

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091715\
 Data File : VN027288.D
 Acq On : 18 Sep 2015 7:18
 Operator : MD\FY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 12:24:37 PM

Quant Time: Sep 18 08:20:05 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	505095	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	974705	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	826593	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	324176	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	522653	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
36) Dibromofluoromethane	7.68	113	334049	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
51) Toluene-d8	10.19	98	1289305	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
63) 4-Bromofluorobenzene	12.52	95	460957	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	275367	45.56	ug/l	98
3) Chlorodifluoromethane	1.82	51	352425	50.39	ug/l	94
4) Chloromethane	2.01	50	290780	43.11	ug/l	100
5) Vinyl Chloride	2.14	62	340178	47.66	ug/l	98
6) Bromomethane	2.54	94	59843	18.13	ug/l	98
7) Chloroethane	2.69	64	226025	46.58	ug/l	99
8) Trichlorofluoromethane	3.02	101	519825	48.21	ug/l	99
9) Diethyl Ether	3.42	74	238015	47.97	ug/l	84
10) 1,1,2-Trichlorotrifluoroet	3.79	101	321160	47.42	ug/l	96
11) Methyl Iodide	3.99	142	102618	15.59	ug/l	92
12) Tert butyl alcohol	4.80	59	218162	215.58	ug/l	97
13) 1,1-Dichloroethene	3.77	96	312487	48.19	ug/l	96
14) Acrolein	3.62	56	111483	93.78	ug/l	98
15) Allyl chloride	4.37	41	567716	43.34	ug/l #	81
16) Acrylonitrile	5.02	53	797378	240.95	ug/l	98
17) Acetone	3.82	43	630378	225.92	ug/l	98
18) Carbon Disulfide	4.11	76	916416	43.39	ug/l	99
19) Methyl Acetate	4.36	43	991842	49.08	ug/l	95
20) Methyl tert-butyl Ether	5.11	73	1248582	47.96	ug/l	97
21) Methylene Chloride	4.60	84	380183	48.91	ug/l	98
22) trans-1,2-Dichloroethene	5.13	96	336996	48.04	ug/l	96
23) Diisopropyl ether	6.04	45	1321558	48.09	ug/l #	89
24) Vinyl Acetate	5.97	43	2122072	233.29	ug/l	97
25) 1,1-Dichloroethane	5.93	63	762929	47.78	ug/l	100
26) 2-Butanone	6.91	43	975380	232.14	ug/l	95
27) 2,2-Dichloropropane	6.92	77	473012	34.15	ug/l	96
28) cis-1,2-Dichloroethene	6.92	96	402960	50.09	ug/l	98
29) Bromochloromethane	7.29	49	313496	50.59	ug/l	96
30) Tetrahydrofuran	7.31	42	638741	220.58	ug/l	90
31) Chloroform	7.46	83	728343	50.49	ug/l	98
32) Cyclohexane	7.77	56	693911	48.80	ug/l	93
33) 1,1,1-Trichloroethane	7.67	97	631151	49.07	ug/l	96
37) 1,1-Dichloropropene	7.89	75	545777	47.83	ug/l	98
38) Ethyl Acetate	7.02	43	447554	46.06	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	505562	47.13	ug/l	97
40) Methylcyclohexane	9.19	83	636150	45.78	ug/l	96
41) Benzene	8.14	78	1598973	48.03	ug/l	99
42) Methacrylonitrile	7.24	41	257469	46.68	ug/l #	90
43) 1,2-Dichloroethane	8.22	62	641178	47.81	ug/l	95
44) Isopropyl Acetate	8.25	43	832407	45.65	ug/l	97
45) Trichloroethene	8.93	130	324237	48.49	ug/l	87
46) 1,2-Dichloropropane	9.21	63	448638	46.84	ug/l	99
47) Dibromomethane	9.30	93	267369	47.54	ug/l	92
48) Bromodichloromethane	9.49	83	567495	47.88	ug/l	100
49) Methyl methacrylate	9.29	41	408285	44.95	ug/l #	87
50) 1,4-Dioxane	9.30	88	91826	861.88	ug/l	96
52) 4-Methyl-2-Pentanone	10.07	43	2188527	227.02	ug/l	99
53) Toluene	10.26	92	942515	48.33	ug/l	98
54) t-1,3-Dichloropropene	10.47	75	582102	43.74	ug/l	98
55) cis-1,3-Dichloropropene	9.93	75	633415	43.75	ug/l	94
56) 1,1,2-Trichloroethane	10.66	97	357604	48.80	ug/l	98
57) Ethyl methacrylate	10.52	69	573798	46.46	ug/l #	90
58) 1,3-Dichloropropane	10.81	76	653839	48.06	ug/l	99
59) 2-Chloroethyl Vinyl ether	9.78	63	1265064	223.09	ug/l	97
60) 2-Hexanone	10.84	43	1463854	223.03	ug/l	100
61) Dibromochloromethane	11.00	129	351288	46.94	ug/l	100
62) 1,2-Dibromoethane	11.11	107	343486	47.70	ug/l	100
65) Tetrachloroethene	10.74	164	269025	50.89	ug/l	95
66) Chlorobenzene	11.54	112	941001	48.22	ug/l	97
67) 1,1,1,2-Tetrachloroethane	11.62	131	319994	48.07	ug/l	98
68) Ethyl Benzene	11.62	91	1772443	47.90	ug/l	100
69) m/p-Xylenes	11.73	106	1215079	95.17	ug/l	89
70) o-Xylene	12.06	106	610820	47.73	ug/l	90
71) Styrene	12.07	104	1013116	49.03	ug/l	95
72) Bromoform	12.24	173	207390	44.80	ug/l #	99
74) Isopropylbenzene	12.36	105	1650633	46.21	ug/l	98
75) N-amyl acetate	12.17	43	720993	45.22	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	468582	50.87	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	429479m	43.84	ug/l	
78) Bromobenzene	12.64	156	321798	45.94	ug/l	94
79) n-propylbenzene	12.71	91	1973111	46.95	ug/l	97
80) 2-Chlorotoluene	12.79	91	1182396	46.85	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	1327554	46.26	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	117290	29.41	ug/l	93
83) 4-Chlorotoluene	12.89	91	1181835	47.66	ug/l	95
84) tert-Butylbenzene	13.11	119	1061645	44.84	ug/l	88
85) 1,2,4-Trimethylbenzene	13.16	105	1325996	46.00	ug/l	96
86) sec-Butylbenzene	13.29	105	1620227	46.71	ug/l	99
87) p-Isopropyltoluene	13.41	119	1230334	46.05	ug/l	95
88) 1,3-Dichlorobenzene	13.41	146	567036	47.30	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	557166	45.89	ug/l	95
90) n-Butylbenzene	13.74	91	1218622	47.00	ug/l	98
91) Hexachloroethane	14.01	117	239079	40.89	ug/l	93
92) 1,2-Dichlorobenzene	13.78	146	565984	47.78	ug/l	96

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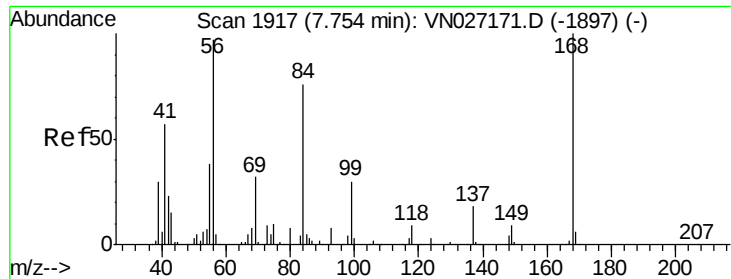
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	92531	45.22	ug/l	85
94) 1,2,4-Trichlorobenzene	15.05	180	307107	47.99	ug/l	98
95) Hexachlorobutadiene	15.16	225	152392	45.22	ug/l	98
96) Naphthalene	15.29	128	894188	47.66	ug/l	99
97) 1,2,3-Trichlorobenzene	15.47	180	314295	49.41	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: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 505095

Ion Ratio Lower Upper

168 100

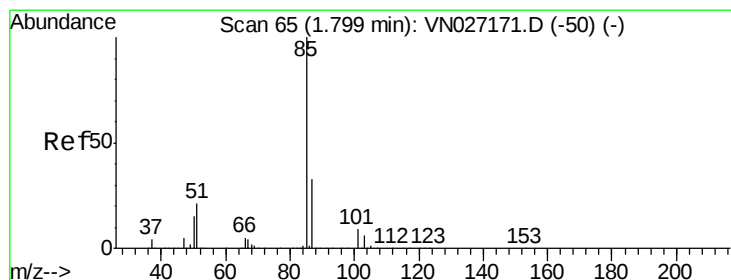
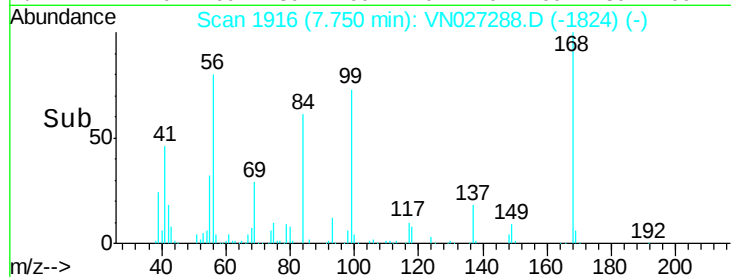
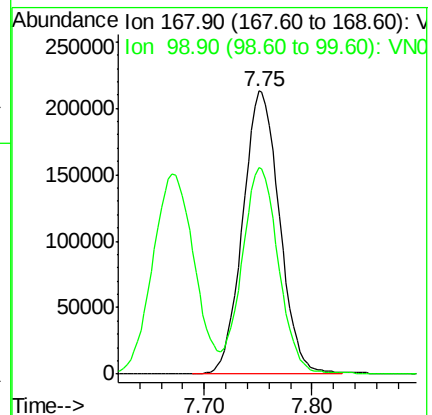
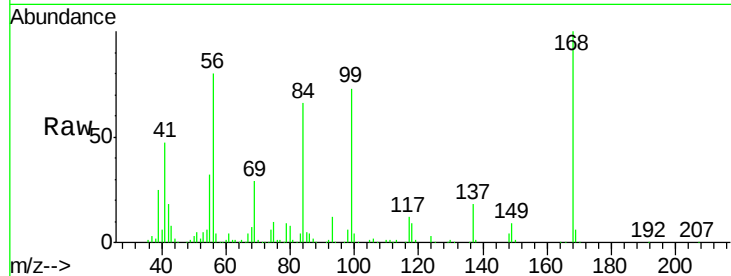
99 72.4 50.4 75.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 45.56 ug/l

RT: 1.80 min Scan# 64

Delta R.T. -0.00 min

Lab File: VN027288.D

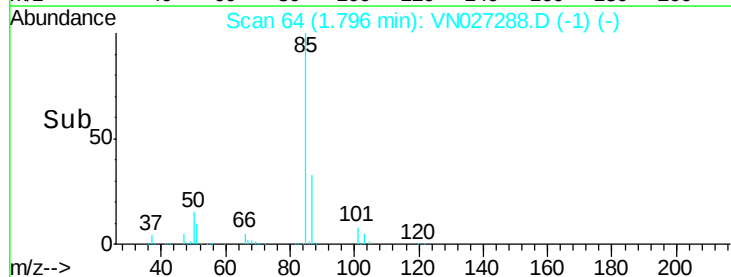
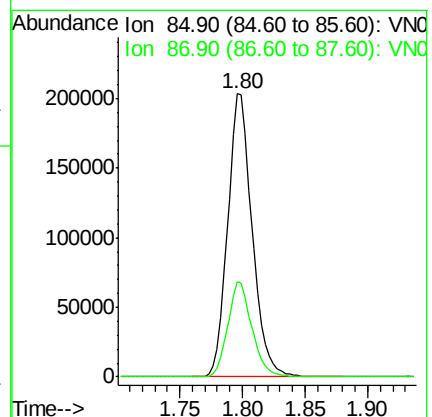
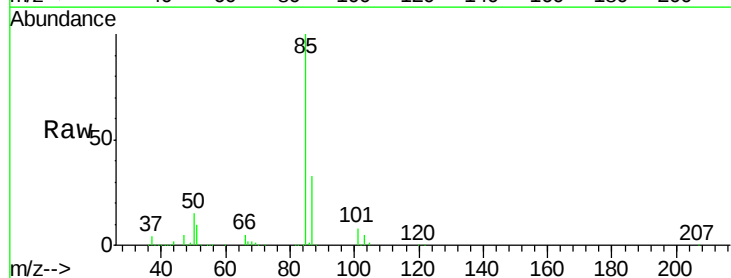
Acq: 18 Sep 2015 7:18

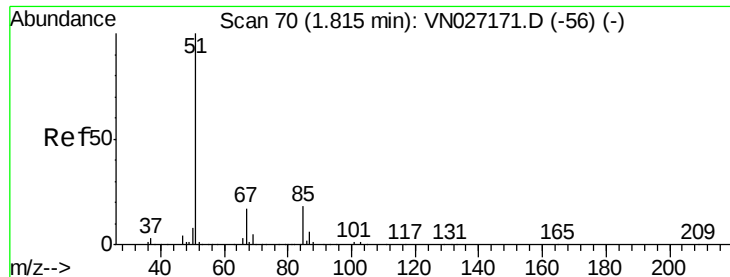
Tgt Ion: 85 Resp: 275367

Ion Ratio Lower Upper

85 100

87 33.5 16.3 48.8





#3

Chlorodifluoromethane

Concen: 50.39 ug/l

RT: 1.82 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Tot Ion: 51 Resp: 352425

Ion Ratio Lower Upper

51 100

67 17.7 12.2 18.2

Instrument :

MSVOA_N

ClientSampleId :

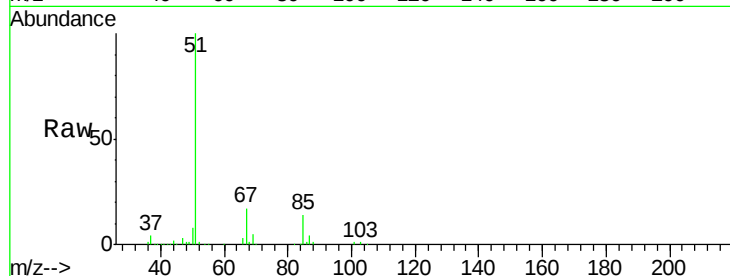
VSTDCCC050EC

Manual Integrations

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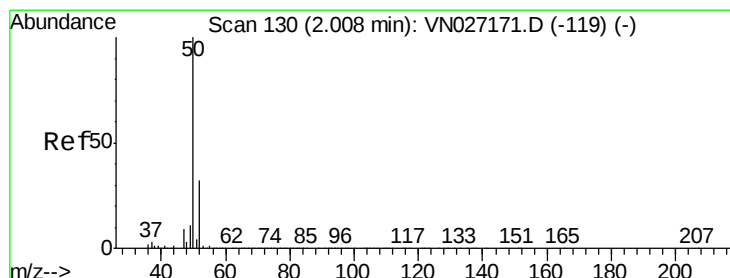
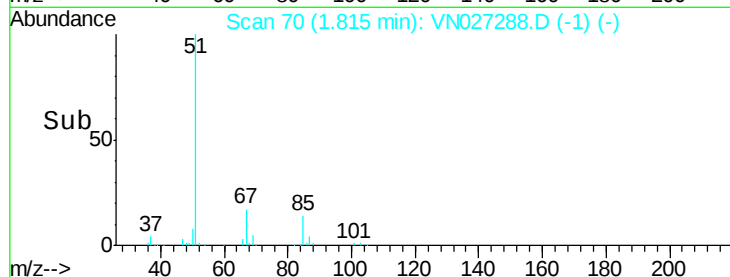
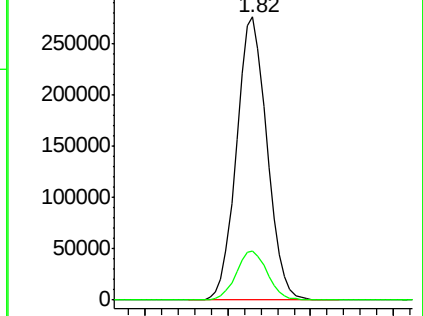
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Abundance Ion 51.00 (50.70 to 51.70): VNO

Ion 67.00 (66.70 to 67.70): VNO



#4

Chloromethane

Concen: 43.11 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027288.D

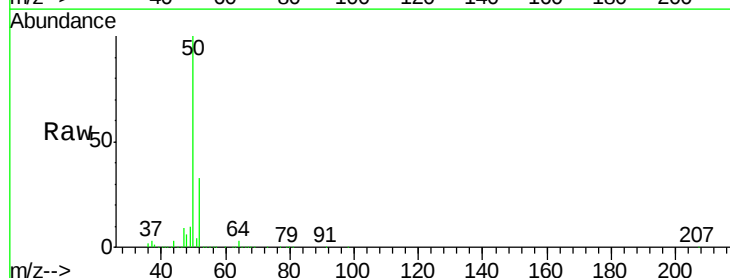
Acq: 18 Sep 2015 7:18

Tgt Ion: 50 Resp: 290780

Ion Ratio Lower Upper

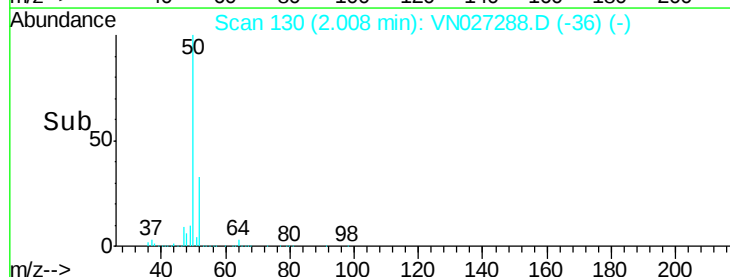
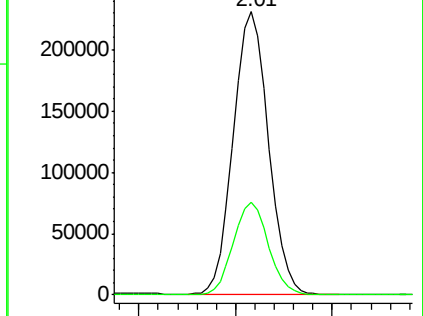
50 100

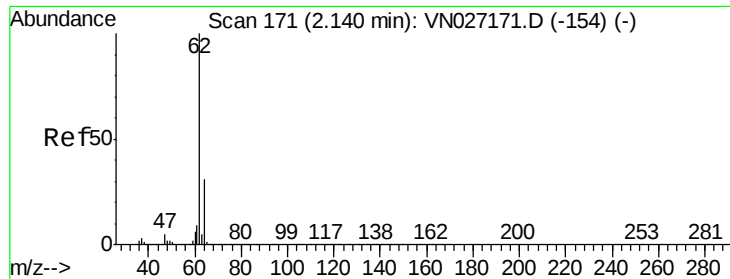
52 32.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Vinyl Chloride

Concen: 47.66 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 62 Resp: 340178

Ion Ratio Lower Upper

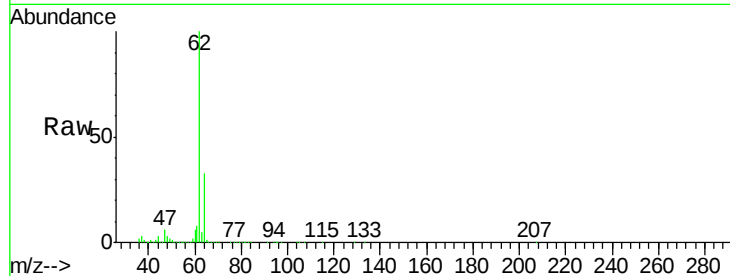
62 100

64 31.5 25.9 38.9

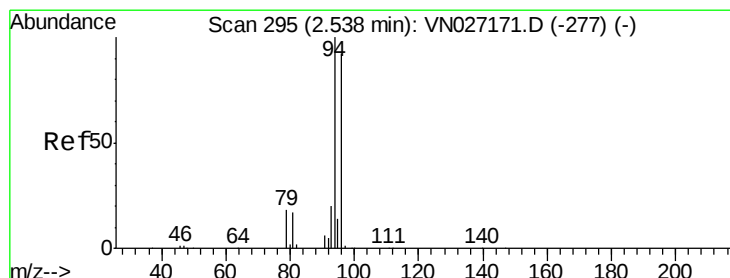
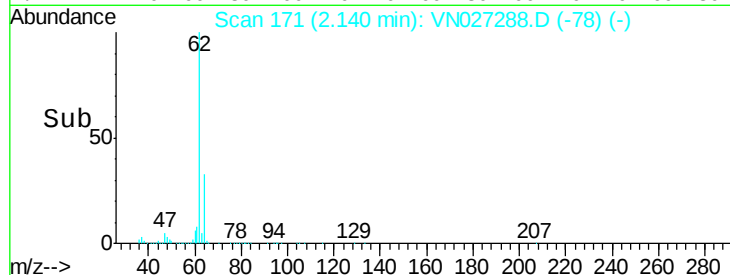
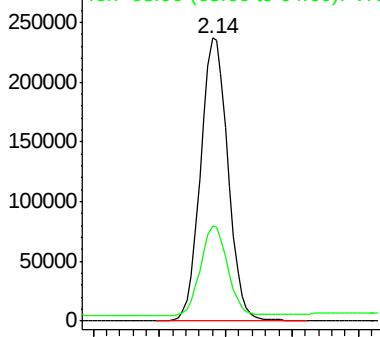
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Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO



#6

Bromomethane

Concen: 18.13 ug/l

RT: 2.54 min Scan# 295

Delta R.T. 0.00 min

Lab File: VN027288.D

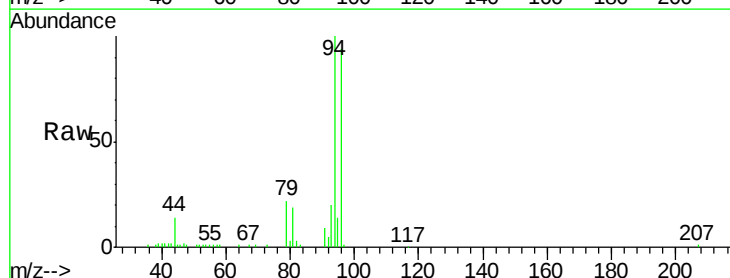
Acq: 18 Sep 2015 7:18

Tgt Ion: 94 Resp: 59843

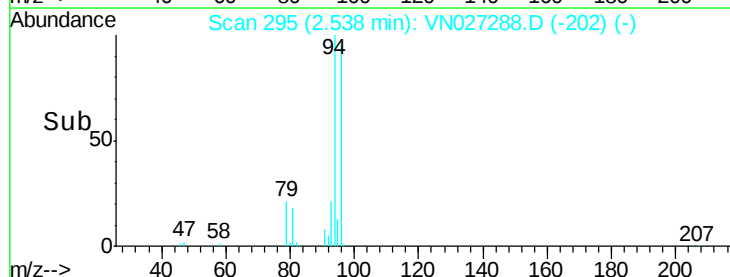
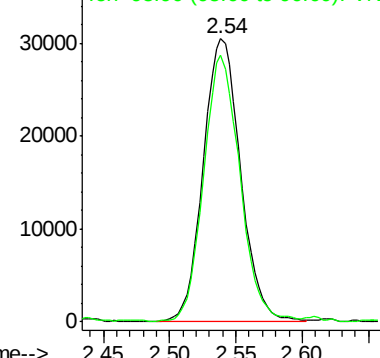
Ion Ratio Lower Upper

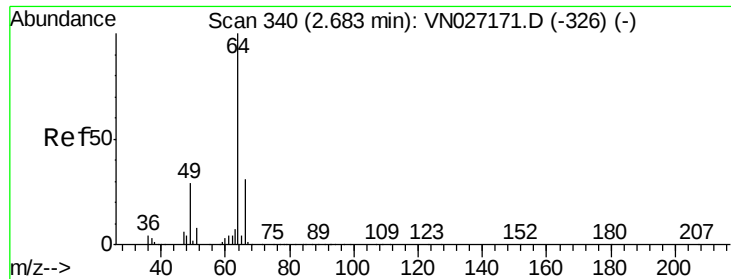
94 100

96 94.2 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO





#7

Chloroethane

Concen: 46.58 ug/l

RT: 2.69 min Scan# 341

Delta R.T. 0.00 min

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Tot Ion: 64 Resp: 226025

Ion Ratio Lower Upper

64 100

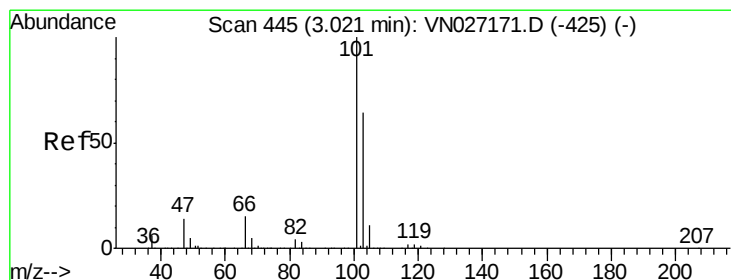
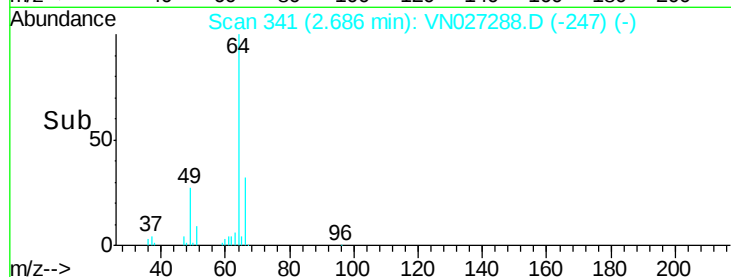
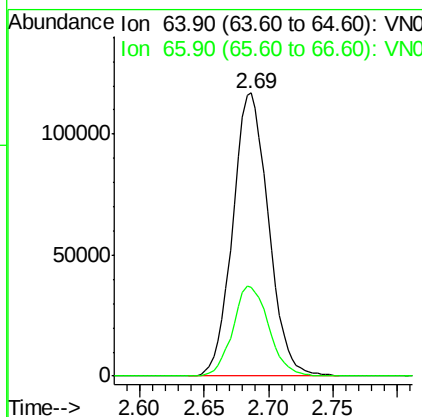
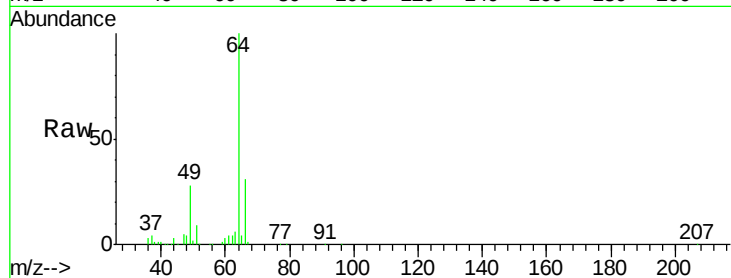
66 31.2 25.5 38.3

Manual Integrations

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#8

Trichlorofluoromethane

Concen: 48.21 ug/l

RT: 3.02 min Scan# 446

Delta R.T. 0.00 min

Lab File: VN027288.D

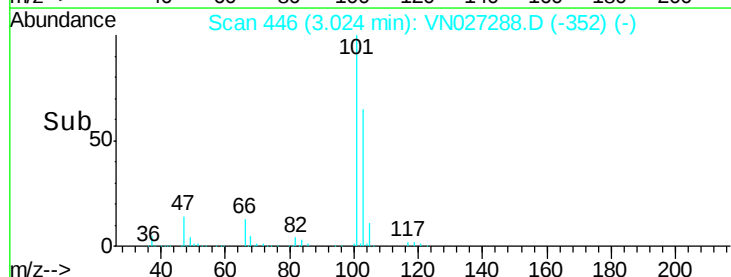
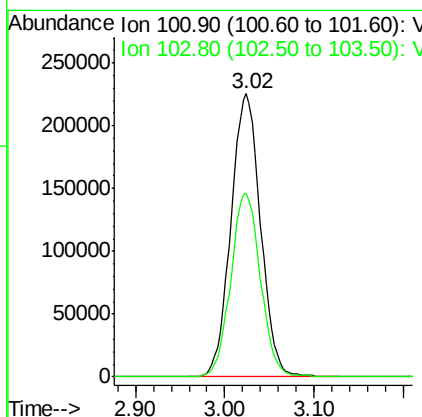
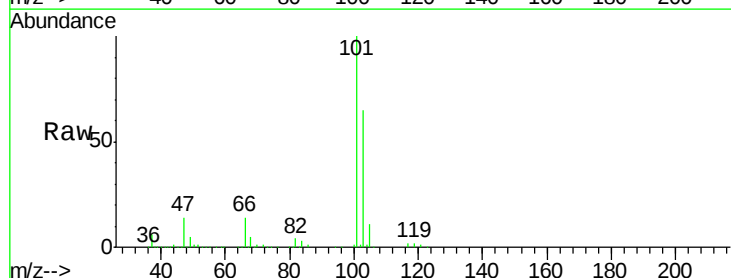
Acq: 18 Sep 2015 7:18

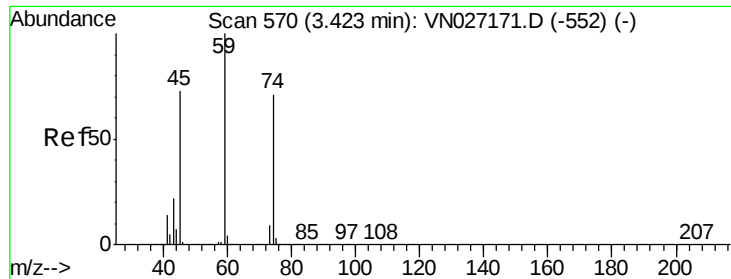
Tgt Ion: 101 Resp: 519825

Ion Ratio Lower Upper

101 100

103 64.7 52.6 79.0





#9

Diethyl Ether

Concen: 47.97 ug/l

RT: 3.42 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

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Tot Ion: 74 Resp: 238015

Ion Ratio Lower Upper

74 100

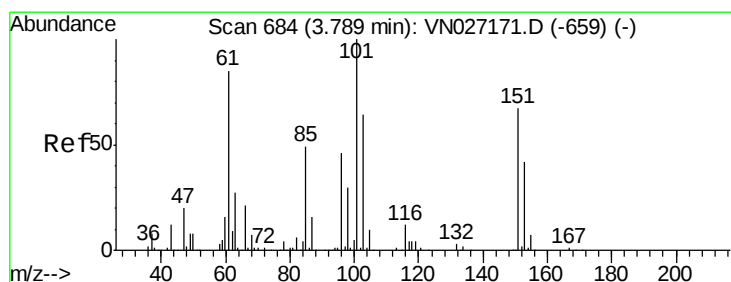
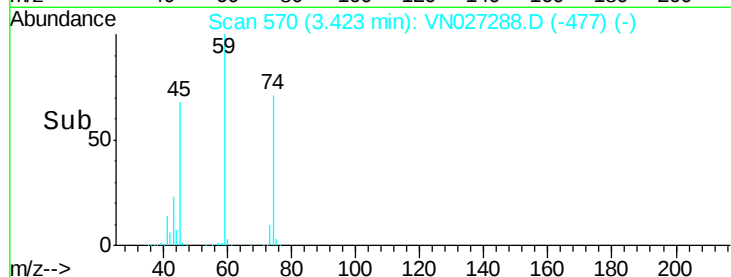
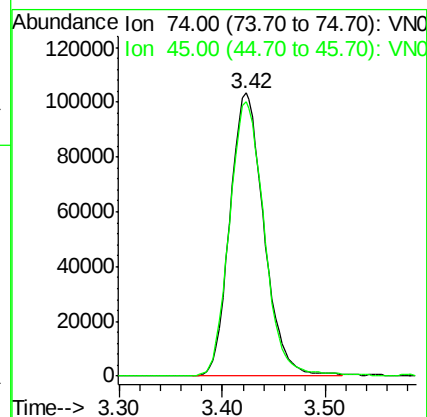
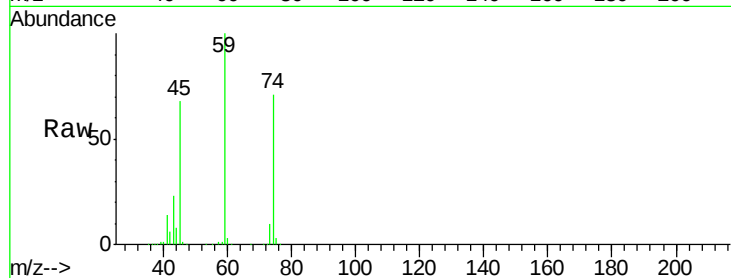
45 99.3 58.1 174.3

Manual Integrations

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#10

1,1,2-Trichlorotrifluoroethane

Concen: 47.42 ug/l

RT: 3.79 min Scan# 684

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

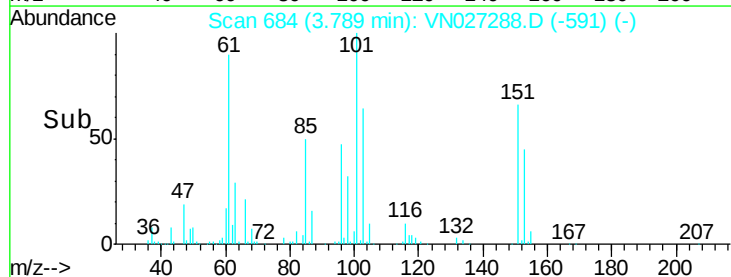
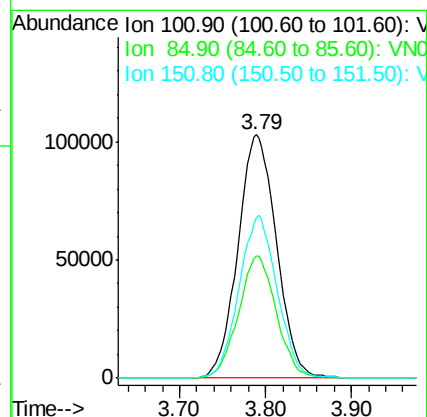
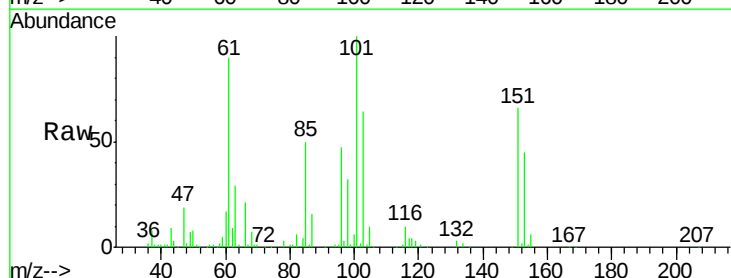
Tgt Ion: 101 Resp: 321160

