

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110918\
 Data File : VF060670.D
 Acq On : 9 Nov 2018 13:49
 Operator : VA/AP
 Sample : VF1109SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1109SBS01

Manual Integrations
 APPROVED

apatel
 11/12/2018 2:41:05 PM

Quant Time: Nov 12 04:36:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	243881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	416823	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	378358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	208653	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	141177	57.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.58%	
35) Dibromofluoromethane	4.11	113	168701	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
50) Toluene-d8	7.55	98	439946	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	
62) 4-Bromofluorobenzene	11.41	95	216604	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	87675	33.047	ug/l	96
3) Chloromethane	1.10	50	55645	26.070	ug/l	94
4) Vinyl Chloride	1.14	62	50599	25.726	ug/l #	89
5) Bromomethane	1.31	94	27576	24.978	ug/l	98
6) Chloroethane	1.37	64	16417	20.590	ug/l	89
7) Trichlorofluoromethane	1.49	101	96487	26.211	ug/l	88
8) Diethyl Ether	1.63	74	11538	16.911	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	1.81	101	48165	22.897	ug/l	93
10) Methyl Iodide	1.88	142	77185	22.297	ug/l #	82
11) Tert butyl alcohol	2.56	59	12700	94.190	ug/l	98
12) 1,1-Dichloroethene	1.77	96	35832	20.224	ug/l #	76
13) Acrolein	2.00	56	8404	81.232	ug/l #	76
14) Allyl chloride	2.10	41	67740	23.416	ug/l	91
15) Acrylonitrile	2.94	53	30433	103.630	ug/l	91
16) Acetone	2.24	43	68999	118.833	ug/l	98
17) Carbon Disulfide	1.81	76	112651	22.572	ug/l	100
18) Methyl Acetate	2.34	43	18754	21.073	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	90215	21.782	ug/l	95
20) Methylene Chloride	2.18	84	44943m	23.174	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	41969	22.579	ug/l	94
22) Diisopropyl ether	2.80	45	137548	22.441	ug/l	98
23) Vinyl Acetate	3.18	43	374692	101.744	ug/l	98
24) 1,1-Dichloroethane	2.87	63	84465	23.811	ug/l	98
25) 2-Butanone	4.33	43	130983	100.806	ug/l	100
26) 2,2-Dichloropropane	3.60	77	72538	27.329	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	75297	21.220	ug/l	96
28) Bromochloromethane	3.72	49	50173	22.538	ug/l	97
29) Tetrahydrofuran	4.07	42	42146	91.069	ug/l	99
30) Chloroform	3.85	83	134794	24.018	ug/l	96
31) Cyclohexane	3.70	56	116511	23.801	ug/l	99
32) 1,1,1-Trichloroethane	4.09	97	106742	27.233	ug/l	97
36) 1,1-Dichloropropene	4.28	75	97699	21.288	ug/l	97
37) Ethyl Acetate	4.10	43	38005	17.250	ug/l #	61
38) Carbon Tetrachloride	3.99	117	97979	24.984	ug/l	98

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Quant Time: Nov 12 04:36:25 2018
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	124601	22.247	ug/l	99
40) Benzene	4.63	78	231121	20.746	ug/l	98
41) Methacrylonitrile	4.74	41	23394	18.750	ug/l #	93
42) 1,2-Dichloroethane	4.94	62	72327	22.621	ug/l	93
43) Isopropyl Acetate	6.96	43	55736	20.000	ug/l #	96
44) Trichloroethene	5.50	130	70935	21.187	ug/l	93
45) 1,2-Dichloropropane	6.24	63	60733	21.316	ug/l	95
46) Dibromomethane	6.08	93	37626	20.816	ug/l	87
47) Bromodichloromethane	6.39	83	95339	21.868	ug/l	99
48) Methyl methacrylate	6.71	41	32835	18.747	ug/l	93
49) 1,4-Dioxane	6.71	88	6946	379.109	ug/l #	87
51) 4-Methyl-2-Pentanone	8.25	43	197757	105.526	ug/l	98
52) Toluene	7.62	92	145068	19.990	ug/l	94
53) t-1,3-Dichloropropene	8.27	75	77161	20.363	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	99196	20.719	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	41703	19.748	ug/l	98
56) Ethyl methacrylate	8.62	69	54424	20.031	ug/l	94
57) 1,3-Dichloropropane	8.86	76	76650	20.686	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.62	63	21126	109.864	ug/l	100
59) 2-Hexanone	9.49	43	169597	123.744	ug/l	99
60) Dibromochloromethane	8.72	129	60925	20.629	ug/l	94
61) 1,2-Dibromoethane	8.98	107	45604	20.536	ug/l	99
64) Tetrachloroethene	8.15	164	61213	20.644	ug/l	96
65) Chlorobenzene	9.80	112	159477	20.611	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	70453	21.549	ug/l	97
67) Ethyl Benzene	9.90	91	317647	22.623	ug/l	99
68) m/p-Xylenes	10.13	106	235249	44.478	ug/l	88
69) o-Xylene	10.71	106	123981	21.467	ug/l	85
70) Styrene	10.79	104	181786	21.727	ug/l	97
71) Bromoform	10.78	173	30883	18.290	ug/l	97
73) Isopropylbenzene	11.12	105	363500	22.338	ug/l	95
74) N-amyl acetate	11.37	43	99757	22.214	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.70	83	62545	21.058	ug/l	98
76) 1,2,3-Trichloropropane	11.86	75	28055	19.220	ug/l	94
77) Bromobenzene	11.50	156	73459	20.631	ug/l	87
78) n-propylbenzene	11.60	91	434524	22.823	ug/l	98
79) 2-Chlorotoluene	11.72	91	236458	21.747	ug/l	95
80) 1,3,5-Trimethylbenzene	11.82	105	299843	22.355	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.86	75	22619m	19.717	ug/l	
82) 4-Chlorotoluene	11.90	91	257639	22.712	ug/l	97
83) tert-Butylbenzene	12.13	119	306436	22.363	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	293692	22.359	ug/l	99
85) sec-Butylbenzene	12.31	105	414612	21.996	ug/l	98
86) p-Isopropyltoluene	12.46	119	360400	23.218	ug/l	95
87) 1,3-Dichlorobenzene	12.48	146	150760	21.572	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	141399	21.331	ug/l	99
89) n-Butylbenzene	12.84	91	357998	21.196	ug/l	93
90) Hexachloroethane	12.92	117	83746	21.215	ug/l	86
91) 1,2-Dichlorobenzene	12.94	146	140572	21.500	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	10235	19.834	ug/l	73

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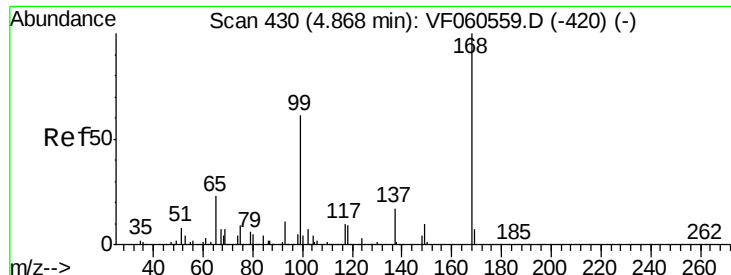
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	92894	20.913	ug/l	97
94) Hexachlorobutadiene	14.19	225	61241	21.277	ug/l	98
95) Naphthalene	14.46	128	183488	20.639	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	88508	21.094	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.00 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1109SBSD01

