Naphthalene	15.29	128	1021387	47.78	ug/l	100
97) 1,2,3-Trichlorobenzene	15.47	180	340532	46.98	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

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Acq: 15 Sep 2015 21:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 580651

Ion Ratio Lower Upper

168 100

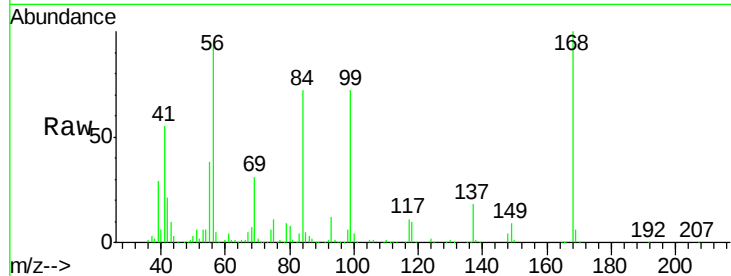
99 71.3 50.4 75.6

Manual Integrations

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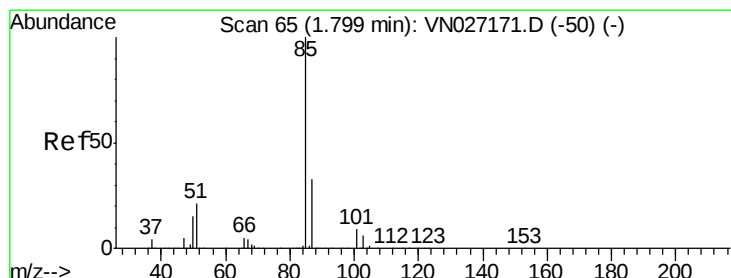
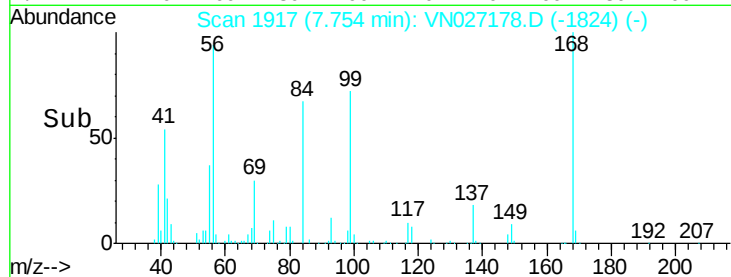
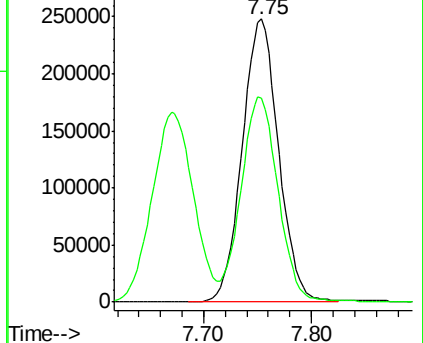
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.91 ug/l

RT: 1.80 min Scan# 64

Delta R.T. -0.00 min

Lab File: VN027178.D

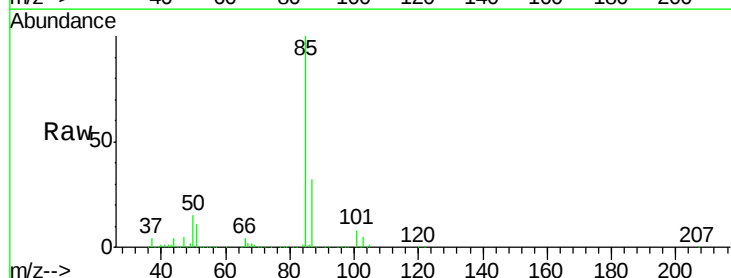
Acq: 15 Sep 2015 21:57

Tgt Ion: 85 Resp: 325907

Ion Ratio Lower Upper

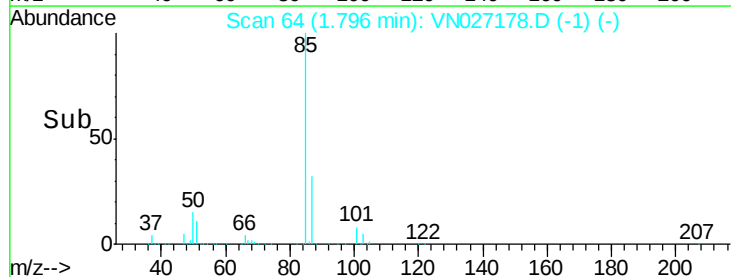
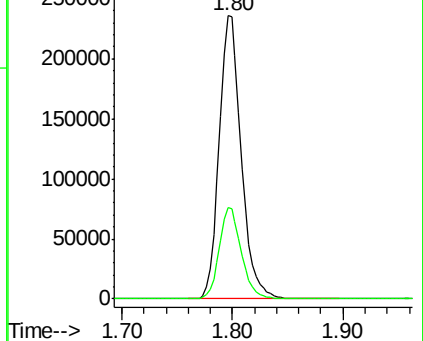
85 100

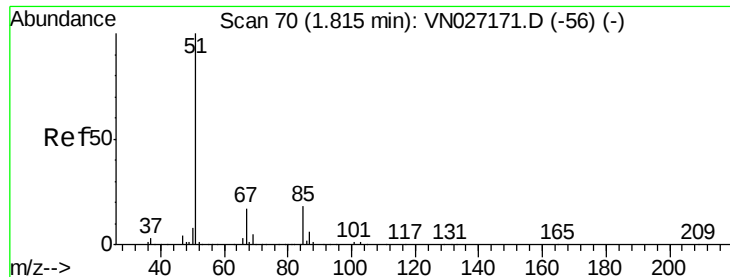
87 32.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chlorodifluoromethane

Concen: 49.85 ug/l

RT: 1.82 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027178.D

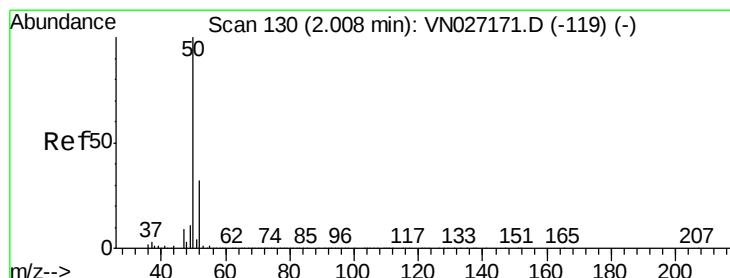
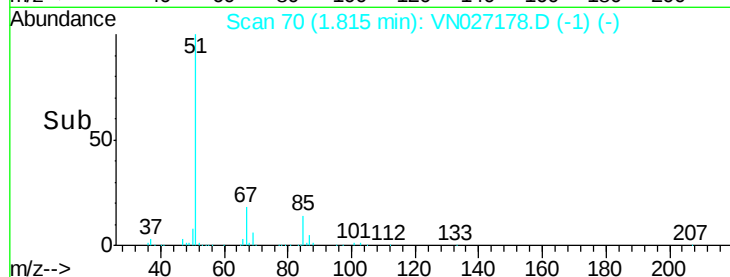
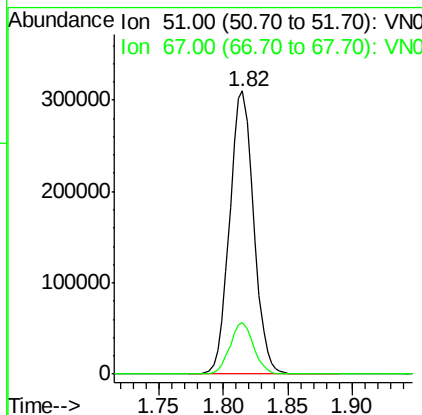
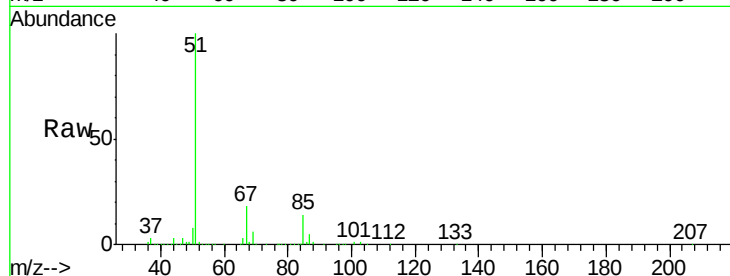
Acq: 15 Sep 2015 21:57

Tot Ion:	51	Resp:	400800
Ion Ratio		Lower	Upper
51	100		
67	17.8	12.2	18.2

Instrument :
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#4

Chloromethane

Concen: 47.41 ug/l

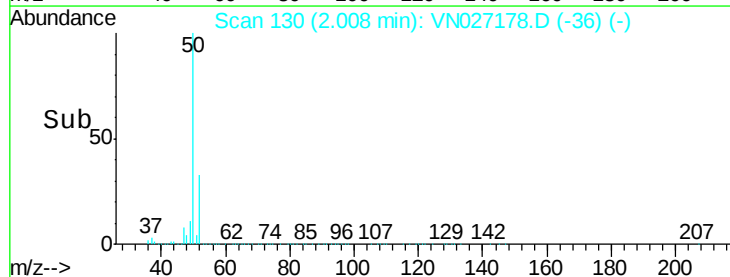
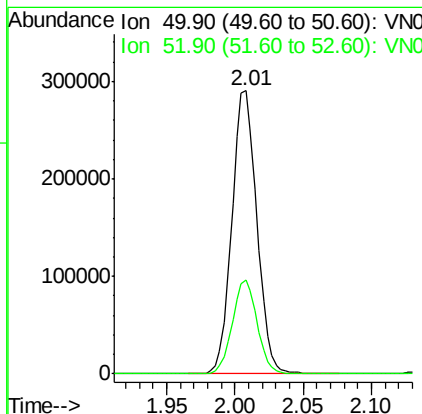
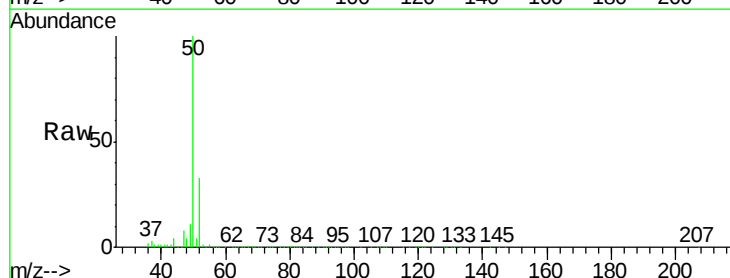
RT: 2.01 min Scan# 130

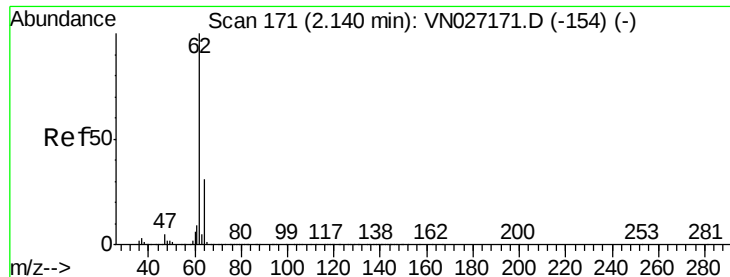
Delta R.T. 0.00 min

Lab File: VN027178.D

Acq: 15 Sep 2015 21:57

Tgt Ion:	50	Resp:	368441
Ion Ratio		Lower	Upper
50	100		
52	33.2	25.9	38.9





#5

Vinyl Chloride

Concen: 47.04 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027178.D

Acq: 15 Sep 2015 21:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 62 Resp: 385957

Ion Ratio Lower Upper

62 100

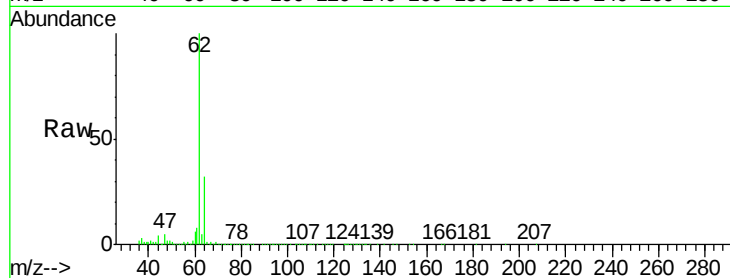
64 31.9 25.9 38.9

Manual Integrations

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Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.14

300000

250000

200000

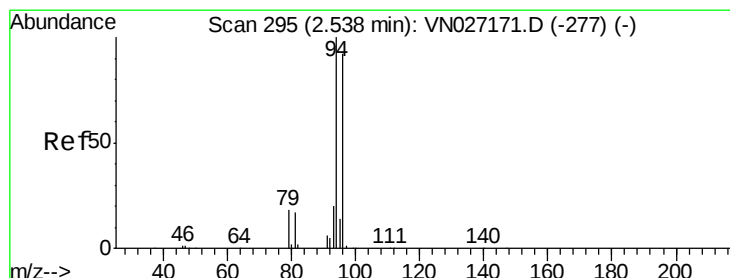
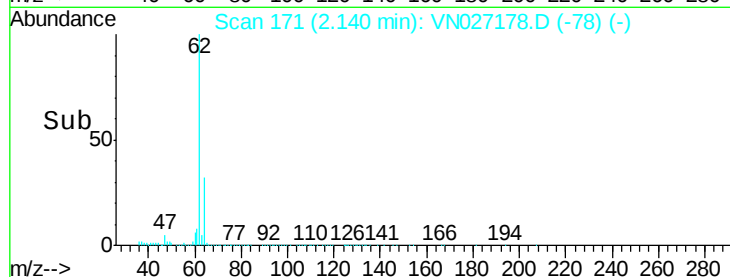
150000

100000

50000

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Time-->



#6

Bromomethane

Concen: 45.97 ug/l

RT: 2.54 min Scan# 295

Delta R.T. 0.00 min

Lab File: VN027178.D

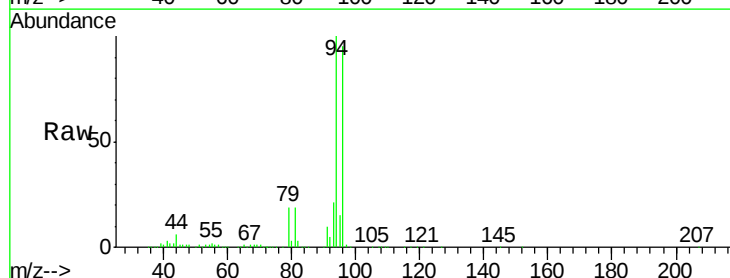
Acq: 15 Sep 2015 21:57

Tgt Ion: 94 Resp: 184619

Ion Ratio Lower Upper

94 100

96 94.5 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.54

100000

80000

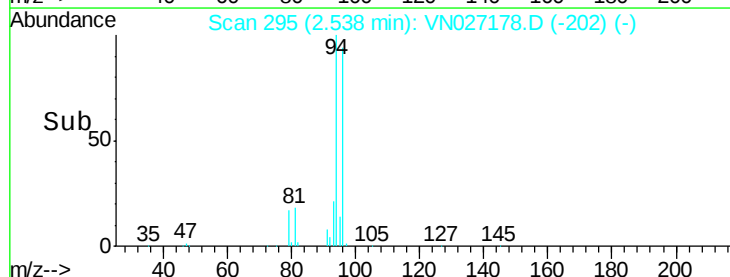
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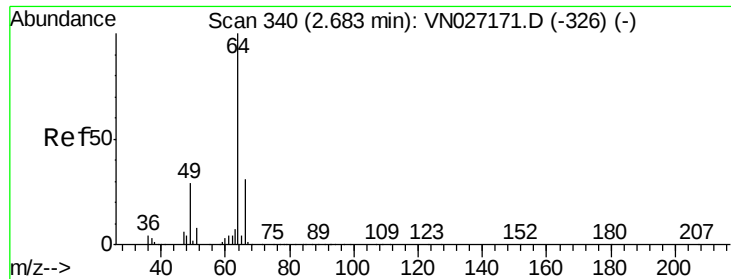
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Time-->





#7

Chloroethane

Concen: 46.30 ug/l

RT: 2.69 min Scan# 341

Delta R.T. 0.00 min

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Tot Ion: 64 Resp: 258268

Ion Ratio Lower Upper

64 100

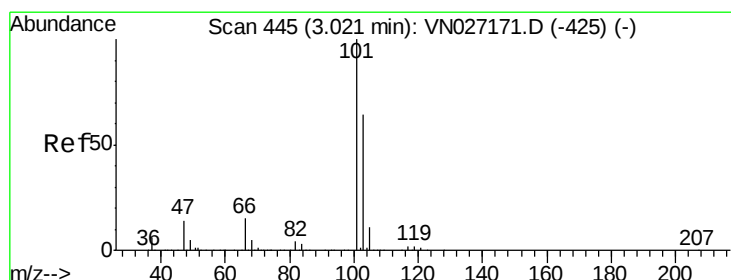
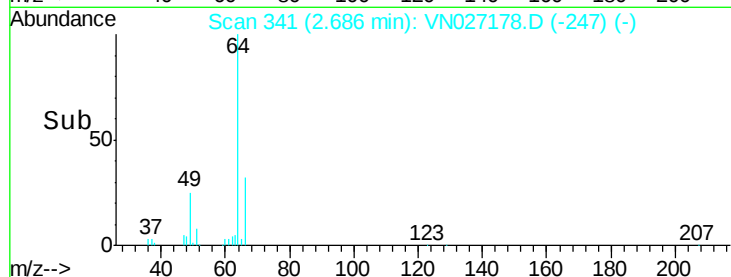
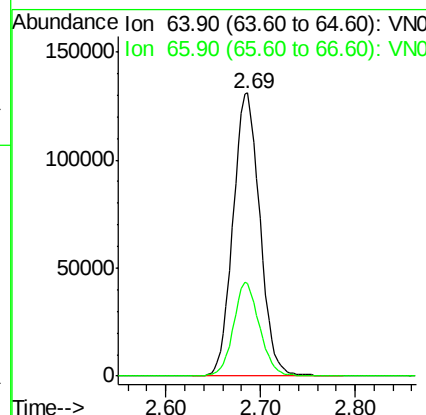
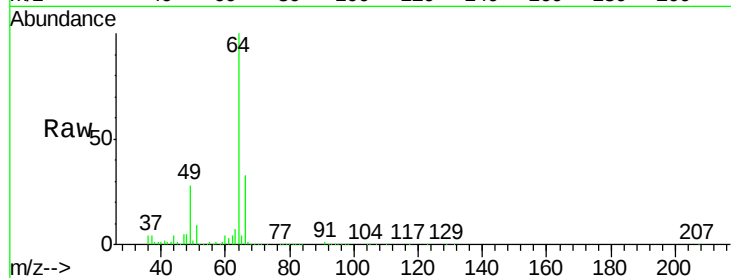
66 32.6 25.5 38.3

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9/16/2015 11:47:33 AM



#8

Trichlorofluoromethane

Concen: 46.82 ug/l

RT: 3.02 min Scan# 445

Delta R.T. 0.00 min

Lab File: VN027178.D

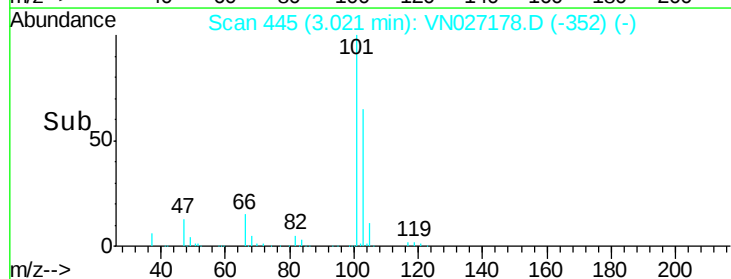
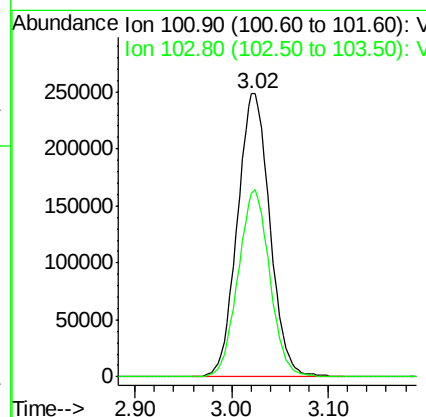
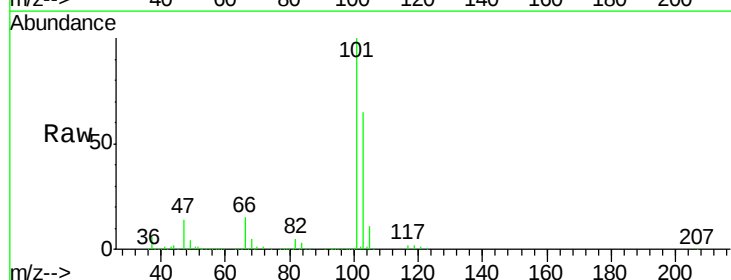
Acq: 15 Sep 2015 21:57

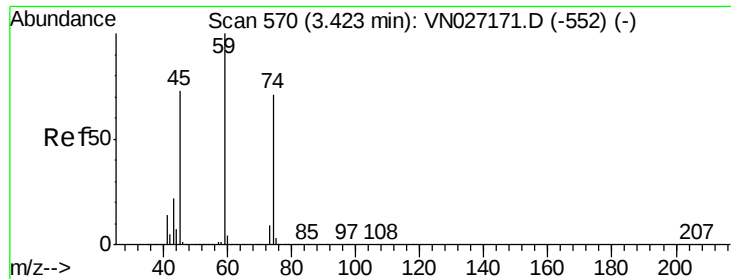
Tgt Ion: 101 Resp: 580315

Ion Ratio Lower Upper

101 100

103 65.0 52.6 79.0





#9

Diethyl Ether

Concen: 46.35 ug/l

RT: 3.42 min Scan# 570

Delta R.T. 0.00 min

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Instrument :

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Tot Ion: 74 Resp: 264342

Ion Ratio Lower Upper

74 100

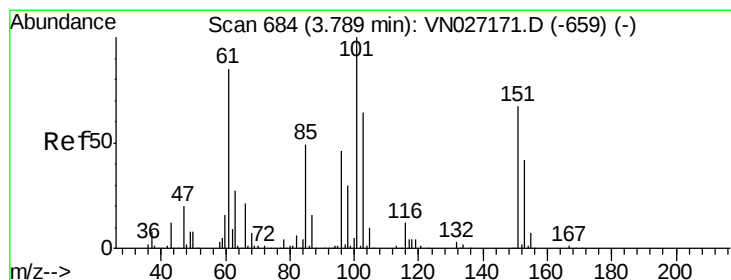
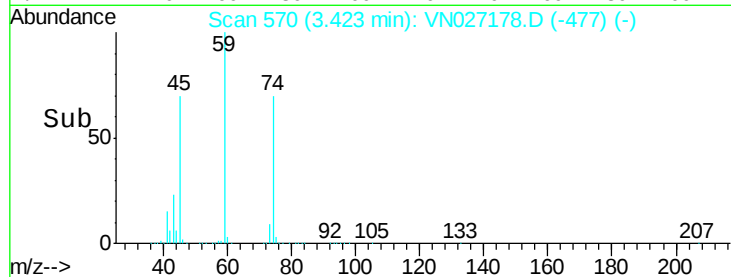
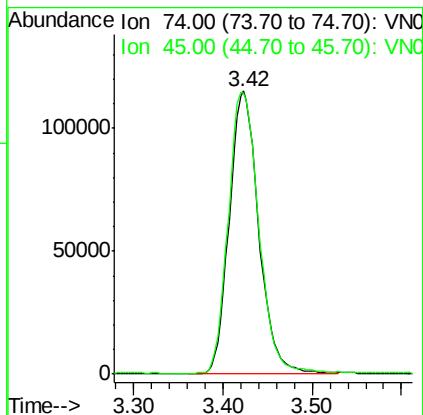
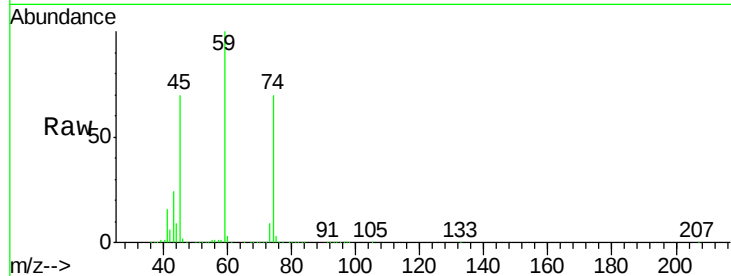
45 102.6 58.1 174.3

Manual Integrations

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#10

1,1,2-Trichlorotrifluoroethane

Concen: 45.70 ug/l

RT: 3.79 min Scan# 683

Delta R.T. -0.00 min

Lab File: VN027178.D

Acq: 15 Sep 2015 21:57

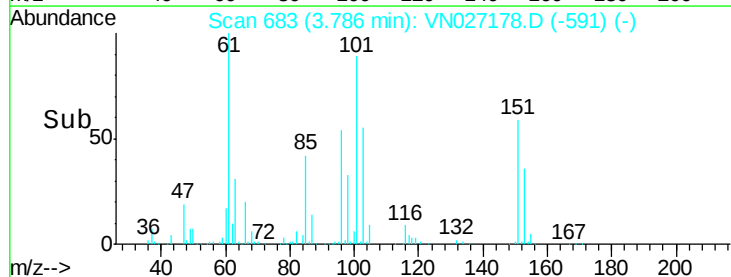
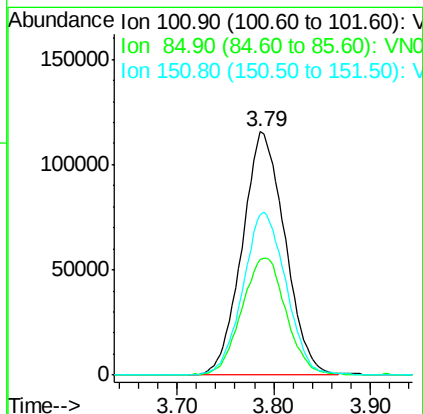
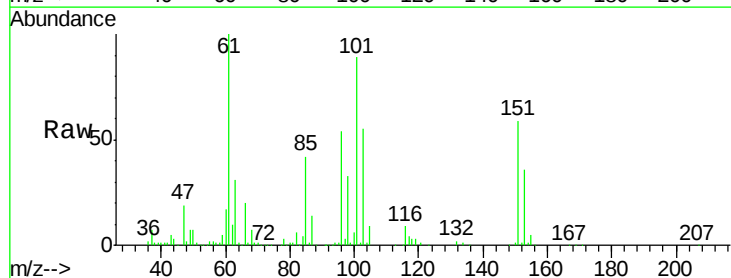
Tgt Ion: 101 Resp: 355758

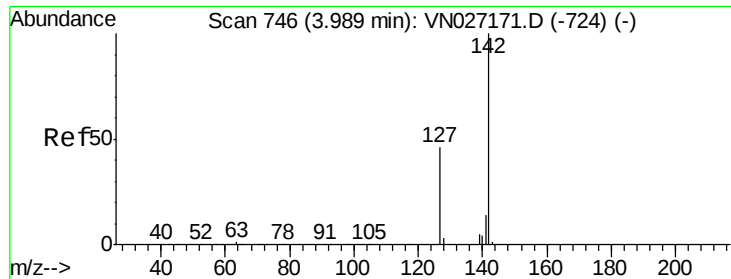
Ion Ratio Lower Upper

101 100

85 49.0 37.4 56.0

151 67.4 55.9 83.9





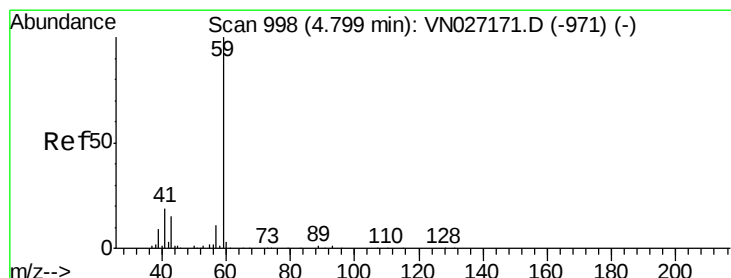
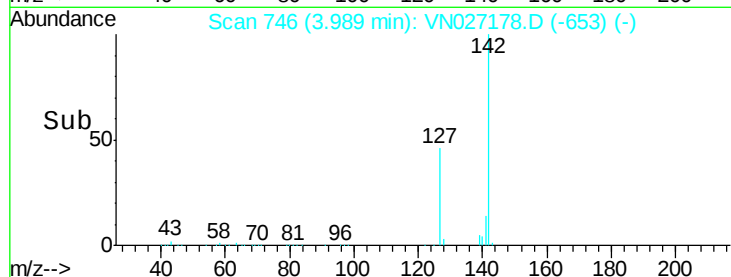
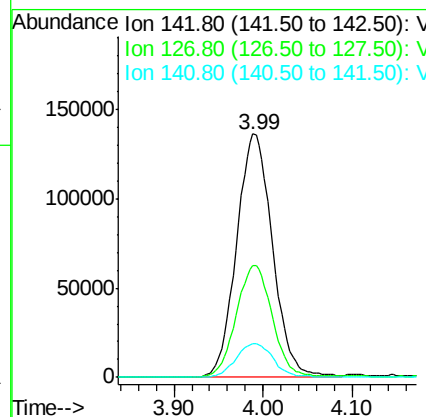
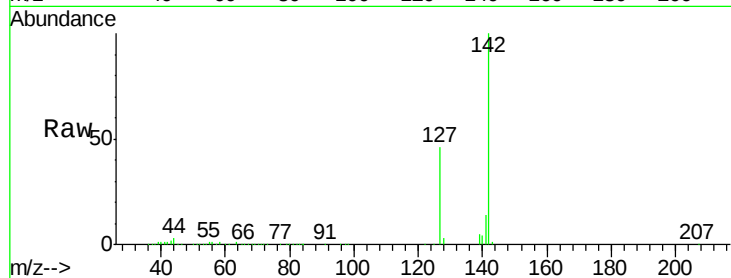
#11
Methvl Iodide
Concen: 50.47 ug/l
RT: 3.99 min Scan# 746
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.2	32.3	48.5
141	14.5	11.2	16.8

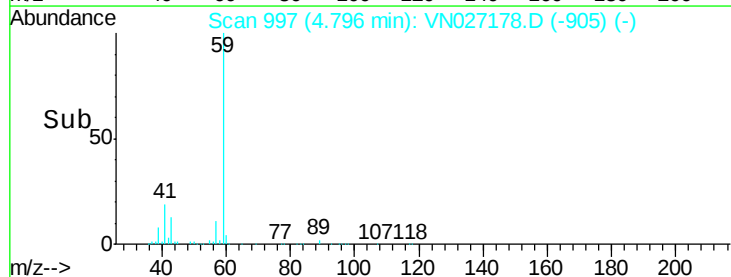
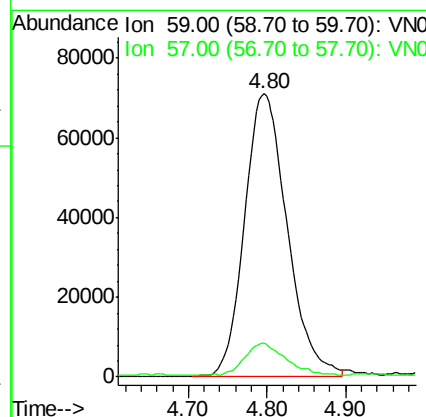
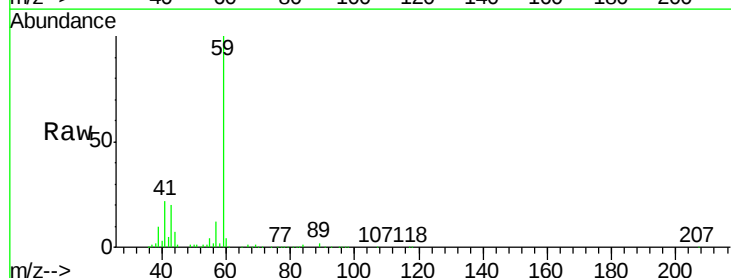
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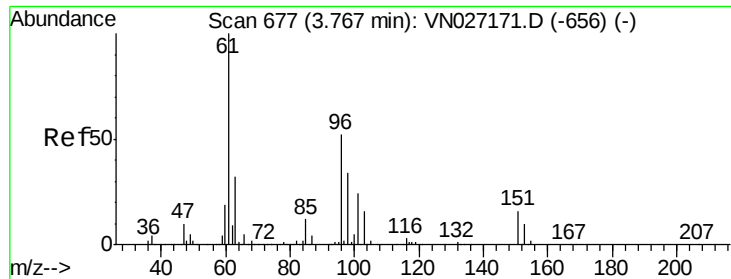
MMDadoda
9/16/2015 11:47:33 AM



#12
Tert butyl alcohol
Concen: 233.63 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.8	7.6	11.4





