

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
 Data File : VN027176.D
 Acq On : 15 Sep 2015 20:34
 Operator : MD\FY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091515

Manual Integrations
 APPROVED

MMDadoda
 9/16/2015 11:47:29 AM

Quant Time: Sep 16 01:39:34 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	580053	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1088878	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	933180	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	360732	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	569783	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
36) Dibromofluoromethane	7.68	113	361982	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
51) Toluene-d8	10.19	98	1399390	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
63) 4-Bromofluorobenzene	12.52	95	500726	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	327927	47.25	ug/l	99
3) Chlorodifluoromethane	1.82	51	399826	49.78	ug/l	95
4) Chloromethane	2.01	50	374520	48.22	ug/l	100
5) Vinyl Chloride	2.14	62	387548	47.28	ug/l	100
6) Bromomethane	2.54	94	189859	47.27	ug/l	99
7) Chloroethane	2.68	64	256724	46.07	ug/l	99
8) Trichlorofluoromethane	3.02	101	581603	46.97	ug/l	98
9) Diethyl Ether	3.42	74	272342	47.80	ug/l	85
10) 1,1,2-Trichlorotrifluoroet	3.79	101	365668	47.02	ug/l	96
11) Methyl Iodide	3.99	142	388037	51.34	ug/l	93
12) Tert butyl alcohol	4.80	59	276926	238.28	ug/l	96
13) 1,1-Dichloroethene	3.77	96	346796	46.56	ug/l	94
14) Acrolein	3.62	56	370248	271.19	ug/l	96
15) Allyl chloride	4.37	41	717210	47.68	ug/l	# 85
16) Acrylonitrile	5.02	53	957284	251.89	ug/l	99
17) Acetone	3.82	43	757530	236.41	ug/l	96
18) Carbon Disulfide	4.11	76	1098419	45.29	ug/l	98
19) Methyl Acetate	4.36	43	1169178	50.38	ug/l	96
20) Methyl tert-butyl Ether	5.11	73	1412704	47.25	ug/l	96
21) Methylene Chloride	4.60	84	424533	47.56	ug/l	97
22) trans-1,2-Dichloroethene	5.12	96	375098	46.56	ug/l	95
23) Diisopropyl ether	6.03	45	1490846	47.24	ug/l	90
24) Vinyl Acetate	5.97	43	2603943m	249.27	ug/l	
25) 1,1-Dichloroethane	5.93	63	848506	46.28	ug/l	100
26) 2-Butanone	6.91	43	1184035	245.38	ug/l	96
27) 2,2-Dichloropropane	6.92	77	695631	43.73	ug/l	94
28) cis-1,2-Dichloroethene	6.92	96	437641	47.37	ug/l	93
29) Bromochloromethane	7.29	49	341281	47.95	ug/l	97
30) Tetrahydrofuran	7.31	42	762482	229.28	ug/l	92
31) Chloroform	7.46	83	790982	47.75	ug/l	99
32) Cyclohexane	7.77	56	791724	48.48	ug/l	92
33) 1,1,1-Trichloroethane	7.67	97	704306	47.68	ug/l	97
37) 1,1-Dichloropropene	7.89	75	610853	47.92	ug/l	98
38) Ethyl Acetate	7.02	43	544755	50.28	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	566448	47.27	ug/l	99
40) Methylcyclohexane	9.19	83	727139	46.84	ug/l	99
41) Benzene	8.14	78	1752194	47.11	ug/l	99
42) Methacrylonitrile	7.24	41	302009	49.02	ug/l #	90
43) 1,2-Dichloroethane	8.22	62	711165	47.47	ug/l	94
44) Isopropyl Acetate	8.25	43	994328	48.82	ug/l	99
45) Trichloroethene	8.93	130	357153	47.81	ug/l	90
46) 1,2-Dichloropropane	9.21	63	492513	46.03	ug/l	99
47) Dibromomethane	9.31	93	292805	46.61	ug/l	92
48) Bromodichloromethane	9.49	83	628834	47.50	ug/l	98
49) Methyl methacrylate	9.29	41	486363	47.93	ug/l #	89
50) 1,4-Dioxane	9.30	88	111928	940.40	ug/l	96
52) 4-Methyl-2-Pentanone	10.07	43	2555560	237.30	ug/l	99
53) Toluene	10.26	92	1028654	47.22	ug/l	97
54) t-1,3-Dichloropropene	10.47	75	705231	47.43	ug/l	100
55) cis-1,3-Dichloropropene	9.93	75	751918	46.49	ug/l	92
56) 1,1,2-Trichloroethane	10.66	97	391887	47.87	ug/l	98
57) Ethyl methacrylate	10.52	69	659133	47.77	ug/l #	91
58) 1,3-Dichloropropane	10.81	76	722018	47.51	ug/l	98
59) 2-Chloroethyl Vinyl ether	9.78	63	1612901	254.61	ug/l	98
60) 2-Hexanone	10.84	43	1745044	238.00	ug/l	100
61) Dibromochloromethane	11.00	129	398164	47.62	ug/l	100
62) 1,2-Dibromoethane	11.11	107	382532	47.55	ug/l	100
65) Tetrachloroethene	10.74	164	273367	45.81	ug/l	93
66) Chlorobenzene	11.54	112	1022801	46.43	ug/l	100
67) 1,1,1,2-Tetrachloroethane	11.62	131	351684	46.80	ug/l	99
68) Ethyl Benzene	11.62	91	1938322	46.40	ug/l	100
69) m/p-Xylenes	11.73	106	1355687	94.06	ug/l	91
70) o-Xylene	12.06	106	675935	46.78	ug/l	92
71) Styrene	12.07	104	1118039	47.93	ug/l	94
72) Bromoform	12.24	173	247755	47.41	ug/l #	99
74) Isopropylbenzene	12.36	105	1823405	45.87	ug/l	99
75) N-amyl acetate	12.17	43	839001	47.29	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	527656	51.52	ug/l	98
77) 1,2,3-Trichloropropane	12.66	75	458527m	42.06	ug/l	
78) Bromobenzene	12.64	156	356008	45.67	ug/l	93
79) n-propylbenzene	12.71	91	2172469	46.45	ug/l	98
80) 2-Chlorotoluene	12.79	91	1297296	46.20	ug/l	96
81) 1,3,5-Trimethylbenzene	12.85	105	1469265	46.01	ug/l	94
82) trans-1,4-Dichloro-2-buten	12.40	75	197705	44.54	ug/l	91
83) 4-Chlorotoluene	12.89	91	1295518	46.95	ug/l	96
84) tert-Butylbenzene	13.11	119	1170865	44.44	ug/l	88
85) 1,2,4-Trimethylbenzene	13.16	105	1458193	45.46	ug/l	96
86) sec-Butylbenzene	13.29	105	1780253	46.12	ug/l	99
87) p-Isopropyltoluene	13.41	119	1367934	46.01	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	622831	46.69	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	618996	45.82	ug/l	96
90) n-Butylbenzene	13.74	91	1367711	47.41	ug/l	99
91) Hexachloroethane	14.01	117	293629	45.13	ug/l	92
92) 1,2-Dichlorobenzene	13.78	146	615298	46.68	ug/l	96

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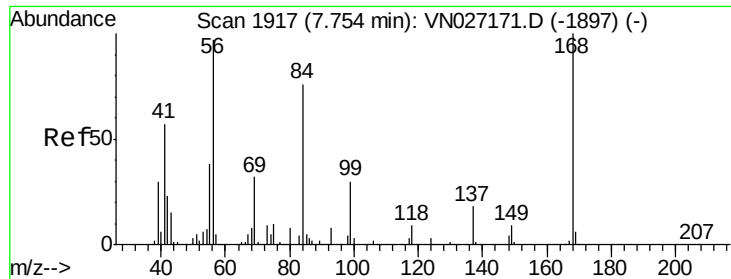
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	110177	48.49	ug/l	87
94) 1,2,4-Trichlorobenzene	15.05	180	345992	48.59	ug/l	98
95) Hexachlorobutadiene	15.16	225	176874	47.16	ug/l	98
96) Naphthalene	15.29	128	1041215	49.88	ug/l	100
97) 1,2,3-Trichlorobenzene	15.47	180	342410	48.37	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

Instrument :

MSVOA_N

ClientSampleId :

ICVFN091515

Tot Ion:168 Resp: 580053

Ion Ratio Lower Upper

168 100

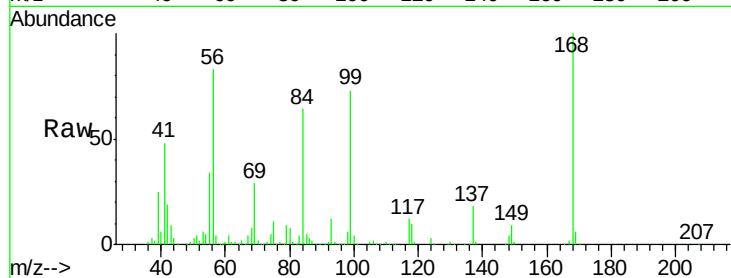
99 72.8 50.4 75.6

Manual Integrations

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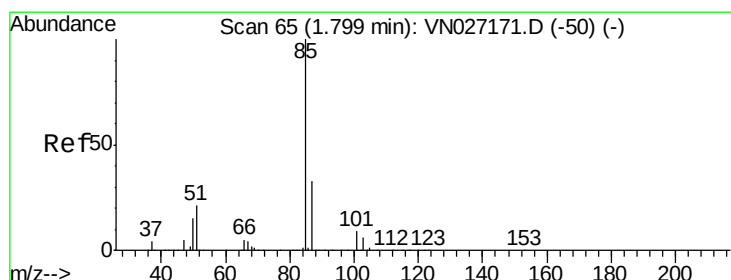
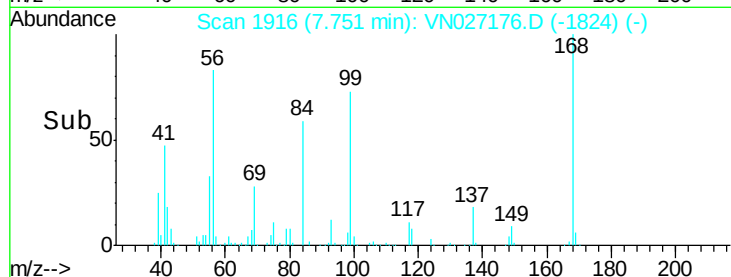
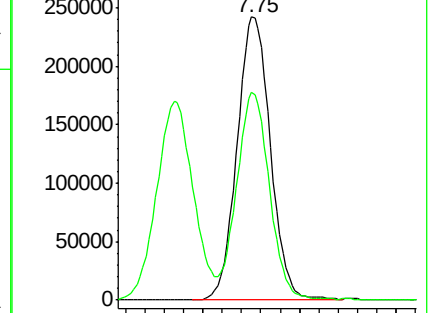
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.25 ug/l

RT: 1.80 min Scan# 64

Delta R.T. -0.00 min

Lab File: VN027176.D

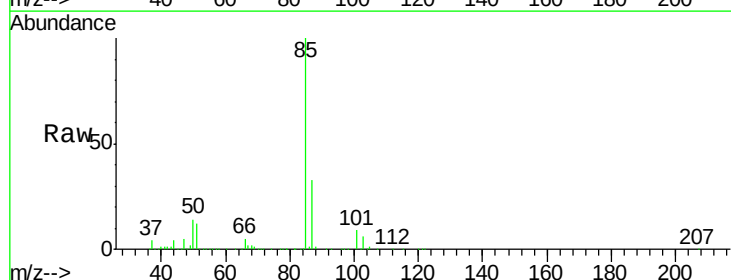
Acq: 15 Sep 2015 20:34

Tgt Ion: 85 Resp: 327927

Ion Ratio Lower Upper

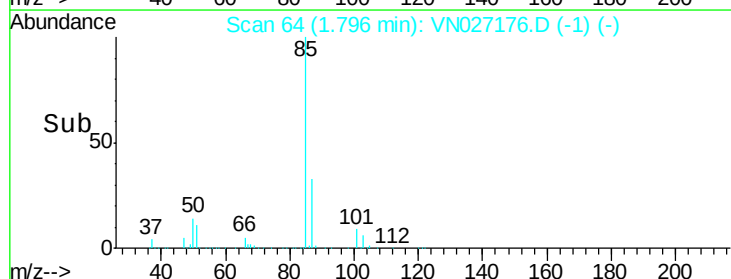
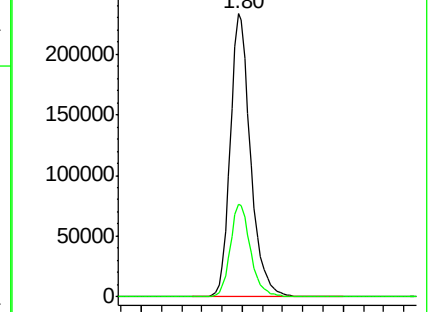
85 100

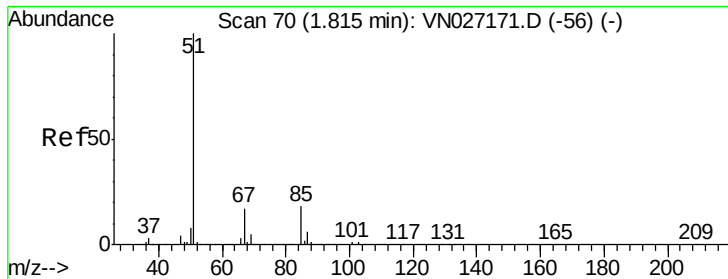
87 32.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chlorodifluoromethane

Concen: 49.78 ug/l

RT: 1.82 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

Tot Ion: 51 Resp: 399826

Ion Ratio Lower Upper

51 100

67 17.4 12.2 18.2

Instrument :

MSVOA_N

ClientSampleId :

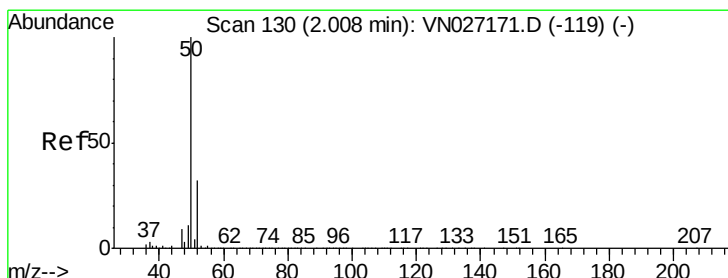
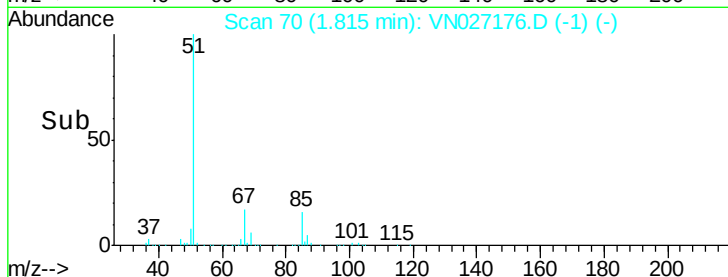
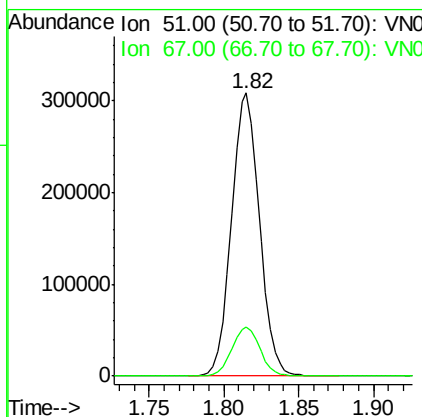
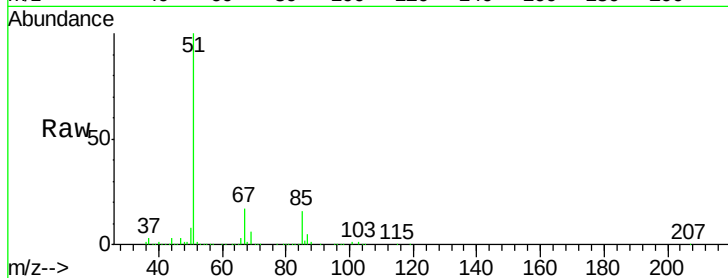
ICVVN091515

Manual Integrations

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#4

Chloromethane

Concen: 48.22 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027176.D

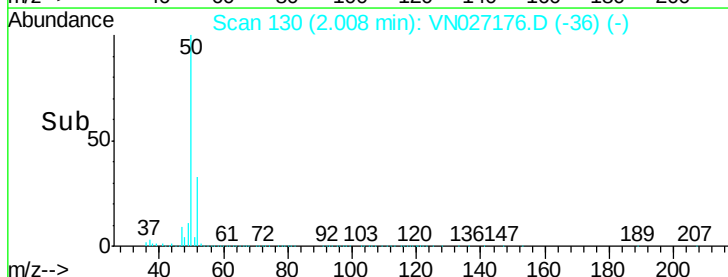
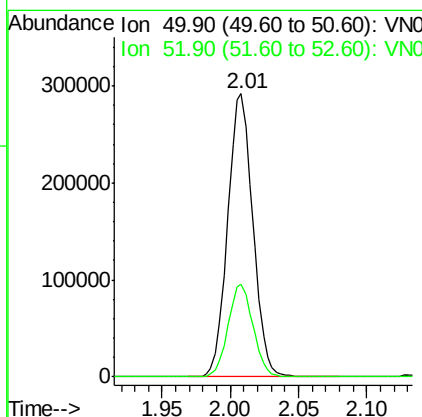
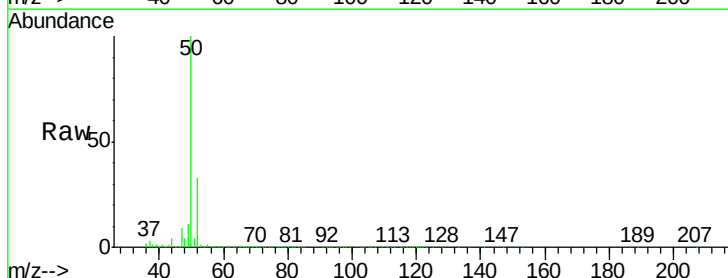
Acq: 15 Sep 2015 20:34

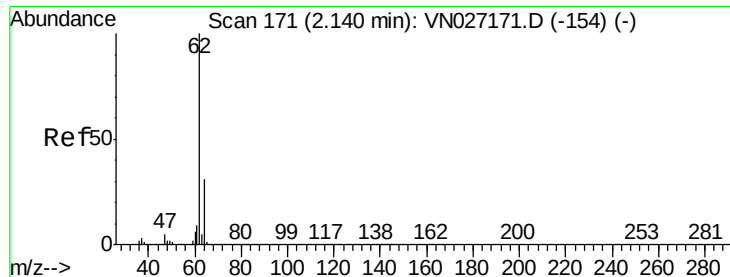
Tgt Ion: 50 Resp: 374520

Ion Ratio Lower Upper

50 100

52 32.7 25.9 38.9





#5

Vinyl Chloride

Concen: 47.28 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091515

Tot Ion: 62 Resp: 387548

Ion Ratio Lower Upper

62 100

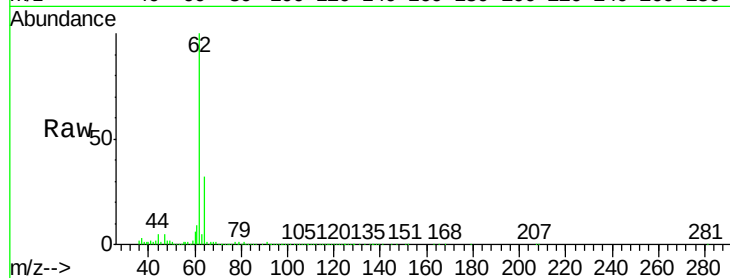
64 32.3 25.9 38.9

Manual Integrations

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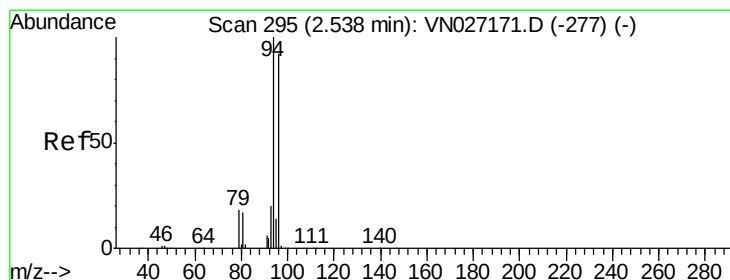
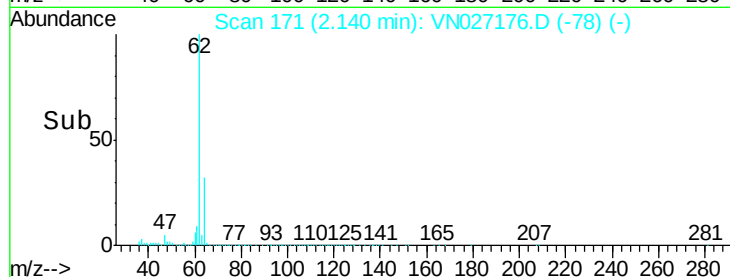
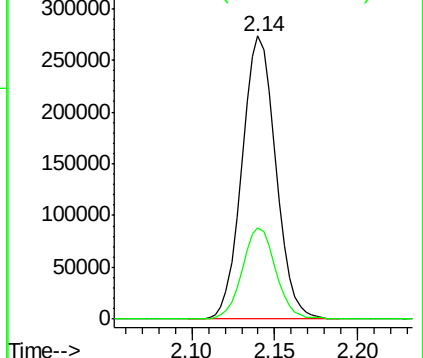
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Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC



#6

Bromomethane

Concen: 47.27 ug/l

RT: 2.54 min Scan# 295

Delta R.T. 0.00 min

Lab File: VN027176.D

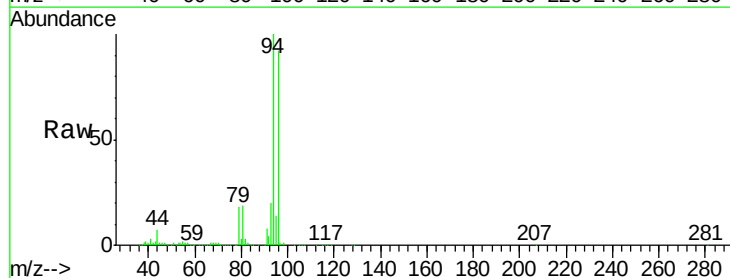
Acq: 15 Sep 2015 20:34

Tgt Ion: 94 Resp: 189859

Ion Ratio Lower Upper

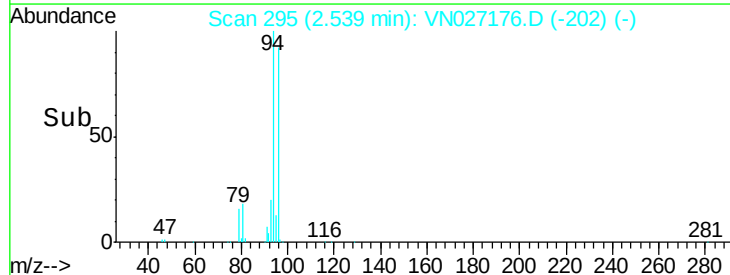
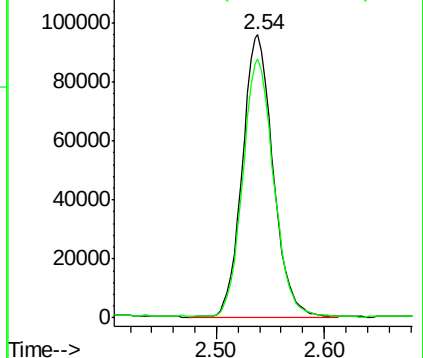
94 100

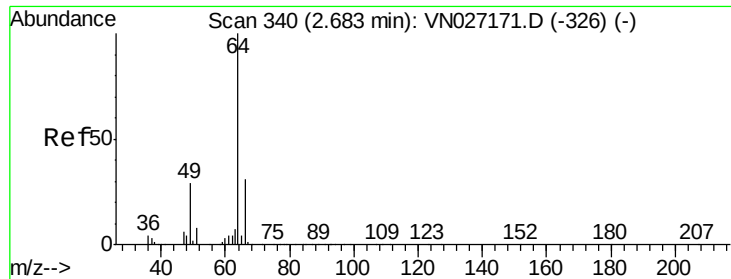
96 91.3 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC





#7

Chloroethane

Concen: 46.07 ug/l

RT: 2.68 min Scan# 340

Delta R.T. 0.00 min

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Instrument :

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ClientSampled :

ICVVN091515

Tot Ion: 64 Resp: 256724

Ion Ratio Lower Upper

64 100

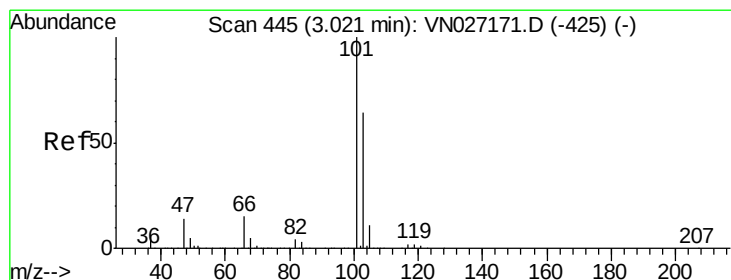
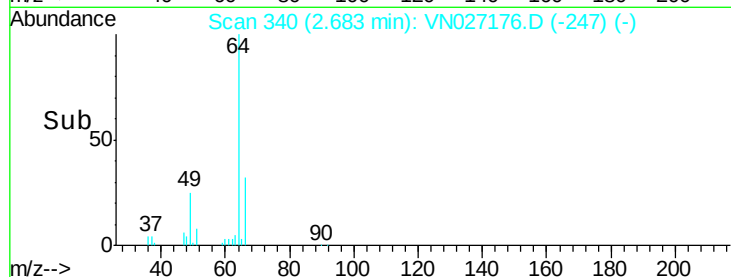
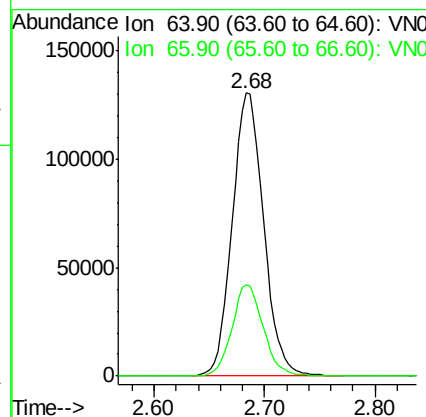
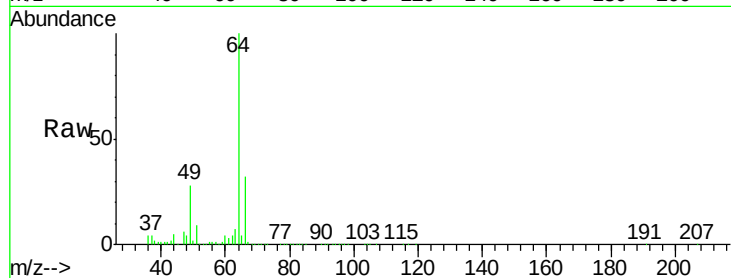
66 32.4 25.5 38.3

Manual Integrations

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#8

Trichlorofluoromethane

Concen: 46.97 ug/l

RT: 3.02 min Scan# 446

Delta R.T. 0.00 min

Lab File: VN027176.D

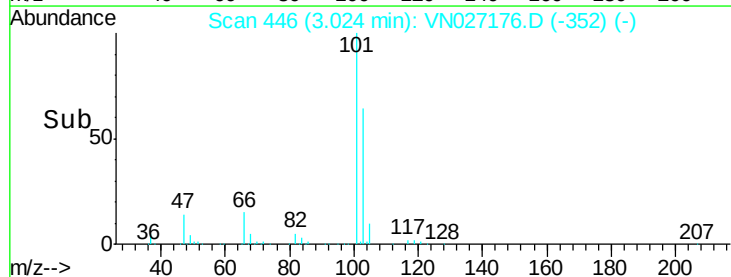
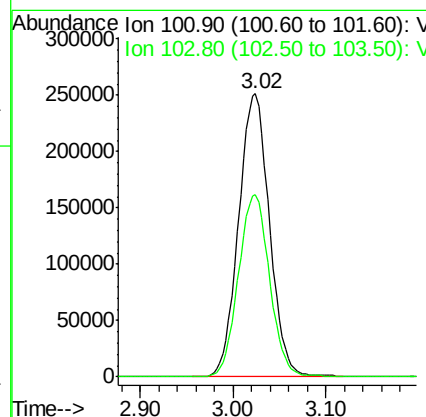
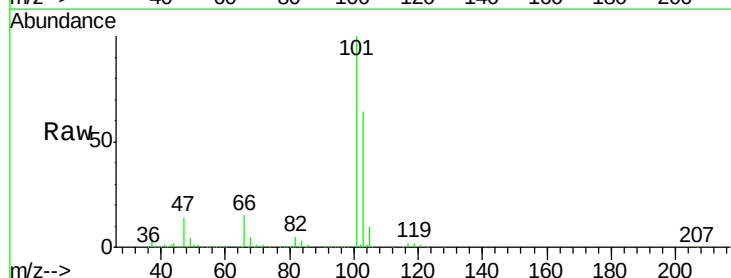
Acq: 15 Sep 2015 20:34

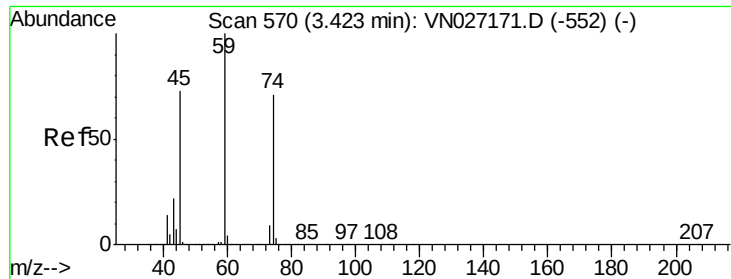
Tgt Ion: 101 Resp: 581603

Ion Ratio Lower Upper

101 100

103 64.3 52.6 79.0





#9

Diethyl Ether

Concen: 47.80 ug/l

RT: 3.42 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091515

Tot Ion: 74 Resp: 272342

Ion Ratio Lower Upper

74 100

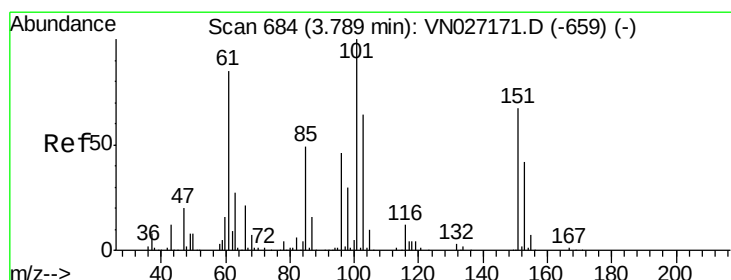
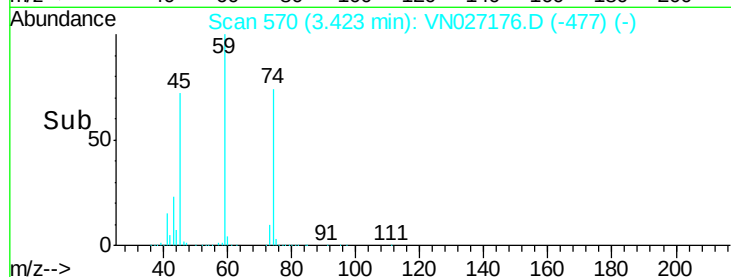
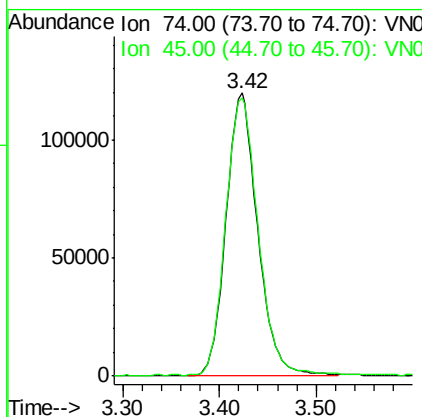
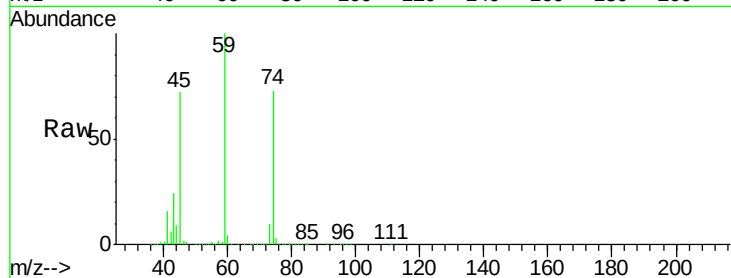
45 99.9 58.1 174.3

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#10

1,1,2-Trichlorotrifluoroethane

Concen: 47.02 ug/l

RT: 3.79 min Scan# 684

Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

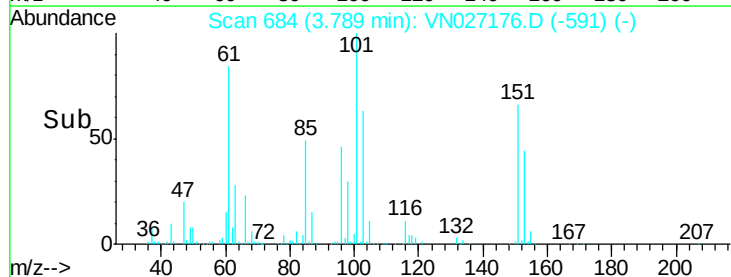
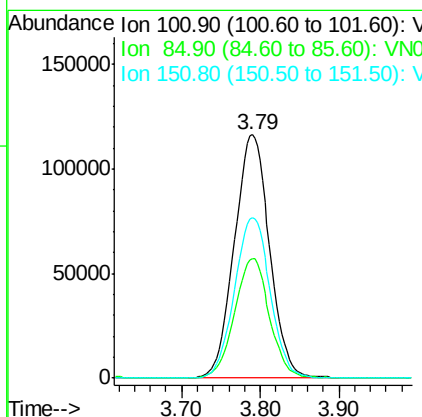
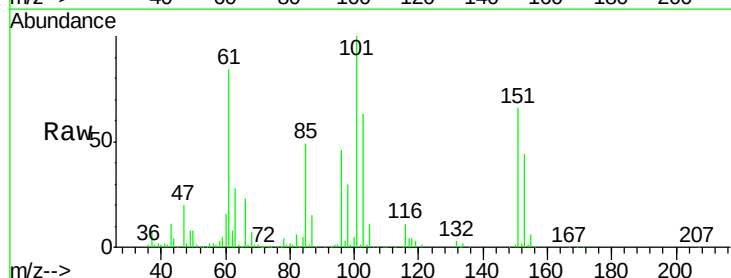
Tgt Ion: 101 Resp: 365668