Tot Ion:168 Resp: 243881

Ion Ratio Lower Upper

168 100

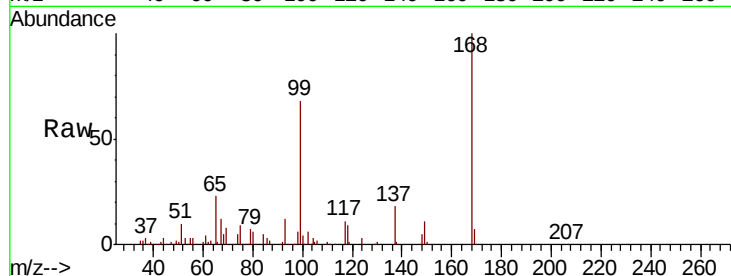
99 67.9 48.6 72.8

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

60000

40000

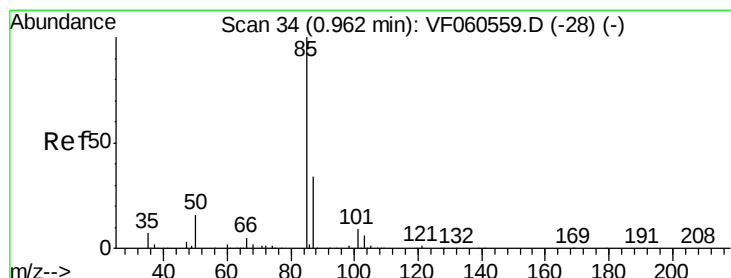
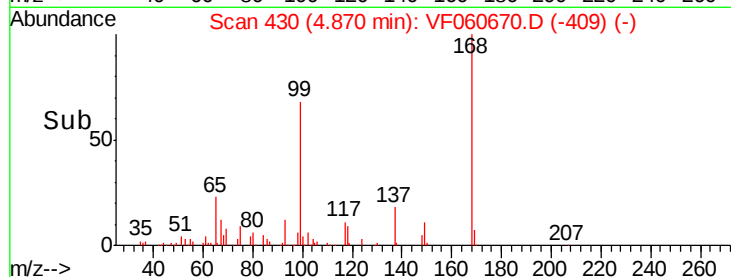
20000

0

4.87

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 33.047 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF060670.D

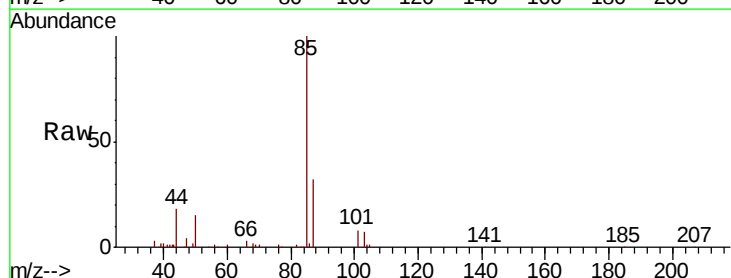
Acq: 9 Nov 2018 13:49

Tgt Ion: 85 Resp: 87675

Ion Ratio Lower Upper

85 100

87 31.7 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

30000

25000

20000

15000

10000

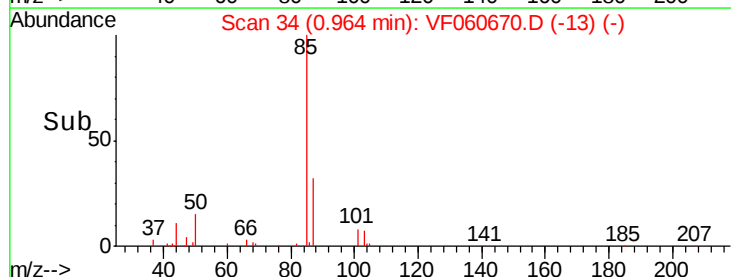
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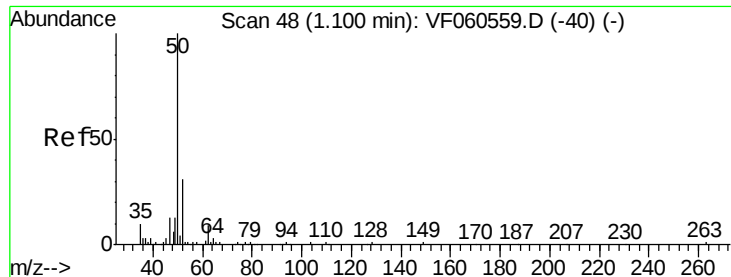
0

0.96

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 26.070 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1109SBS01

Tot Ion: 50 Resp: 55645

Ion Ratio Lower Upper

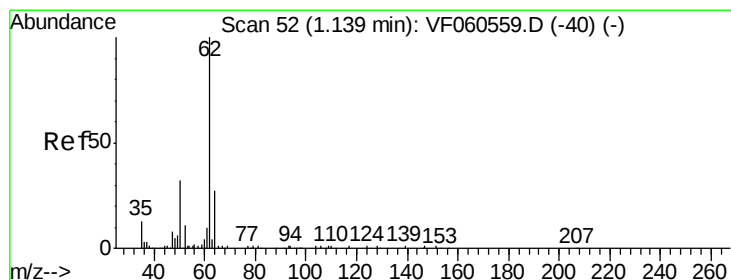
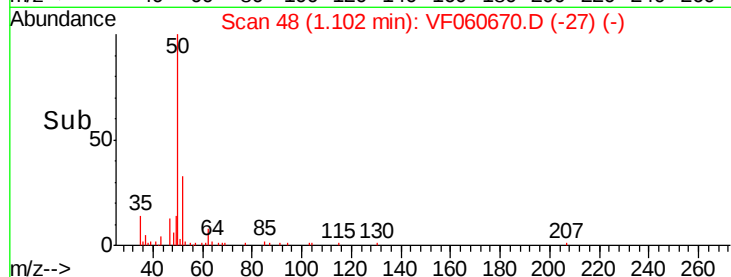
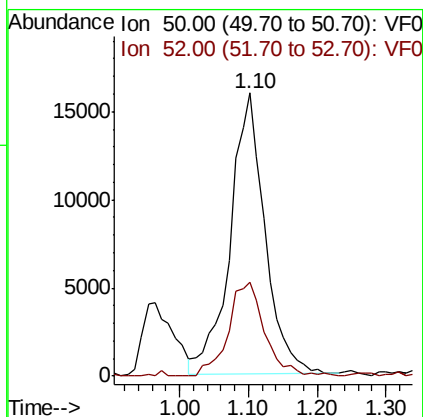
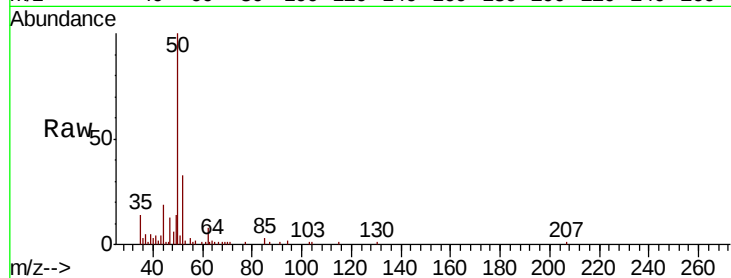
50 100

52 33.3 24.0 36.0

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#4

Vinyl Chloride

Concen: 25.726 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF060670.D

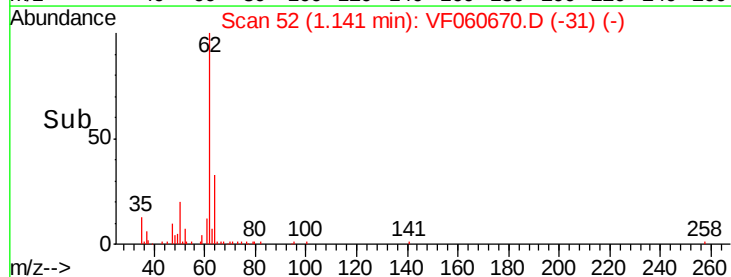
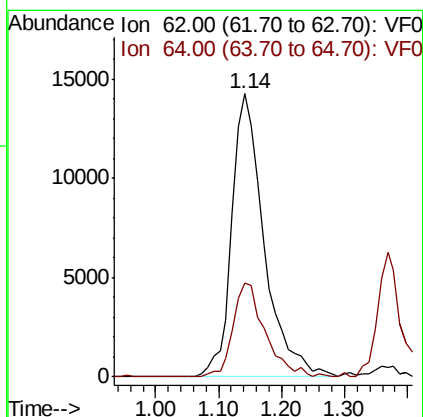
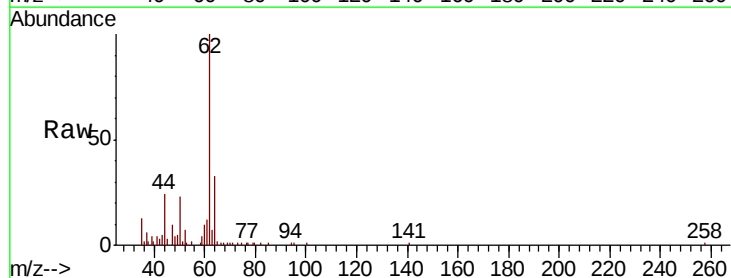
Acq: 9 Nov 2018 13:49