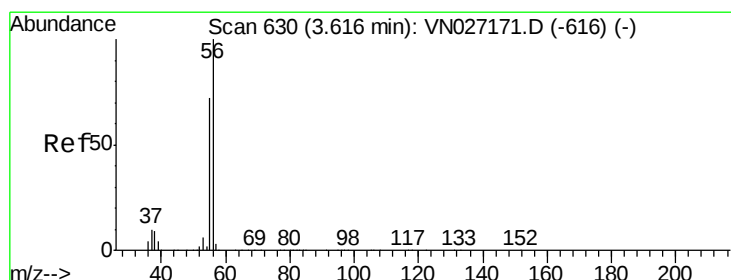
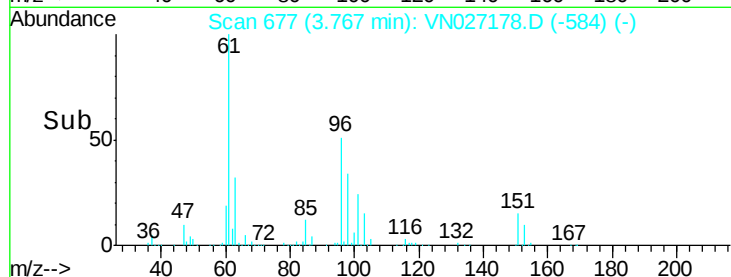
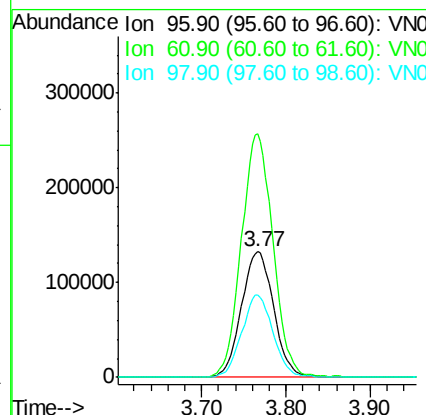
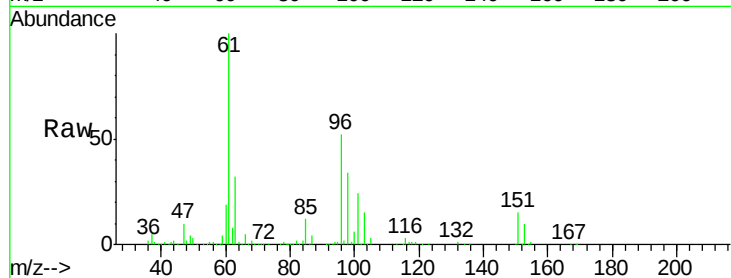
#13
 1,1-Dichloroethene
 Concen: 47.23 ug/l
 RT: 3.77 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VN027178.D
 Acq: 15 Sep 2015 21:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	194.1	143.8	215.8
98	65.1	50.3	75.5

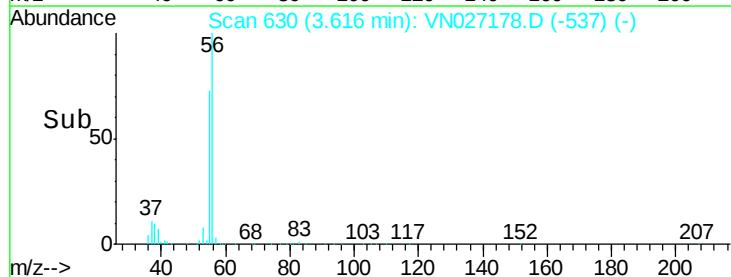
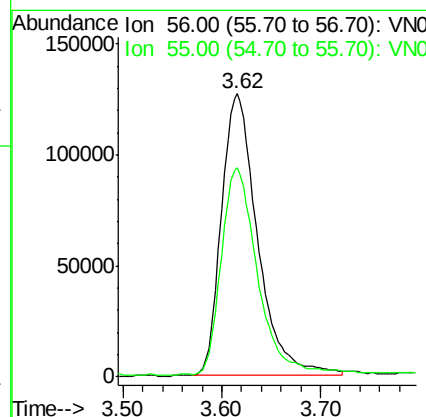
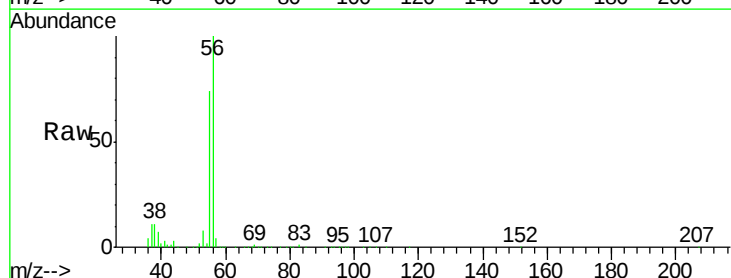
Manual Integrations
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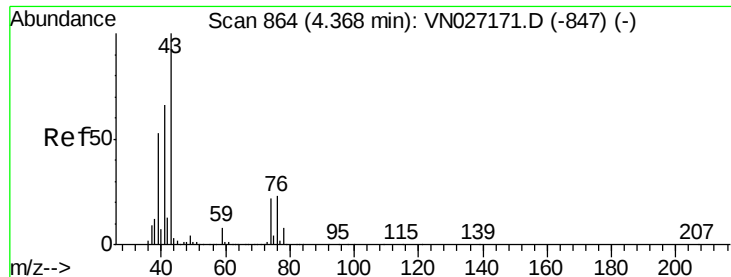
MMDadoda
 9/16/2015 11:47:33 AM



#14
 Acrolein
 Concen: 238.39 ug/l
 RT: 3.62 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VN027178.D
 Acq: 15 Sep 2015 21:57

Tgt Ion	Ratio	Lower	Upper
56	100		
55	74.0	55.7	83.5





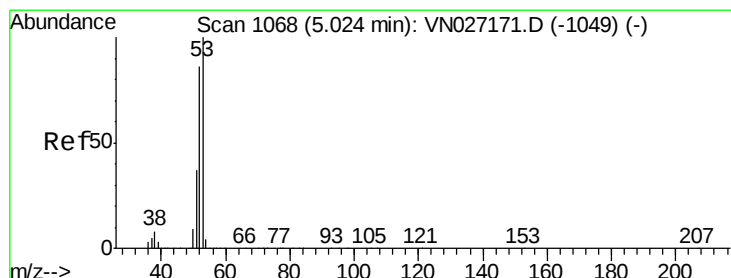
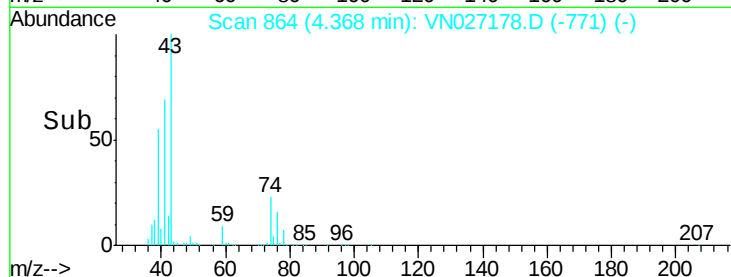
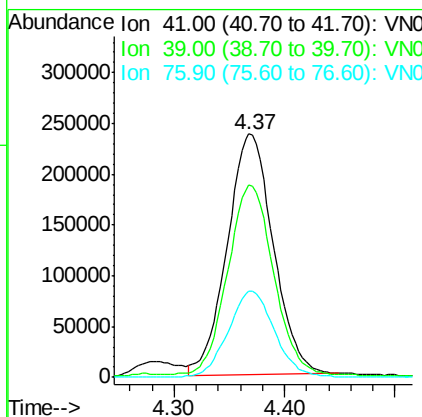
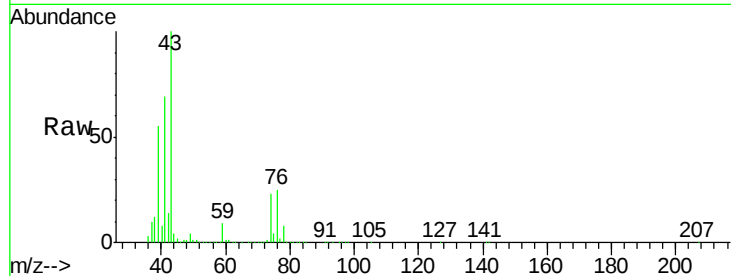
#15
Allvl chloride
Concen: 45.51 ug/l
RT: 4.37 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	79.9	49.7	74.5#
76	35.4	24.8	37.2

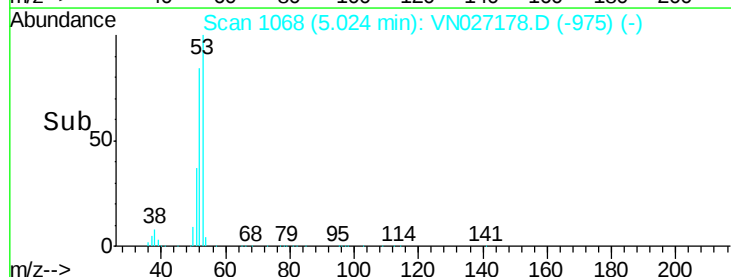
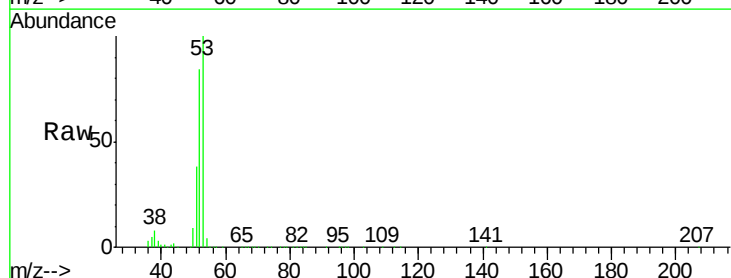
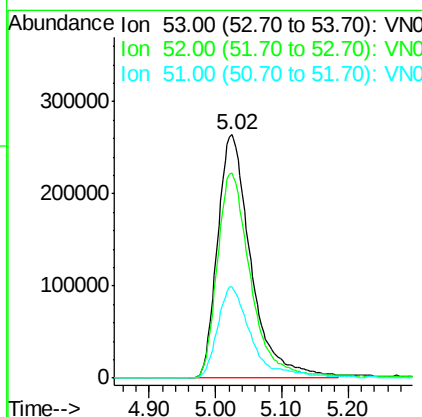
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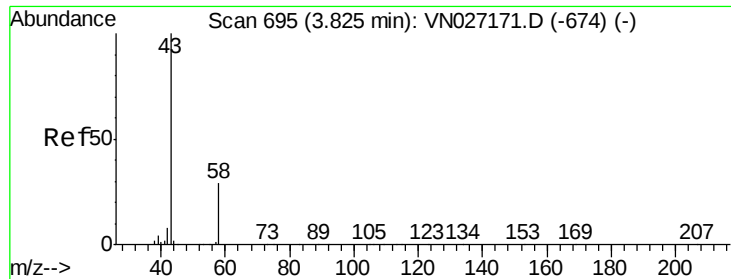
MMDadoda
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#16
Acrylonitrile
Concen: 242.45 ug/l
RT: 5.02 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.9	100.3
51	38.2	27.4	41.0





#17

Acetone

Concen: 231.27 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN027178.D

Acq: 15 Sep 2015 21:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 741848

Ion Ratio Lower Upper

43 100

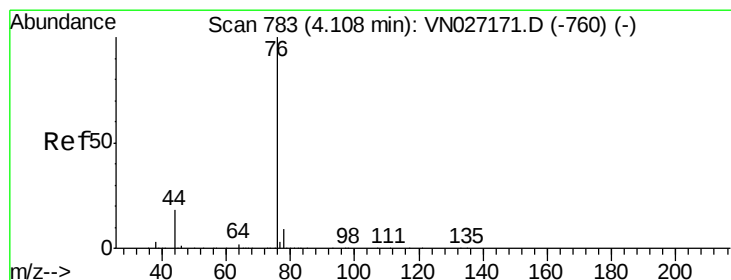
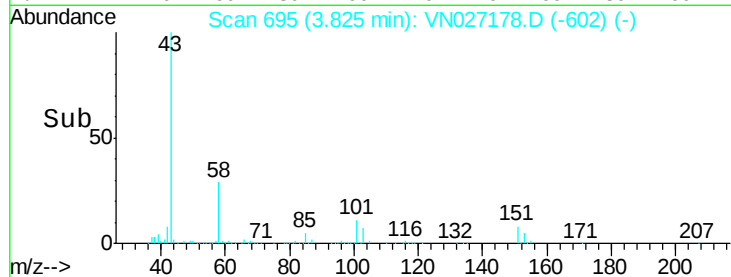
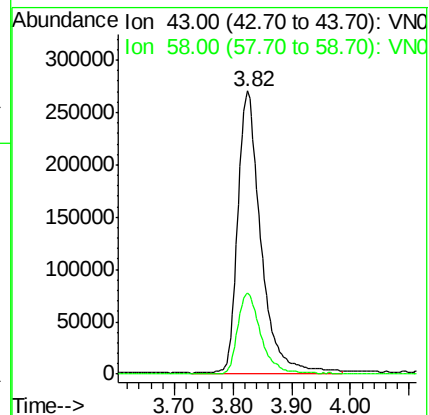
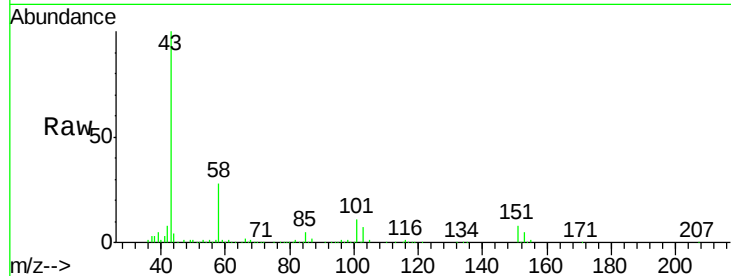
58 28.5 25.4 38.0

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#18

Carbon Disulfide

Concen: 45.32 ug/l

RT: 4.11 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN027178.D

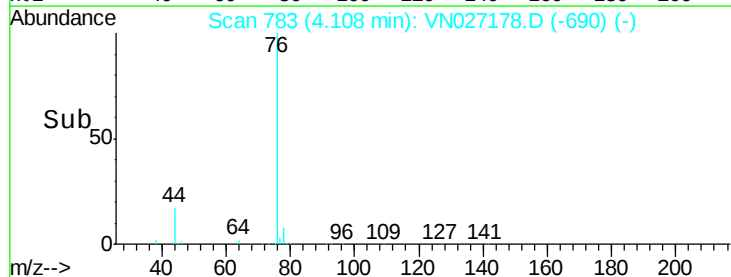
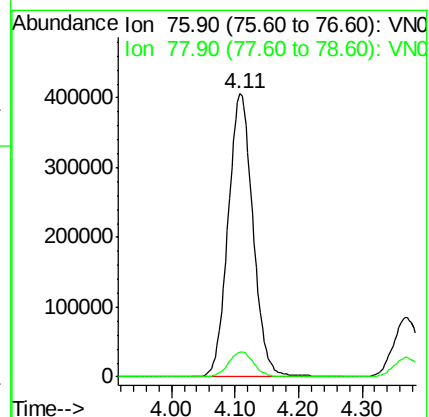
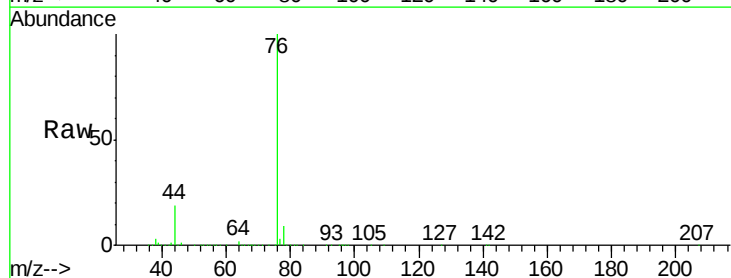
Acq: 15 Sep 2015 21:57

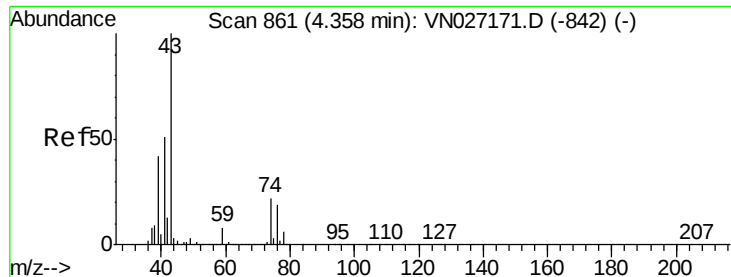
Tgt Ion: 76 Resp: 1100296

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7





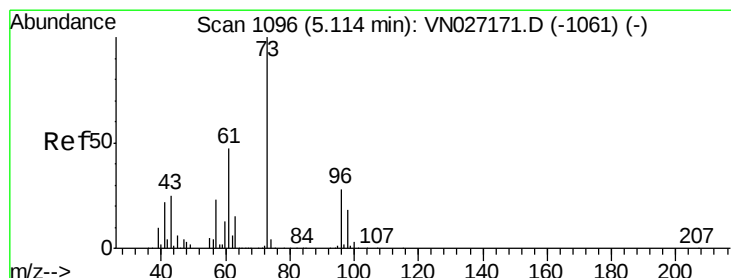
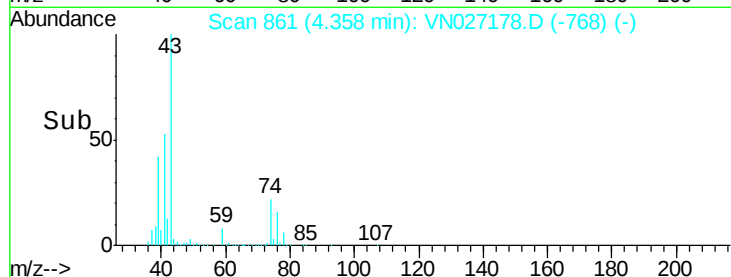
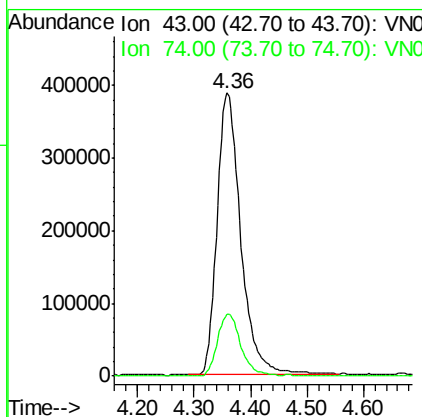
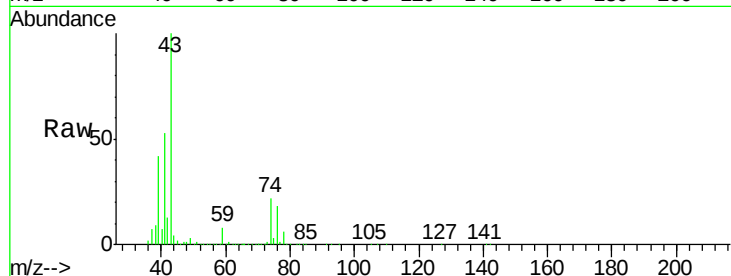
#19
Methvl Acetate
Concen: 48.94 ug/l
RT: 4.36 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1137115
Ion Ratio Lower Upper
43 100
74 21.7 16.2 24.2

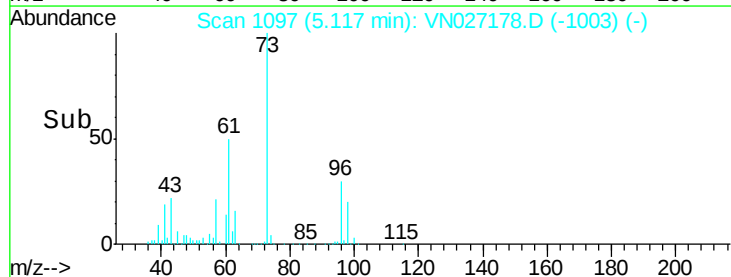
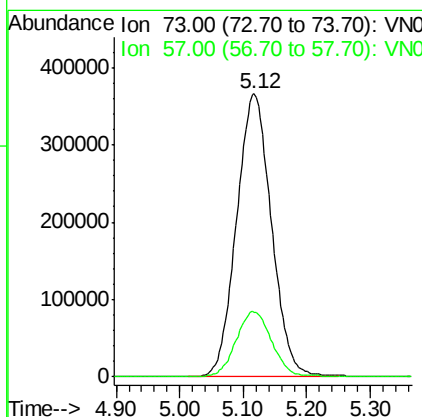
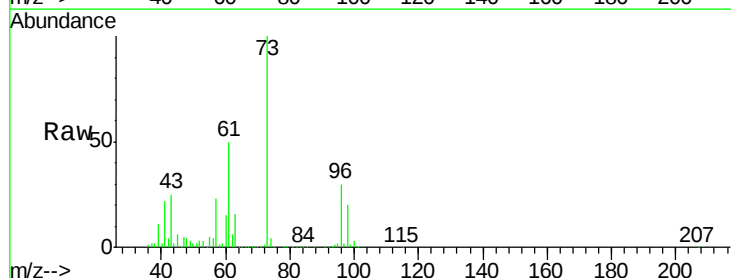
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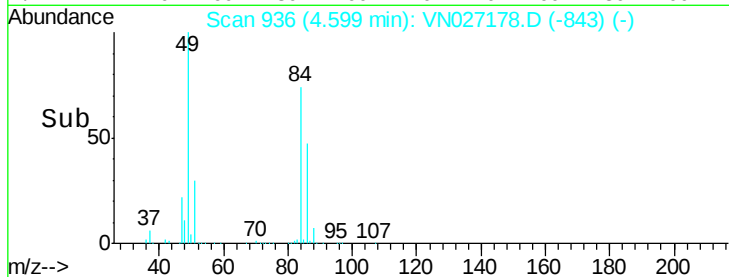
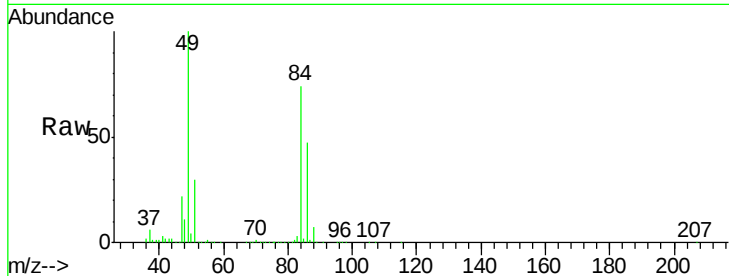
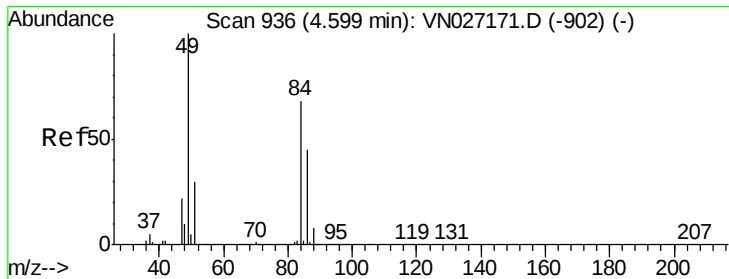
MMDadoda
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#20
Methyl tert-butyl Ether
Concen: 46.63 ug/l
RT: 5.12 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

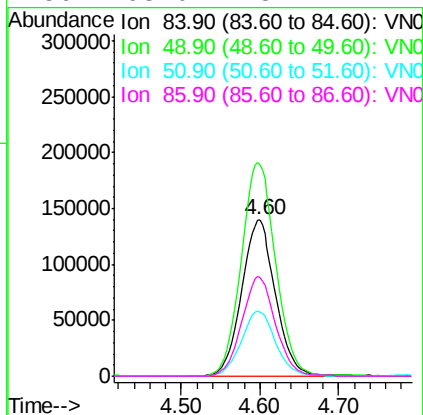
Tgt Ion: 73 Resp: 1395561
Ion Ratio Lower Upper
73 100
57 22.8 19.8 29.6





#21
Methvlene Chloride
Concen: 47.05 ug/l
RT: 4.60 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

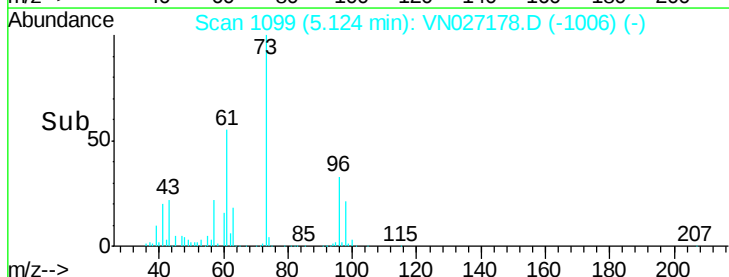
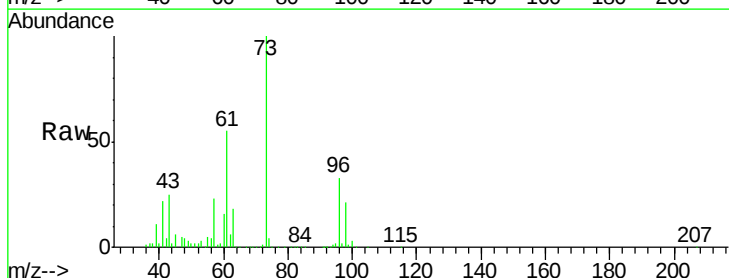
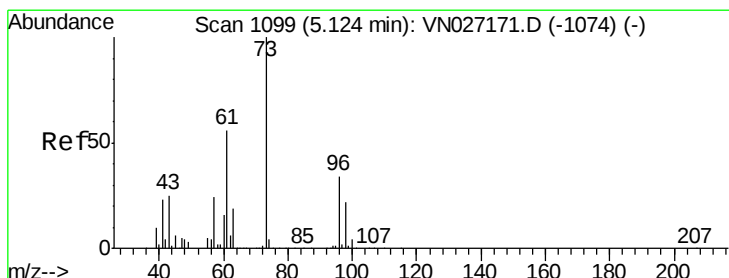
Tot Ion	Ion	Ratio	Resp	Lower	Upper
84	100				
49	135.4	112.3	168.5		
51	40.9	33.8	50.8		
86	63.0	48.2	72.4		



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

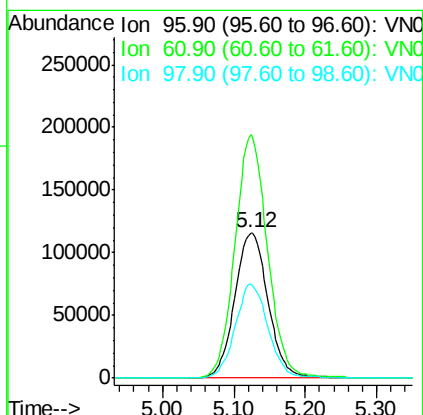
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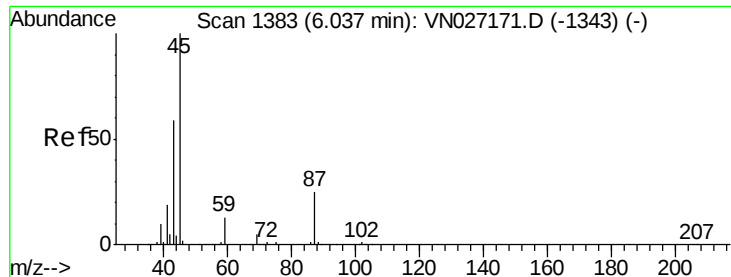
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 46.92 ug/l
RT: 5.12 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	167.1	126.6	189.8		
98	64.3	47.4	71.2		





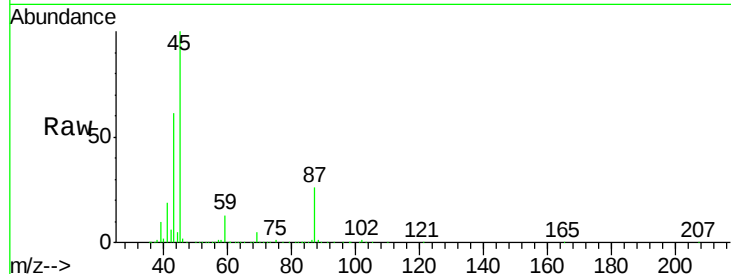
#23
Diisopropyl ether
Concen: 46.83 ug/l
RT: 6.04 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	59.9	41.0	61.6	
87	26.0	17.5	26.3	
59	12.2	8.7	13.1	

Manual Integrations
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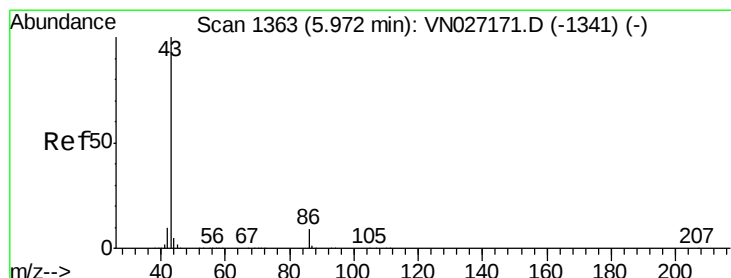
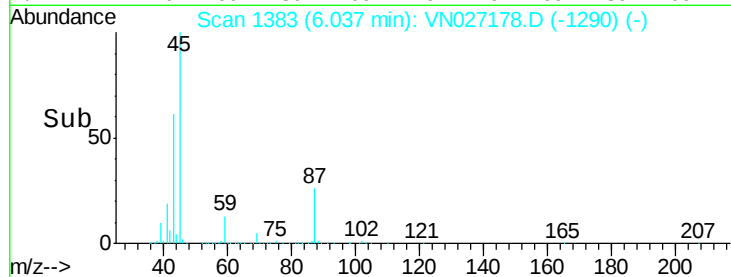
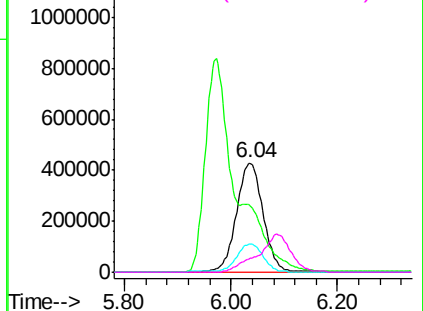
Abundance

Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

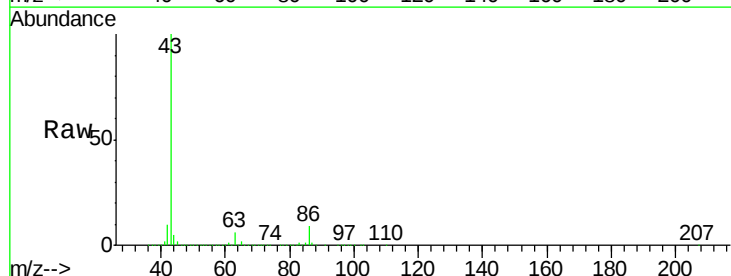
Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0



#24
Vinyl Acetate
Concen: 243.07 ug/l
RT: 5.97 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

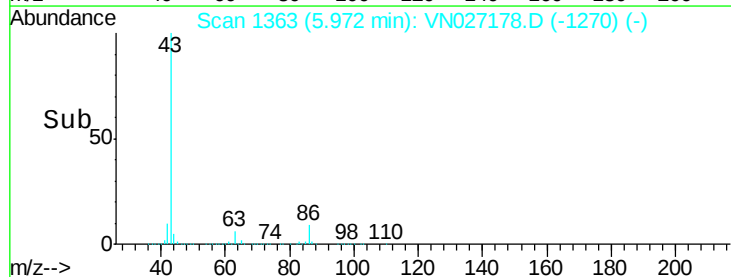
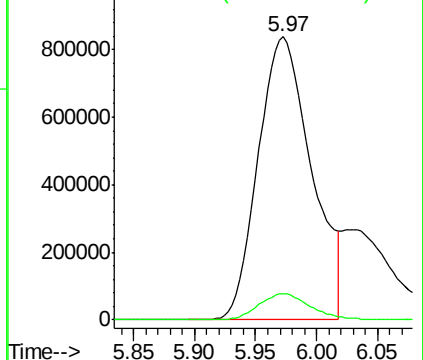
Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
86	9.2	6.9	10.3	