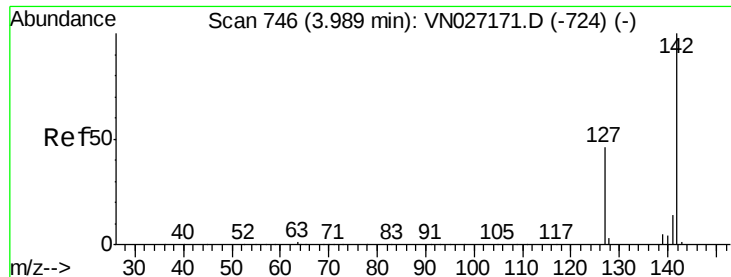
Ion Ratio Lower Upper

101 100

85 49.1 37.4 56.0

151 66.0 55.9 83.9





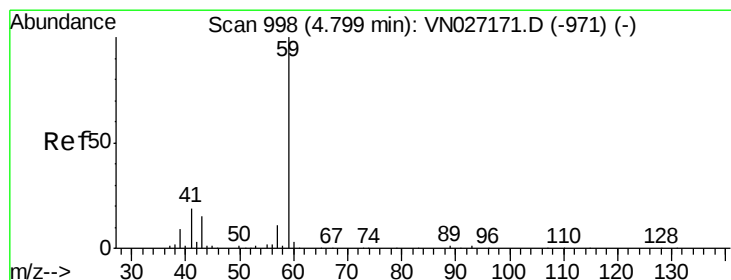
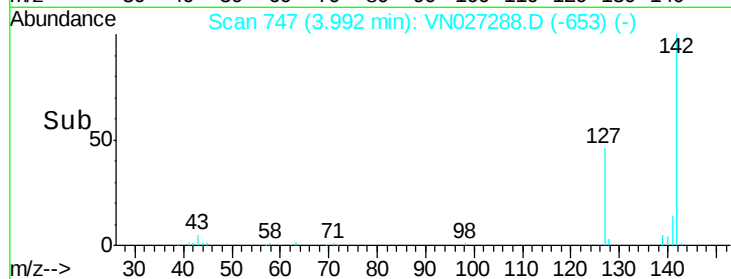
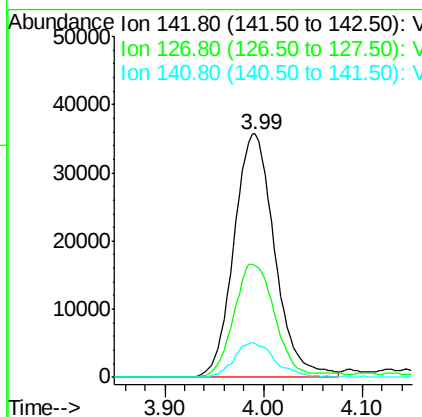
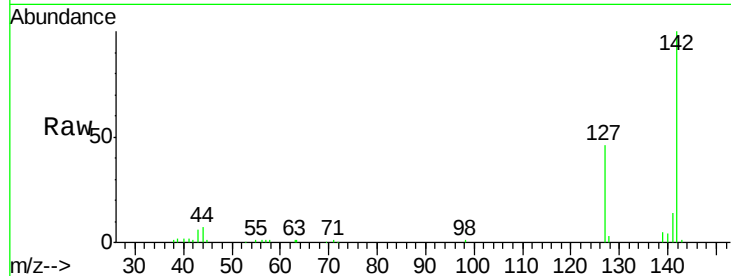
#11
Methvl Iodide
Concen: 15.59 ug/l
RT: 3.99 min Scan# 747
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
142	100	102618		
127	46.7		32.3	48.5
141	14.2		11.2	16.8

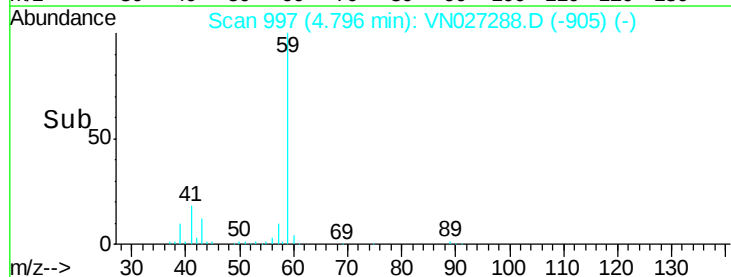
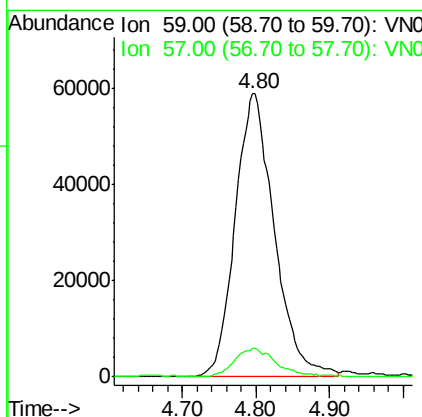
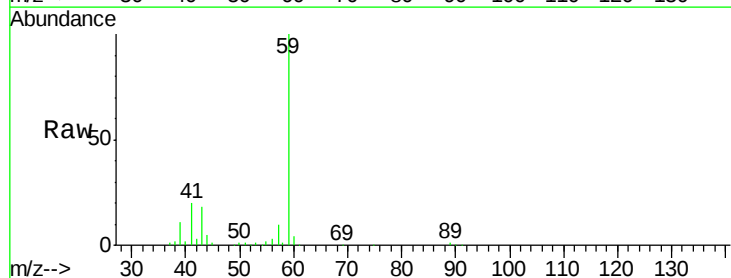
Manual Integrations
APPROVED

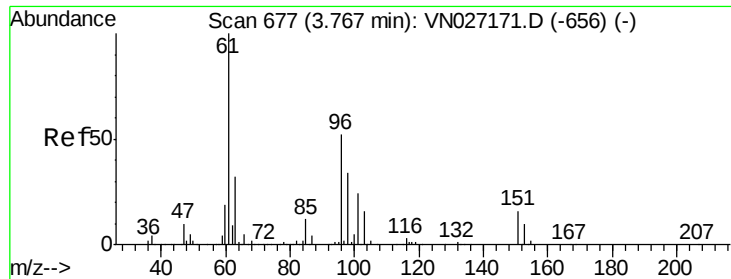
MMDadoda
9/18/2015 12:24:37 PM



#12
Tert butyl alcohol
Concen: 215.58 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	218162		
57	10.7		7.6	11.4





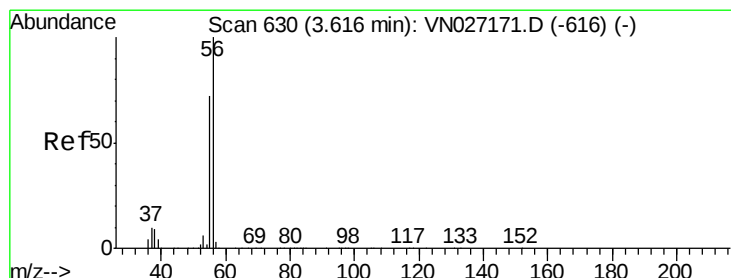
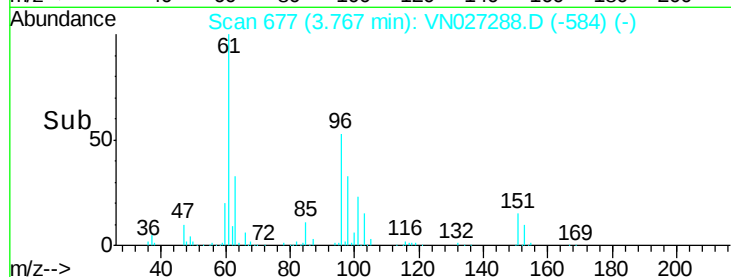
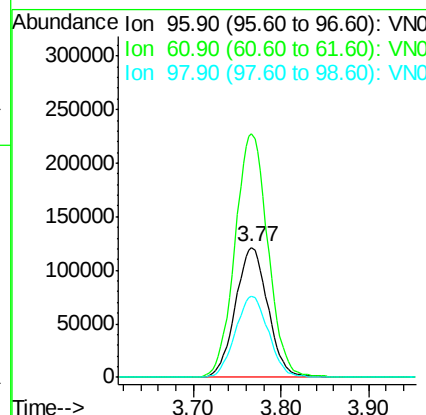
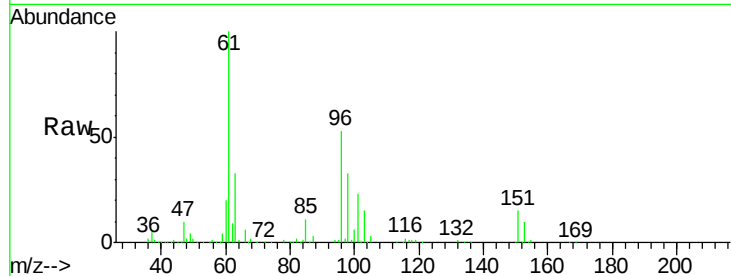
#13
 1,1-Dichloroethene
 Concen: 48.19 ug/l
 RT: 3.77 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	187.3	143.8	215.8
98	62.2	50.3	75.5

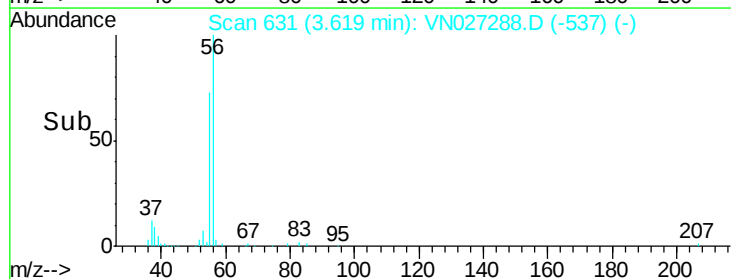
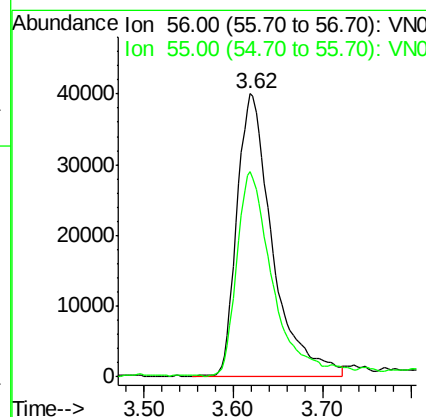
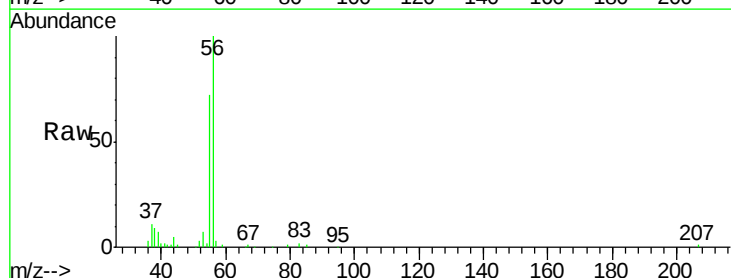
Manual Integrations
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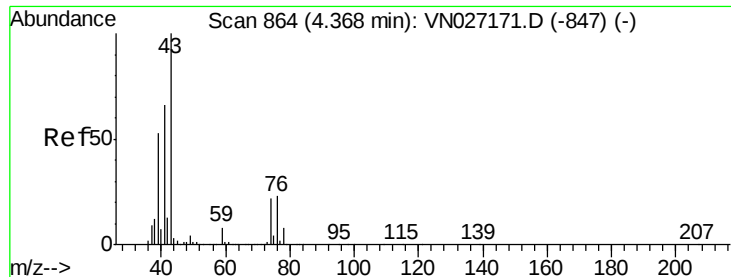
MMDadoda
 9/18/2015 12:24:37 PM



#14
 Acrolein
 Concen: 93.78 ug/l
 RT: 3.62 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion	Ratio	Lower	Upper
56	100		
55	71.6	55.7	83.5





#15

Allvl chloride

Concen: 43.34 ug/l

RT: 4.37 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

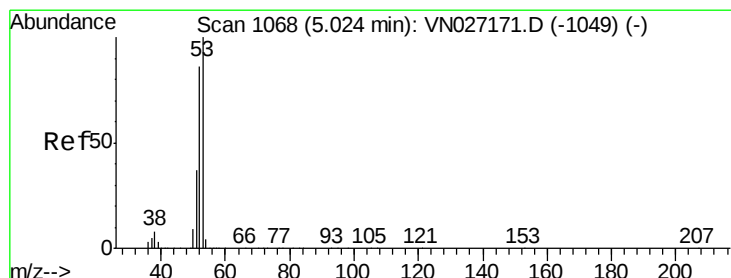
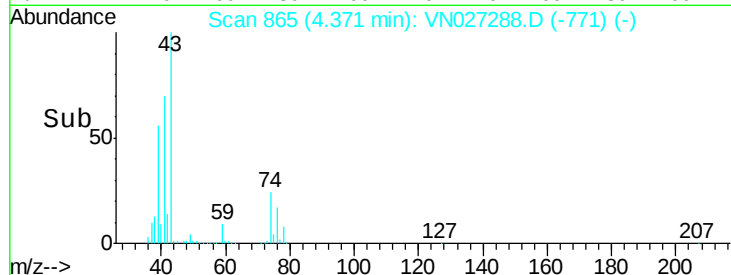
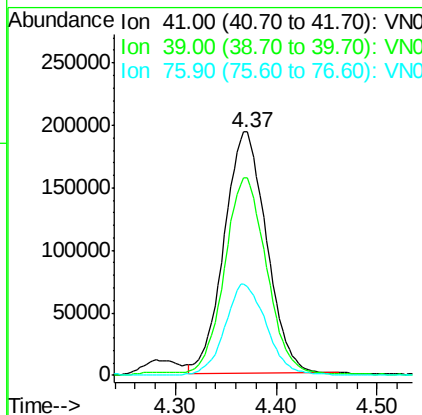
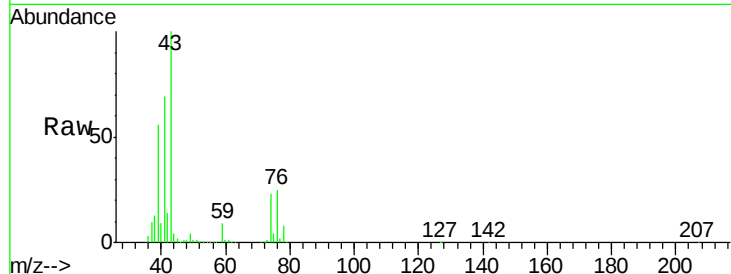
ClientSampleId :

VSTDCCC050EC

Tot Ion:	41	Resp:	567716
Ion Ratio	Lower	Upper	
41	100		
39	80.0	49.7	74.5#
76	36.2	24.8	37.2

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#16

Acrylonitrile

Concen: 240.95 ug/l

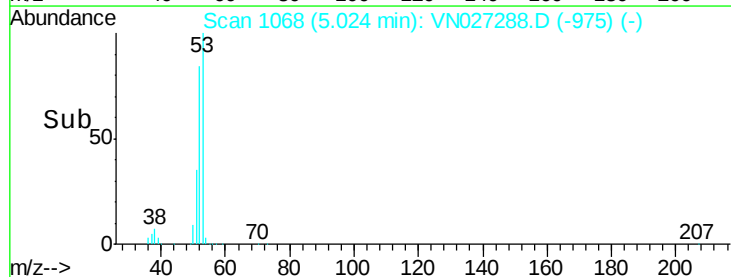
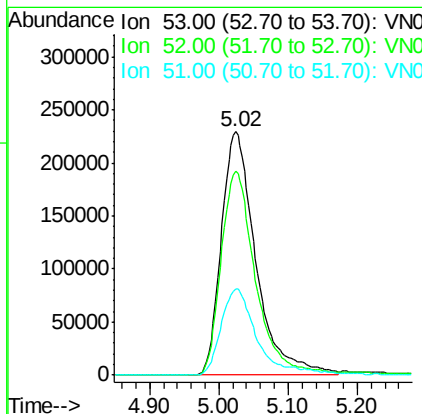
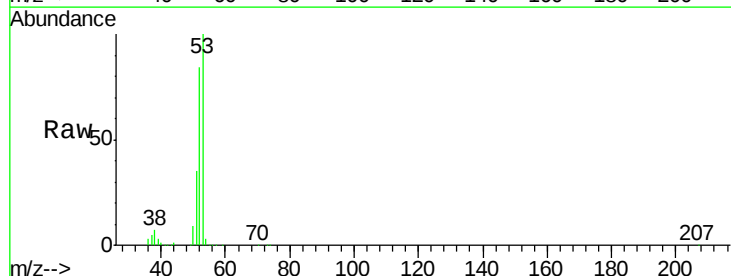
RT: 5.02 min Scan# 1068

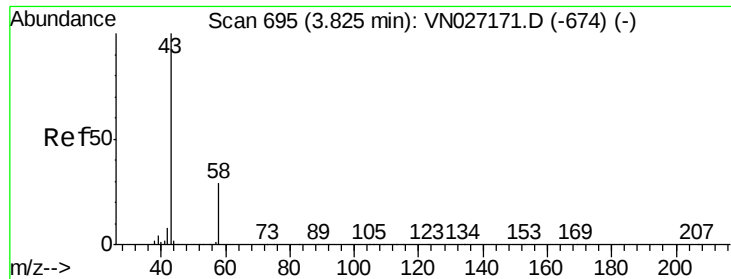
Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Tgt Ion:	53	Resp:	797378
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.9	100.3
51	36.5	27.4	41.0





#17

Acetone

Concen: 225.92 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 630378

Ion Ratio Lower Upper

43 100

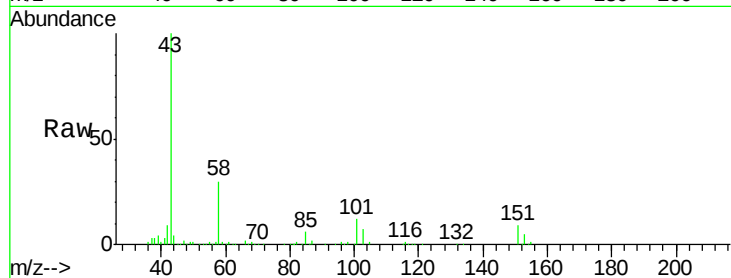
58 30.5 25.4 38.0

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250000

200000

150000

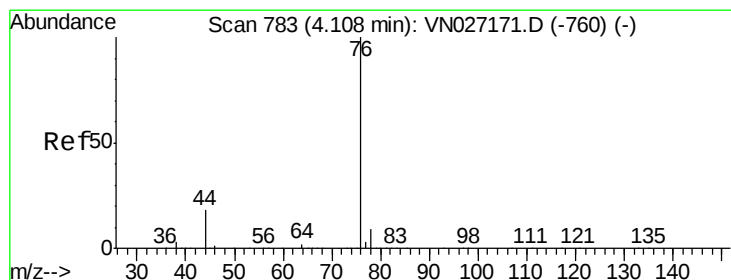
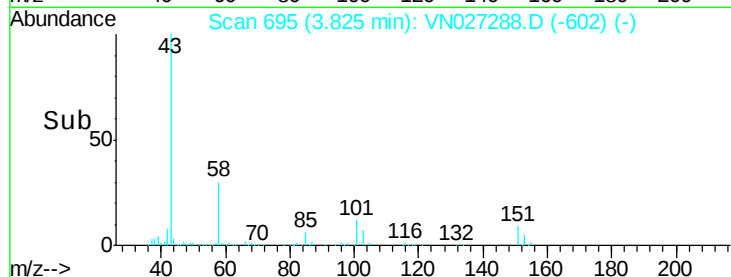
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#18

Carbon Disulfide

Concen: 43.39 ug/l

RT: 4.11 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN027288.D

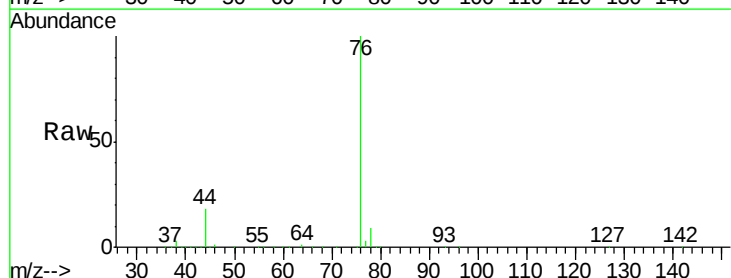
Acq: 18 Sep 2015 7:18

Tgt Ion: 76 Resp: 916416

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

400000

300000

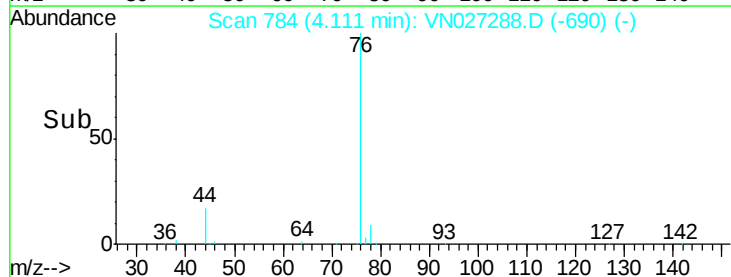
200000

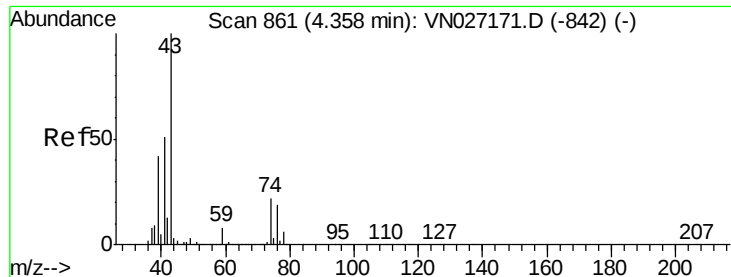
100000

0

4.00 4.10 4.20

Time-->





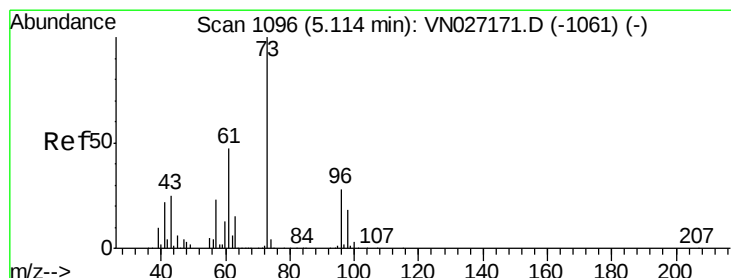
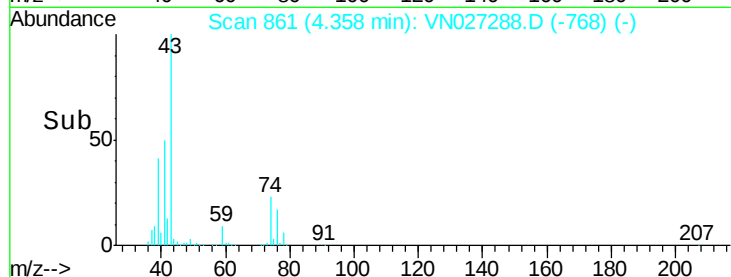
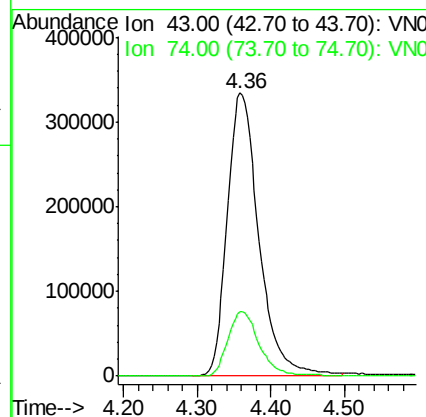
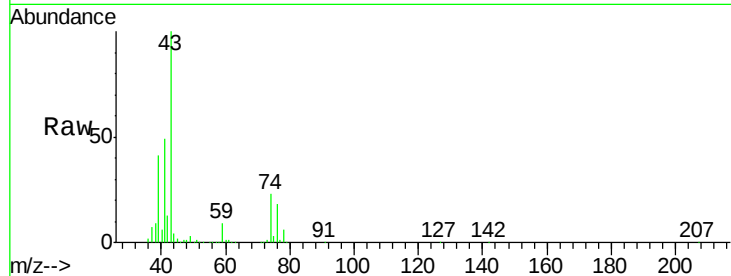
#19
Methyl Acetate
Concen: 49.08 ug/l
RT: 4.36 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	991842
Ion Ratio	100	Lower	Upper
74	22.7	16.2	24.2

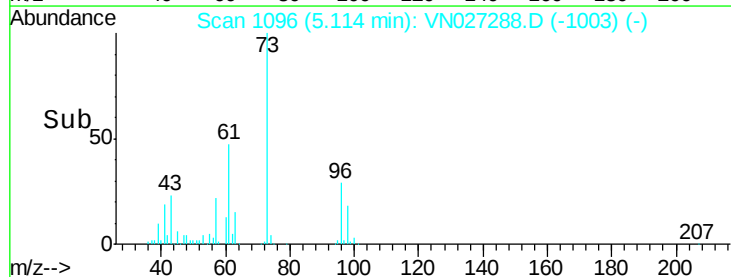
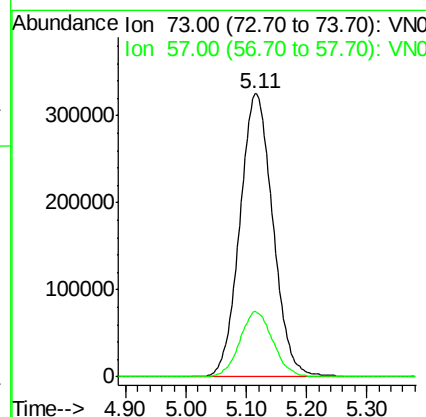
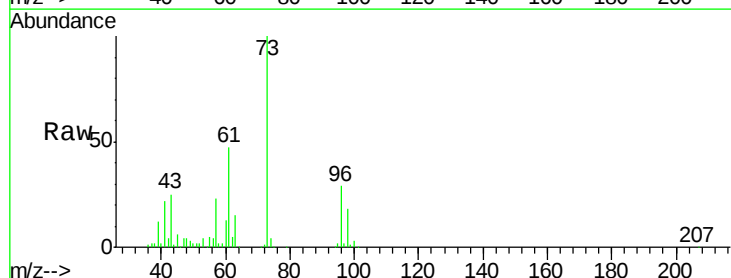
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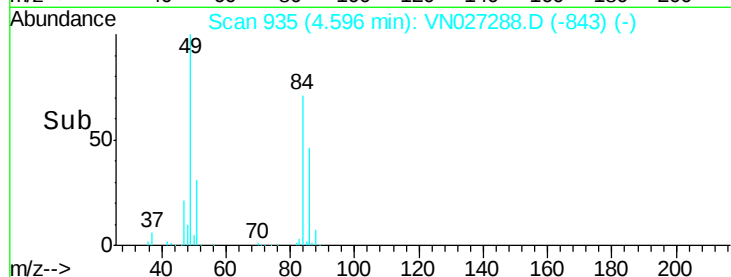
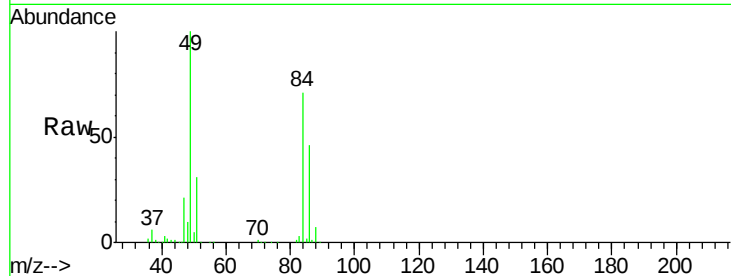
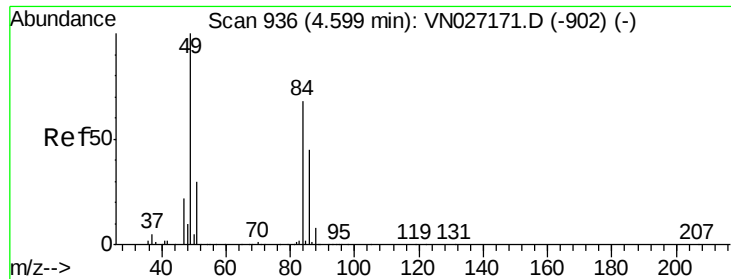
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#20
Methyl tert-butyl Ether
Concen: 47.96 ug/l
RT: 5.11 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

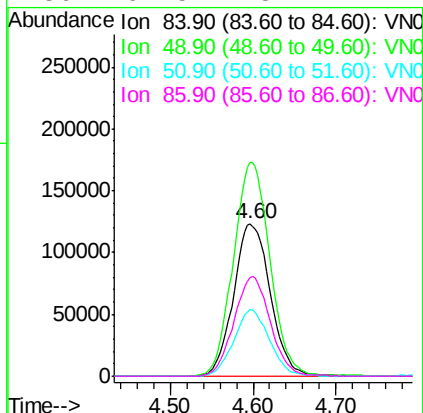
Tgt Ion	73	Resp	1248582
Ion Ratio	100	Lower	Upper
57	23.2	19.8	29.6





#21
Methvlene Chloride
Concen: 48.91 ug/l
RT: 4.60 min Scan# 935
Delta R.T. -0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

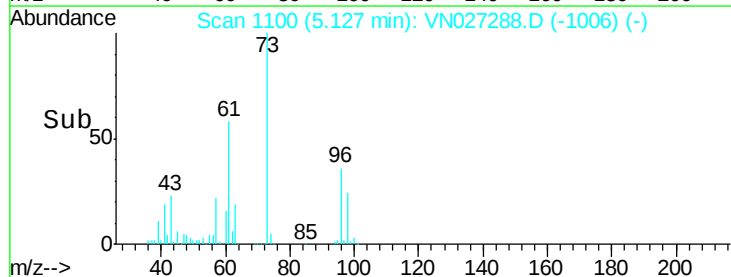
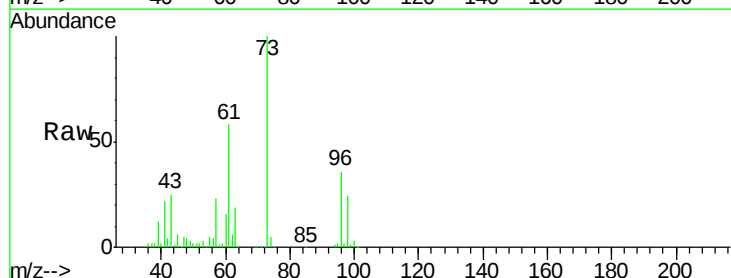
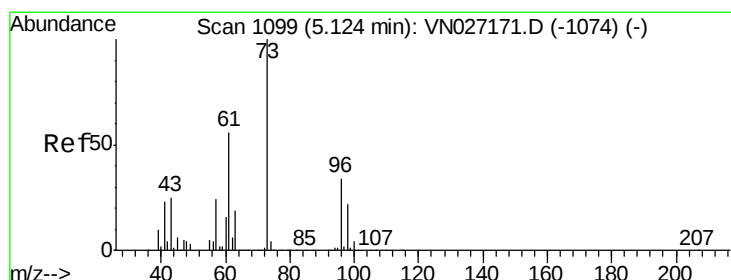
Tot Ion	84	Resp	380183
Ion Ratio	Lower	Upper	
84	100		
49	139.8	112.3	168.5
51	43.4	33.8	50.8
86	64.5	48.2	72.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

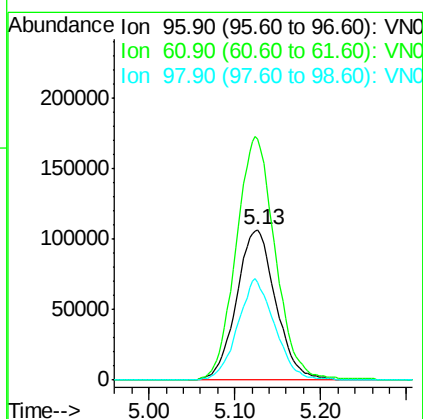
Manual Integrations
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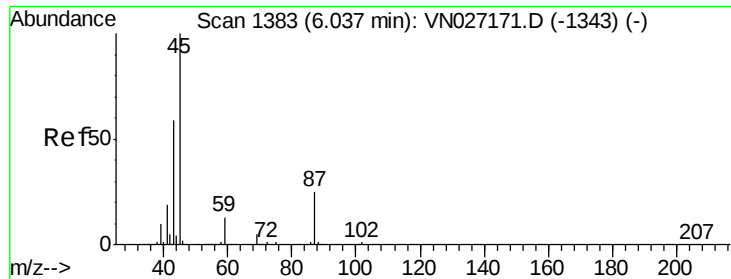
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 48.04 ug/l
RT: 5.13 min Scan# 1100
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Tgt Ion	96	Resp	336996
Ion Ratio	Lower	Upper	
96	100		
61	160.6	126.6	189.8
98	65.4	47.4	71.2