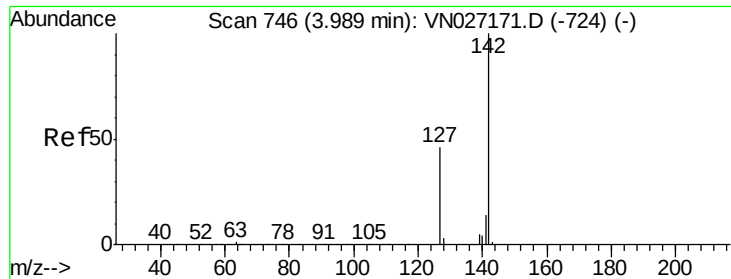
Ion Ratio Lower Upper

101 100

85 48.6 37.4 56.0

151 66.6 55.9 83.9





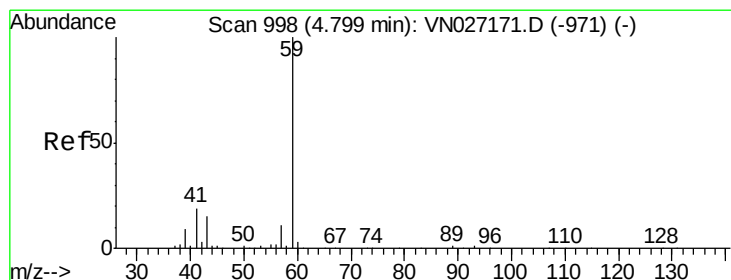
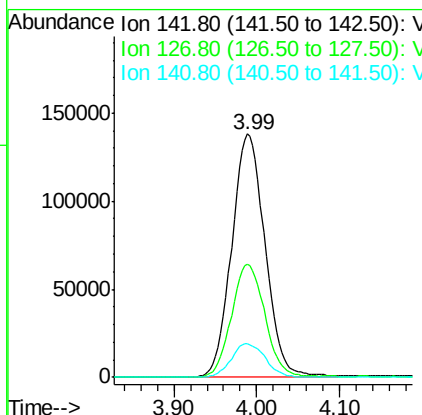
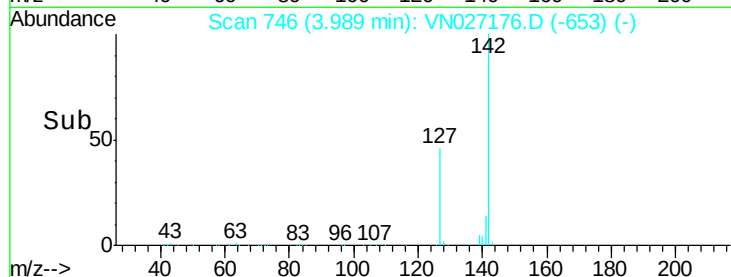
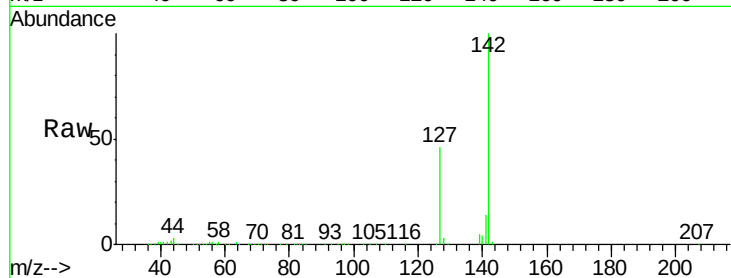
#11
Methvl Iodide
Concen: 51.34 ug/l
RT: 3.99 min Scan# 746
Delta R.T. 0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091515

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.5	32.3	48.5
141	14.2	11.2	16.8

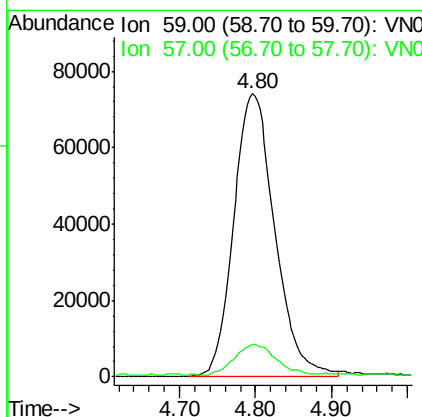
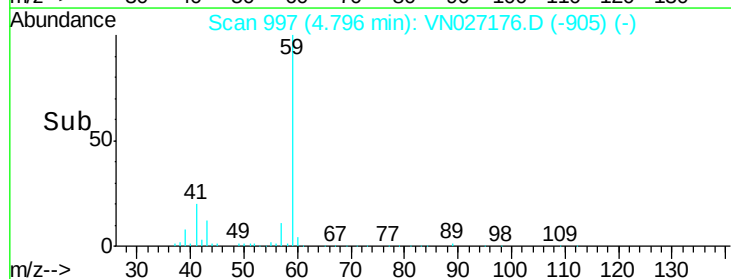
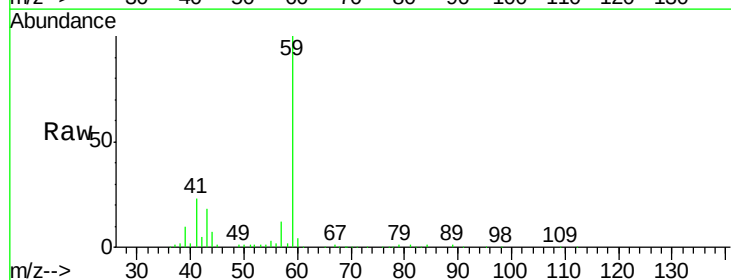
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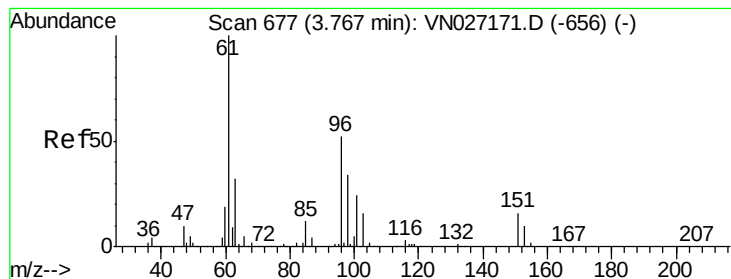
MMDadoda
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#12
Tert butyl alcohol
Concen: 238.28 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.1	7.6	11.4





#13

1,1-Dichloroethene

Concen: 46.56 ug/l

RT: 3.77 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

Instrument :

MSVOA_N

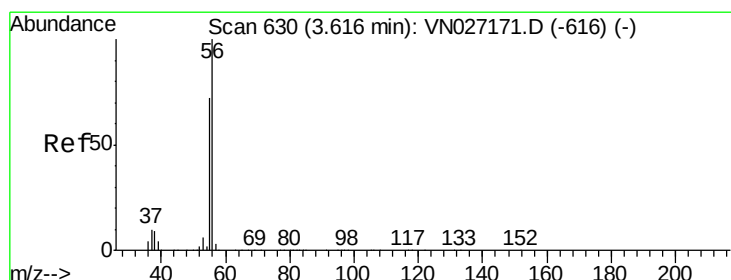
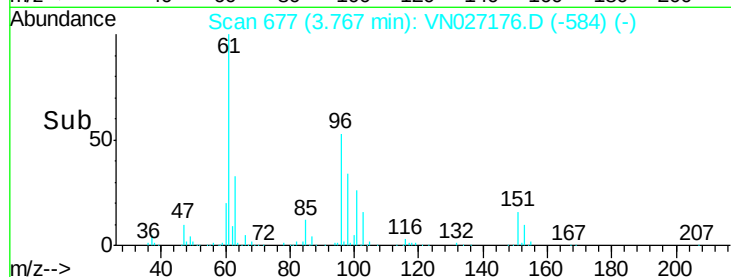
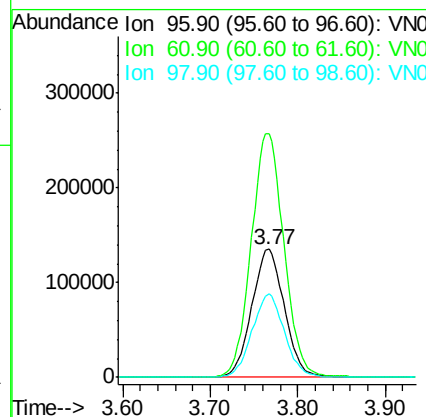
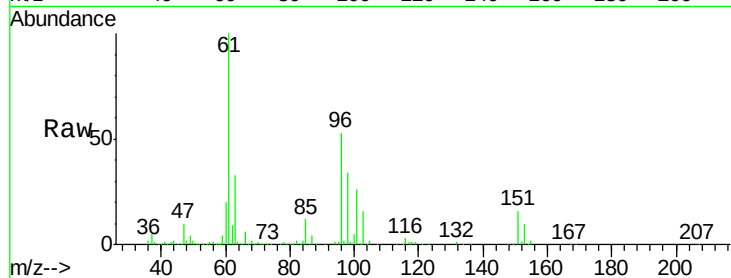
ClientSampleId :

ICVVN091515

Tot Ion:	96	Resp:	346796
Ion Ratio	Lower	Upper	
96	100		
61	190.4	143.8	215.8
98	64.9	50.3	75.5

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#14

Acrolein

Concen: 271.19 ug/l

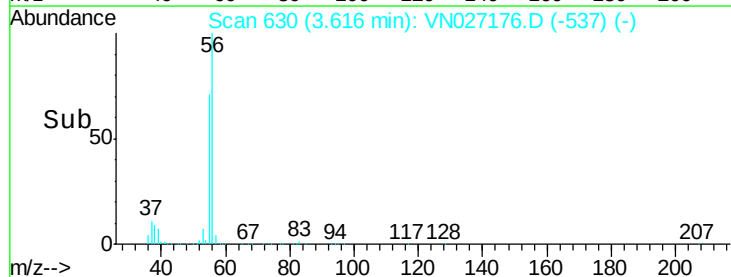
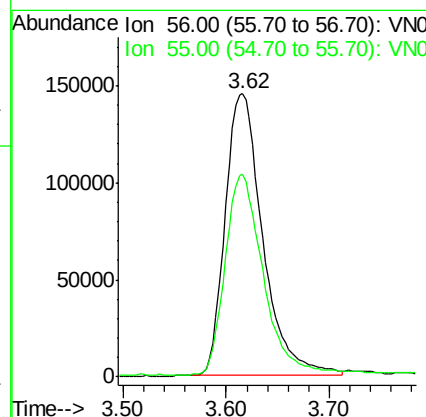
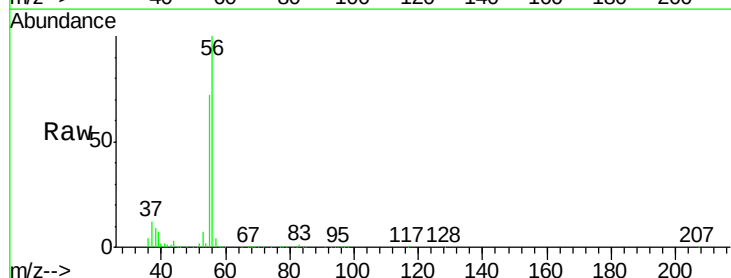
RT: 3.62 min Scan# 630

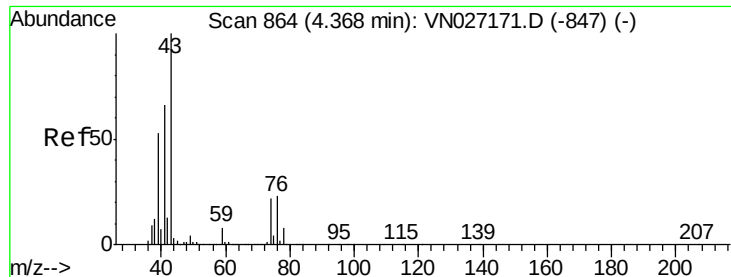
Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

Tgt Ion:	56	Resp:	370248
Ion Ratio	Lower	Upper	
56	100		
55	72.6	55.7	83.5





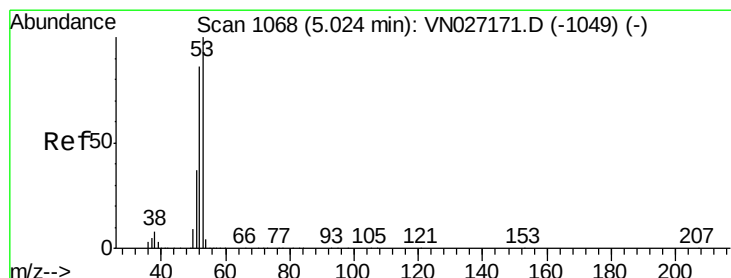
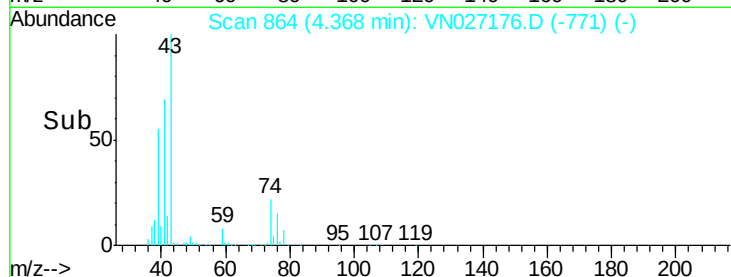
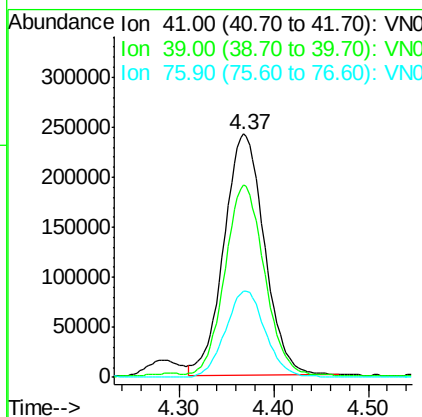
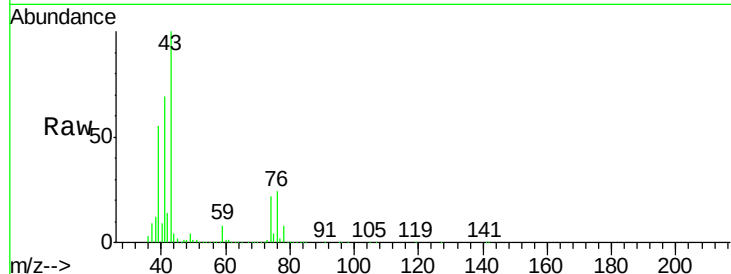
#15
Allvl chloride
Concen: 47.68 ug/l
RT: 4.37 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091515

Tot Ion	Ratio	Lower	Upper
41	100		
39	77.4	49.7	74.5#
76	34.7	24.8	37.2

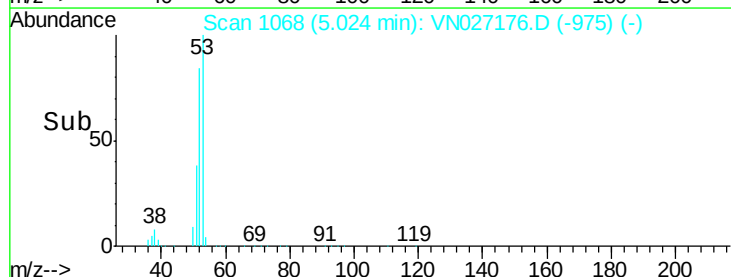
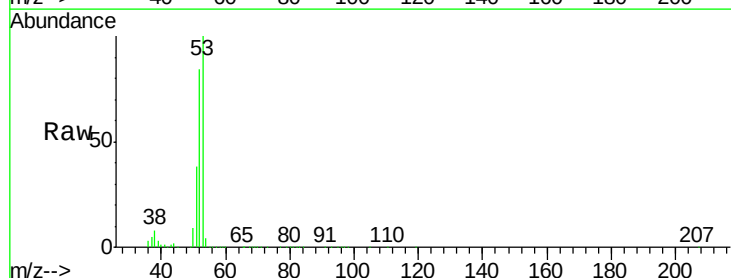
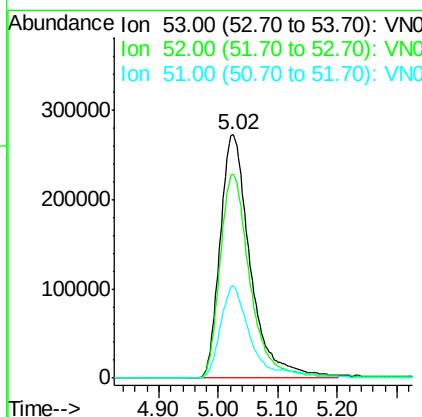
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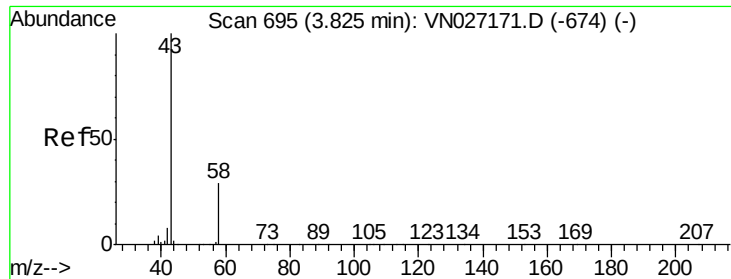
MMDadoda
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#16
Acrylonitrile
Concen: 251.89 ug/l
RT: 5.02 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.9	100.3
51	35.4	27.4	41.0





#17

Acetone

Concen: 236.41 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091515

Tot Ion: 43 Resp: 757530

Ion Ratio Lower Upper

43 100

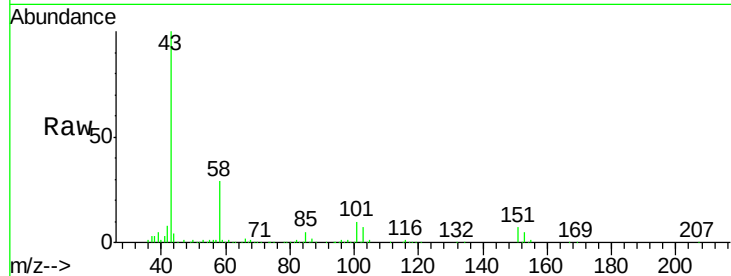
58 29.3 25.4 38.0

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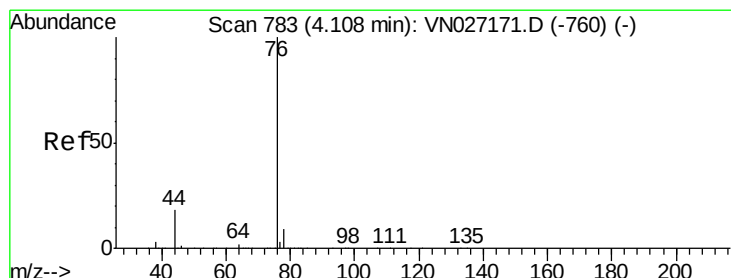
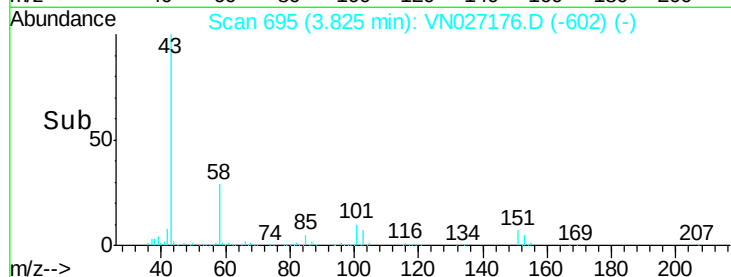
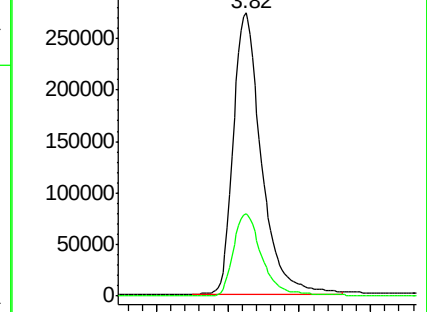
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Carbon Disulfide

Concen: 45.29 ug/l

RT: 4.11 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN027176.D

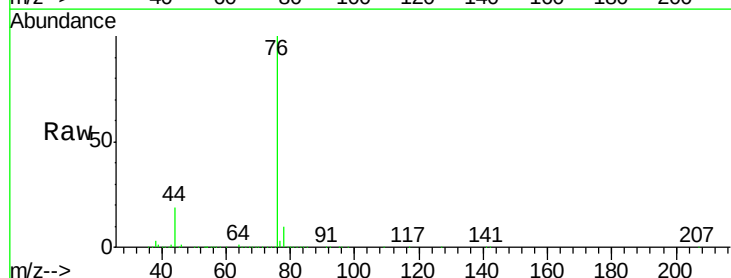
Acq: 15 Sep 2015 20:34

Tgt Ion: 76 Resp: 1098419

Ion Ratio Lower Upper

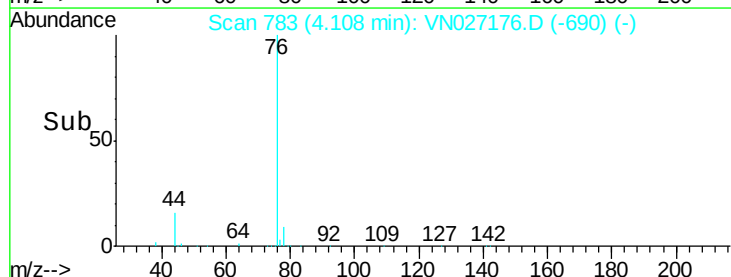
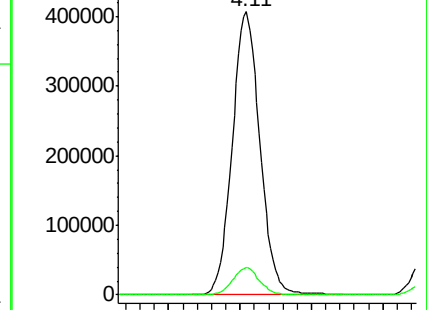
76 100

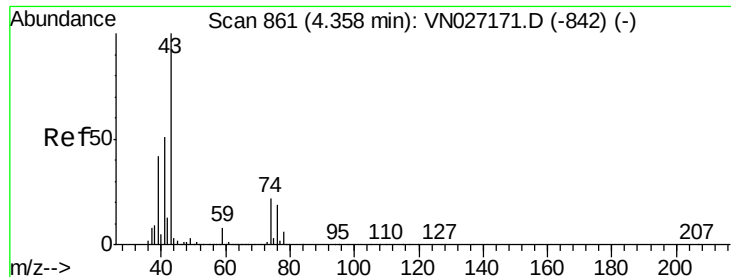
78 9.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





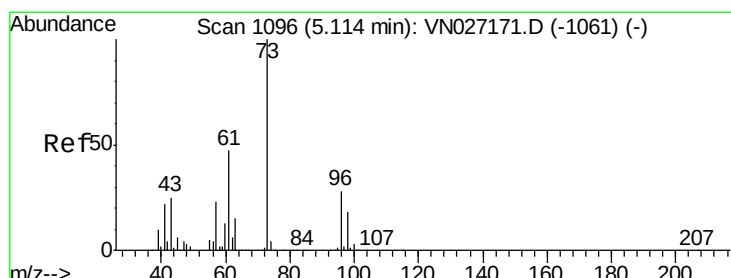
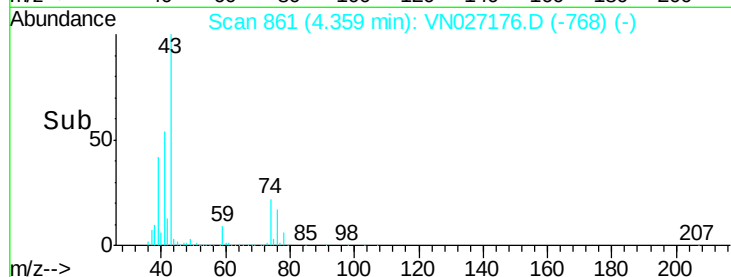
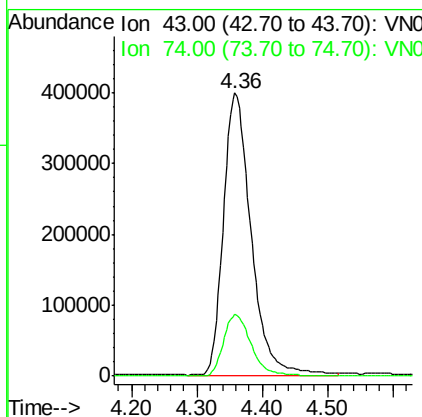
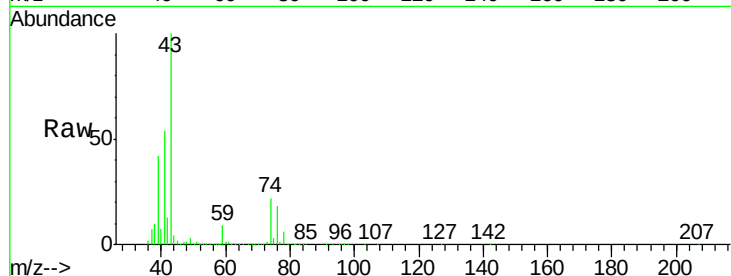
#19
Methyl Acetate
Concen: 50.38 ug/l
RT: 4.36 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091515

Tot Ion: 43 Resp: 1169178
Ion Ratio Lower Upper
43 100
74 22.0 16.2 24.2

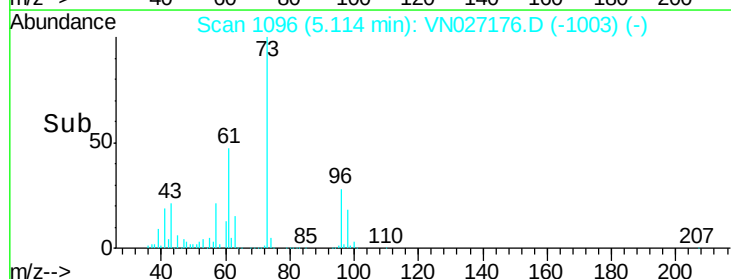
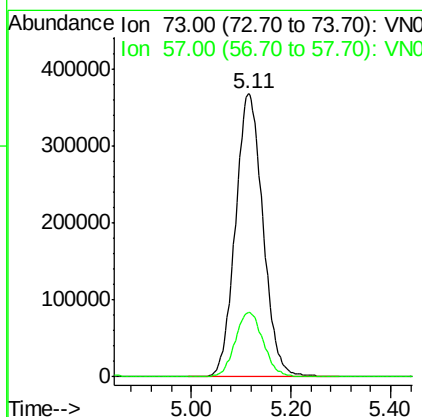
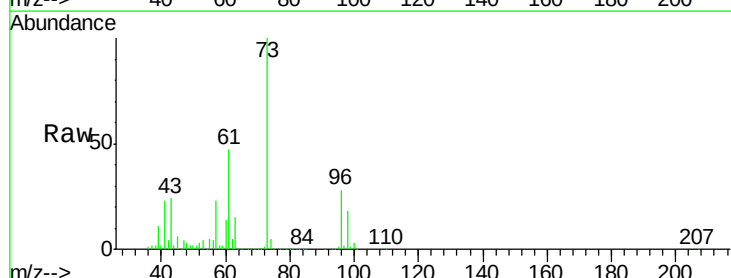
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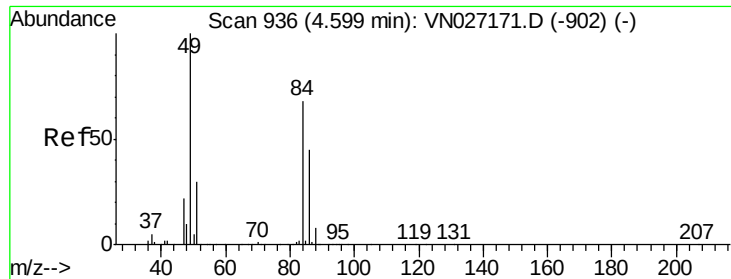
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#20
Methyl tert-butyl Ether
Concen: 47.25 ug/l
RT: 5.11 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Tgt Ion: 73 Resp: 1412704
Ion Ratio Lower Upper
73 100
57 22.5 19.8 29.6





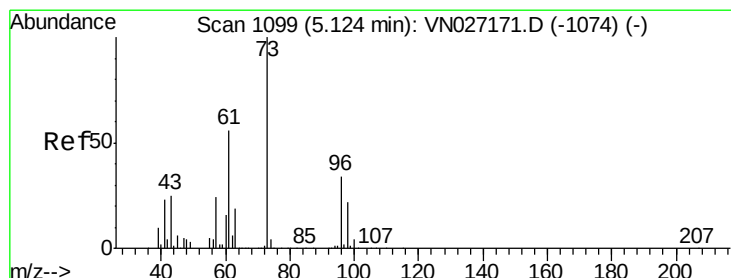
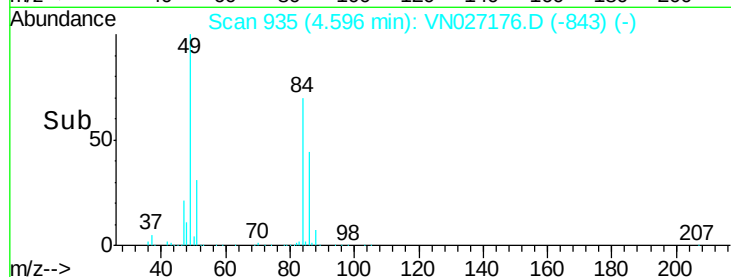
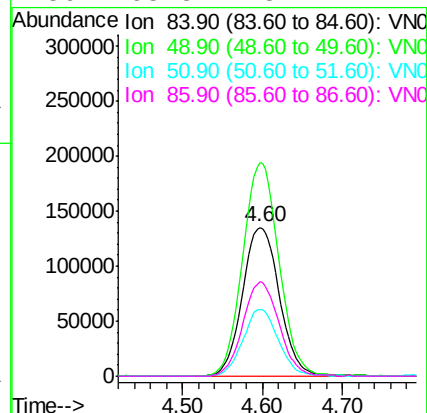
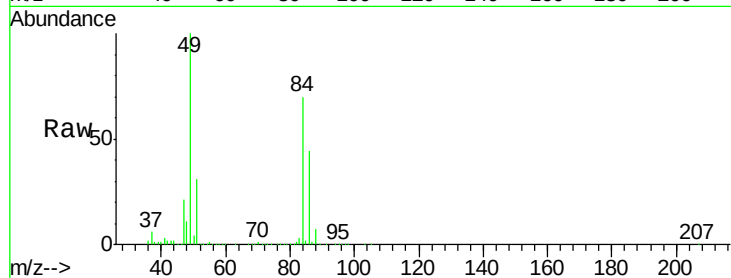
#21
Methylene Chloride
Concen: 47.56 ug/l
RT: 4.60 min Scan# 935
Delta R.T. -0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091515

Tot Ion	84	Resp	424533
Ion Ratio	Lower	Upper	
84	100		
49	143.3	112.3	168.5
51	44.9	33.8	50.8
86	63.3	48.2	72.4

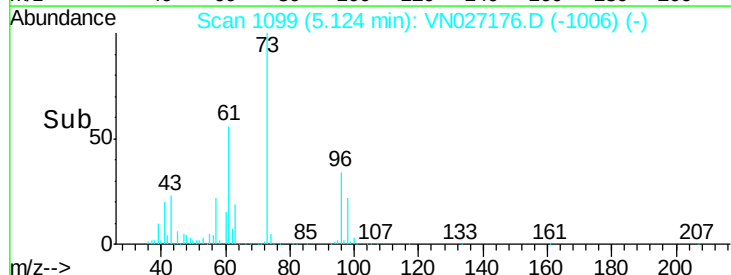
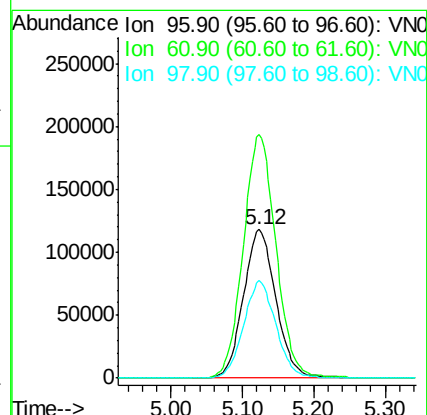
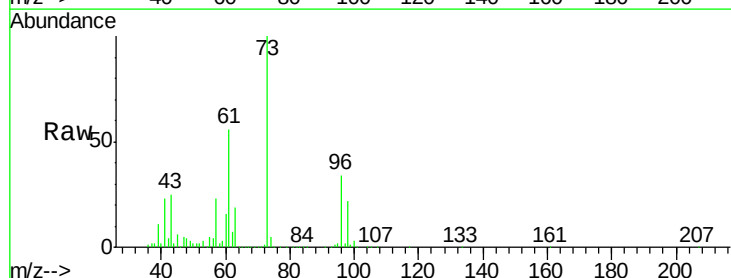
Manual Integrations
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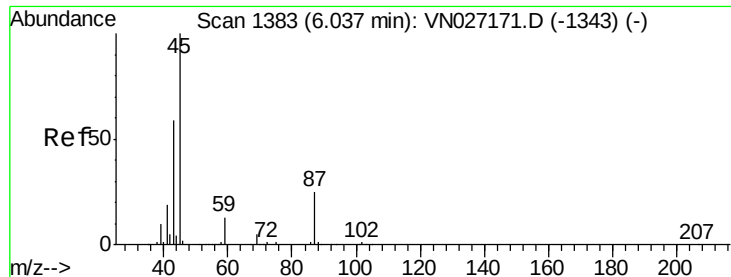
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 46.56 ug/l
RT: 5.12 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Tgt Ion	96	Resp	375098
Ion Ratio	Lower	Upper	
96	100		
61	163.8	126.6	189.8
98	65.3	47.4	71.2