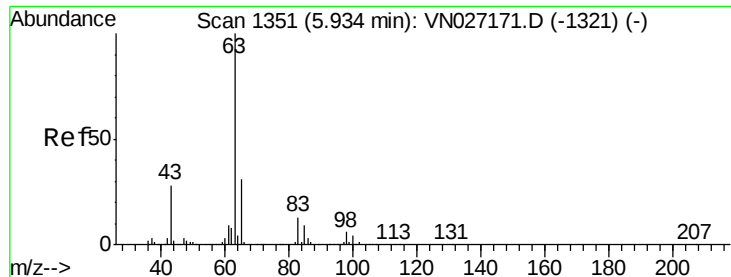


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





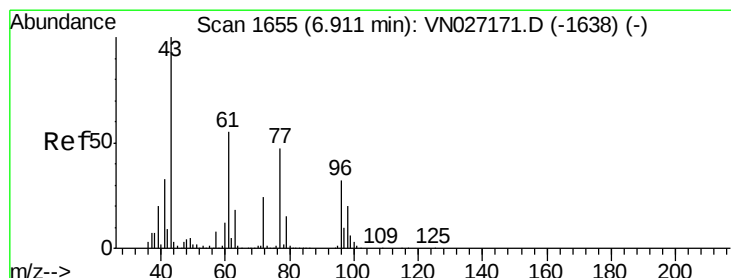
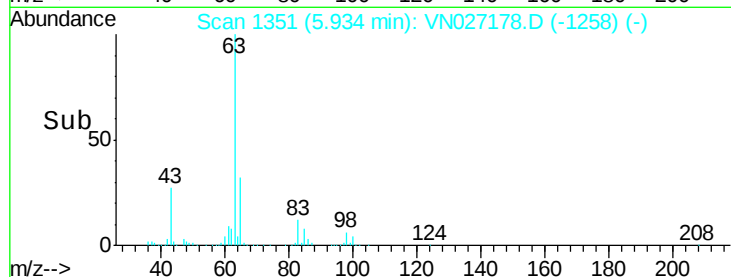
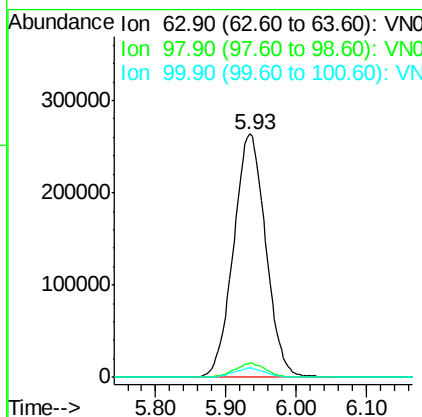
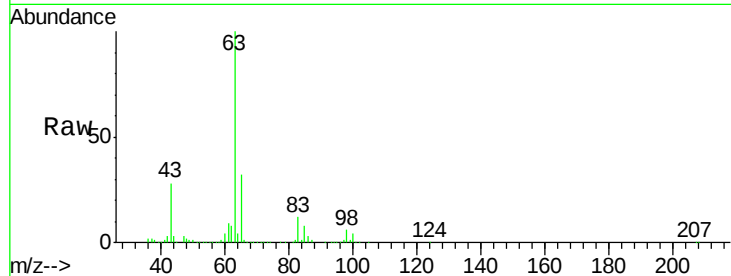
#25
 1,1-Dichloroethane
 Concen: 45.77 ug/l
 RT: 5.93 min Scan# 1351
 Delta R.T. 0.00 min
 Lab File: VN027178.D
 Acq: 15 Sep 2015 21:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100	840097		
98	5.7		2.8	8.3
100	3.7		1.7	5.0

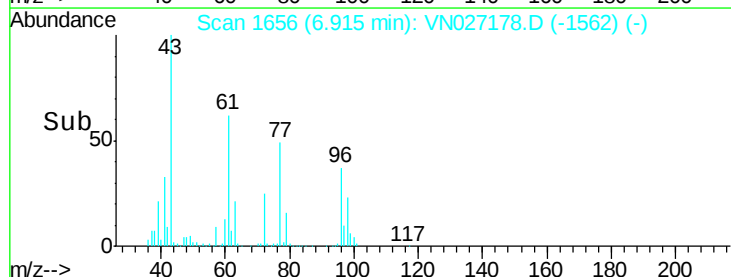
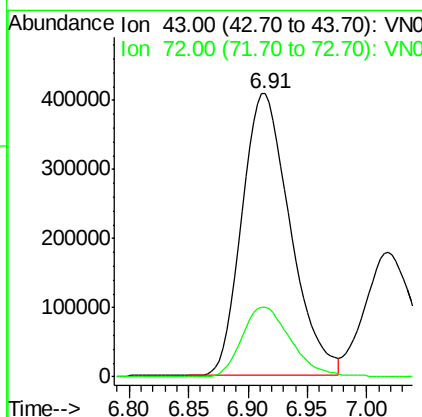
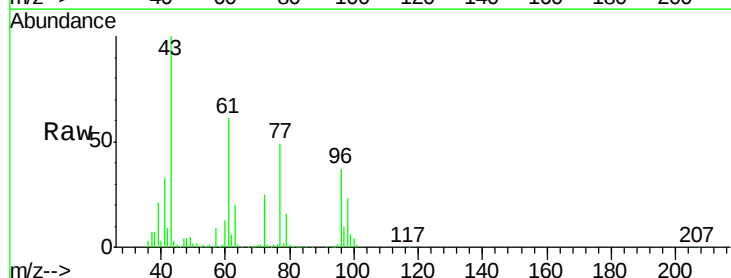
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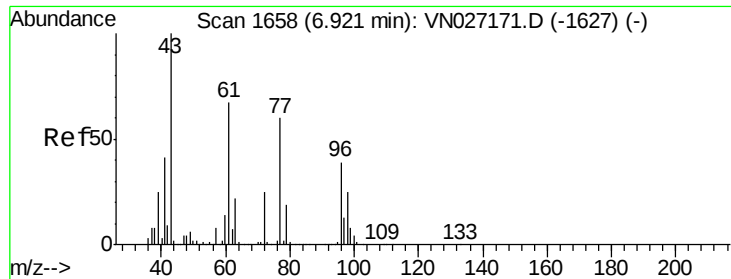
MMDadoda
 9/16/2015 11:47:33 AM



#26
 2-Butanone
 Concen: 238.19 ug/l
 RT: 6.91 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VN027178.D
 Acq: 15 Sep 2015 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	1150543		
72	24.8		18.8	28.2





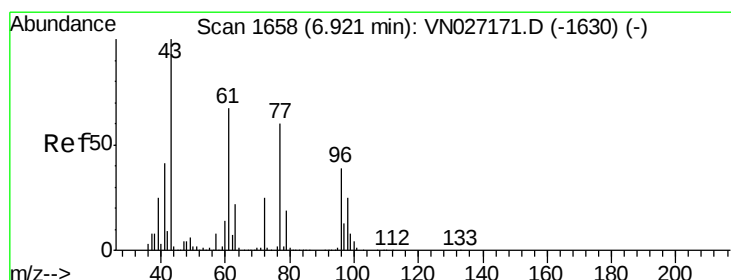
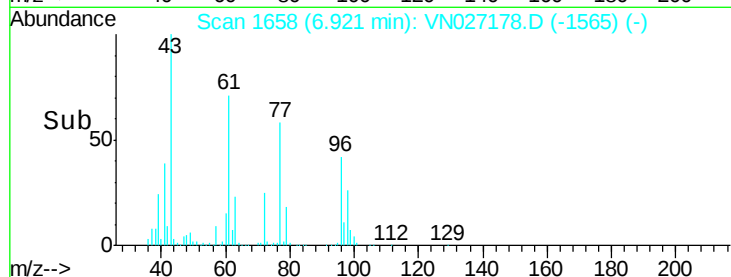
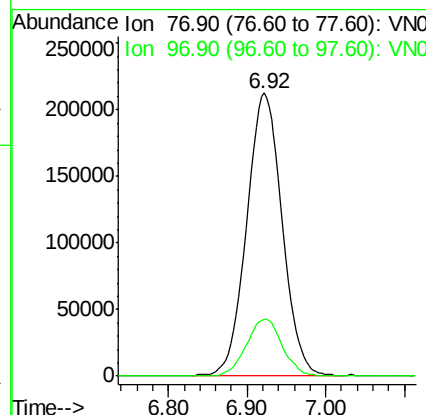
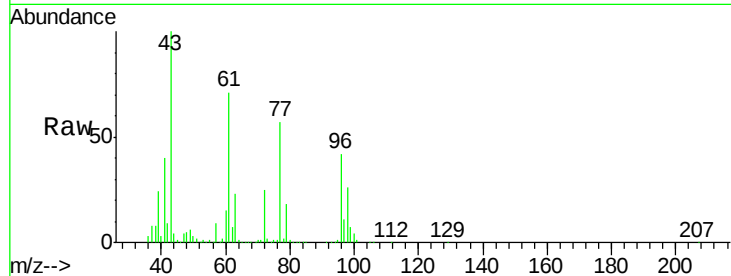
#27
 2,2-Dichloropropane
 Concen: 42.07 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027178.D
 Acq: 15 Sep 2015 21:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
77	100		
97	20.4	11.8	35.3

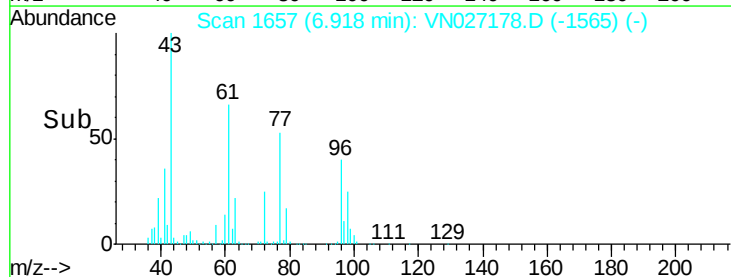
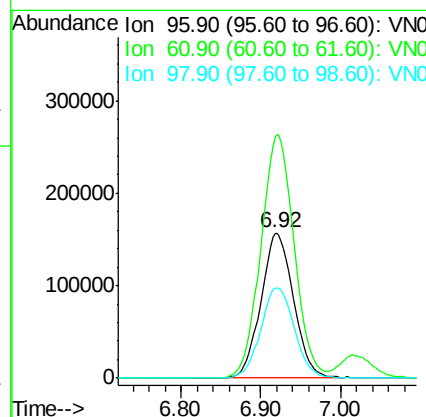
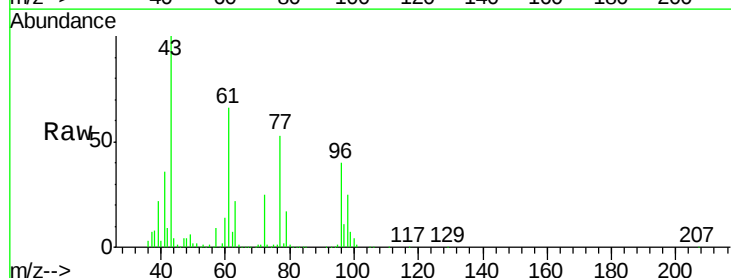
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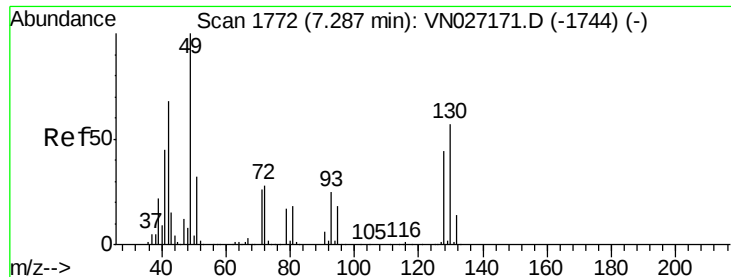
MMDadoda
 9/16/2015 11:47:33 AM



#28
 cis-1,2-Dichloroethene
 Concen: 47.55 ug/l
 RT: 6.92 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VN027178.D
 Acq: 15 Sep 2015 21:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.6	0.0	329.2
98	64.8	0.0	126.0





#29

Bromochloromethane

Concen: 47.67 ug/l

RT: 7.29 min Scan# 1772

Delta R.T. 0.00 min

Lab File: VN027178.D

Acq: 15 Sep 2015 21:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 49 Resp: 339625

Ion Ratio Lower Upper

49 100

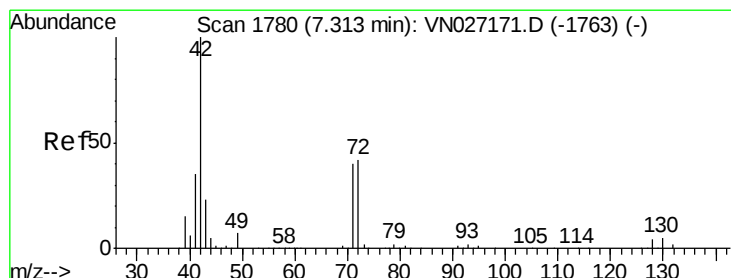
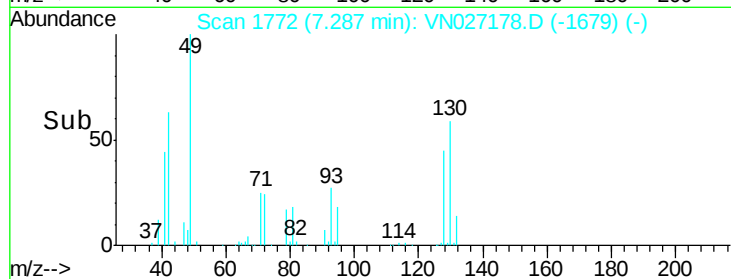
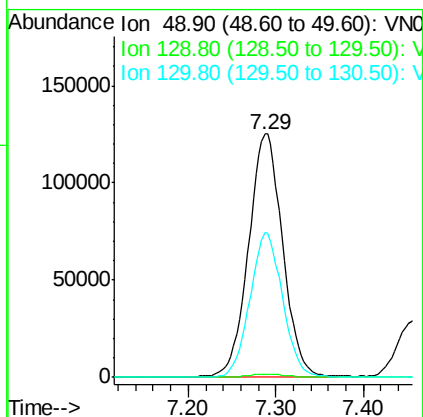
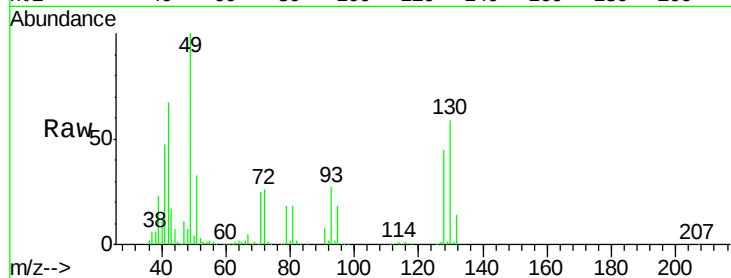
129 1.5 0.0 3.2

130 56.5 43.2 64.8

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#30

Tetrahydrofuran

Concen: 224.63 ug/l

RT: 7.31 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VN027178.D

Acq: 15 Sep 2015 21:57

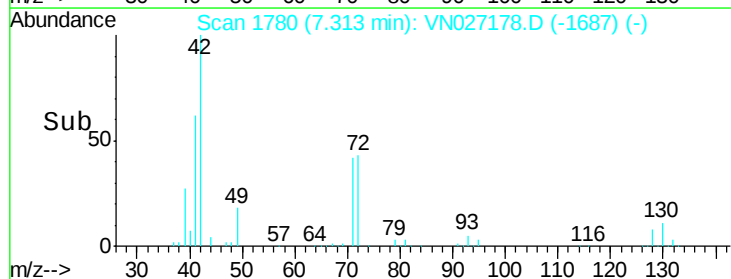
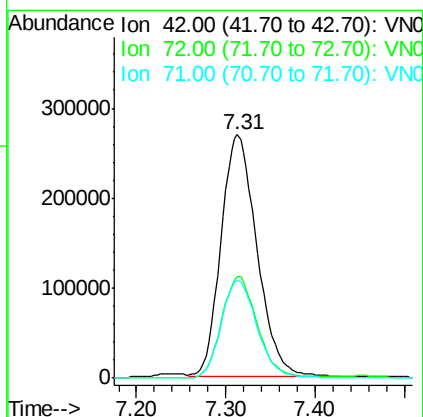
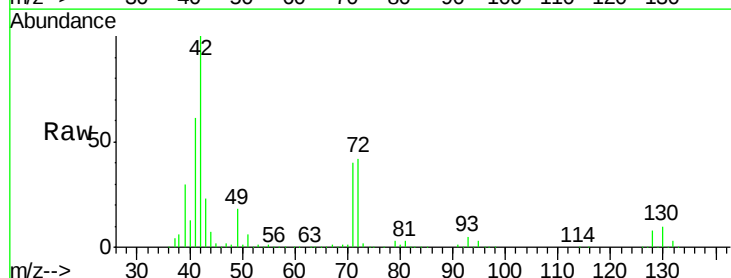
Tgt Ion: 42 Resp: 747790

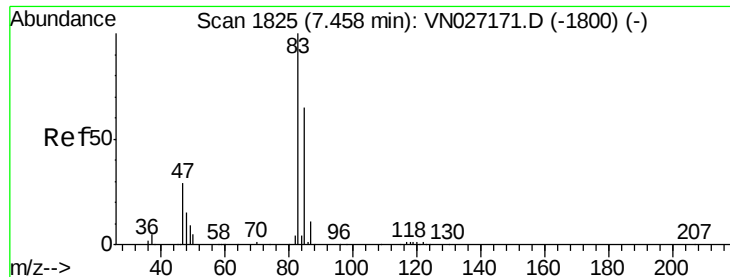
Ion Ratio Lower Upper

42 100

72 42.0 29.9 44.9

71 40.2 28.3 42.5





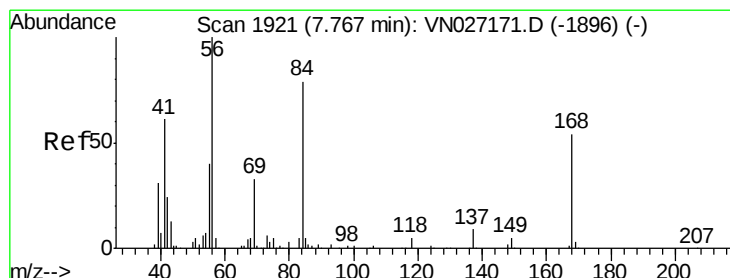
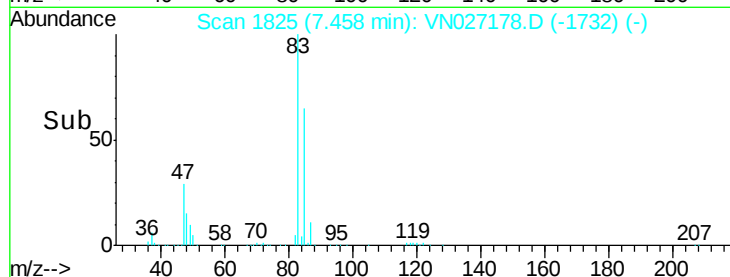
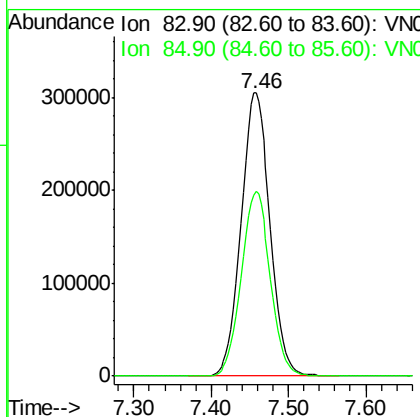
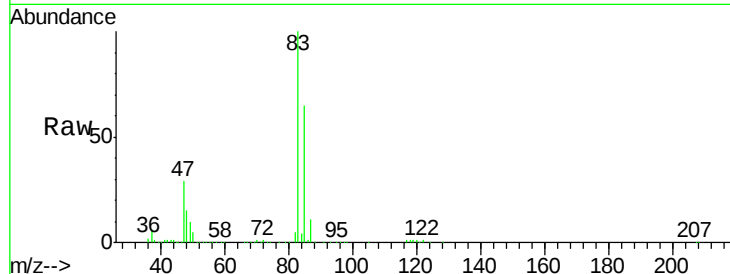
#31
Chloroform
Concen: 47.70 ug/l
RT: 7.46 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	791119
Ion Ratio	100	Lower	Upper
83	100		
85	65.5	51.1	76.7

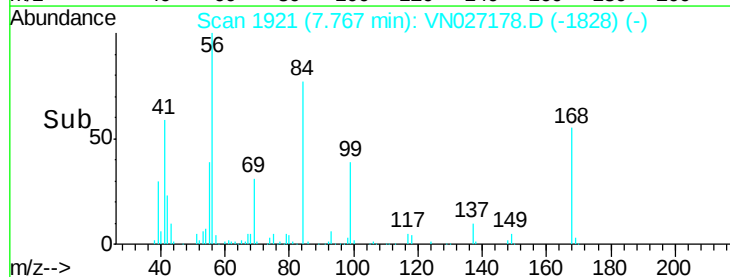
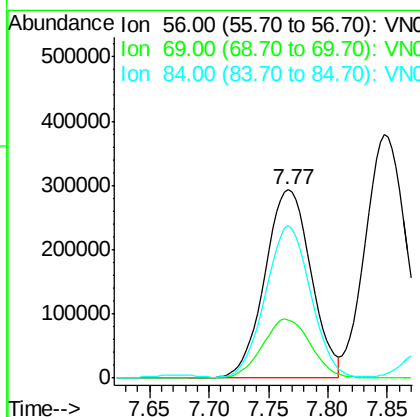
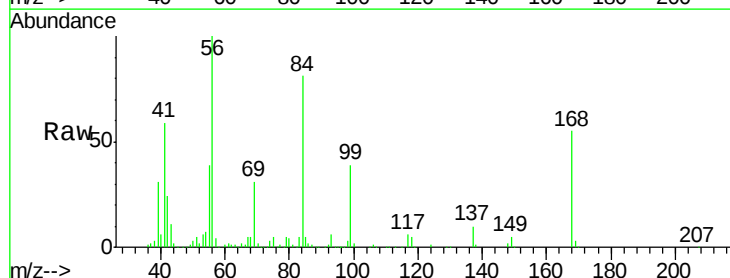
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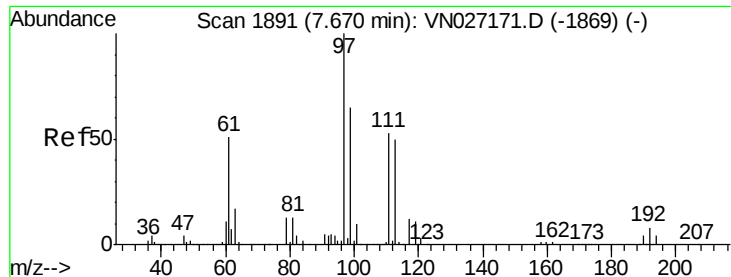
MMDadoda
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#32
Cyclohexane
Concen: 48.19 ug/l
RT: 7.77 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Tgt Ion	56	Resp	787925
Ion Ratio	100	Lower	Upper
56	100		
69	31.0	23.0	34.4
84	79.9	57.8	86.8





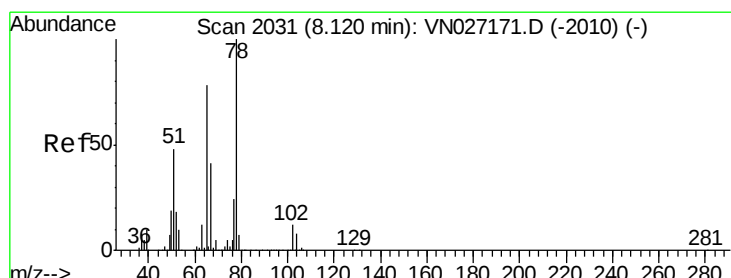
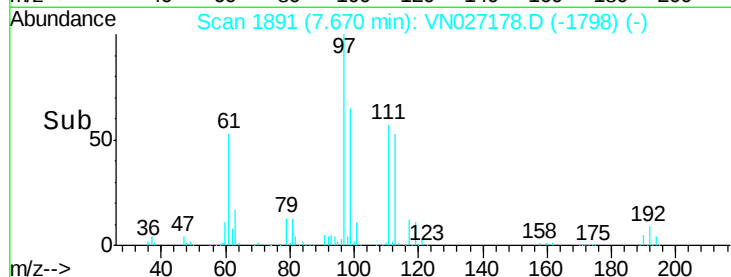
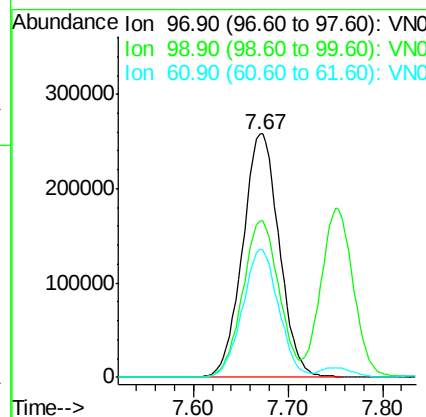
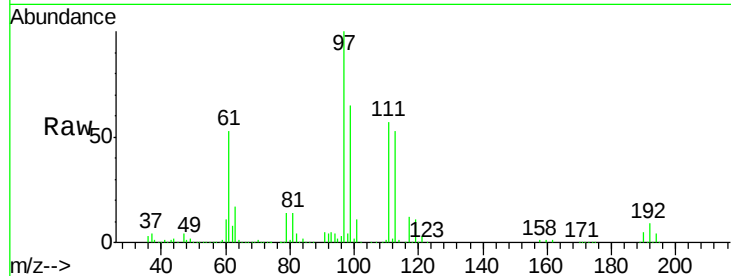
#33
 1,1,1-Trichloroethane
 Concen: 46.66 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN027178.D
 Acq: 15 Sep 2015 21:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		689989		
99	64.2	50.1	75.1		
61	52.1	44.0	66.0		

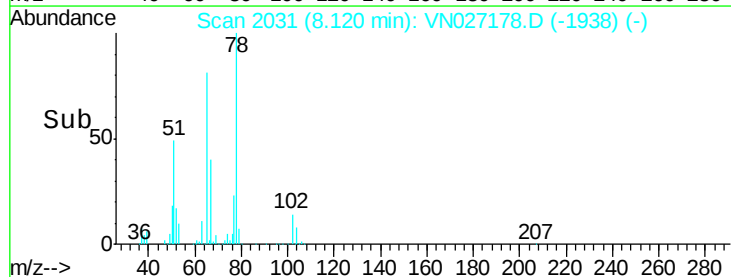
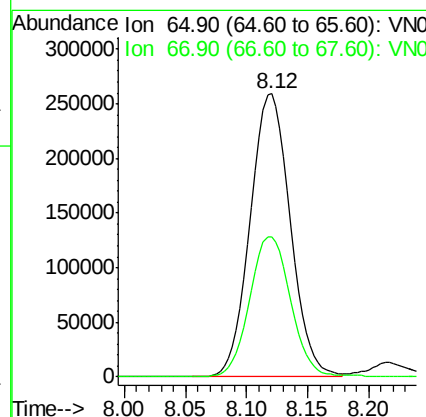
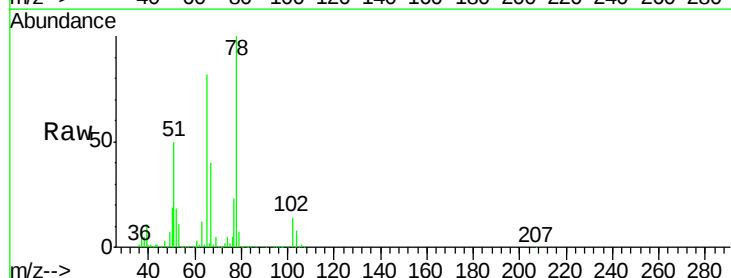
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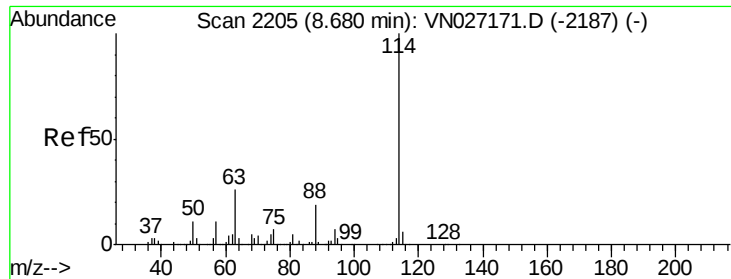
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#34
 1,2-Dichloroethane-d4
 Concen: 49.69 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VN027178.D
 Acq: 15 Sep 2015 21:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100		591157		
67	50.3	0.0	110.6		





#35

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.68 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VN027178.D

Acq: 15 Sep 2015 21:57

Instrument :

MSVOA_N

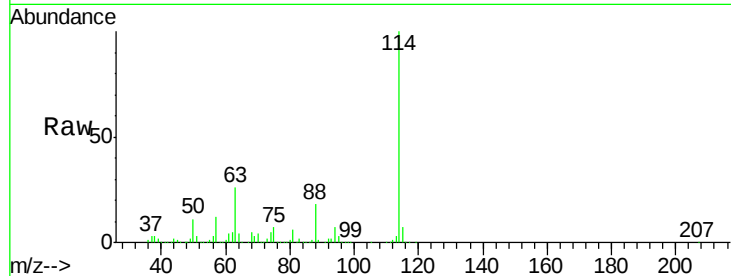
ClientSampleId :

VSTDCCC050

Tot Ion:	114	Resp:	1101119
Ion	Ratio	Lower	Upper
114	100		
63	26.3	0.0	48.8
88	18.2	0.0	32.2

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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN

8.68

600000

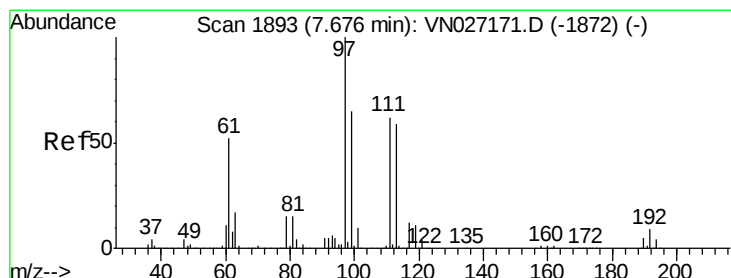
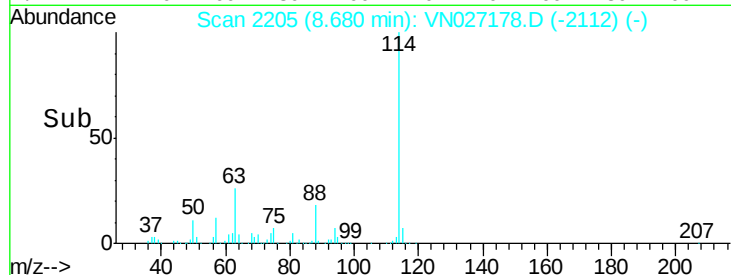
400000

200000

0

8.60 8.70 8.80

Time-->



#36

Dibromofluoromethane

Concen: 49.18 ug/l

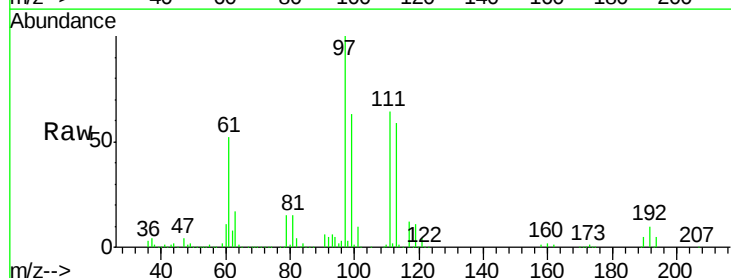
RT: 7.68 min Scan# 1893

Delta R.T. 0.00 min

Lab File: VN027178.D

Acq: 15 Sep 2015 21:57

Tgt Ion:	113	Resp:	375381
Ion	Ratio	Lower	Upper
113	100		
111	105.0	83.0	124.4
192	16.1	14.1	21.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

7.68

200000

150000

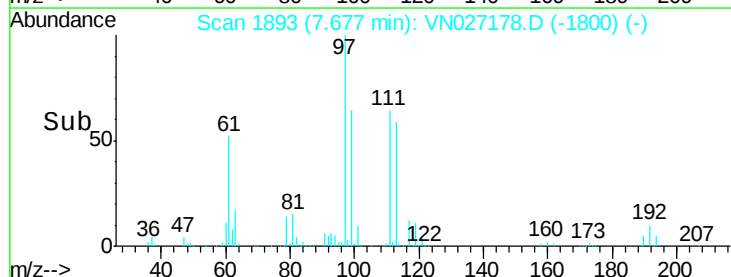
100000

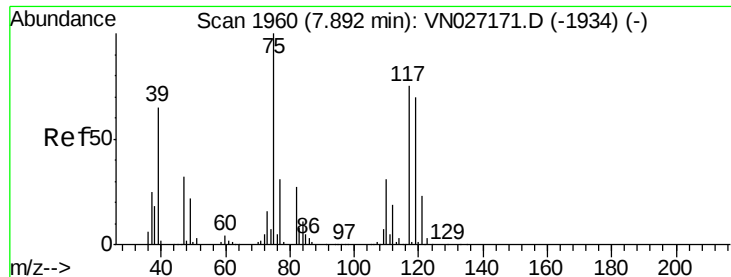
50000

0

7.60 7.70 7.80

Time-->





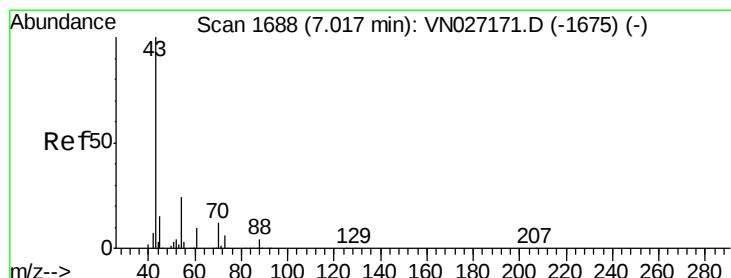
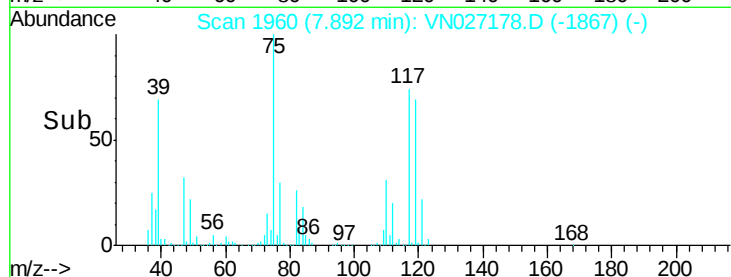
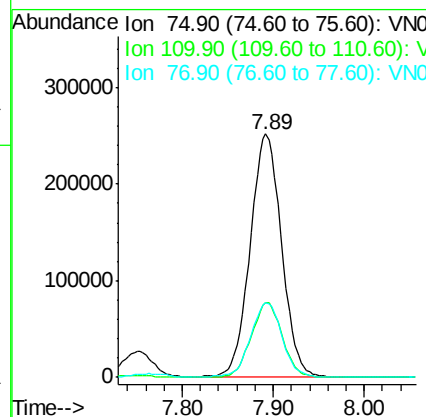
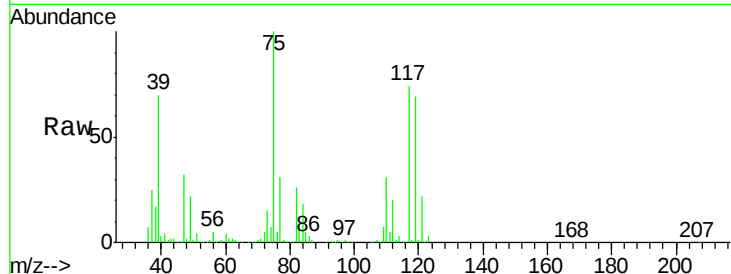
#37
 1,1-Dichloropropene
 Concen: 46.69 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027178.D
 Acq: 15 Sep 2015 21:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	601825		
110	30.5	15.9	47.7	
77	30.3	24.9	37.3	