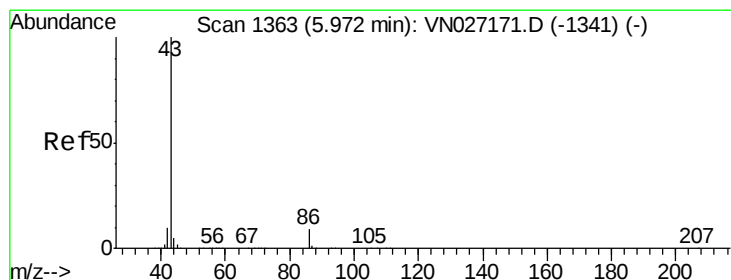
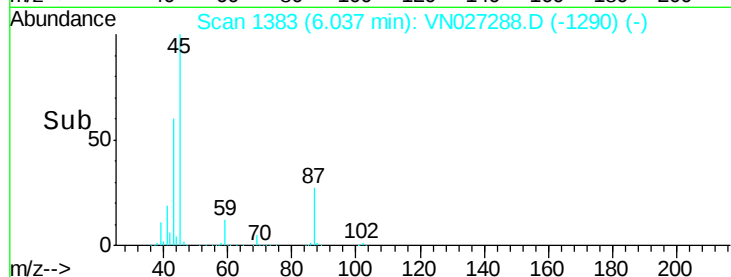
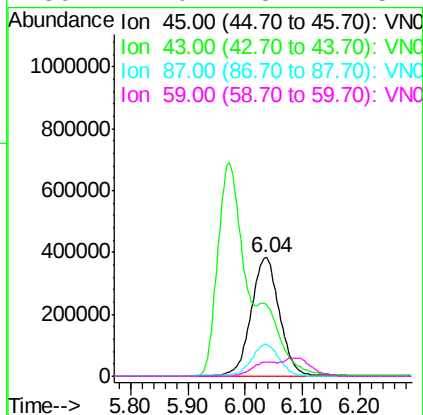
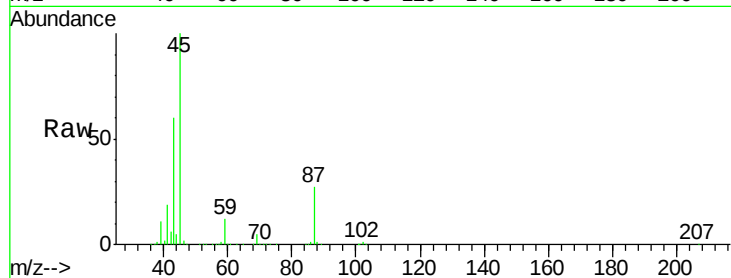
#23
Diisopropyl ether
Concen: 48.09 ug/l
RT: 6.04 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	60.3	41.0	61.6	
87	27.0	17.5	26.3	
59	12.0	8.7	13.1	

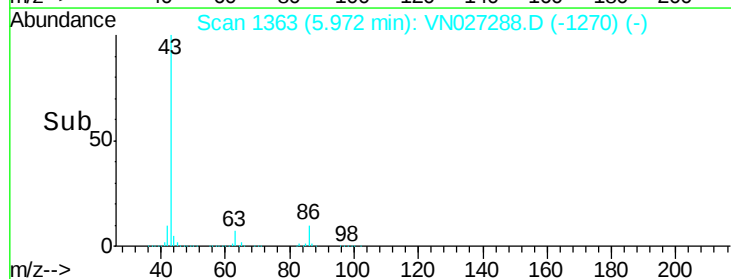
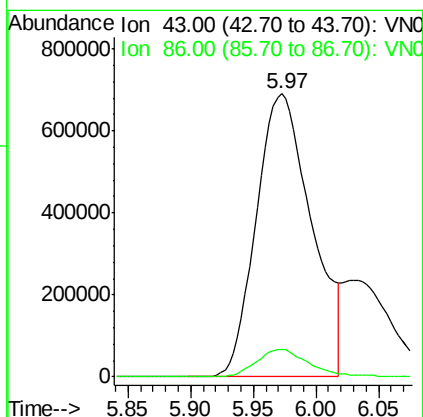
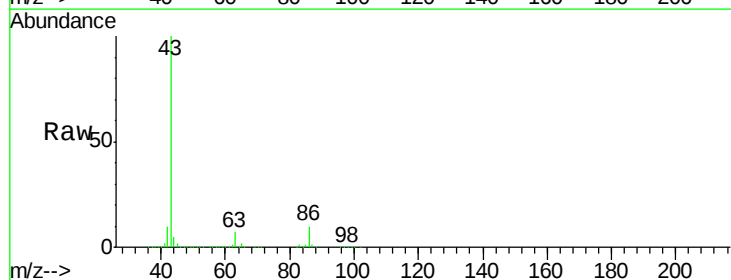
Manual Integrations
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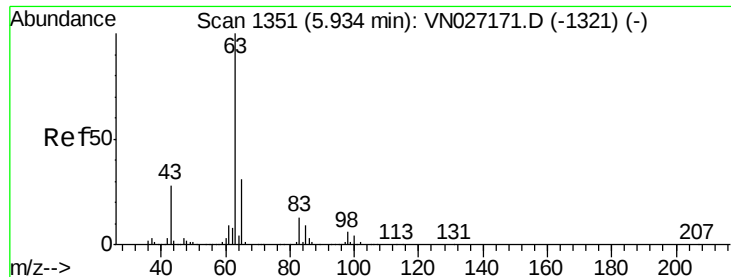
MMDadoda
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#24
Vinyl Acetate
Concen: 233.29 ug/l
RT: 5.97 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
86	9.8	6.9	10.3	





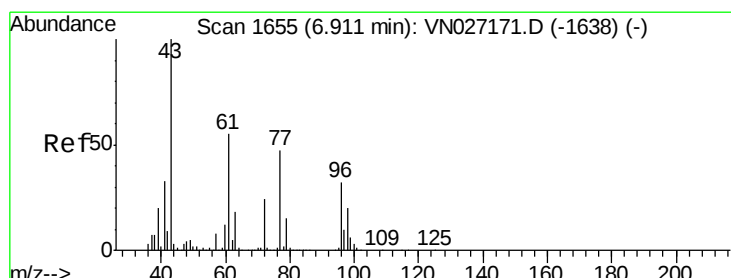
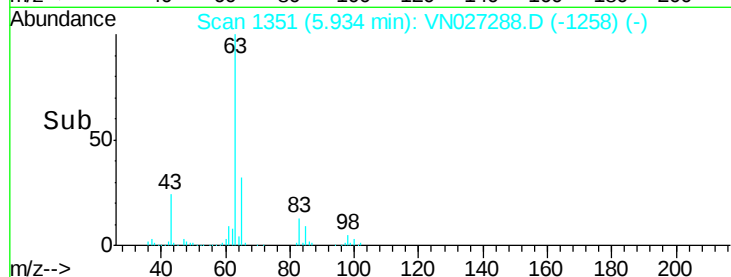
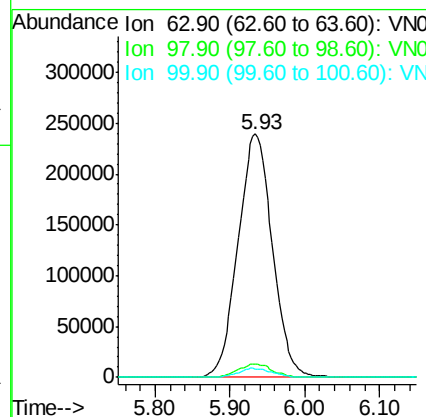
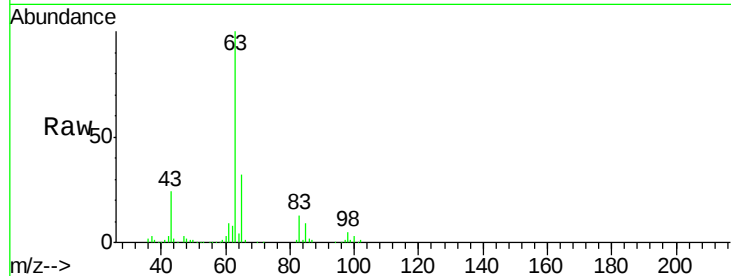
#25
 1,1-Dichloroethane
 Concen: 47.78 ug/l
 RT: 5.93 min Scan# 1351
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	5.5	2.8	8.3
100	3.4	1.7	5.0

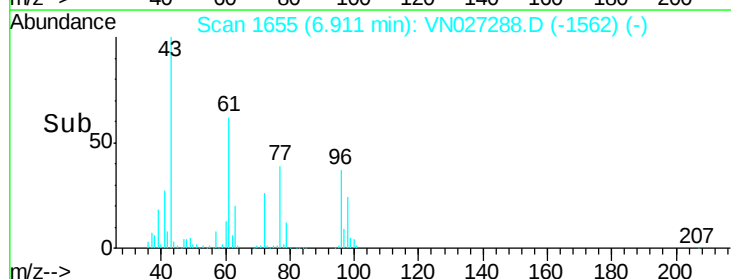
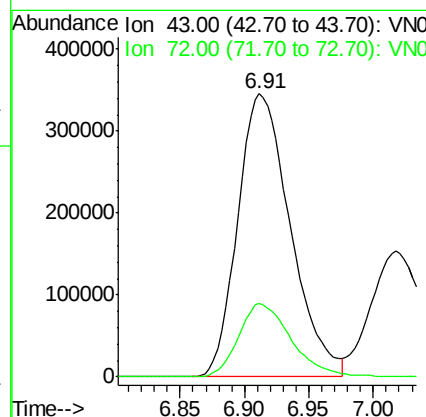
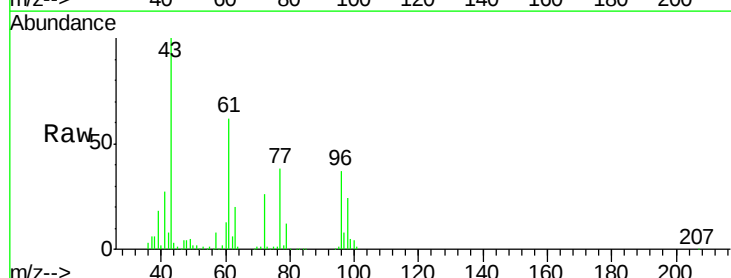
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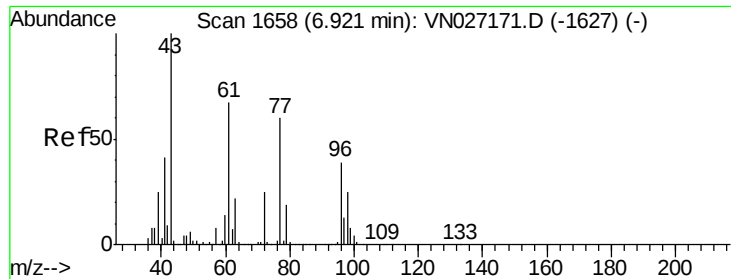
MMDadoda
 9/18/2015 12:24:37 PM



#26
 2-Butanone
 Concen: 232.14 ug/l
 RT: 6.91 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
72	26.0	18.8	28.2





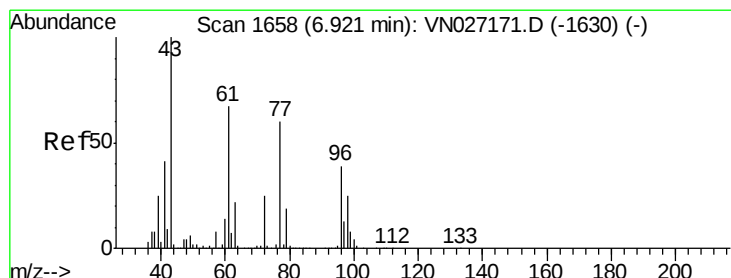
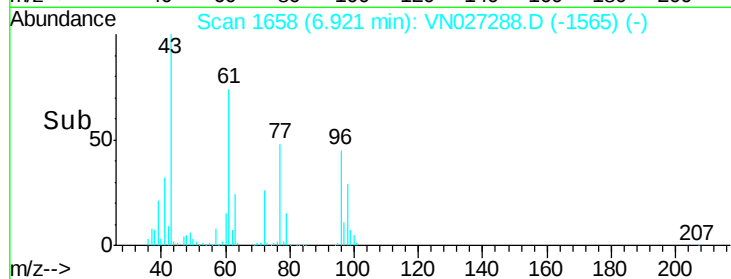
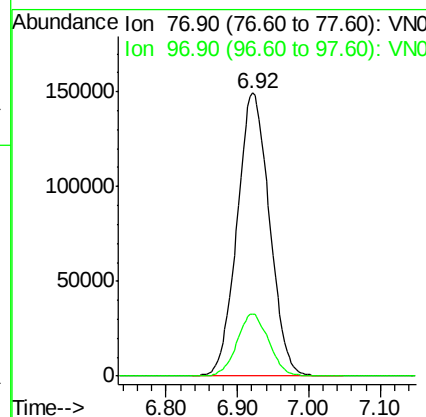
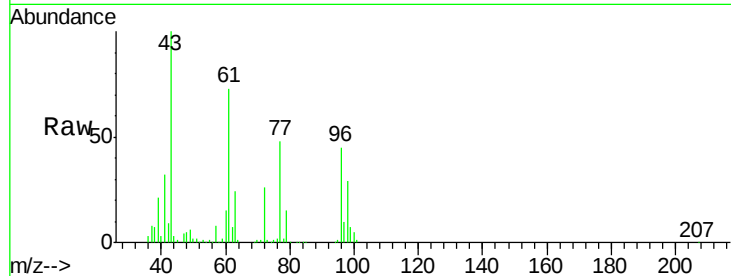
#27
 2,2-Dichloropropane
 Concen: 34.15 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
77	100		
97	21.6	11.8	35.3

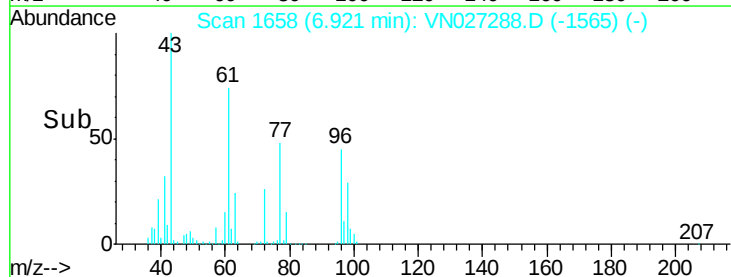
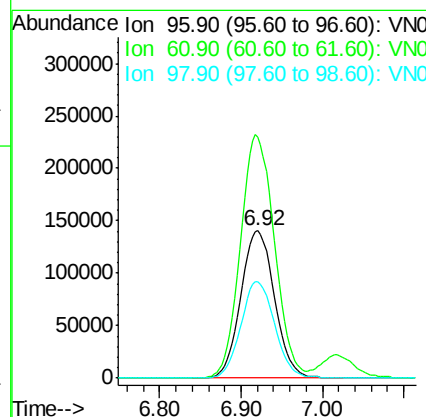
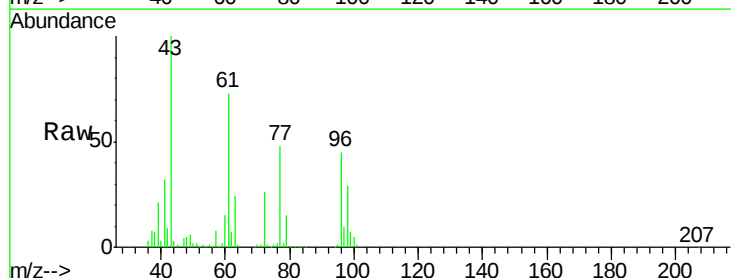
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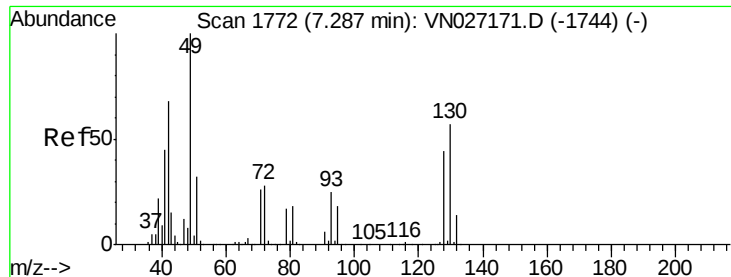
MMDadoda
 9/18/2015 12:24:37 PM



#28
 cis-1,2-Dichloroethene
 Concen: 50.09 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.3	0.0	329.2
98	65.4	0.0	126.0





#29

Bromochloromethane

Concen: 50.59 ug/l

RT: 7.29 min Scan# 1772

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 49 Resp: 313496

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.2

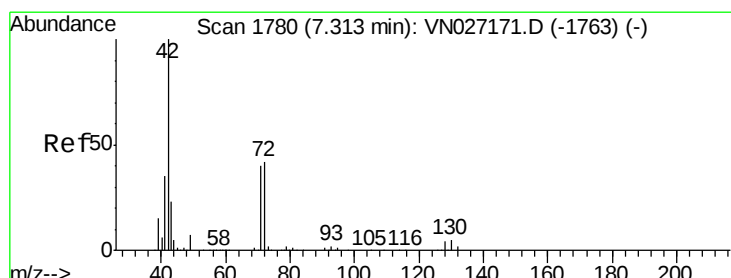
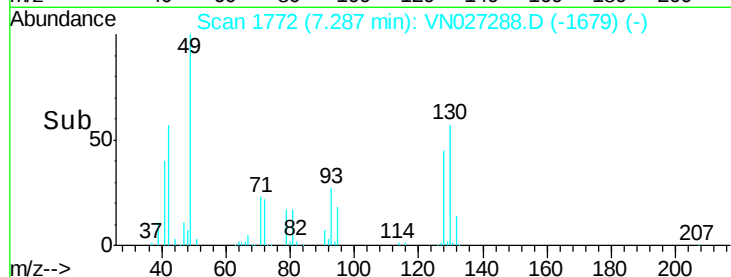
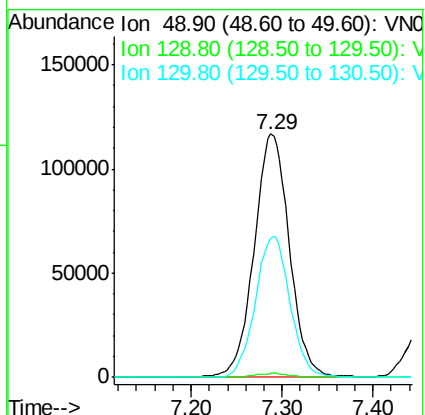
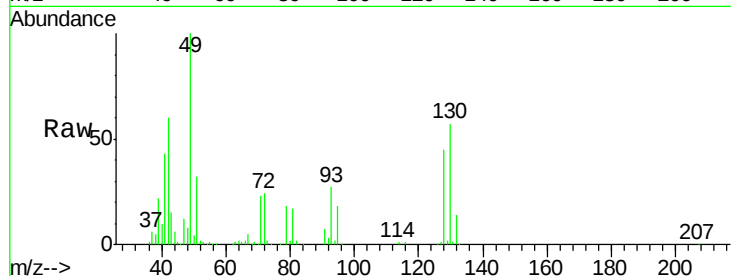
130 56.9 43.2 64.8

Manual Integrations

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#30

Tetrahydrofuran

Concen: 220.58 ug/l

RT: 7.31 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

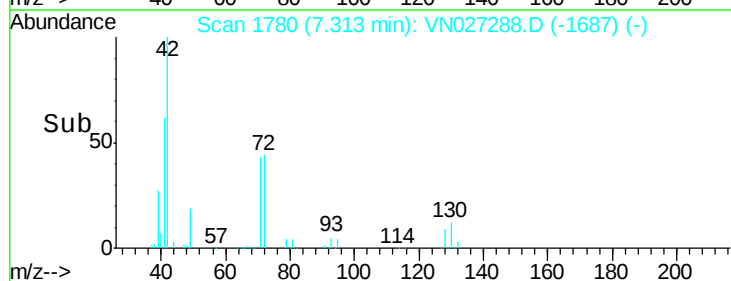
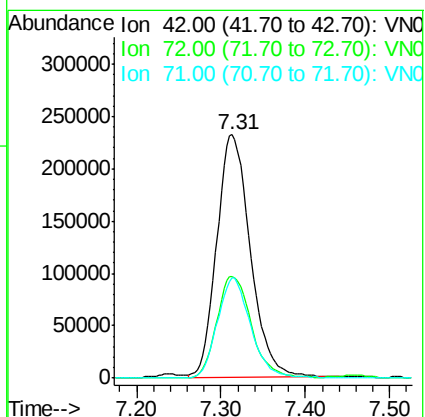
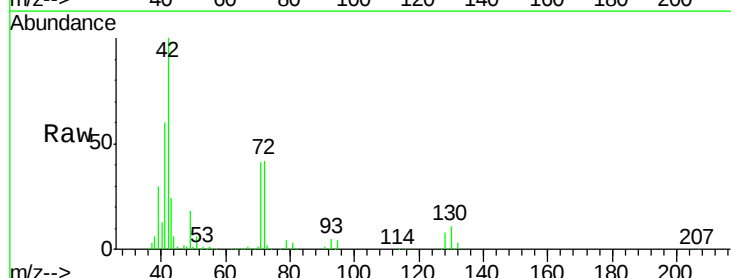
Tgt Ion: 42 Resp: 638741

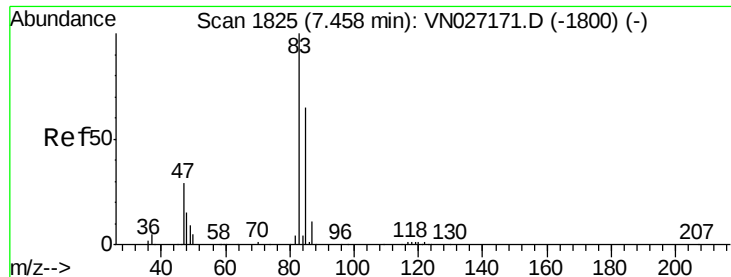
Ion Ratio Lower Upper

42 100

72 43.3 29.9 44.9

71 41.4 28.3 42.5





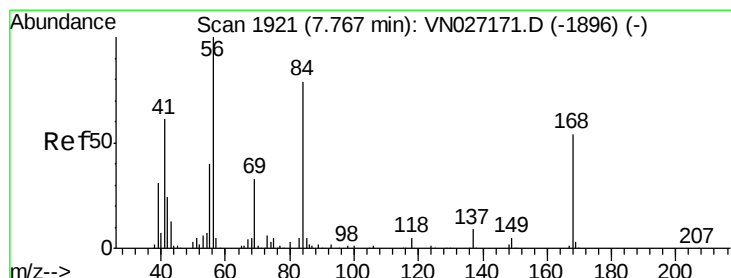
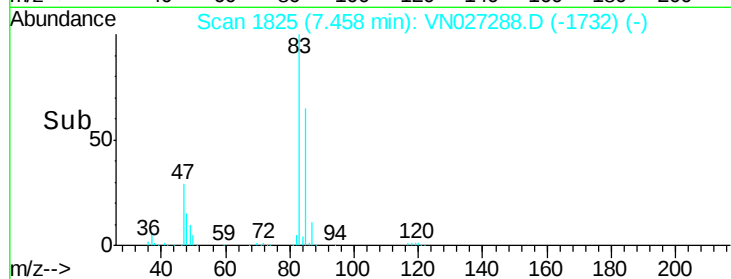
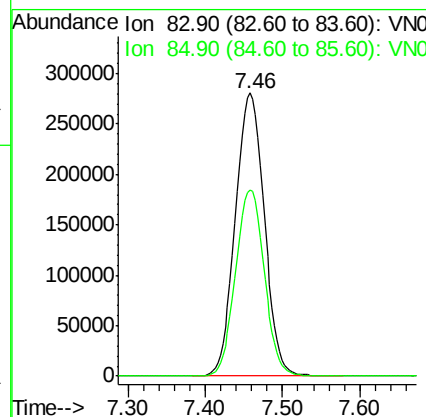
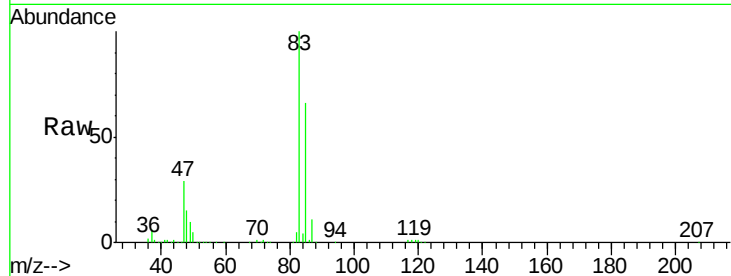
#31
Chloroform
Concen: 50.49 ug/l
RT: 7.46 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	728343
Ion Ratio	100	Lower	Upper
83	100		
85	65.7	51.1	76.7

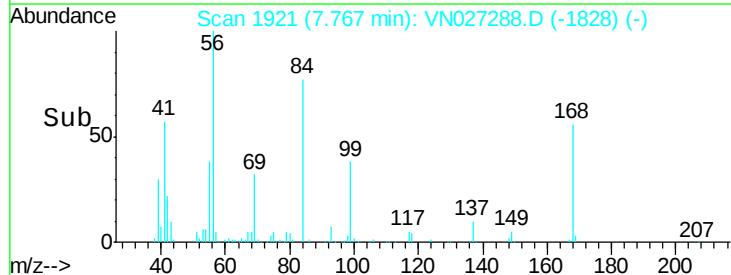
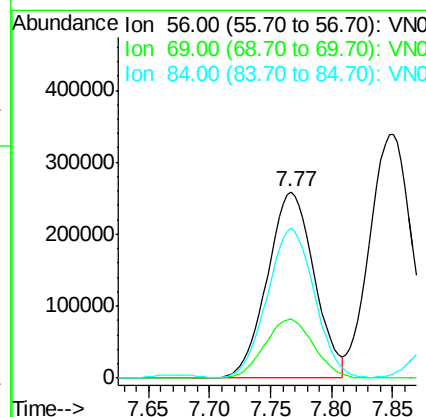
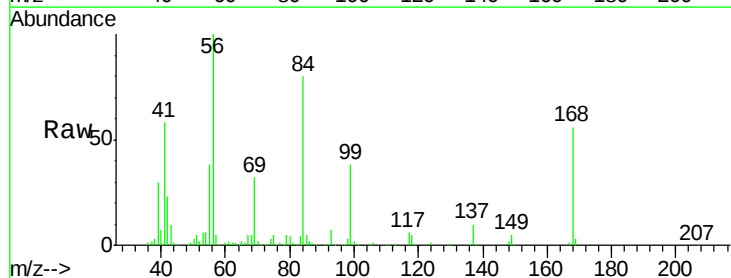
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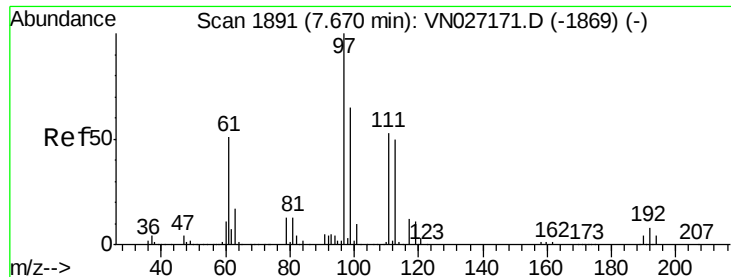
MMDadoda
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#32
Cyclohexane
Concen: 48.80 ug/l
RT: 7.77 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Tgt Ion	56	Resp	693911
Ion Ratio	100	Lower	Upper
56	100		
69	31.5	23.0	34.4
84	78.8	57.8	86.8





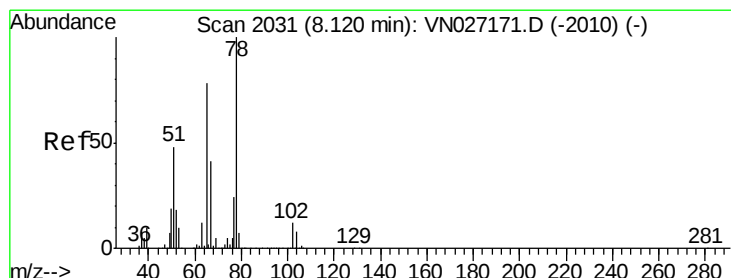
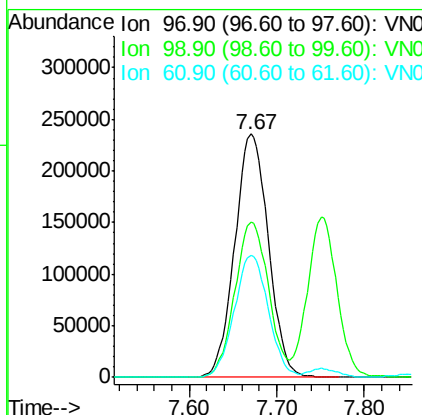
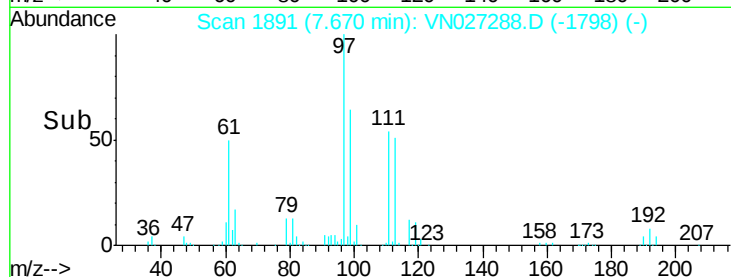
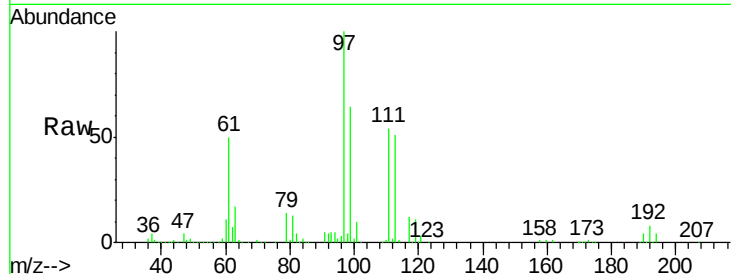
#33
 1,1,1-Trichloroethane
 Concen: 49.07 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.1	75.1
61	50.8	44.0	66.0

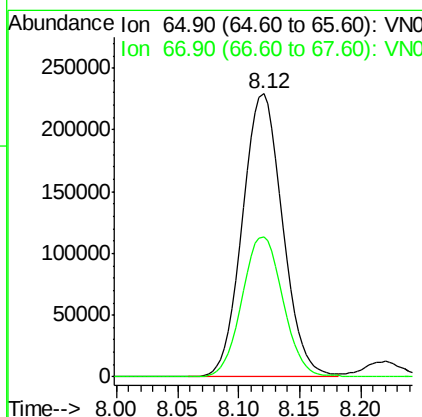
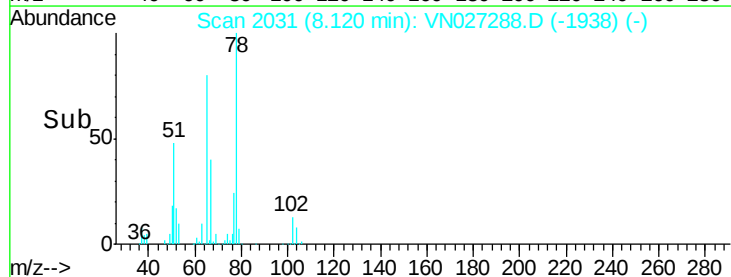
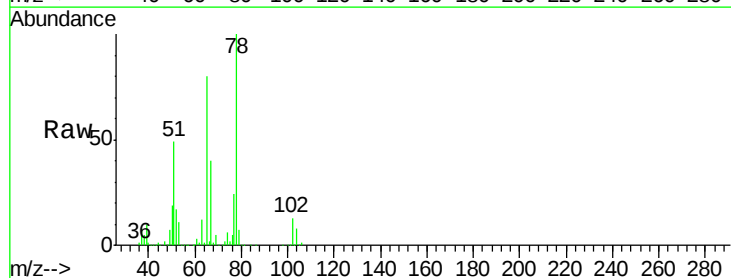
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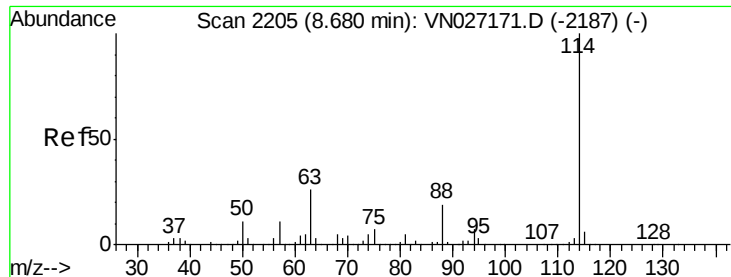
MMDadoda
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#34
 1,2-Dichloroethane-d4
 Concen: 50.50 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	110.6