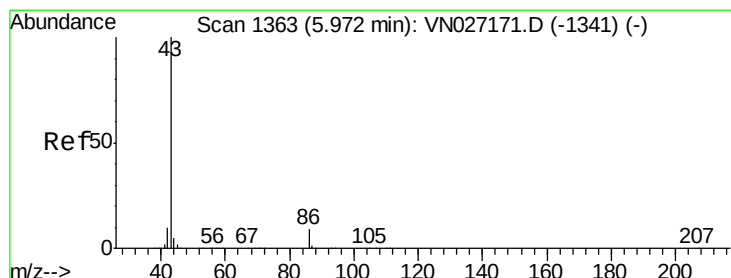
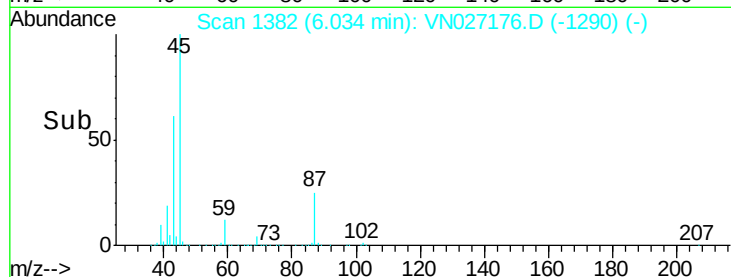
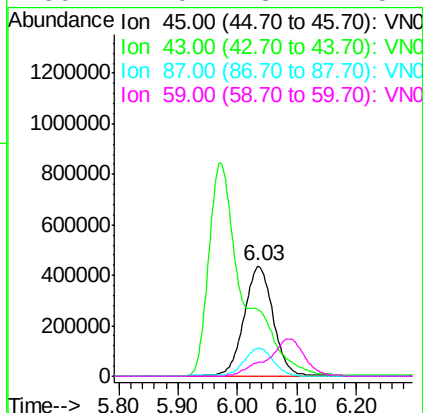
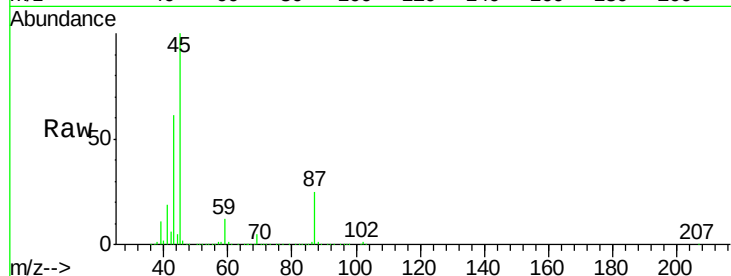
#23
Diisopropyl ether
Concen: 47.24 ug/l
RT: 6.03 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091515

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	60.0	41.0	61.6	
87	25.3	17.5	26.3	
59	12.0	8.7	13.1	

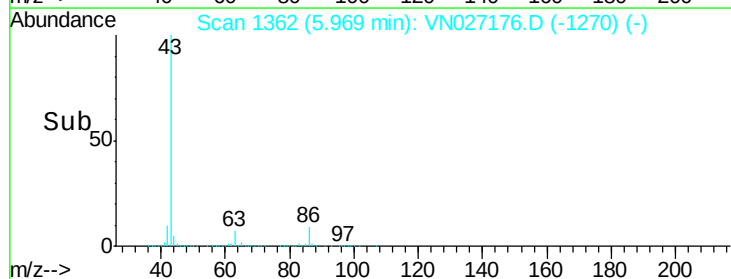
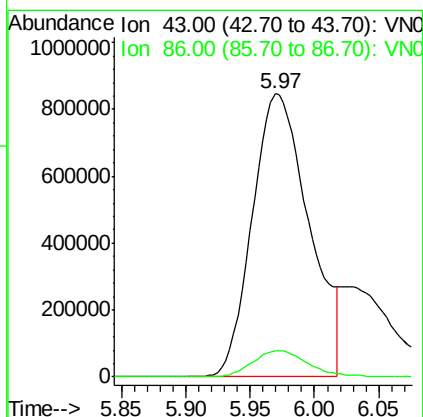
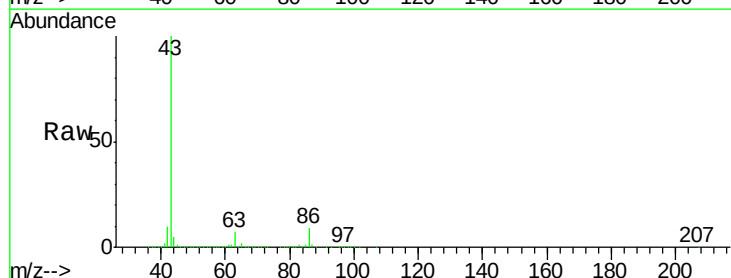
Manual Integrations
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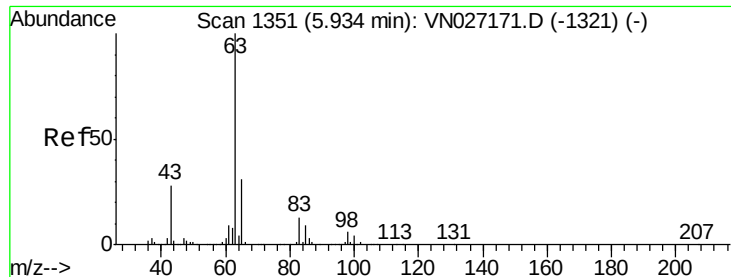
MMDadoda
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#24
Vinyl Acetate
Concen: 249.27 ug/l m
RT: 5.97 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

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





#25

1,1-Dichloroethane

Concen: 46.28 ug/l

RT: 5.93 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

Instrument :

MSVOA_N

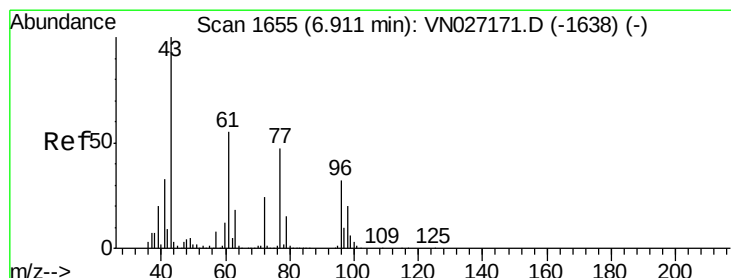
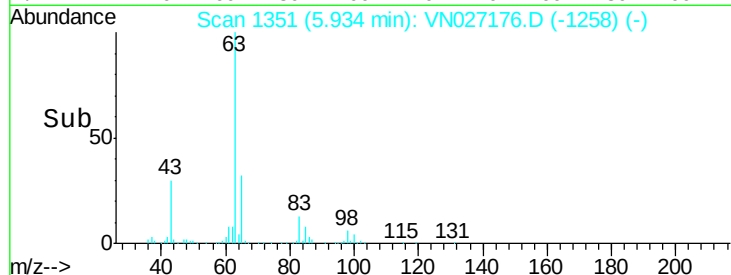
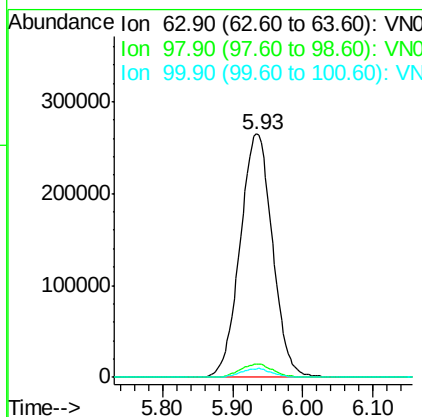
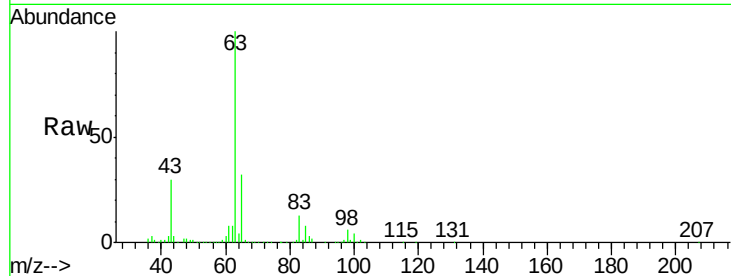
ClientSampleId :

ICVVN091515

Tot Ion	Ratio	Resp	Lower	Upper
63	100	848506		
98	5.6		2.8	8.3
100	3.5		1.7	5.0

Manual Integrations
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#26

2-Butanone

Concen: 245.38 ug/l

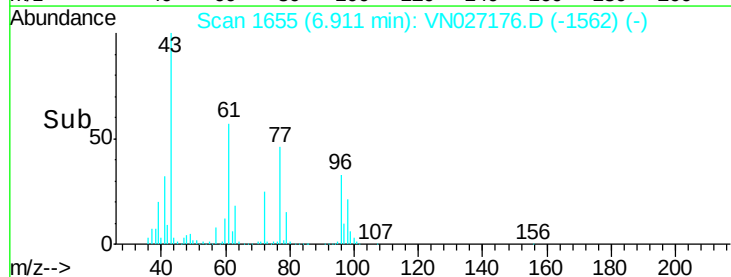
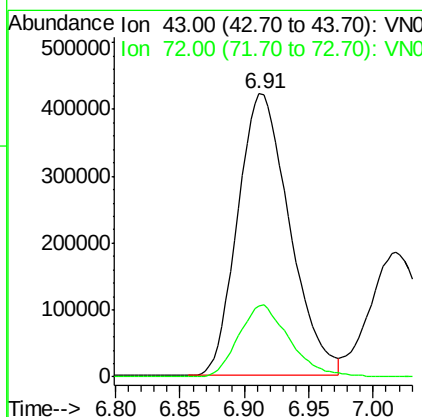
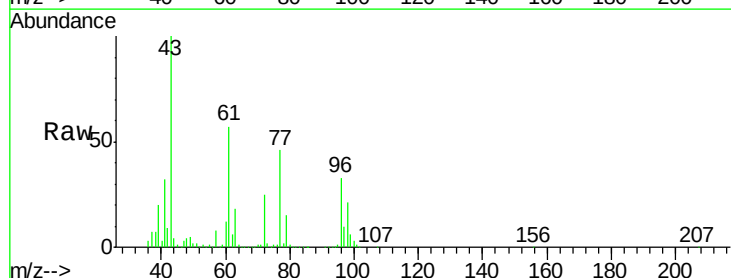
RT: 6.91 min Scan# 1655

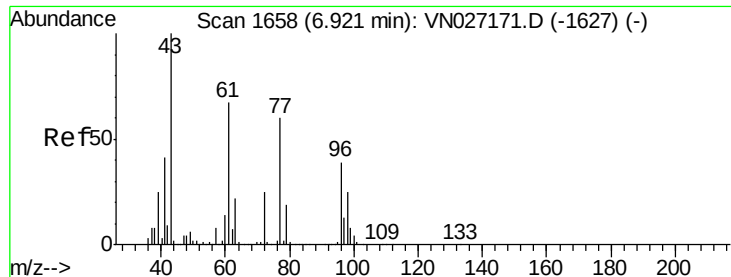
Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	1184035		
72	25.3		18.8	28.2





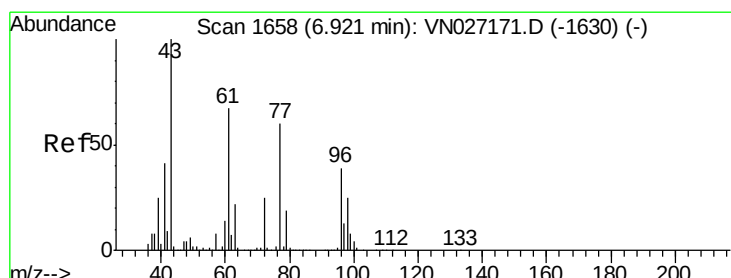
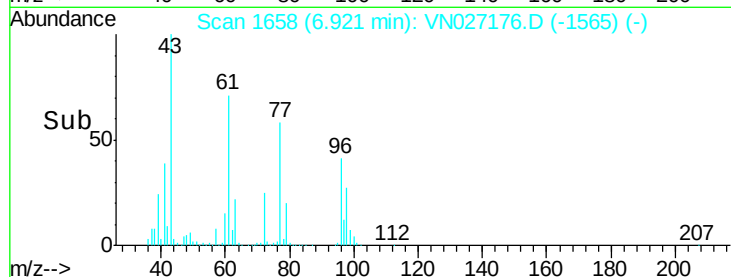
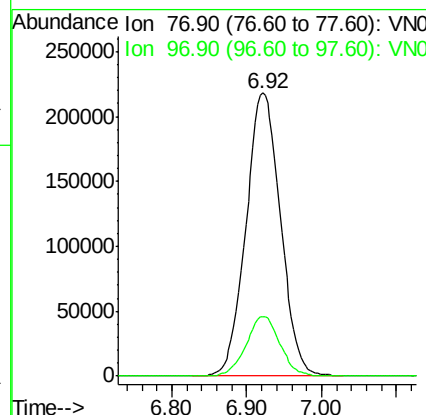
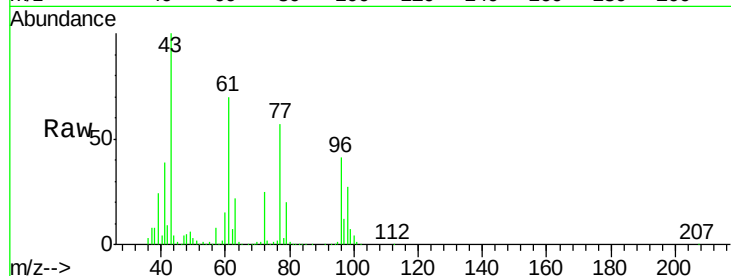
#27
 2,2-Dichloropropane
 Concen: 43.73 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027176.D
 Acq: 15 Sep 2015 20:34

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091515

Tot Ion	Ratio	Lower	Upper
77	100		
97	20.6	11.8	35.3

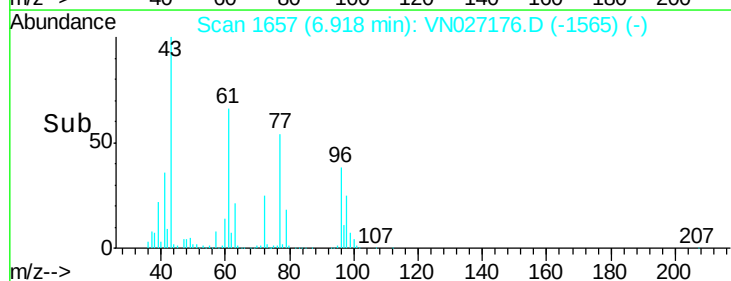
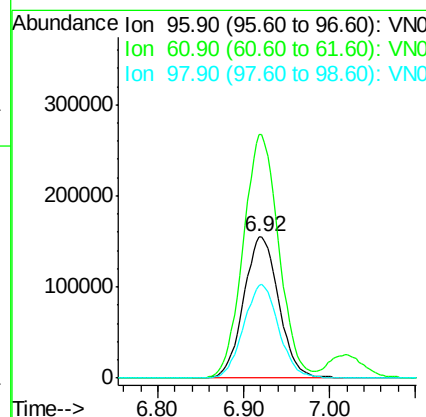
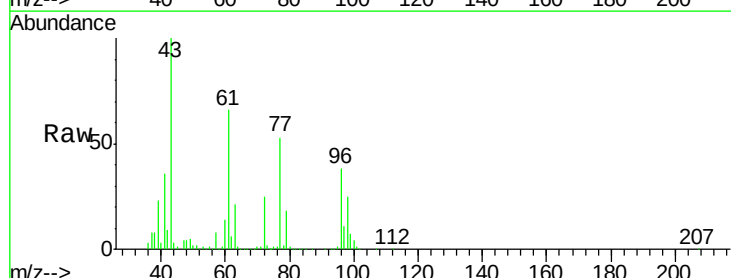
Manual Integrations
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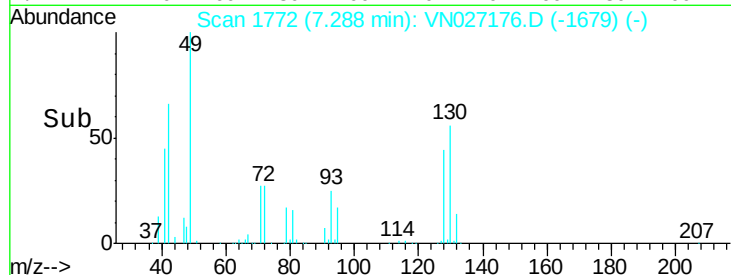
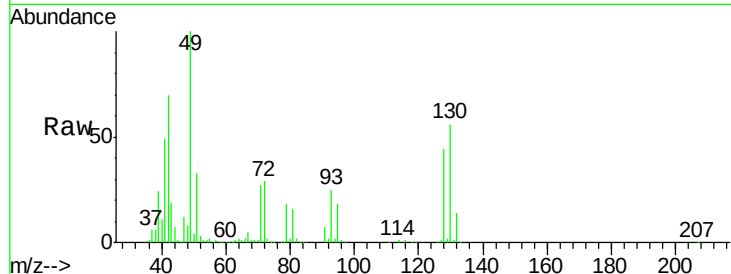
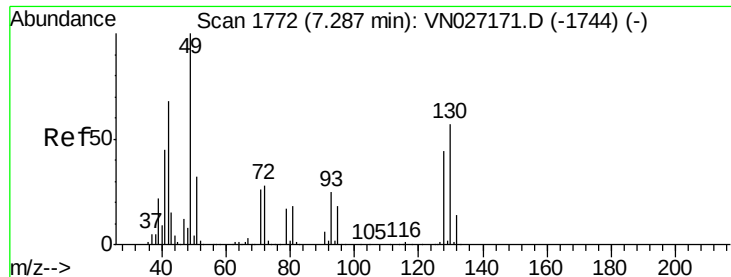
MMDadoda
 9/16/2015 11:47:29 AM



#28
 cis-1,2-Dichloroethene
 Concen: 47.37 ug/l
 RT: 6.92 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VN027176.D
 Acq: 15 Sep 2015 20:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.5	0.0	329.2
98	66.2	0.0	126.0





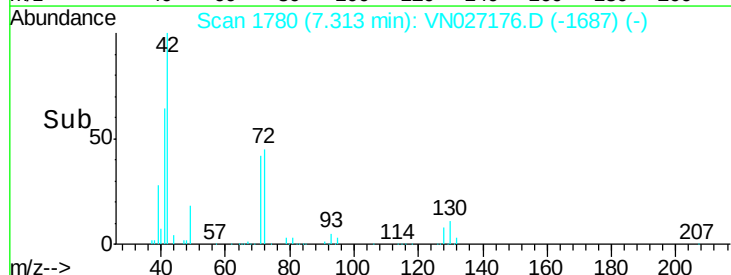
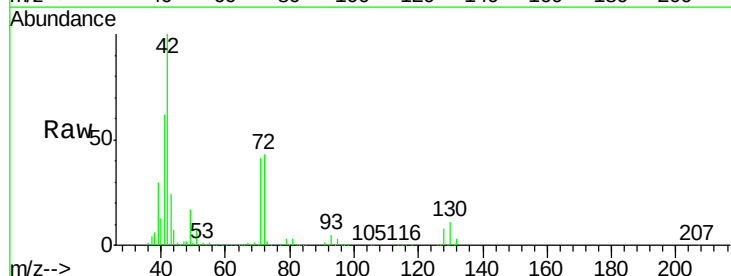
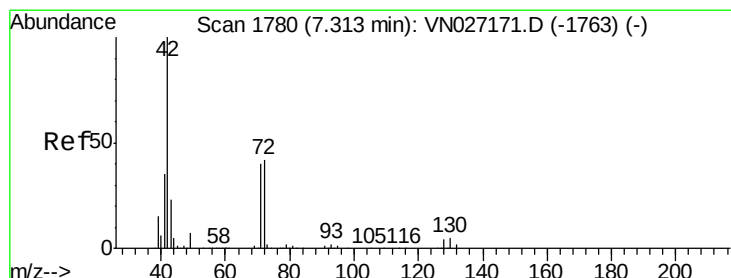
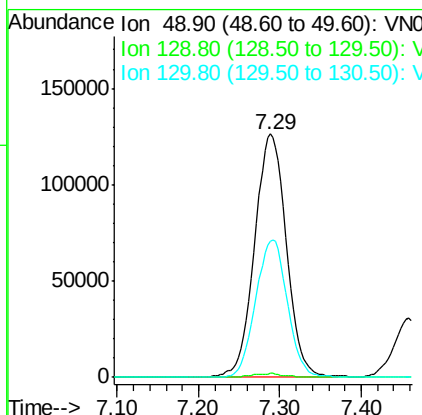
#29
Bromochloromethane
Concen: 47.95 ug/l
RT: 7.29 min Scan# 1772
Delta R.T. 0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Tot Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	56.4	43.2	64.8

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091515

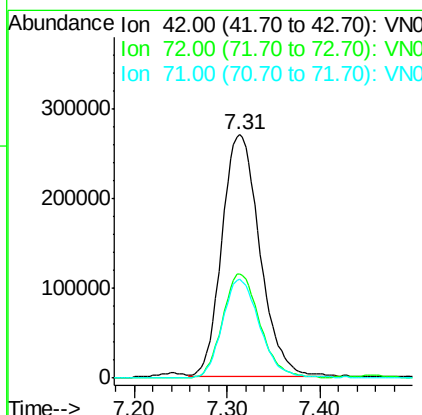
Manual Integrations
APPROVED

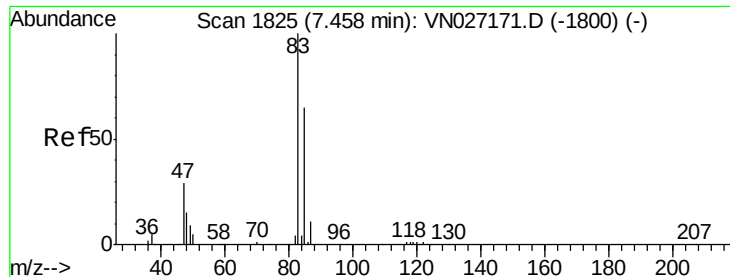
MMDadoda
9/16/2015 11:47:29 AM



#30
Tetrahydrofuran
Concen: 229.28 ug/l
RT: 7.31 min Scan# 1780
Delta R.T. 0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.5	29.9	44.9
71	40.4	28.3	42.5





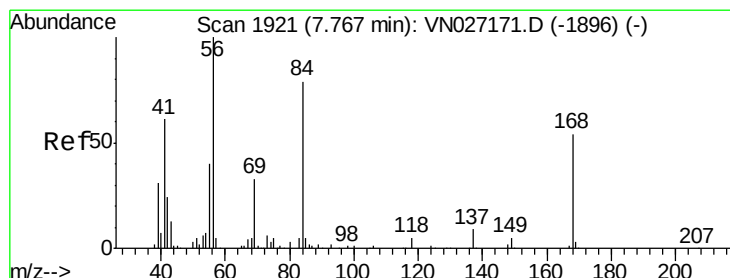
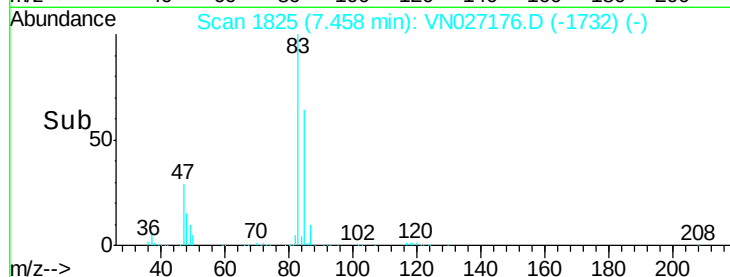
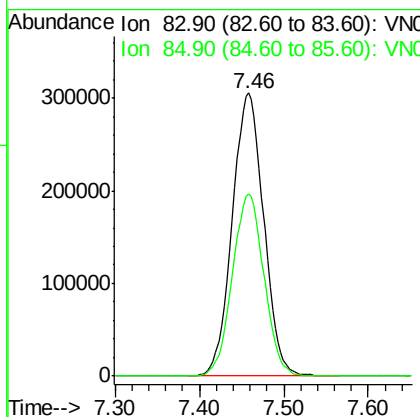
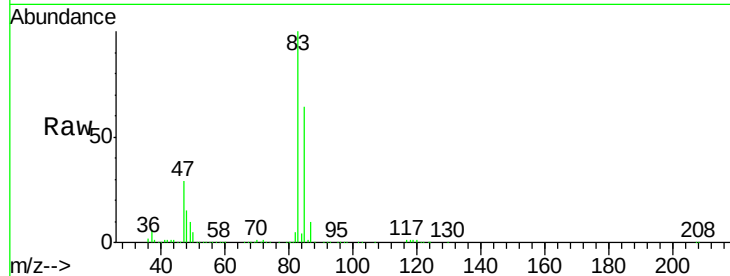
#31
Chloroform
Concen: 47.75 ug/l
RT: 7.46 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091515

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.1	76.7

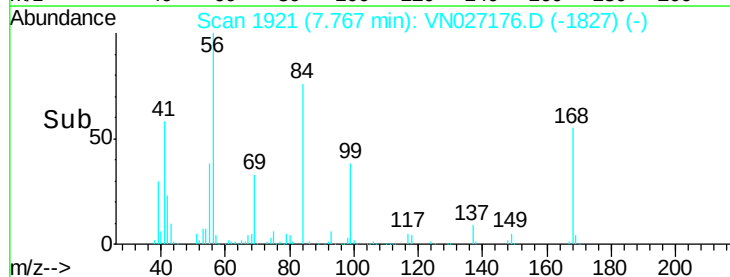
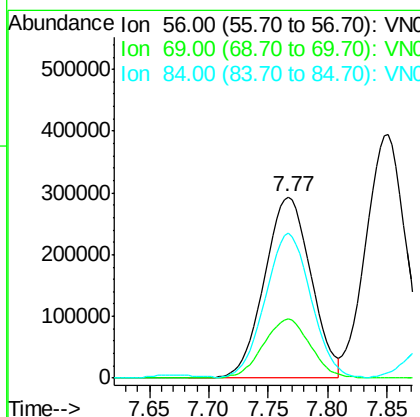
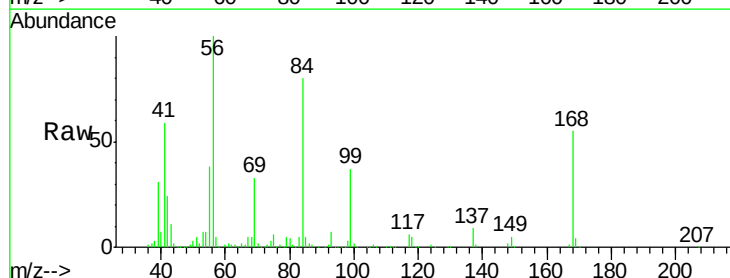
Manual Integrations
APPROVED

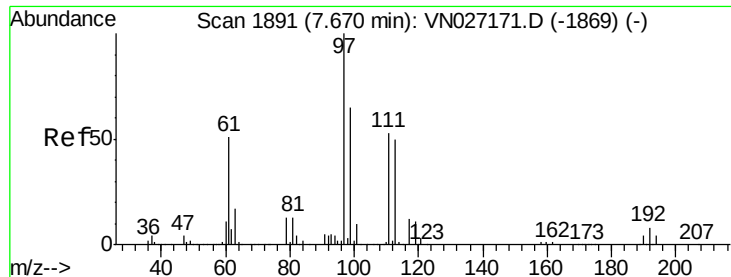
MMDadoda
9/16/2015 11:47:29 AM



#32
Cyclohexane
Concen: 48.48 ug/l
RT: 7.77 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.6	23.0	34.4
84	78.7	57.8	86.8





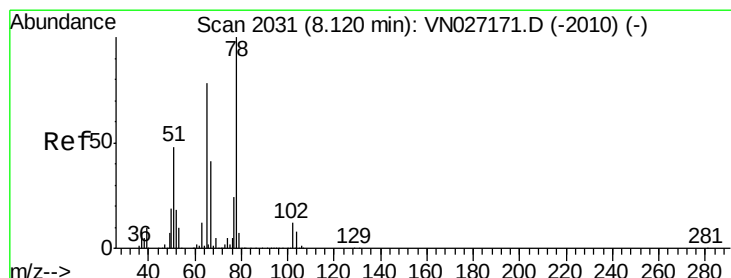
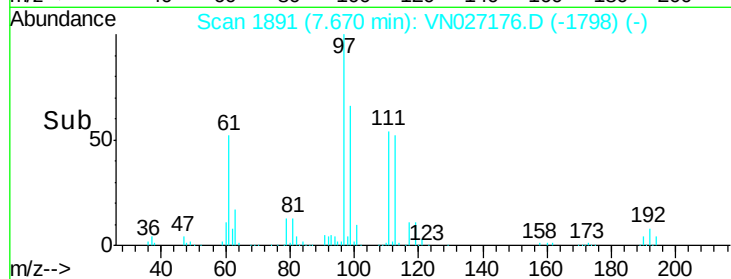
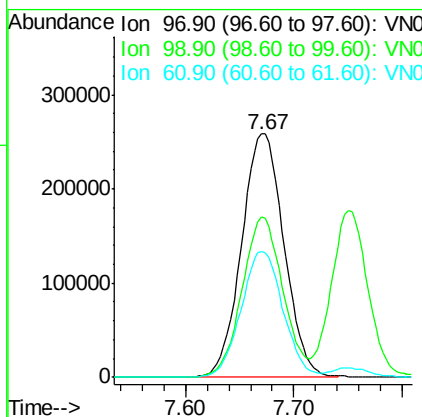
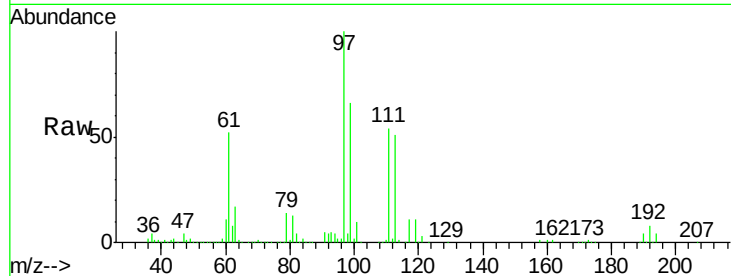
#33
 1,1,1-Trichloroethane
 Concen: 47.68 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN027176.D
 Acq: 15 Sep 2015 20:34

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091515

Tot Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.1	75.1
61	51.3	44.0	66.0

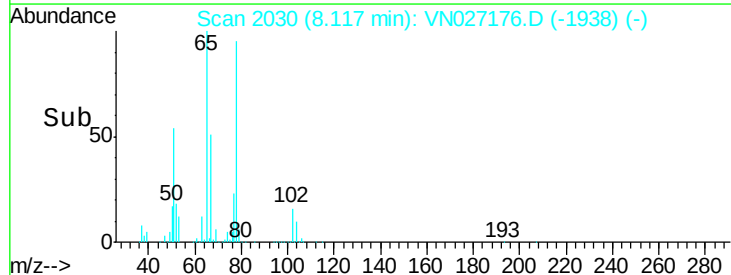
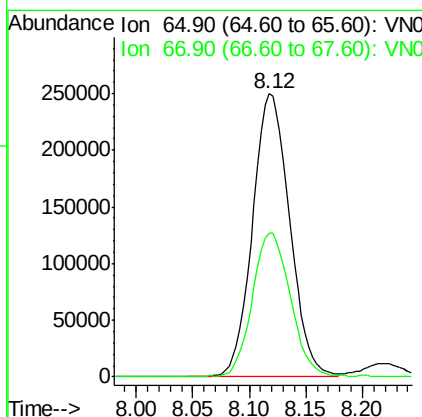
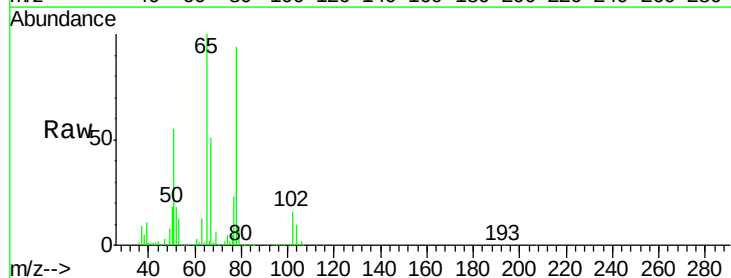
Manual Integrations
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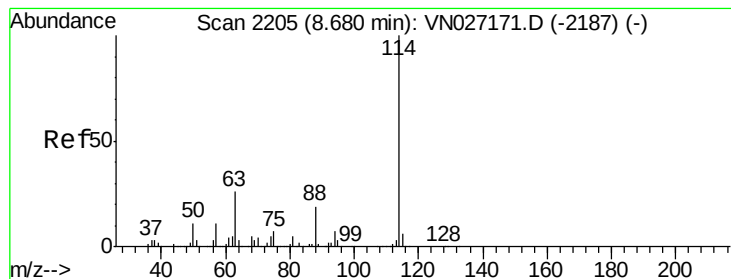
MMDadoda
 9/16/2015 11:47:29 AM



#34
 1,2-Dichloroethane-d4
 Concen: 47.94 ug/l
 RT: 8.12 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VN027176.D
 Acq: 15 Sep 2015 20:34

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.7	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: VN027176.D