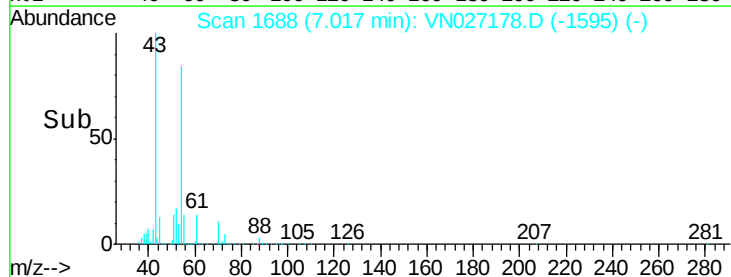
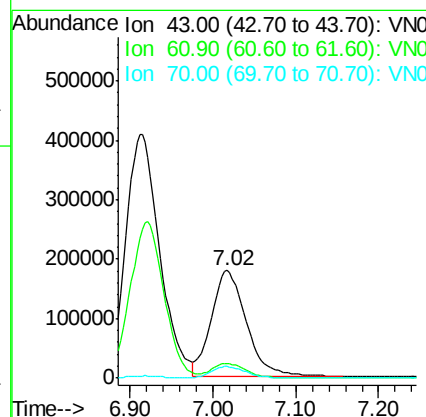
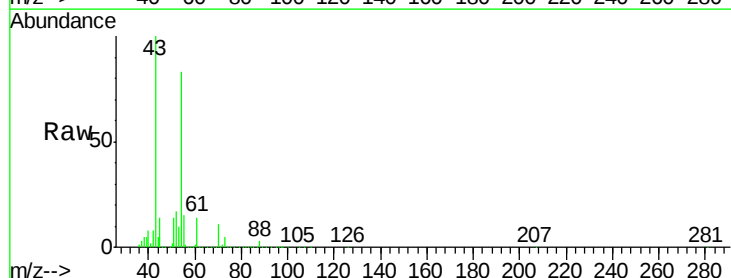
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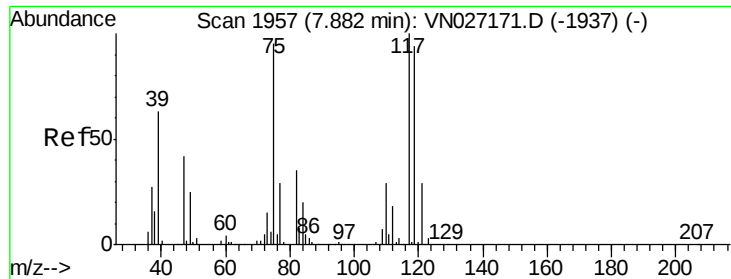
MMDadoda
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#38
 Ethyl Acetate
 Concen: 48.14 ug/l
 RT: 7.02 min Scan# 1688
 Delta R.T. 0.00 min
 Lab File: VN027178.D
 Acq: 15 Sep 2015 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	527988		
61	13.3	10.2	15.4	
70	10.1	7.4	11.0	





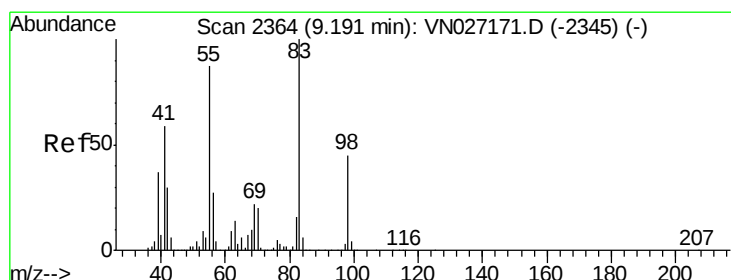
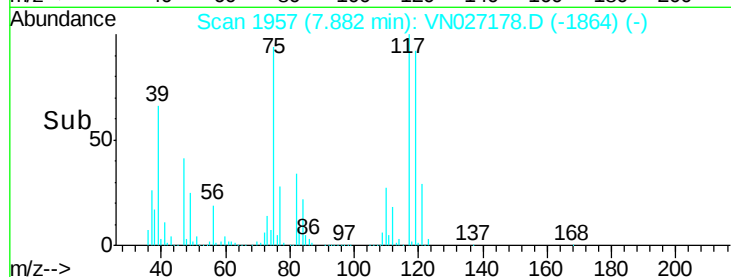
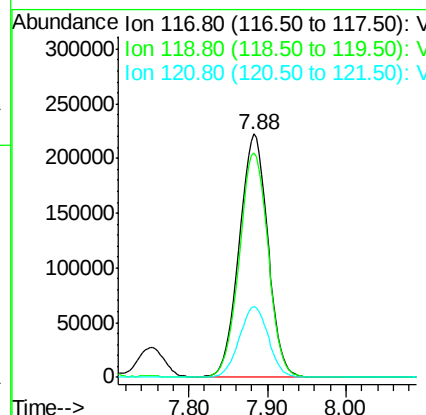
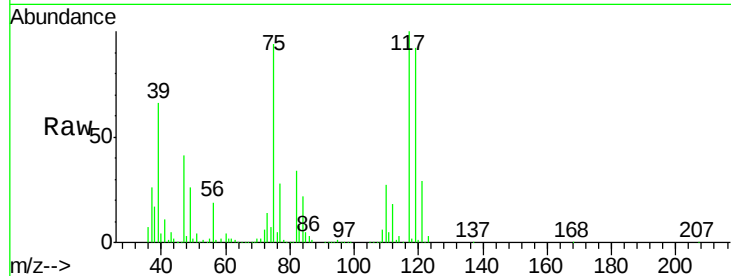
#39
Carbon Tetrachloride
Concen: 46.72 ug/l
RT: 7.88 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.1	75.3	112.9
121	29.3	23.8	35.8

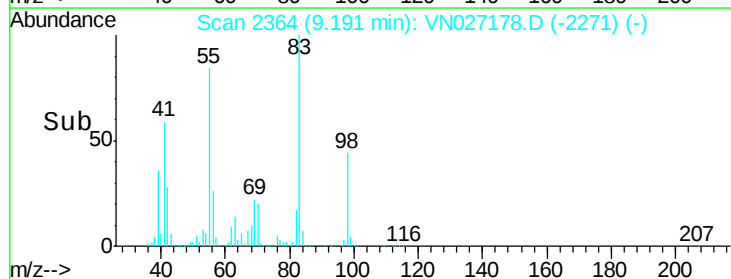
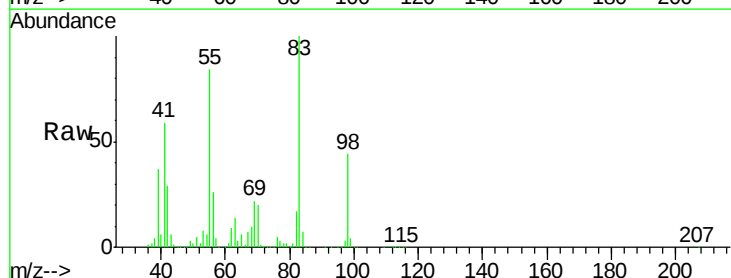
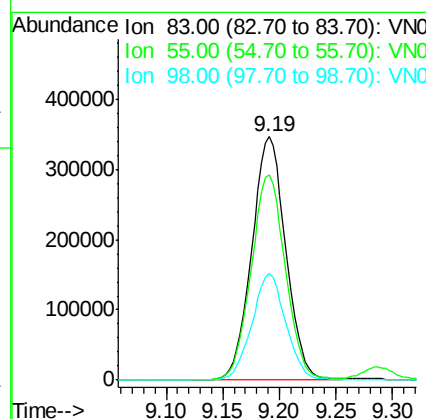
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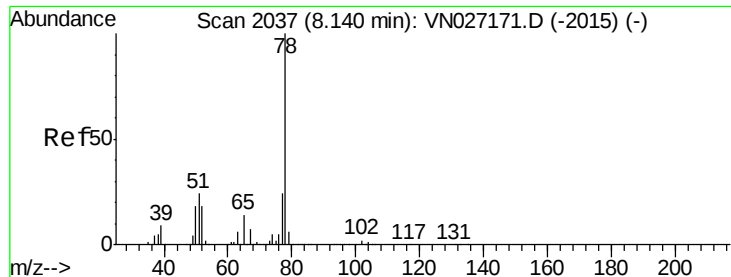
MMDadoda
9/16/2015 11:47:33 AM



#40
Methylcyclohexane
Concen: 46.06 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.0	69.8	104.8
98	43.7	34.3	51.5





#41

Benzene

Concen: 46.26 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027178.D

Acq: 15 Sep 2015 21:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 78 Resp: 1739655

Ion Ratio Lower Upper

78 100

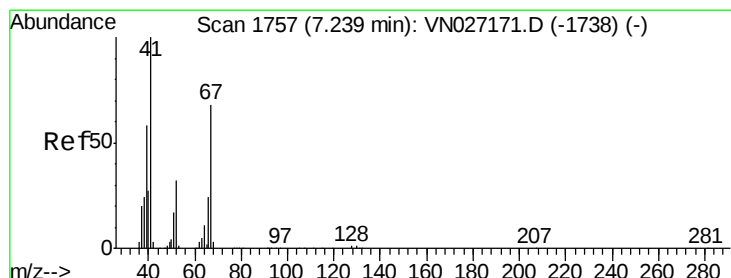
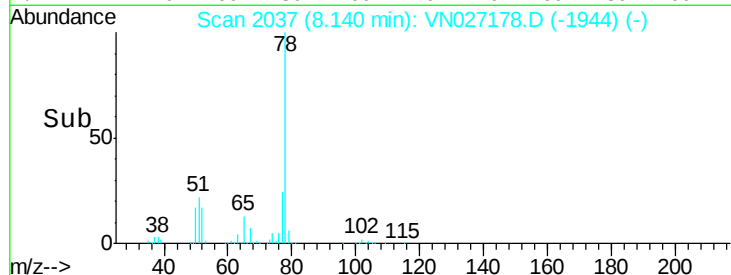
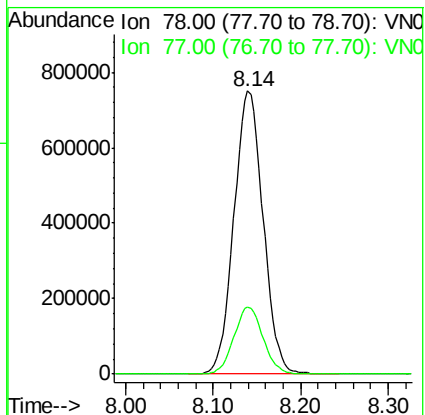
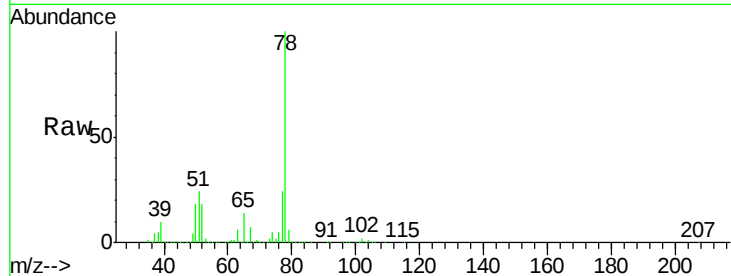
77 23.9 19.0 28.4

Manual Integrations

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MMDadoda

9/16/2015 11:47:33 AM



#42

Methacrylonitrile

Concen: 47.88 ug/l

RT: 7.24 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VN027178.D

Acq: 15 Sep 2015 21:57

Tgt Ion: 41 Resp: 298316

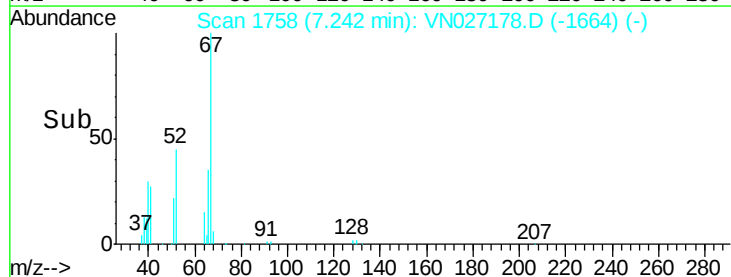
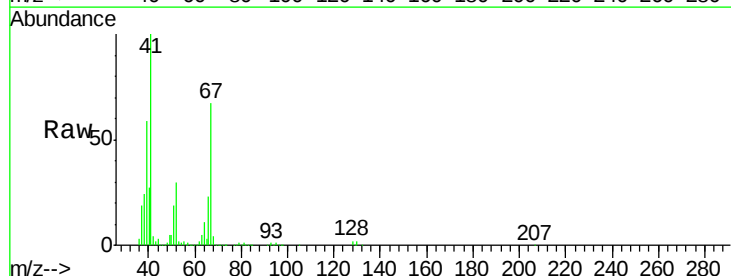
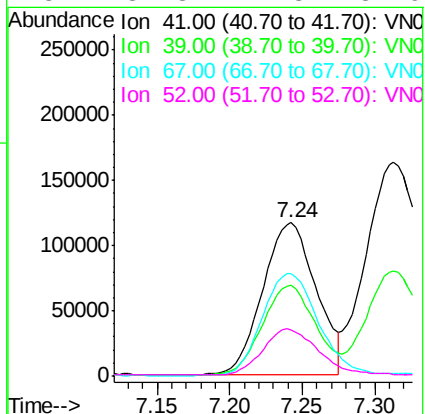
Ion Ratio Lower Upper

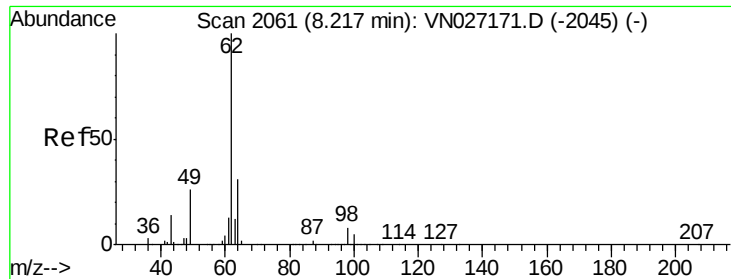
41 100

39 59.7 43.0 64.6

67 71.6 52.2 78.2

52 32.3 21.3 31.9#





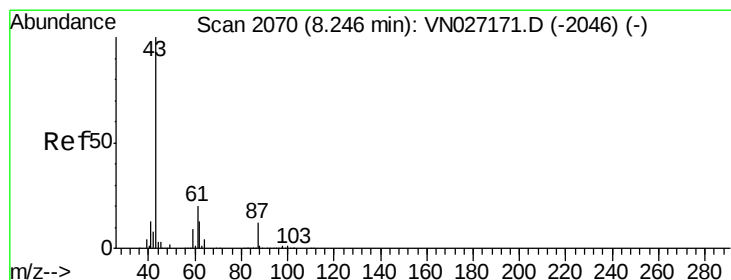
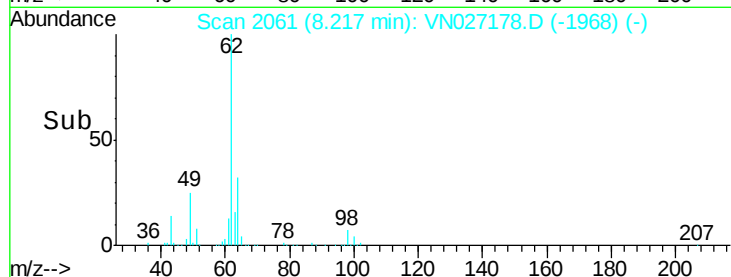
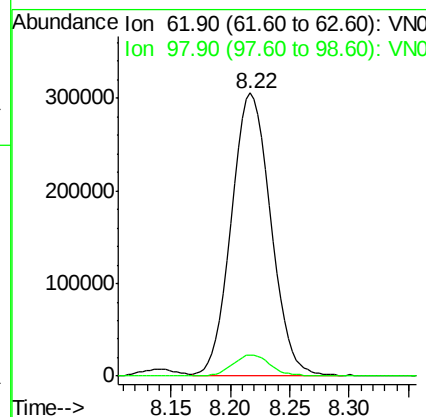
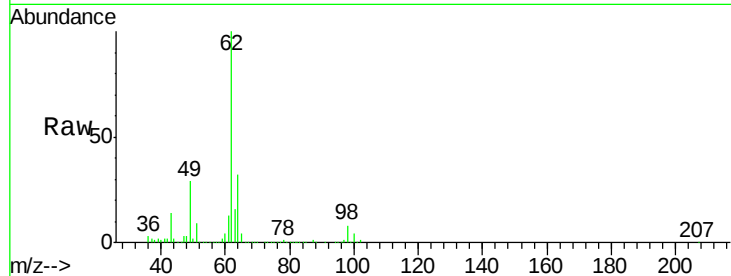
#43
 1,2-Dichloroethane
 Concen: 46.13 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. 0.00 min
 Lab File: VN027178.D
 Acq: 15 Sep 2015 21:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
62	100	698944		
98	7.1	0.0	18.0	

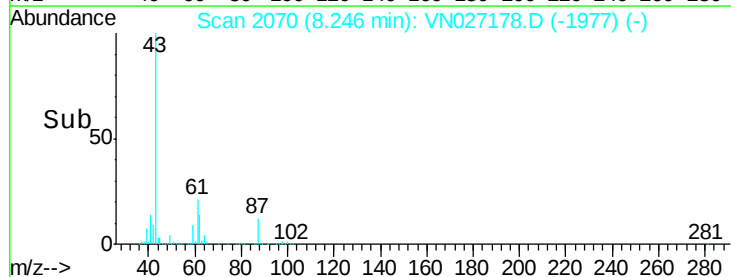
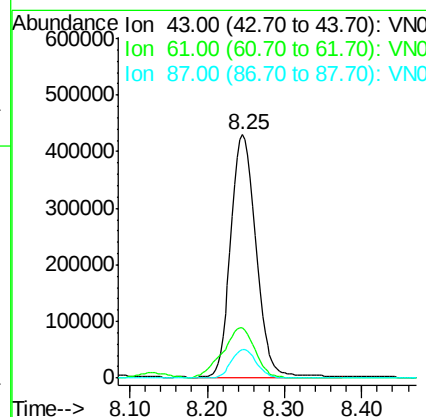
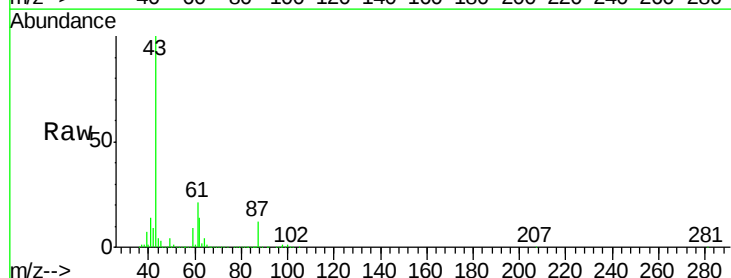
Manual Integrations
 APPROVED

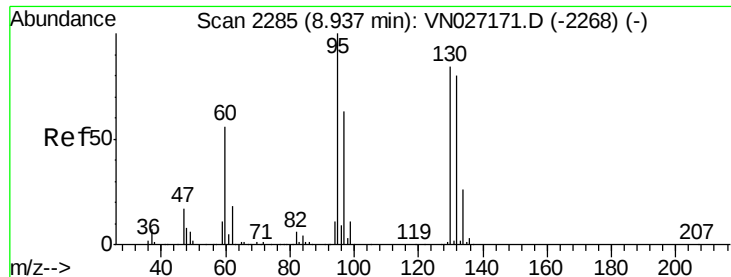
MMDadoda
 9/16/2015 11:47:33 AM



#44
 Isopropyl Acetate
 Concen: 47.06 ug/l
 RT: 8.25 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VN027178.D
 Acq: 15 Sep 2015 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	969306		
61	26.4	20.6	31.0	
87	11.9	8.6	13.0	





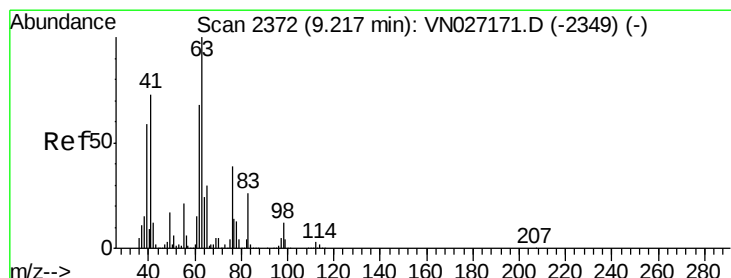
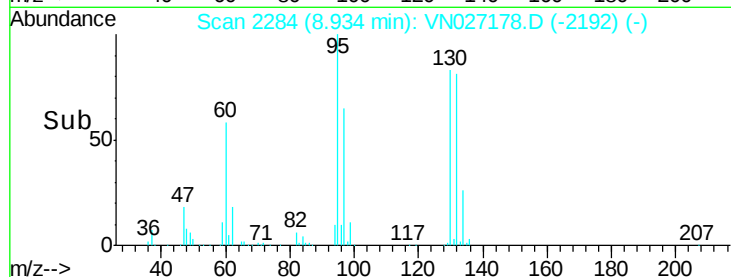
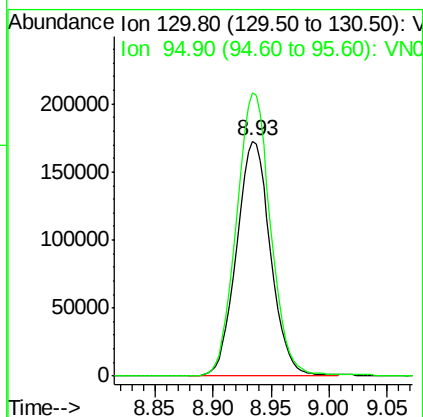
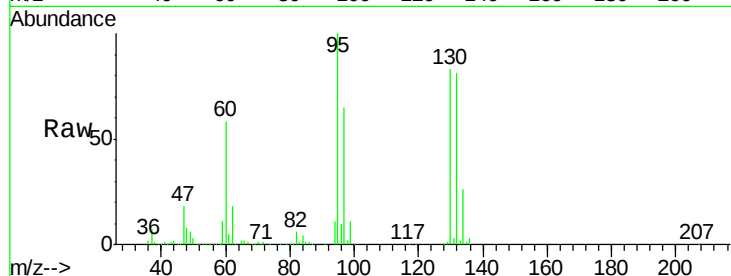
#45
 Trichloroethene
 Concen: 46.43 ug/l
 RT: 8.93 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN027178.D
 Acq: 15 Sep 2015 21:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
130	100	350706		
95	120.3	0.0	222.2	

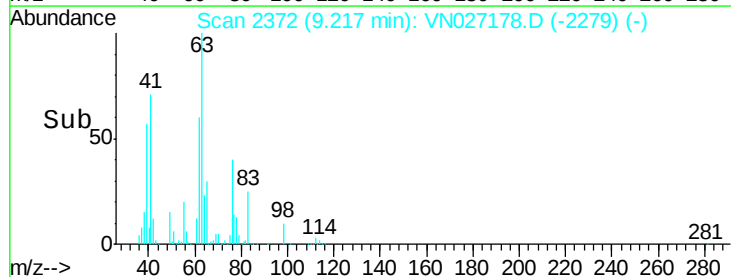
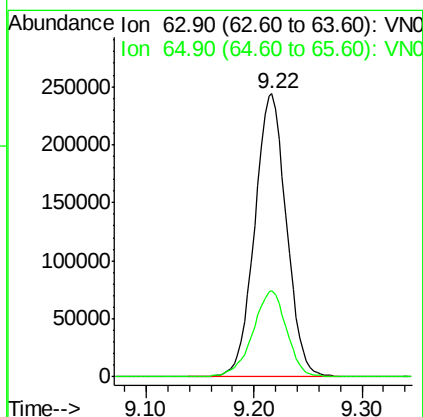
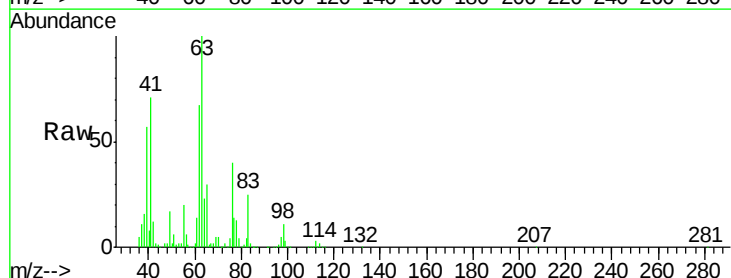
Manual Integrations
 APPROVED

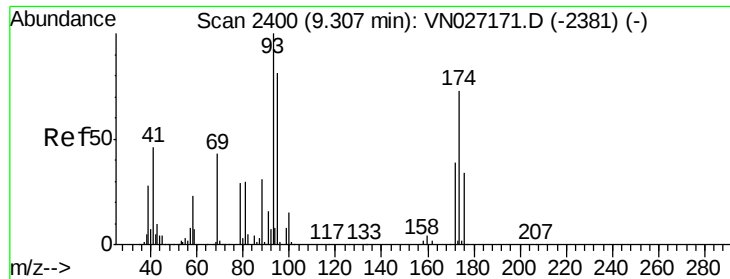
MMDadoda
 9/16/2015 11:47:33 AM



#46
 1,2-Dichloropropane
 Concen: 45.91 ug/l
 RT: 9.22 min Scan# 2372
 Delta R.T. 0.00 min
 Lab File: VN027178.D
 Acq: 15 Sep 2015 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	496795		
65	30.3	24.4	36.6	





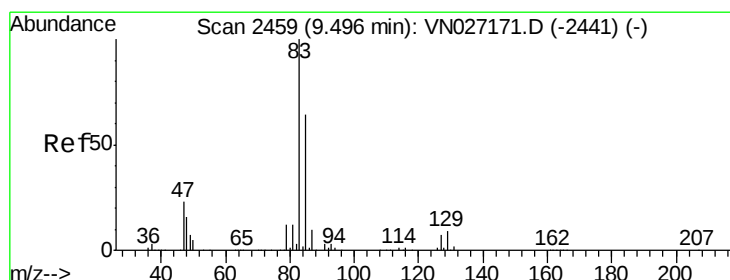
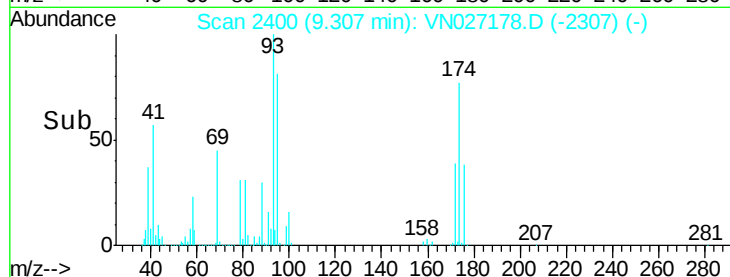
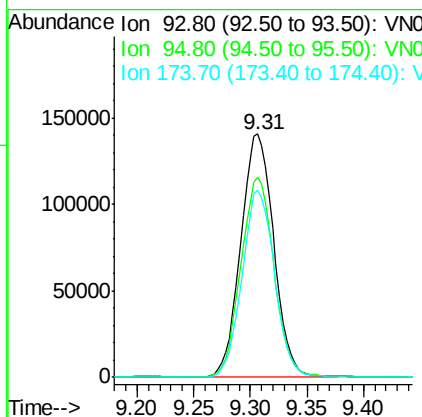
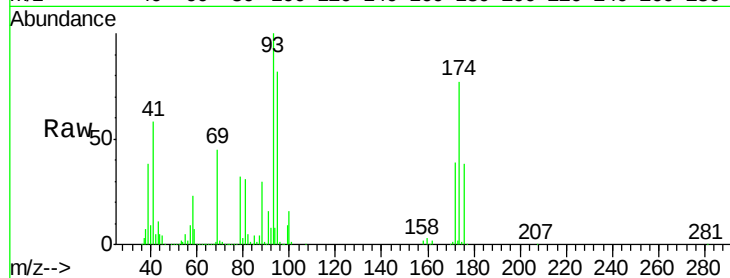
#47
Dibromomethane
Concen: 45.06 ug/l
RT: 9.31 min Scan# 2400
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
93	100	286280		
95	82.0	66.3	99.5	
174	75.9	67.8	101.6	

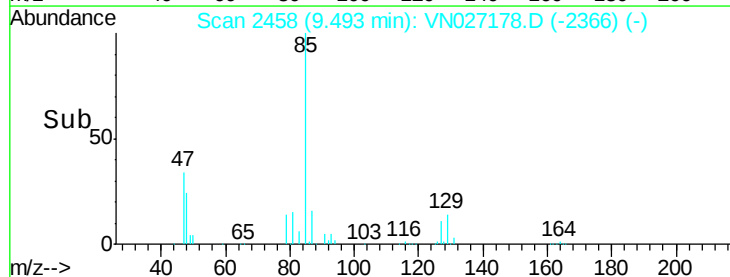
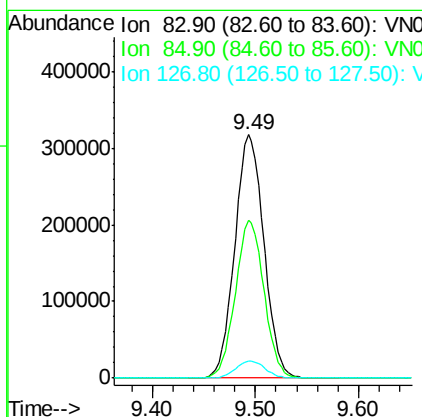
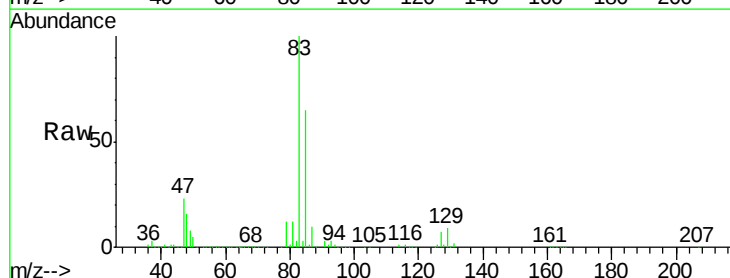
Manual Integrations
APPROVED

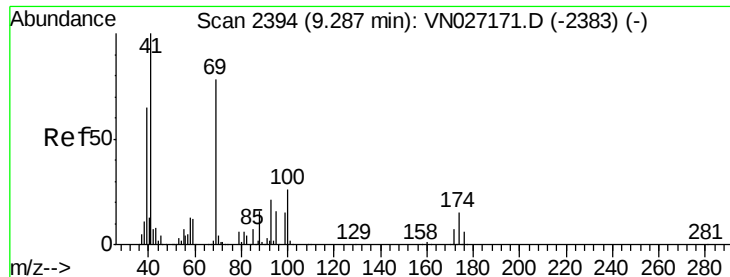
MMDadoda
9/16/2015 11:47:33 AM



#48
Bromodichloromethane
Concen: 46.55 ug/l
RT: 9.49 min Scan# 2458
Delta R.T. -0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	623214		
85	64.8	50.7	76.1	
127	6.9	5.5	8.3	