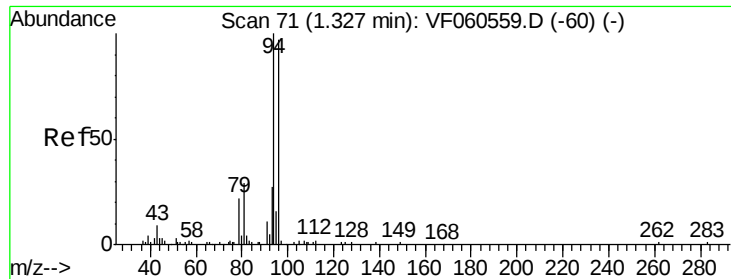
Tgt Ion: 62 Resp: 50599

Ion Ratio Lower Upper

62 100

64 33.1 21.8 32.6#





#5

Bromomethane

Concen: 24.978 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.02 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Instrument :

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ClientSampleId :

VF1109SBS01

Tot Ion: 94 Resp: 27576

Ion Ratio Lower Upper

94 100

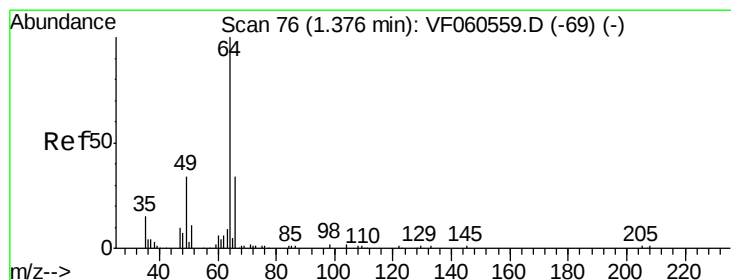
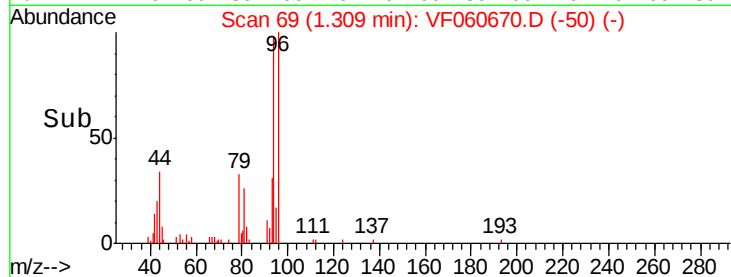
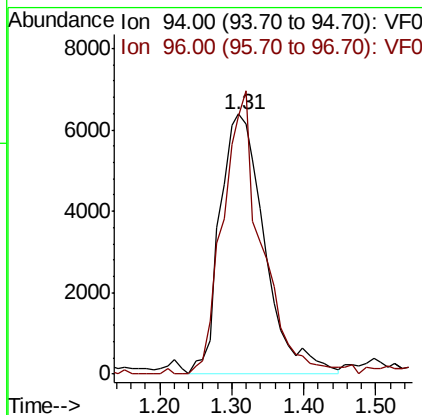
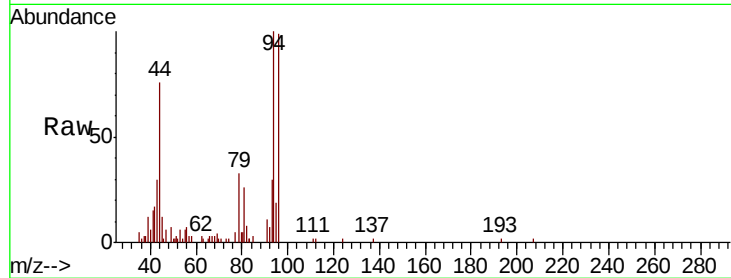
96 99.3 77.9 116.9

Manual Integrations

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#6

Chloroethane

Concen: 20.590 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.01 min

Lab File: VF060670.D

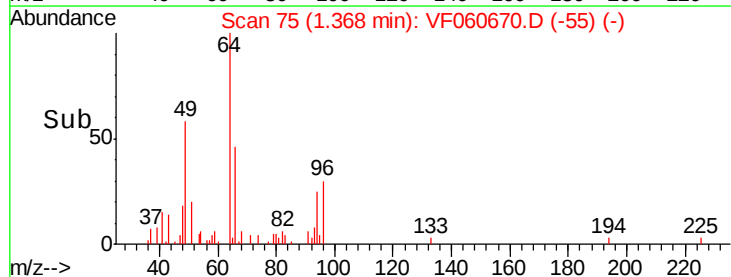
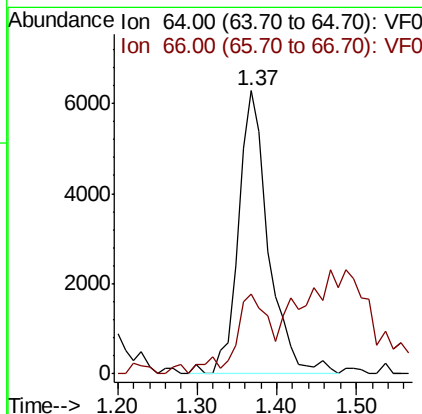
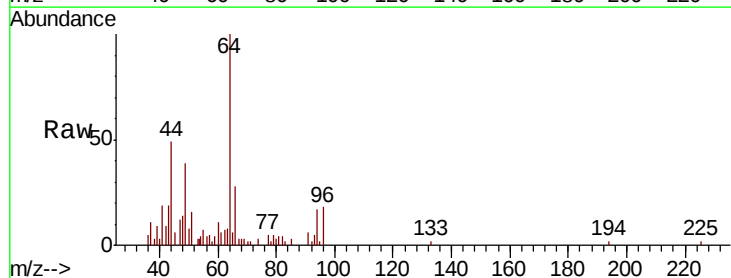
Acq: 9 Nov 2018 13:49