Acq: 15 Sep 2015 20:34

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091515

Tot Ion:114 Resp: 1088878

Ion Ratio Lower Upper

114 100

63 26.5 0.0 48.8

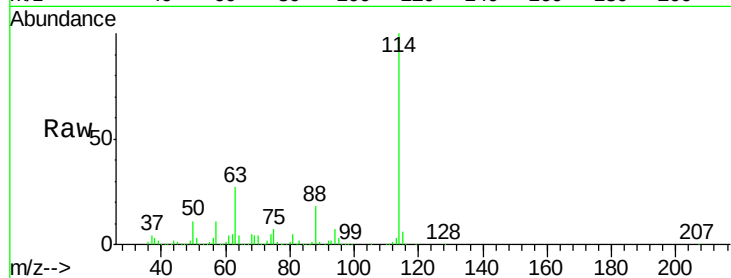
88 18.3 0.0 32.2

Manual Integrations

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MMDadoda

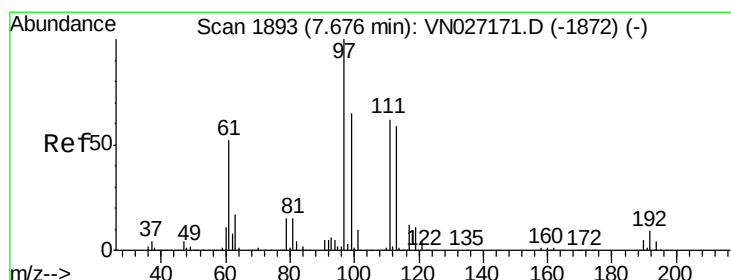
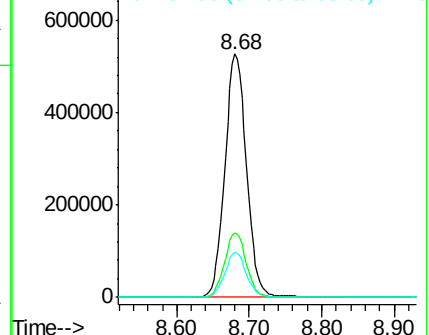
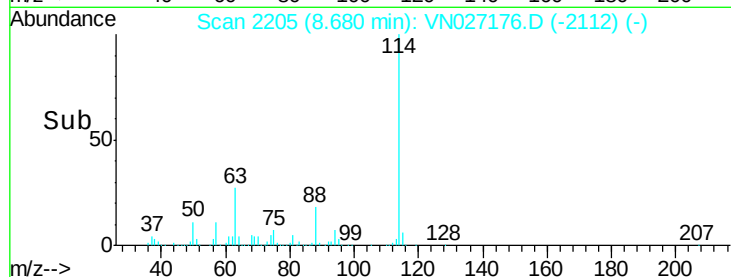
9/16/2015 11:47:29 AM



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



#36

Dibromofluoromethane

Concen: 47.96 ug/l

RT: 7.68 min Scan# 1893

Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

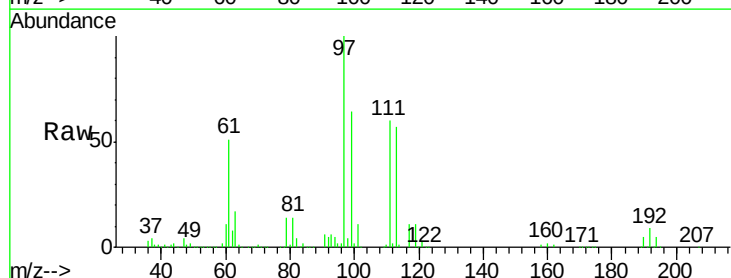
Tgt Ion:113 Resp: 361982

Ion Ratio Lower Upper

113 100

111 105.2 83.0 124.4

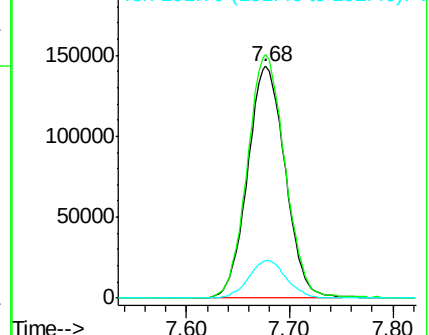
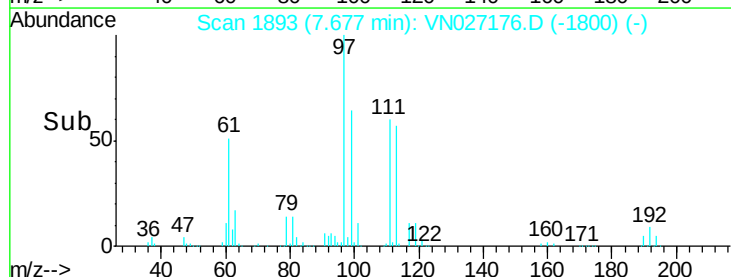
192 16.2 14.1 21.1

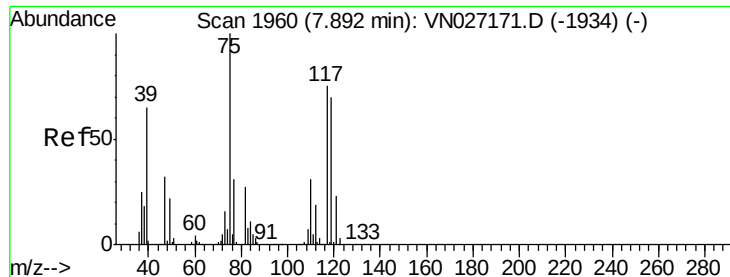


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





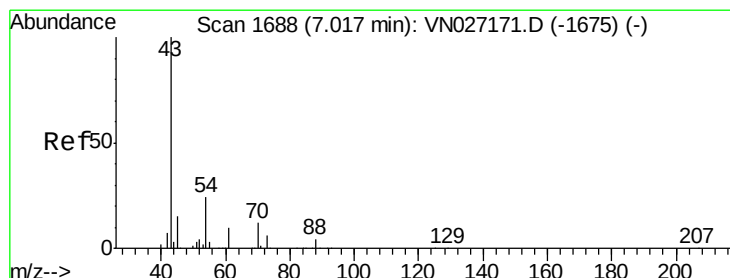
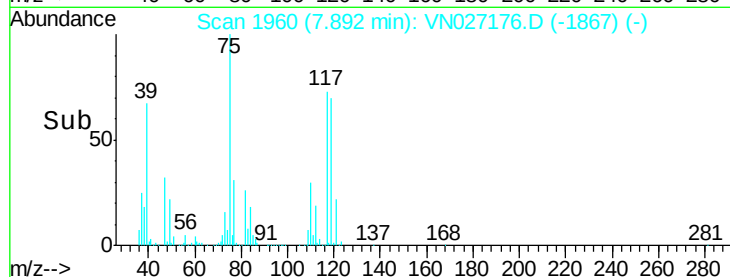
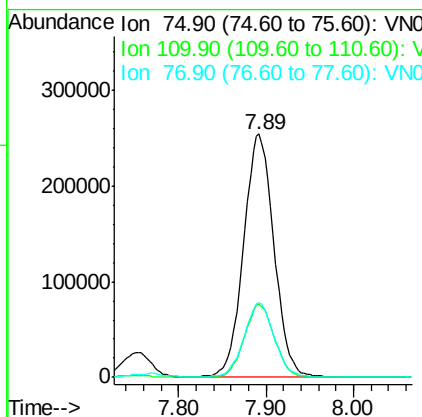
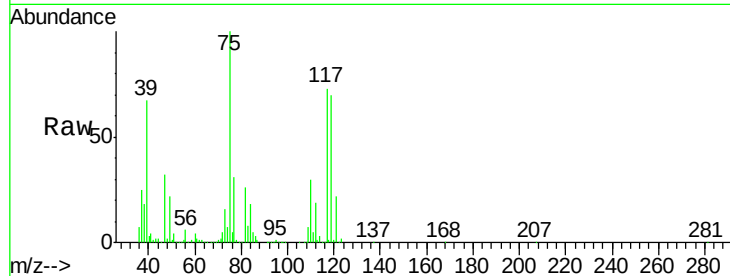
#37
 1,1-Dichloropropene
 Concen: 47.92 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027176.D
 Acq: 15 Sep 2015 20:34

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091515

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	29.9	15.9	47.7	
77	30.2	24.9	37.3	

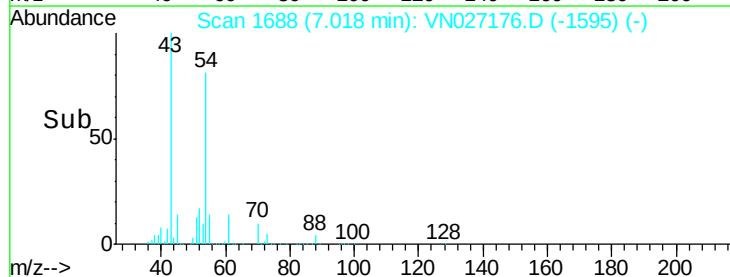
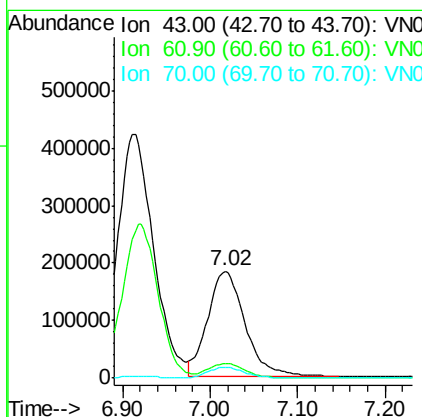
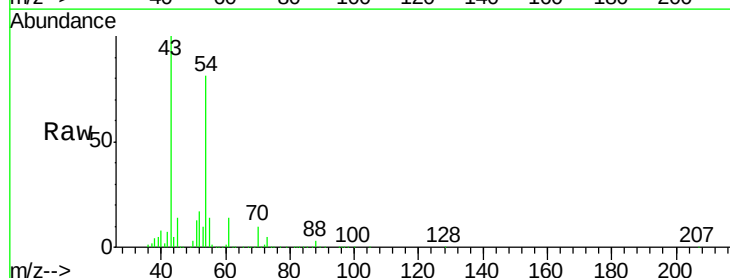
Manual Integrations
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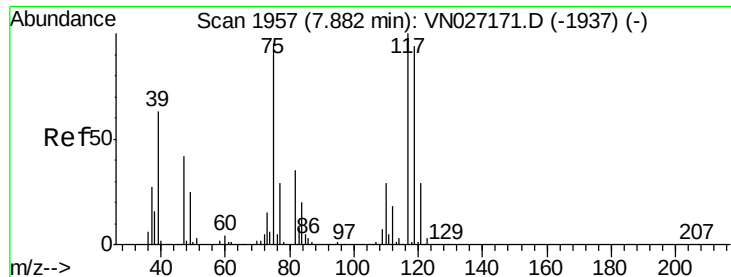
MMDadoda
 9/16/2015 11:47:29 AM



#38
 Ethyl Acetate
 Concen: 50.28 ug/l
 RT: 7.02 min Scan# 1688
 Delta R.T. 0.00 min
 Lab File: VN027176.D
 Acq: 15 Sep 2015 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.7	10.2	15.4	
70	9.4	7.4	11.0	





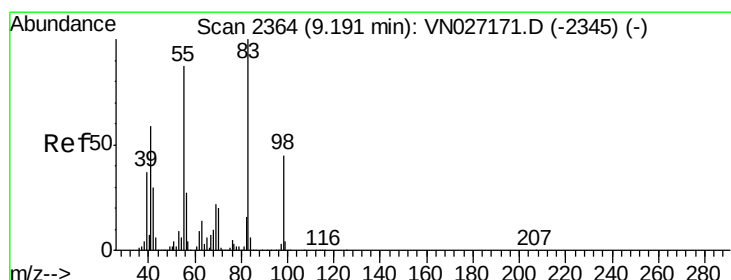
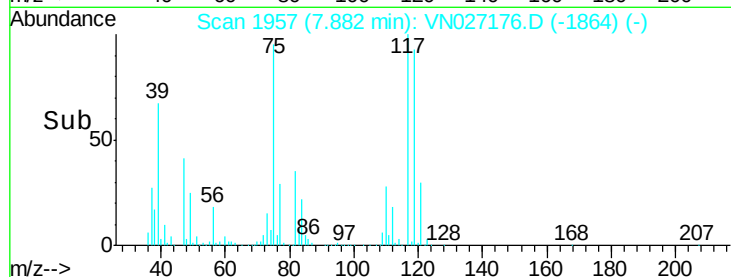
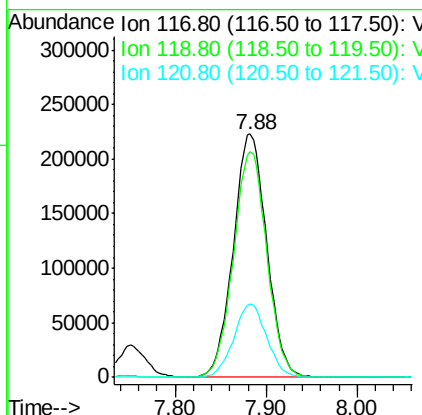
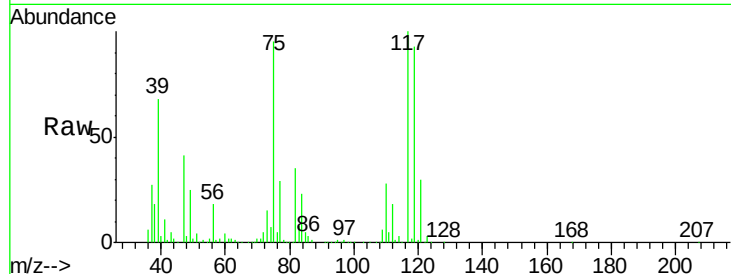
#39
Carbon Tetrachloride
Concen: 47.27 ug/l
RT: 7.88 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091515

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.7	75.3	112.9
121	30.1	23.8	35.8

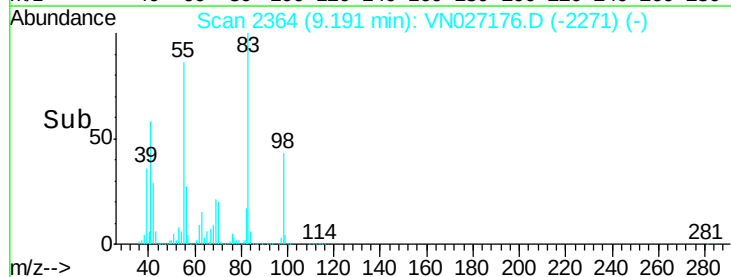
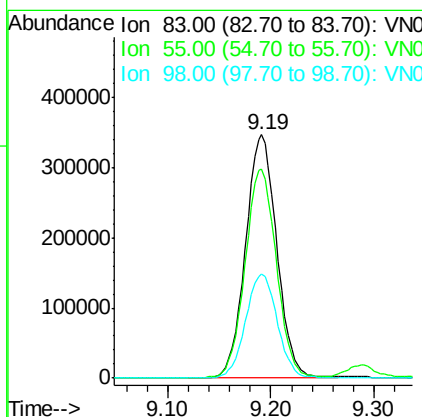
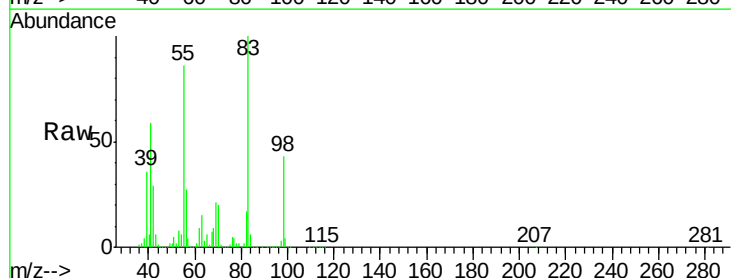
Manual Integrations
APPROVED

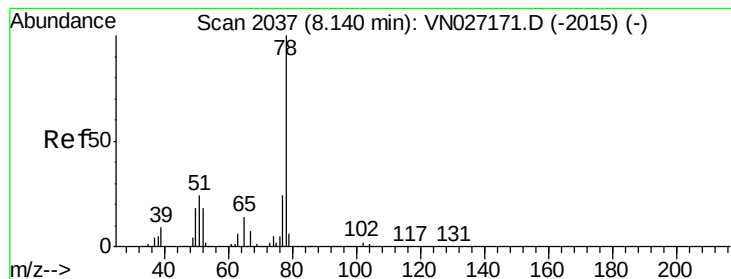
MMDadoda
9/16/2015 11:47:29 AM



#40
Methylcyclohexane
Concen: 46.84 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.6	69.8	104.8
98	42.9	34.3	51.5





#41

Benzene

Concen: 47.11 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091515

Tot Ion: 78 Resp: 1752194

Ion Ratio Lower Upper

78 100

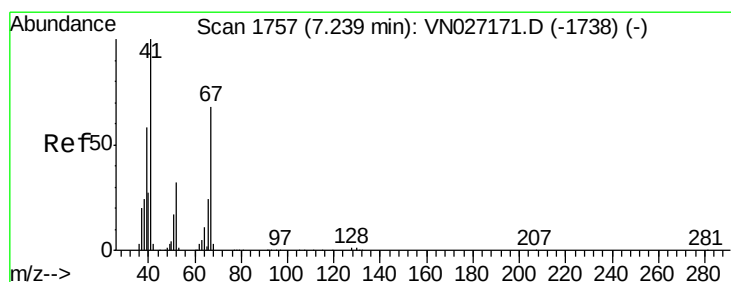
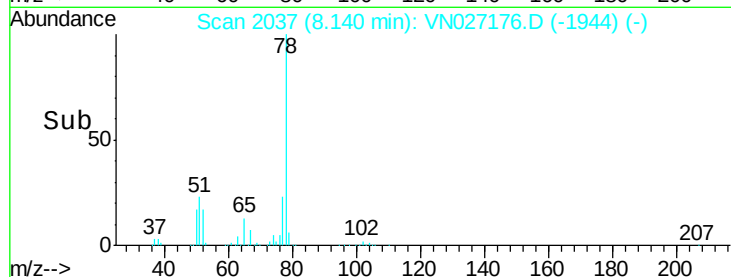
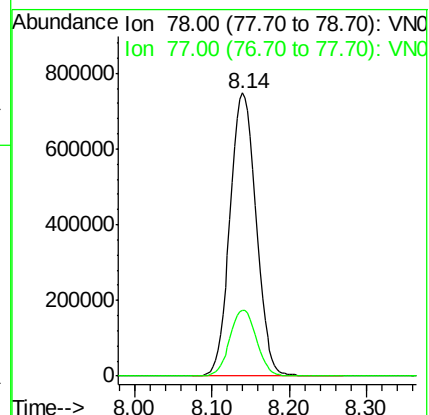
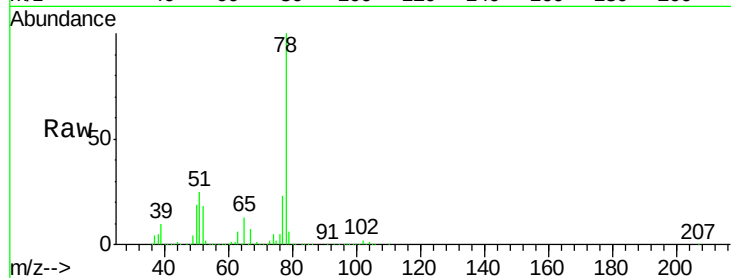
77 23.4 19.0 28.4

Manual Integrations

APPROVED

MMDadoda

9/16/2015 11:47:29 AM



#42

Methacrylonitrile

Concen: 49.02 ug/l

RT: 7.24 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

Tgt Ion: 41 Resp: 302009

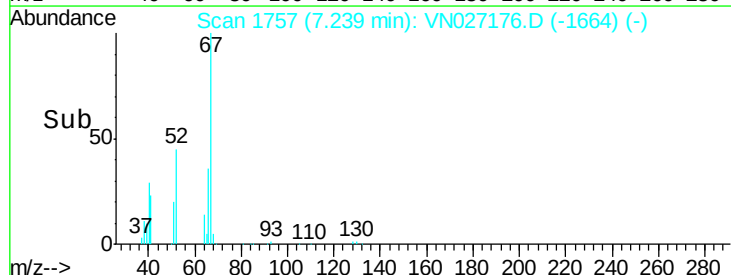
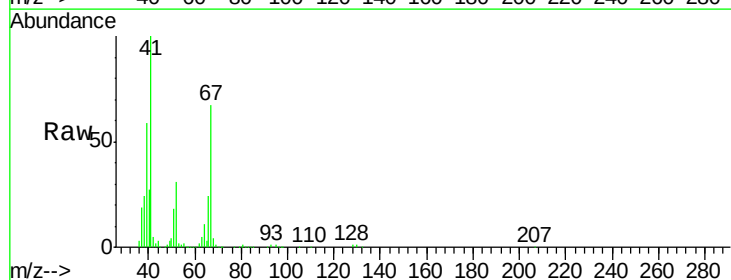
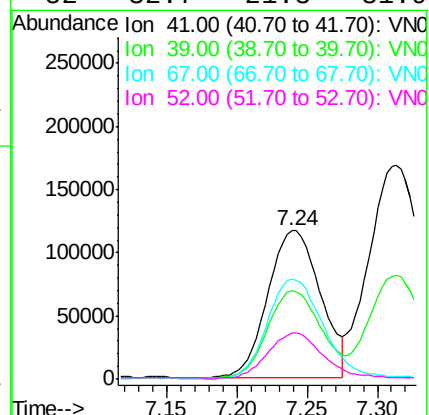
Ion Ratio Lower Upper

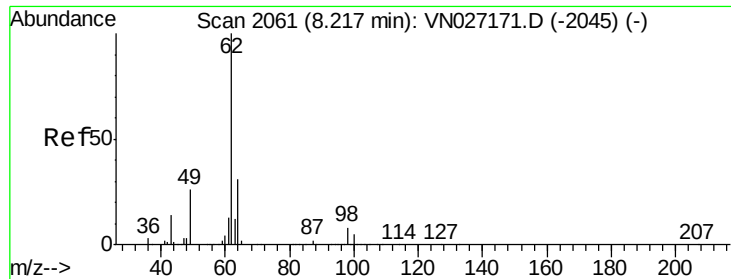
41 100

39 60.9 43.0 64.6

67 72.1 52.2 78.2

52 32.7 21.3 31.9#





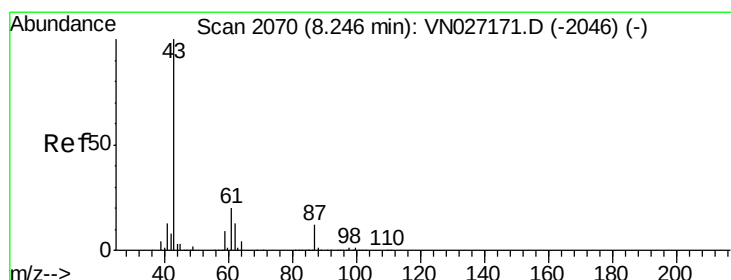
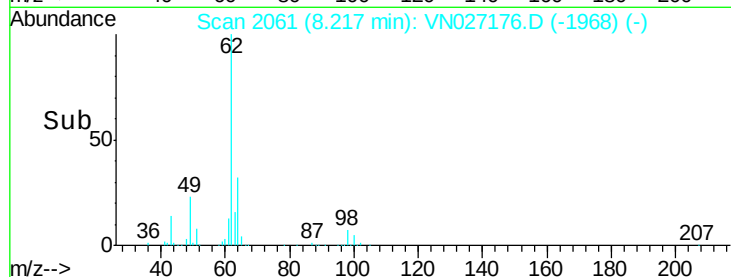
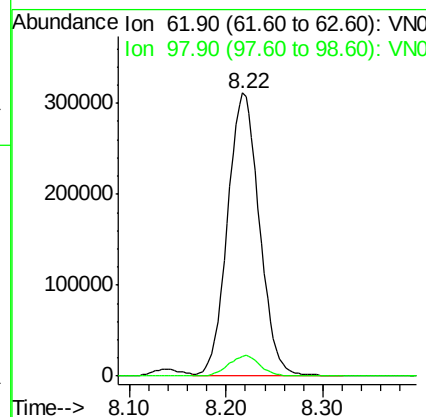
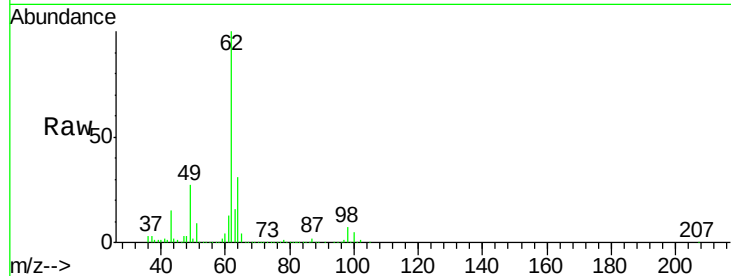
#43
 1,2-Dichloroethane
 Concen: 47.47 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. 0.00 min
 Lab File: VN027176.D
 Acq: 15 Sep 2015 20:34

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091515

Tot Ion	Ratio	Resp	Lower	Upper
62	100	711165		
98	6.9	0.0	18.0	

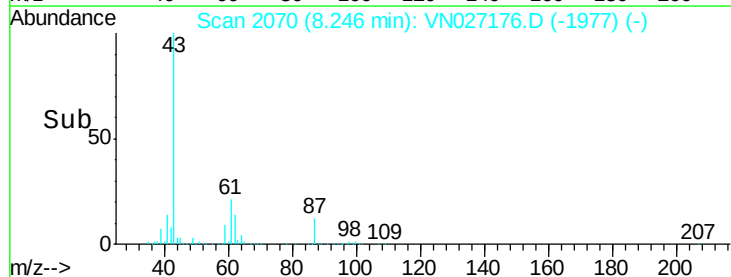
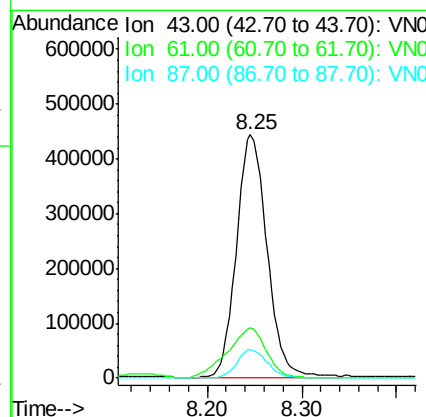
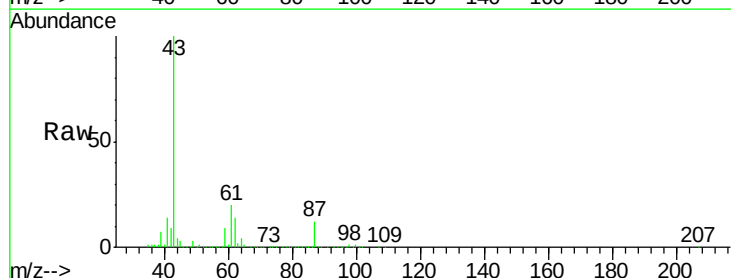
Manual Integrations
 APPROVED

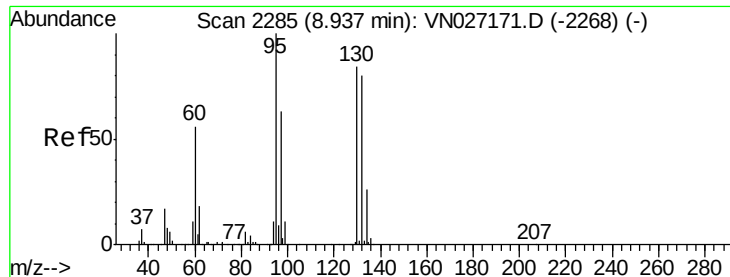
MMDadoda
 9/16/2015 11:47:29 AM



#44
 Isopropyl Acetate
 Concen: 48.82 ug/l
 RT: 8.25 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VN027176.D
 Acq: 15 Sep 2015 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	994328		
61	26.2	20.6	31.0	
87	11.9	8.6	13.0	





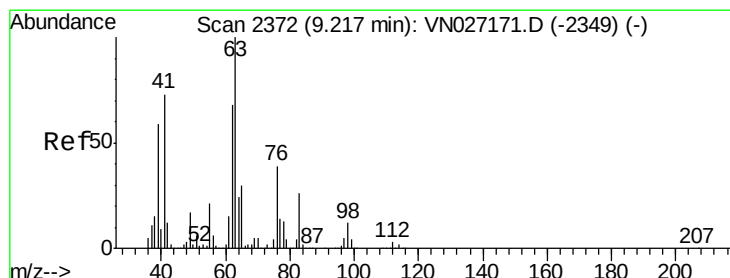
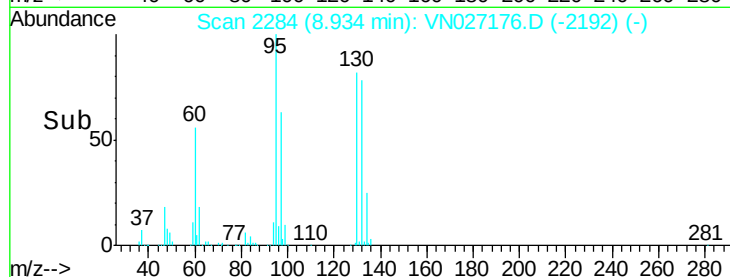
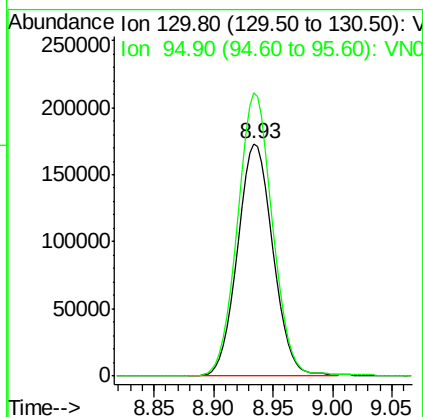
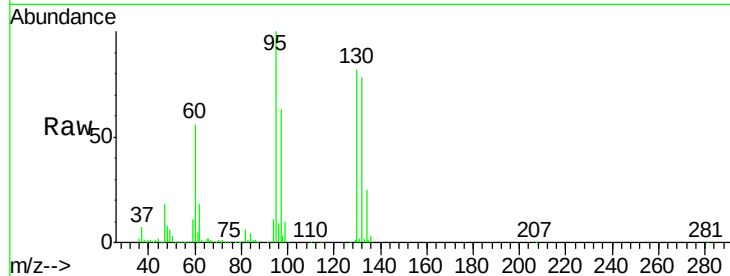
#45
 Trichloroethene
 Concen: 47.81 ug/l
 RT: 8.93 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN027176.D
 Acq: 15 Sep 2015 20:34

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091515

Tot Ion	Ratio	Resp	Lower	Upper
130	100			
95	121.6	0.0	222.2	

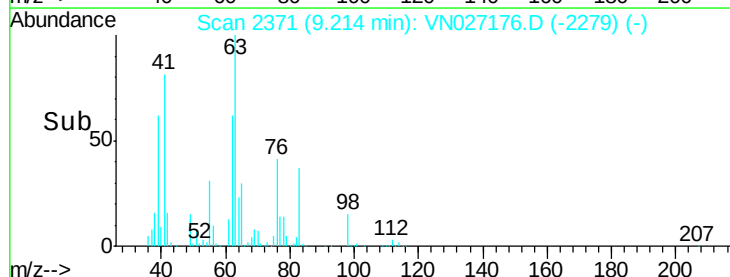
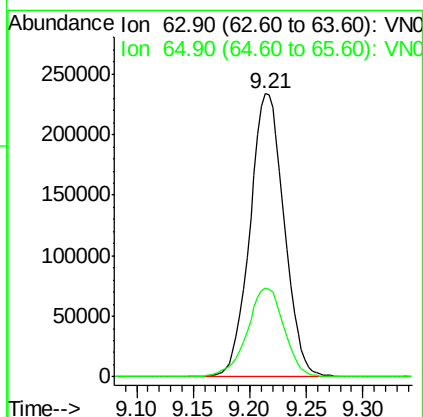
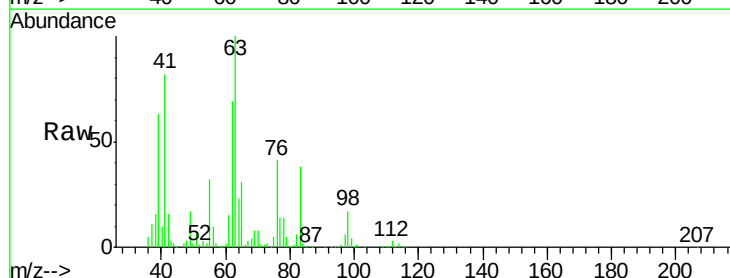
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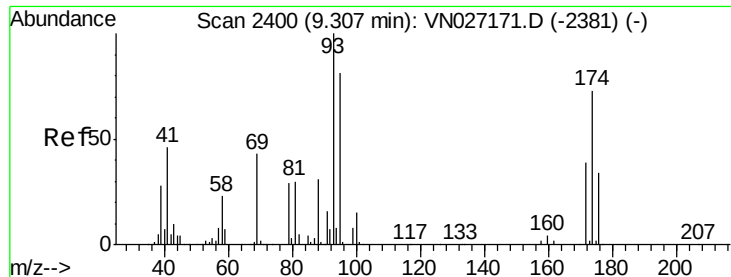
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#46
 1,2-Dichloropropane
 Concen: 46.03 ug/l
 RT: 9.21 min Scan# 2371
 Delta R.T. -0.00 min
 Lab File: VN027176.D
 Acq: 15 Sep 2015 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
63	100			
65	31.1	24.4	36.6	





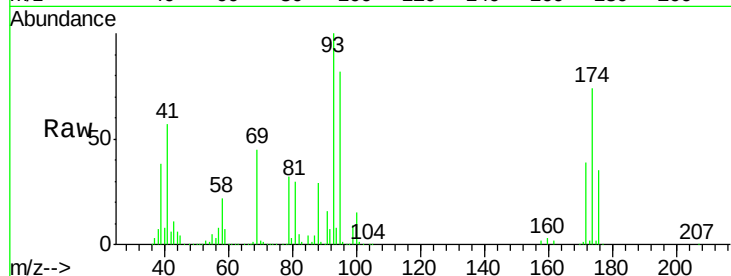
#47
Dibromomethane
Concen: 46.61 ug/l
RT: 9.31 min Scan# 2400
Delta R.T. 0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091515