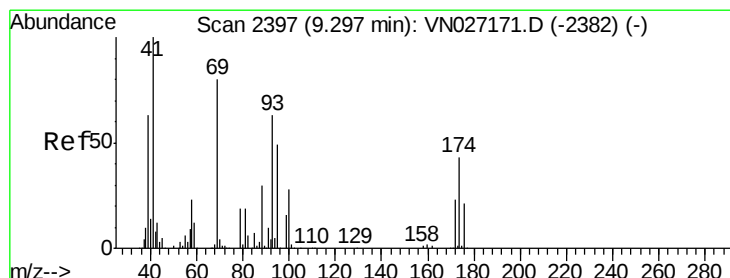
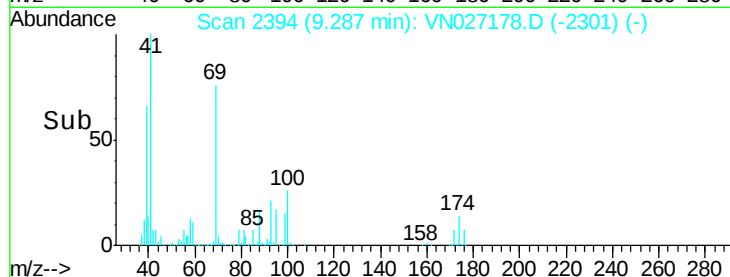
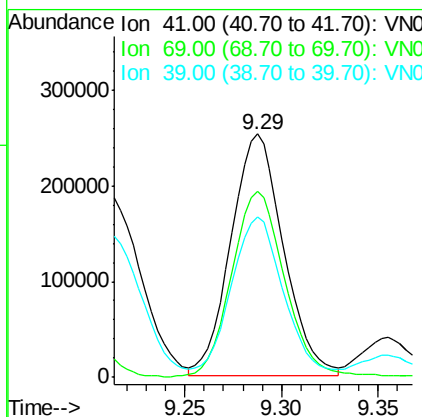
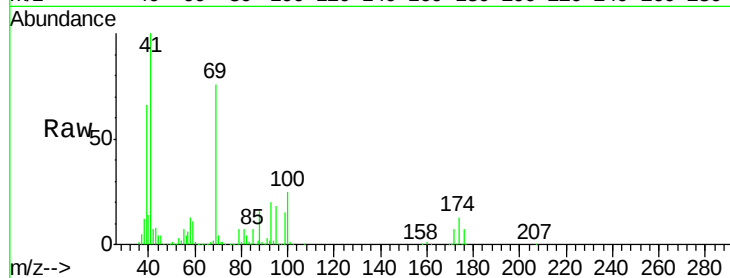
#49
Methvl methacrylate
Concen: 46.65 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100	478689		
69	77.6	59.3	88.9	
39	65.9	39.5	59.3#	

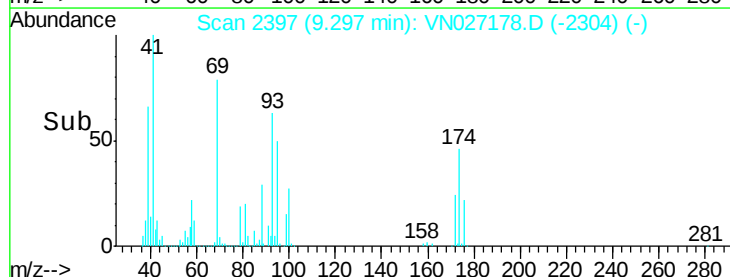
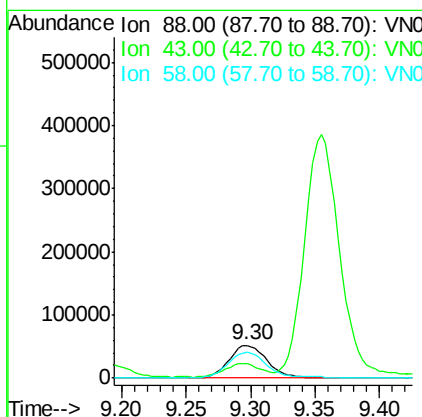
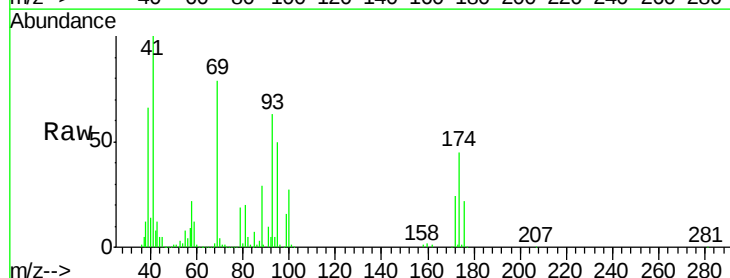
Manual Integrations
APPROVED

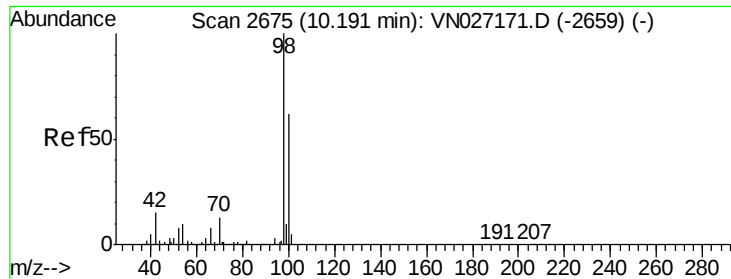
MMDadoda
9/16/2015 11:47:33 AM



#50
1,4-Dioxane
Concen: 891.34 ug/l
RT: 9.30 min Scan# 2397
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	107281		
43	38.4	27.6	41.4	
58	79.8	63.1	94.7	





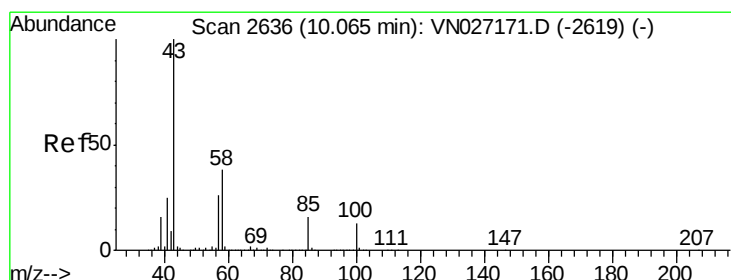
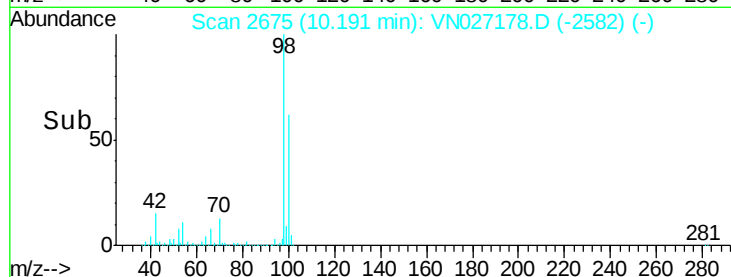
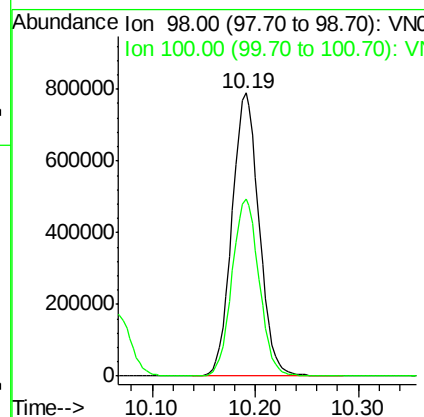
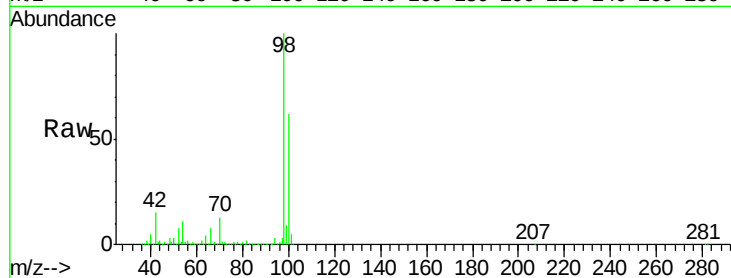
#51
Toluene-d8
Concen: 48.38 ug/l
RT: 10.19 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 98 Resp: 1445829
Ion Ratio Lower Upper
98 100
100 62.8 50.5 75.7

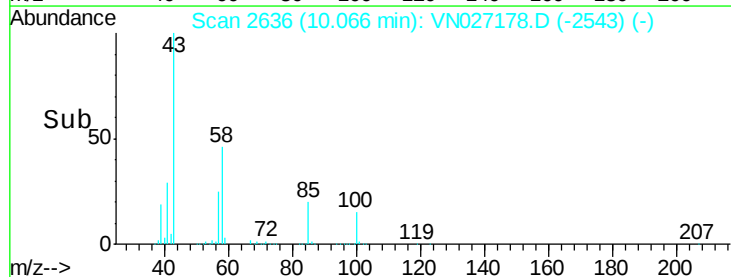
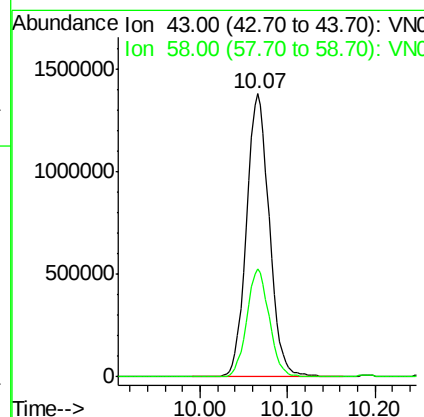
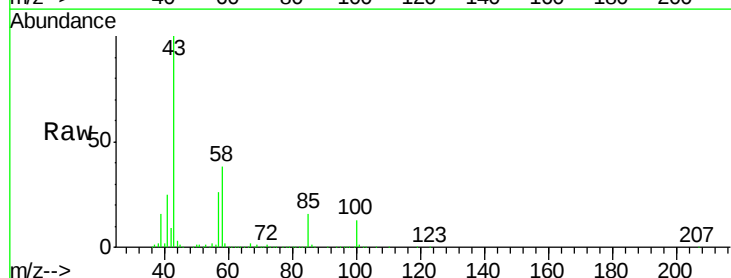
Manual Integrations
APPROVED

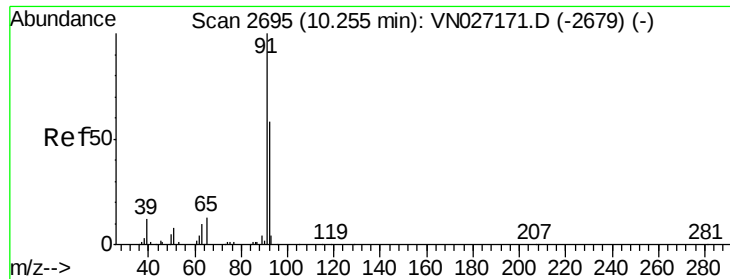
MMDadoda
9/16/2015 11:47:33 AM



#52
4-Methyl-2-Pentanone
Concen: 228.75 ug/l
RT: 10.07 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Tgt Ion: 43 Resp: 2491207
Ion Ratio Lower Upper
43 100
58 37.7 29.8 44.8





#53

Toluene

Concen: 46.18 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027178.D

Acq: 15 Sep 2015 21:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 92 Resp: 1017390

Ion Ratio Lower Upper

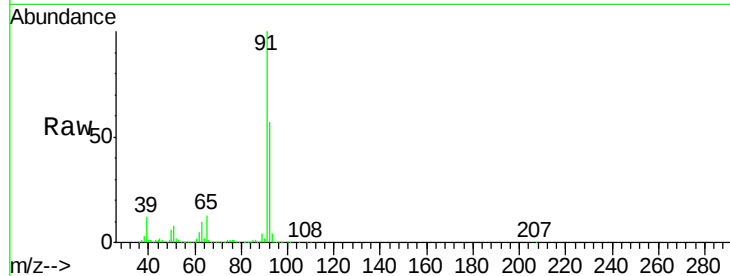
92 100

91 173.4 141.4 212.2

Manual Integrations
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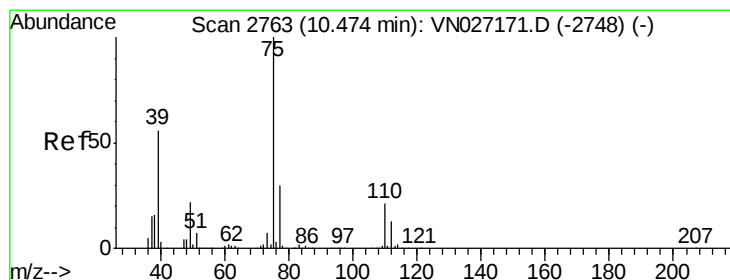
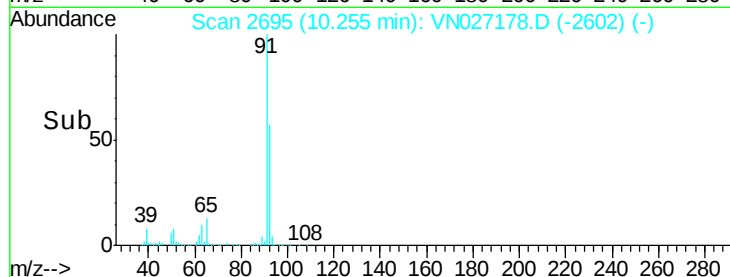
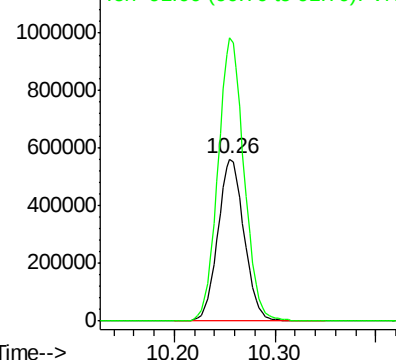
MMDadoda

9/16/2015 11:47:33 AM



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

t-1,3-Dichloropropene

Concen: 46.17 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027178.D

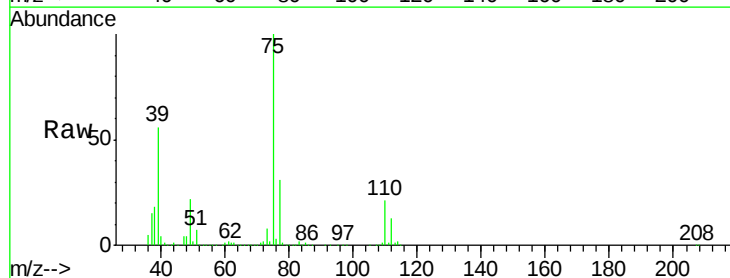
Acq: 15 Sep 2015 21:57

Tgt Ion: 75 Resp: 694215

Ion Ratio Lower Upper

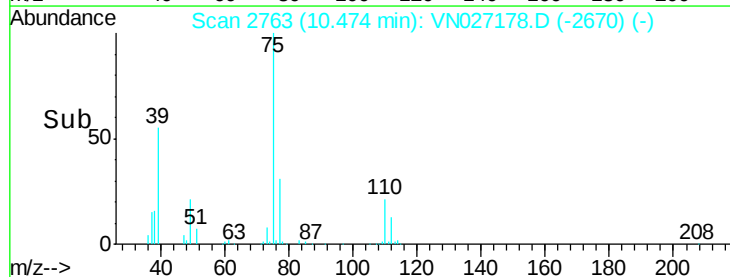
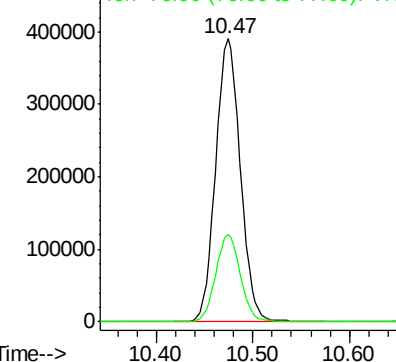
75 100

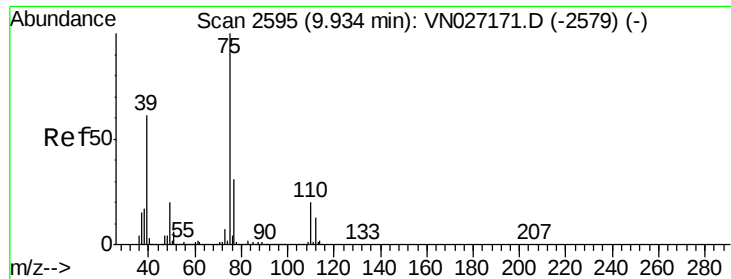
77 30.7 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#55

cis-1,3-Dichloropropene

Concen: 45.45 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027178.D

Acq: 15 Sep 2015 21:57

Instrument :

MSVOA_N

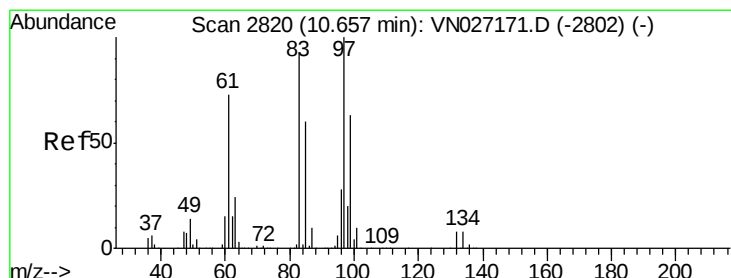
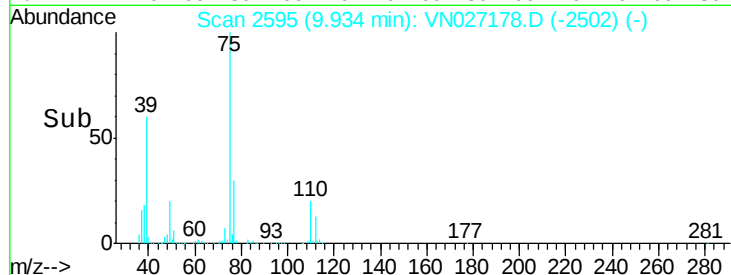
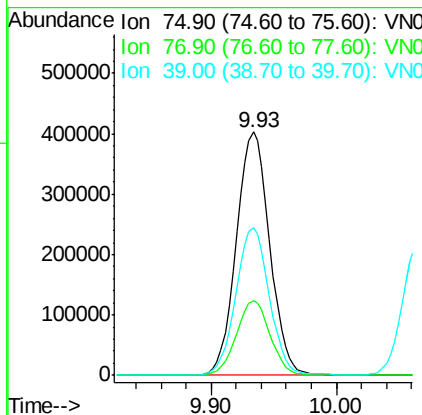
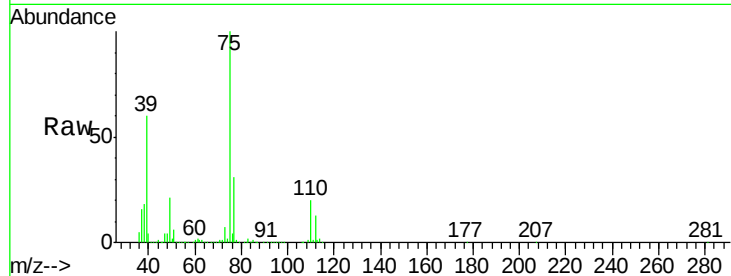
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	743458
Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.6	38.4
39	60.2	41.6	62.4

Manual Integrations
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#56

1,1,2-Trichloroethane

Concen: 46.64 ug/l

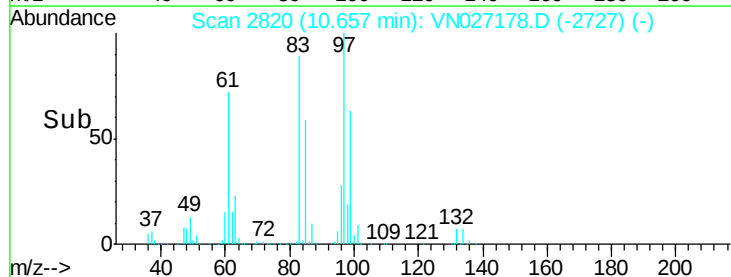
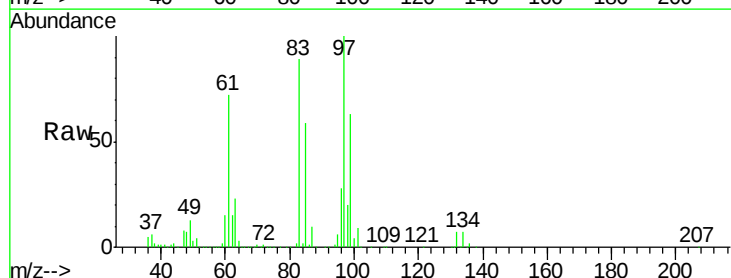
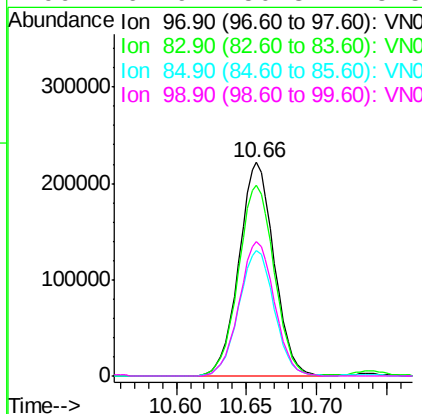
RT: 10.66 min Scan# 2820

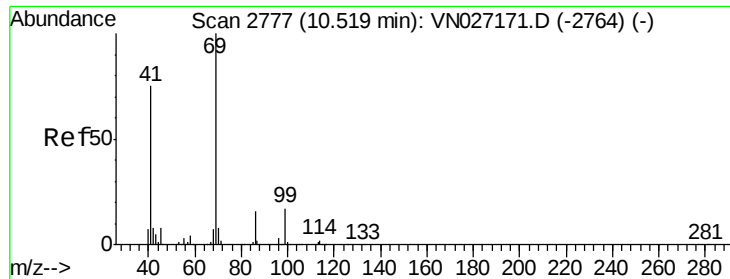
Delta R.T. 0.00 min

Lab File: VN027178.D

Acq: 15 Sep 2015 21:57

Tgt Ion:	97	Resp:	386108
Ion	Ratio	Lower	Upper
97	100		
83	89.2	75.0	112.4
85	58.7	48.0	72.0
99	62.9	50.3	75.5





#57

Ethyl methacrylate

Concen: 46.83 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN027178.D

Acq: 15 Sep 2015 21:57

Instrument :

MSVOA_N

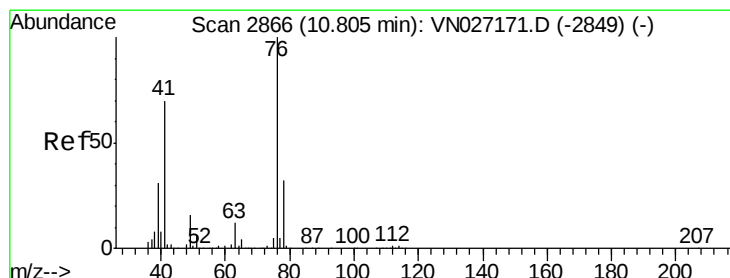
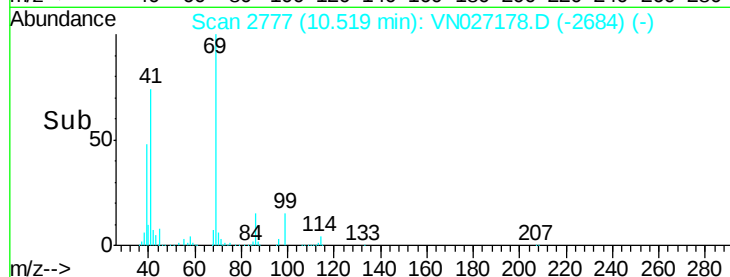
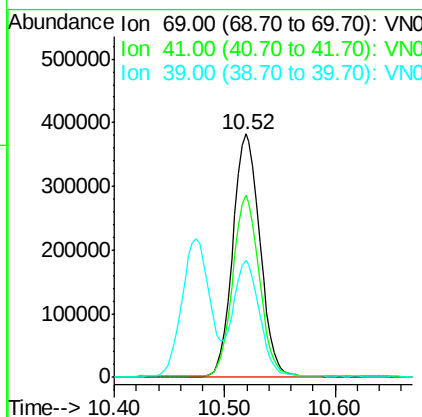
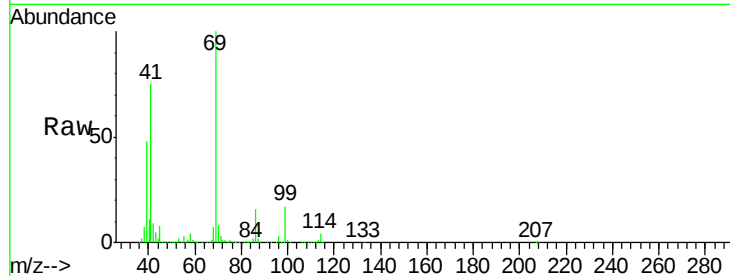
ClientSampleId :

VSTDCCC050

Tot Ion:	69	Resp:	653360
Ion	Ratio	Lower	Upper
69	100		
41	72.5	61.3	91.9
39	47.2	28.4	42.6

Manual Integrations
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9/16/2015 11:47:33 AM



#58

1,3-Dichloropropane

Concen: 46.66 ug/l

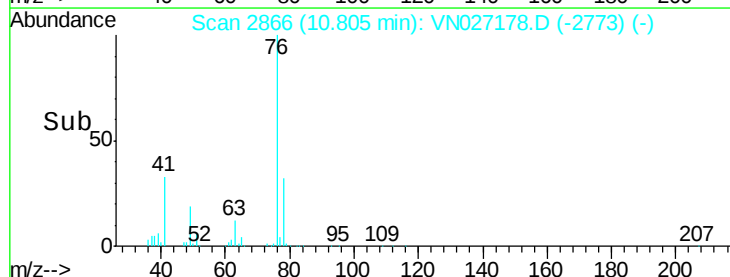
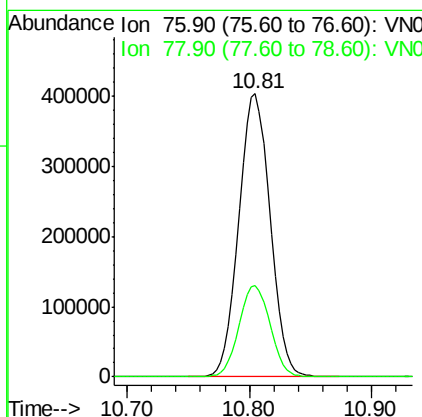
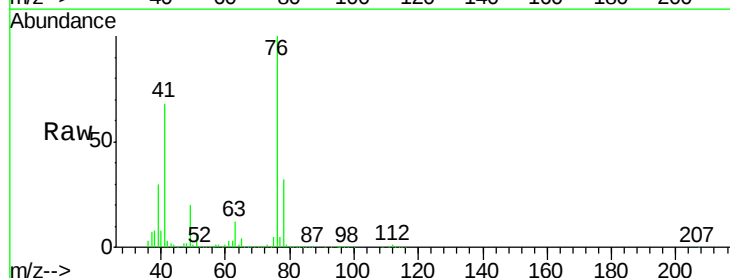
RT: 10.81 min Scan# 2866

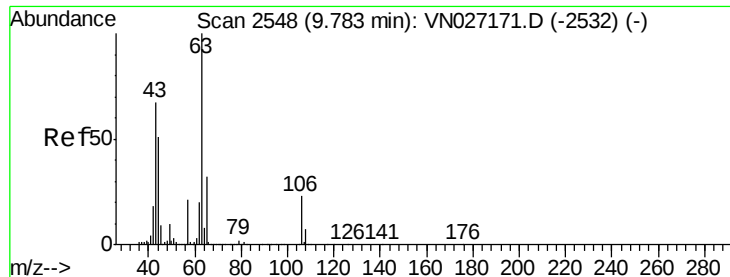
Delta R.T. 0.00 min

Lab File: VN027178.D

Acq: 15 Sep 2015 21:57

Tgt Ion:	76	Resp:	717112
Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.0	37.6





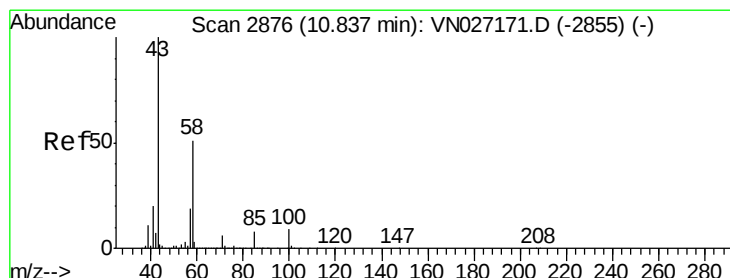
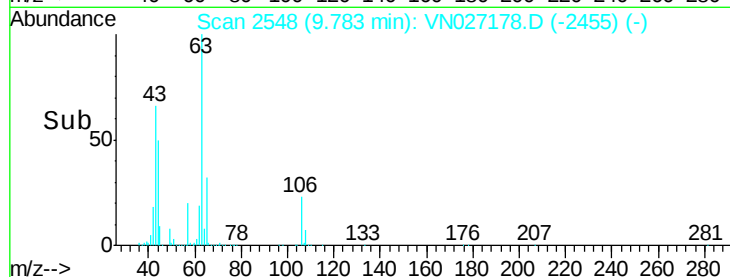
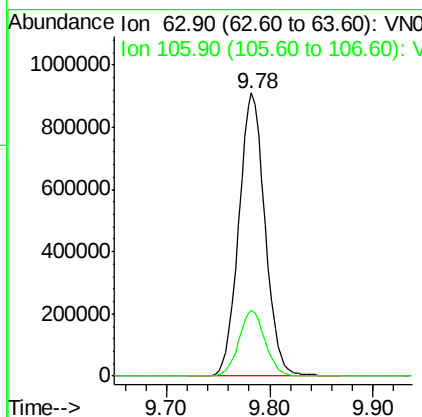
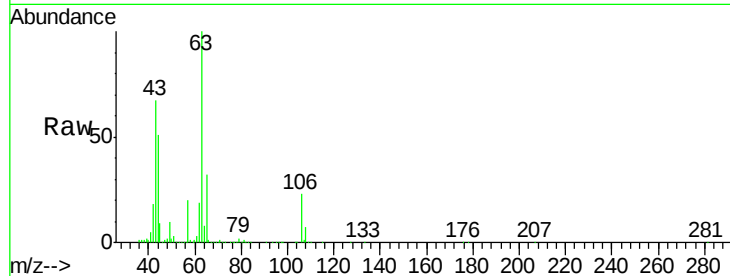
#59
2-Chloroethyl Vinyl ether
Concen: 250.82 ug/l
RT: 9.78 min Scan# 2548
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 63 Resp: 1606763
Ion Ratio Lower Upper
63 100
106 23.2 17.7 26.5

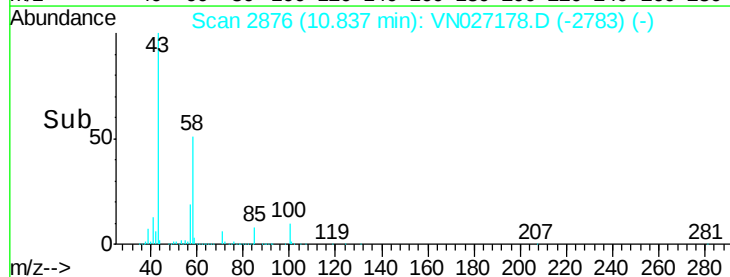
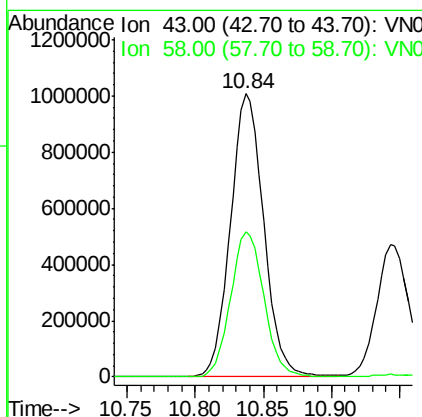
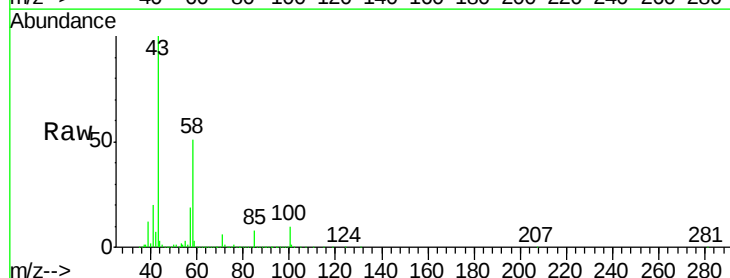
Manual Integrations
APPROVED

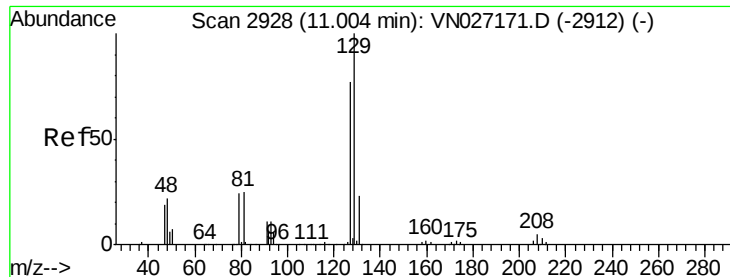
MMDadoda
9/16/2015 11:47:33 AM



#60
2-Hexanone
Concen: 228.79 ug/l
RT: 10.84 min Scan# 2876
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Tgt Ion: 43 Resp: 1696428
Ion Ratio Lower Upper
43 100
58 51.8 26.2 78.5