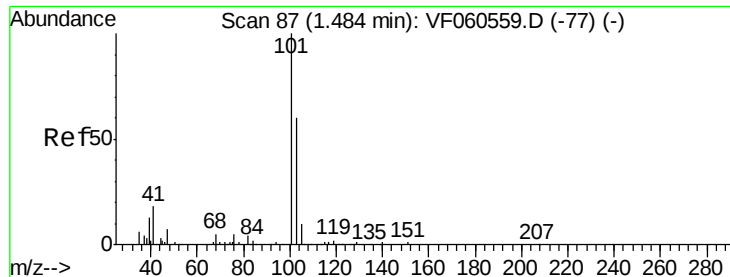
Tgt Ion: 64 Resp: 16417

Ion Ratio Lower Upper

64 100

66 28.3 27.8 41.8





#7

Trichlorofluoromethane

Concen: 26.211 ug/l

RT: 1.49 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1109SBS01

Tot Ion:101 Resp: 96487

Ion Ratio Lower Upper

101 100

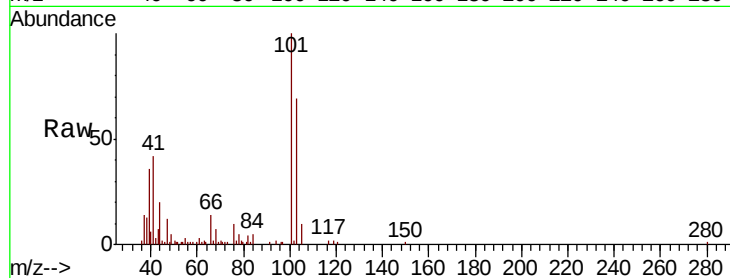
103 68.8 48.0 72.0

Manual Integrations

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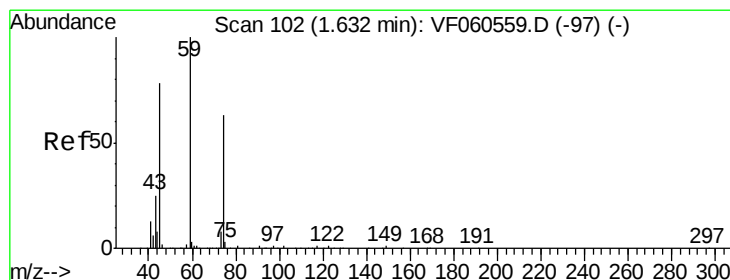
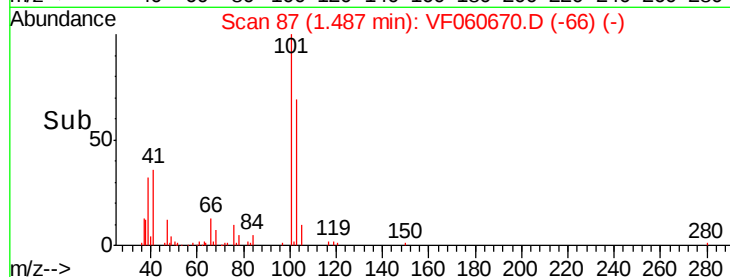
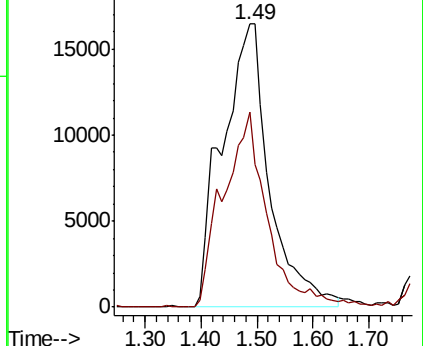
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 16.911 ug/l

RT: 1.63 min Scan# 102

Delta R.T. 0.00 min

Lab File: VF060670.D

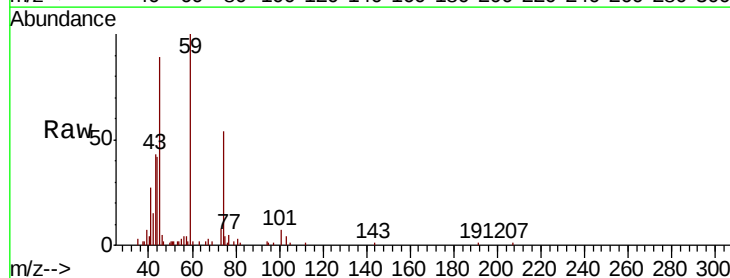
Acq: 9 Nov 2018 13:49

Tgt Ion: 74 Resp: 11538

Ion Ratio Lower Upper

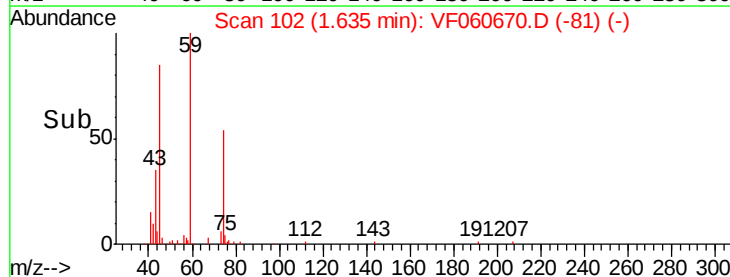
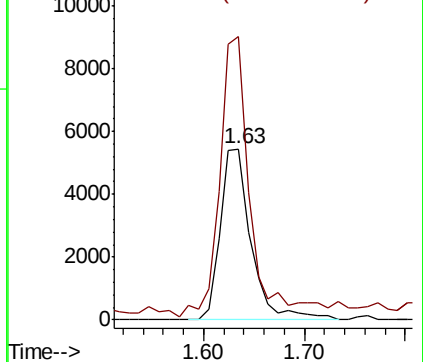
74 100

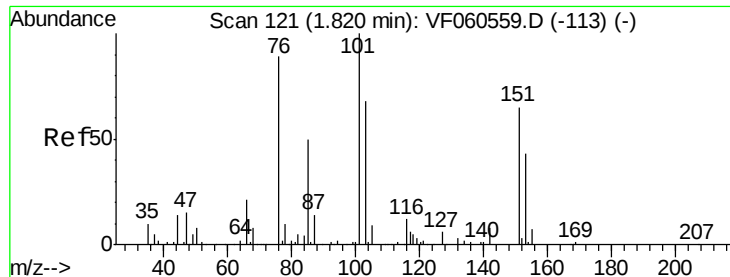
45 165.3 63.8 191.5



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.897 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF060670.D

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MSVOA_F

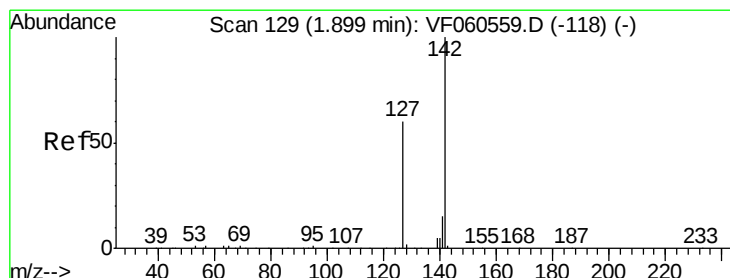
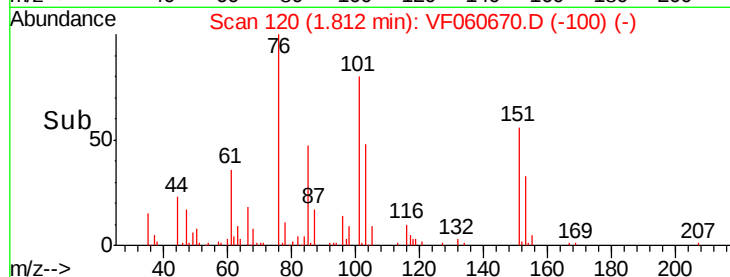
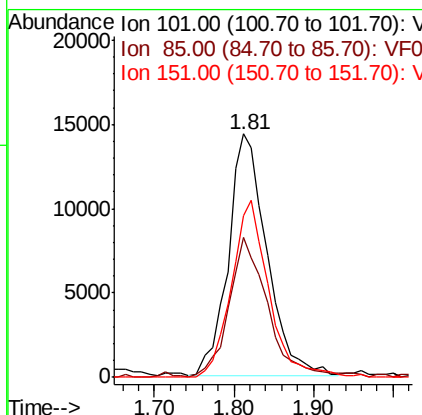
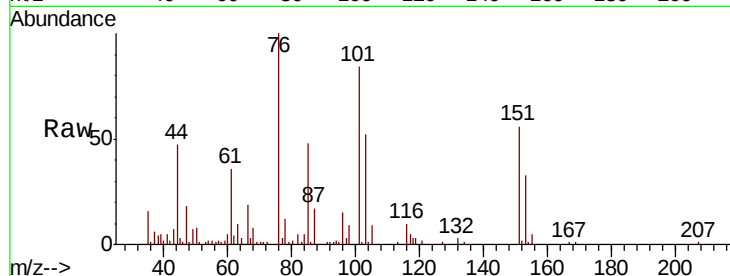
ClientSampleId :