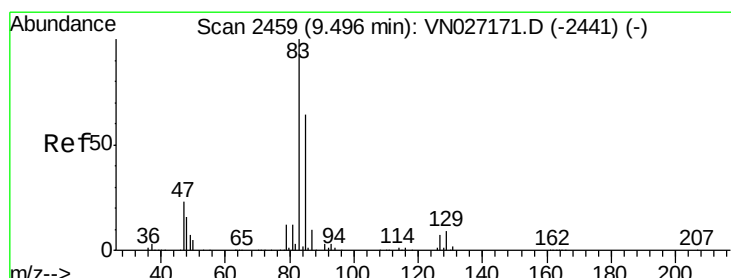
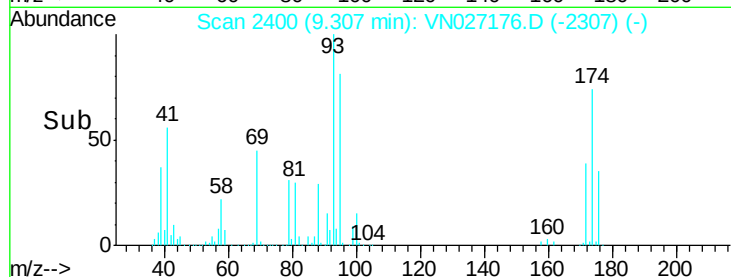
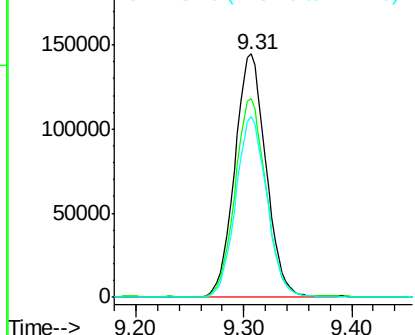
Tot Ion	Ratio	Resp	Lower	Upper
93	100	292805		
95	80.4	66.3	99.5	
174	73.7	67.8	101.6	

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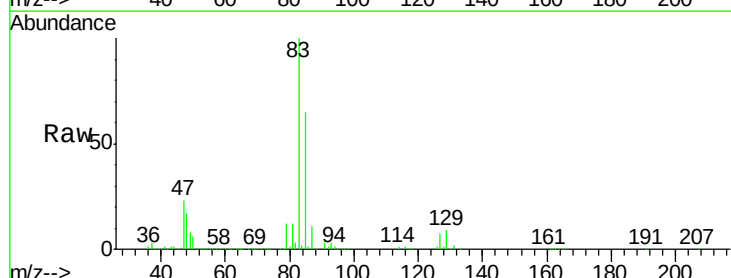


Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V

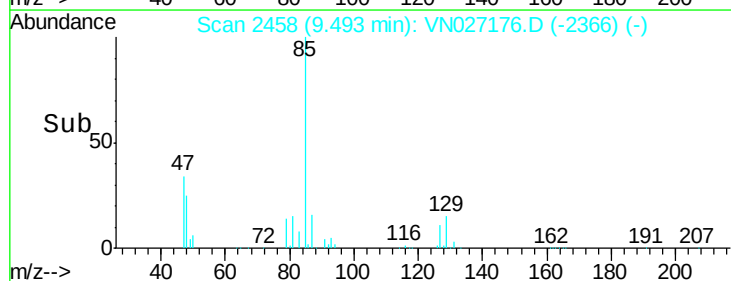
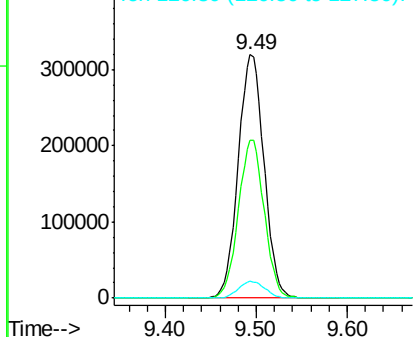


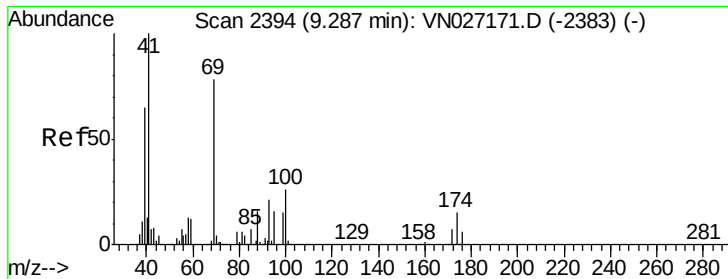
#48
Bromodichloromethane
Concen: 47.50 ug/l
RT: 9.49 min Scan# 2458
Delta R.T. -0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	628834		
85	64.9	50.7	76.1	
127	6.9	5.5	8.3	



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V





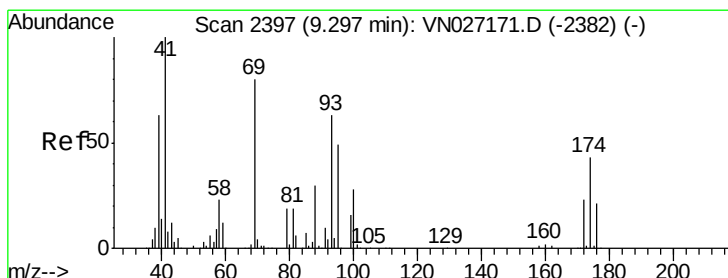
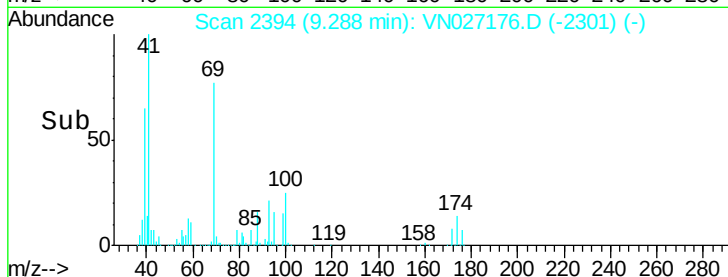
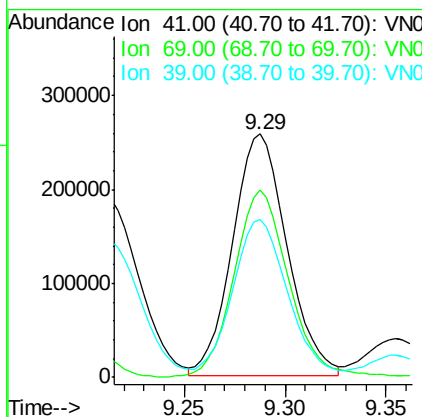
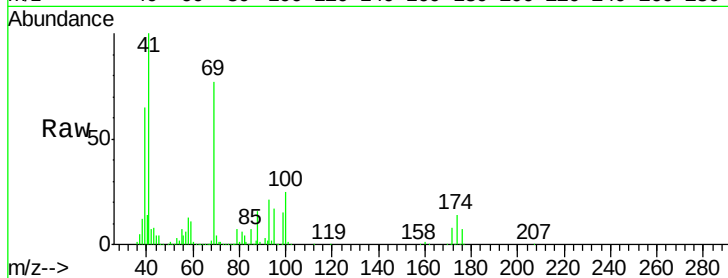
#49
Methvl methacrylate
Concen: 47.93 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. 0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091515

Tot Ion	Ratio	Lower	Upper
41	100		
69	76.9	59.3	88.9
39	65.6	39.5	59.3#

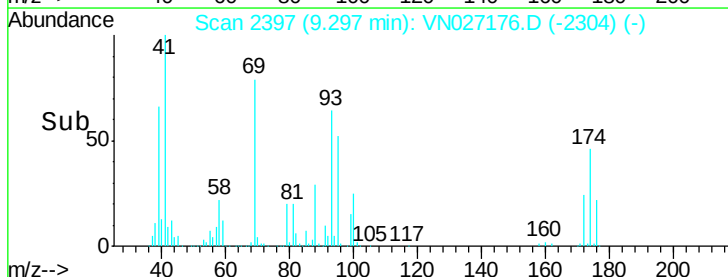
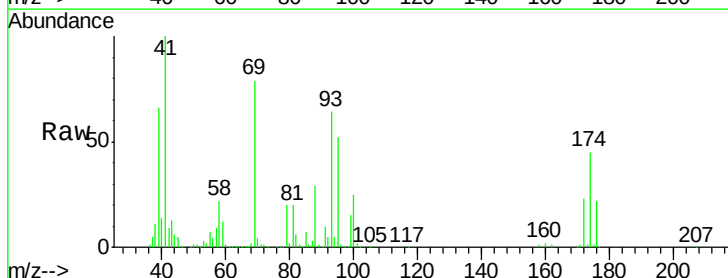
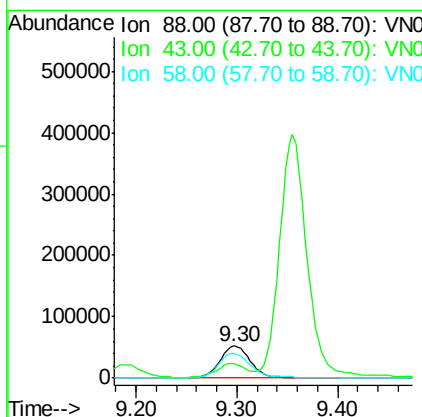
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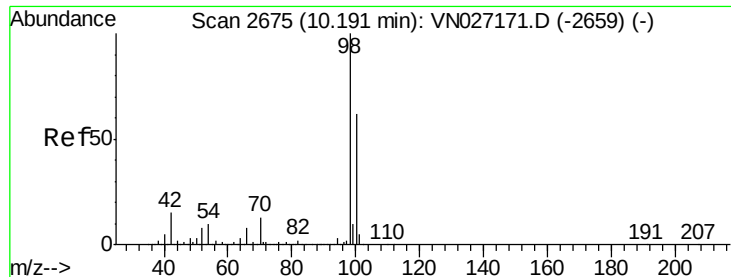
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#50
1,4-Dioxane
Concen: 940.40 ug/l
RT: 9.30 min Scan# 2397
Delta R.T. 0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Tgt Ion	Ratio	Lower	Upper
88	100		
43	40.9	27.6	41.4
58	77.7	63.1	94.7





#51

Toluene-d8

Concen: 47.35 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

Instrument :

MSVOA_N

ClientSampled :

ICVVN091515

Tot Ion: 98 Resp: 1399390

Ion Ratio Lower Upper

98 100

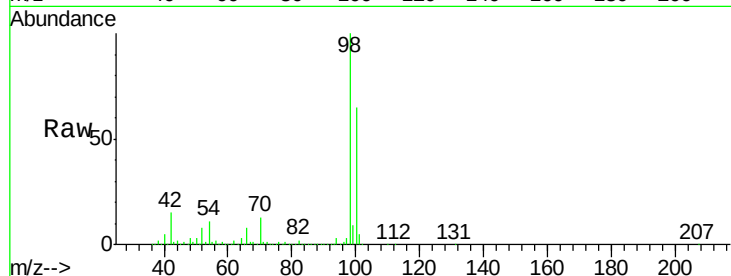
100 63.4 50.5 75.7

Manual Integrations

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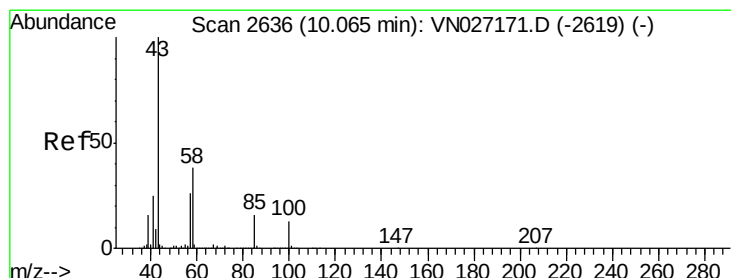
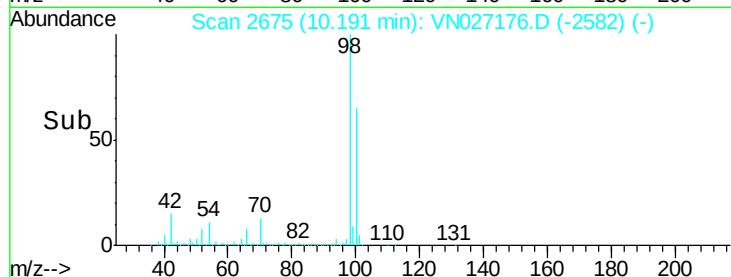
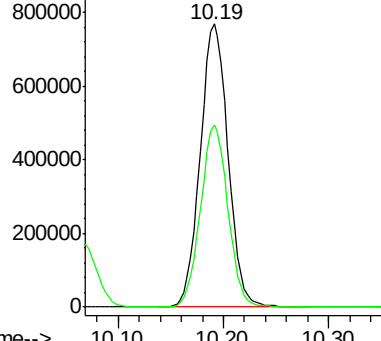
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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#52

4-Methyl-2-Pentanone

Concen: 237.30 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN027176.D

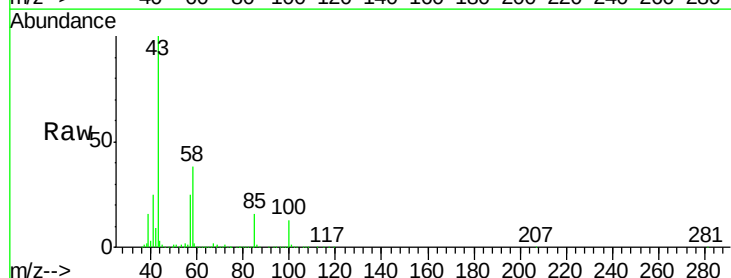
Acq: 15 Sep 2015 20:34

Tgt Ion: 43 Resp: 2555560

Ion Ratio Lower Upper

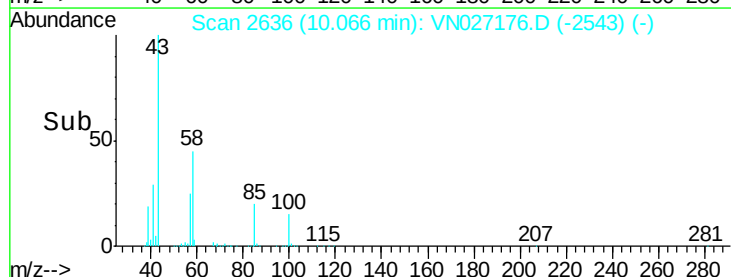
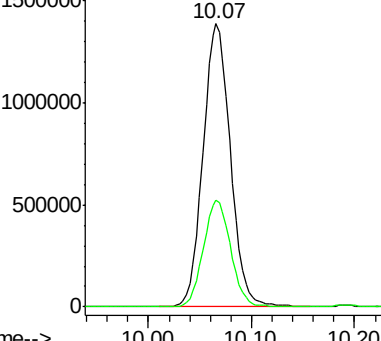
43 100

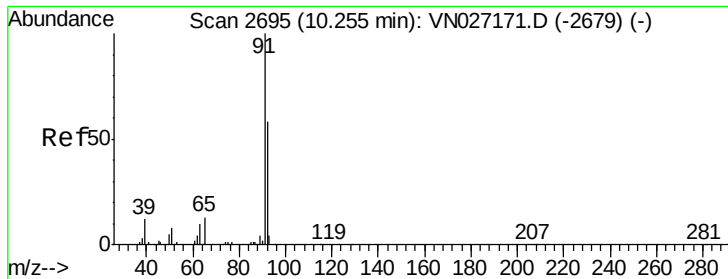
58 37.8 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#53

Toluene

Concen: 47.22 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

Instrument :

MSVOA_N

ClientSampled :

ICVVN091515

Tot Ion: 92 Resp: 1028654

Ion Ratio Lower Upper

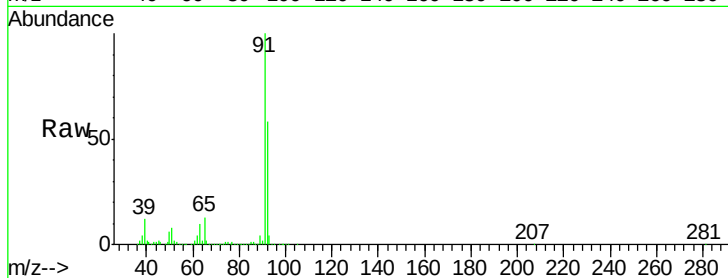
92 100

91 172.4 141.4 212.2

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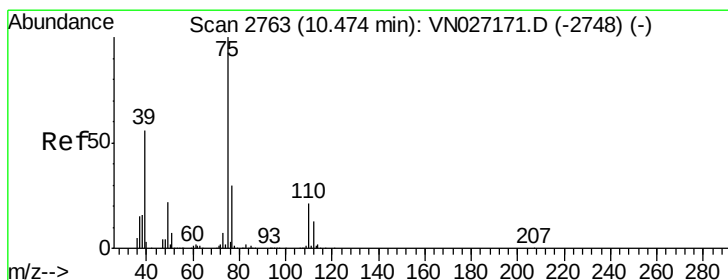
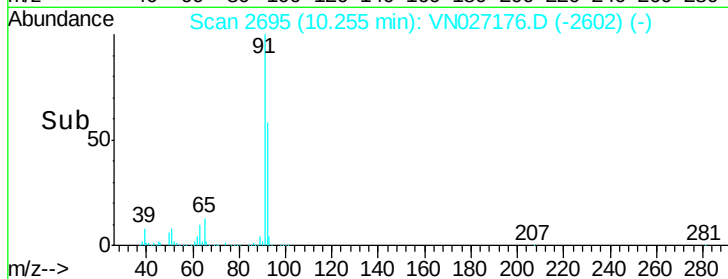
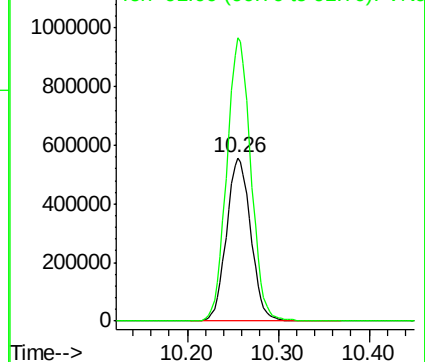
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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

t-1,3-Dichloropropene

Concen: 47.43 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027176.D

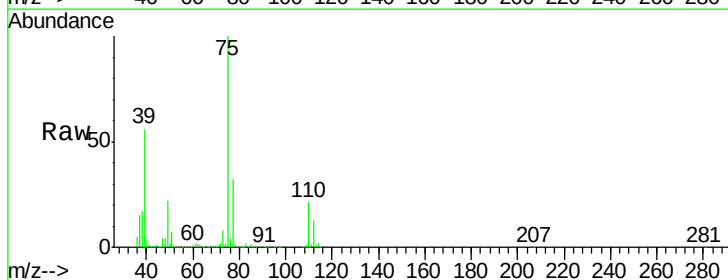
Acq: 15 Sep 2015 20:34

Tgt Ion: 75 Resp: 705231

Ion Ratio Lower Upper

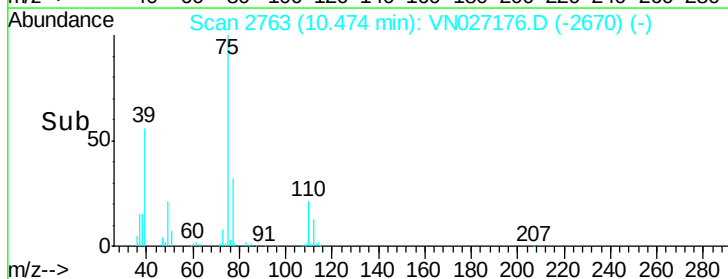
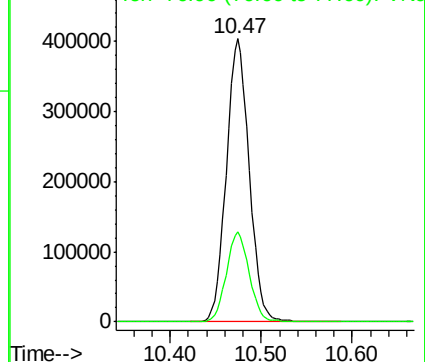
75 100

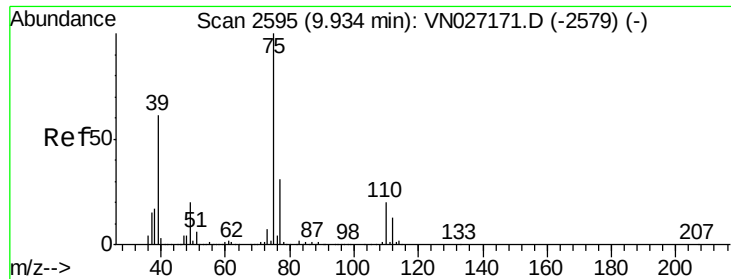
77 31.5 25.4 38.2



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: 46.49 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

Instrument :

MSVOA_N

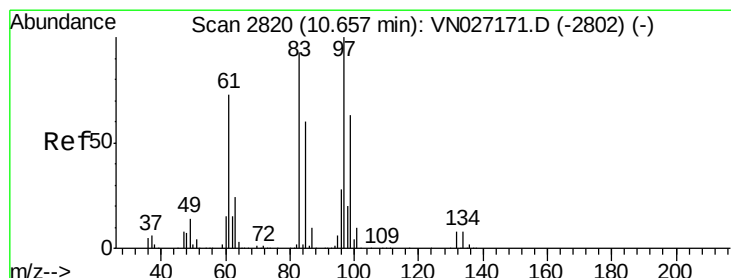
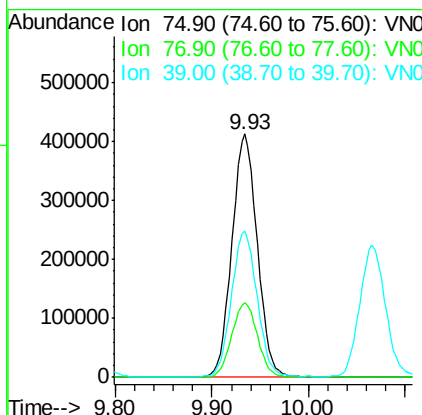
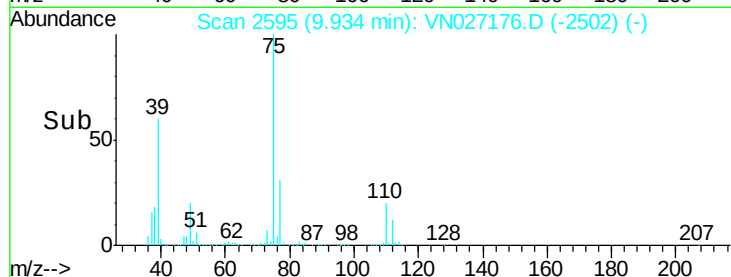
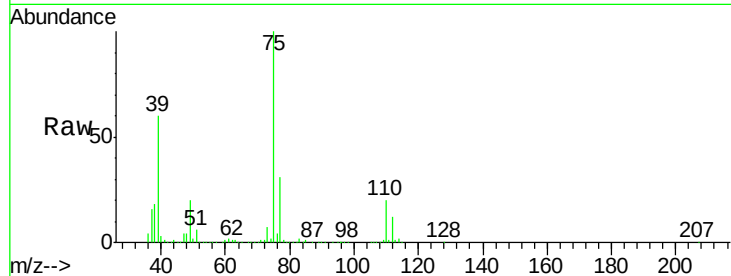
ClientSampled :

ICVVN091515

Tot Ion:	75	Resp:	751918
Ion Ratio	Lower	Upper	
75	100		
77	30.7	25.6	38.4
39	59.9	41.6	62.4

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#56

1,1,2-Trichloroethane

Concen: 47.87 ug/l

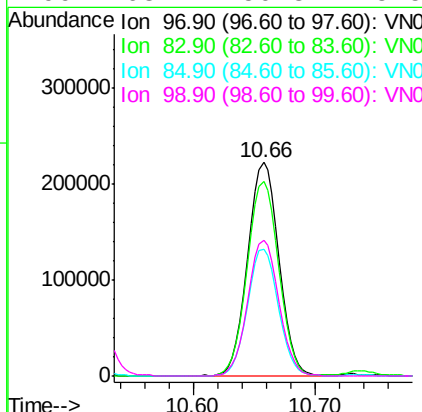
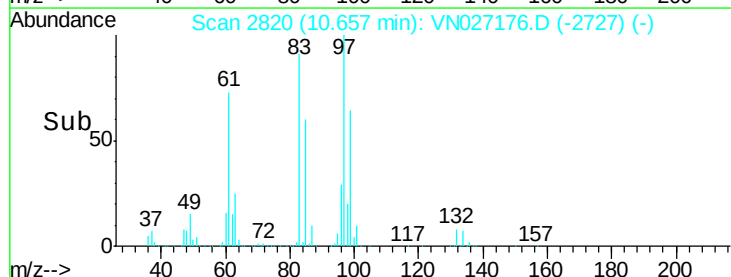
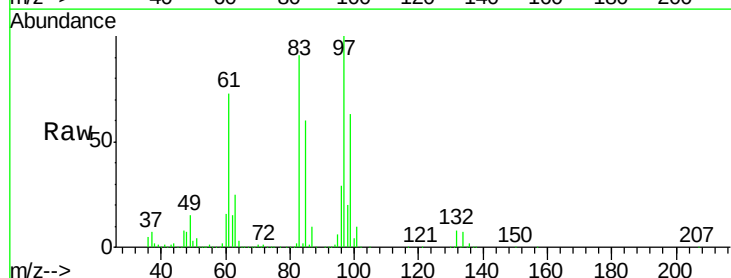
RT: 10.66 min Scan# 2820

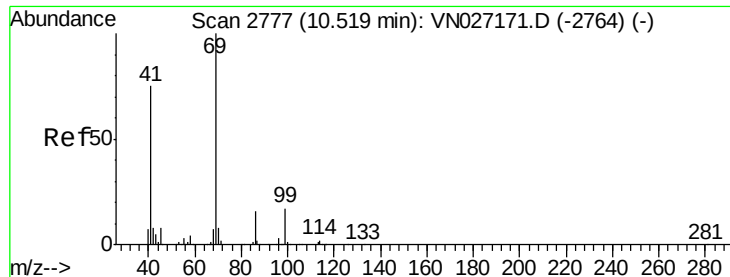
Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

Tgt Ion:	97	Resp:	391887
Ion Ratio	Lower	Upper	
97	100		
83	90.9	75.0	112.4
85	59.6	48.0	72.0
99	63.4	50.3	75.5





#57

Ethyl methacrylate

Concen: 47.77 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

Instrument :

MSVOA_N

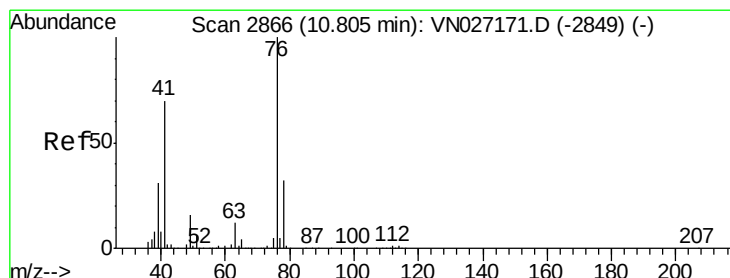
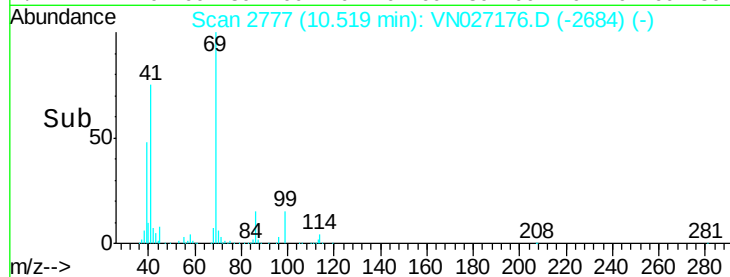
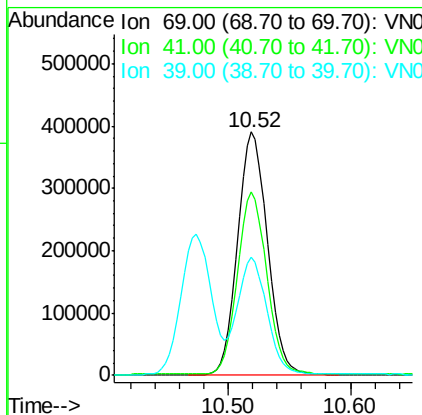
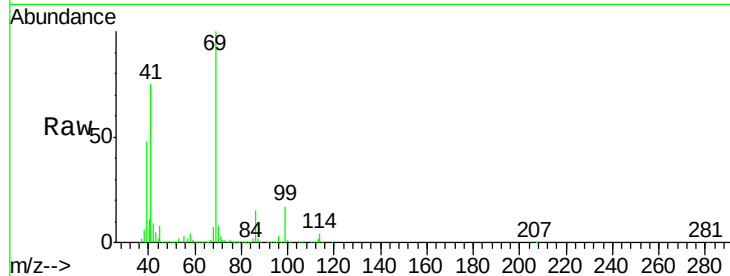
ClientSampleId :

ICVVN091515

Tot Ion:	69	Resp:	659133
Ion	Ratio	Lower	Upper
69	100		
41	73.5	61.3	91.9
39	47.9	28.4	42.6

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#58

1,3-Dichloropropane

Concen: 47.51 ug/l

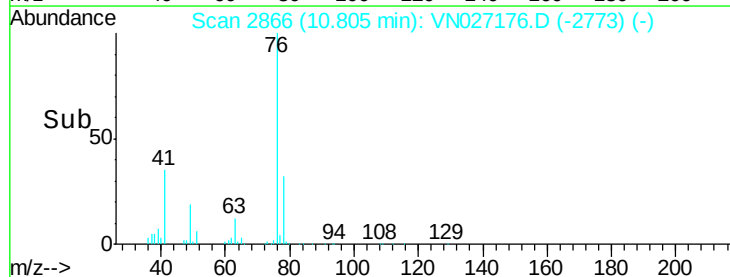
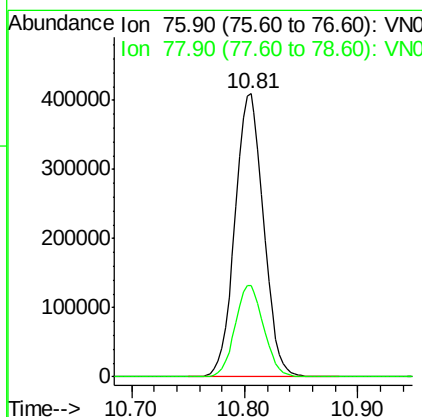
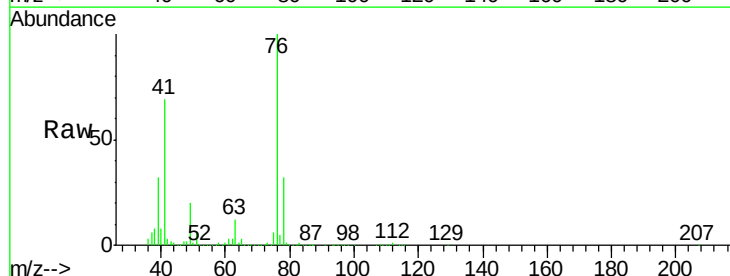
RT: 10.81 min Scan# 2866

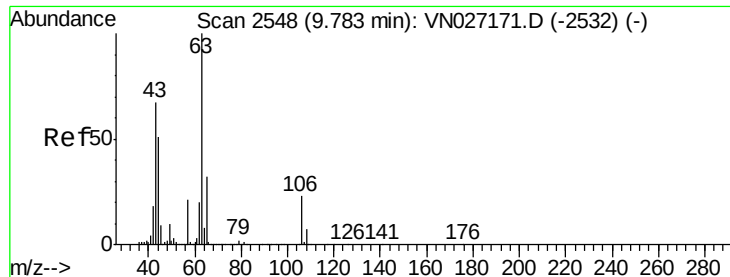
Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

Tgt Ion:	76	Resp:	722018
Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.0	37.6





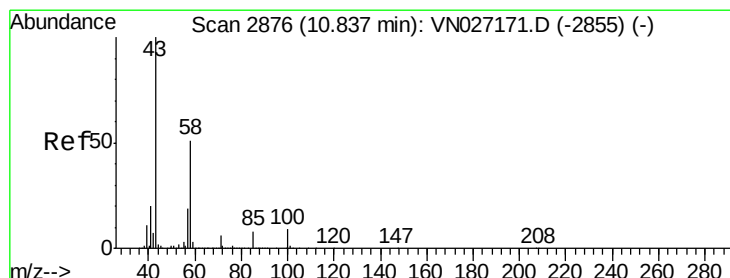
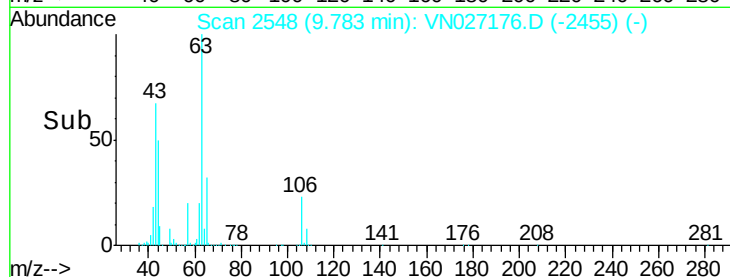
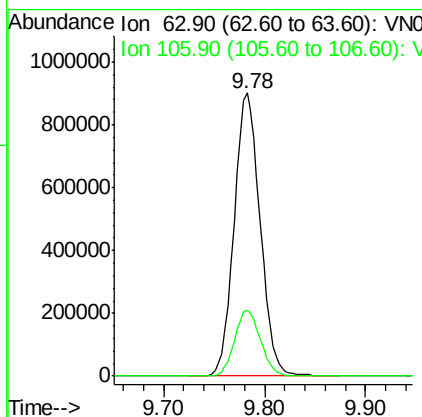
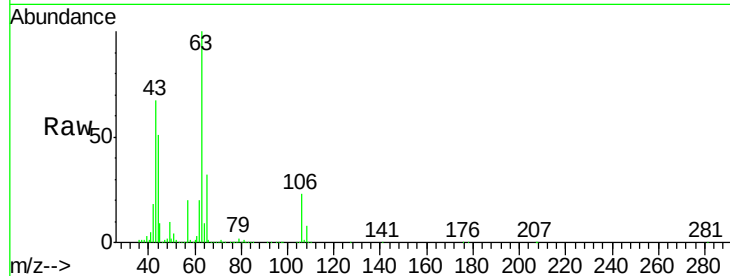
#59
2-Chloroethyl Vinyl ether
Concen: 254.61 ug/l
RT: 9.78 min Scan# 2548
Delta R.T. 0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091515