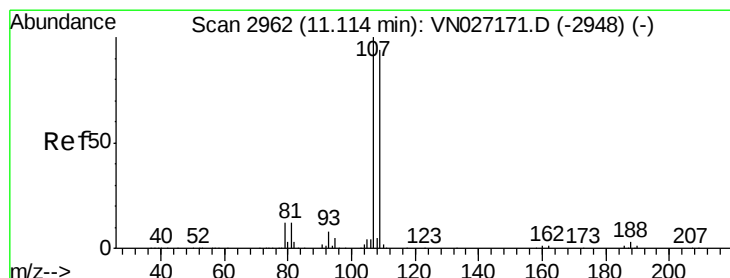
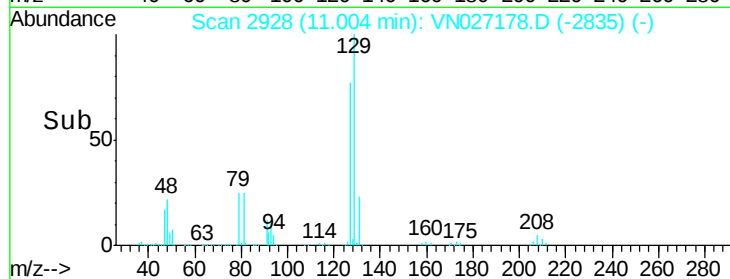
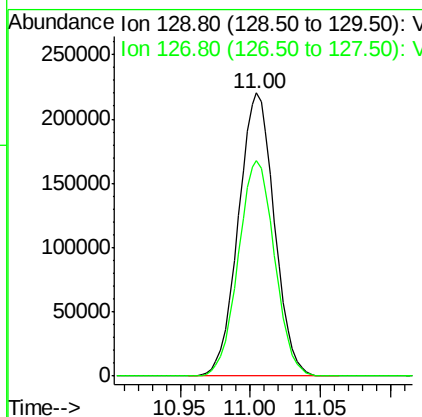
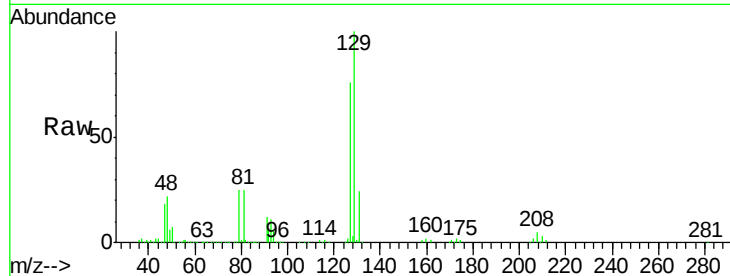
#61
 Dibromochloromethane
 Concen: 46.54 ug/l
 RT: 11.00 min Scan# 2928
 Delta R.T. 0.00 min
 Lab File: VN027178.D
 Acq: 15 Sep 2015 21:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		393491		
127	76.8	39.1	117.2		

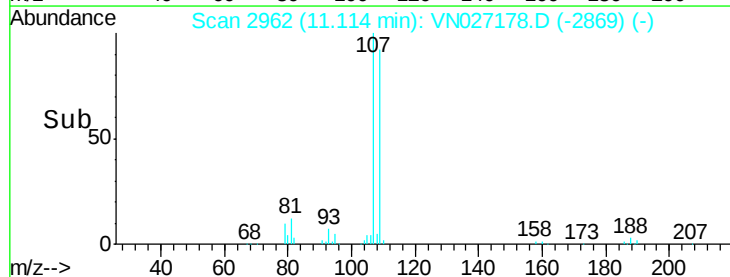
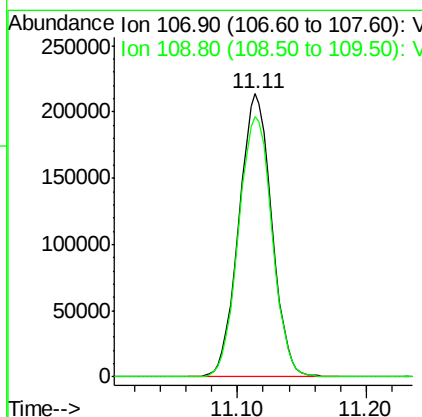
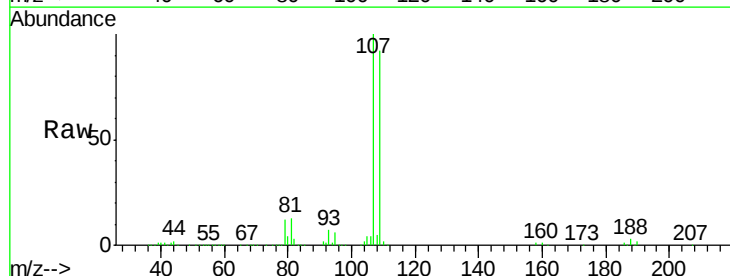
Manual Integrations
 APPROVED

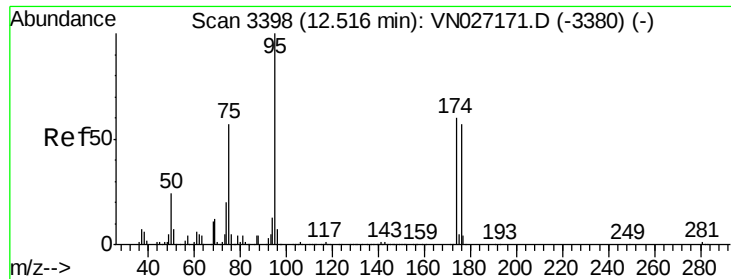
MMDadoda
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#62
 1,2-Dibromoethane
 Concen: 46.44 ug/l
 RT: 11.11 min Scan# 2962
 Delta R.T. 0.00 min
 Lab File: VN027178.D
 Acq: 15 Sep 2015 21:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		377848		
109	94.4	75.6	113.4		





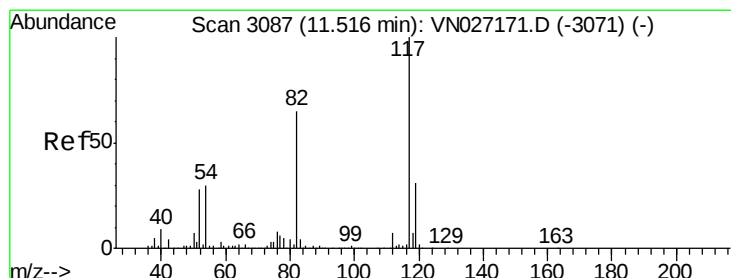
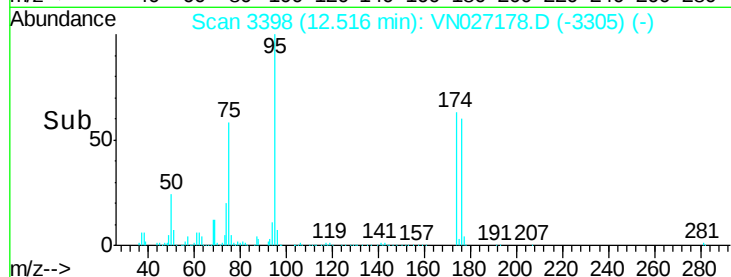
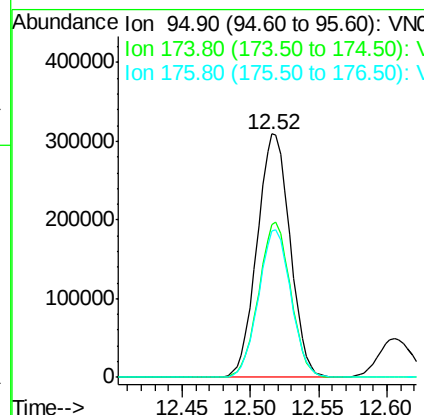
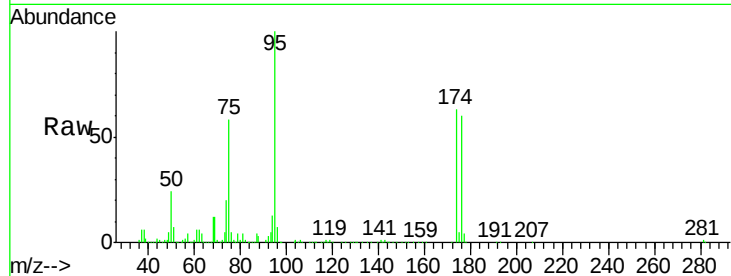
#63
4-Bromofluorobenzene
Concen: 48.92 ug/l
RT: 12.52 min Scan# 3398
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
95	100	518959		
174	61.8	0.0	137.0	
176	59.6	0.0	130.8	

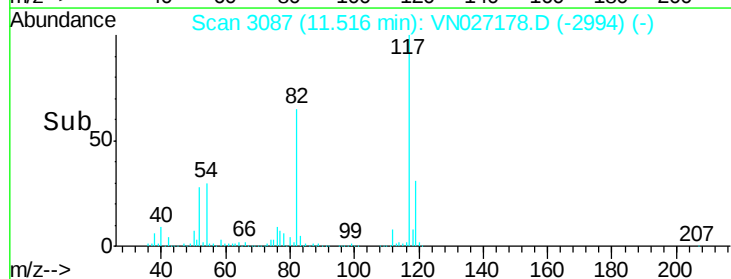
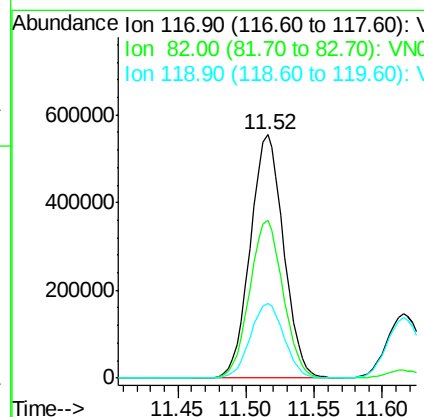
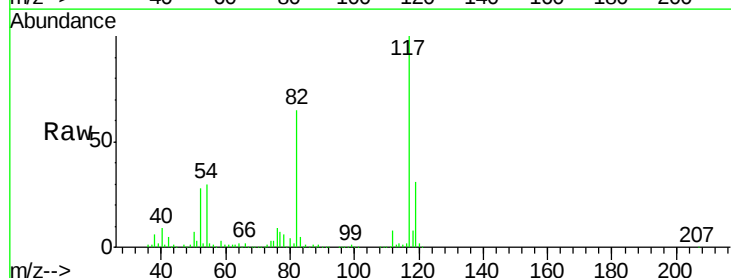
Manual Integrations
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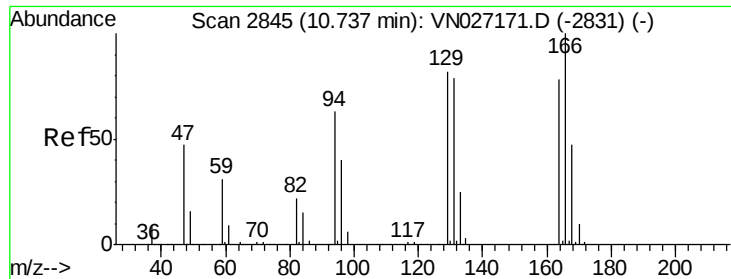
MMDadoda
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#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	940766		
82	64.6	49.6	74.4	
119	30.8	24.6	36.8	





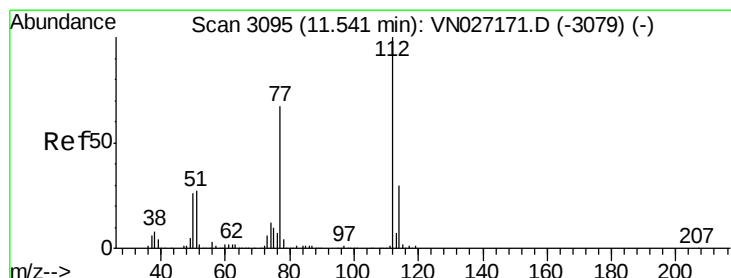
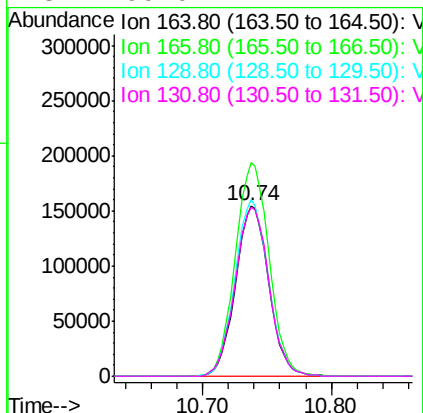
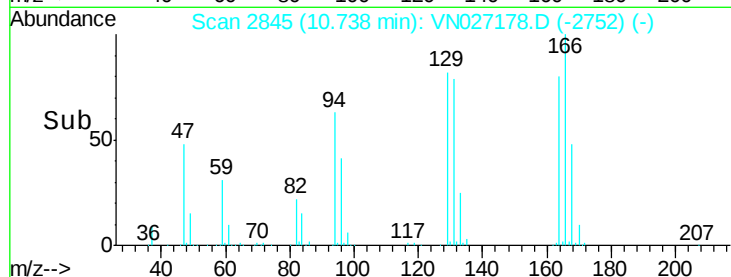
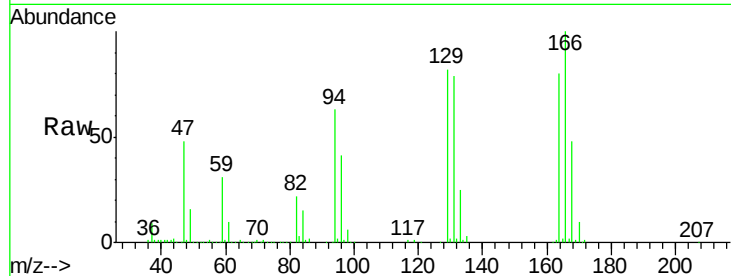
#65
Tetrachloroethene
Concen: 45.86 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	125.1	103.4	155.0	
129	103.1	77.5	116.3	
131	99.0	74.2	111.4	

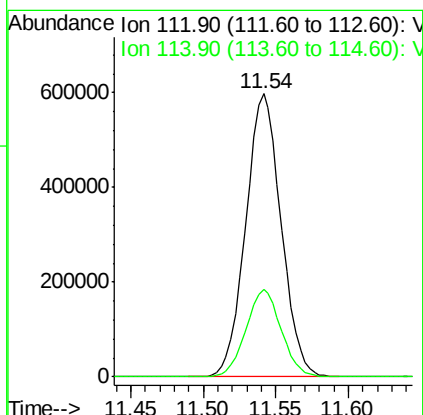
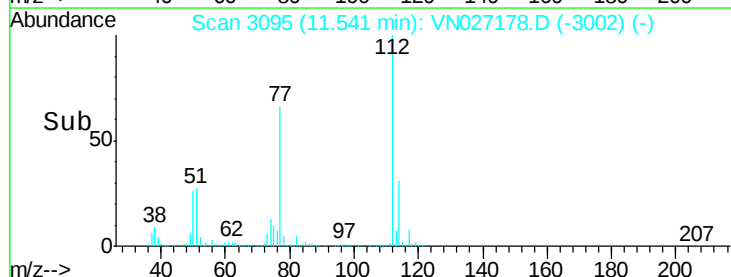
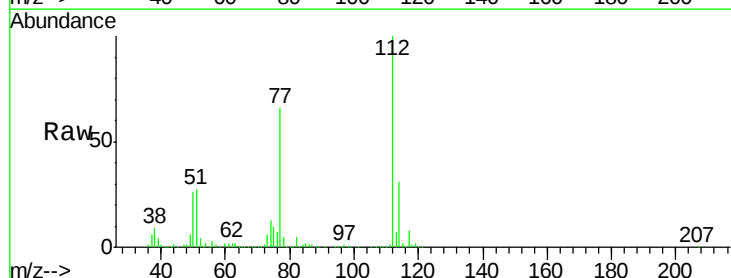
Manual Integrations
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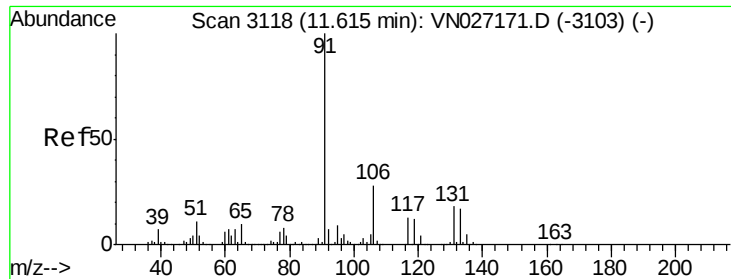
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#66
Chlorobenzene
Concen: 45.70 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	30.8	24.9	37.3	





#67

1,1,1,2-Tetrachloroethane

Concen: 46.44 ug/l

RT: 11.62 min Scan# 3118

Delta R.T. 0.00 min

Lab File: VN027178.D

Acq: 15 Sep 2015 21:57

Instrument :

MSVOA_N

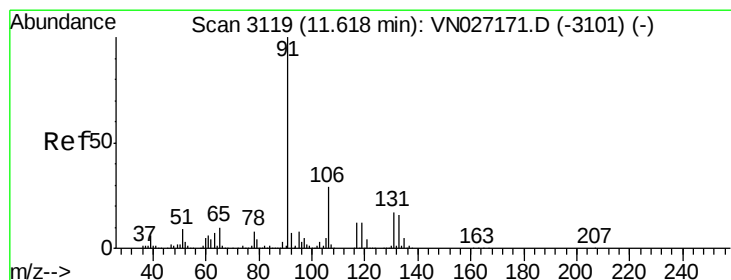
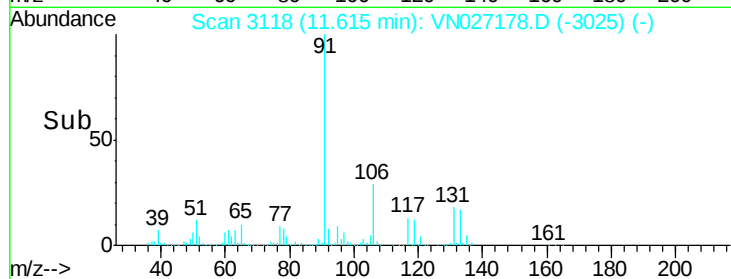
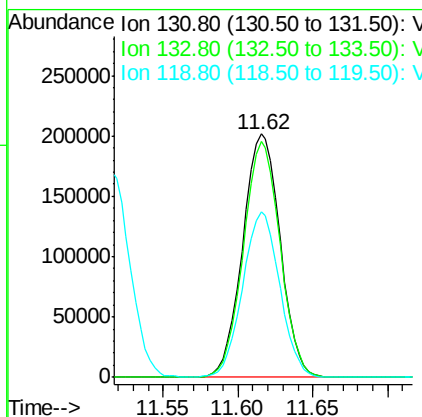
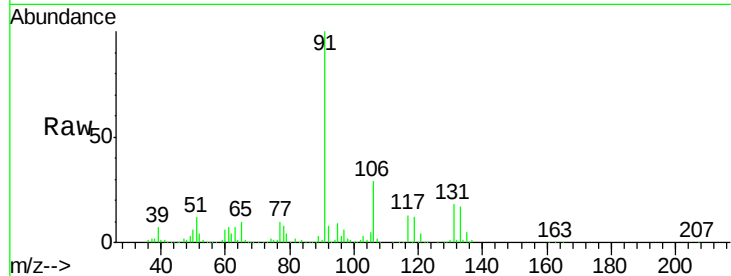
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
131	100	351820		
133	95.0	47.0	141.2	
119	67.2	35.1	105.5	

Manual Integrations
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#68

Ethyl Benzene

Concen: 45.67 ug/l

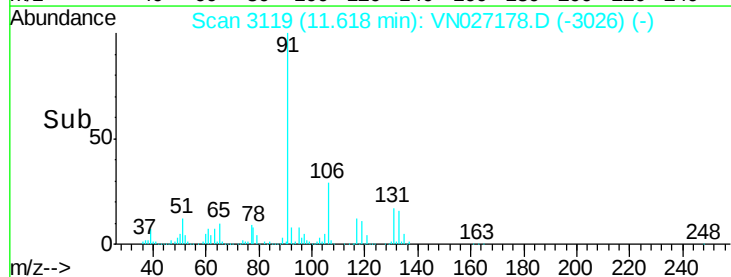
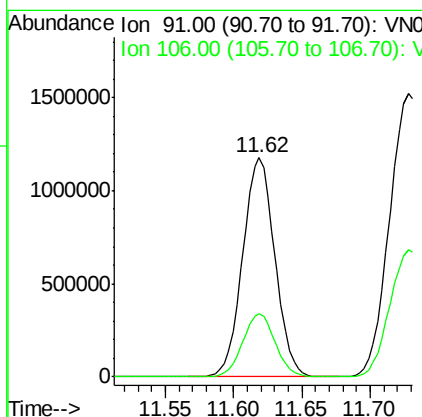
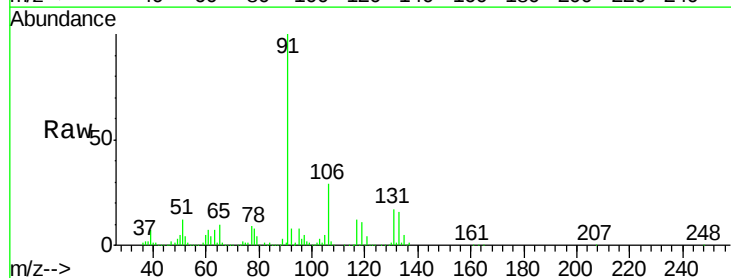
RT: 11.62 min Scan# 3119

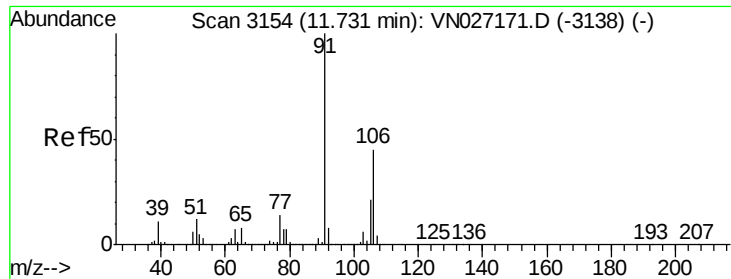
Delta R.T. 0.00 min

Lab File: VN027178.D

Acq: 15 Sep 2015 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1923482		
106	28.9	23.1	34.7	





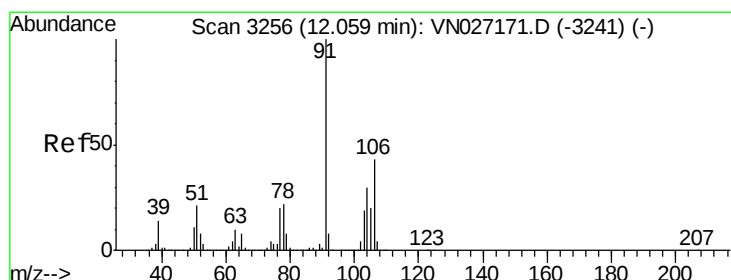
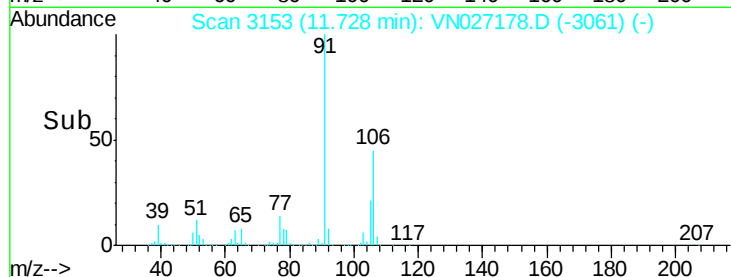
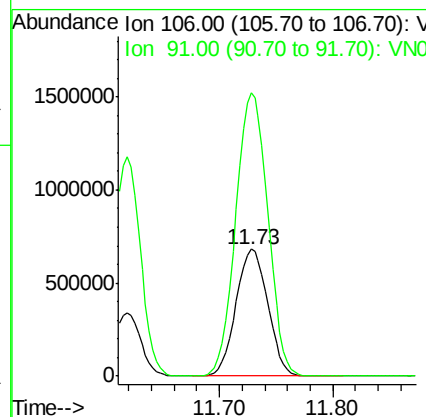
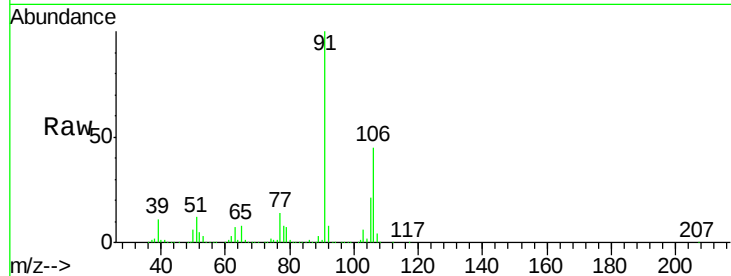
#69
m/p-Xylenes
Concen: 92.10 ug/l
RT: 11.73 min Scan# 3153
Delta R.T. -0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1338314
Ion Ratio Lower Upper
106 100
91 224.3 167.1 250.7

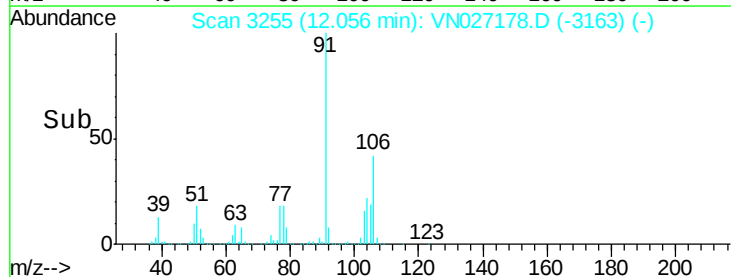
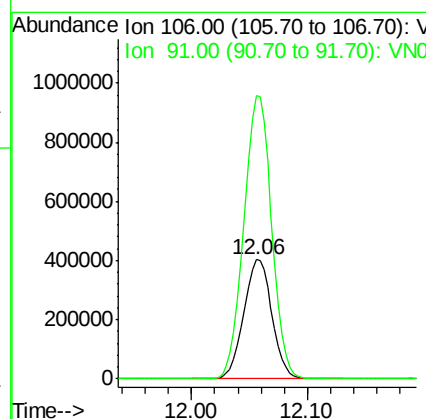
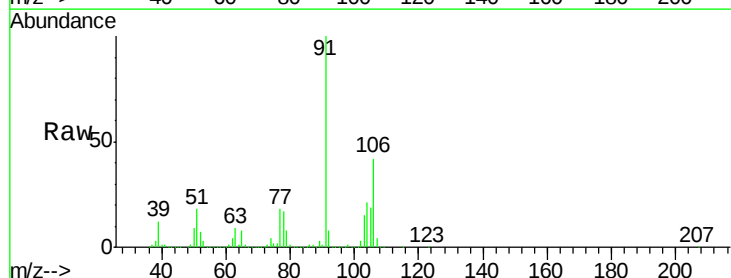
Manual Integrations
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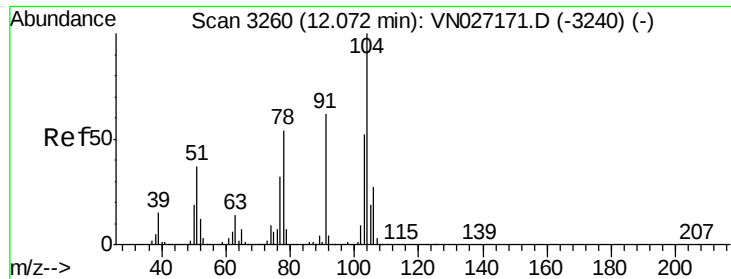
MMDadoda
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#70
o-Xylene
Concen: 46.38 ug/l
RT: 12.06 min Scan# 3255
Delta R.T. -0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Tgt Ion:106 Resp: 675623
Ion Ratio Lower Upper
106 100
91 234.4 110.7 331.9





#71

Stvrene

Concen: 47.45 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN027178.D

Acq: 15 Sep 2015 21:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:104 Resp: 1115756

Ion Ratio Lower Upper

104 100

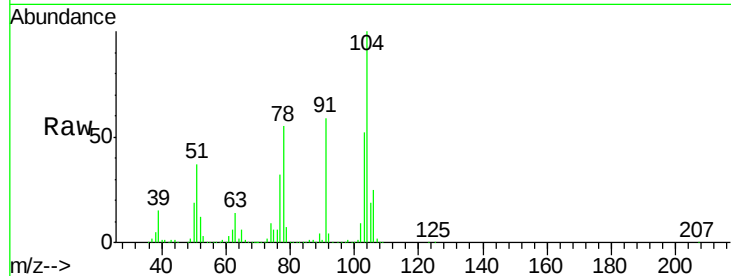
78 59.2 41.6 62.4

103 55.5 44.2 66.2

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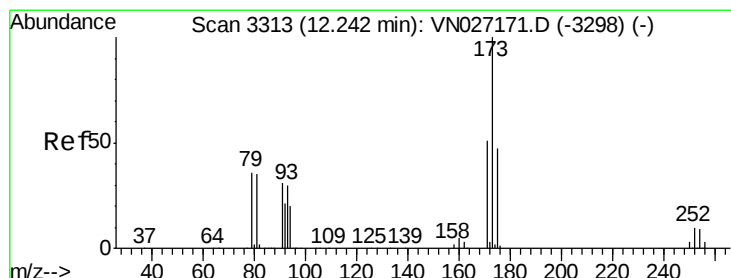
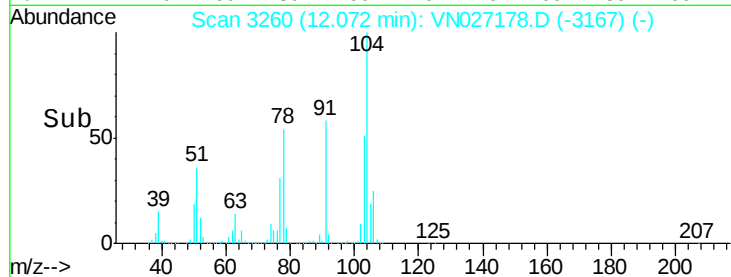
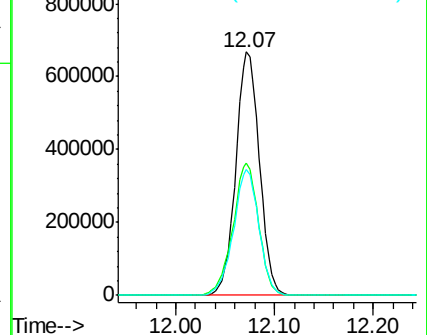
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Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

Bromoform

Concen: 46.53 ug/l

RT: 12.24 min Scan# 3313

Delta R.T. 0.00 min

Lab File: VN027178.D

Acq: 15 Sep 2015 21:57

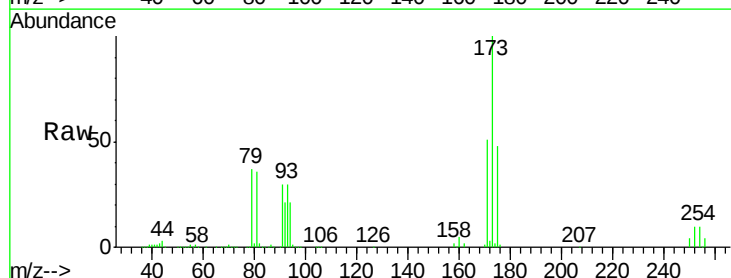
Tgt Ion:173 Resp: 245168

Ion Ratio Lower Upper

173 100

175 47.4 24.4 73.4

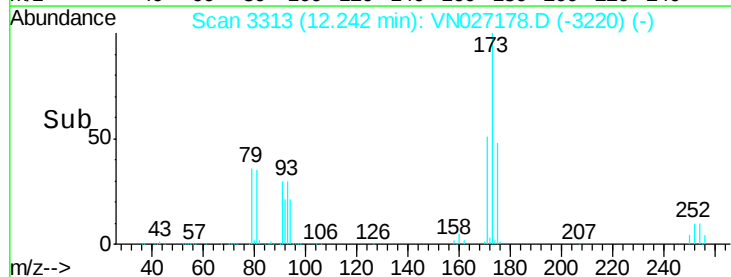
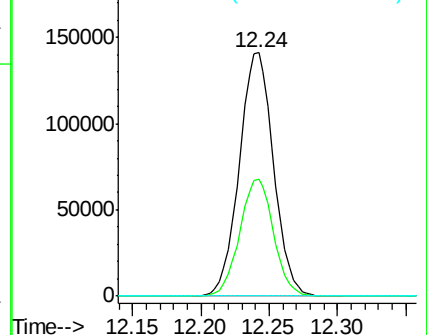
254 0.1 0.1 0.1#

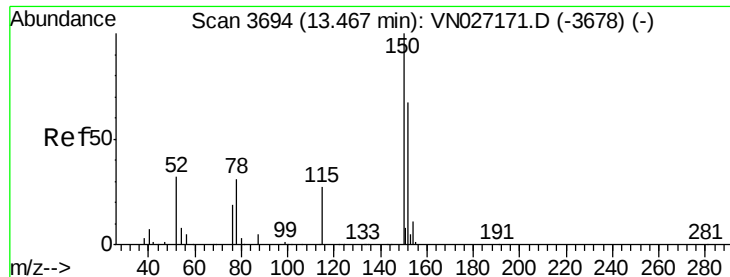


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027178.D

Acq: 15 Sep 2015 21:57

Instrument :