VF1109SBS01

Tot Ion:	101	Resp:	48165
Ion Ratio	Lower	Upper	
101	100		
85	57.6	39.8	59.6
151	66.5	50.8	76.2

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#10

Methyl Iodide

Concen: 22.297 ug/l

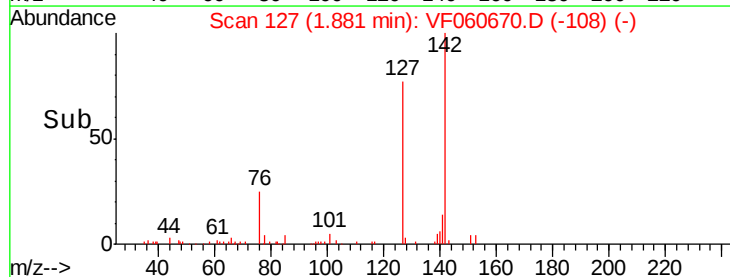
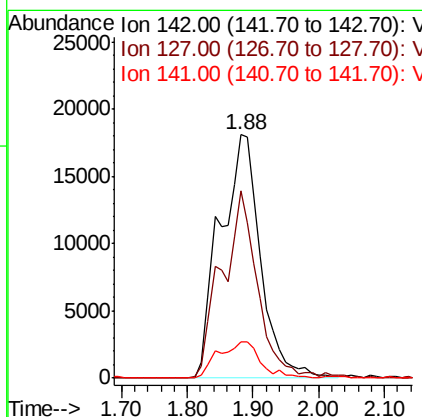
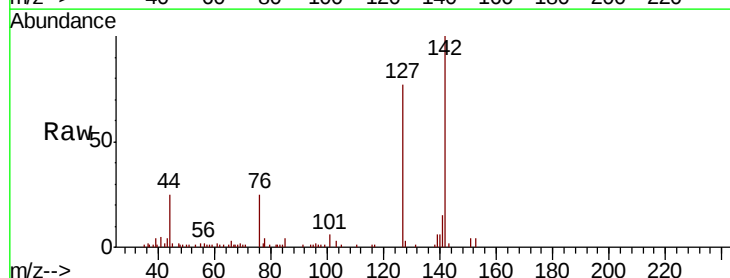
RT: 1.88 min Scan# 127

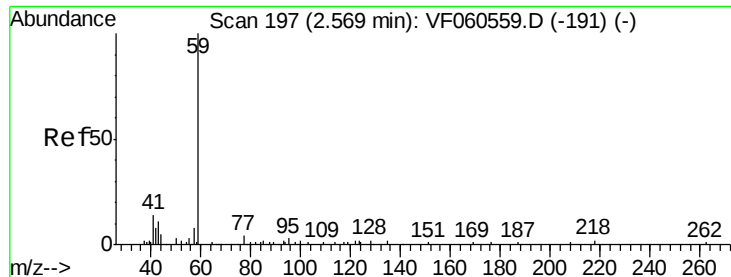
Delta R.T. -0.02 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Tgt Ion:	142	Resp:	77185
Ion Ratio	Lower	Upper	
142	100		
127	76.8	47.8	71.6#
141	14.7	12.7	19.1





#11

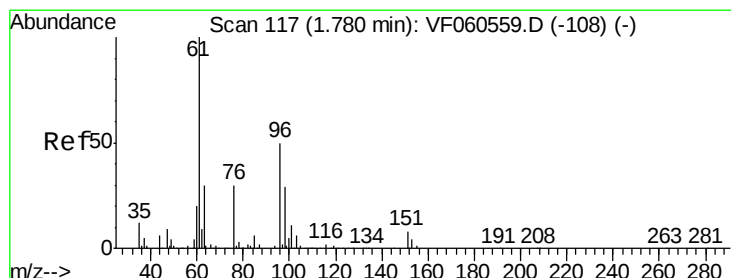
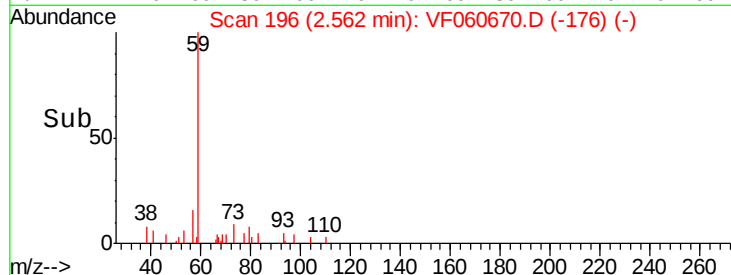
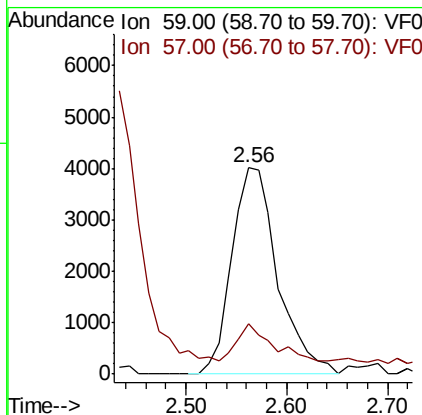
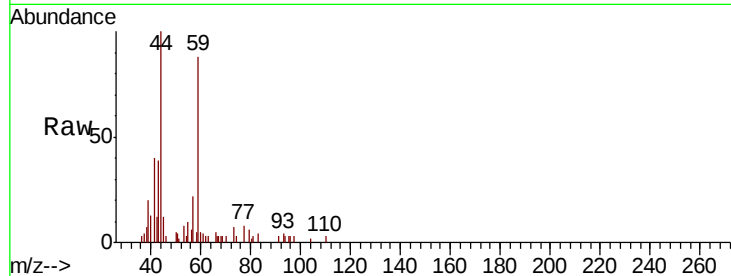
Tert butyl alcohol
 Concen: 94.190 ug/l
 RT: 2.56 min Scan# 196
 Delta R.T. -0.01 min
 Lab File: VF060670.D
 Acq: 9 Nov 2018 13:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1109SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	24.4	19.0	28.4

Manual Integrations
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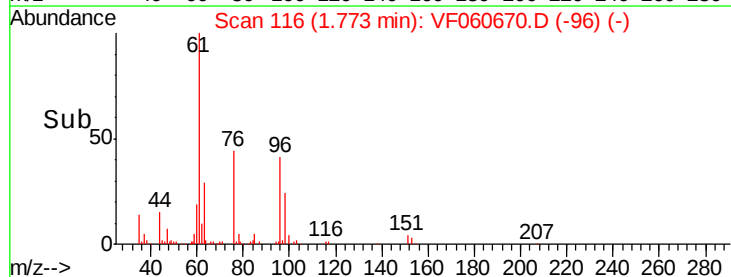
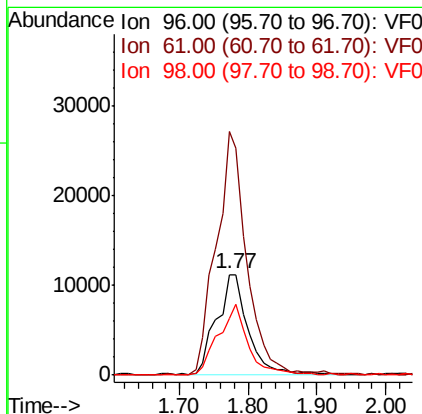
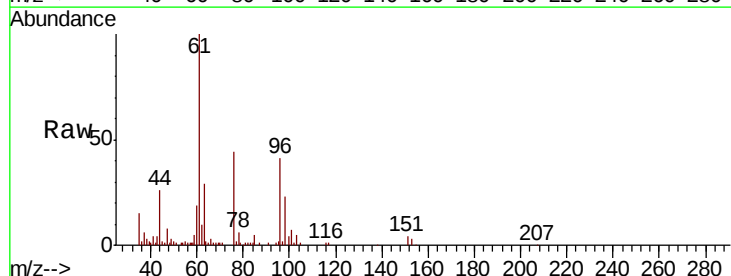
apatel
 11/12/2018 2:41:05 PM