Tot Ion: 63 Resp: 1612901
Ion Ratio Lower Upper
63 100
106 23.2 17.7 26.5

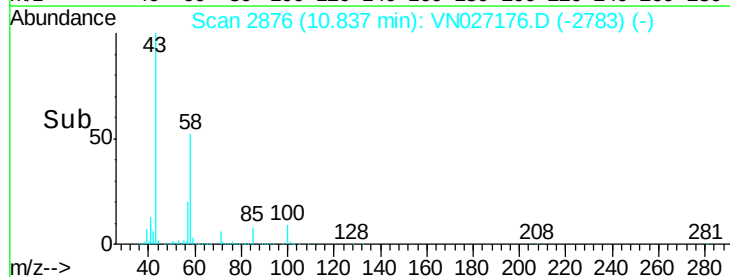
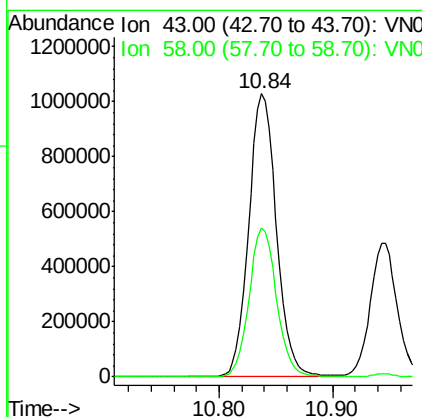
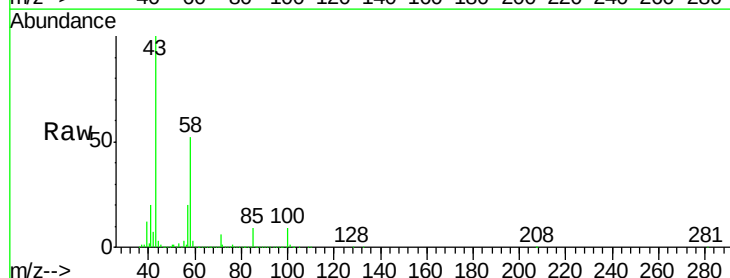
Manual Integrations
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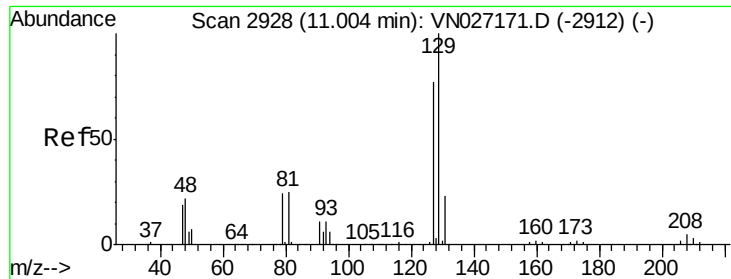
MMDadoda
9/16/2015 11:47:29 AM



#60
2-Hexanone
Concen: 238.00 ug/l
RT: 10.84 min Scan# 2876
Delta R.T. 0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Tgt Ion: 43 Resp: 1745044
Ion Ratio Lower Upper
43 100
58 52.4 26.2 78.5





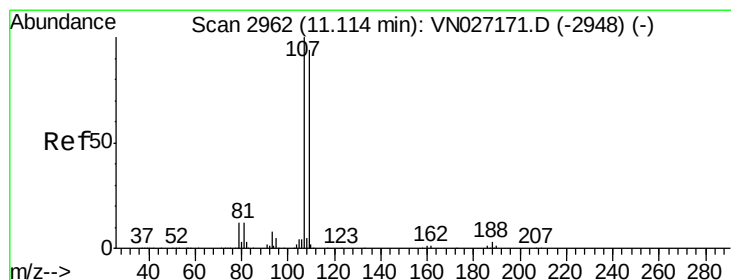
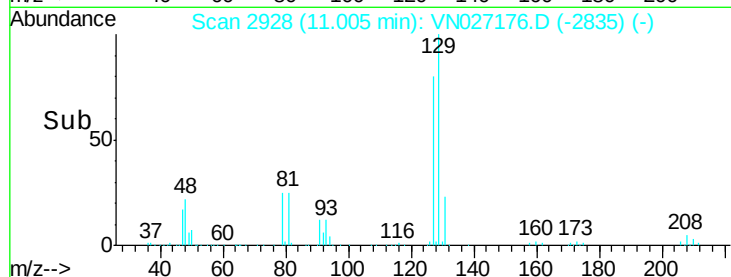
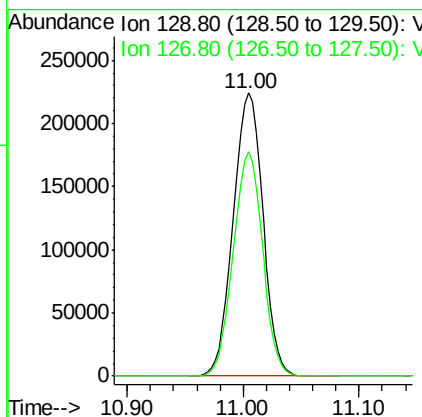
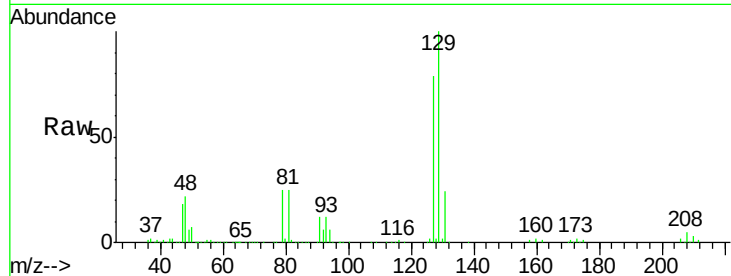
#61
Dibromochloromethane
Concen: 47.62 ug/l
RT: 11.00 min Scan# 2928
Delta R.T. 0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091515

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.2

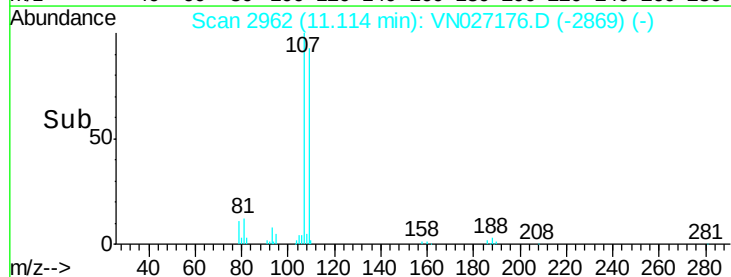
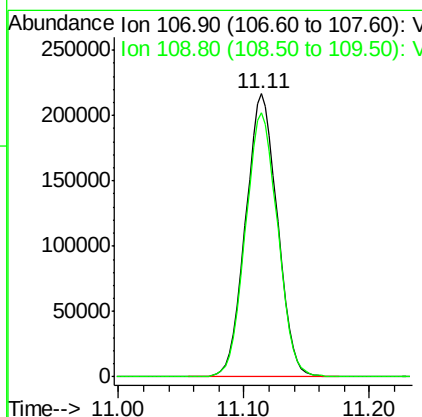
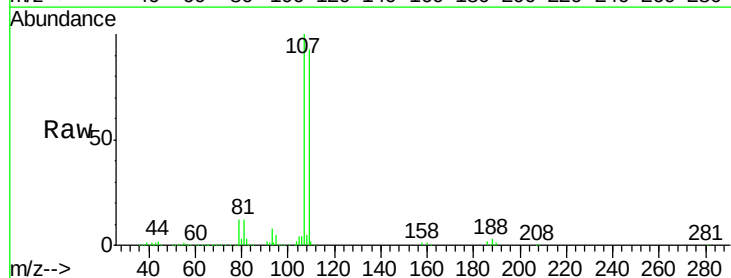
Manual Integrations
APPROVED

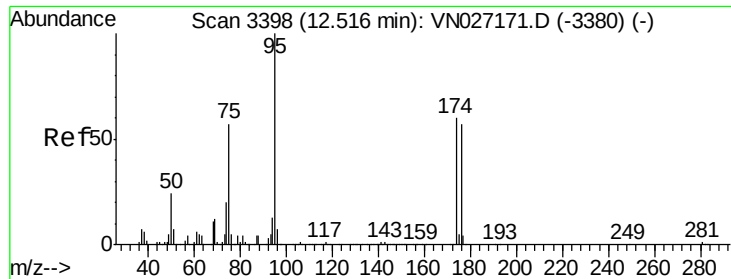
MMDadoda
9/16/2015 11:47:29 AM



#62
1,2-Dibromoethane
Concen: 47.55 ug/l
RT: 11.11 min Scan# 2962
Delta R.T. 0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.6	113.4





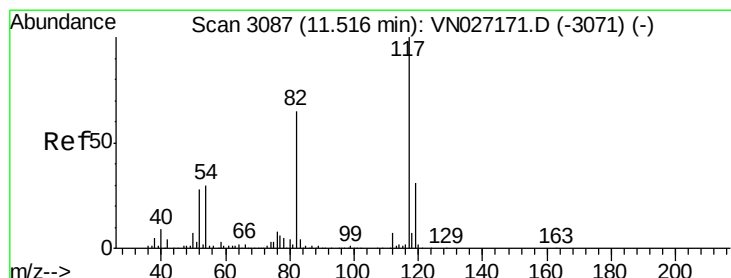
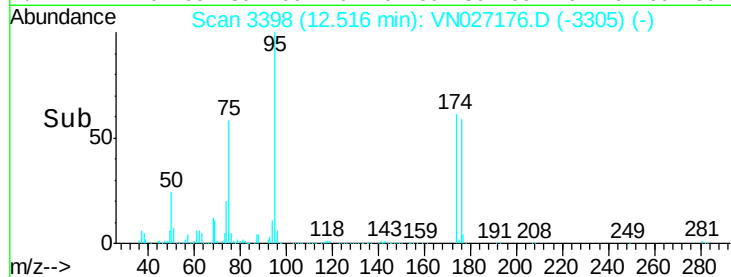
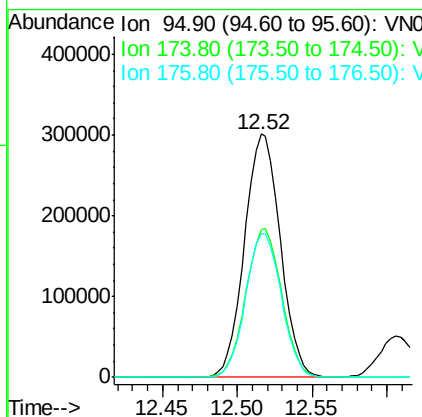
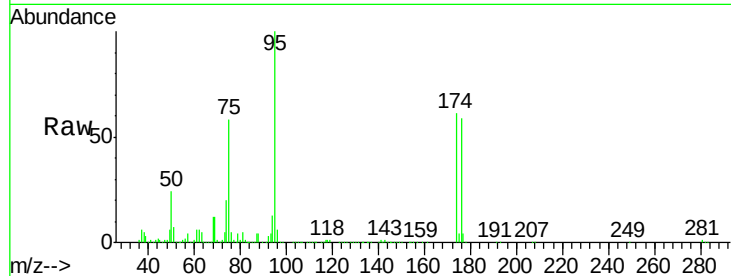
#63
4-Bromofluorobenzene
Concen: 47.74 ug/l
RT: 12.52 min Scan# 3398
Delta R.T. 0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091515

Tot Ion	Ratio	Resp	Lower	Upper
95	100	500726		
174	61.2	0.0	137.0	
176	59.0	0.0	130.8	

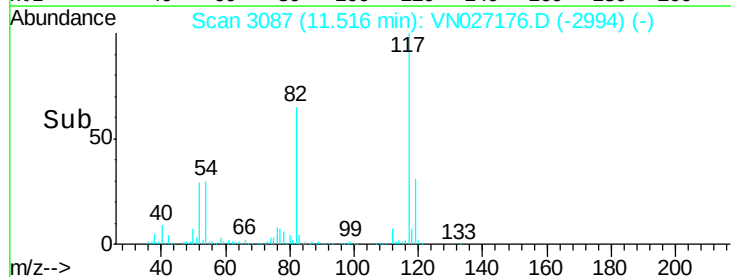
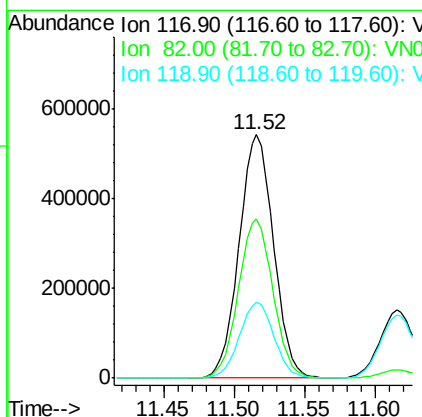
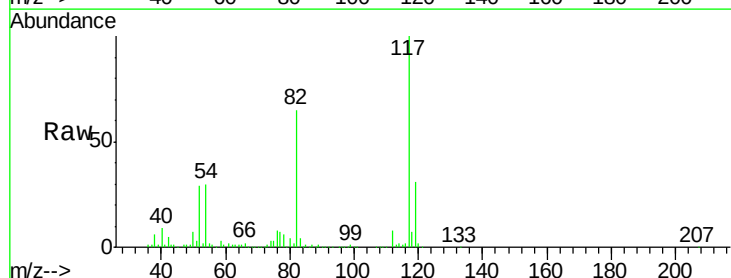
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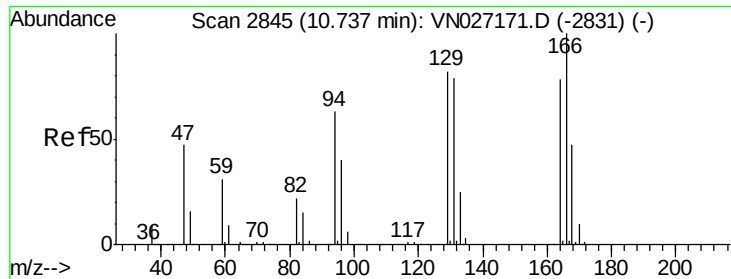
MMDadoda
9/16/2015 11:47:29 AM



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	933180		
82	65.3	49.6	74.4	
119	31.0	24.6	36.8	





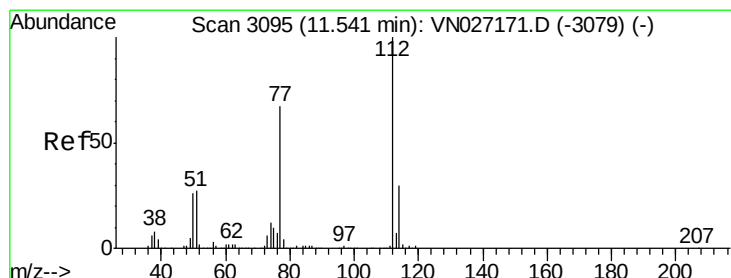
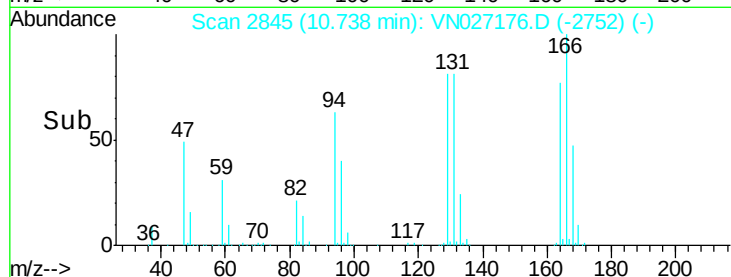
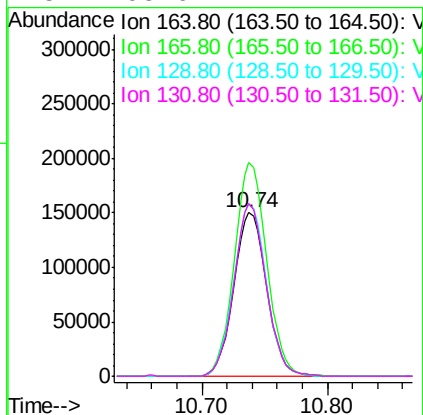
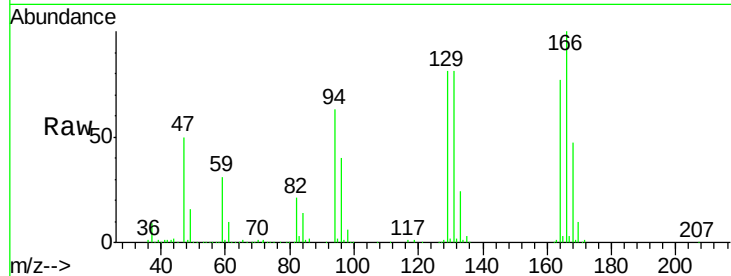
#65
Tetrachloroethene
Concen: 45.81 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091515

Tot Ion	164	Resp	273367
Ion Ratio	Lower	Upper	
164	100		
166	130.6	103.4	155.0
129	105.2	77.5	116.3
131	105.6	74.2	111.4

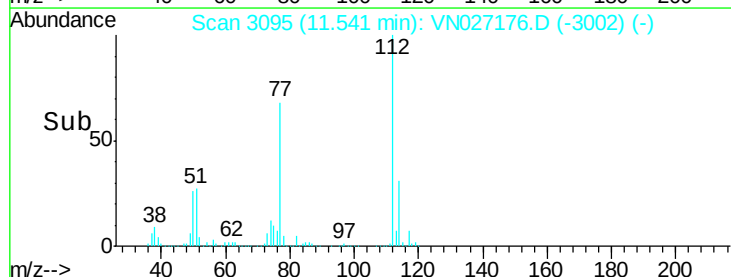
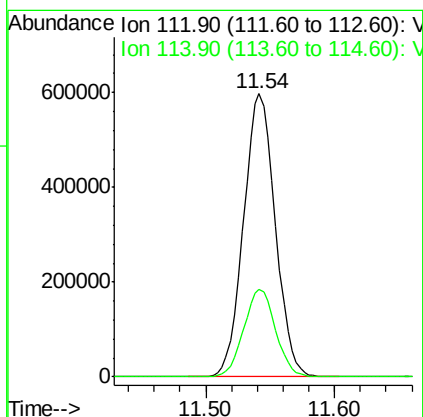
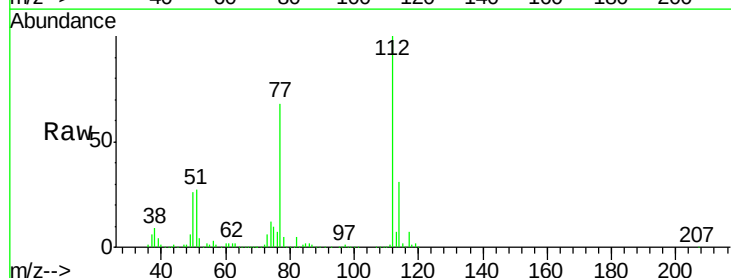
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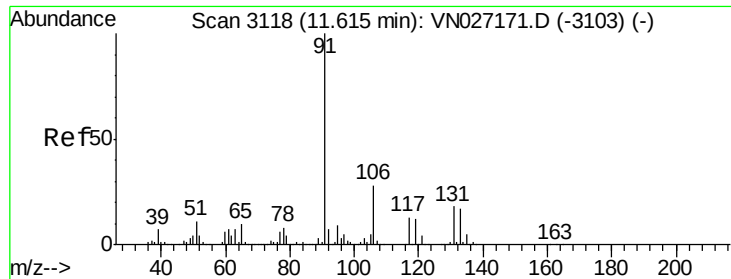
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#66
Chlorobenzene
Concen: 46.43 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Tgt Ion	112	Resp	1022801
Ion Ratio	Lower	Upper	
112	100		
114	31.1	24.9	37.3





#67

1,1,1,2-Tetrachloroethane

Concen: 46.80 ug/l

RT: 11.62 min Scan# 3118

Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

Instrument :

MSVOA_N

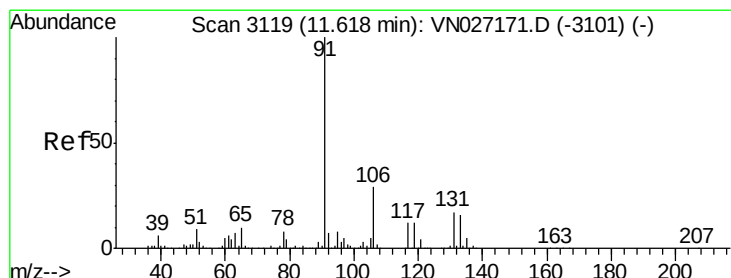
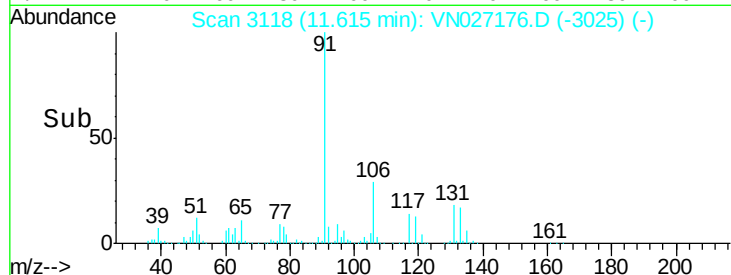
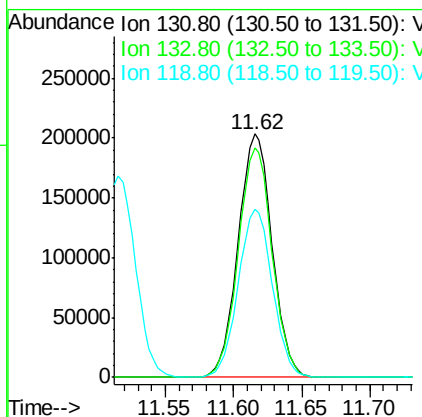
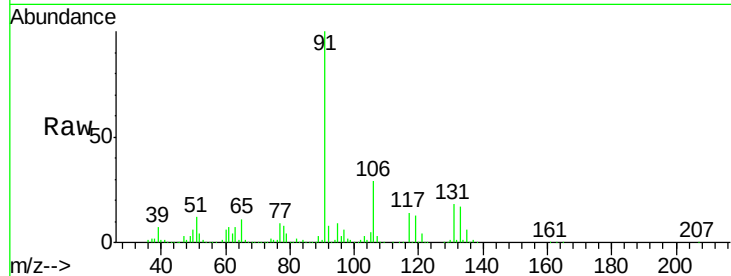
ClientSampled :

ICVVN091515

Tot Ion	Ratio	Resp	Lower	Upper
131	100	351684		
133	94.2	47.0	141.2	
119	69.3	35.1	105.5	

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#68

Ethyl Benzene

Concen: 46.40 ug/l

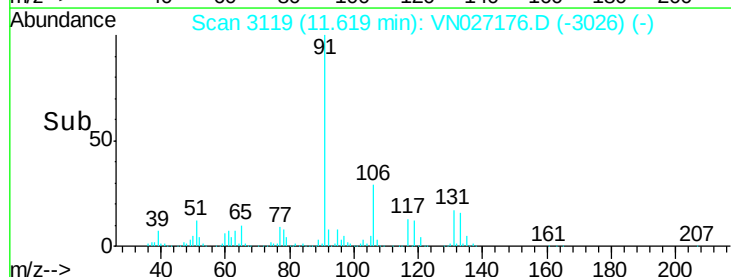
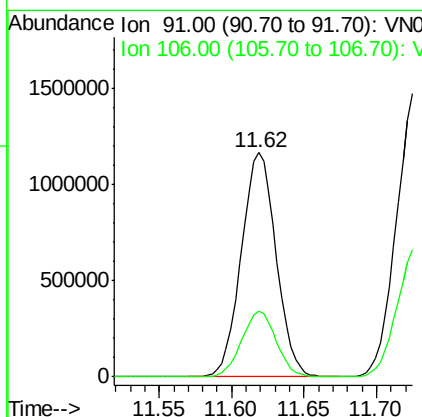
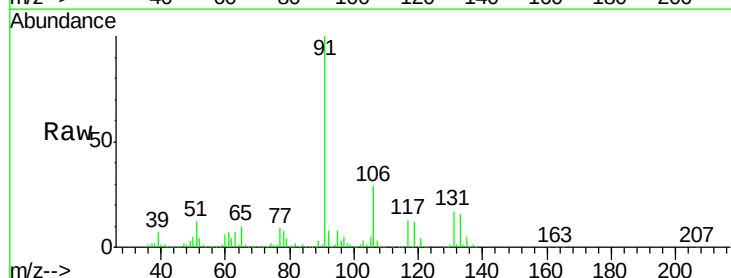
RT: 11.62 min Scan# 3119

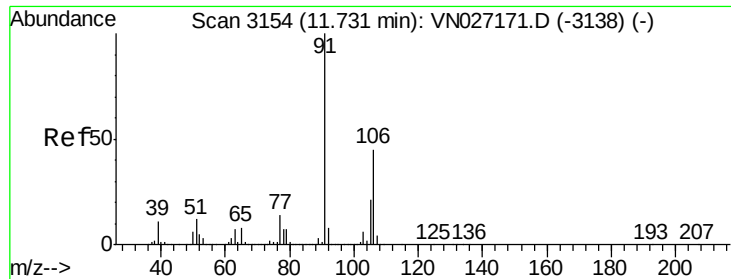
Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1938322		
106	29.2	23.1	34.7	





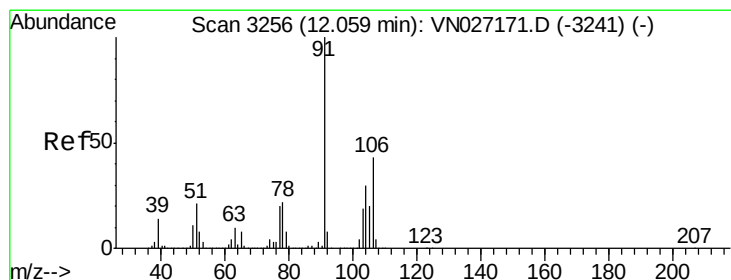
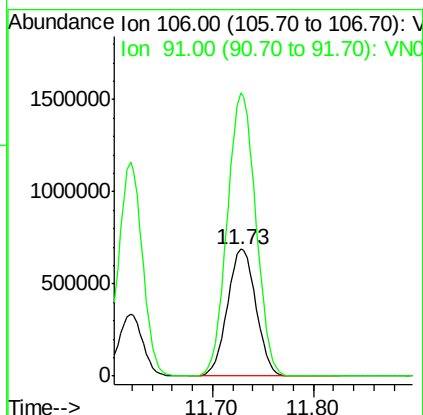
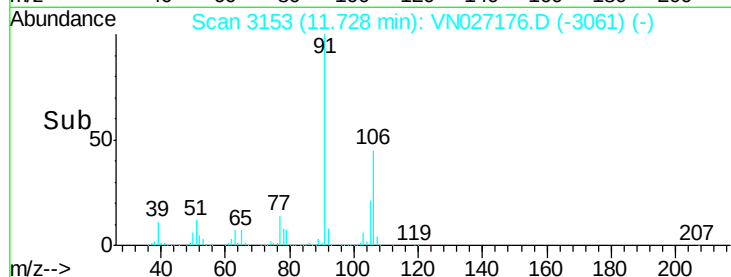
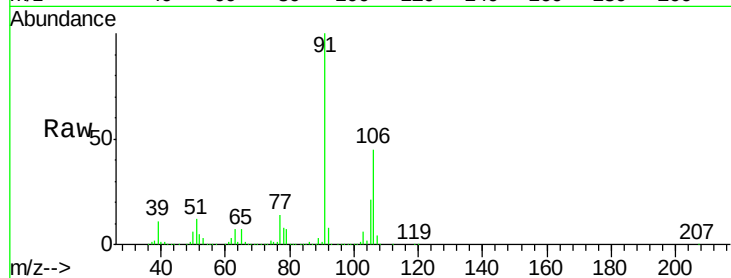
#69
m/p-Xylenes
Concen: 94.06 ug/l
RT: 11.73 min Scan# 3153
Delta R.T. -0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091515

Tot Ion:106 Resp: 1355687
Ion Ratio Lower Upper
106 100
91 223.1 167.1 250.7

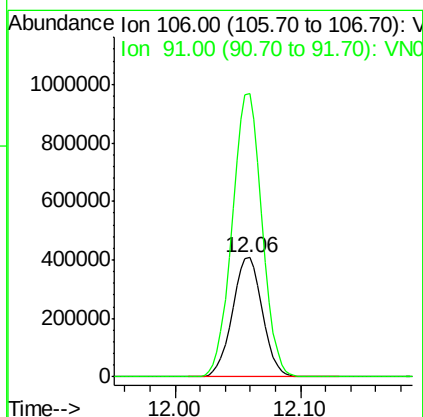
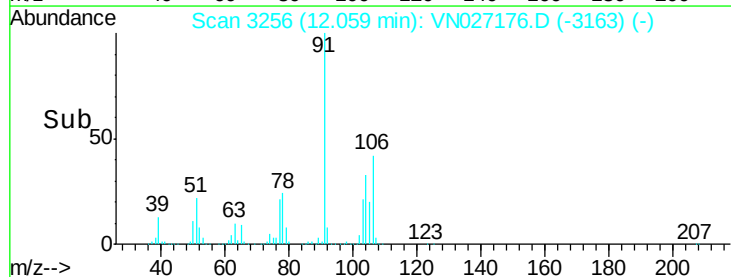
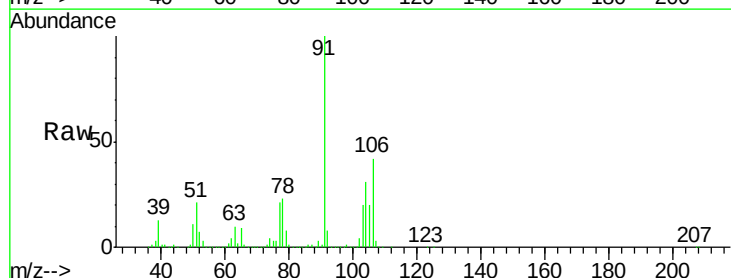
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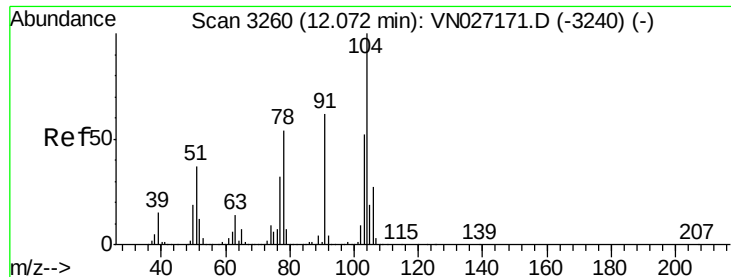
MMDadoda
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#70
o-Xylene
Concen: 46.78 ug/l
RT: 12.06 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Tgt Ion:106 Resp: 675935
Ion Ratio Lower Upper
106 100
91 235.0 110.7 331.9





#71

Stvrene

Concen: 47.93 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091515

Tot Ion:104 Resp: 1118039

Ion Ratio Lower Upper

104 100

78 59.3 41.6 62.4

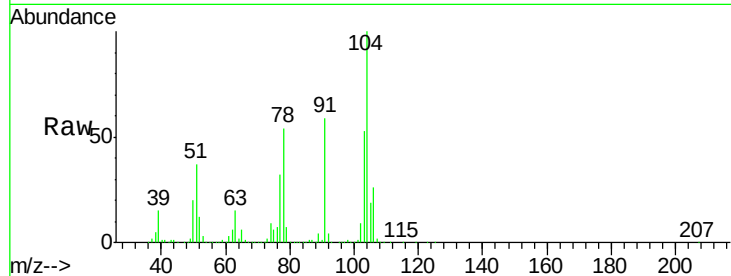
103 56.2 44.2 66.2

Manual Integrations

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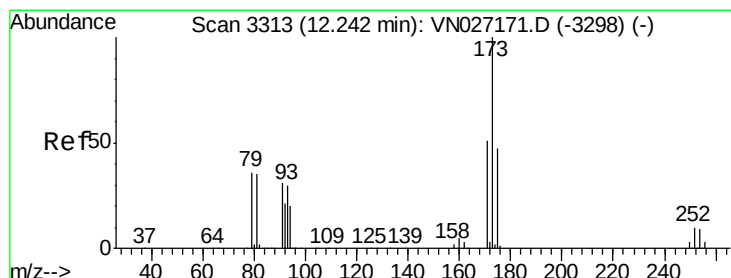
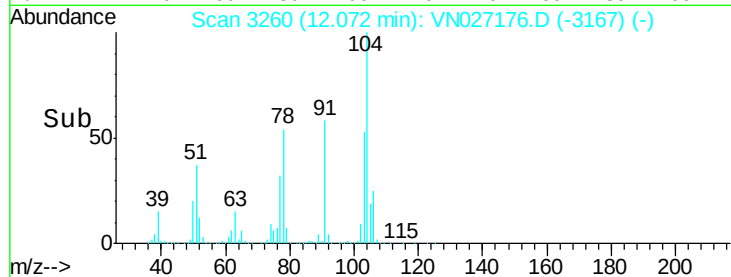
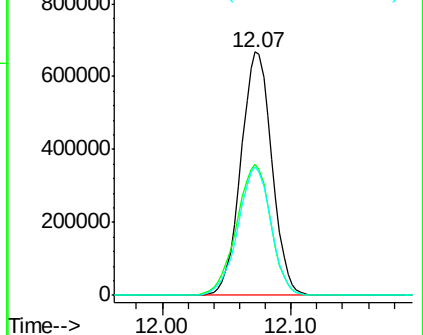
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Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

Bromoform

Concen: 47.41 ug/l

RT: 12.24 min Scan# 3312

Delta R.T. -0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

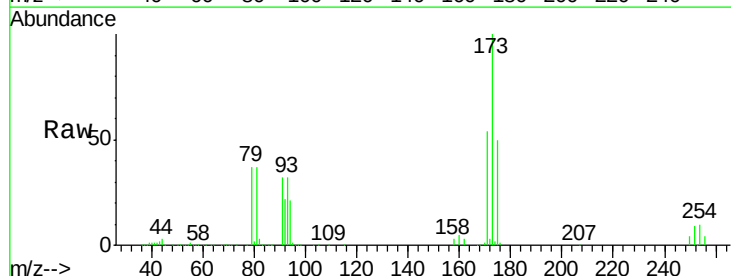
Tgt Ion:173 Resp: 247755

Ion Ratio Lower Upper

173 100

175 49.3 24.4 73.4

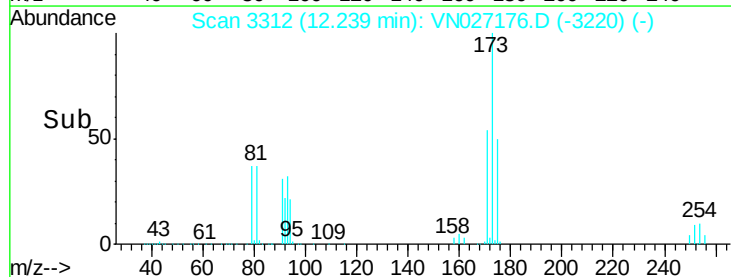
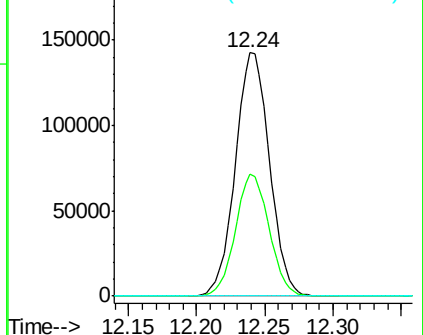
254 0.1 0.1 0.1#