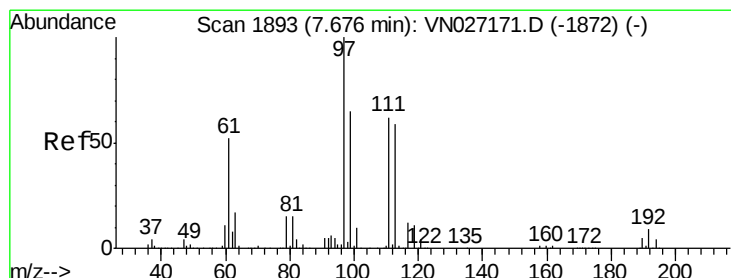
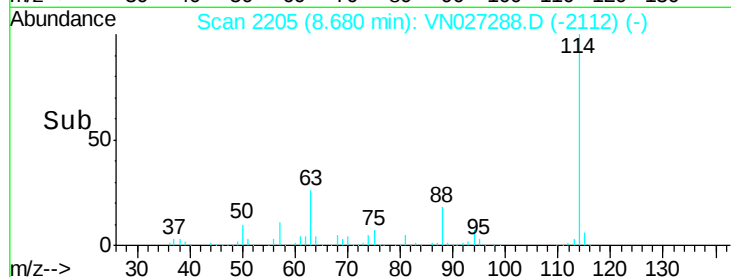
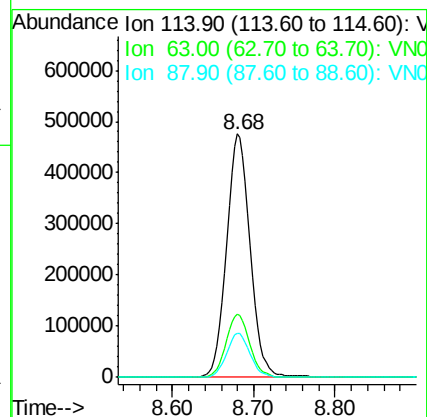
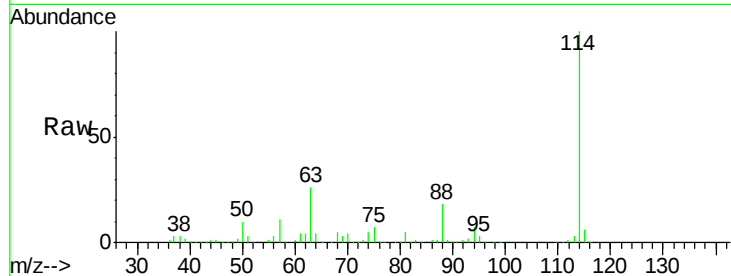
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
114	100	974705		
63	25.9		0.0	48.8
88	18.3		0.0	32.2

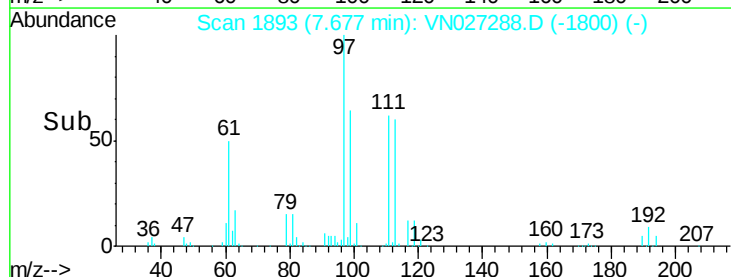
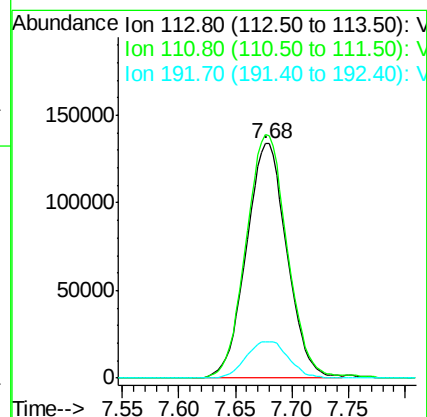
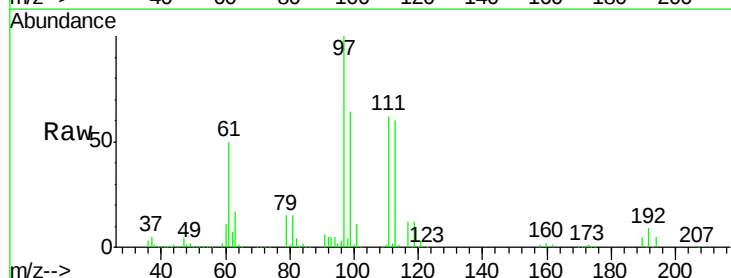
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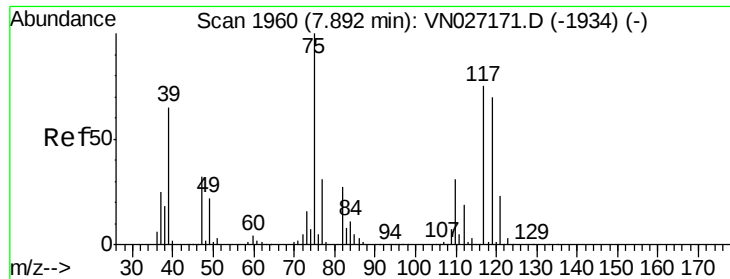
MMDadoda
 9/18/2015 12:24:37 PM



#36
 Dibromofluoromethane
 Concen: 49.44 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	334049		
111	106.1		83.0	124.4
192	16.5		14.1	21.1





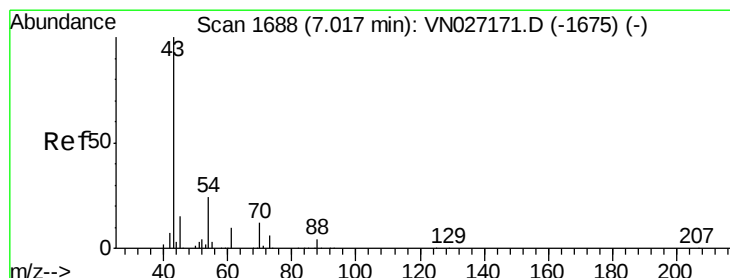
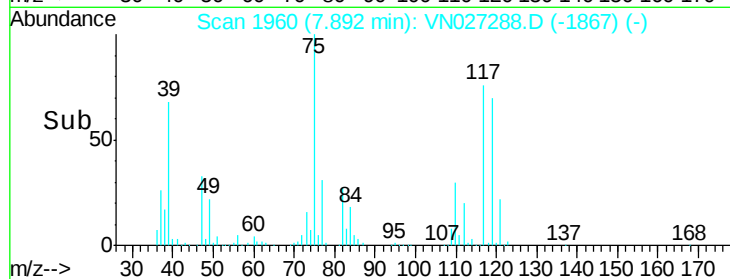
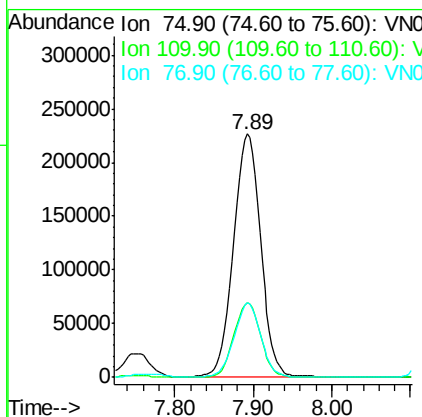
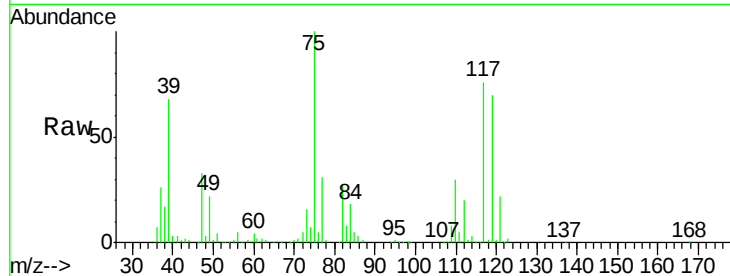
#37
 1,1-Dichloropropene
 Concen: 47.83 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	30.2	15.9	47.7
77	30.3	24.9	37.3

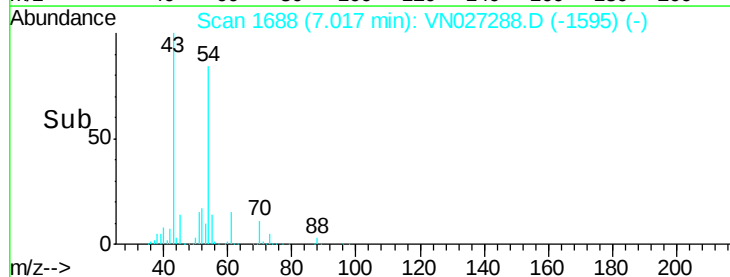
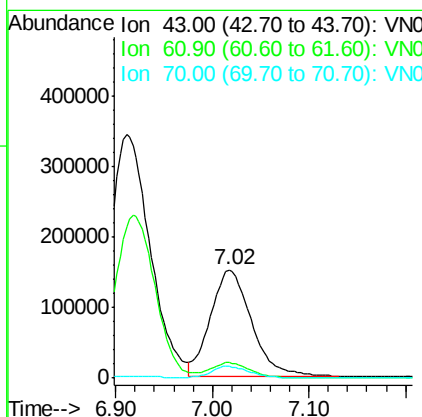
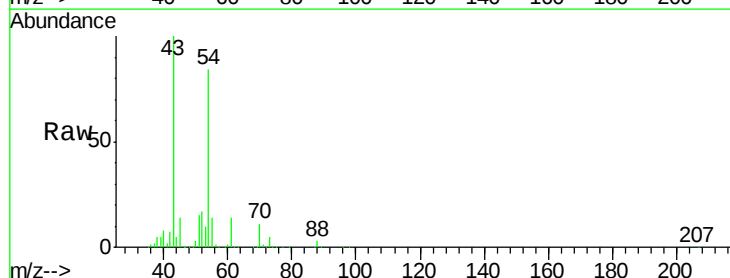
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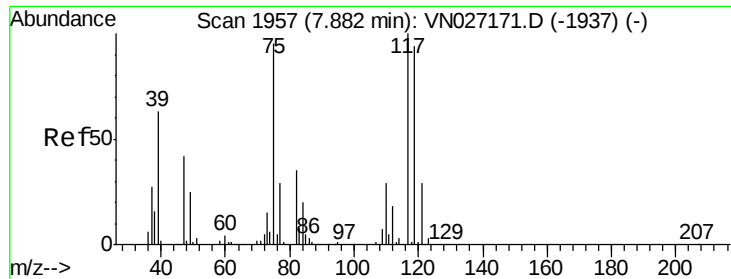
MMDadoda
 9/18/2015 12:24:37 PM



#38
 Ethyl Acetate
 Concen: 46.06 ug/l
 RT: 7.02 min Scan# 1688
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.2	15.4
70	10.1	7.4	11.0





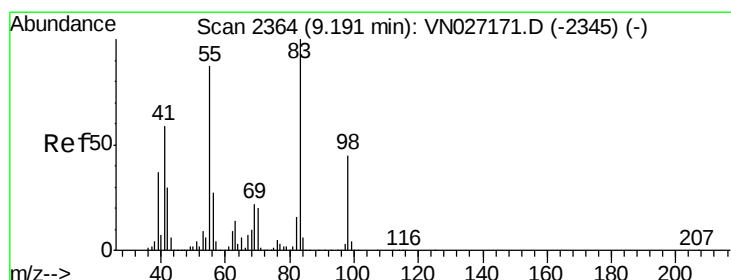
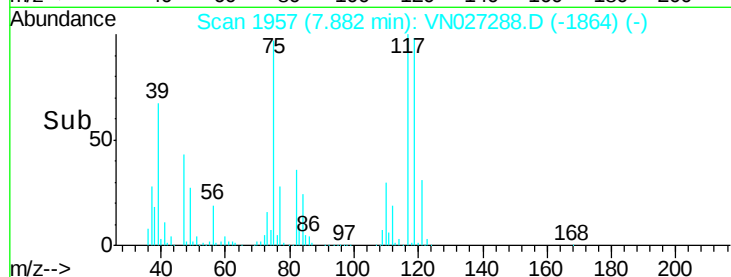
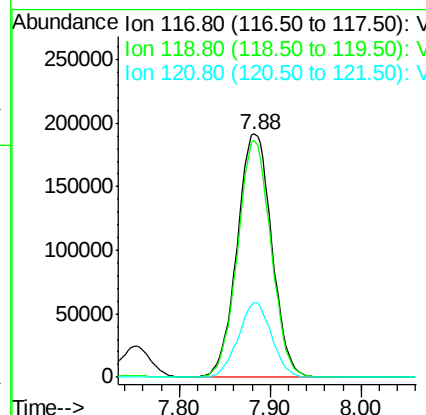
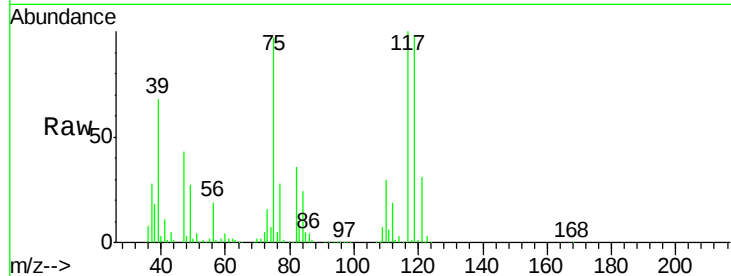
#39
Carbon Tetrachloride
Concen: 47.13 ug/l
RT: 7.88 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.3	112.9
121	30.5	23.8	35.8

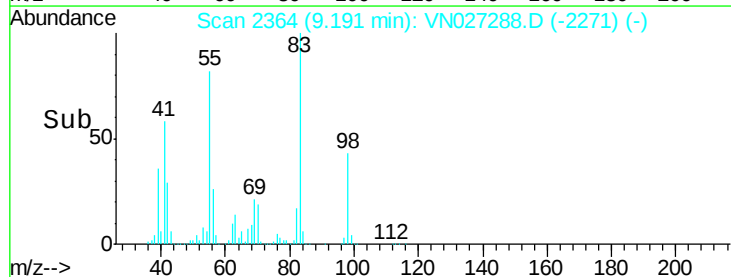
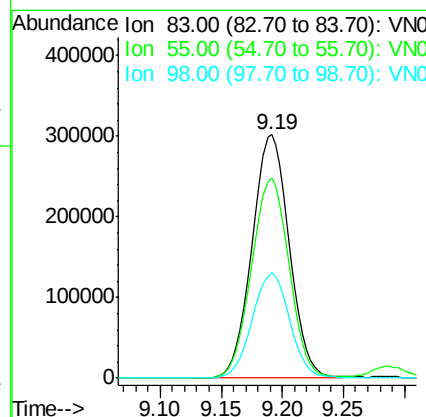
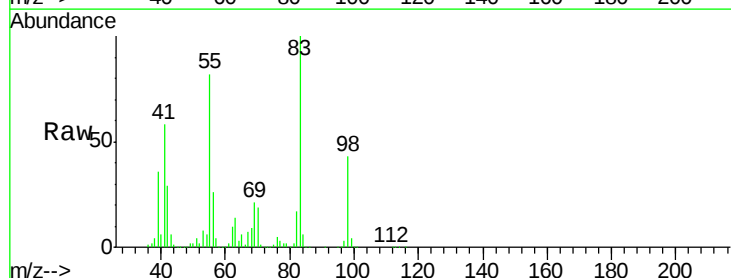
Manual Integrations
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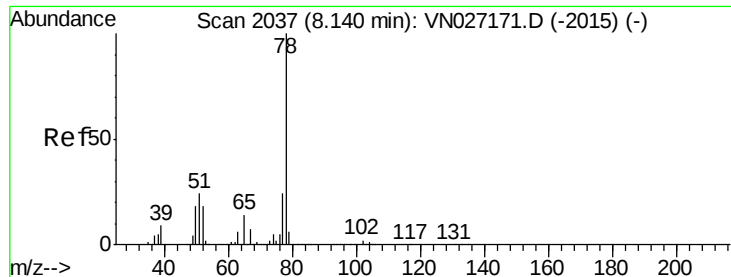
MMDadoda
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#40
Methylcyclohexane
Concen: 45.78 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.1	69.8	104.8
98	43.2	34.3	51.5





#41

Benzene

Concen: 48.03 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 78 Resp: 1598973

Ion Ratio Lower Upper

78 100

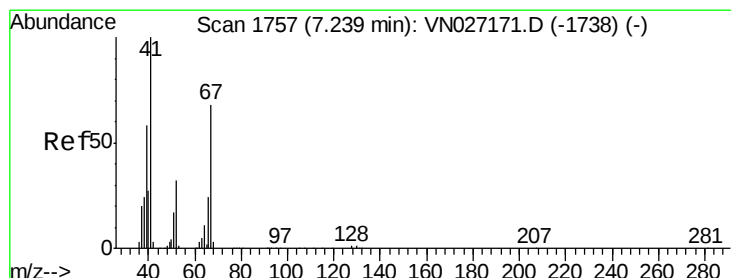
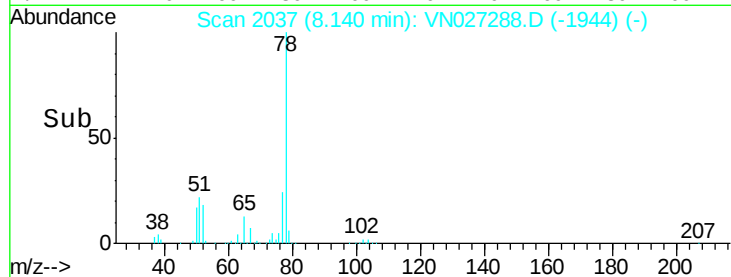
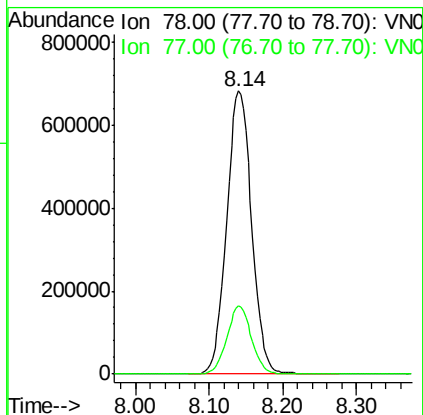
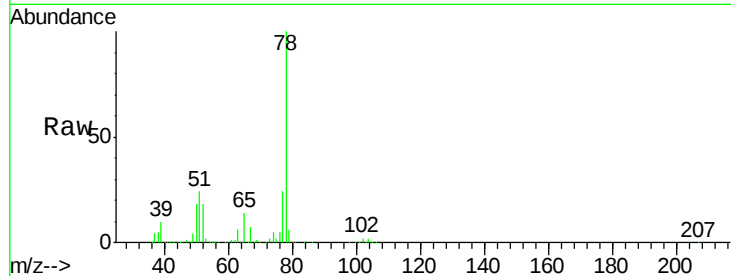
77 24.0 19.0 28.4

Manual Integrations

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MMDadoda

9/18/2015 12:24:37 PM



#42

Methacrylonitrile

Concen: 46.68 ug/l

RT: 7.24 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Tgt Ion: 41 Resp: 257469

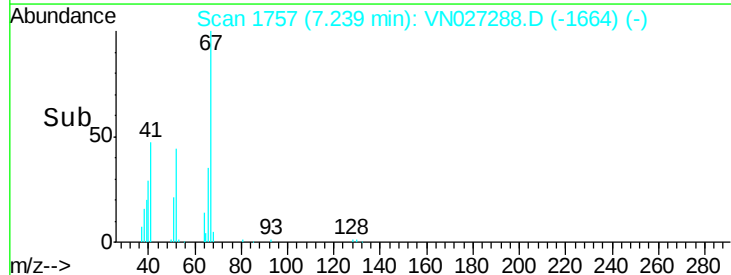
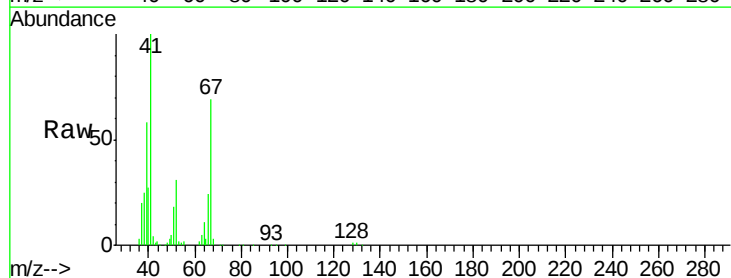
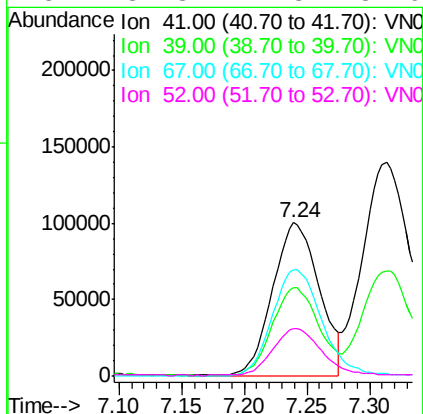
Ion Ratio Lower Upper

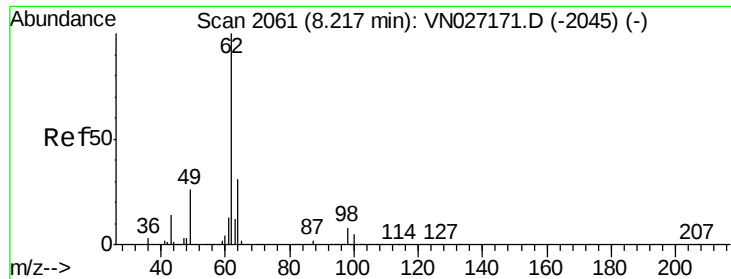
41 100

39 58.6 43.0 64.6

67 75.3 52.2 78.2

52 32.3 21.3 31.9#





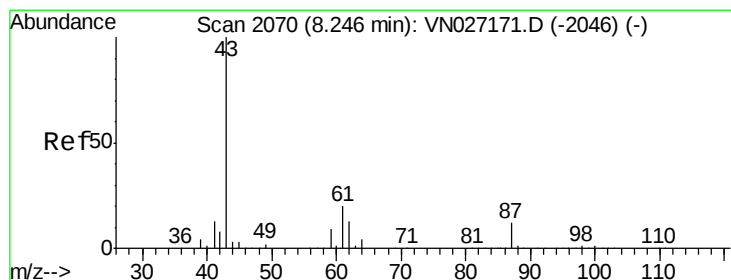
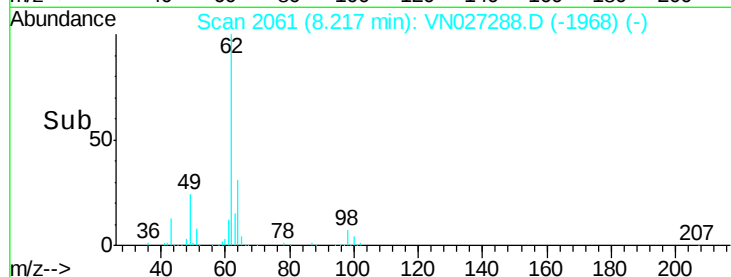
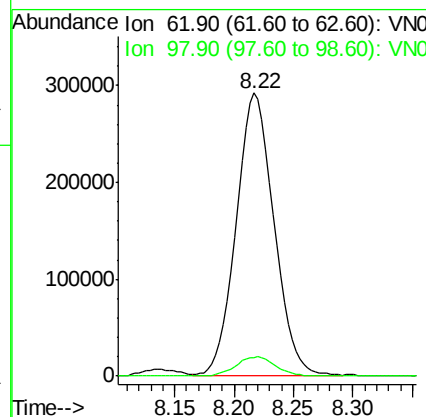
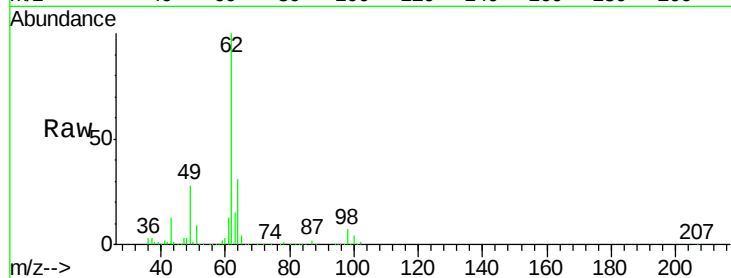
#43
 1,2-Dichloroethane
 Concen: 47.81 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
62	100	641178		
98	7.3	0.0	18.0	

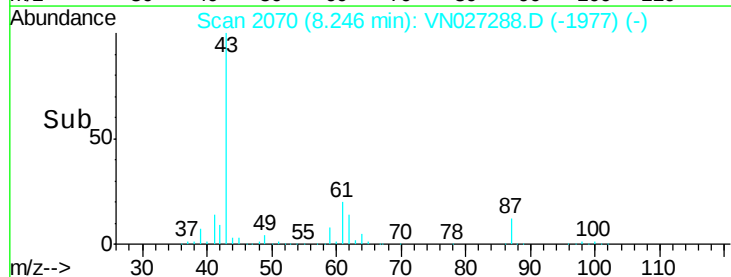
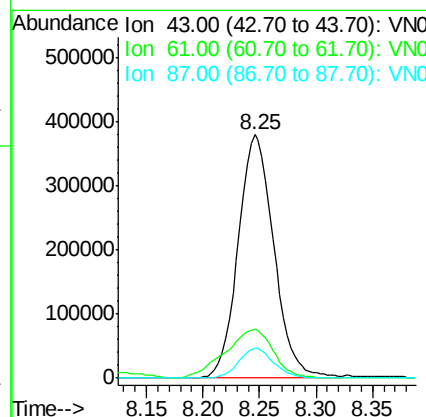
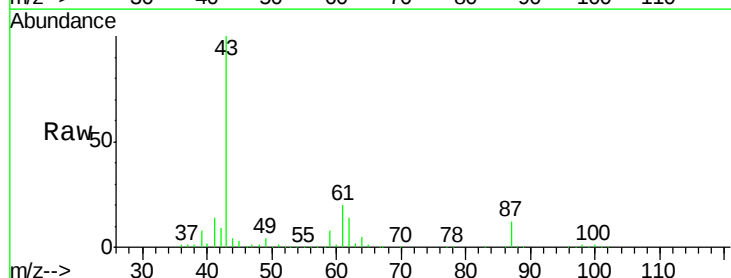
Manual Integrations
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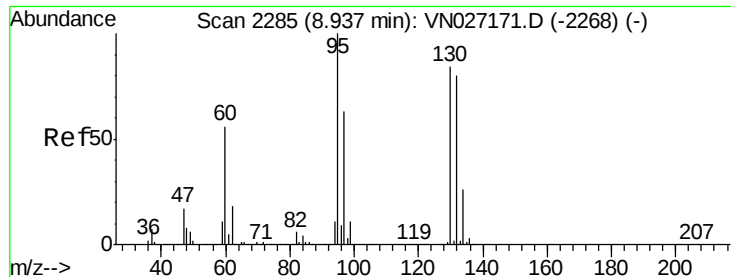
MMDadoda
 9/18/2015 12:24:37 PM



#44
 Isopropyl Acetate
 Concen: 45.65 ug/l
 RT: 8.25 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	832407		
61	27.0	20.6	31.0	
87	12.2	8.6	13.0	





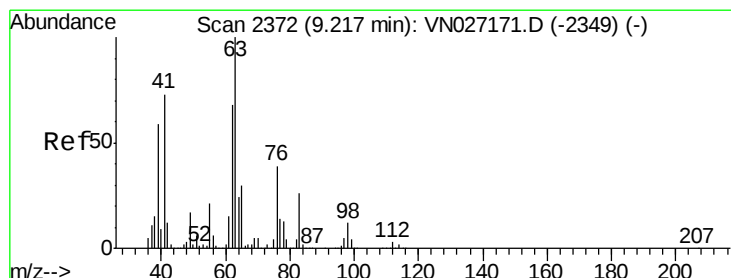
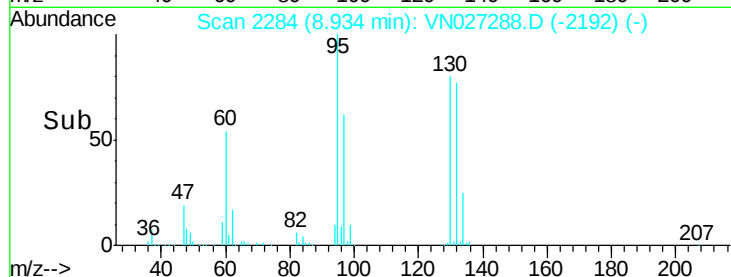
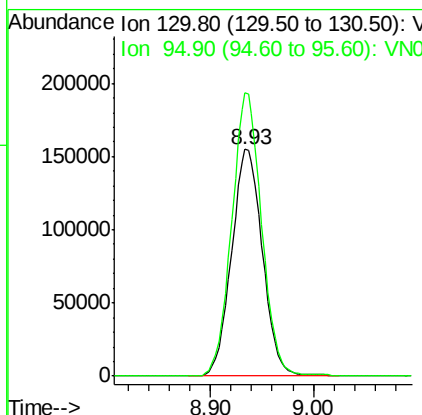
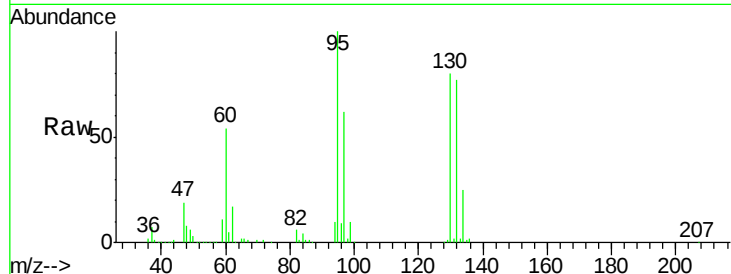
#45
 Trichloroethene
 Concen: 48.49 ug/l
 RT: 8.93 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100				
95	125.0	0.0	222.2		

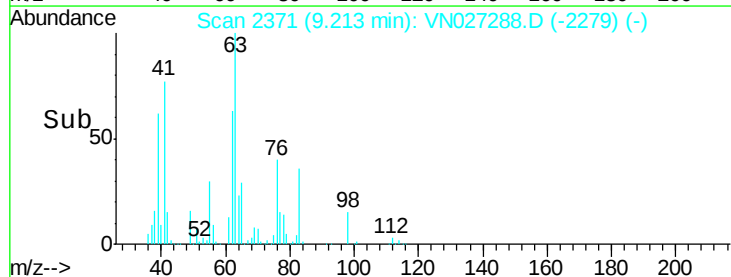
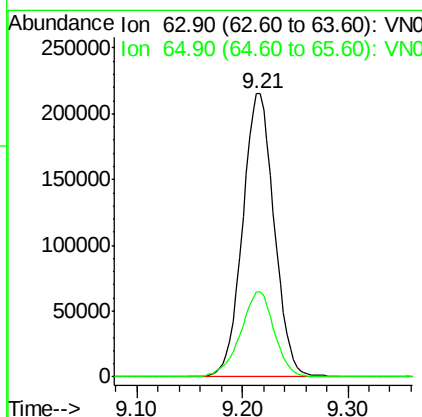
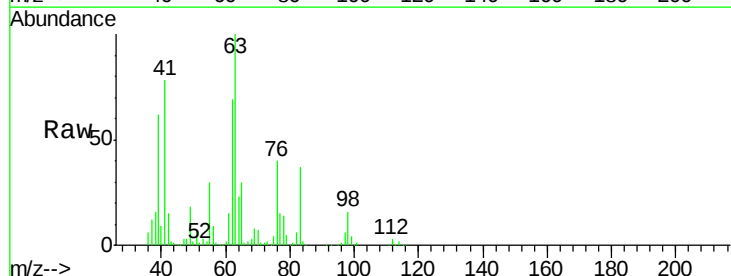
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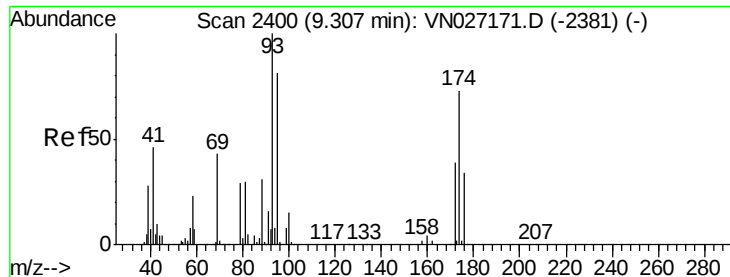
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#46
 1,2-Dichloropropane
 Concen: 46.84 ug/l
 RT: 9.21 min Scan# 2371
 Delta R.T. -0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100				
65	30.0	24.4	36.6		





#47

Dibromomethane

Concen: 47.54 ug/l

RT: 9.30 min Scan# 2399

Delta R.T. -0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

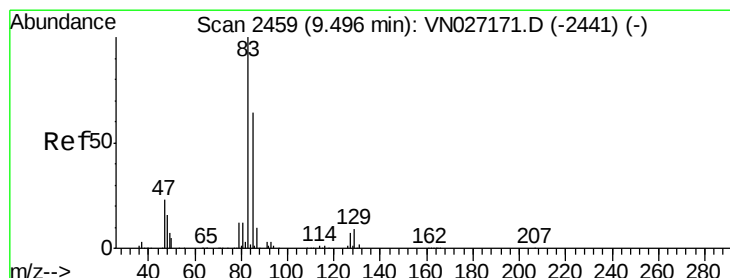
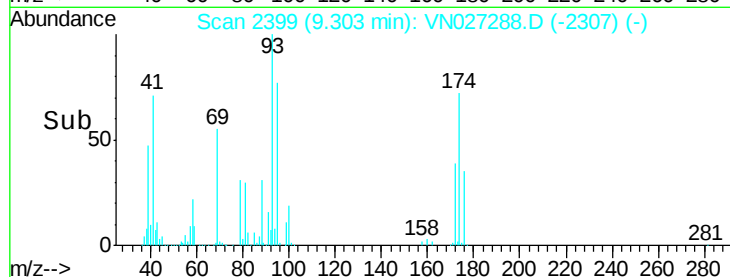
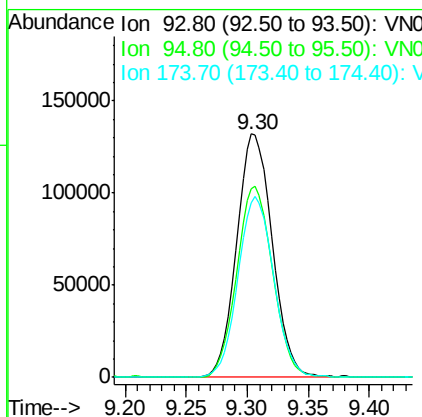
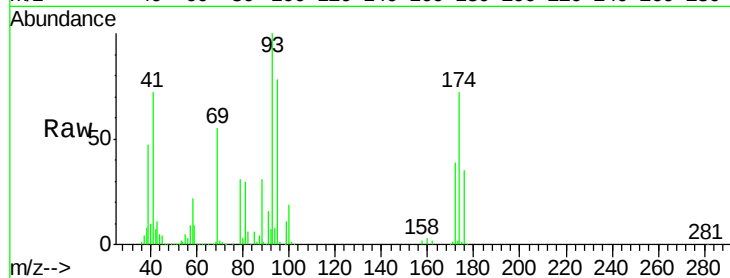
ClientSampleId :