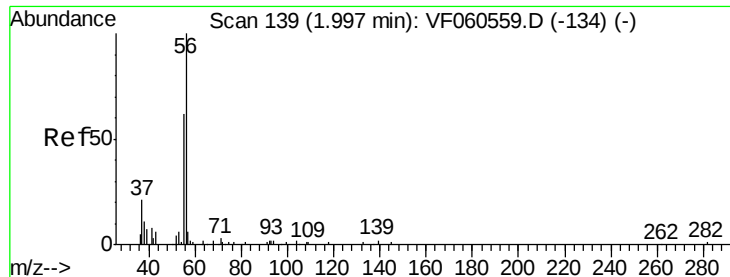


#12

1,1-Dichloroethene
 Concen: 20.224 ug/l
 RT: 1.77 min Scan# 116
 Delta R.T. -0.01 min
 Lab File: VF060670.D
 Acq: 9 Nov 2018 13:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	242.6	158.1	237.1#
98	56.9	47.0	70.6





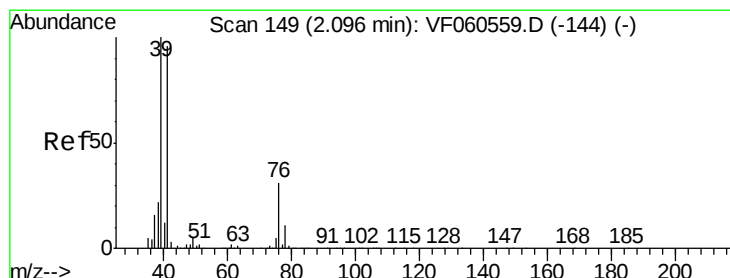
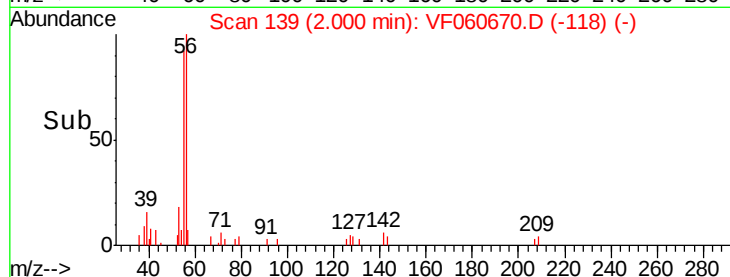
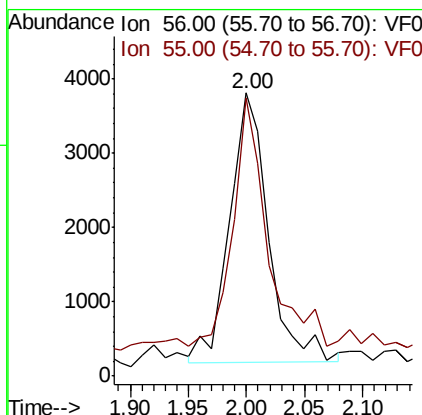
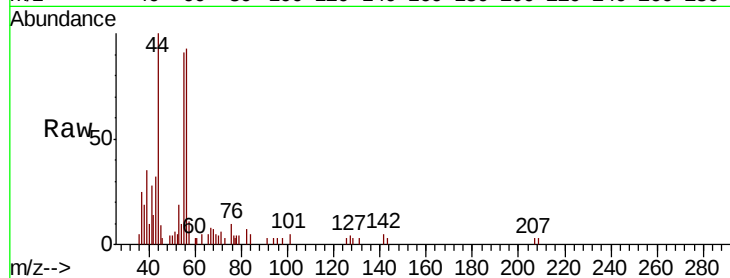
#13
Acrolein
Concen: 81.232 ug/l
RT: 2.00 min Scan# 139
Delta R.T. 0.00 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1109SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	98.1	61.8	92.6#

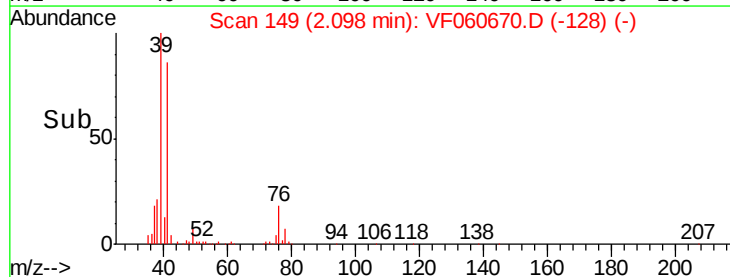
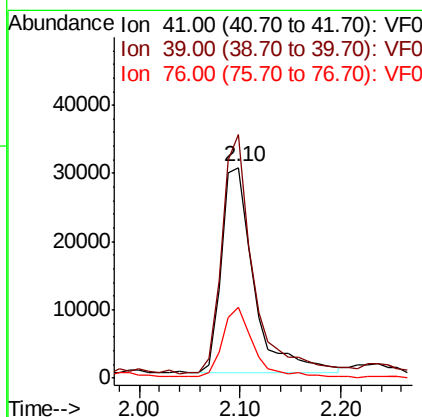
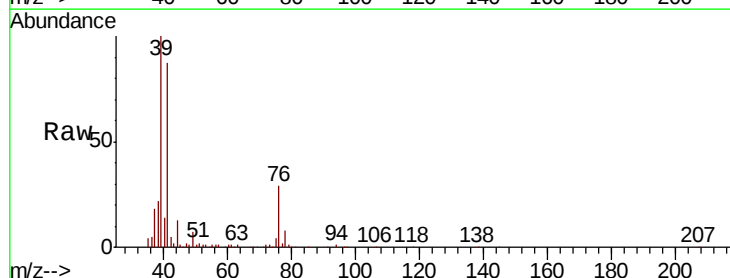
Manual Integrations
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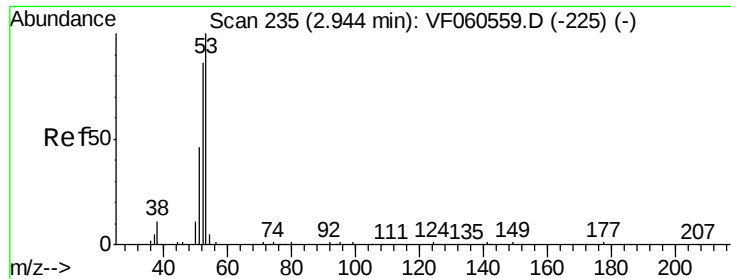
apatel
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#14
Allyl chloride
Concen: 23.416 ug/l
RT: 2.10 min Scan# 149
Delta R.T. 0.00 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Tgt Ion	Ratio	Lower	Upper
41	100		
39	115.5	82.6	124.0
76	33.7	26.7	40.1





#15

Acrylonitrile

Concen: 103.630 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.01 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Instrument :