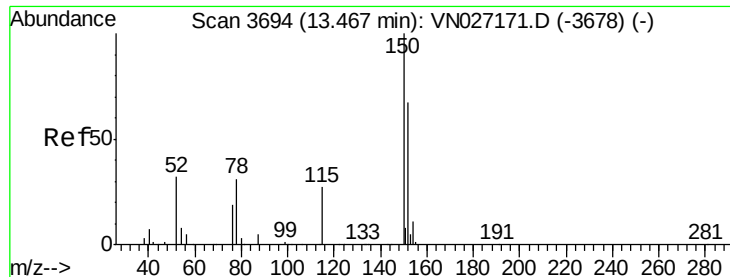


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





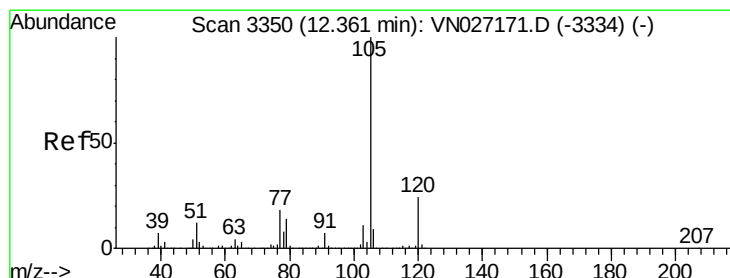
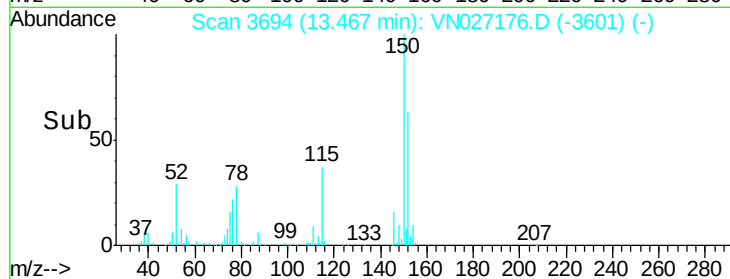
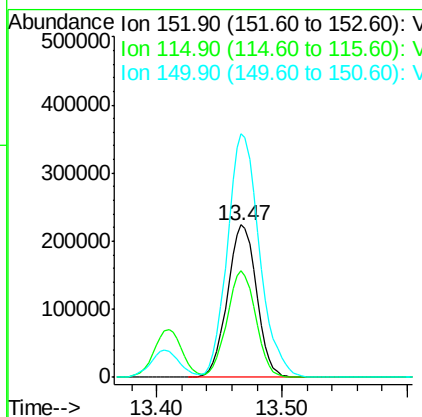
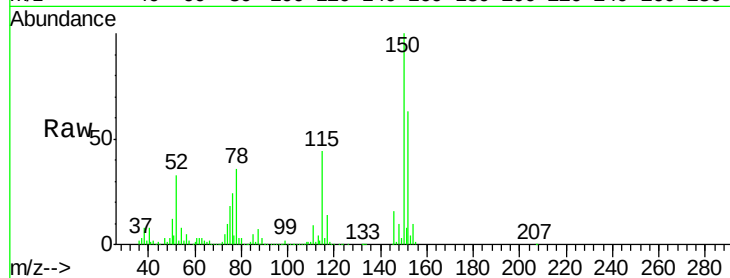
#73
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.47 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN027176.D
 Acq: 15 Sep 2015 20:34

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091515

Tot Ion	Ratio	Lower	Upper
152	100		
115	68.7	30.8	92.3
150	175.0	0.0	345.0

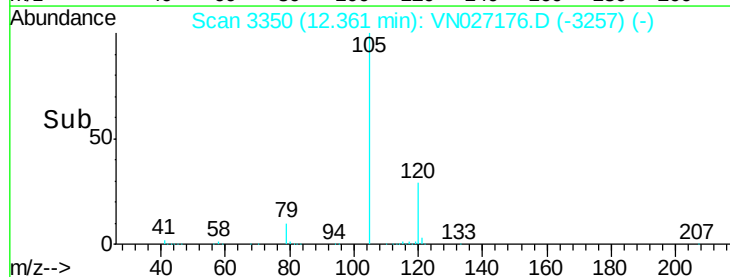
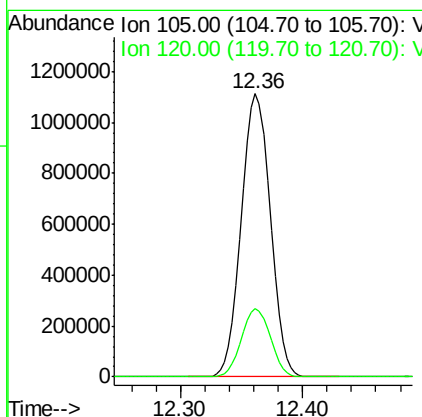
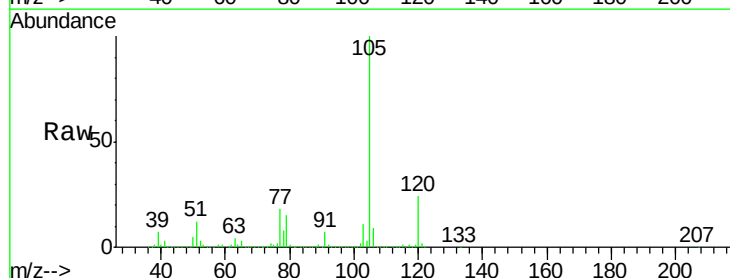
Manual Integrations
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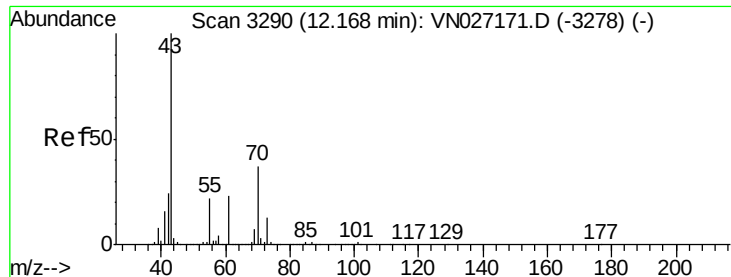
MMDadoda
 9/16/2015 11:47:29 AM



#74
 Isopropylbenzene
 Concen: 45.87 ug/l
 RT: 12.36 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VN027176.D
 Acq: 15 Sep 2015 20:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.1	12.4	37.2





#75

N-amyl acetate

Concen: 47.29 ug/l

RT: 12.17 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

Instrument :

MSVOA_N

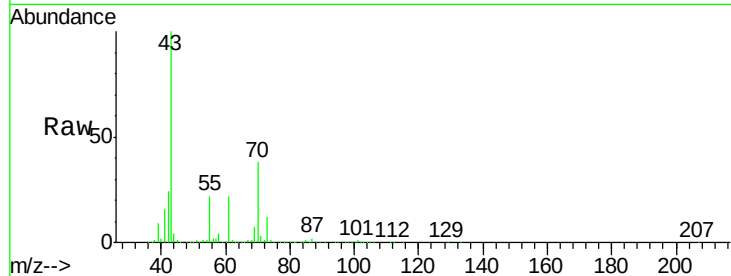
ClientSampleId :

ICVVN091515

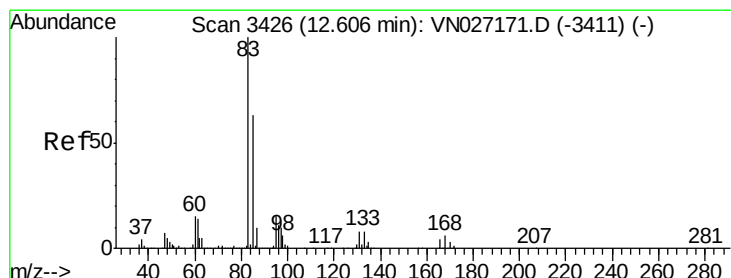
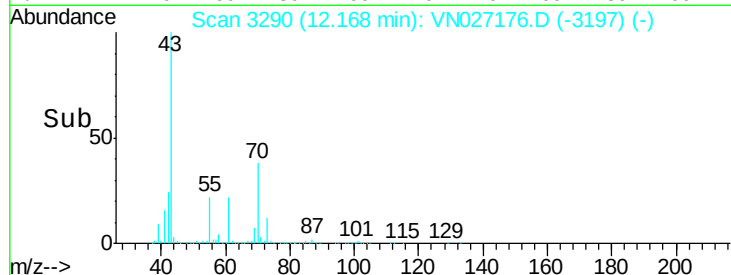
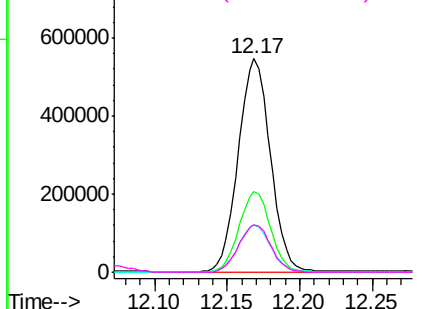
Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		839001		
70	37.4	29.8	44.8		
55	22.0	19.4	29.0		
61	22.6	18.2	27.2		

Manual Integrations
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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: 51.52 ug/l

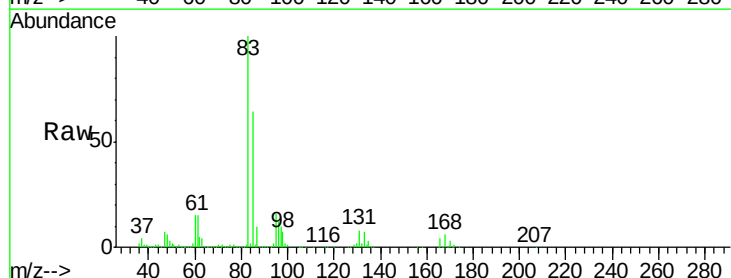
RT: 12.61 min Scan# 3426

Delta R.T. 0.00 min

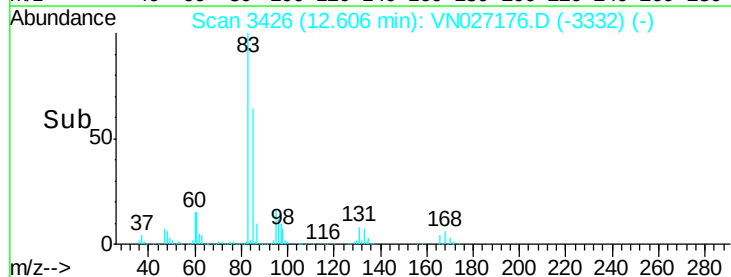
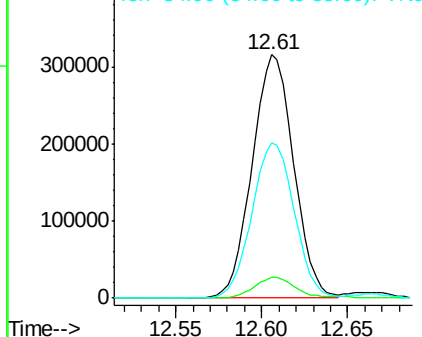
Lab File: VN027176.D

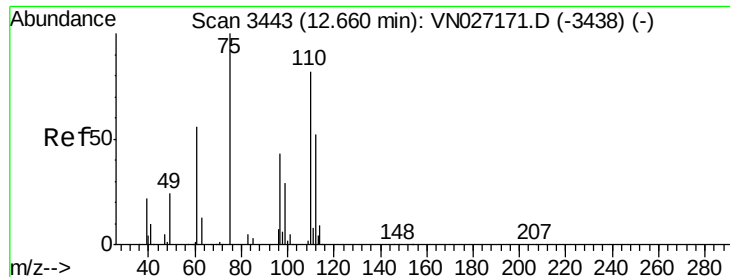
Acq: 15 Sep 2015 20:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		527656		
131	8.7	4.1	12.3		
85	65.2	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: 42.06 ug/l m

RT: 12.66 min Scan# 3443

Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

Instrument :

MSVOA_N

ClientSampled :

ICVVN091515

Tot Ion: 75 Resp: 458527

Ion Ratio Lower Upper

75 100

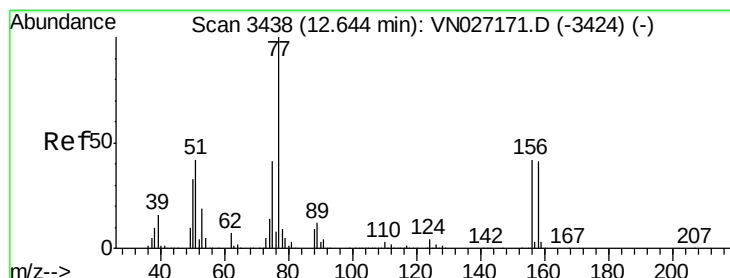
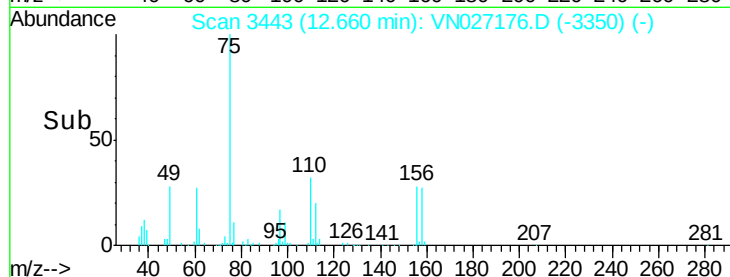
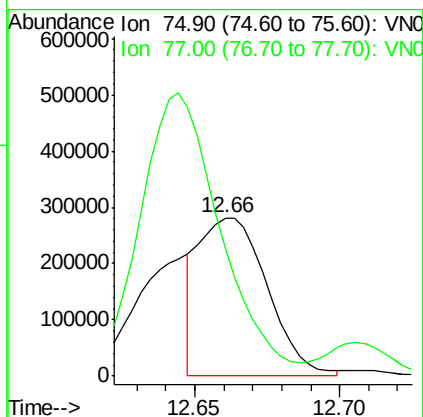
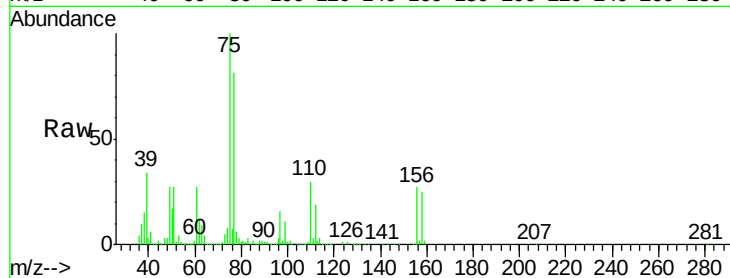
77 211.1 103.1 309.3

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#78

Bromobenzene

Concen: 45.67 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

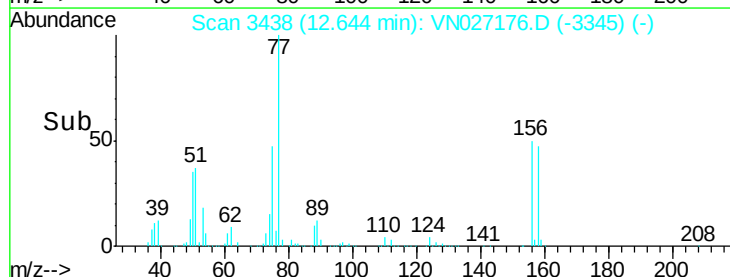
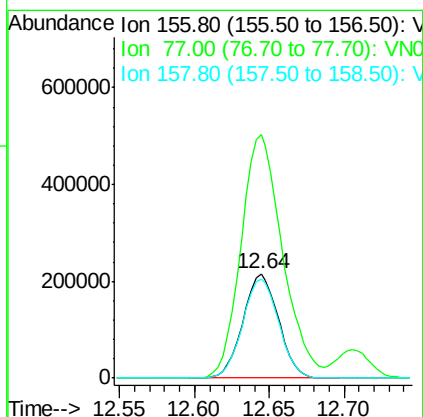
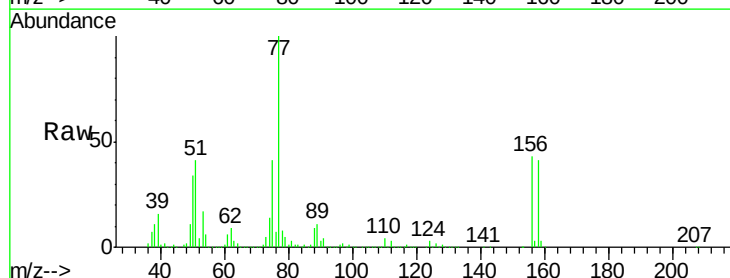
Tgt Ion: 156 Resp: 356008

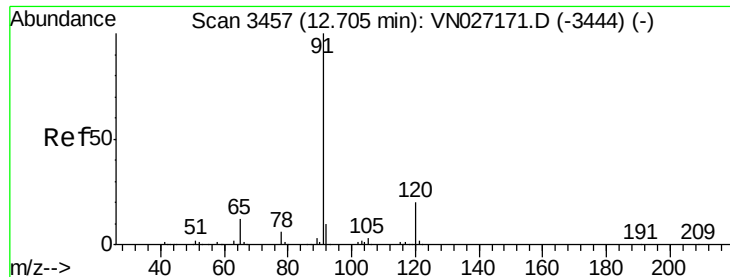
Ion Ratio Lower Upper

156 100

77 271.9 127.3 381.9

158 96.5 48.0 144.2





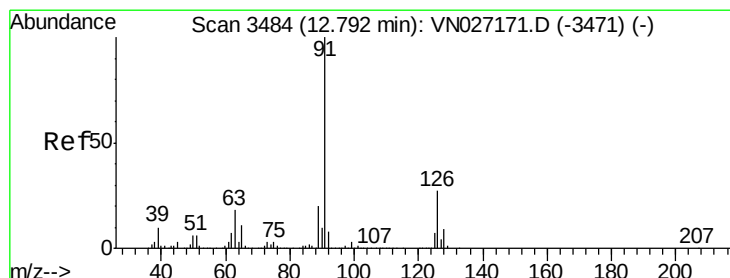
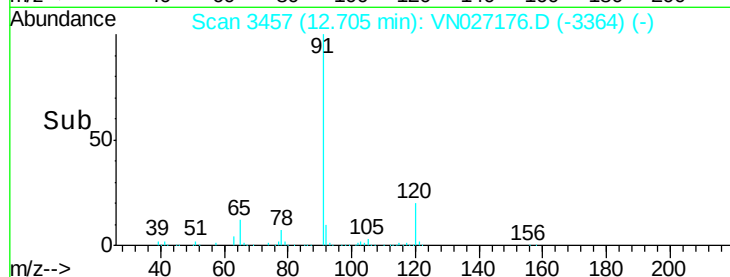
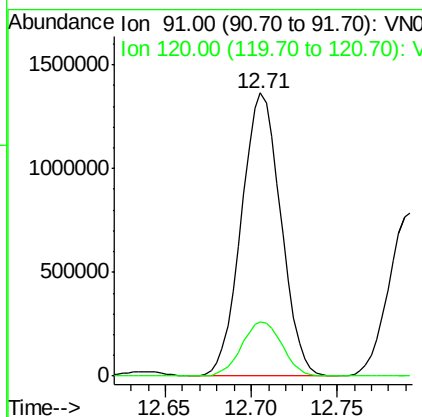
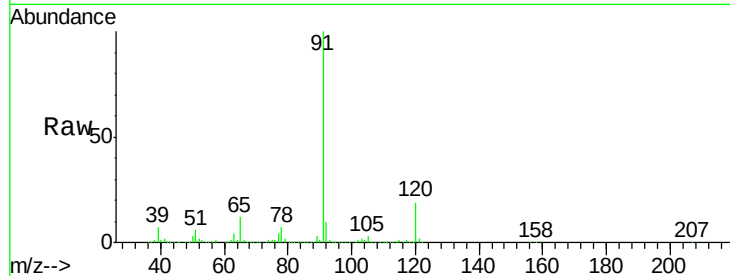
#79
n-propylbenzene
Concen: 46.45 ug/l
RT: 12.71 min Scan# 3457
Delta R.T. 0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091515

Tot Ion: 91 Resp: 2172469
Ion Ratio Lower Upper
91 100
120 19.7 10.3 30.8

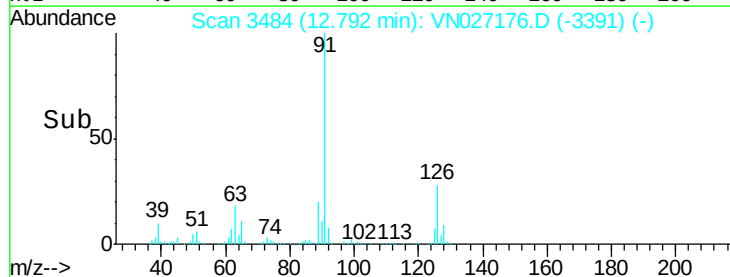
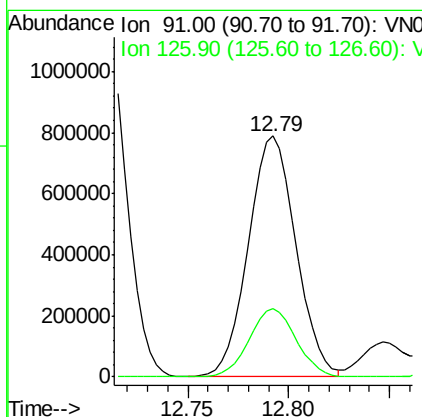
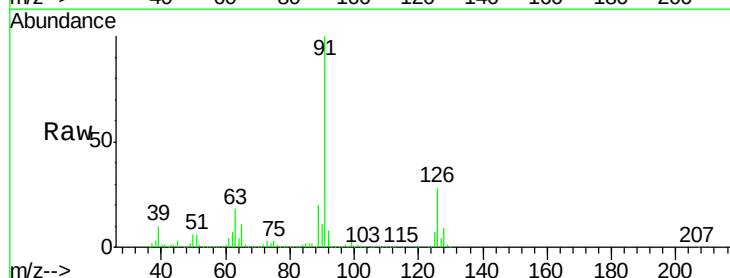
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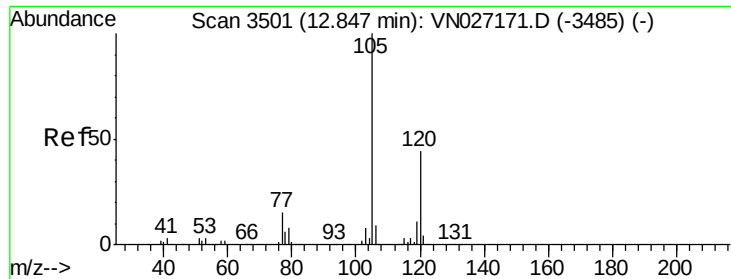
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#80
2-Chlorotoluene
Concen: 46.20 ug/l
RT: 12.79 min Scan# 3484
Delta R.T. 0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Tgt Ion: 91 Resp: 1297296
Ion Ratio Lower Upper
91 100
126 27.9 15.2 45.5





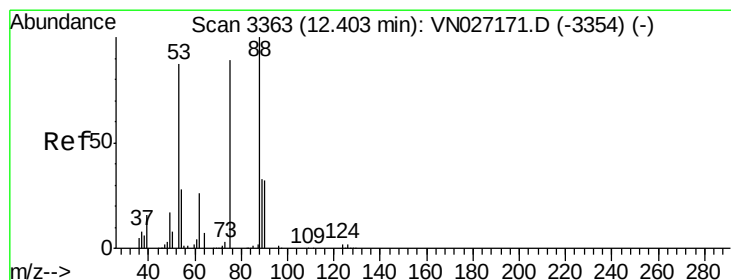
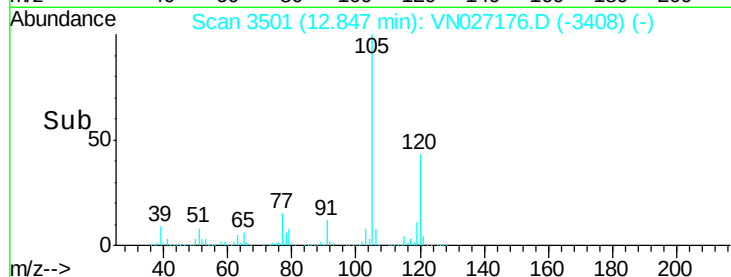
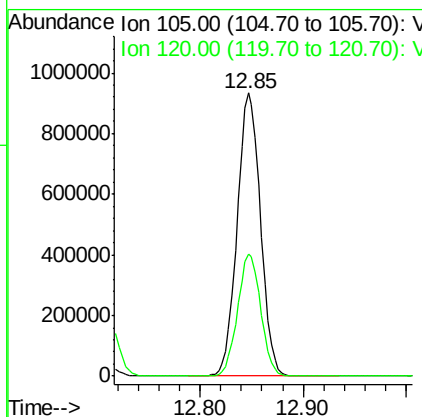
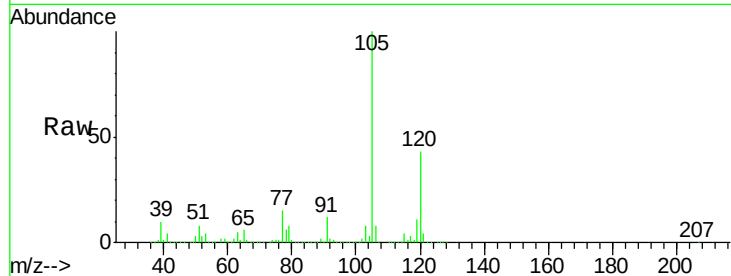
#81
 1,3,5-Trimethylbenzene
 Concen: 46.01 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: VN027176.D
 Acq: 15 Sep 2015 20:34

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN091515

Tot Ion:105 Resp: 1469265
 Ion Ratio Lower Upper
 105 100
 120 42.8 23.4 70.0

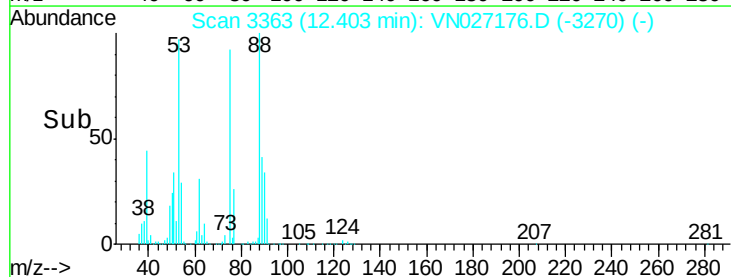
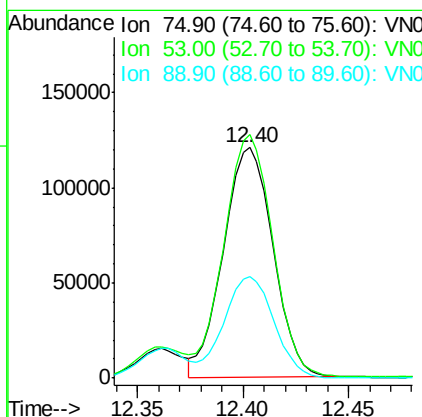
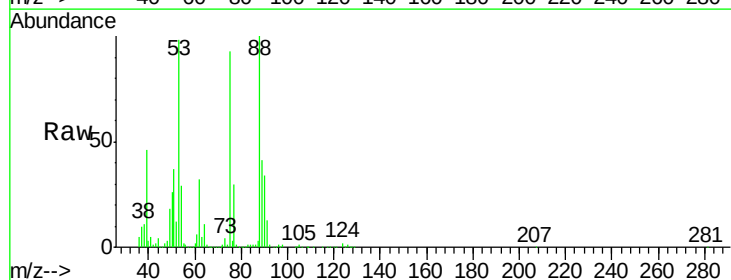
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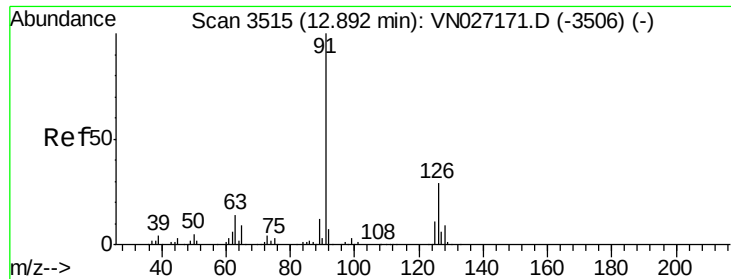
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#82
 trans-1,4-Dichloro-2-butene
 Concen: 44.54 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN027176.D
 Acq: 15 Sep 2015 20:34

Tgt Ion: 75 Resp: 197705
 Ion Ratio Lower Upper
 75 100
 53 103.8 92.9 139.3
 89 44.2 34.2 51.4





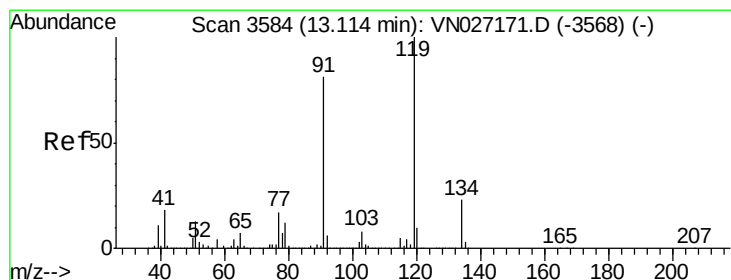
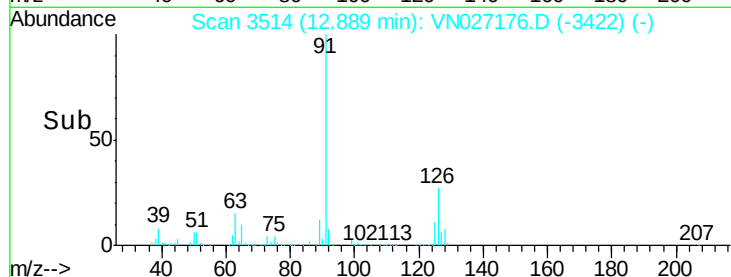
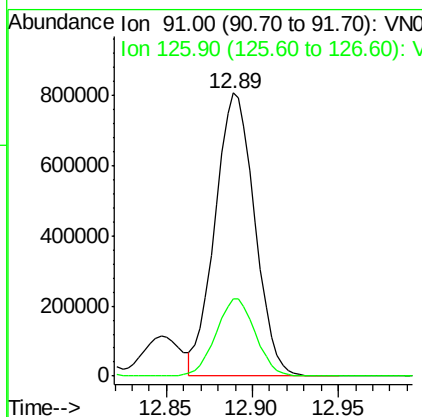
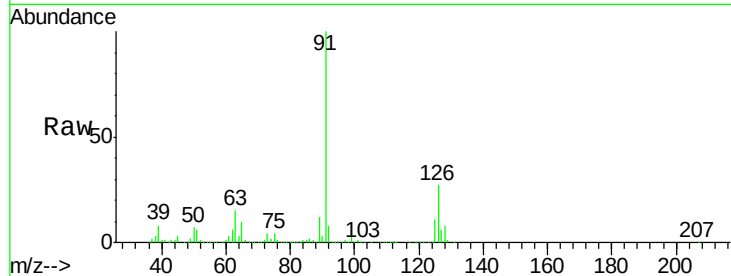
#83
4-Chlorotoluene
Concen: 46.95 ug/l
RT: 12.89 min Scan# 3514
Delta R.T. -0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Instrument :
MSVOA_N
ClientSampled :
ICVVN091515

Tot Ion: 91 Resp: 1295518
Ion Ratio Lower Upper
91 100
126 27.3 14.9 44.5

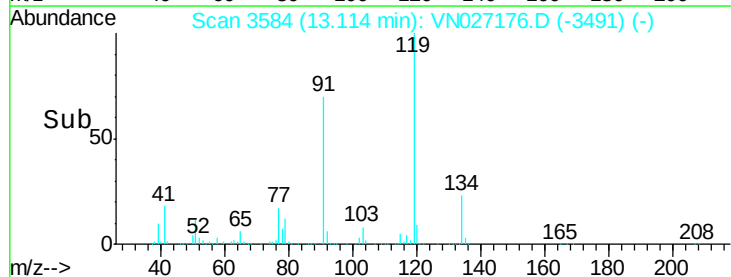
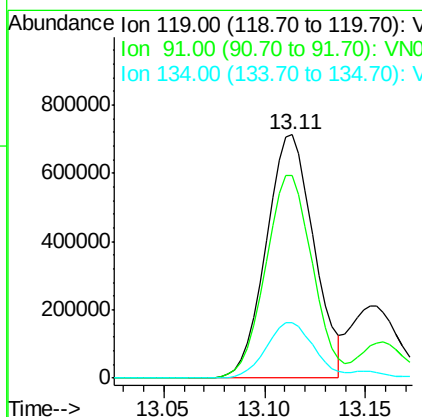
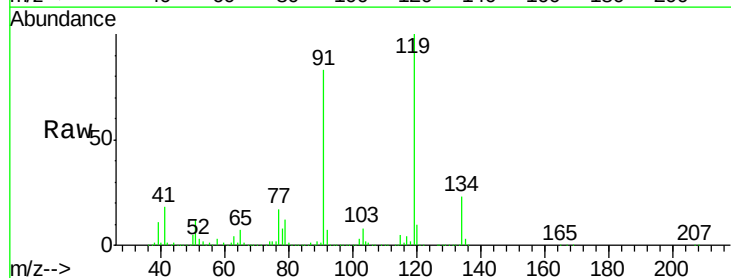
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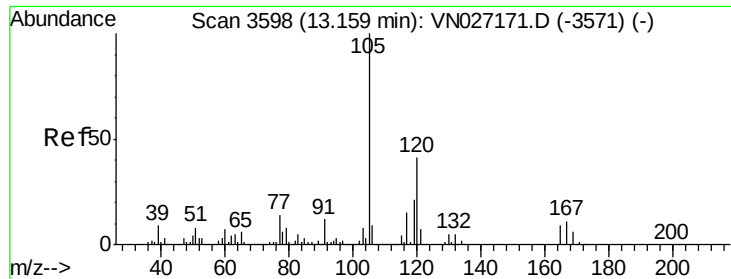
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#84
tert-Butylbenzene
Concen: 44.44 ug/l
RT: 13.11 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN027176.D
Acq: 15 Sep 2015 20:34