VSTDCCC050EC

Tot Ion:	93	Resp:	267369
Ion	Ratio	Lower	Upper
93	100		
95	79.2	66.3	99.5
174	74.3	67.8	101.6

Manual Integrations
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#48

Bromodichloromethane

Concen: 47.88 ug/l

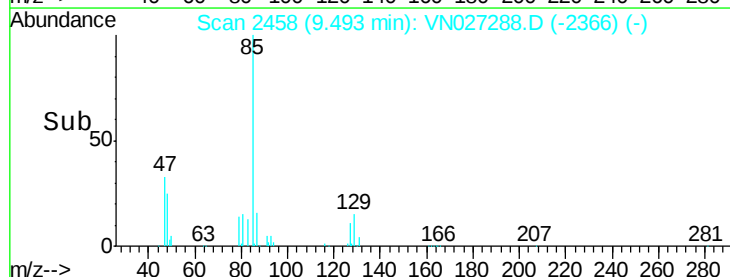
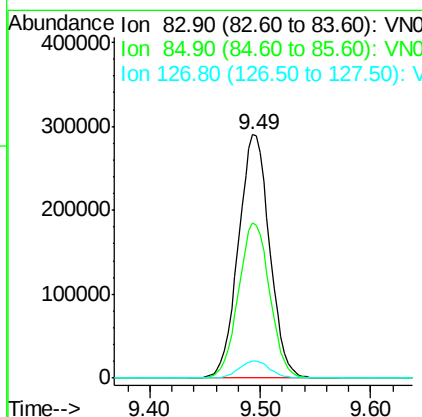
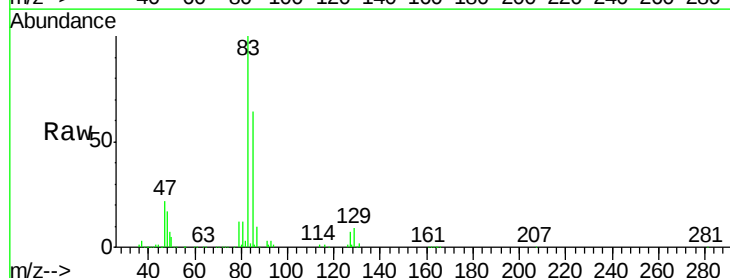
RT: 9.49 min Scan# 2458

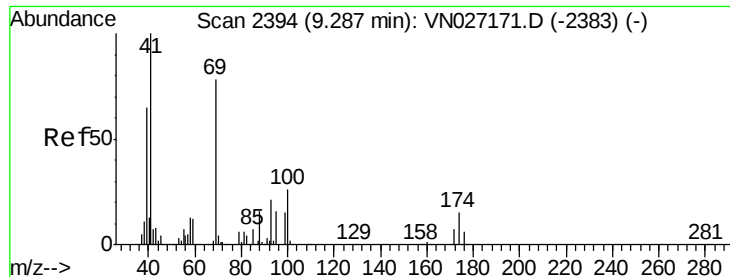
Delta R.T. -0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Tgt Ion:	83	Resp:	567495
Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.7	76.1
127	7.0	5.5	8.3





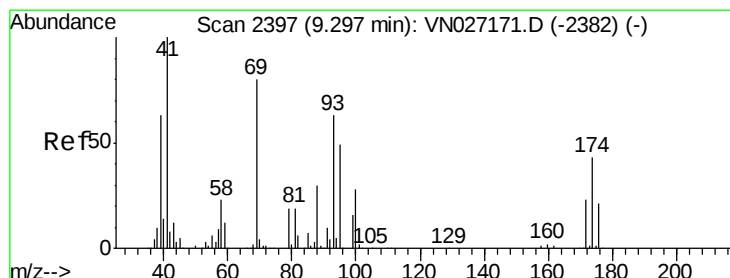
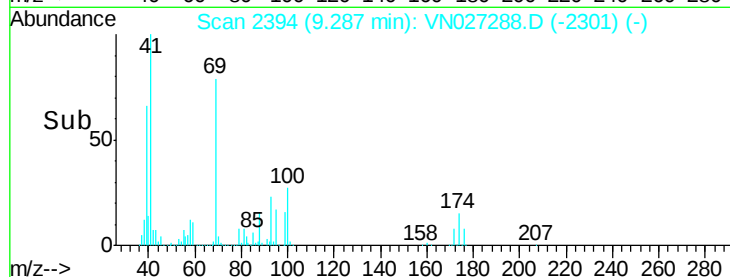
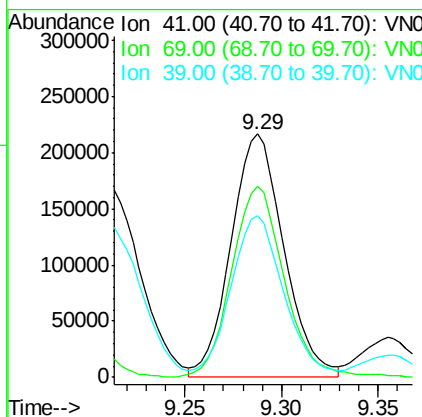
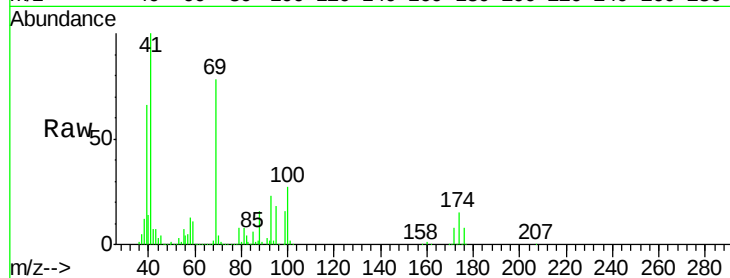
#49
Methvl methacrylate
Concen: 44.95 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
41	100	408285		
69	78.3	59.3	88.9	
39	66.8	39.5	59.3#	

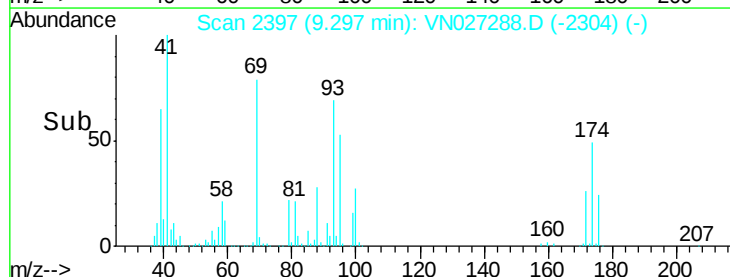
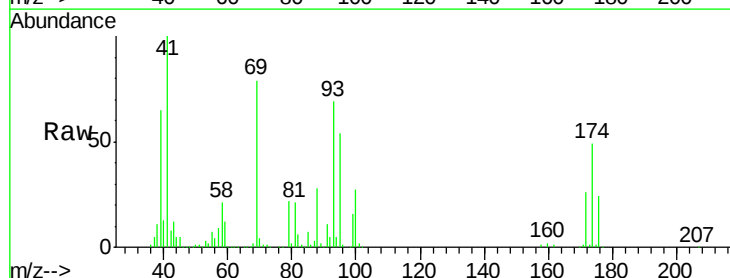
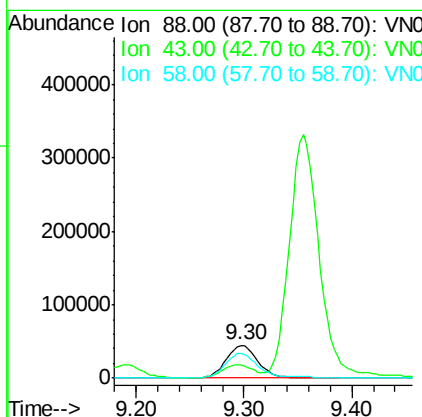
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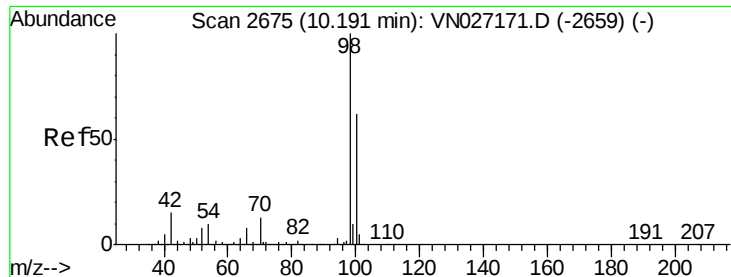
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#50
1,4-Dioxane
Concen: 861.88 ug/l
RT: 9.30 min Scan# 2397
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	91826		
43	37.4	27.6	41.4	
58	76.1	63.1	94.7	





#51

Toluene-d8

Concen: 48.74 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 98 Resp: 1289305

Ion Ratio Lower Upper

98 100

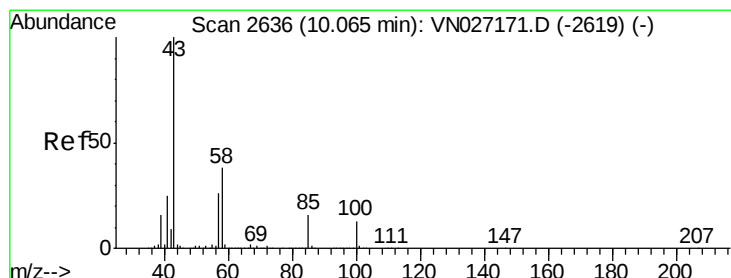
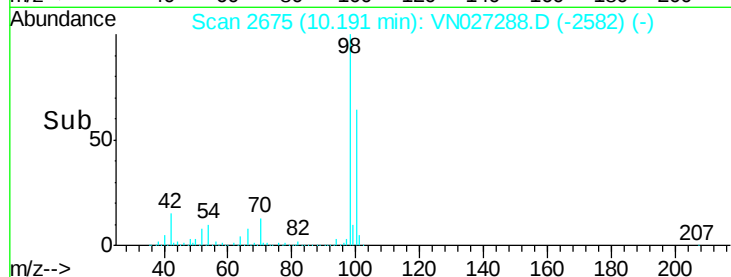
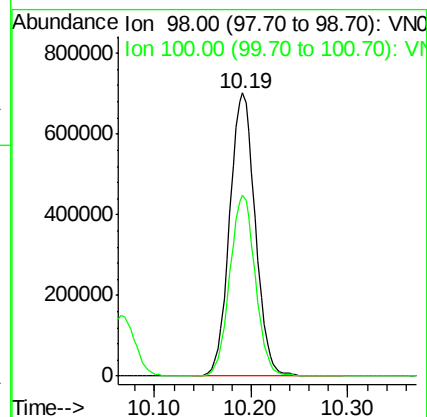
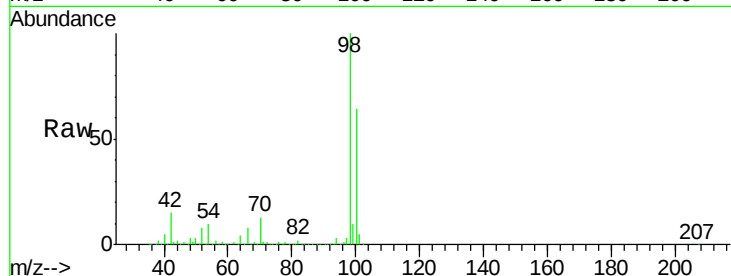
100 63.5 50.5 75.7

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#52

4-Methyl-2-Pentanone

Concen: 227.02 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN027288.D

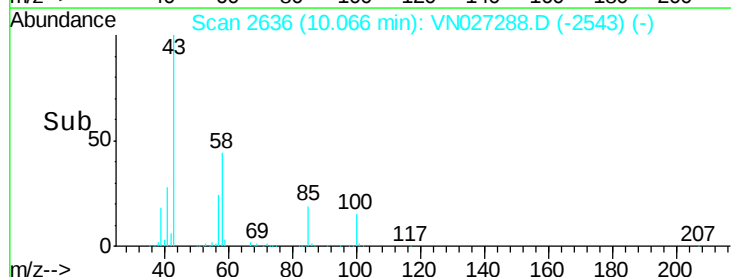
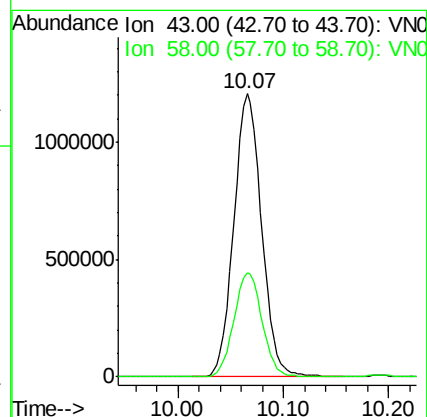
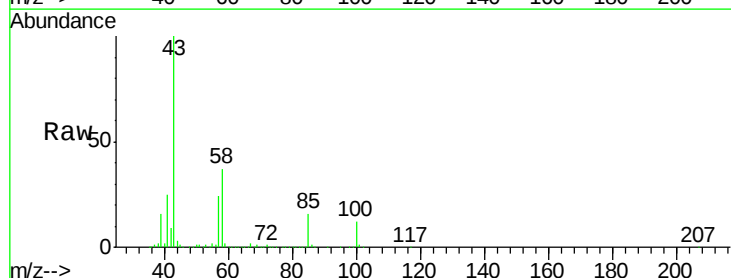
Acq: 18 Sep 2015 7:18

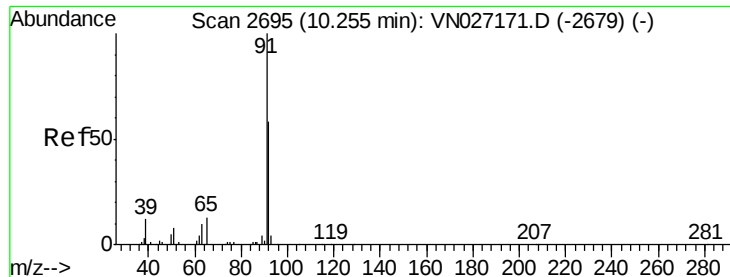
Tgt Ion: 43 Resp: 2188527

Ion Ratio Lower Upper

43 100

58 37.6 29.8 44.8





#53

Toluene

Concen: 48.33 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 92 Resp: 942515

Ion Ratio Lower Upper

92 100

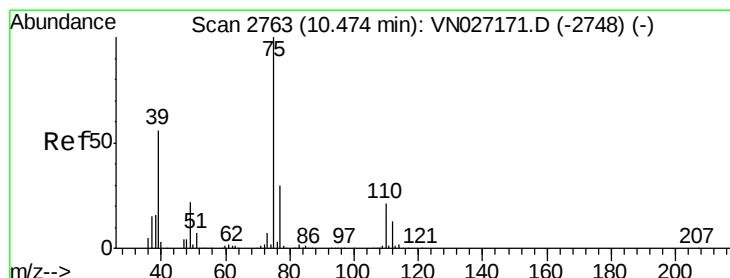
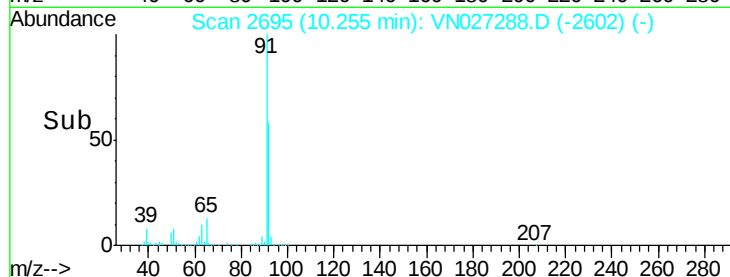
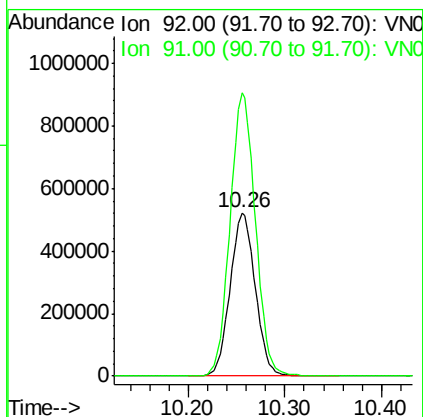
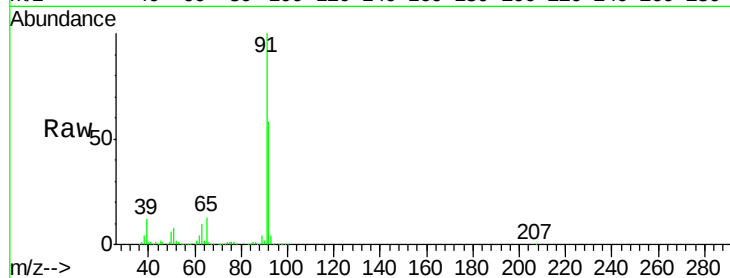
91 173.9 141.4 212.2

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#54

t-1,3-Dichloropropene

Concen: 43.74 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027288.D

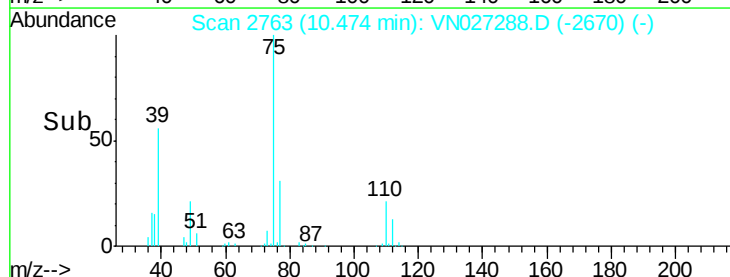
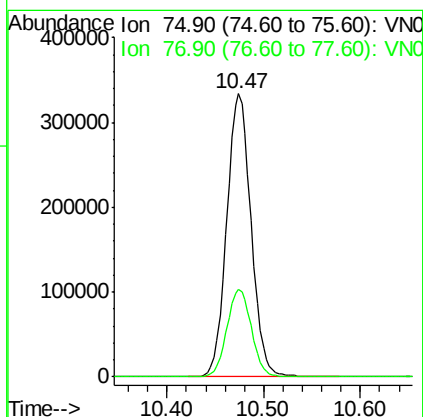
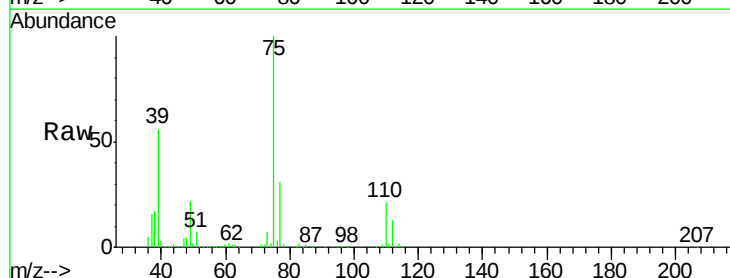
Acq: 18 Sep 2015 7:18

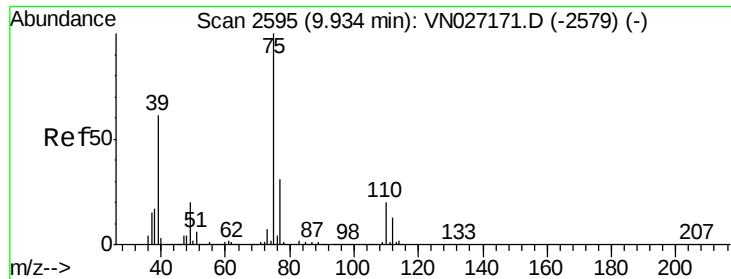
Tgt Ion: 75 Resp: 582102

Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.2





#55

cis-1,3-Dichloropropene

Concen: 43.75 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

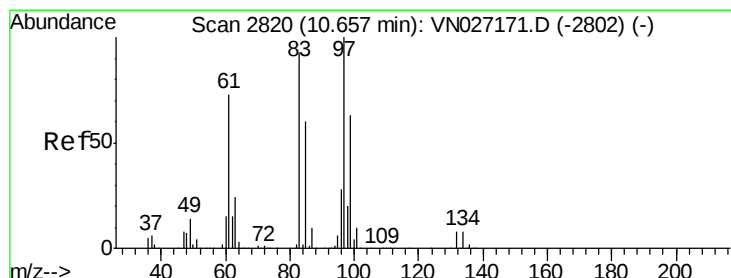
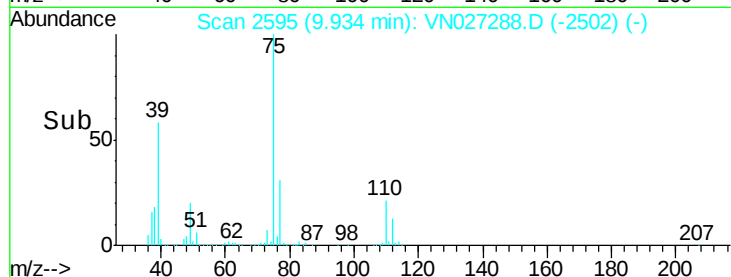
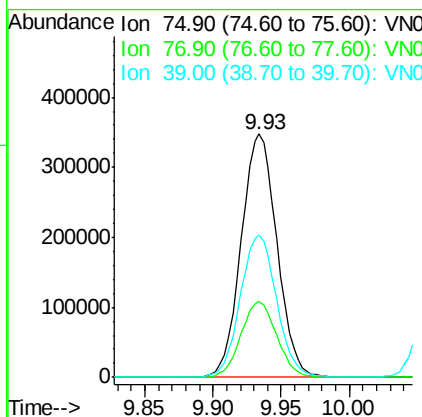
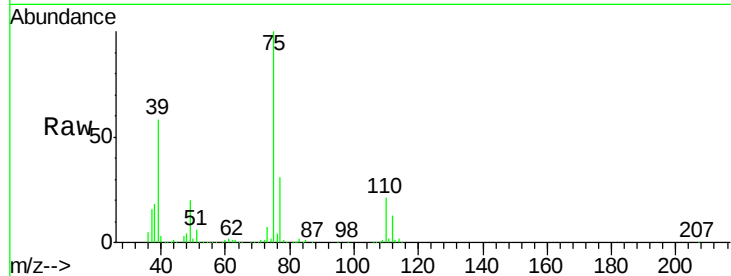
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	633415
Ion Ratio	Lower	Upper	
75	100		
77	31.0	25.6	38.4
39	58.2	41.6	62.4

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#56

1,1,2-Trichloroethane

Concen: 48.80 ug/l

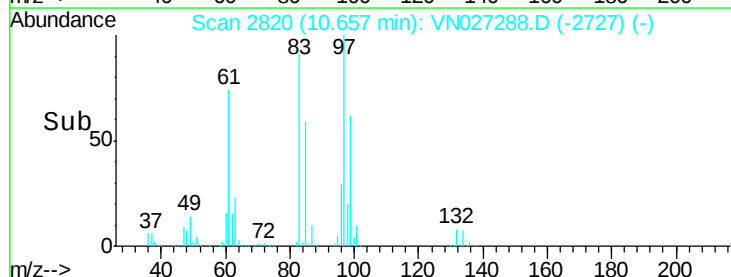
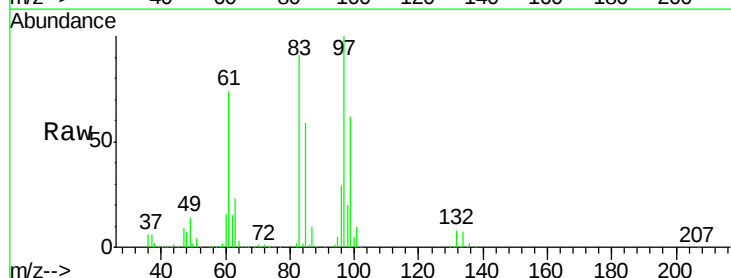
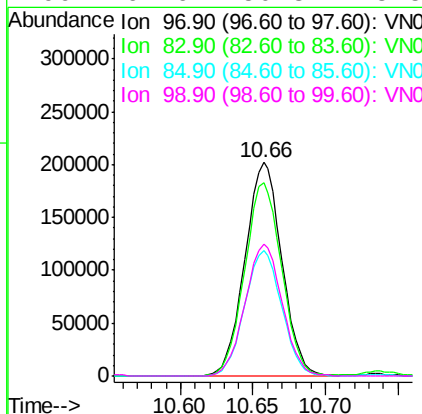
RT: 10.66 min Scan# 2820

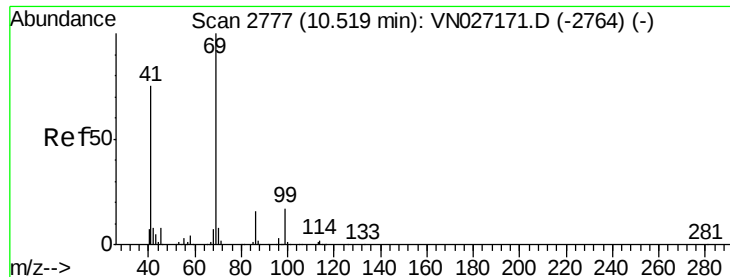
Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Tgt Ion:	97	Resp:	357604
Ion Ratio	Lower	Upper	
97	100		
83	90.5	75.0	112.4
85	58.6	48.0	72.0
99	61.6	50.3	75.5





#57

Ethyl methacrylate

Concen: 46.46 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 69 Resp: 573798

Ion Ratio Lower Upper

69 100

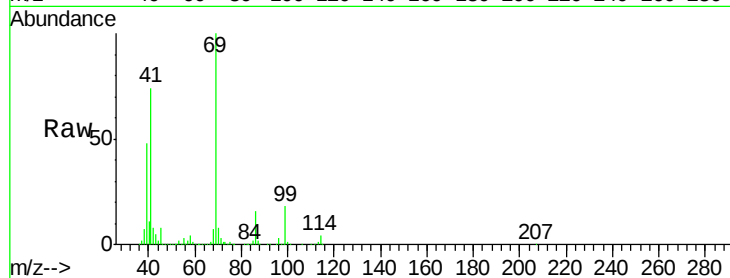
41 71.9 61.3 91.9

39 47.7 28.4 42.6#

Manual Integrations
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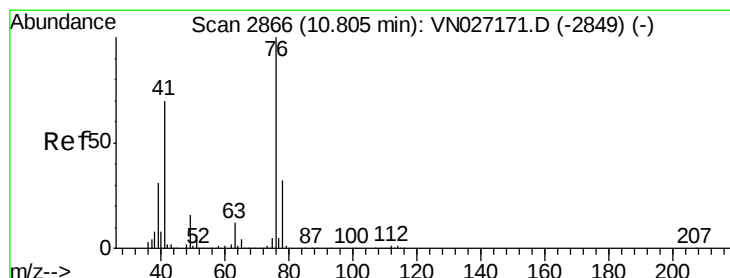
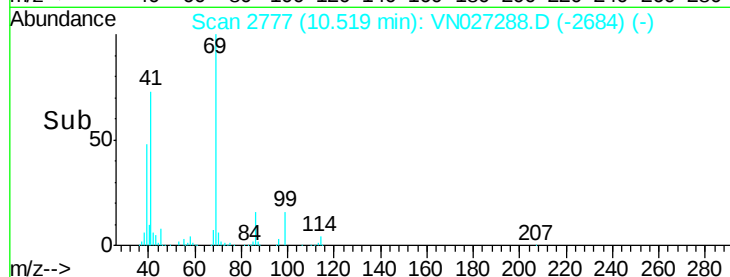
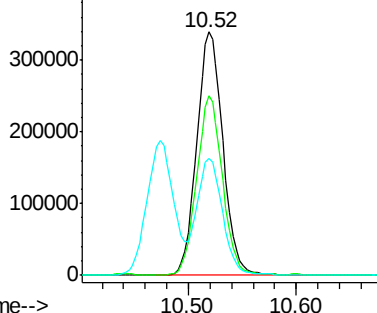
9/18/2015 12:24:37 PM



Abundance Ion 69.00 (68.70 to 69.70): VN027171.D (-2764) (-)

Ion 41.00 (40.70 to 41.70): VN027171.D (-2764) (-)

Ion 39.00 (38.70 to 39.70): VN027171.D (-2764) (-)



#58

1,3-Dichloropropane

Concen: 48.06 ug/l

RT: 10.81 min Scan# 2866

Delta R.T. 0.00 min

Lab File: VN027288.D

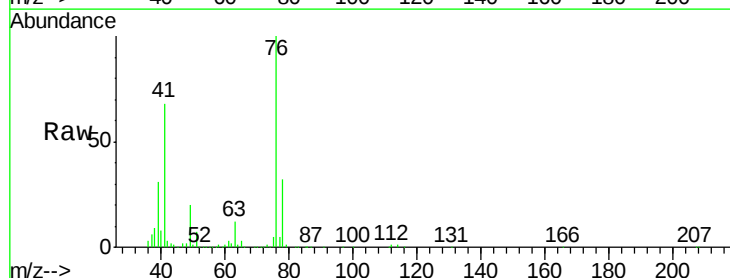
Acq: 18 Sep 2015 7:18

Tgt Ion: 76 Resp: 653839

Ion Ratio Lower Upper

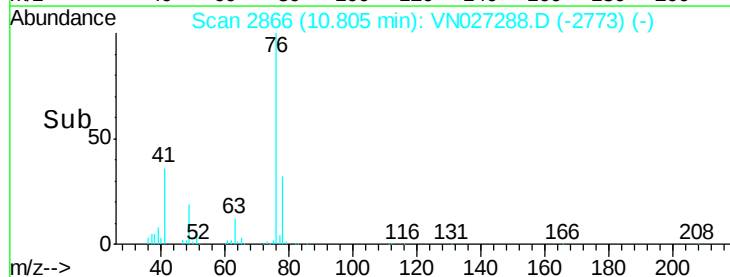
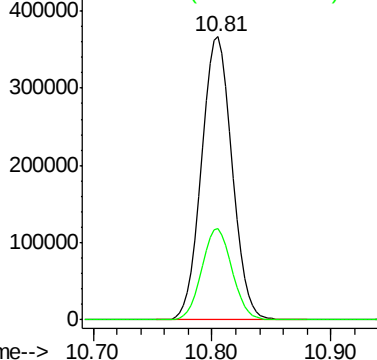
76 100

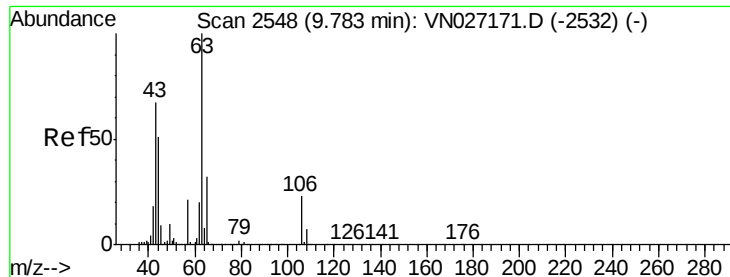
78 32.1 25.0 37.6



Abundance Ion 75.90 (75.60 to 76.60): VN027171.D (-2849) (-)

Ion 77.90 (77.60 to 78.60): VN027171.D (-2849) (-)





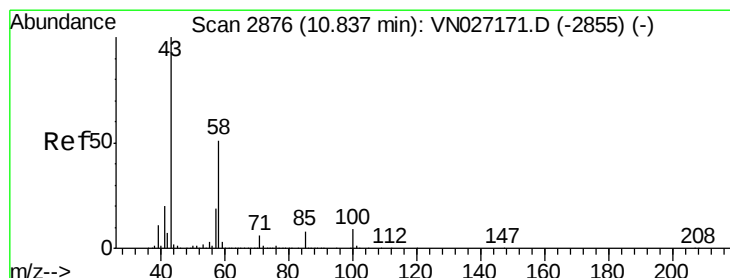
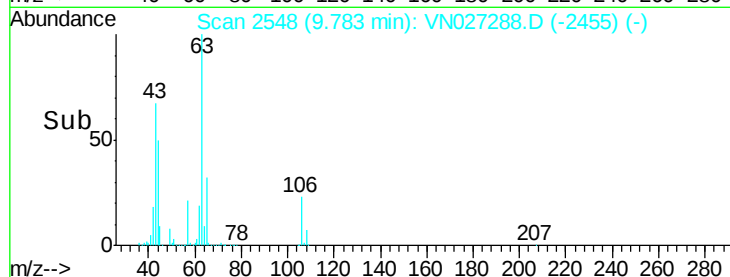
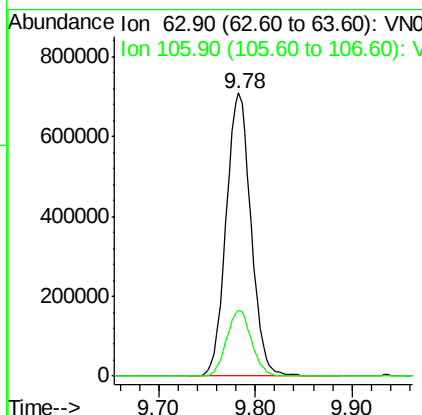
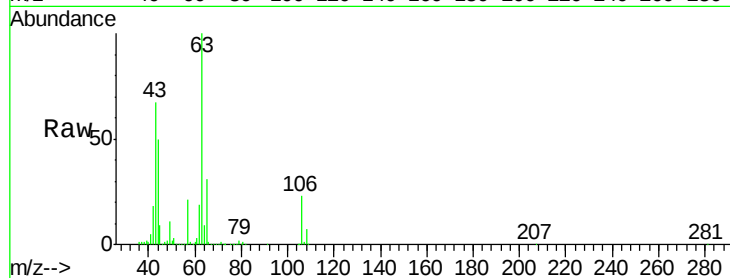
#59
2-Chloroethyl Vinyl ether
Concen: 223.09 ug/l
RT: 9.78 min Scan# 2548
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 63 Resp: 1265064
Ion Ratio Lower Upper
63 100
106 23.4 17.7 26.5