MSVOA_F

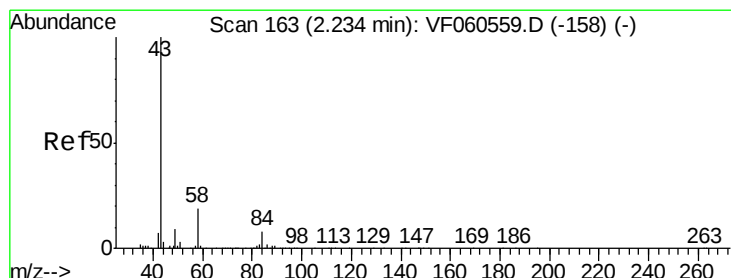
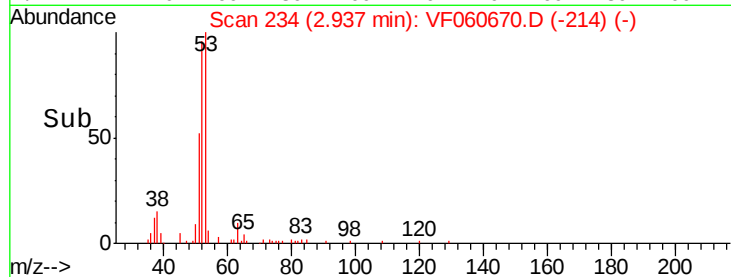
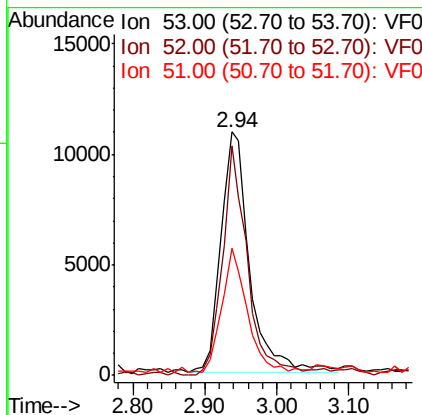
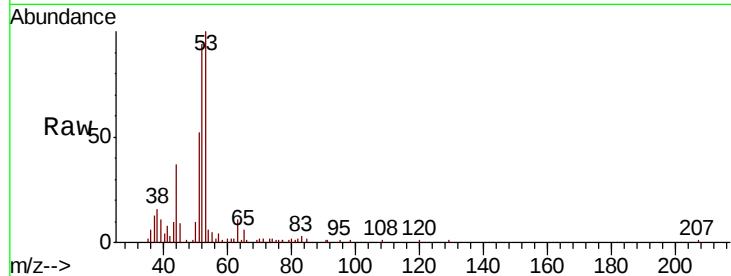
ClientSampleId :

VF1109SBS01

Tot Ion:	53	Resp:	30433
Ion	Ratio	Lower	Upper
53	100		
52	94.4	68.5	102.7
51	52.4	38.2	57.2

Manual Integrations
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#16

Acetone

Concen: 118.833 ug/l

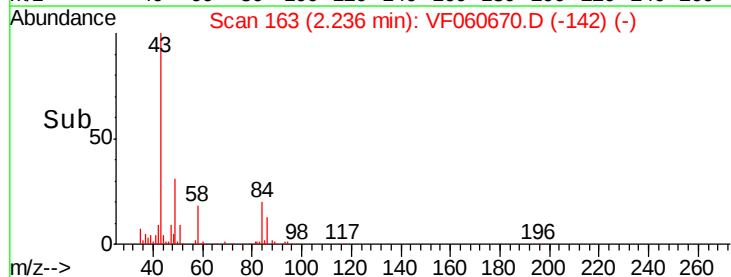
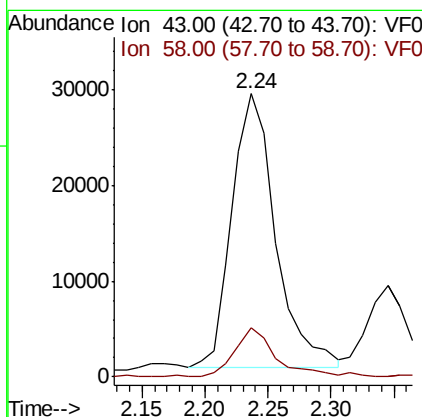
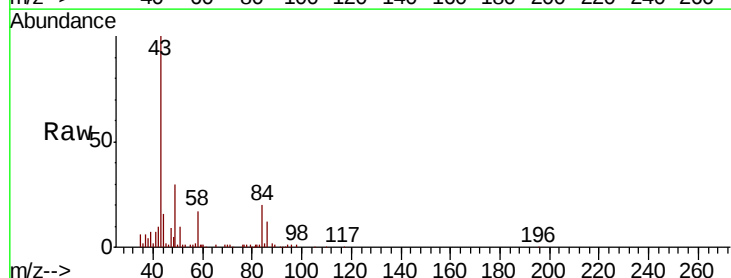
RT: 2.24 min Scan# 163

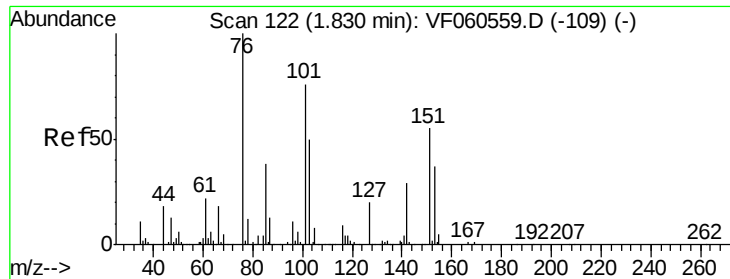
Delta R.T. 0.00 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Tgt Ion:	43	Resp:	68999
Ion	Ratio	Lower	Upper
43	100		
58	17.2	14.6	22.0





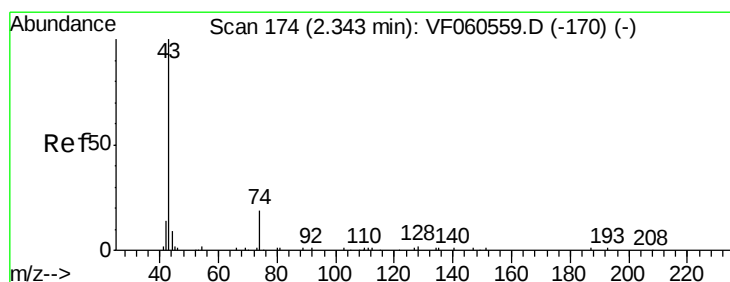
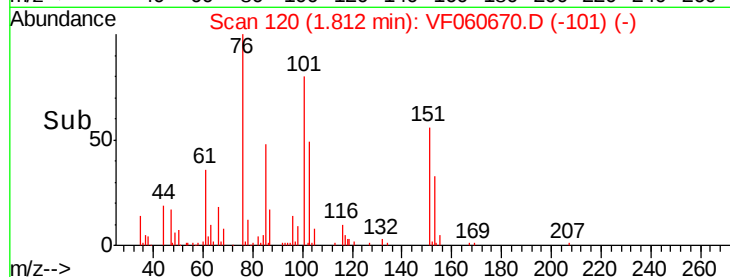
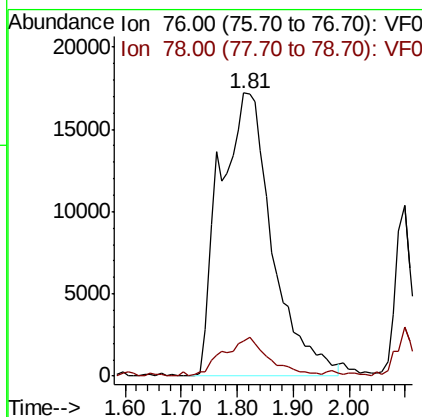
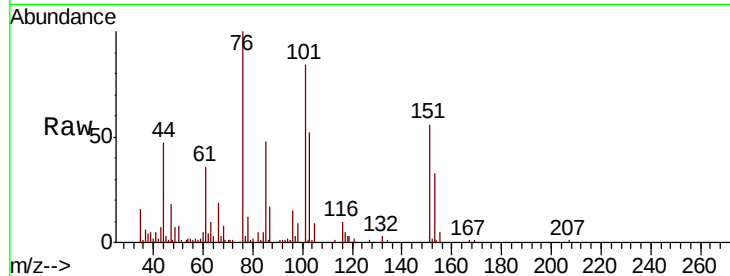
#17
Carbon Disulfide
Concen: 22.572 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.02 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1109SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	12.4	9.9	14.9