Tgt Ion: 119 Resp: 1170865
Ion Ratio Lower Upper
119 100
91 81.8 34.6 103.8
134 22.7 11.4 34.2





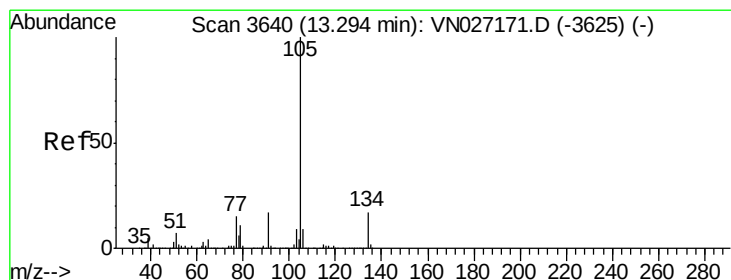
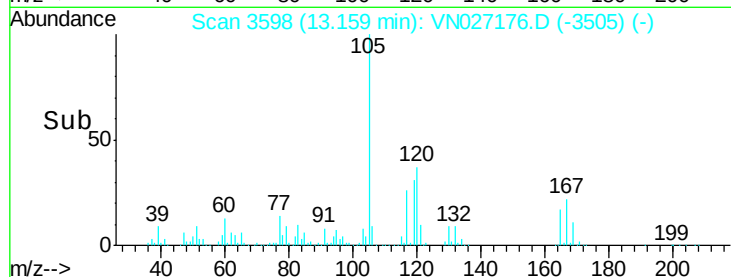
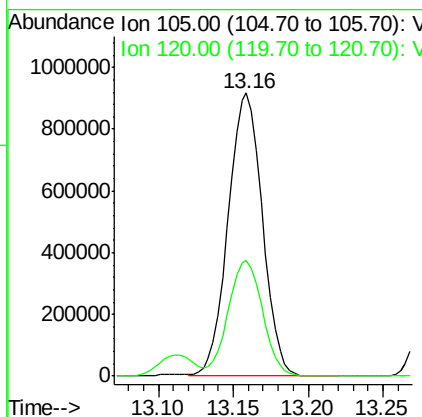
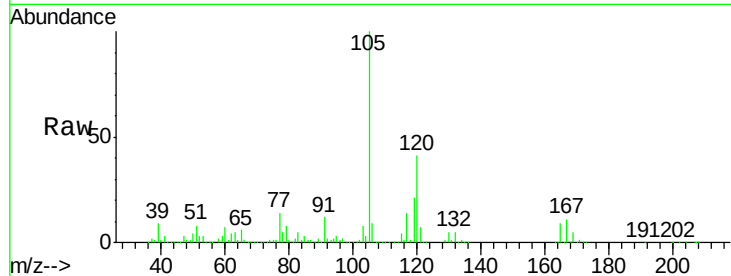
#85
 1,2,4-Trimethylbenzene
 Concen: 45.46 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027176.D
 Acq: 15 Sep 2015 20:34

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN091515

Tot Ion:105 Resp: 1458193
 Ion Ratio Lower Upper
 105 100
 120 41.2 21.9 65.5

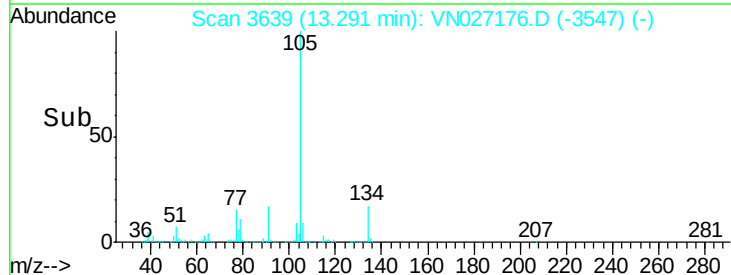
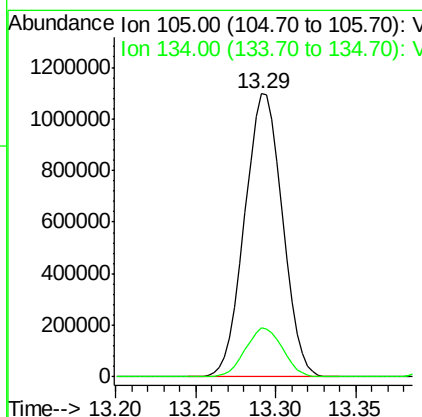
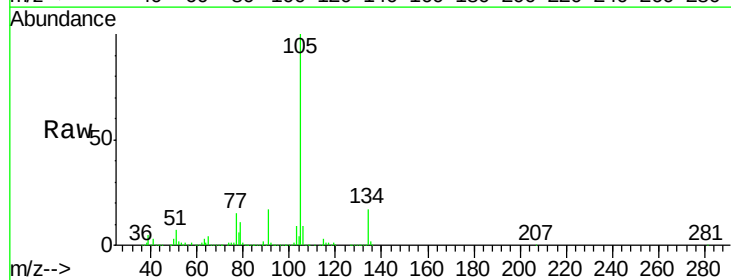
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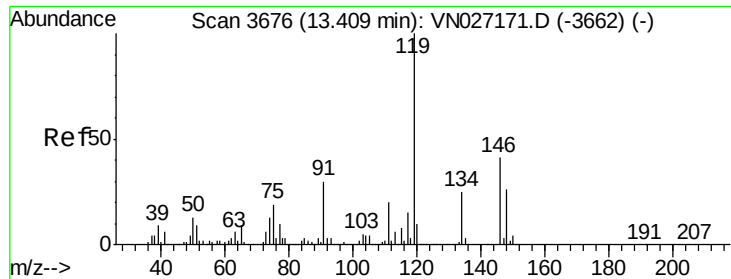
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#86
 sec-Butylbenzene
 Concen: 46.12 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN027176.D
 Acq: 15 Sep 2015 20:34

Tgt Ion:105 Resp: 1780253
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.8 26.4





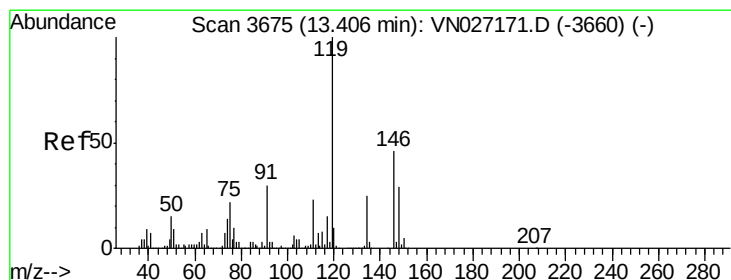
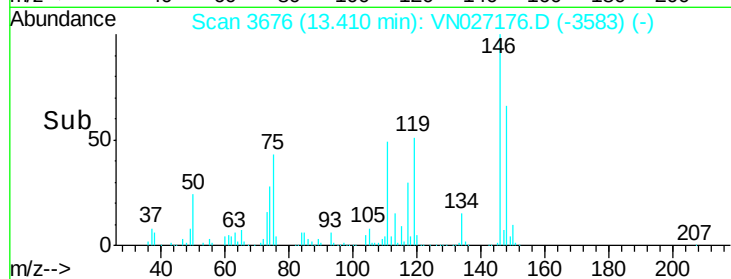
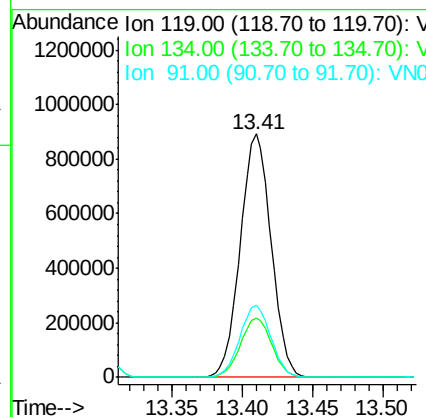
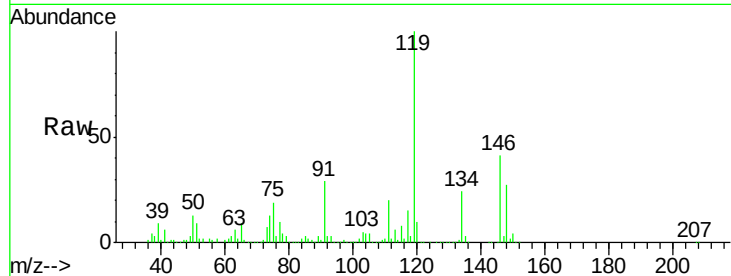
#87
 p-Isopropyltoluene
 Concen: 46.01 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027176.D
 Acq: 15 Sep 2015 20:34

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091515

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.6	12.4	37.0
91	29.7	12.0	36.1

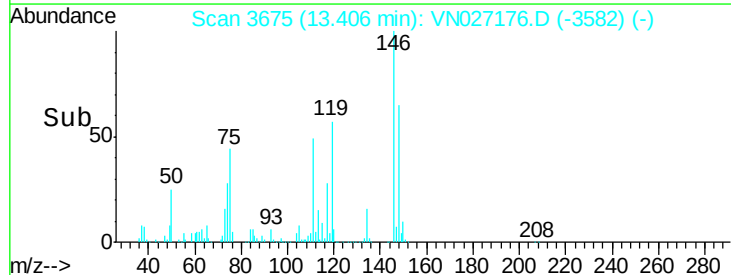
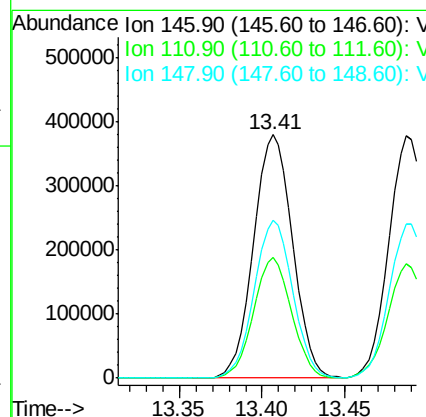
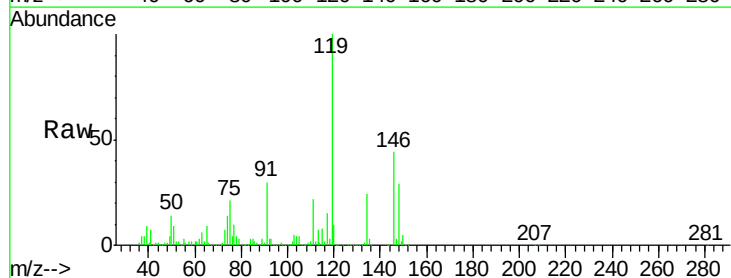
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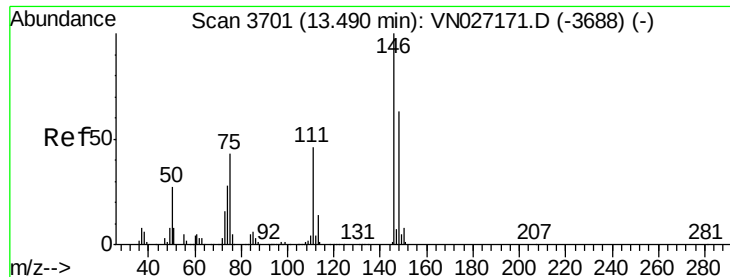
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#88
 1,3-Dichlorobenzene
 Concen: 46.69 ug/l
 RT: 13.41 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN027176.D
 Acq: 15 Sep 2015 20:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.1	21.0	63.0
148	64.1	31.9	95.9





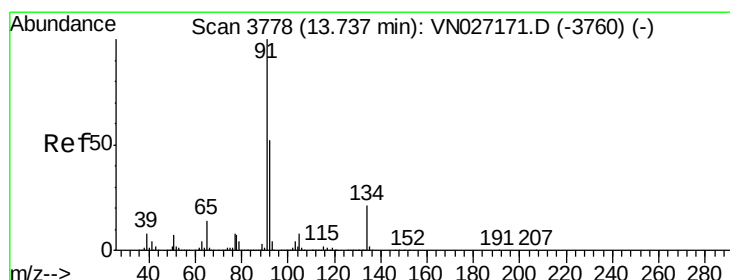
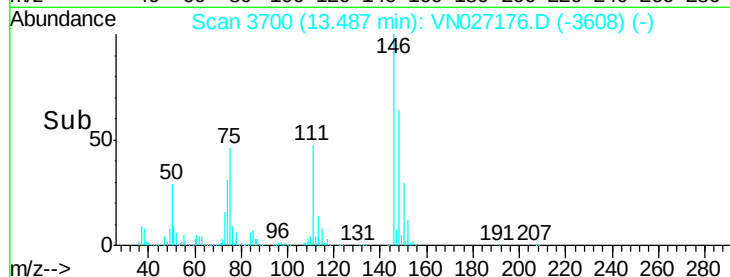
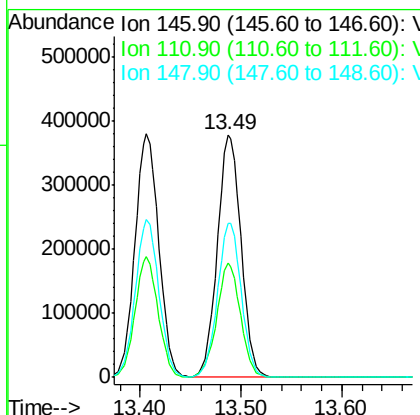
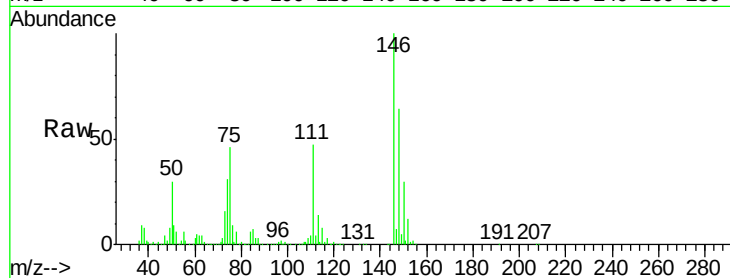
#89
 1,4-Dichlorobenzene
 Concen: 45.82 ug/l
 RT: 13.49 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VN027176.D
 Acq: 15 Sep 2015 20:34

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN091515

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.8	19.9	59.6
148	63.3	31.7	95.1

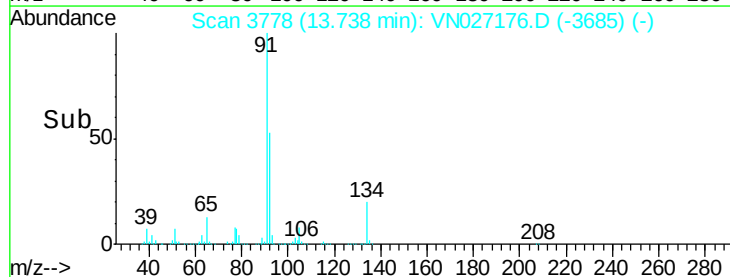
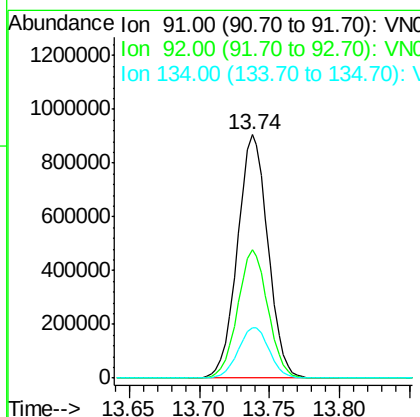
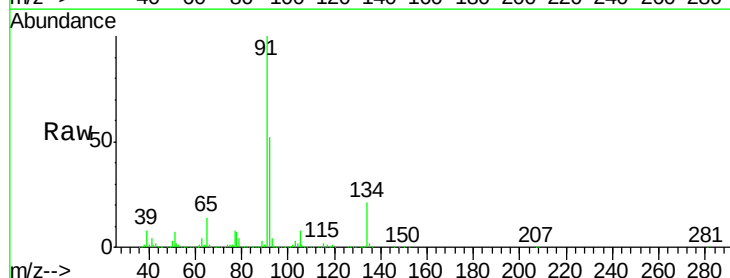
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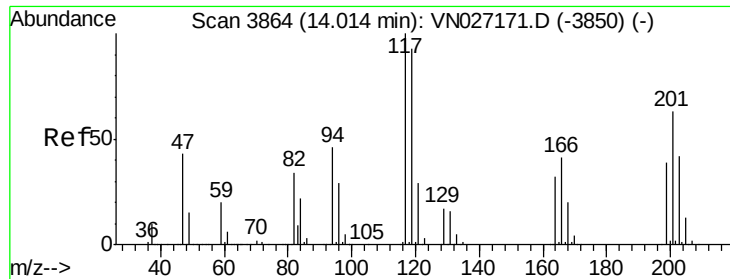
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#90
 n-Butylbenzene
 Concen: 47.41 ug/l
 RT: 13.74 min Scan# 3778
 Delta R.T. 0.00 min
 Lab File: VN027176.D
 Acq: 15 Sep 2015 20:34

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





#91

Hexachloroethane

Concen: 45.13 ug/l

RT: 14.01 min Scan# 3864

Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091515

Tot Ion:117 Resp: 293629

Ion Ratio Lower Upper

117 100

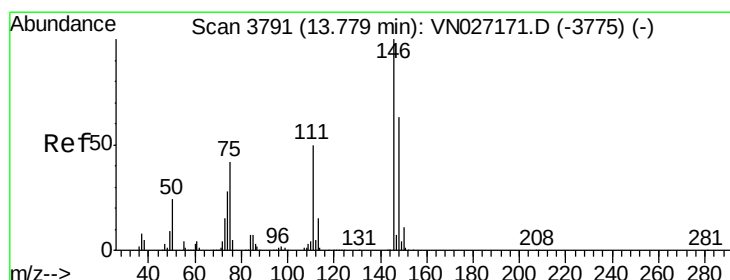
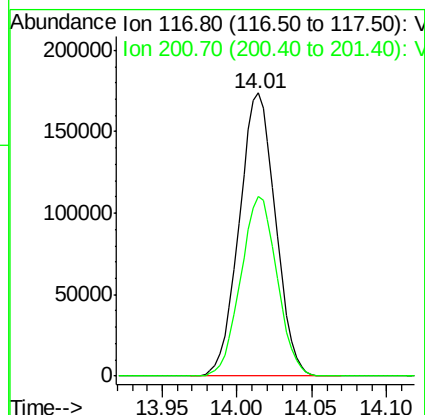
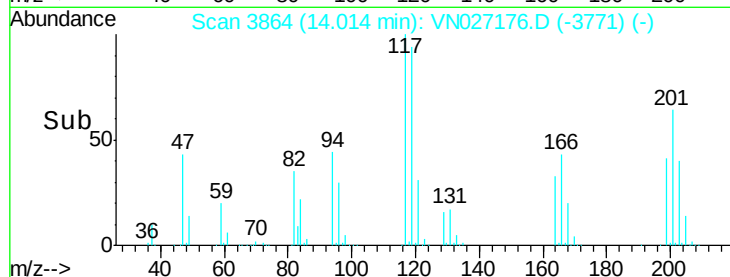
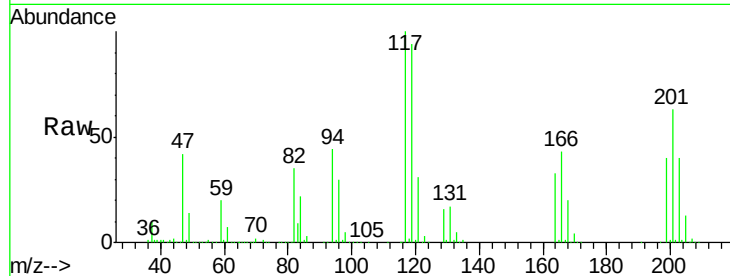
201 63.5 34.9 104.7

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#92

1,2-Dichlorobenzene

Concen: 46.68 ug/l

RT: 13.78 min Scan# 3791

Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

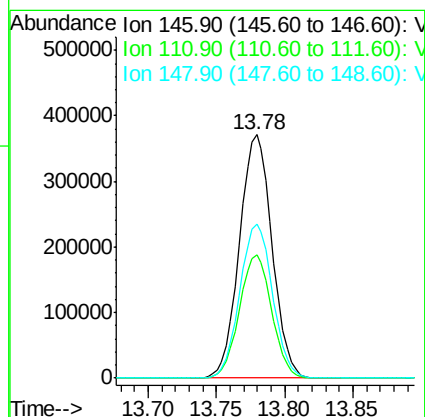
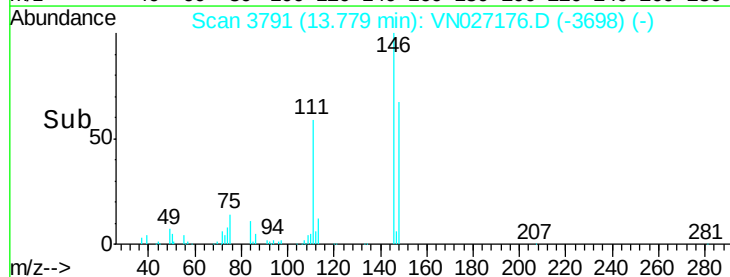
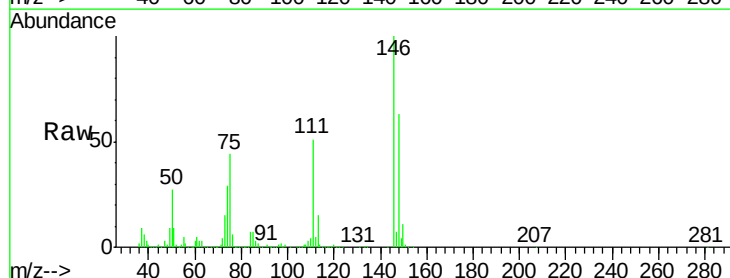
Tgt Ion:146 Resp: 615298

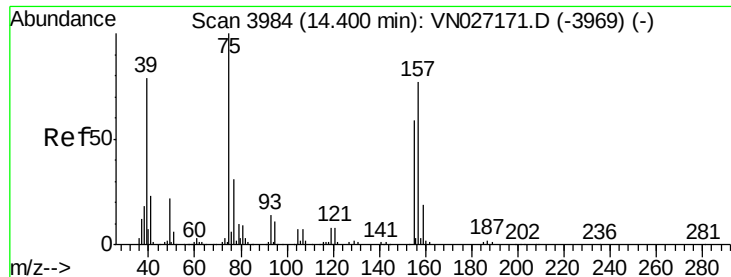
Ion Ratio Lower Upper

146 100

111 50.2 22.1 66.3

148 63.8 32.0 96.0





#93

1,2-Dibromo-3-Chloropropane

Concen: 48.49 ug/l

RT: 14.40 min Scan# 3984

Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

Instrument :

MSVOA_N

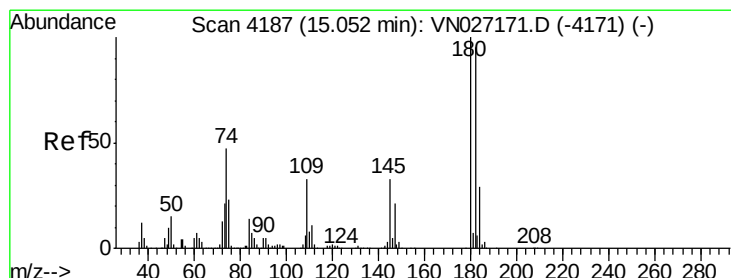
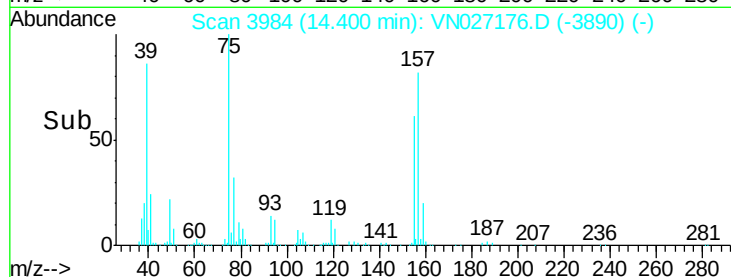
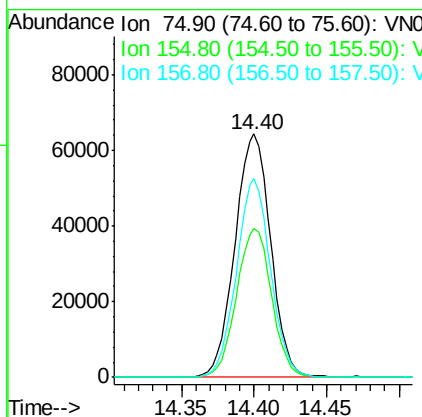
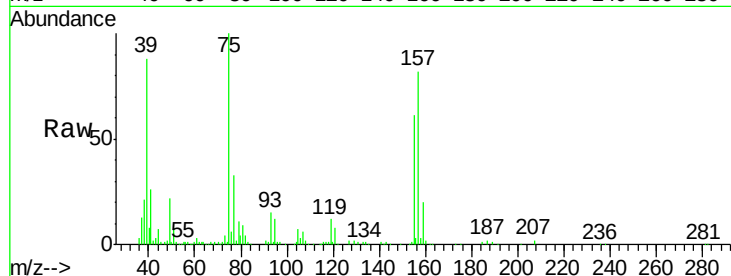
ClientSampled :

ICVVN091515

Tot Ion:	75	Resp:	110177
Ion Ratio	Lower	Upper	
75	100		
155	60.0	35.6	106.9
157	77.9	44.6	133.8

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#94

1,2,4-Trichlorobenzene

Concen: 48.59 ug/l

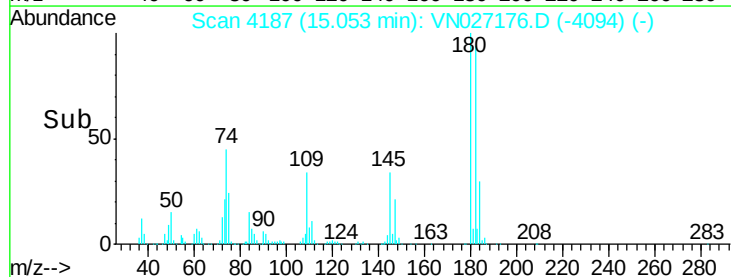
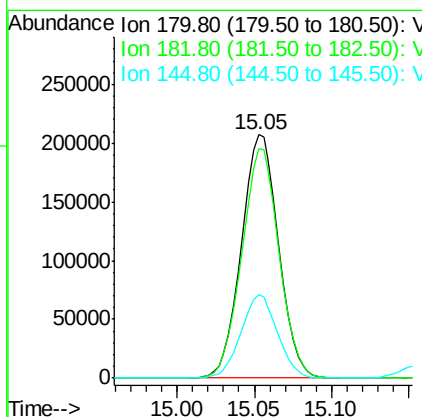
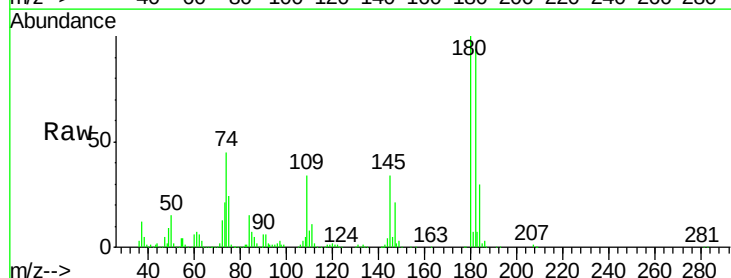
RT: 15.05 min Scan# 4187

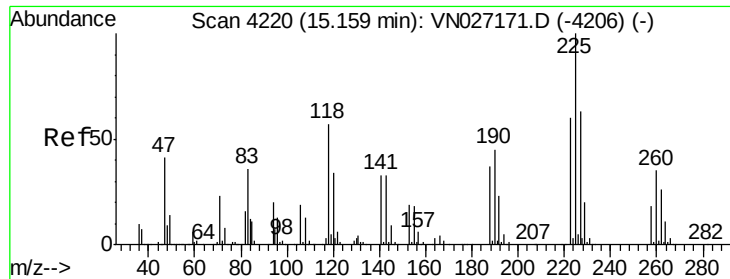
Delta R.T. 0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

Tgt Ion:	180	Resp:	345992
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.5	142.5
145	33.8	15.1	45.3





#95

Hexachlorobutadiene

Concen: 47.16 ug/l

RT: 15.16 min Scan# 4219

Delta R.T. -0.00 min

Lab File: VN027176.D

Acq: 15 Sep 2015 20:34

Instrument :

MSVOA_N

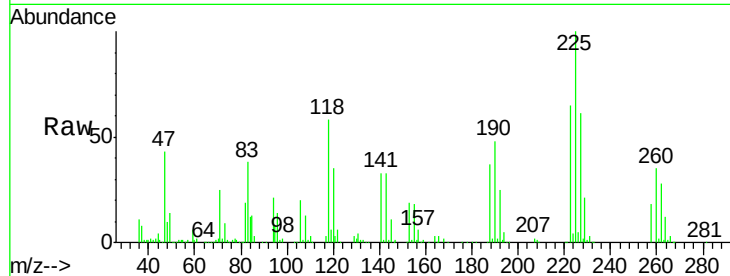
ClientSampleId :

ICVVN091515

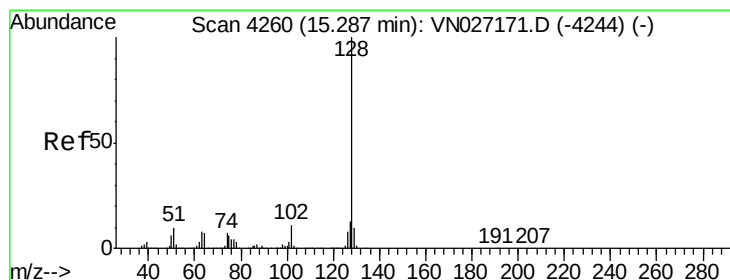
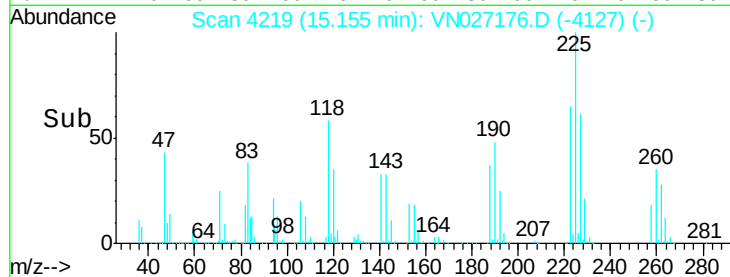
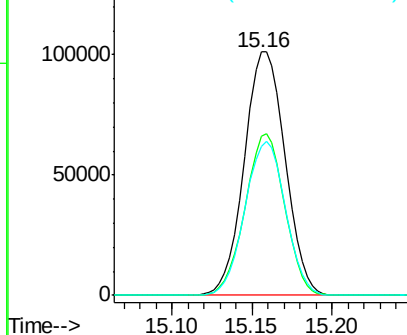
Tot Ion:	225	Resp:	176874
Ion Ratio		Lower	Upper
225	100		
223	64.0	30.8	92.3
227	62.5	31.7	95.1

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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: 49.88 ug/l

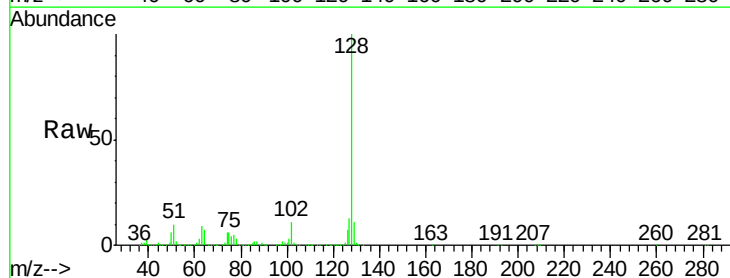
RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

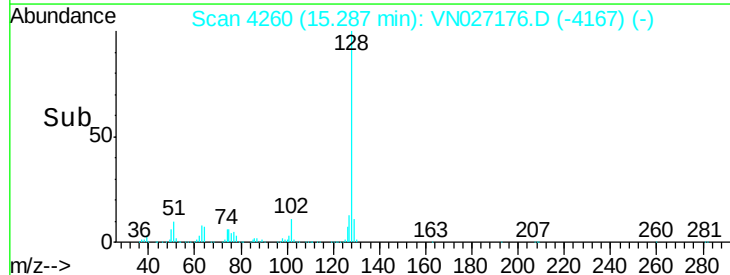
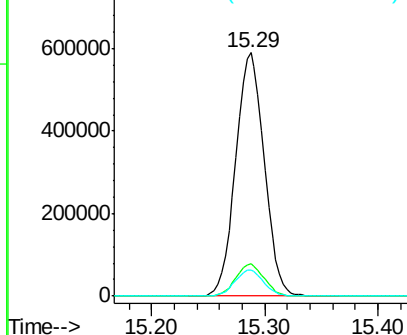
Lab File: VN027176.D

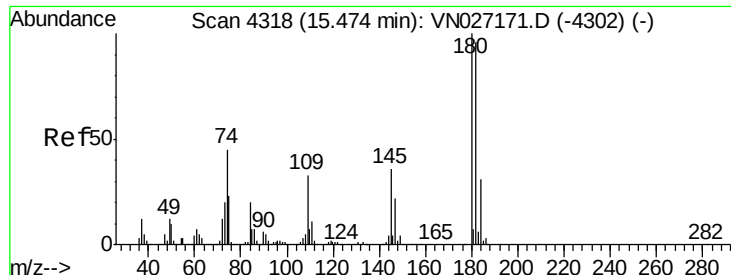
Acq: 15 Sep 2015 20:34

Tgt Ion:	128	Resp:	1041215
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	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: 48.37 ug/l
 RT: 15.47 min Scan# 4318
 Delta R.T. 0.00 min
 Lab File: VN027176.D
 Acq: 15 Sep 2015 20:34

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091515

Tot Ion:	180	Resp:	342410
Ion Ratio		Lower	Upper
180	100		
182	95.2	48.8	146.4
145	35.3	16.6	49.8

Manual Integrations
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