MSVOA_N

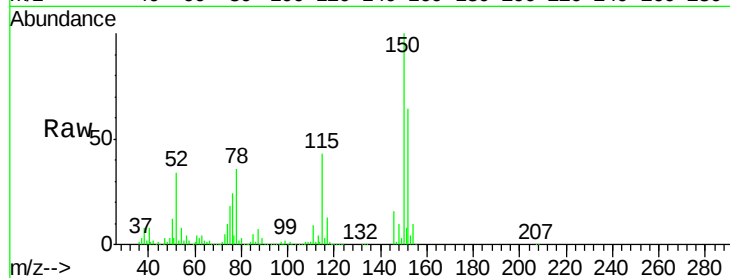
ClientSampleId :

VSTDCCC050

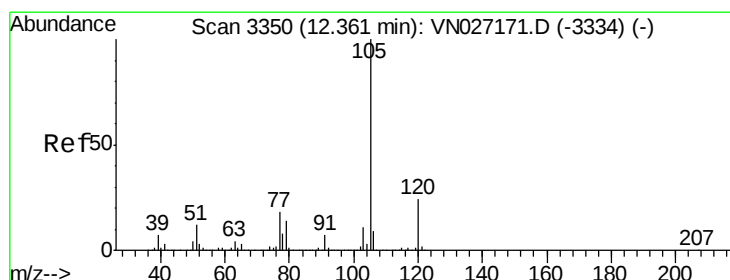
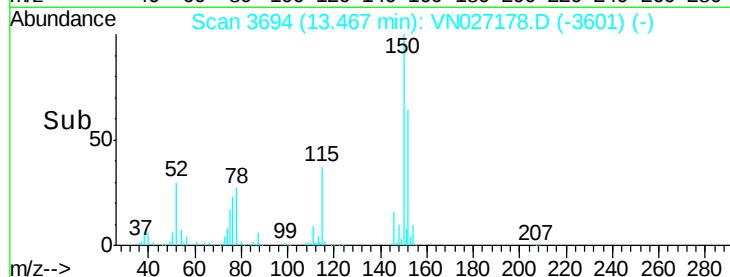
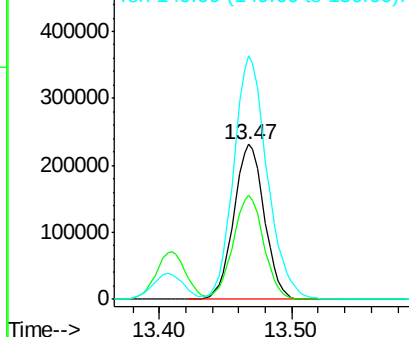
Tot Ion:	152	Resp:	369354
Ion Ratio	Lower	Upper	
152	100		
115	67.1	30.8	92.3
150	171.9	0.0	345.0

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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#74

Isopropylbenzene

Concen: 44.38 ug/l

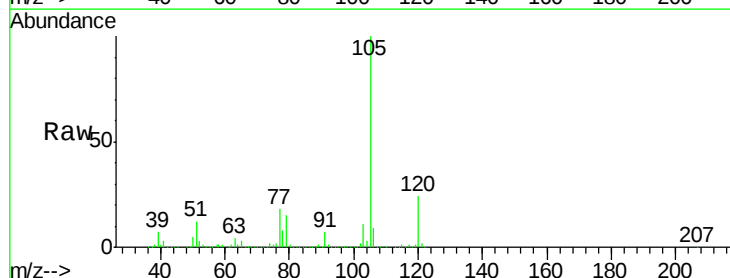
RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

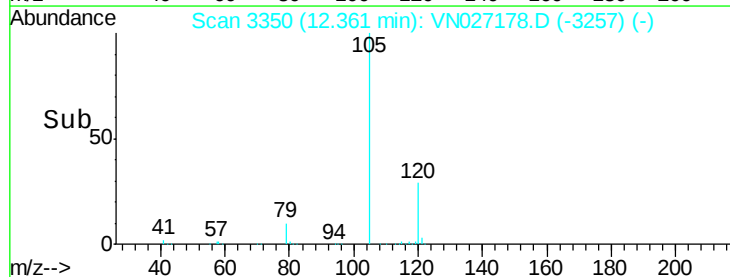
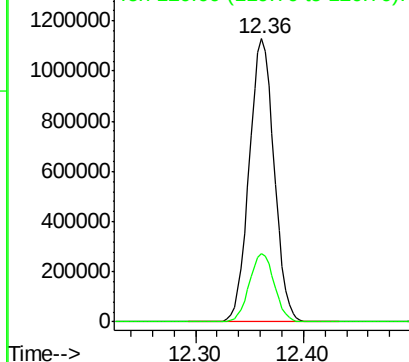
Lab File: VN027178.D

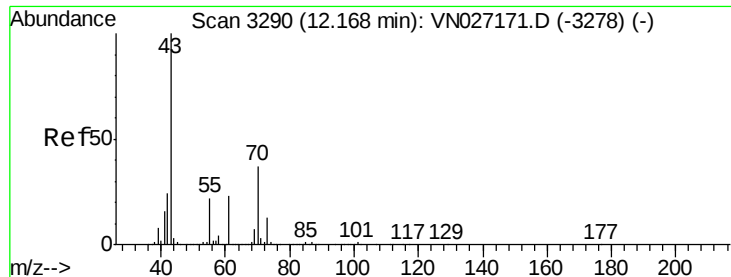
Acq: 15 Sep 2015 21:57

Tgt Ion:	105	Resp:	1806118
Ion Ratio	Lower	Upper	
105	100		
120	24.3	12.4	37.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#75

N-amvl acetate

Concen: 45.54 ug/l

RT: 12.17 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VN027178.D

Acq: 15 Sep 2015 21:57

Instrument :

MSVOA_N

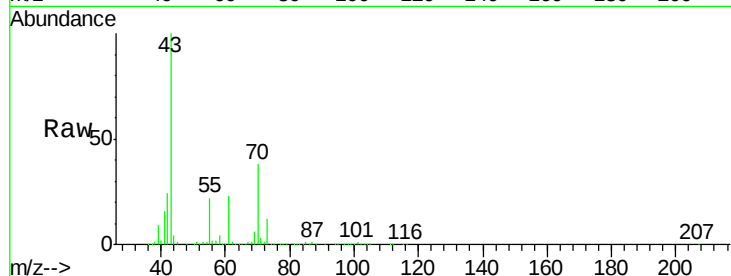
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		827223		
70	37.1	29.8	44.8		
55	22.0	19.4	29.0		
61	22.5	18.2	27.2		

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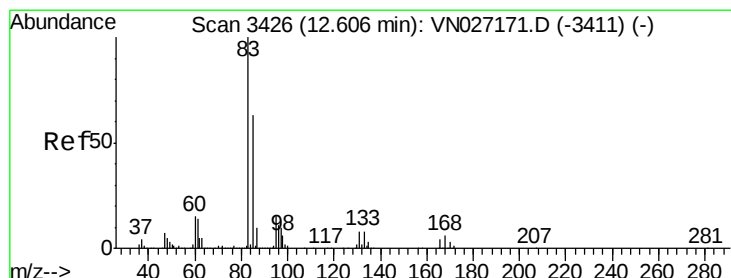
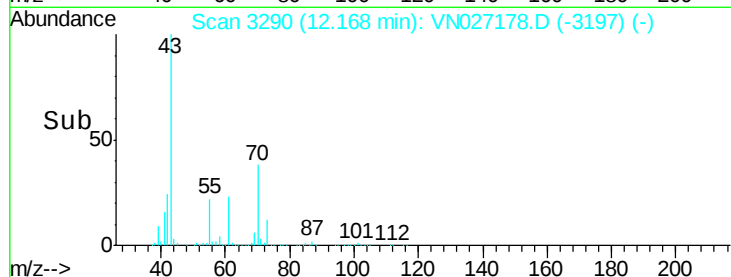
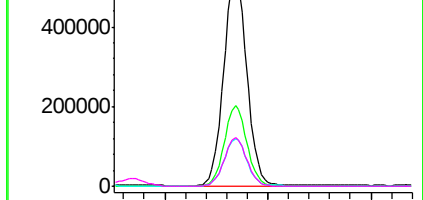


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,1,2,2-Tetrachloroethane

Concen: 49.28 ug/l

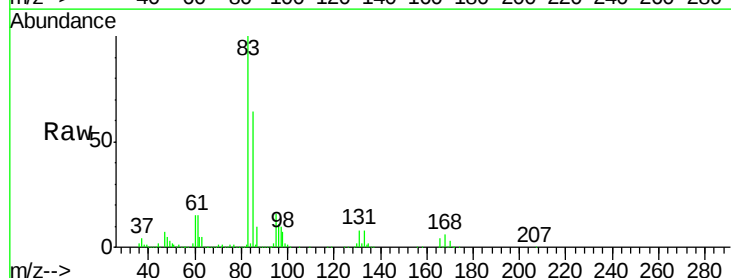
RT: 12.61 min Scan# 3426

Delta R.T. 0.00 min

Lab File: VN027178.D

Acq: 15 Sep 2015 21:57

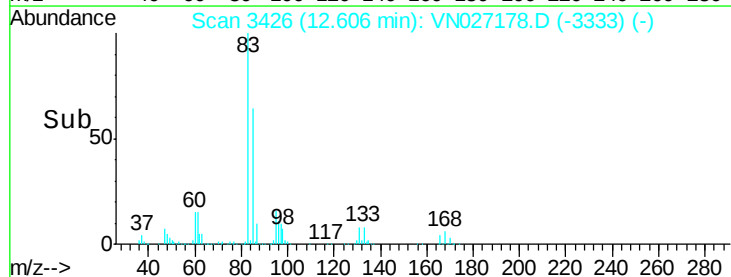
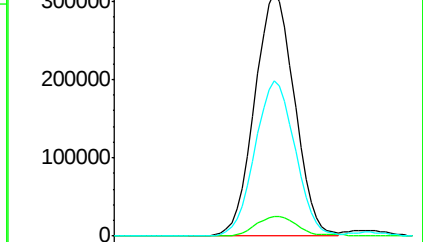
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		518287		
131	8.7	4.1	12.3		
85	64.4	31.9	95.7		

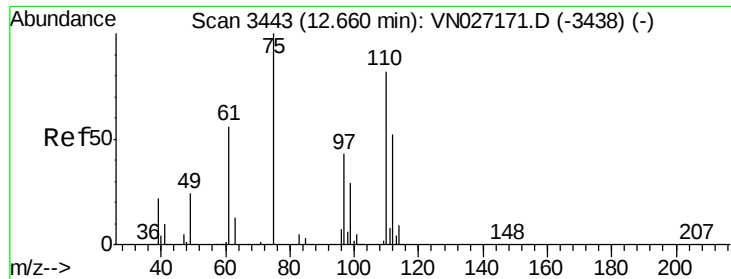


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#77

1,2,3-Trichloropropane

Concen: 40.26 ug/l m

RT: 12.66 min Scan# 3443

Delta R.T. 0.00 min

Lab File: VN027178.D

Acq: 15 Sep 2015 21:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 449435

Ion Ratio Lower Upper

75 100

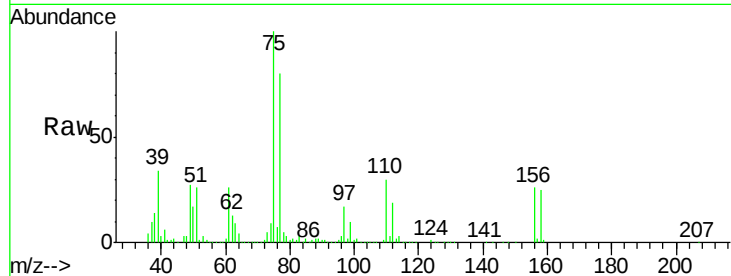
77 214.1 103.1 309.3

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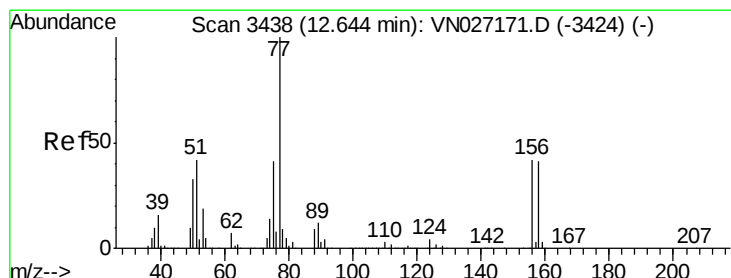
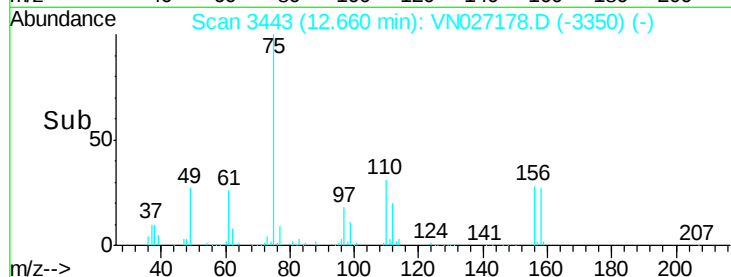
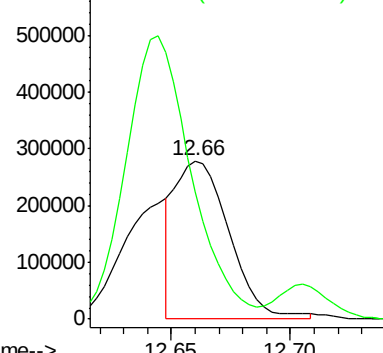
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

Bromobenzene

Concen: 44.23 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VN027178.D

Acq: 15 Sep 2015 21:57

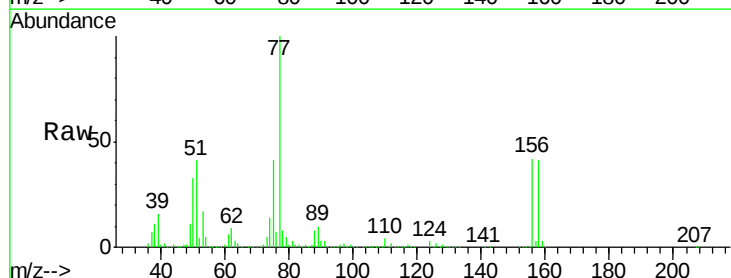
Tgt Ion: 156 Resp: 353023

Ion Ratio Lower Upper

156 100

77 272.5 127.3 381.9

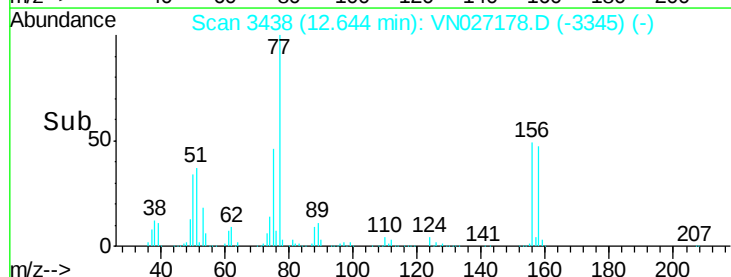
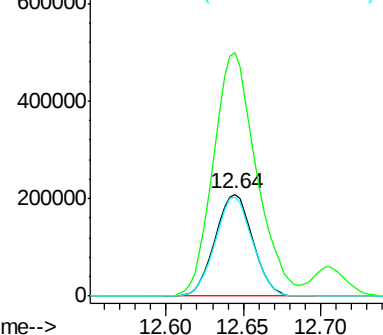
158 96.7 48.0 144.2

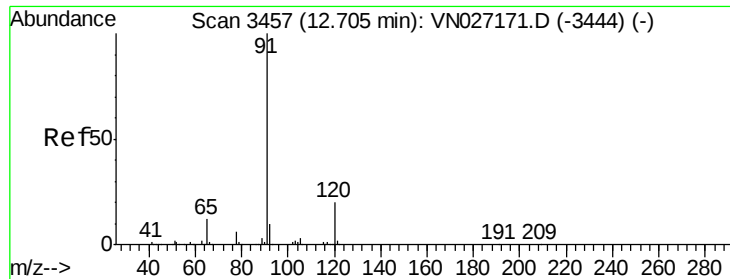


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





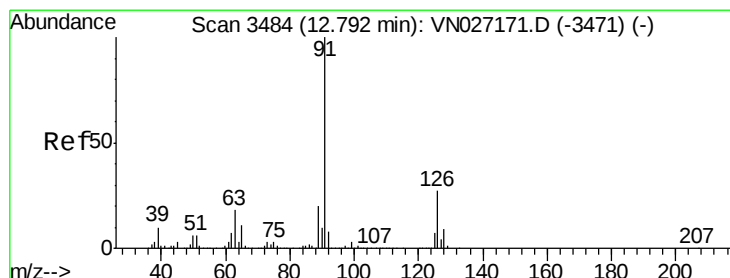
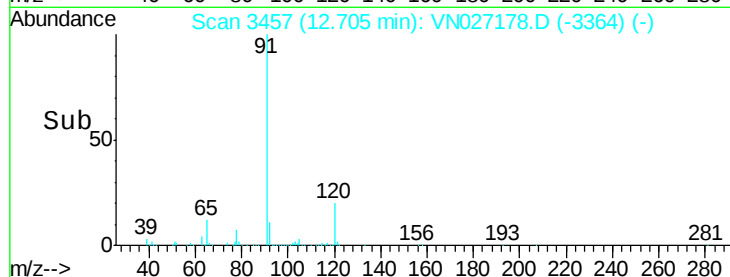
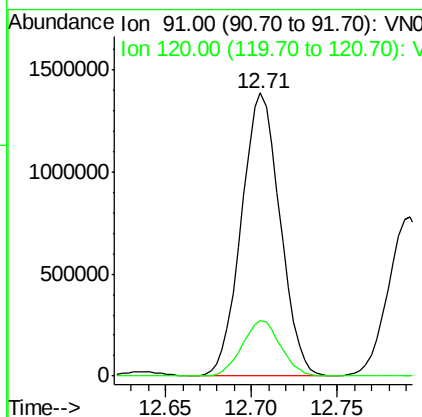
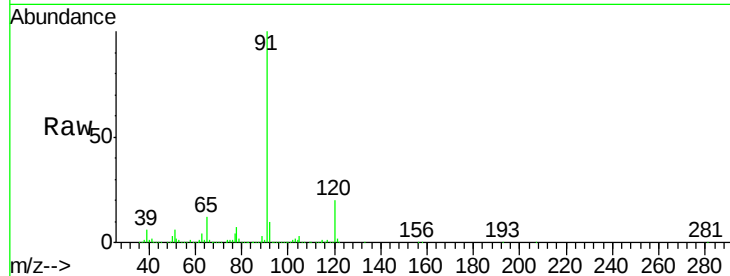
#79
n-propylbenzene
Concen: 44.98 ug/l
RT: 12.71 min Scan# 3457
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2154044
Ion Ratio Lower Upper
91 100
120 19.6 10.3 30.8

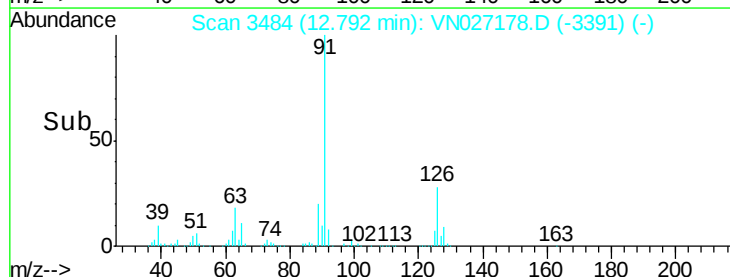
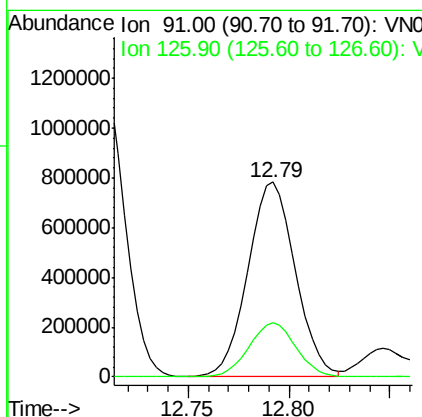
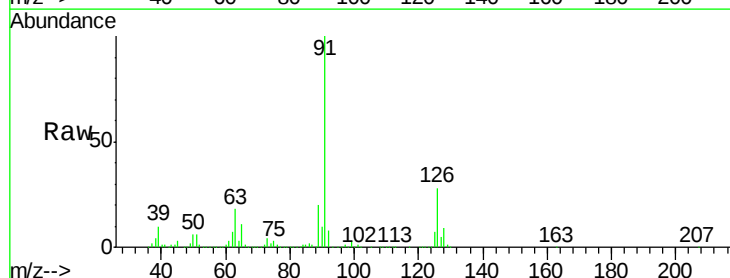
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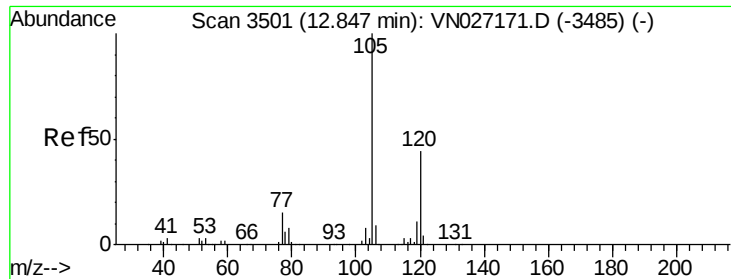
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#80
2-Chlorotoluene
Concen: 44.62 ug/l
RT: 12.79 min Scan# 3484
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Tgt Ion: 91 Resp: 1282912
Ion Ratio Lower Upper
91 100
126 27.8 15.2 45.5





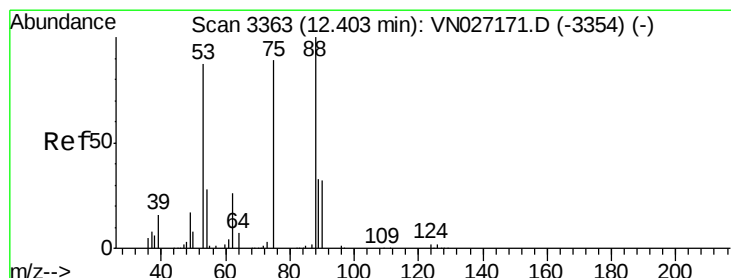
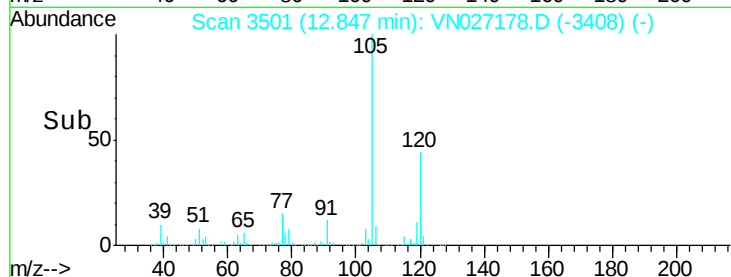
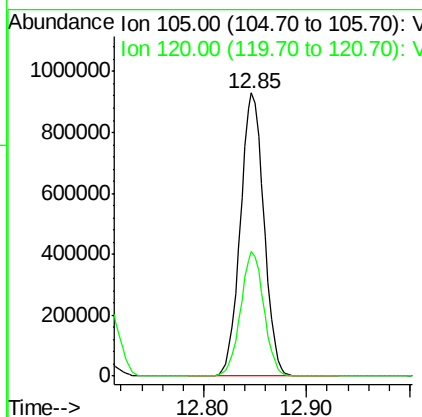
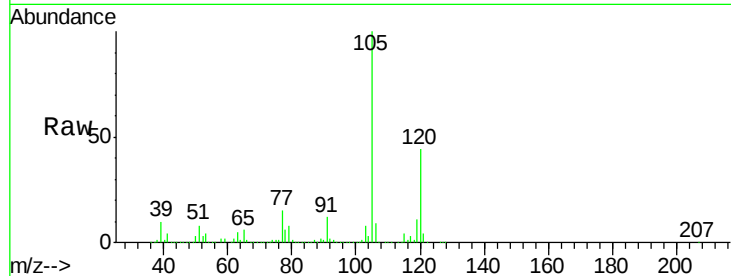
#81
 1,3,5-Trimethylbenzene
 Concen: 44.94 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: VN027178.D
 Acq: 15 Sep 2015 21:57

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:105 Resp: 1469385
 Ion Ratio Lower Upper
 105 100
 120 43.4 23.4 70.0

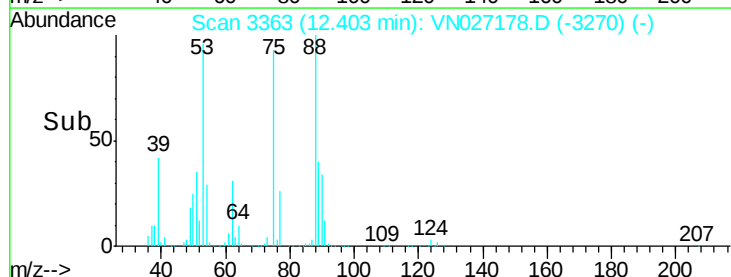
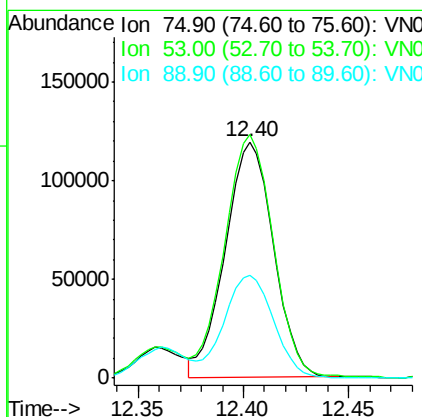
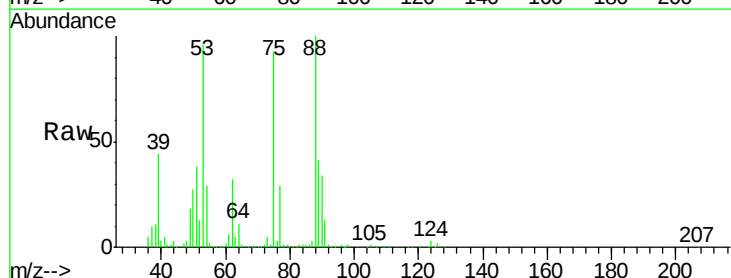
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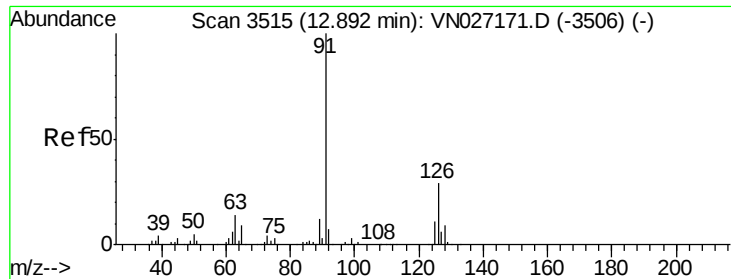
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#82
 trans-1,4-Dichloro-2-butene
 Concen: 41.54 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN027178.D
 Acq: 15 Sep 2015 21:57

Tgt Ion: 75 Resp: 188767
 Ion Ratio Lower Upper
 75 100
 53 104.9 92.9 139.3
 89 45.0 34.2 51.4





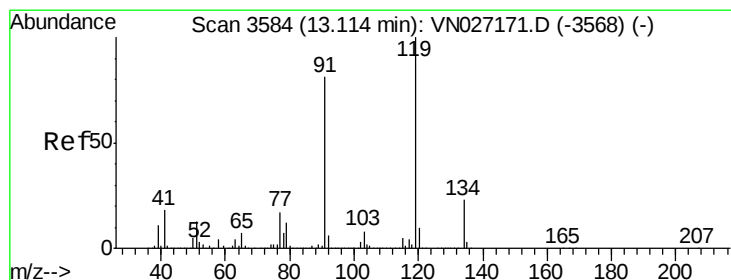
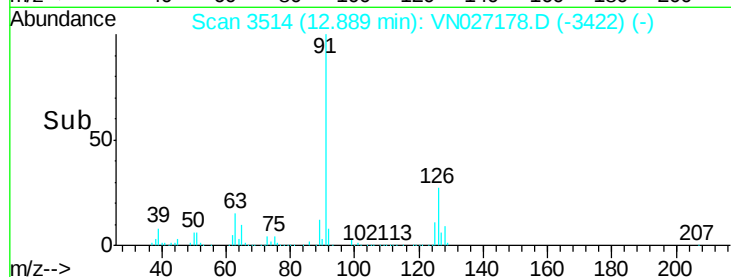
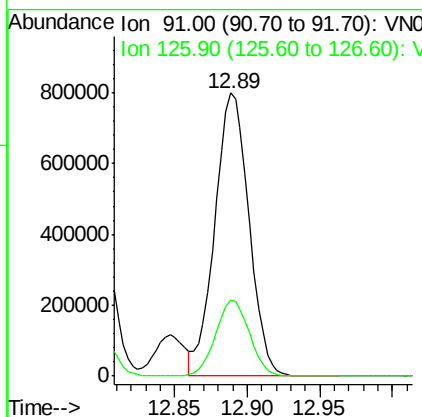
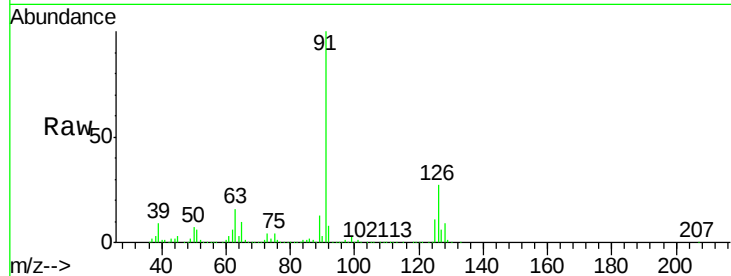
#83
4-Chlorotoluene
Concen: 46.09 ug/l
RT: 12.89 min Scan# 3514
Delta R.T. -0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1302174
Ion Ratio Lower Upper
91 100
126 26.8 14.9 44.5

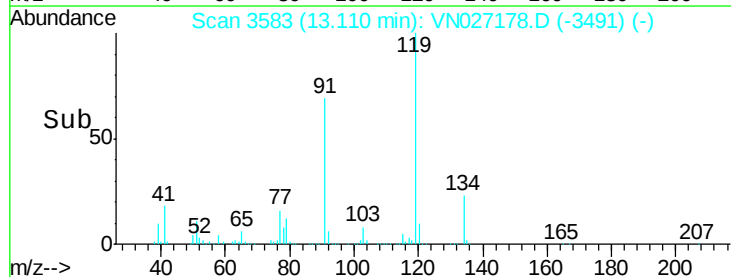
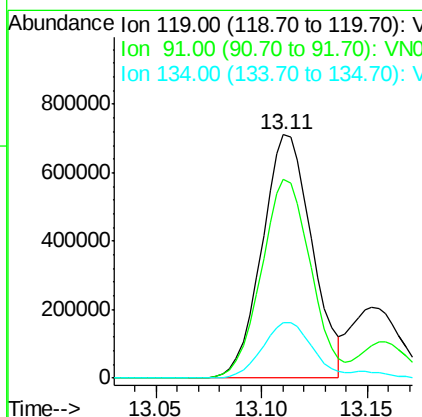
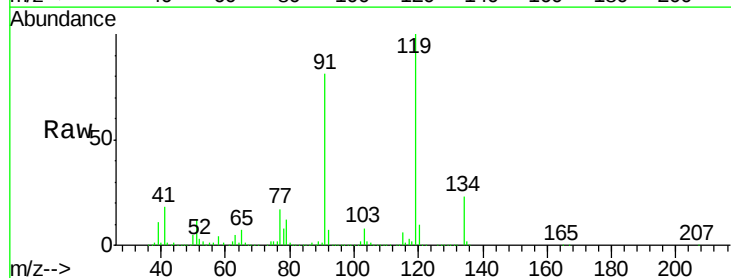
Manual Integrations
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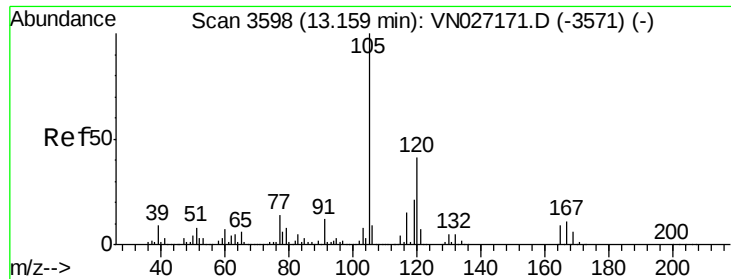
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#84
tert-Butylbenzene
Concen: 43.38 ug/l
RT: 13.11 min Scan# 3583
Delta R.T. -0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Tgt Ion: 119 Resp: 1170280
Ion Ratio Lower Upper
119 100
91 80.6 34.6 103.8
134 23.2 11.4 34.2