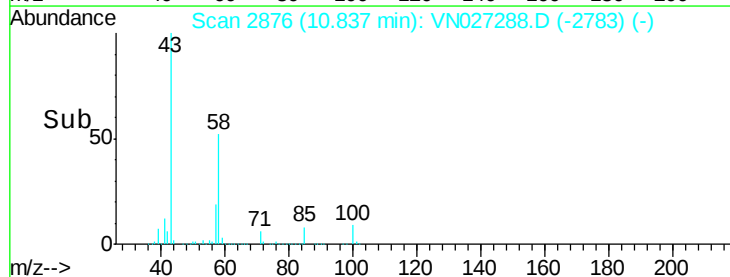
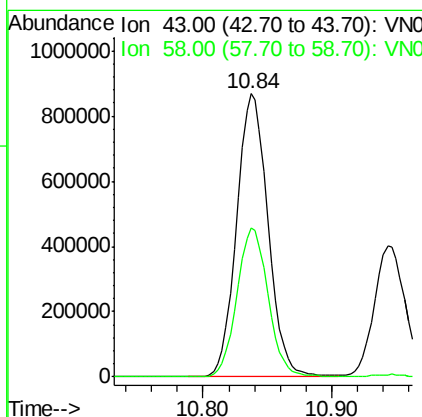
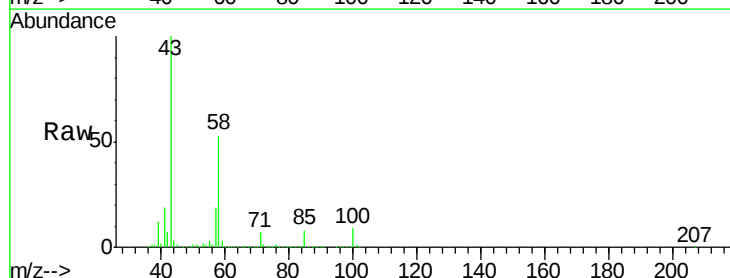
Manual Integrations
APPROVED

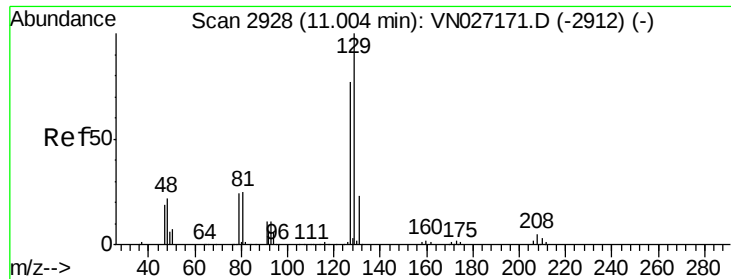
MMDadoda
9/18/2015 12:24:37 PM



#60
2-Hexanone
Concen: 223.03 ug/l
RT: 10.84 min Scan# 2876
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Tgt Ion: 43 Resp: 1463854
Ion Ratio Lower Upper
43 100
58 52.4 26.2 78.5





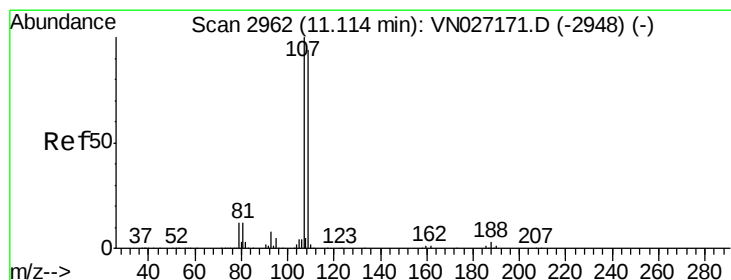
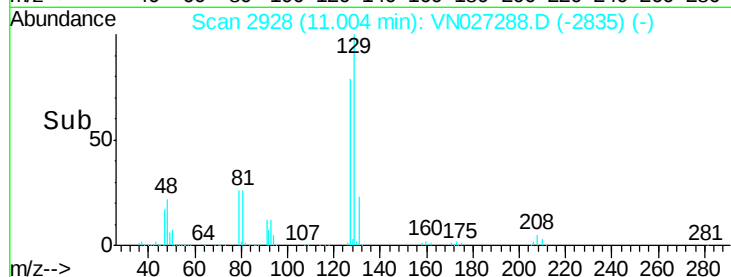
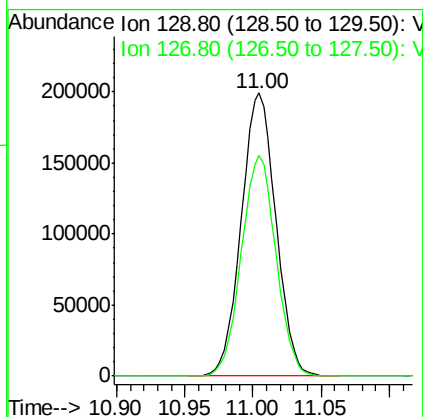
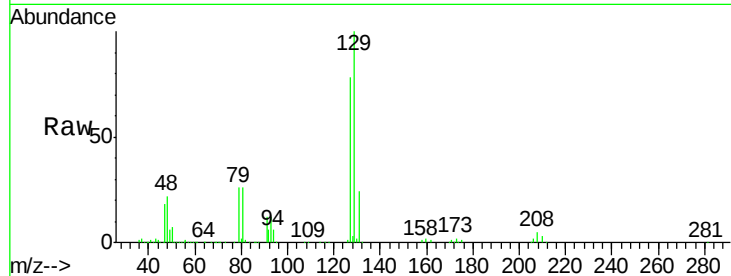
#61
Dibromochloromethane
Concen: 46.94 ug/l
RT: 11.00 min Scan# 2928
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.1	117.2

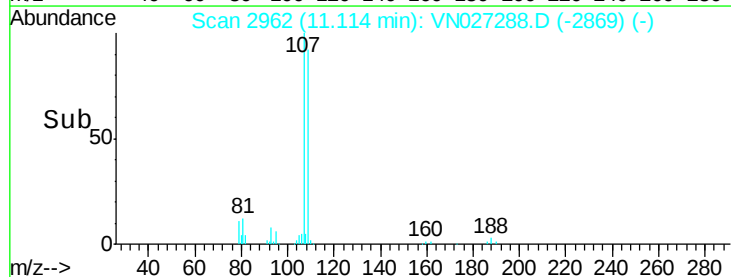
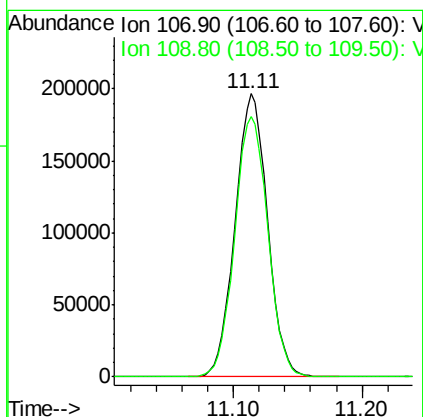
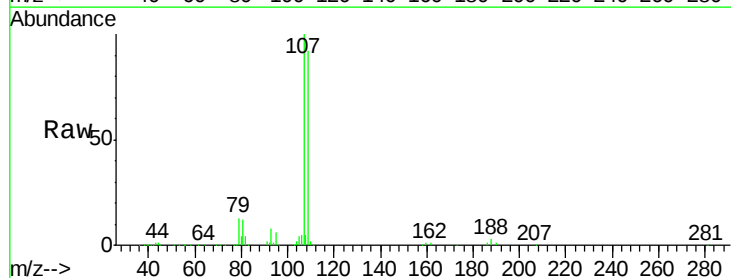
Manual Integrations
APPROVED

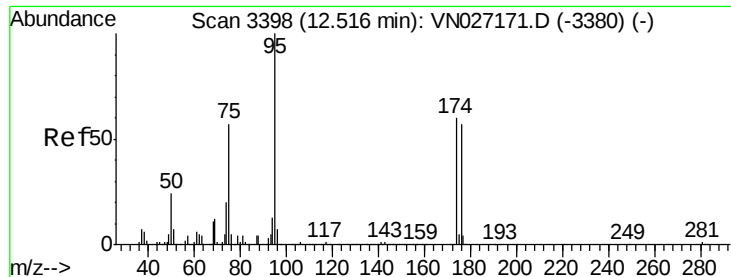
MMDadoda
9/18/2015 12:24:37 PM



#62
1,2-Dibromoethane
Concen: 47.70 ug/l
RT: 11.11 min Scan# 2962
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.6	113.4





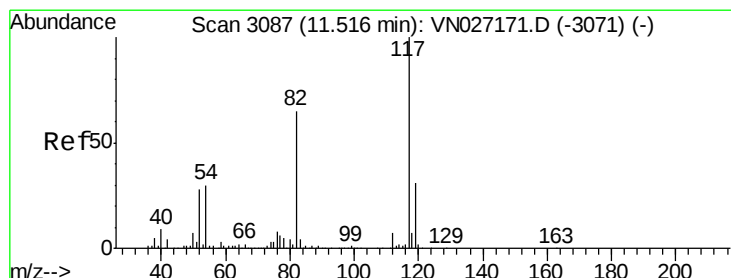
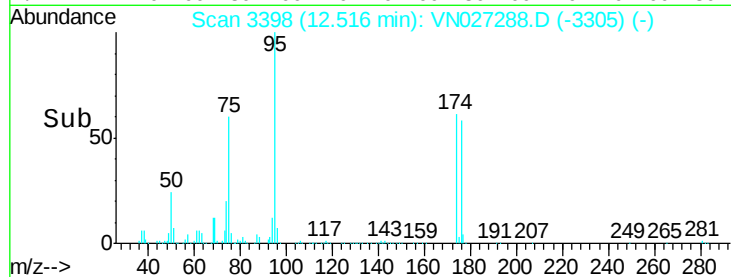
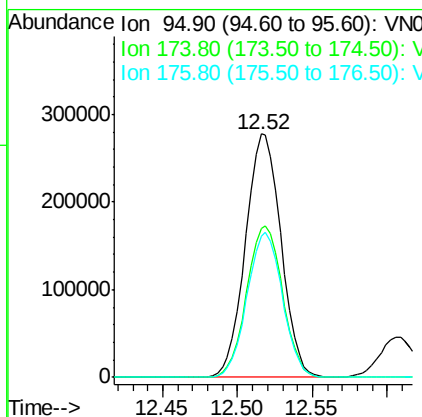
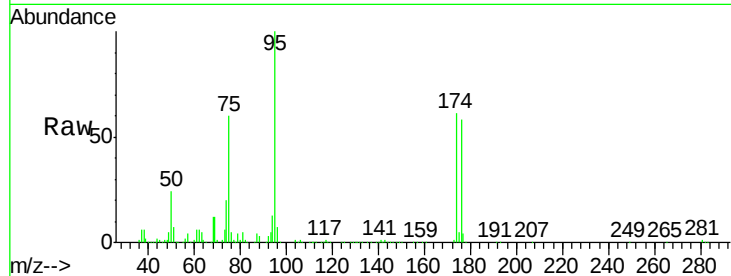
#63
4-Bromofluorobenzene
Concen: 49.09 ug/l
RT: 12.52 min Scan# 3398
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
95	100	460957		
174	62.6	0.0	137.0	
176	59.0	0.0	130.8	

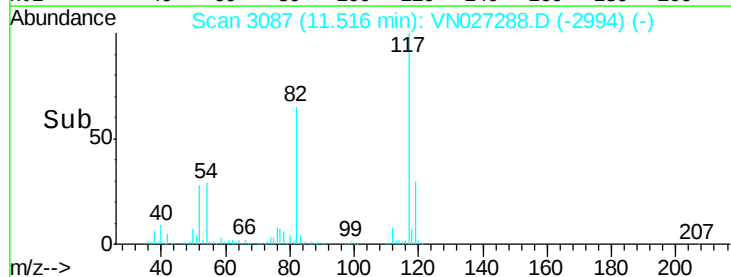
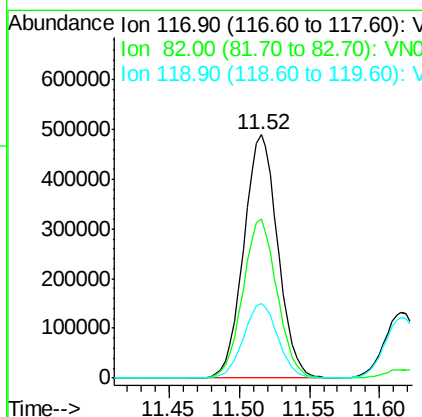
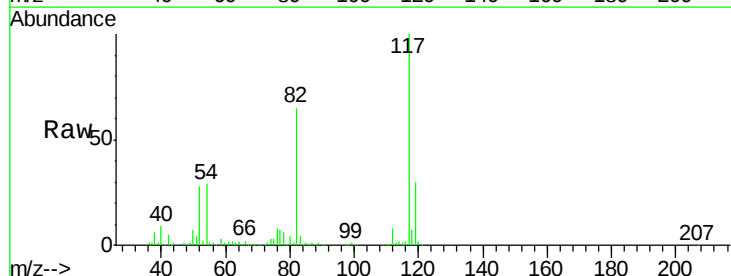
Manual Integrations
APPROVED

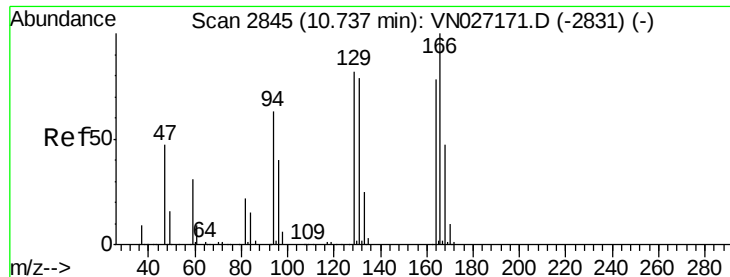
MMDadoda
9/18/2015 12:24:37 PM



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	826593		
82	65.1	49.6	74.4	
119	30.5	24.6	36.8	





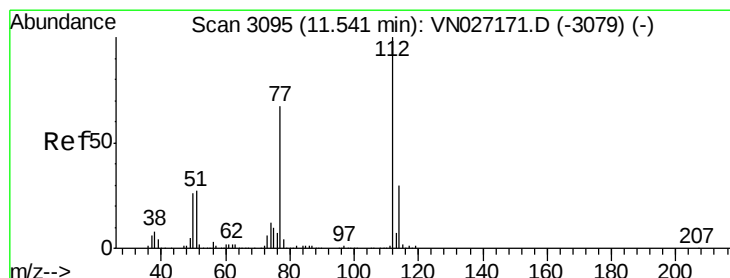
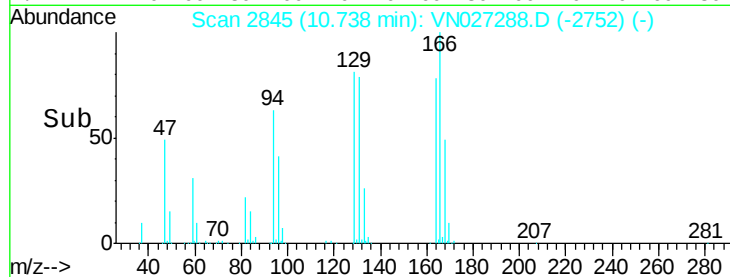
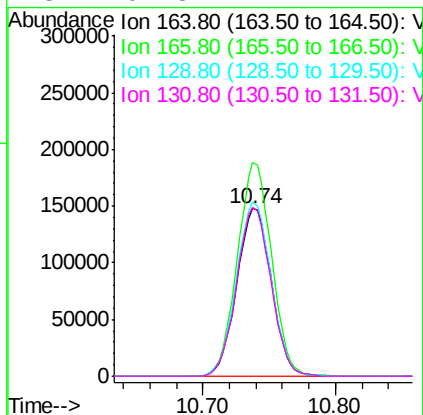
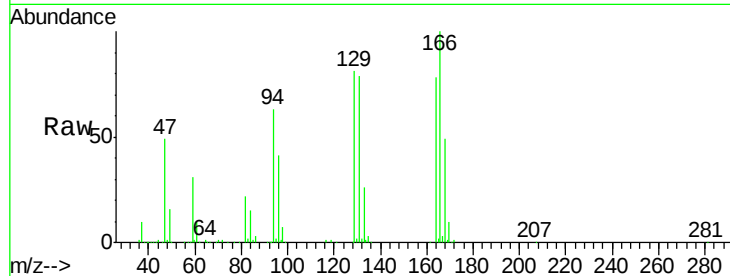
#65
Tetrachloroethene
Concen: 50.89 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	127.6	103.4	155.0	
129	103.8	77.5	116.3	
131	101.3	74.2	111.4	

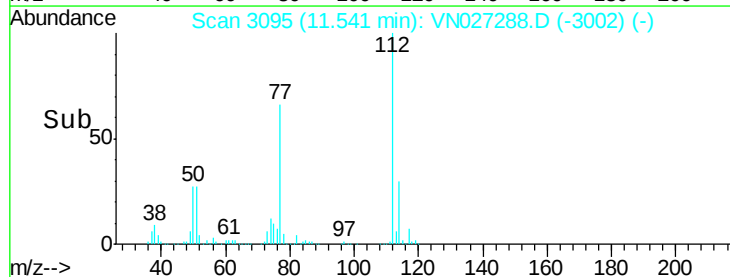
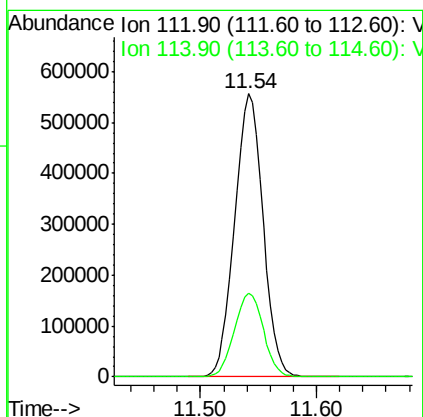
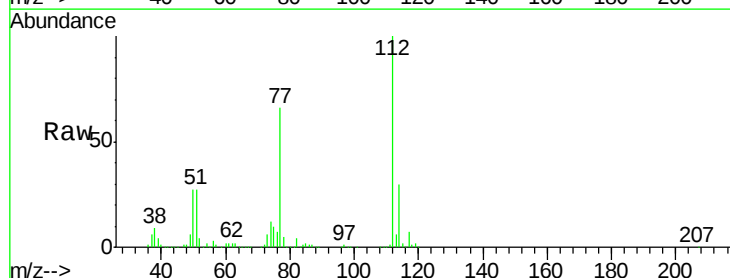
Manual Integrations
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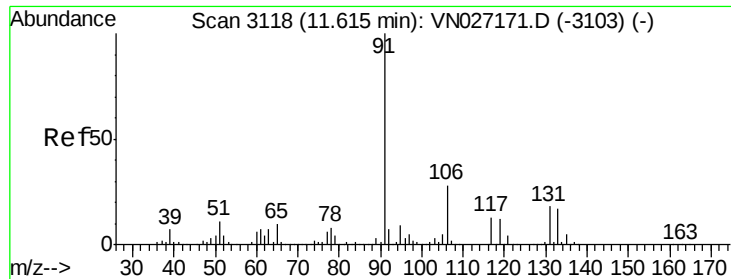
MMDadoda
9/18/2015 12:24:37 PM



#66
Chlorobenzene
Concen: 48.22 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	29.7	24.9	37.3	





#67

1,1,1,2-Tetrachloroethane

Concen: 48.07 ug/l

RT: 11.62 min Scan# 3118

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

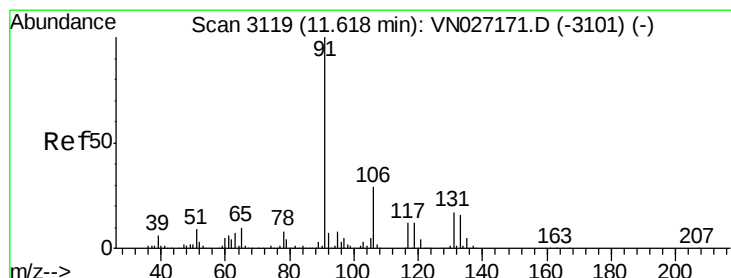
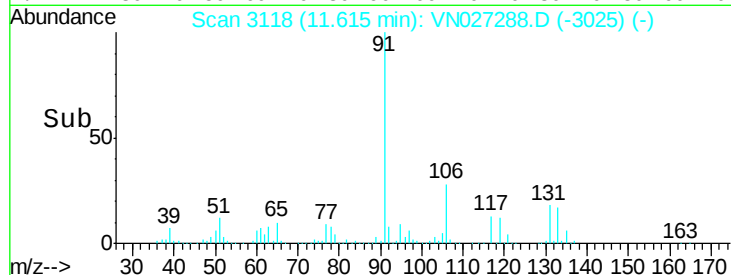
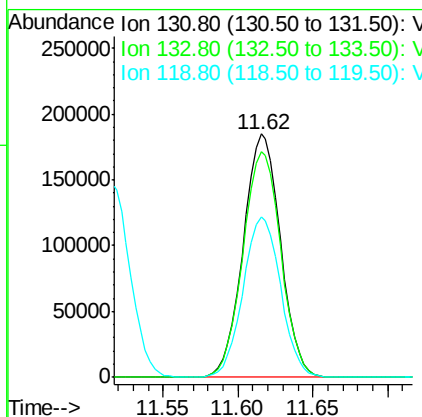
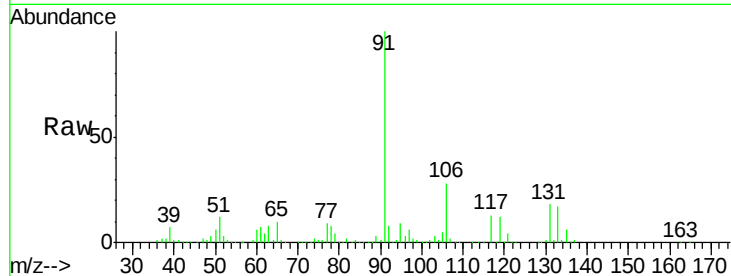
ClientSampleId :

VSTDCCC050EC

Tot Ion:	131	Resp:	319994
Ion Ratio	Lower	Upper	
131	100		
133	94.8	47.0	141.2
119	66.6	35.1	105.5

Manual Integrations
APPROVED

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9/18/2015 12:24:37 PM



#68

Ethyl Benzene

Concen: 47.90 ug/l

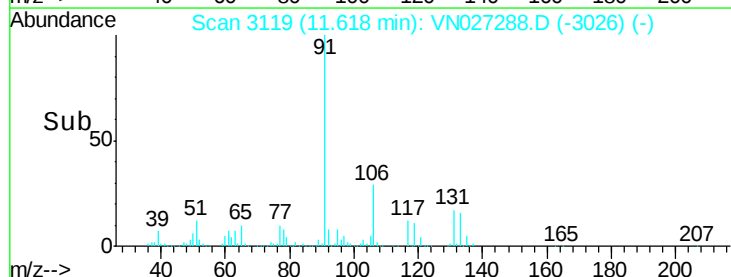
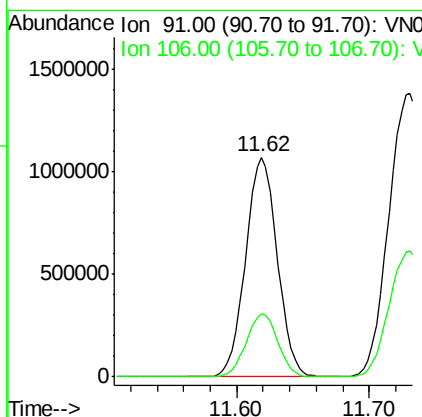
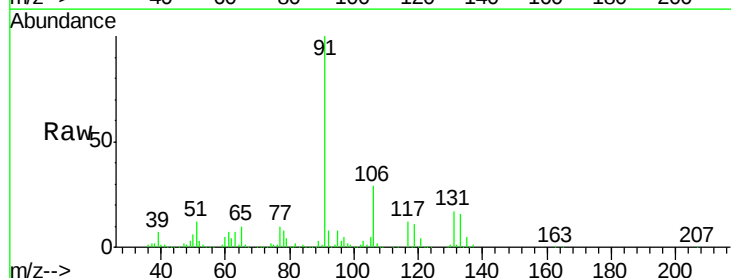
RT: 11.62 min Scan# 3119

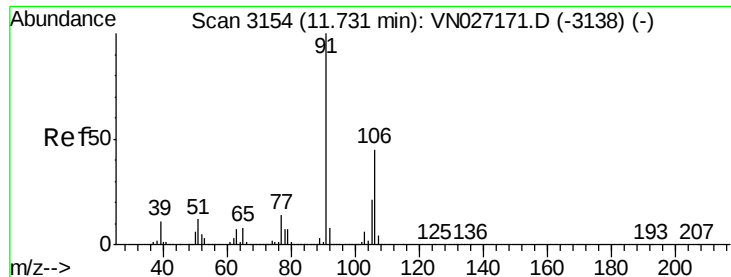
Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Tgt Ion:	91	Resp:	1772443
Ion Ratio	Lower	Upper	
91	100		
106	28.7	23.1	34.7





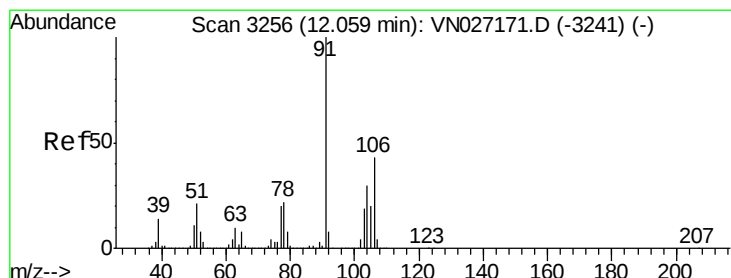
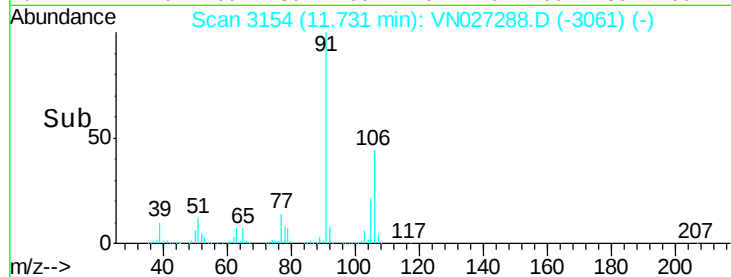
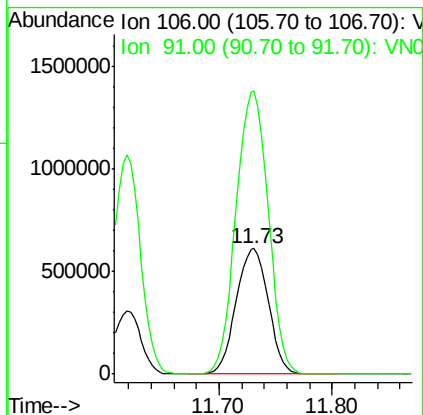
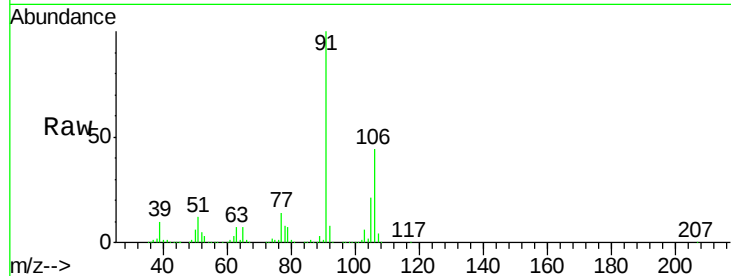
#69
m/p-Xylenes
Concen: 95.17 ug/l
RT: 11.73 min Scan# 3154
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 1215079
Ion Ratio Lower Upper
106 100
91 225.8 167.1 250.7

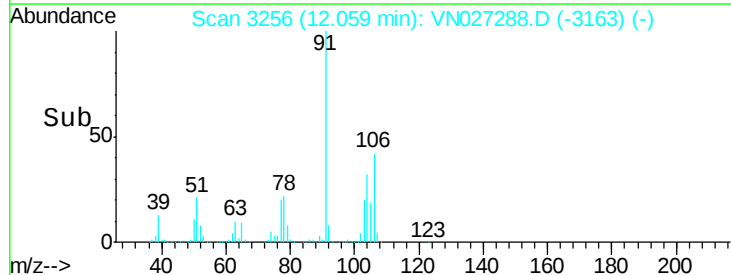
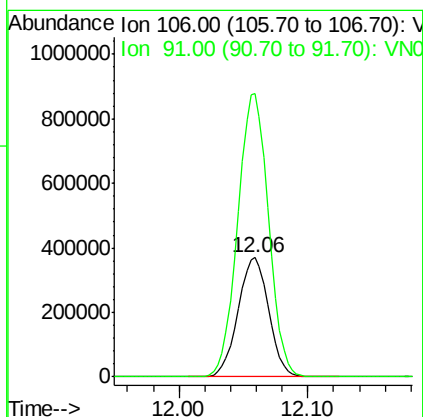
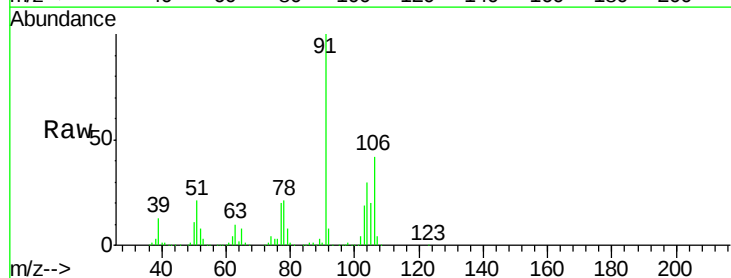
Manual Integrations
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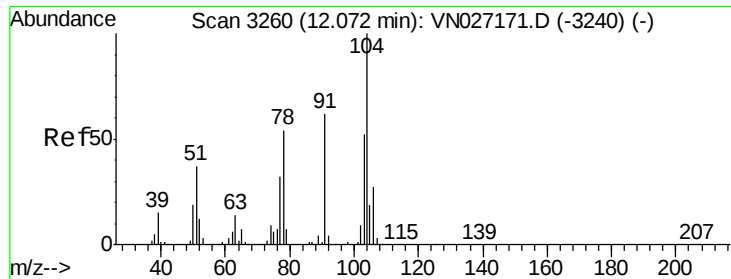
MMDadoda
9/18/2015 12:24:37 PM



#70
o-Xylene
Concen: 47.73 ug/l
RT: 12.06 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Tgt Ion:106 Resp: 610820
Ion Ratio Lower Upper
106 100
91 238.1 110.7 331.9





#71

Stvrene

Concen: 49.03 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:104 Resp: 1013116

Ion Ratio Lower Upper

104 100

78 58.7 41.6 62.4

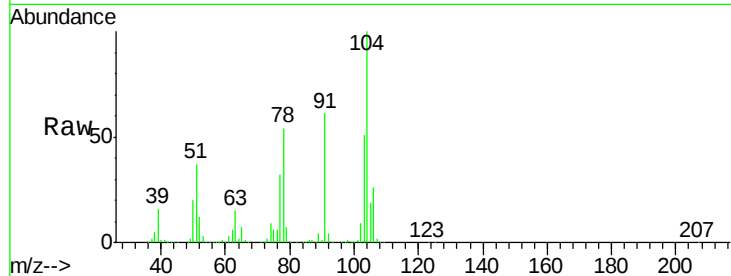
103 55.8 44.2 66.2

Manual Integrations

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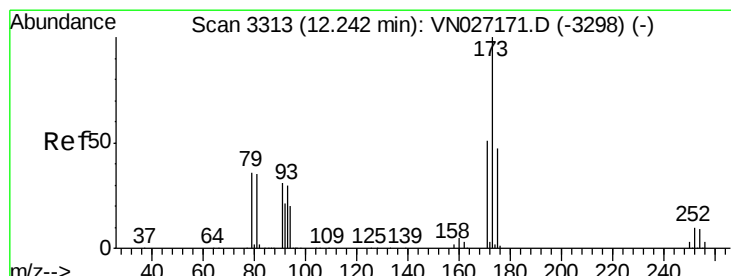
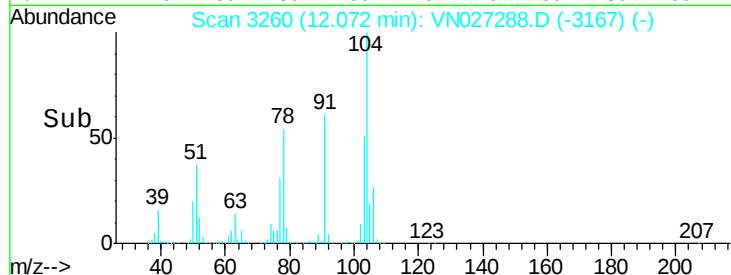
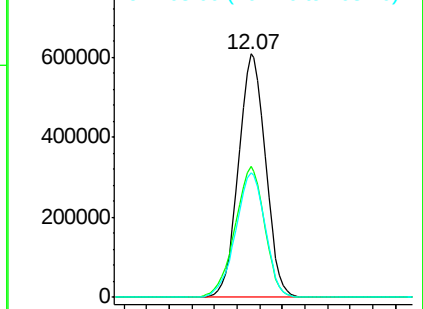
9/18/2015 12:24:37 PM



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: 44.80 ug/l

RT: 12.24 min Scan# 3313

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

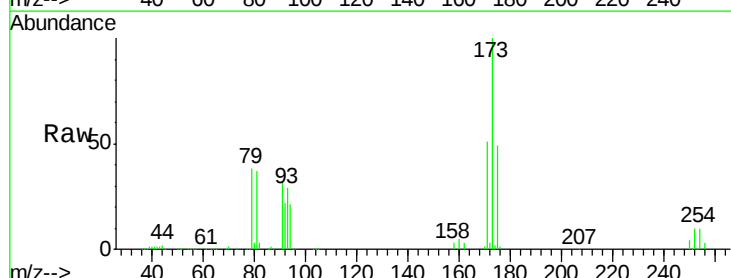
Tgt Ion:173 Resp: 207390

Ion Ratio Lower Upper

173 100

175 48.0 24.4 73.4

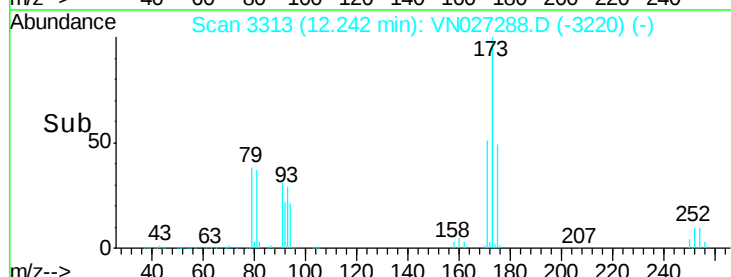
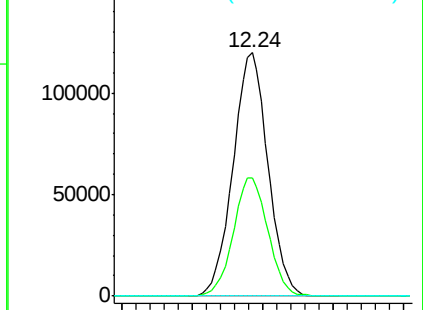
254 0.0 0.1 0.1#

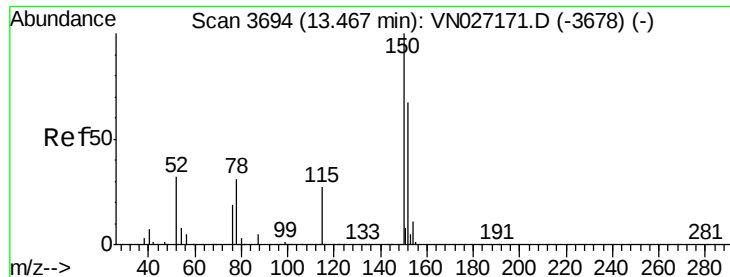


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





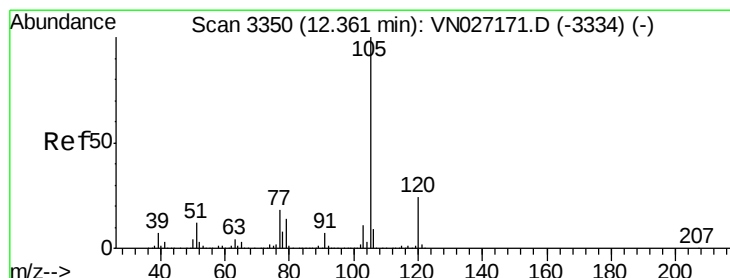
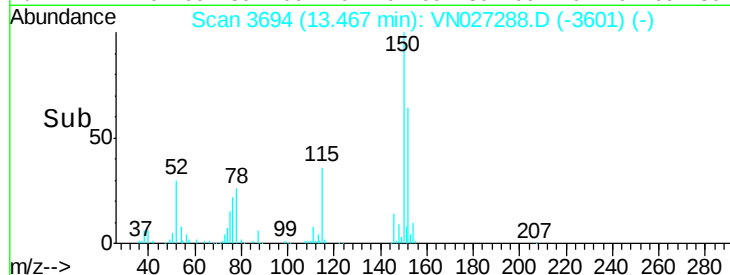
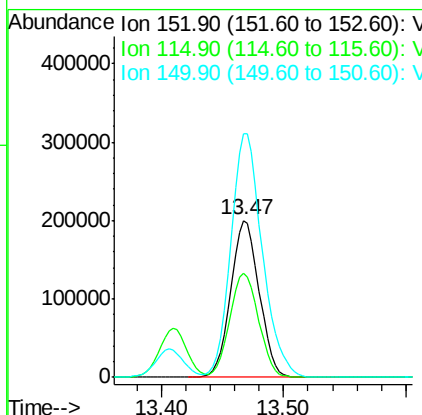
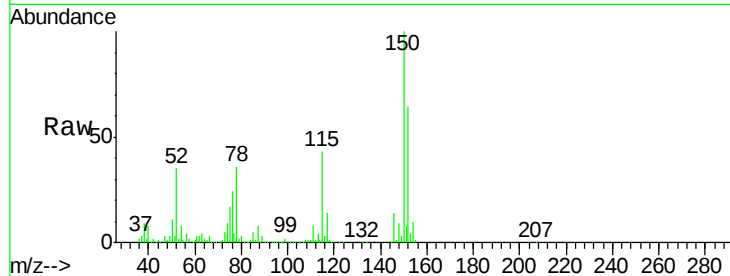
#73
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.47 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
152	100		
115	67.7	30.8	92.3
150	171.3	0.0	345.0

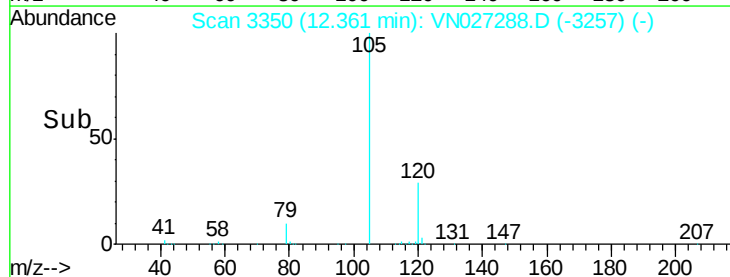
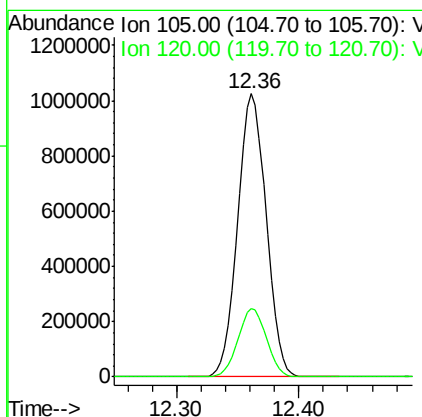
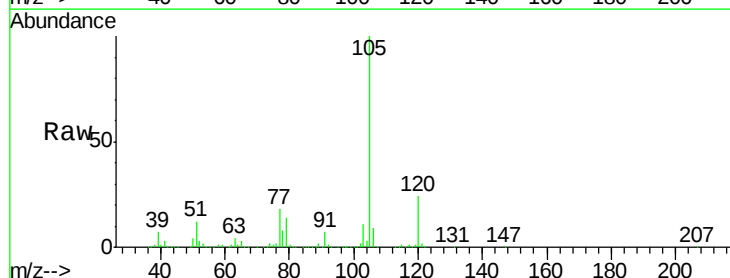
Manual Integrations
 APPROVED

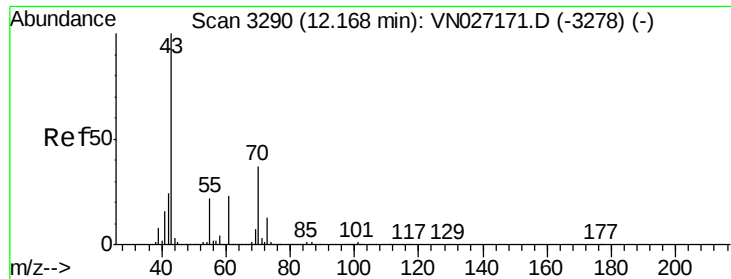
MMDadoda
 9/18/2015 12:24:37 PM



#74
 Isopropylbenzene
 Concen: 46.21 ug/l
 RT: 12.36 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.0	12.4	37.2





#75

N-amyl acetate

Concen: 45.22 ug/l

RT: 12.17 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

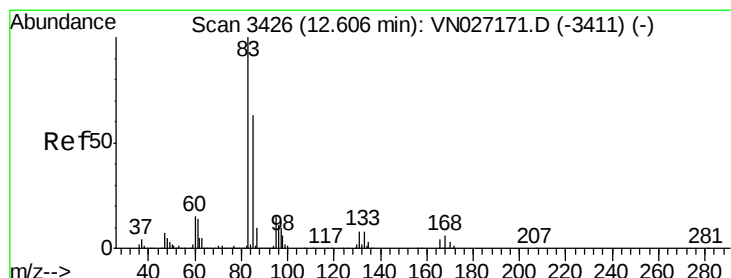
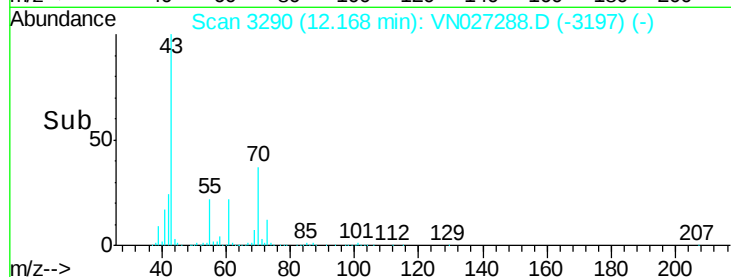
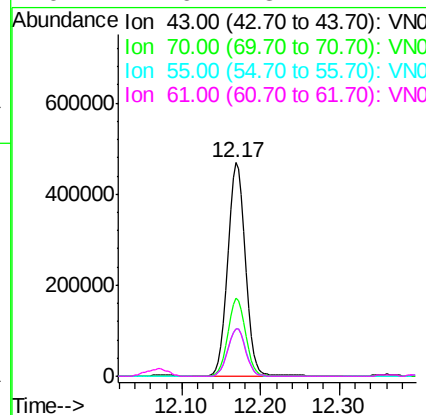
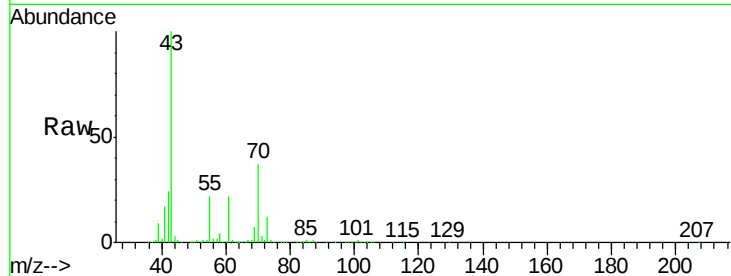
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		720993		
70	36.6	29.8	44.8		
55	22.7	19.4	29.0		
61	22.6	18.2	27.2		

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#76

1,1,2,2-Tetrachloroethane

Concen: 50.87 ug/l

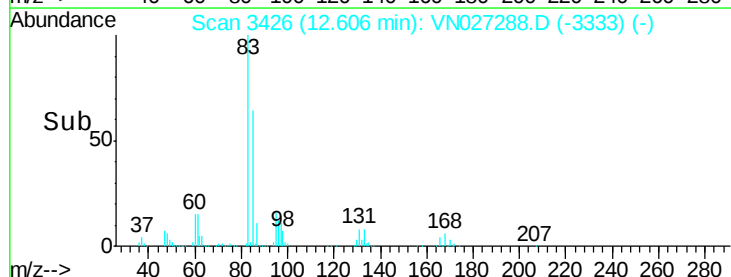
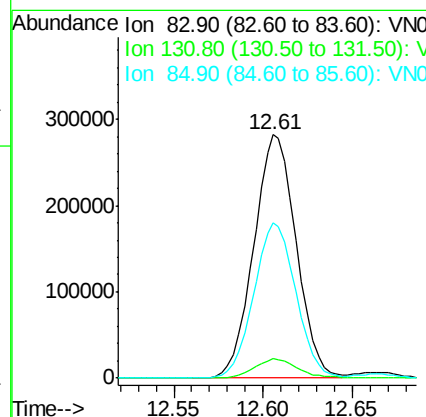
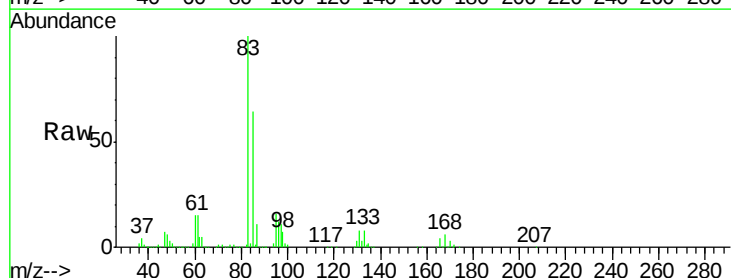
RT: 12.61 min Scan# 3426

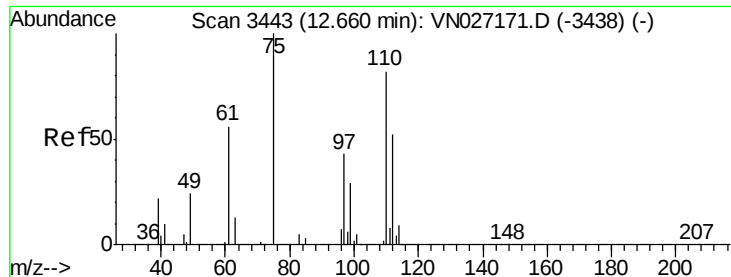
Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		468582		
131	8.2	4.1	12.3		
85	63.1	31.9	95.7		





#77

1,2,3-Trichloropropane

Concen: 43.84 ug/l m

RT: 12.66 min Scan# 3444

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 75 Resp: 429479

Ion Ratio Lower Upper

75 100

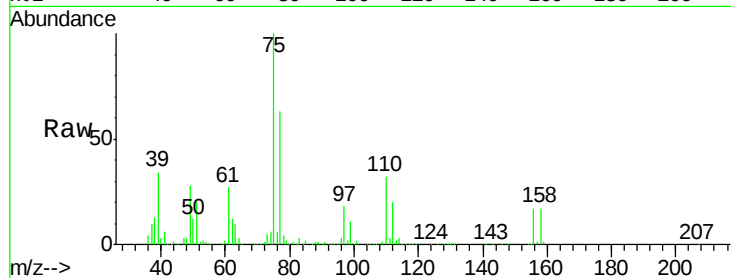
77 201.4 103.1 309.3

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VN027171.D (-3438) (-)

Ion 77.00 (76.70 to 77.70): VN027171.D (-3438) (-)

500000

400000

300000

200000

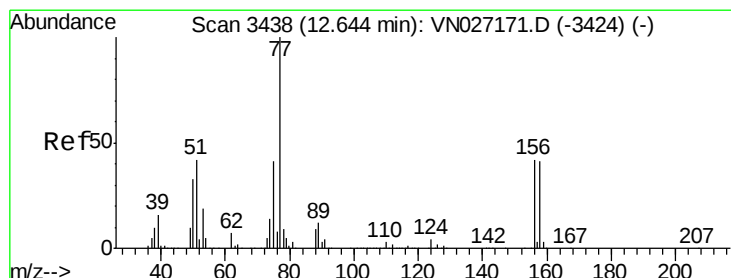
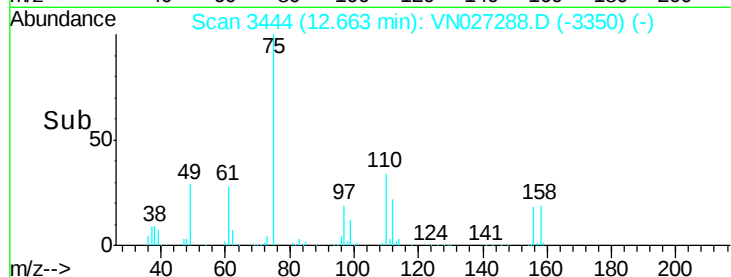
100000

0

12.65

12.70

Time-->



#78

Bromobenzene

Concen: 45.94 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

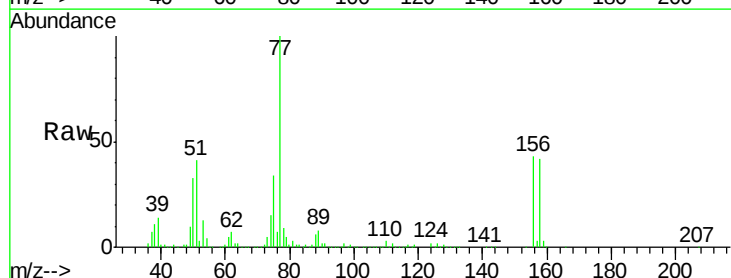
Tgt Ion: 156 Resp: 321798

Ion Ratio Lower Upper

156 100

77 268.9 127.3 381.9

158 97.7 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): VN027171.D (-3424) (-)

Ion 77.00 (76.70 to 77.70): VN027171.D (-3424) (-)

Ion 157.80 (157.50 to 158.50): VN027171.D (-3424) (-)

600000

500000

400000

300000

200000

100000

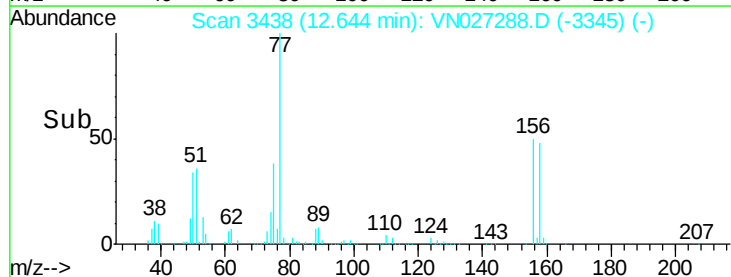
0

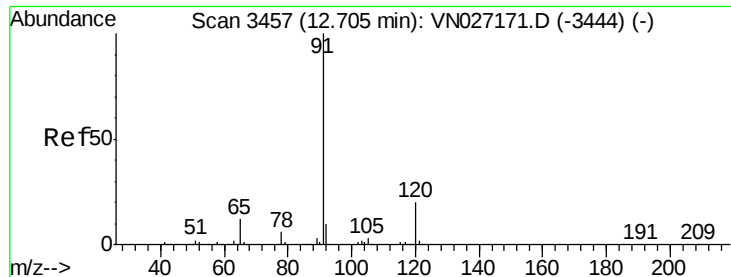
12.60

12.65

12.70

Time-->





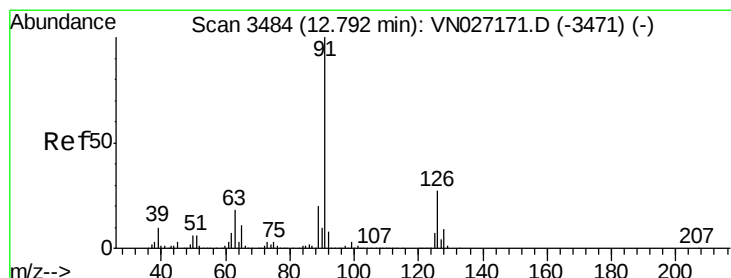
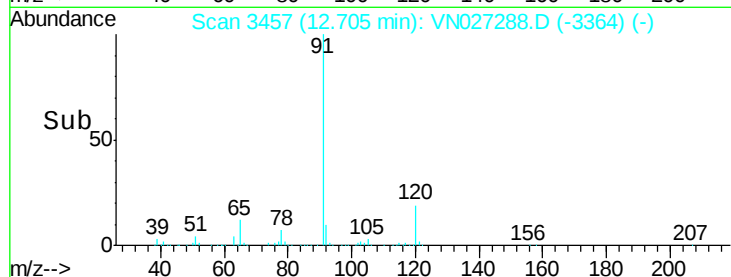
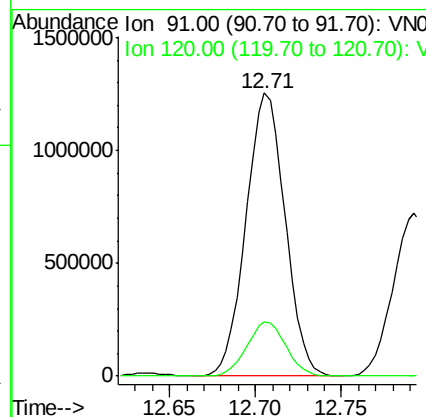
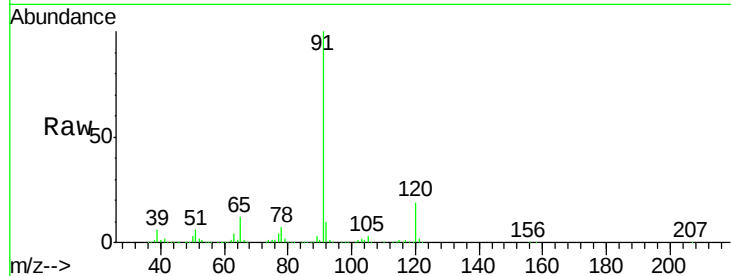
#79
n-propylbenzene
Concen: 46.95 ug/l
RT: 12.71 min Scan# 3457
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1973111
Ion Ratio Lower Upper
91 100
120 19.3 10.3 30.8

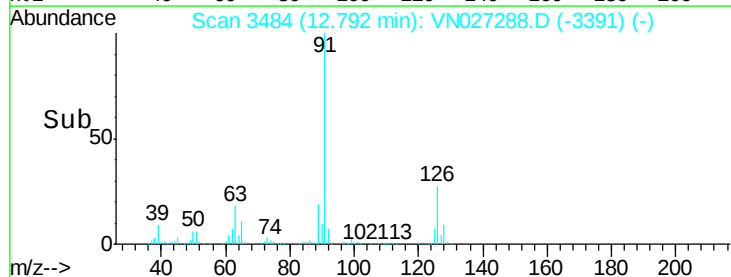
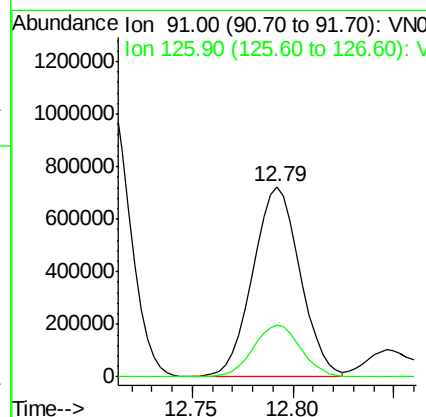
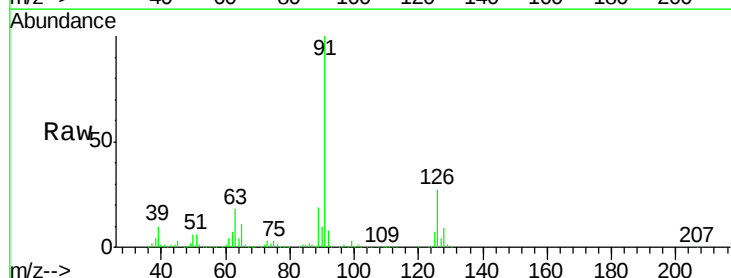
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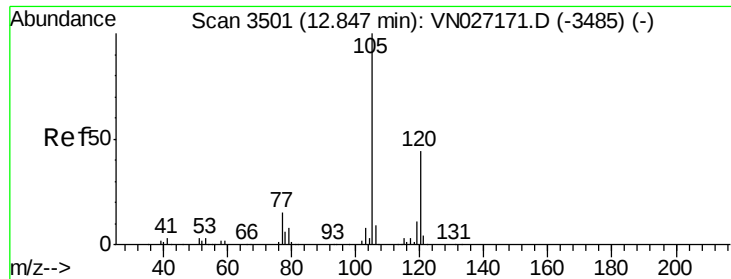
MMDadoda
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#80
2-Chlorotoluene
Concen: 46.85 ug/l
RT: 12.79 min Scan# 3484
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Tgt Ion: 91 Resp: 1182396
Ion Ratio Lower Upper
91 100
126 27.5 15.2 45.5





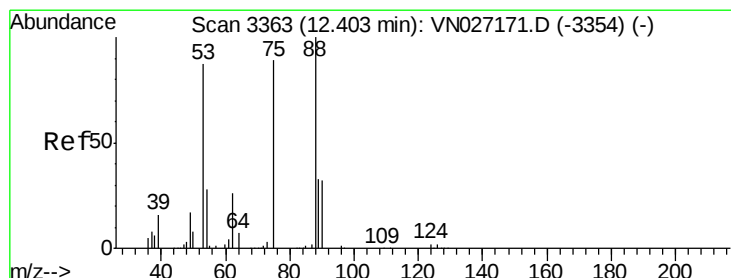
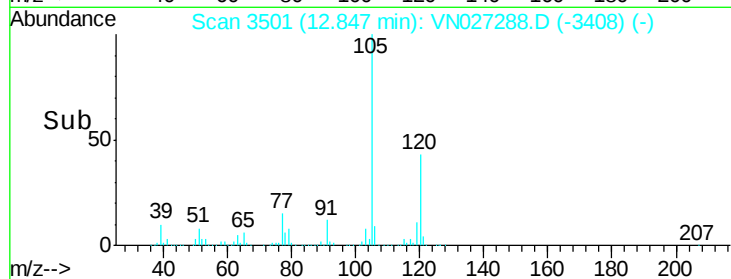
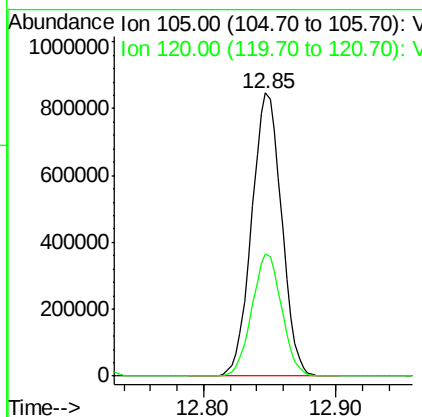
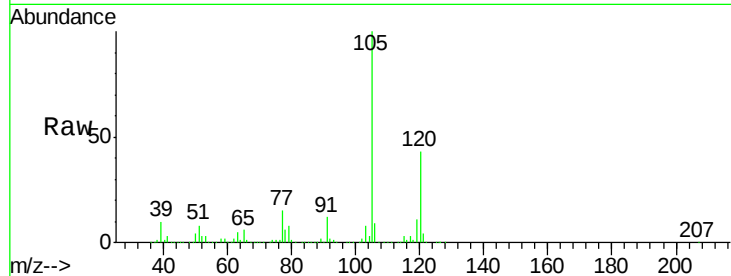
#81
 1,3,5-Trimethylbenzene
 Concen: 46.26 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1327554
 Ion Ratio Lower Upper
 105 100
 120 43.1 23.4 70.0

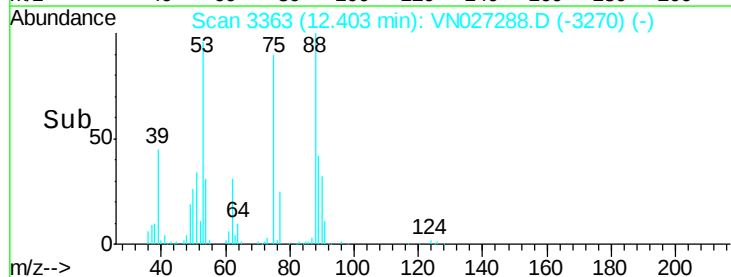
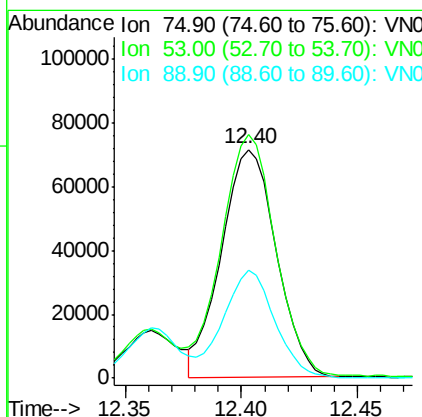
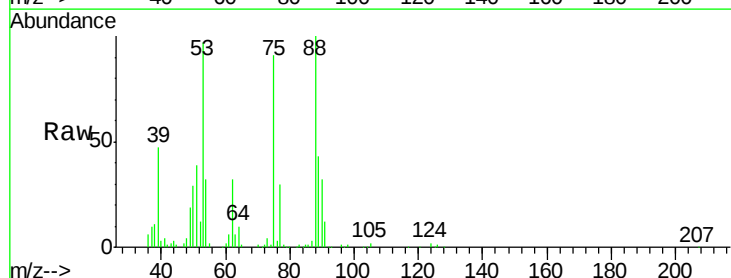
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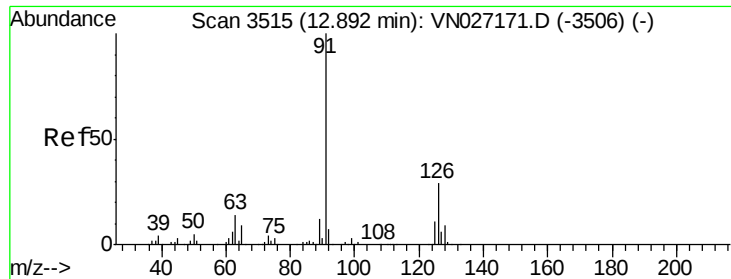
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#82
 trans-1,4-Dichloro-2-butene
 Concen: 29.41 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion: 75 Resp: 117290
 Ion Ratio Lower Upper
 75 100
 53 106.2 92.9 139.3
 89 44.5 34.2 51.4





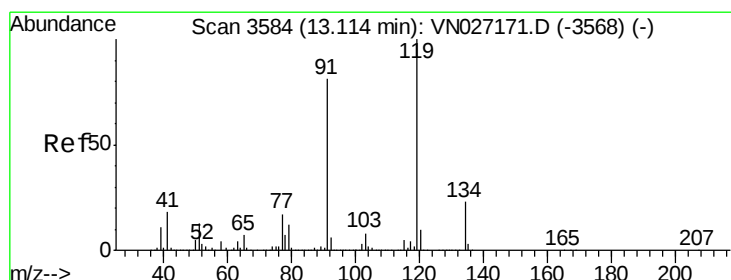
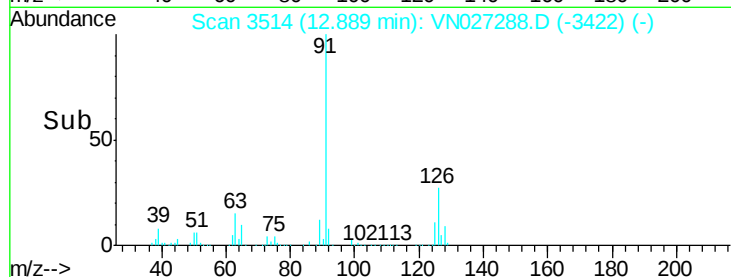
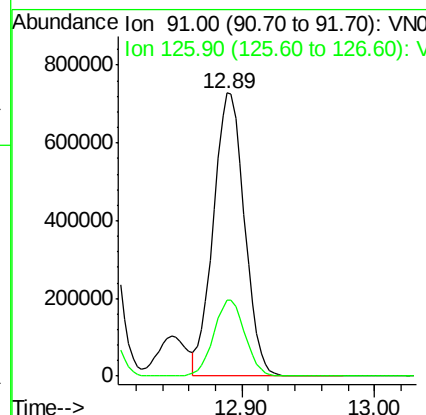
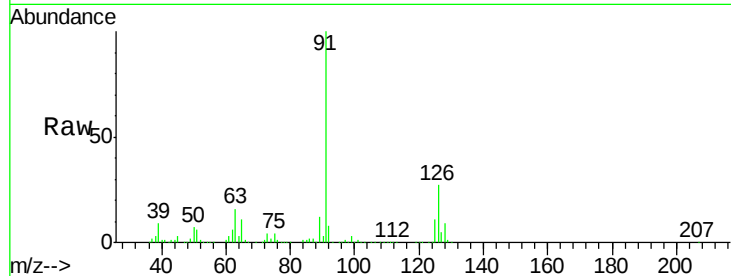
#83
4-Chlorotoluene
Concen: 47.66 ug/l
RT: 12.89 min Scan# 3514
Delta R.T. -0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1181835
Ion Ratio Lower Upper
91 100
126 27.1 14.9 44.5

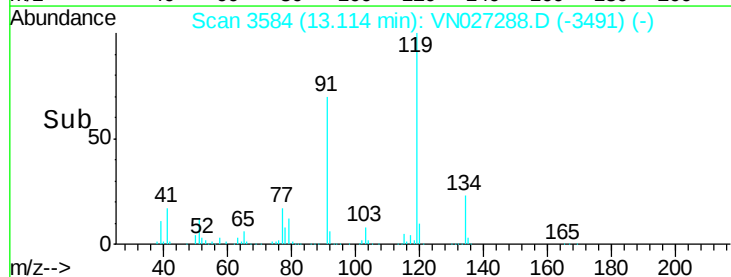
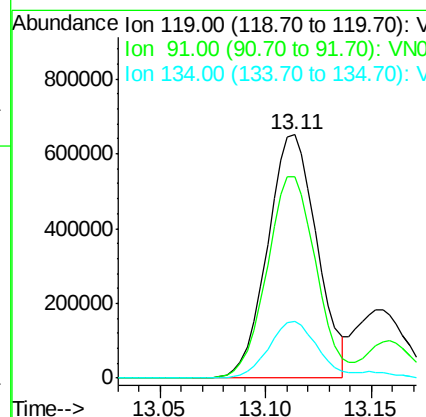
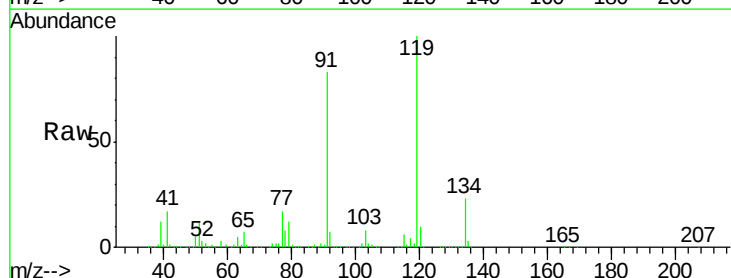
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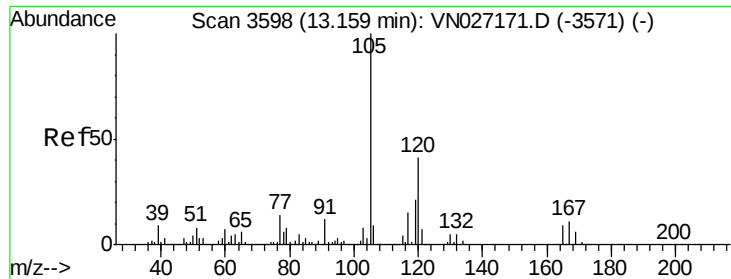
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#84
tert-Butylbenzene
Concen: 44.84 ug/l
RT: 13.11 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Tgt Ion: 119 Resp: 1061645
Ion Ratio Lower Upper
119 100
91 81.9 34.6 103.8
134 23.2 11.4 34.2