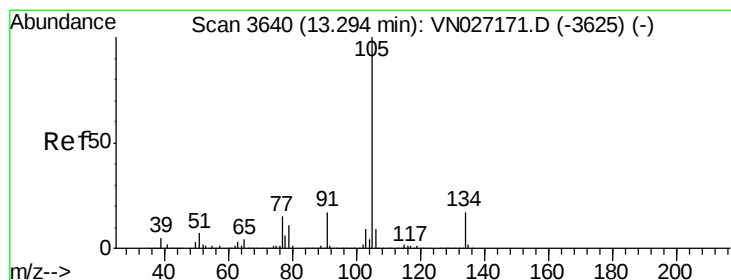
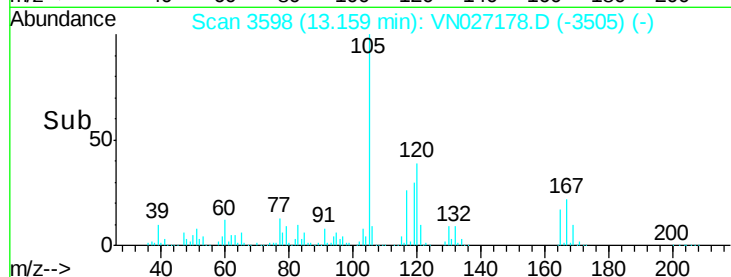
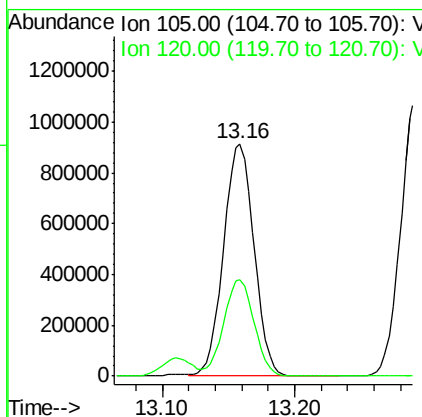
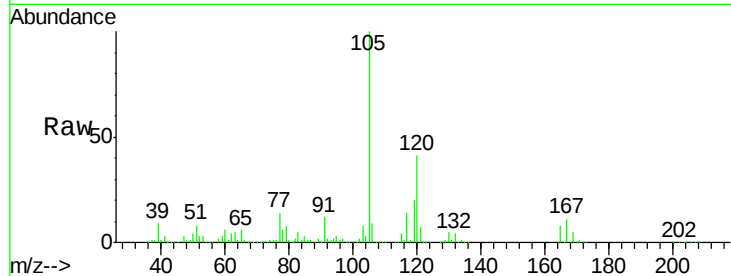
#85
 1,2,4-Trimethylbenzene
 Concen: 44.45 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027178.D
 Acq: 15 Sep 2015 21:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1459920
 Ion Ratio Lower Upper
 105 100
 120 41.3 21.9 65.5

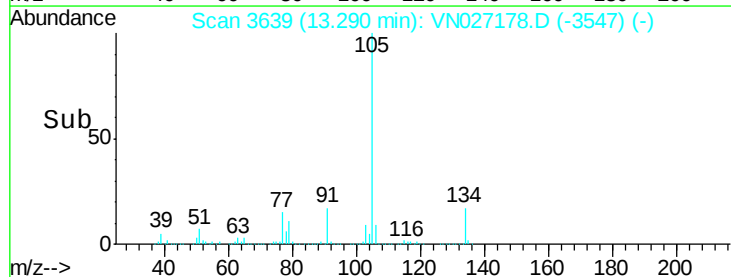
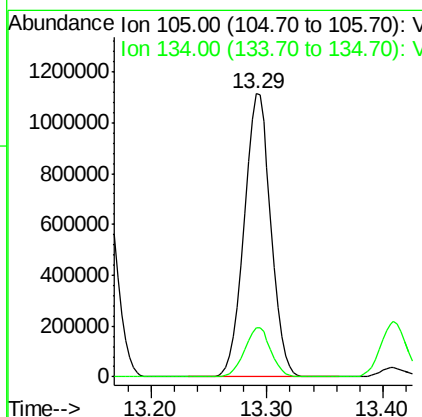
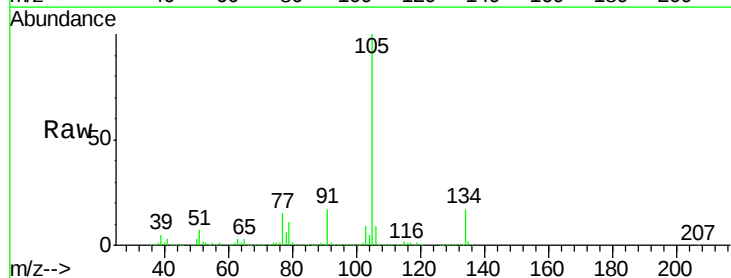
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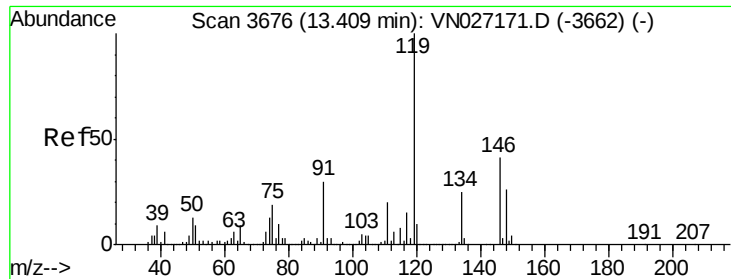
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#86
 sec-Butylbenzene
 Concen: 44.94 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN027178.D
 Acq: 15 Sep 2015 21:57

Tgt Ion:105 Resp: 1775996
 Ion Ratio Lower Upper
 105 100
 134 17.3 8.8 26.4





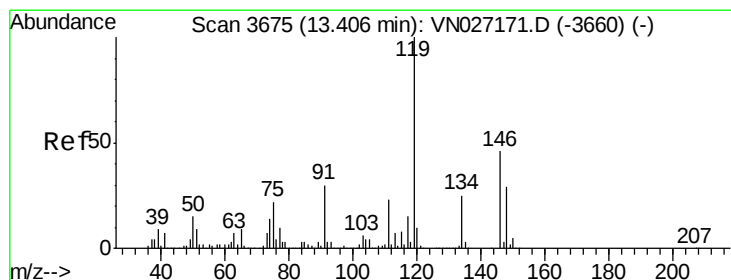
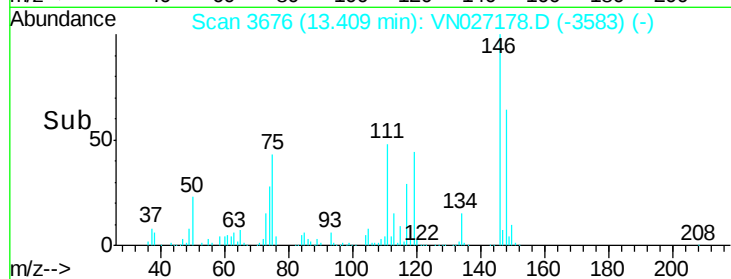
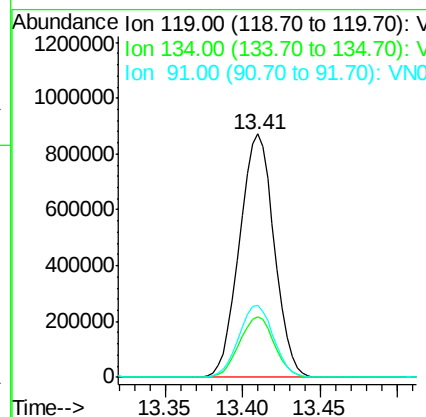
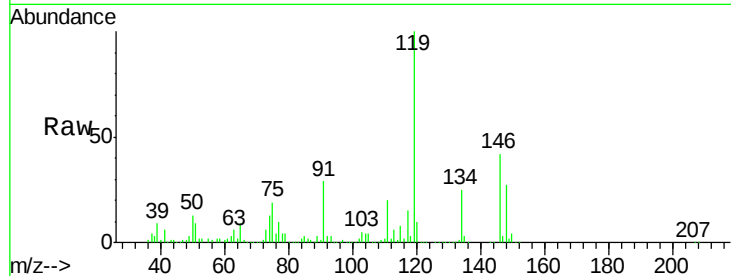
#87
 p-Isopropyltoluene
 Concen: 44.55 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027178.D
 Acq: 15 Sep 2015 21:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.4	37.0
91	29.5	12.0	36.1

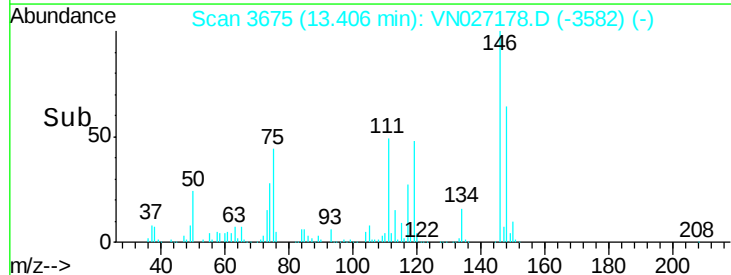
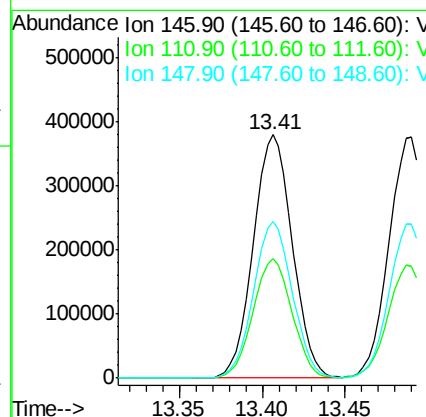
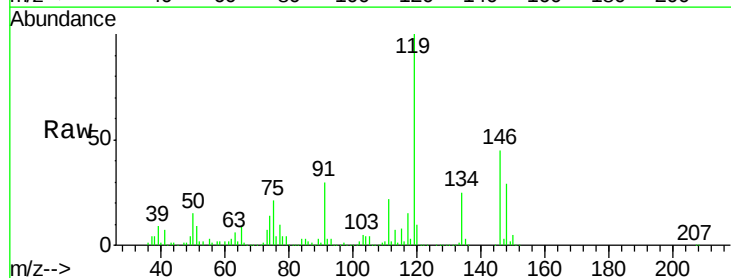
Manual Integrations
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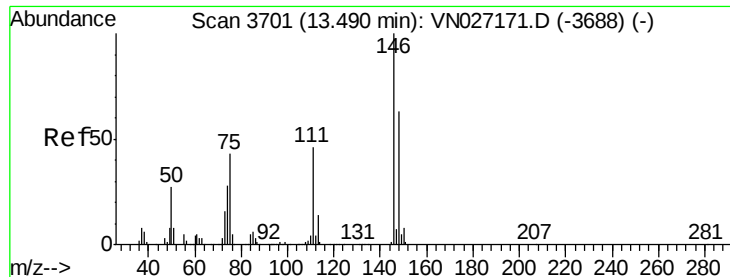
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#88
 1,3-Dichlorobenzene
 Concen: 45.41 ug/l
 RT: 13.41 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN027178.D
 Acq: 15 Sep 2015 21:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.9	21.0	63.0
148	63.7	31.9	95.9





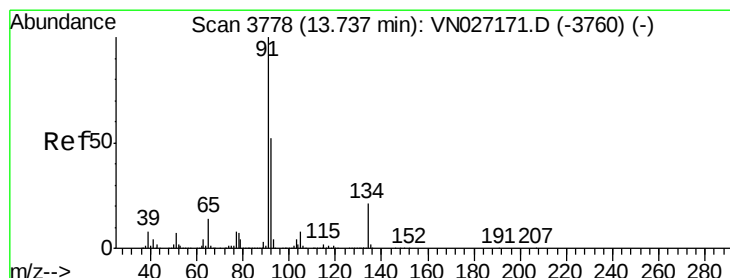
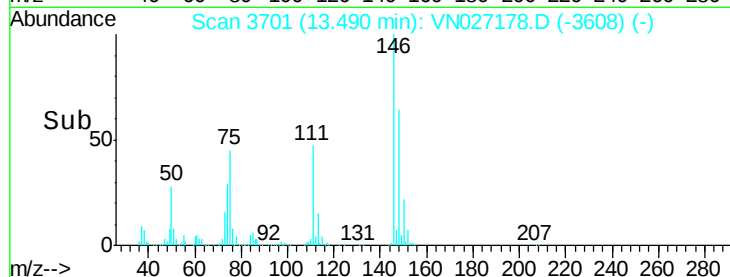
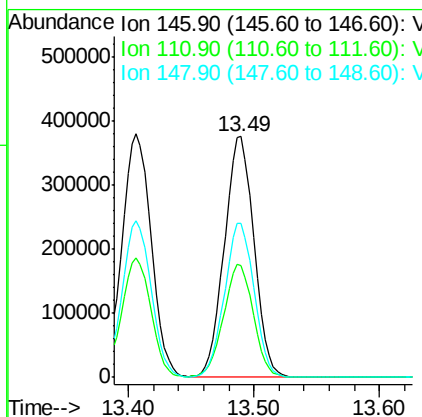
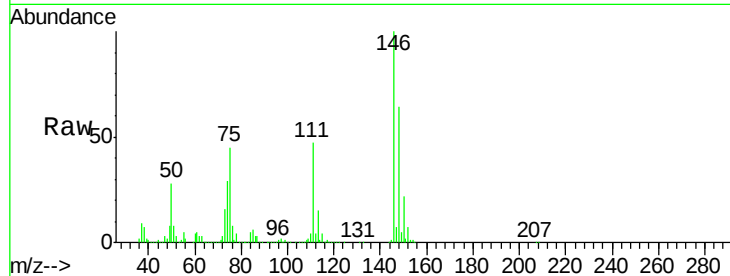
#89
 1,4-Dichlorobenzene
 Concen: 44.50 ug/l
 RT: 13.49 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VN027178.D
 Acq: 15 Sep 2015 21:57

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.7	19.9	59.6
148	63.6	31.7	95.1

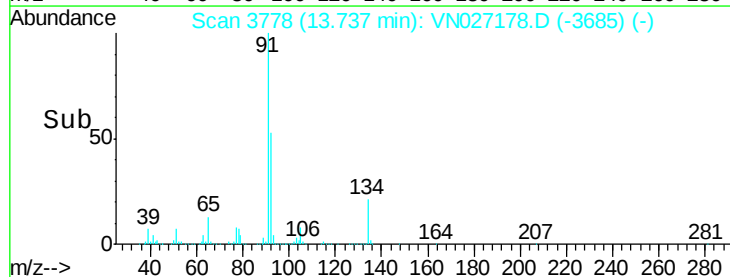
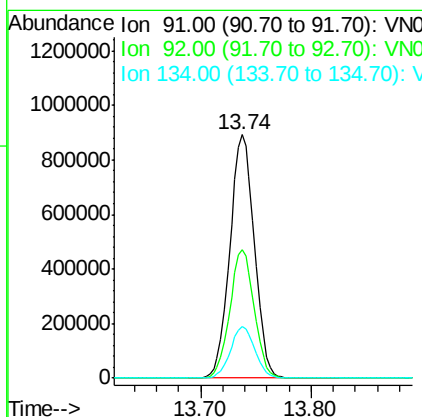
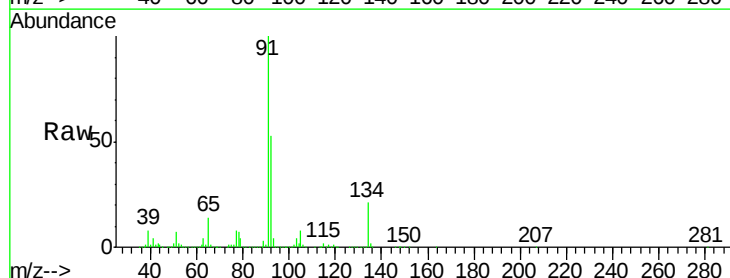
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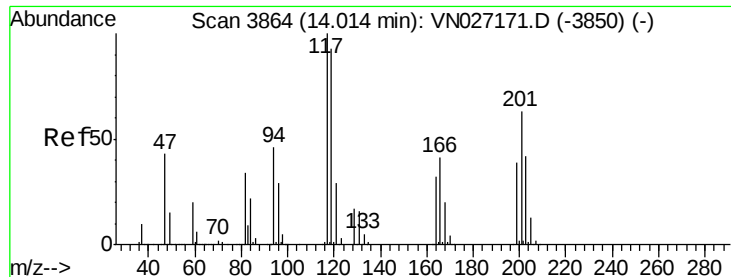
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#90
 n-Butylbenzene
 Concen: 46.35 ug/l
 RT: 13.74 min Scan# 3778
 Delta R.T. 0.00 min
 Lab File: VN027178.D
 Acq: 15 Sep 2015 21:57

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.1	78.2
134	21.1	11.1	33.1





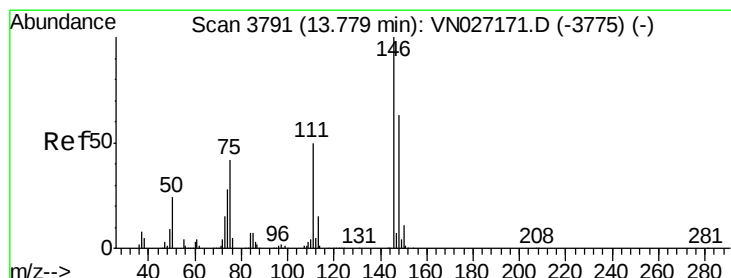
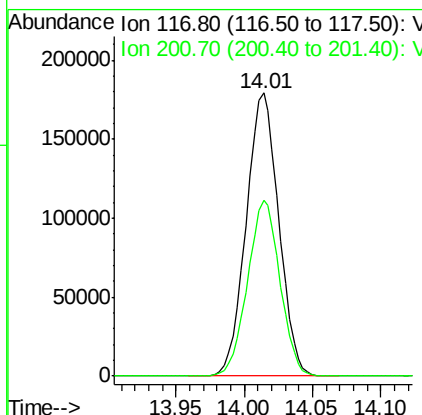
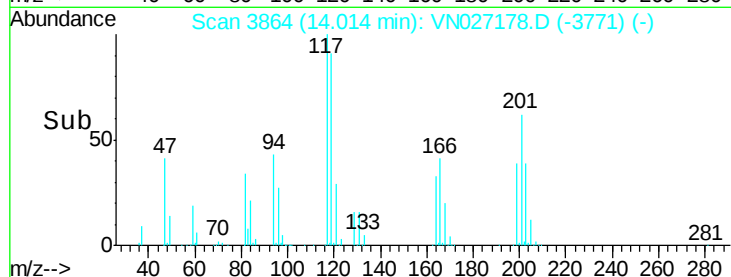
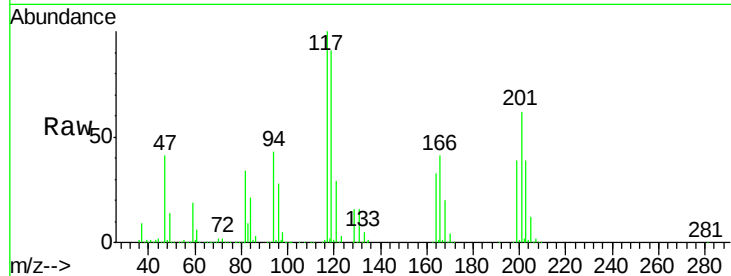
#91
Hexachloroethane
Concen: 44.65 ug/l
RT: 14.01 min Scan# 3864
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
201	61.6	34.9	104.7

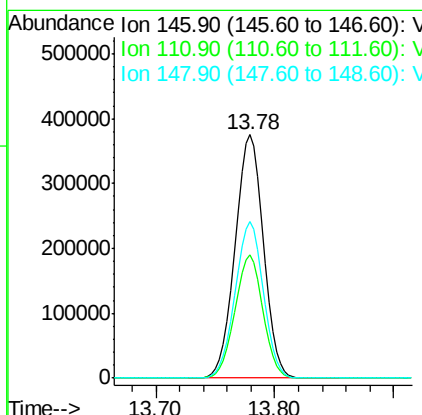
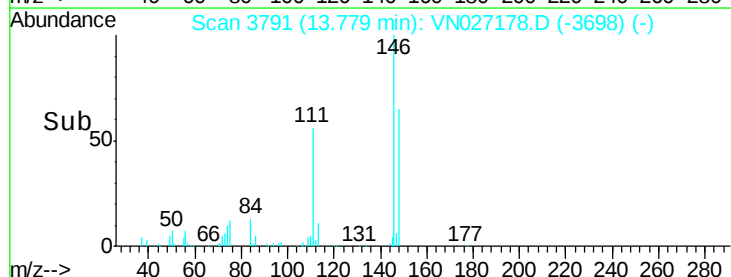
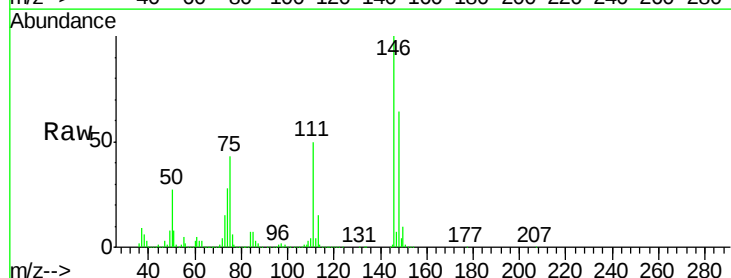
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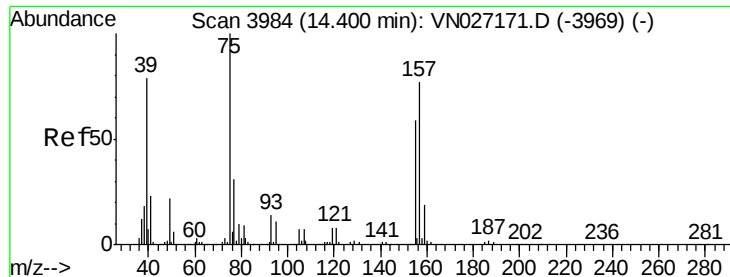
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#92
1,2-Dichlorobenzene
Concen: 45.79 ug/l
RT: 13.78 min Scan# 3791
Delta R.T. 0.00 min
Lab File: VN027178.D
Acq: 15 Sep 2015 21:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.9	22.1	66.3
148	64.1	32.0	96.0





#93

1,2-Dibromo-3-Chloropropane

Concen: 47.37 ug/l

RT: 14.40 min Scan# 3983

Delta R.T. -0.00 min

Lab File: VN027178.D

Acq: 15 Sep 2015 21:57

Instrument :

MSVOA_N

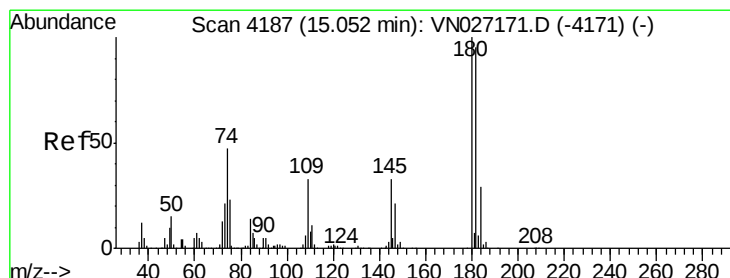
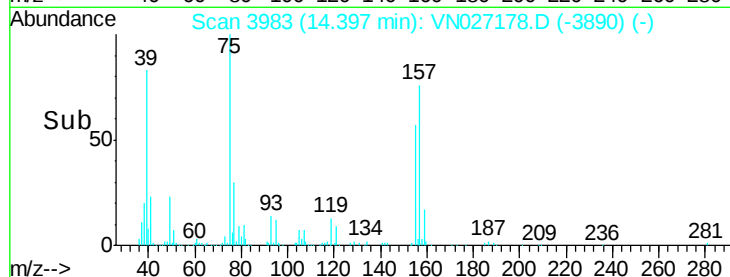
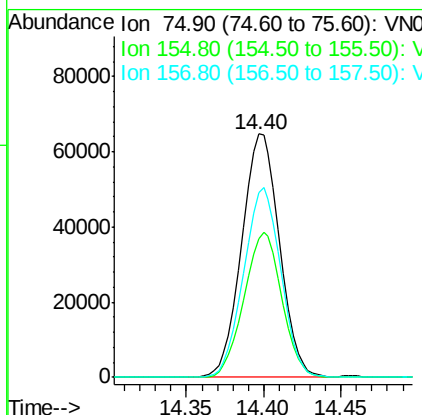
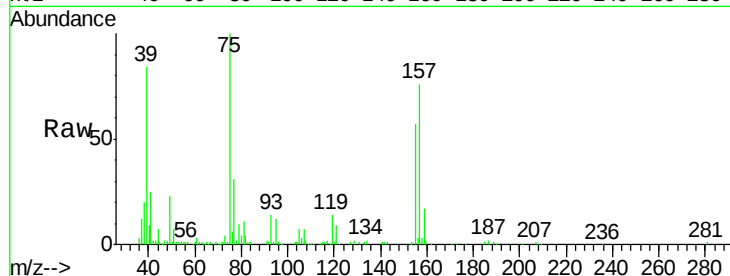
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	110272
Ion Ratio	Lower	Upper	
75	100		
155	59.4	35.6	106.9
157	76.7	44.6	133.8

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#94

1,2,4-Trichlorobenzene

Concen: 47.11 ug/l

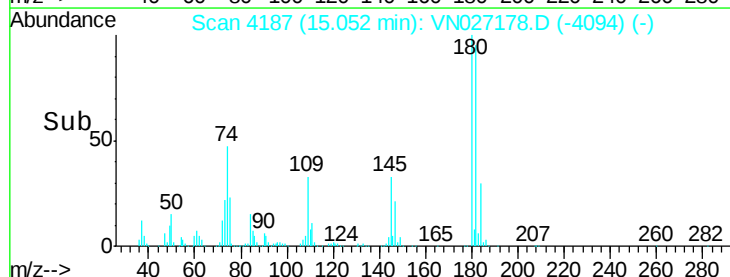
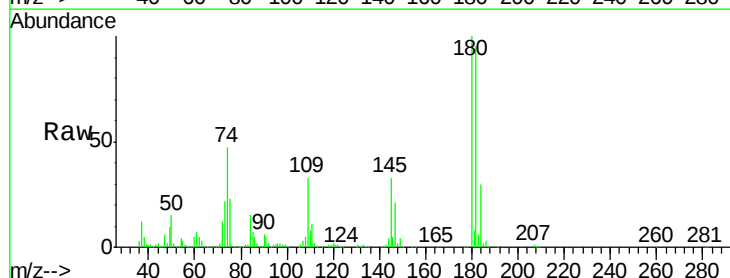
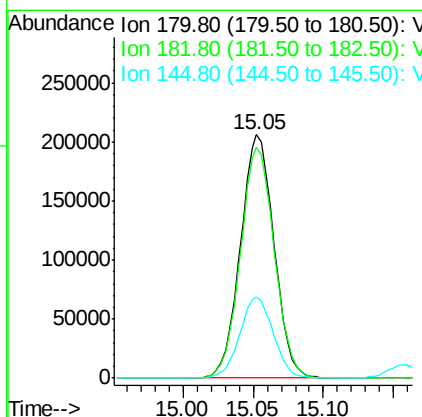
RT: 15.05 min Scan# 4187

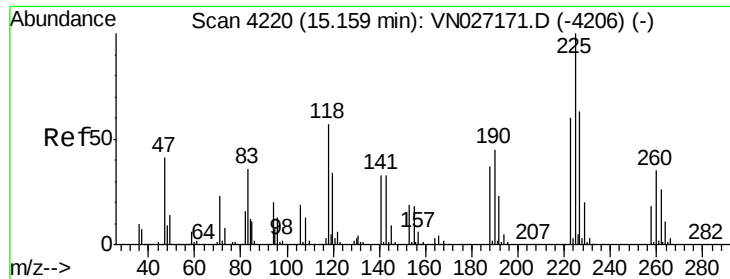
Delta R.T. 0.00 min

Lab File: VN027178.D

Acq: 15 Sep 2015 21:57

Tgt Ion:	180	Resp:	343507
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.5	142.5
145	33.4	15.1	45.3





#95

Hexachlorobutadiene

Concen: 45.54 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. 0.00 min

Lab File: VN027178.D

Acq: 15 Sep 2015 21:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:225 Resp: 174877
Ion Ratio Lower Upper

225 100

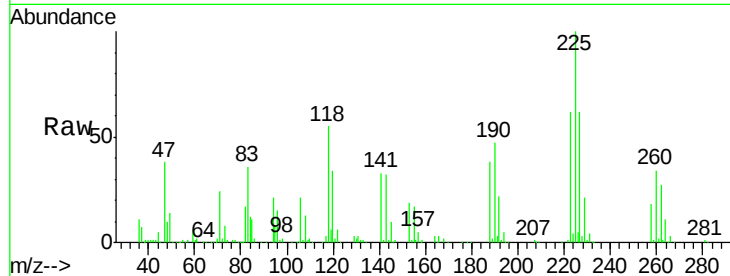
223 62.4 30.8 92.3

227 63.7 31.7 95.1

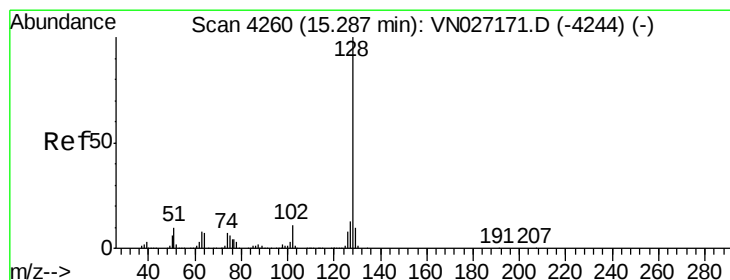
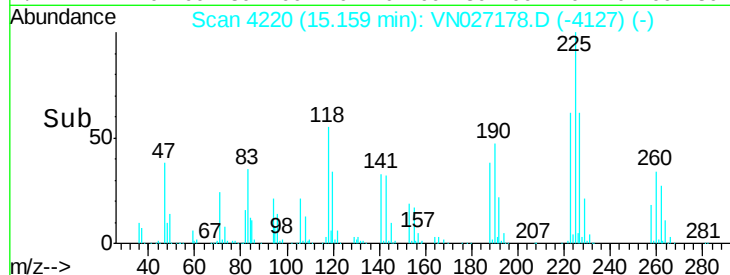
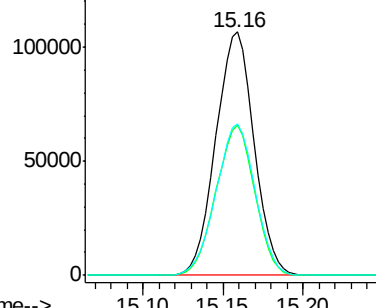
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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#96

Naphthalene

Concen: 47.78 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN027178.D

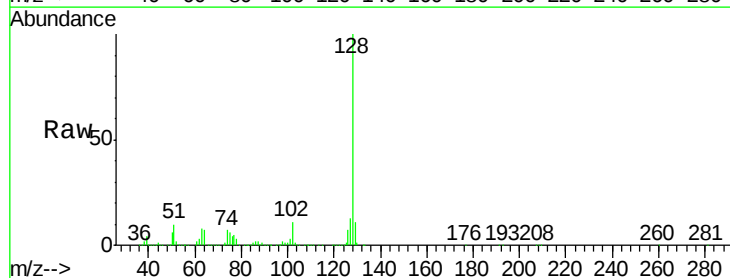
Acq: 15 Sep 2015 21:57

Tgt Ion:128 Resp: 1021387
Ion Ratio Lower Upper

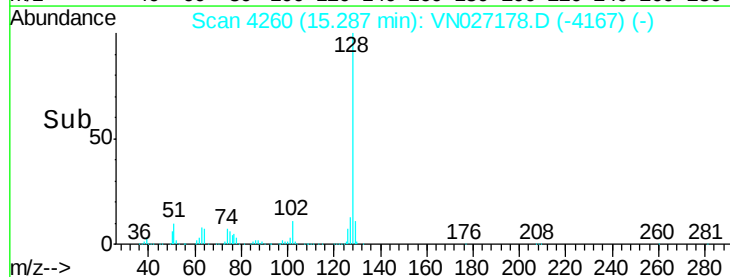
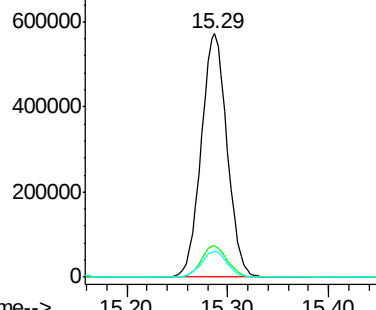
128 100

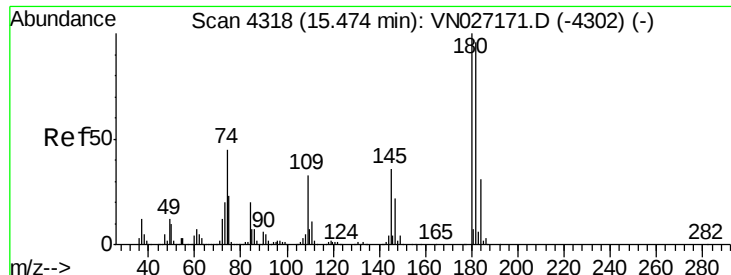
127 12.9 10.4 15.6

129 10.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#97
 1,2,3-Trichlorobenzene
 Concen: 46.98 ug/l
 RT: 15.47 min Scan# 4318
 Delta R.T. 0.00 min
 Lab File: VN027178.D
 Acq: 15 Sep 2015 21:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	94.7	48.8	146.4
145	35.3	16.6	49.8

Manual Integrations
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