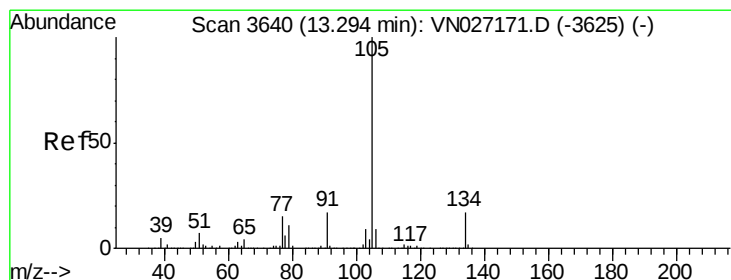
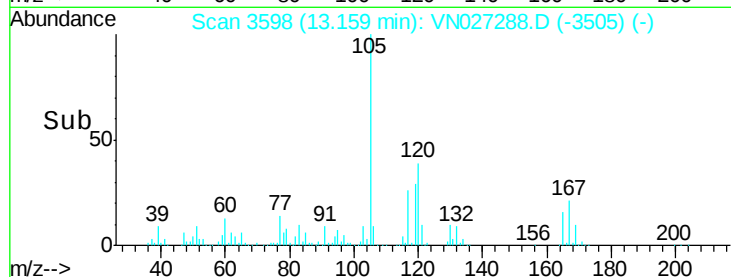
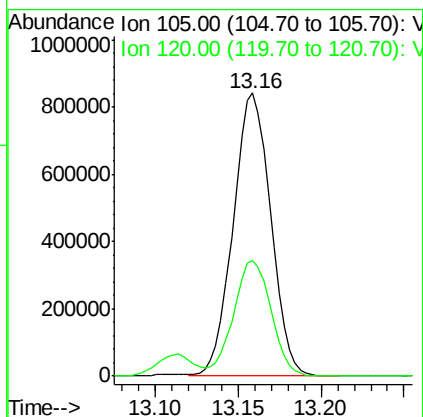
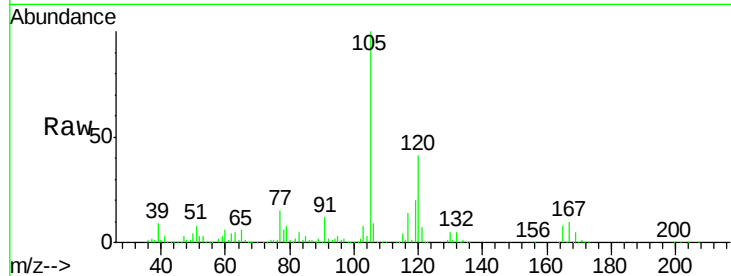
#85
 1,2,4-Trimethylbenzene
 Concen: 46.00 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1325996
 Ion Ratio Lower Upper
 105 100
 120 41.0 21.9 65.5

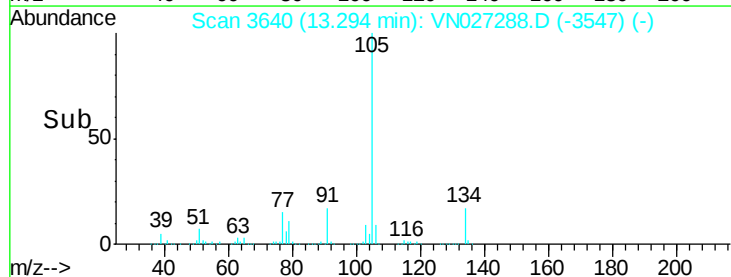
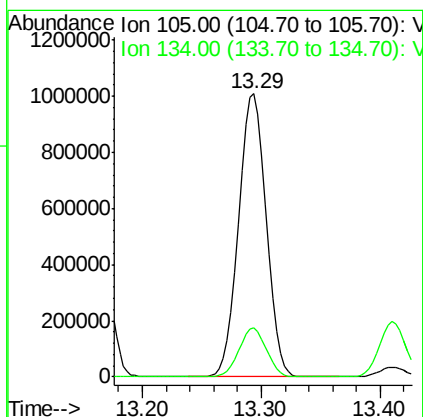
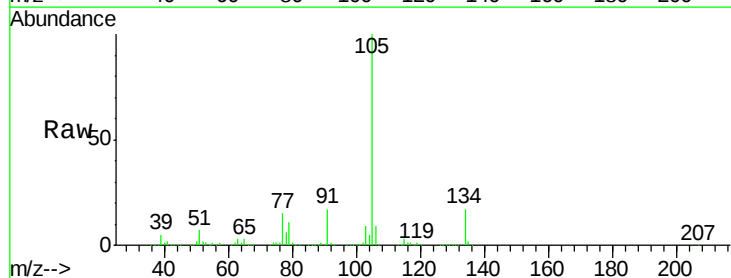
Manual Integrations
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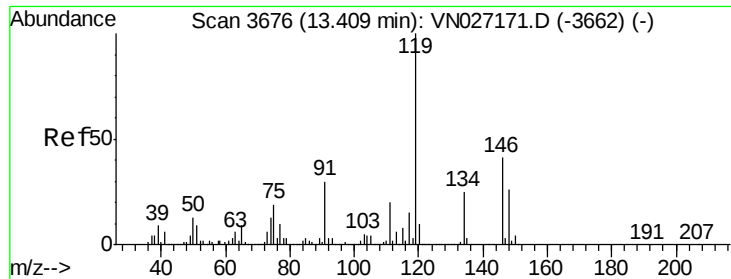
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#86
 sec-Butylbenzene
 Concen: 46.71 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion:105 Resp: 1620227
 Ion Ratio Lower Upper
 105 100
 134 17.2 8.8 26.4





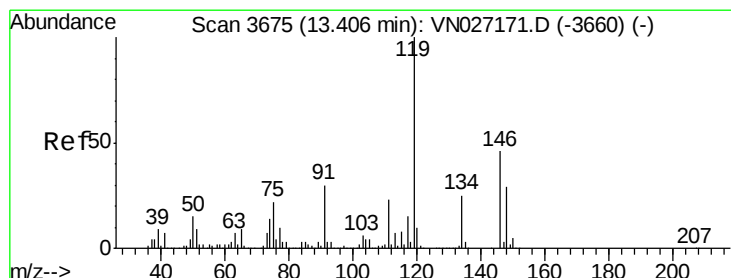
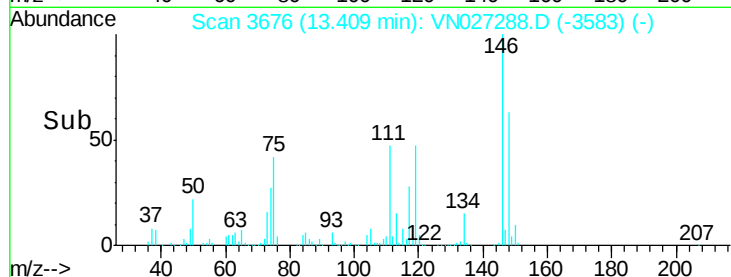
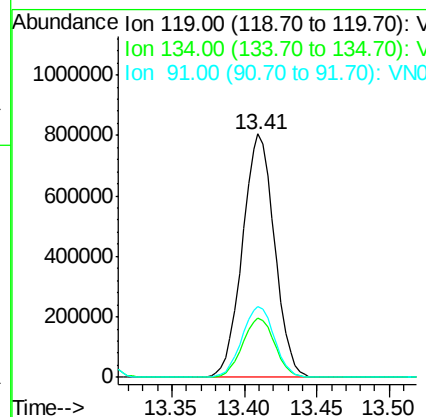
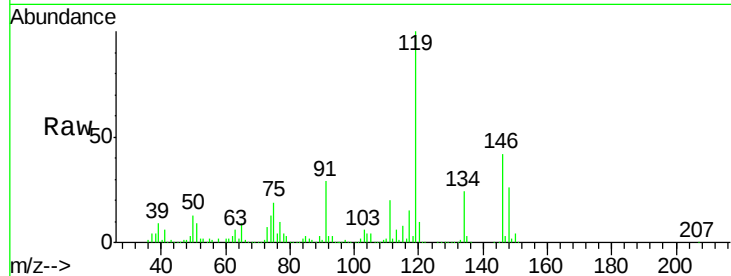
#87
 p-Isopropyltoluene
 Concen: 46.05 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.6	12.4	37.0
91	29.3	12.0	36.1

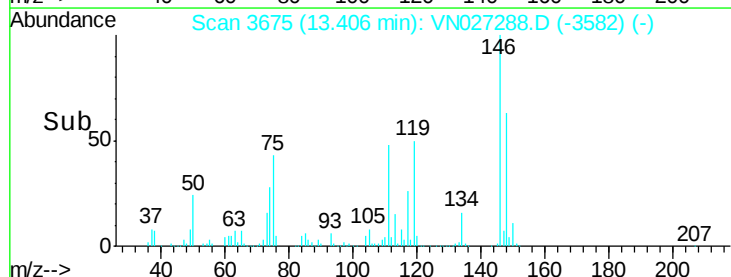
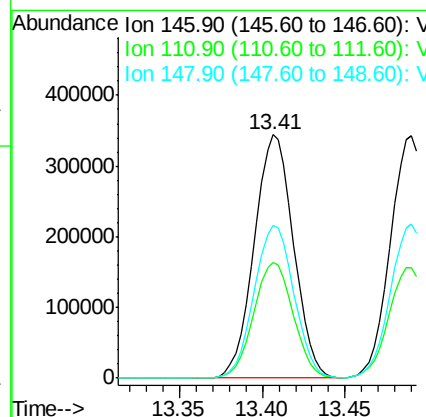
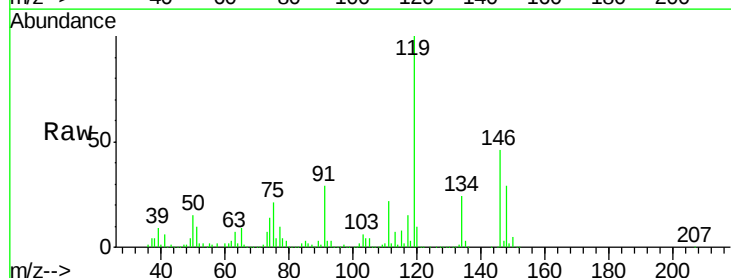
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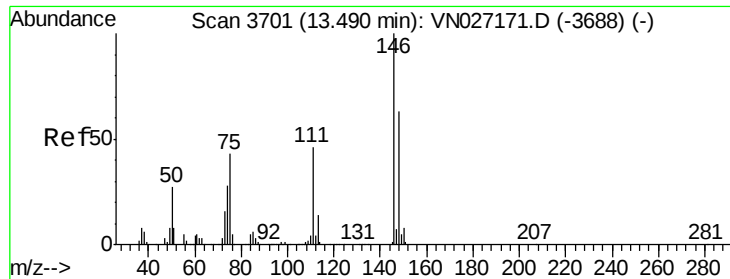
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#88
 1,3-Dichlorobenzene
 Concen: 47.30 ug/l
 RT: 13.41 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.7	21.0	63.0
148	63.4	31.9	95.9





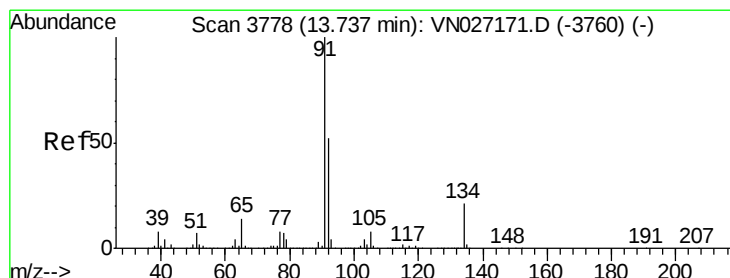
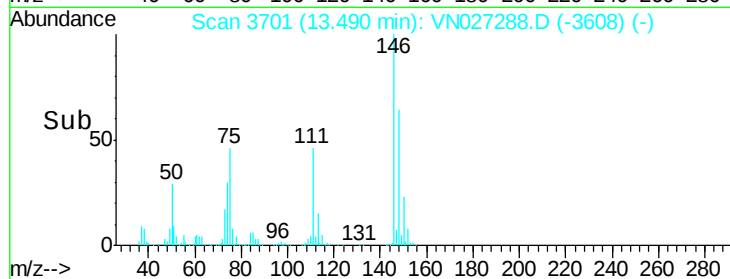
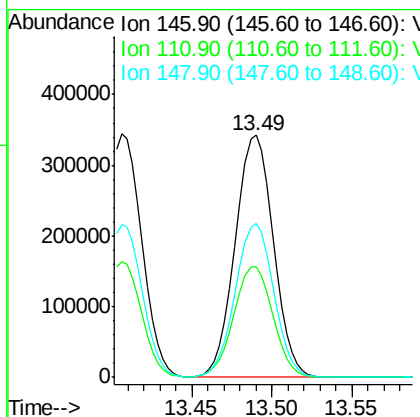
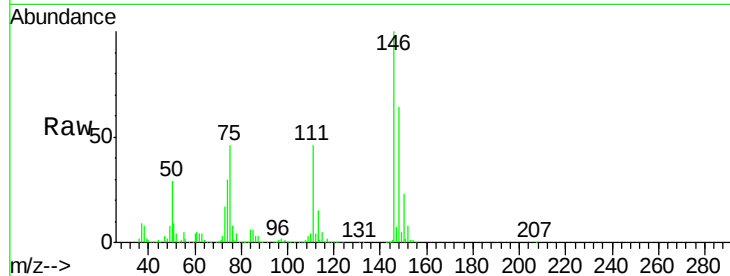
#89
 1,4-Dichlorobenzene
 Concen: 45.89 ug/l
 RT: 13.49 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.6	19.9	59.6
148	64.3	31.7	95.1

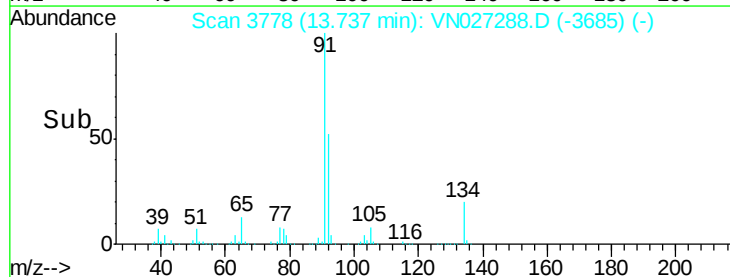
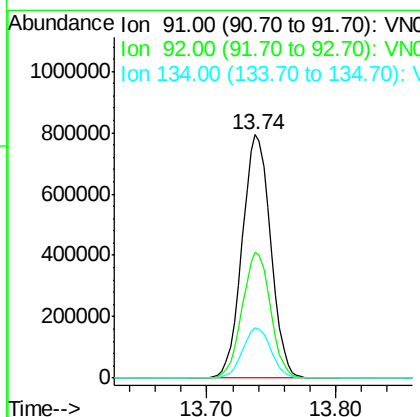
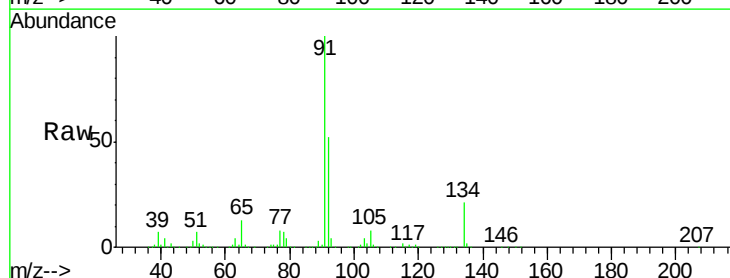
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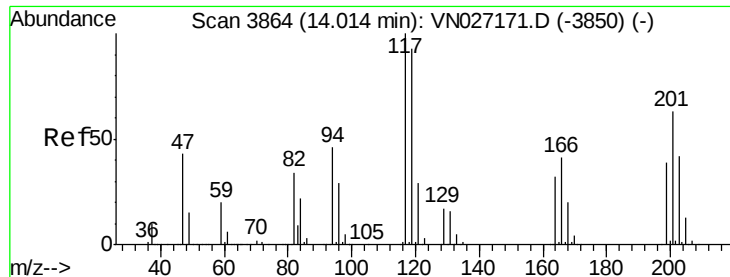
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#90
 n-Butylbenzene
 Concen: 47.00 ug/l
 RT: 13.74 min Scan# 3778
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.1	78.2
134	20.6	11.1	33.1





#91

Hexachloroethane

Concen: 40.89 ug/l

RT: 14.01 min Scan# 3864

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:117 Resp: 239079

Ion Ratio Lower Upper

117 100

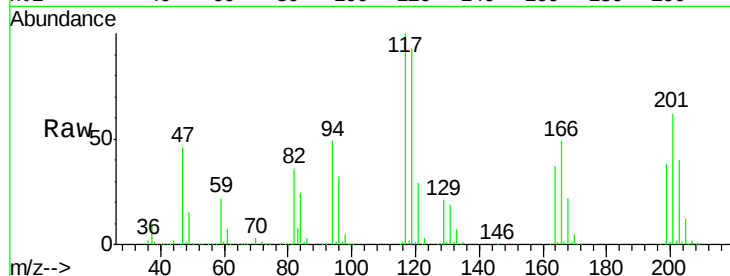
201 63.9 34.9 104.7

Manual Integrations

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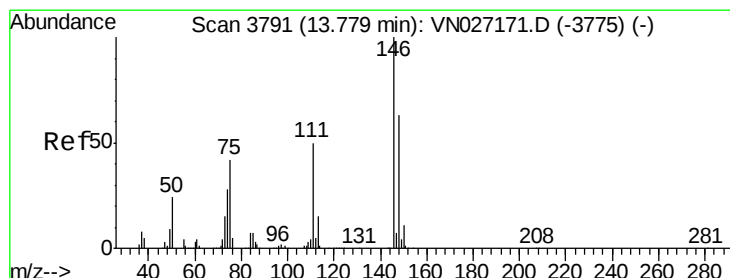
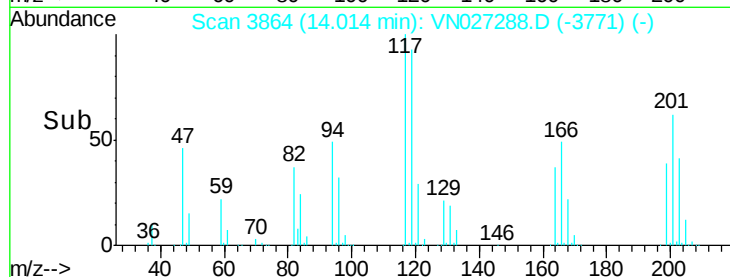
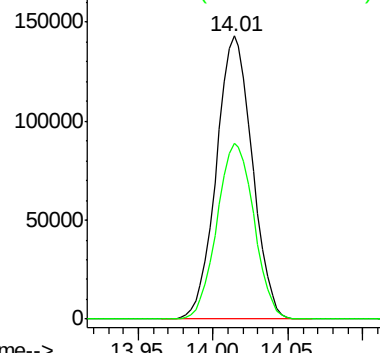
MMDadoda

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dichlorobenzene

Concen: 47.78 ug/l

RT: 13.78 min Scan# 3791

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

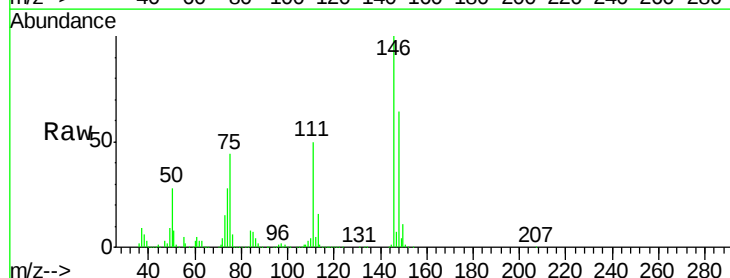
Tgt Ion:146 Resp: 565984

Ion Ratio Lower Upper

146 100

111 50.0 22.1 66.3

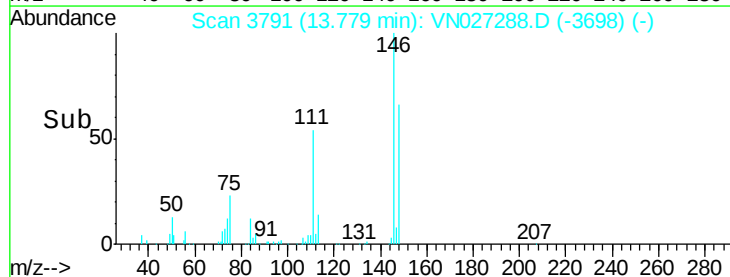
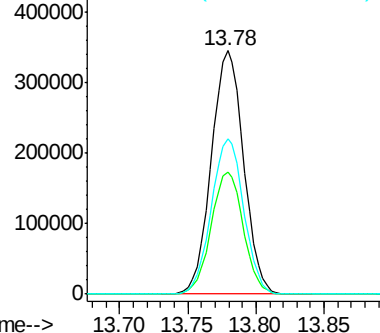
148 64.1 32.0 96.0

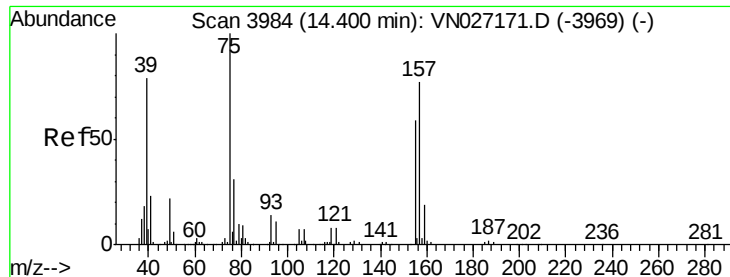


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





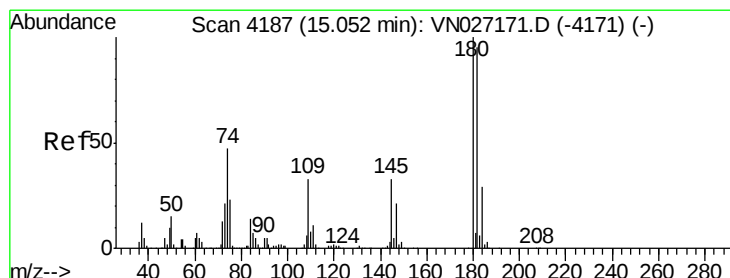
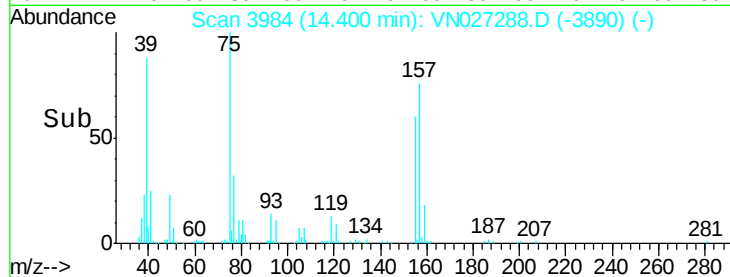
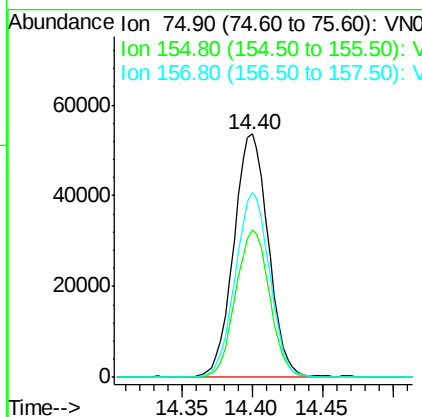
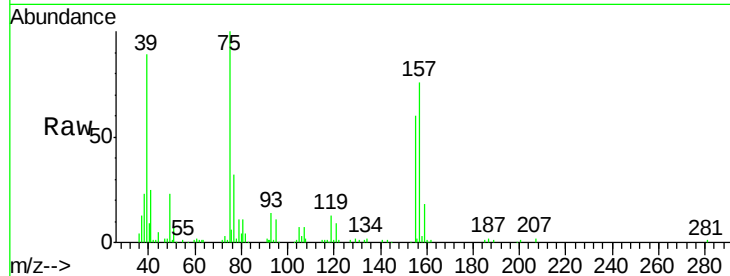
#93
 1,2-Dibromo-3-Chloropropane
 Concen: 45.22 ug/l
 RT: 14.40 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
155	59.2	35.6	106.9
157	75.0	44.6	133.8

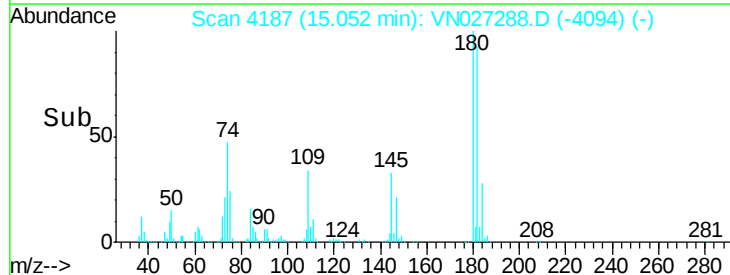
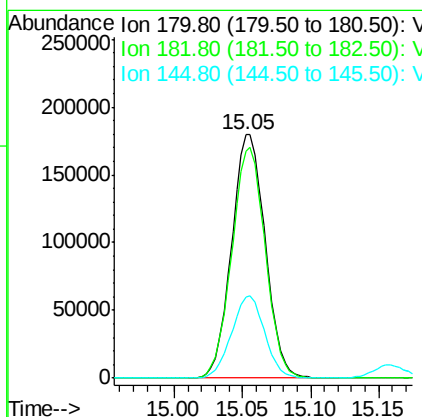
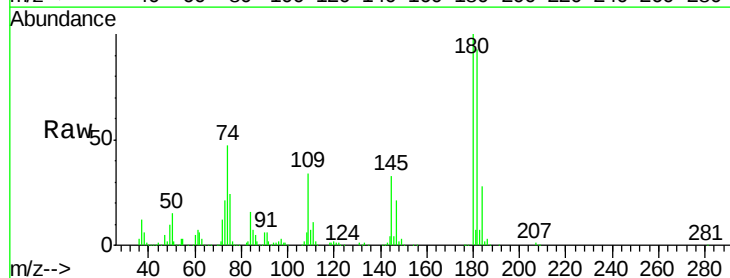
Manual Integrations
 APPROVED

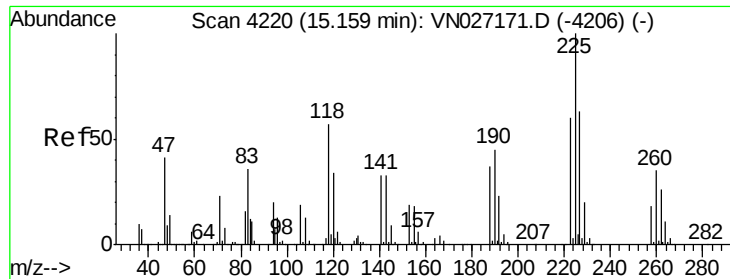
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 9/18/2015 12:24:37 PM



#94
 1,2,4-Trichlorobenzene
 Concen: 47.99 ug/l
 RT: 15.05 min Scan# 4187
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.5	142.5
145	33.3	15.1	45.3





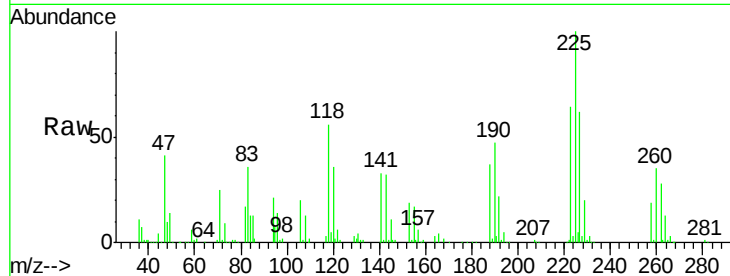
#95
Hexachlorobutadiene
Concen: 45.22 ug/l
RT: 15.16 min Scan# 4220
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

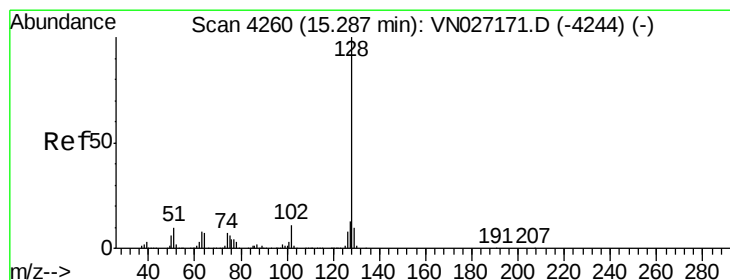
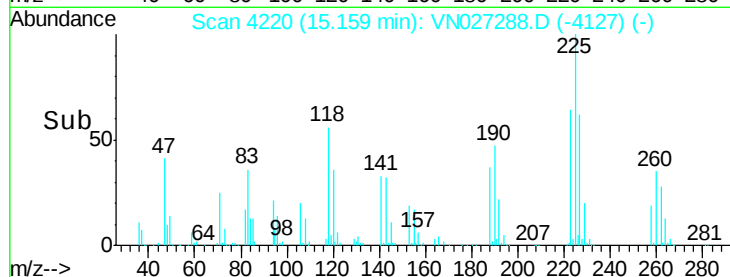
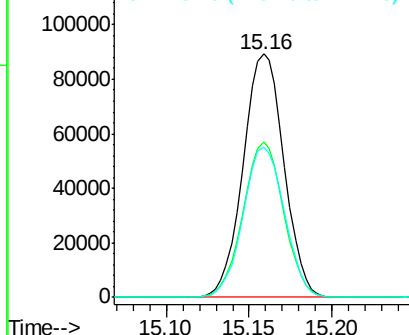
Tot Ion	Ratio	Resp Lower	Upper
225	100		
223	63.7	30.8	92.3
227	62.7	31.7	95.1

Manual Integrations
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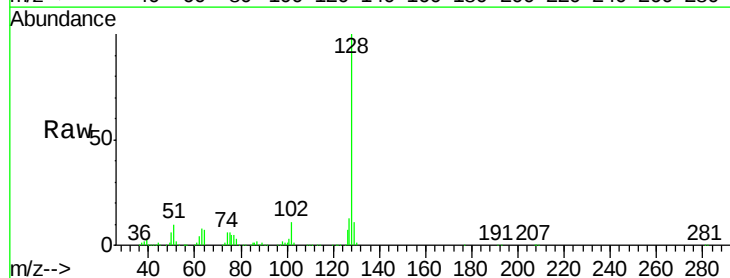


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

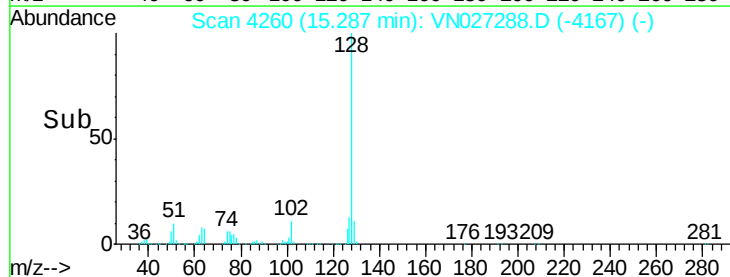
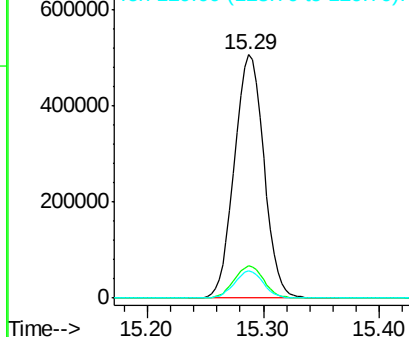


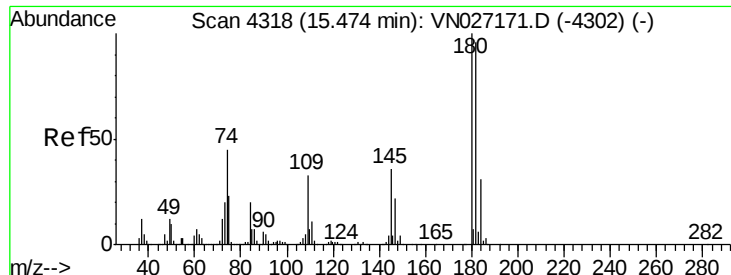
#96
Naphthalene
Concen: 47.66 ug/l
RT: 15.29 min Scan# 4260
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.9	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: 49.41 ug/l
 RT: 15.47 min Scan# 4318
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	93.7	48.8	146.4
145	34.3	16.6	49.8

Manual Integrations
 APPROVED

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