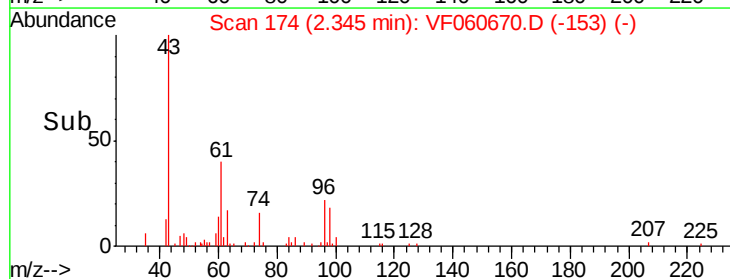
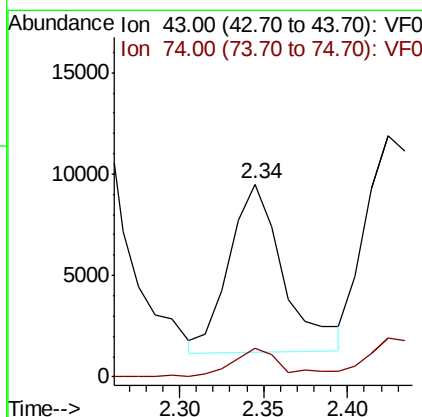
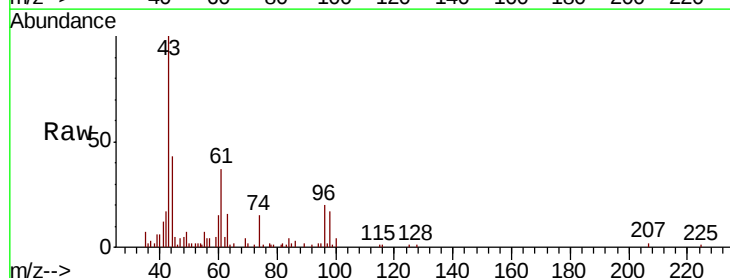
Manual Integrations
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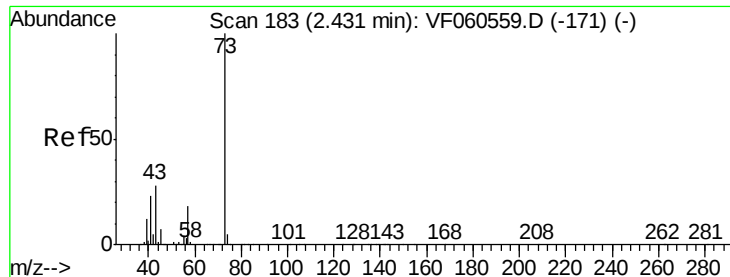
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#18
Methyl Acetate
Concen: 21.073 ug/l
RT: 2.34 min Scan# 174
Delta R.T. 0.00 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.6	12.1	18.1





#19

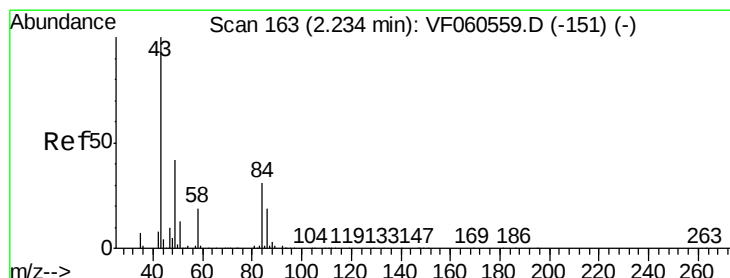
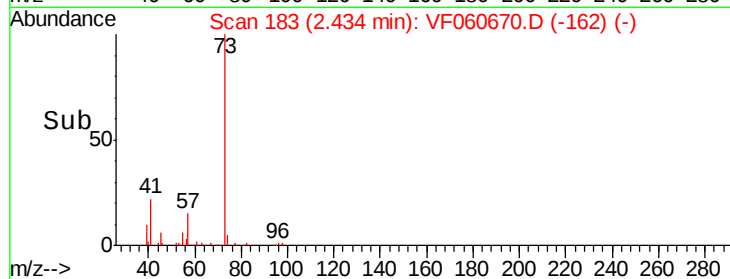
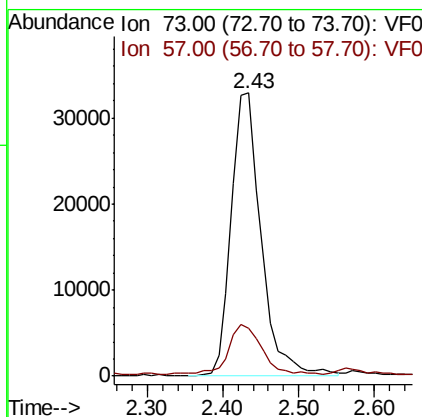
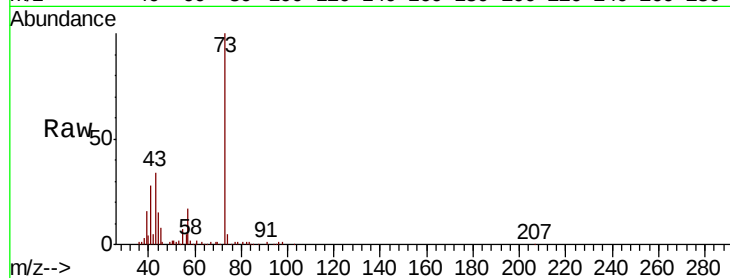
Methyl tert-butyl Ether
 Concen: 21.782 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF060670.D
 Acq: 9 Nov 2018 13:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1109SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.7	15.4	23.0

Manual Integrations
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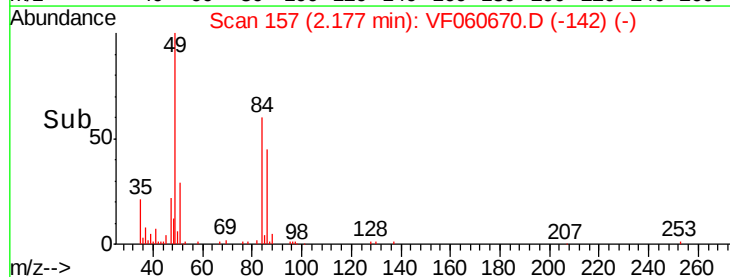
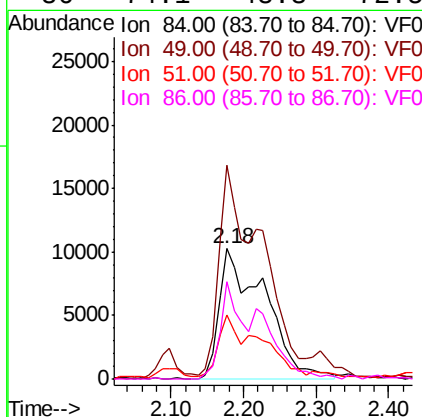
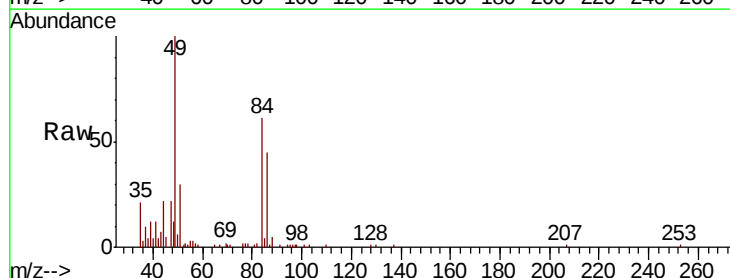
apatel
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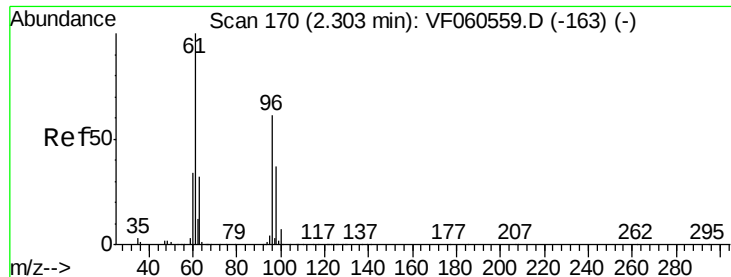


#20

Methylene Chloride
 Concen: 23.174 ug/l m
 RT: 2.18 min Scan# 157
 Delta R.T. -0.06 min
 Lab File: VF060670.D
 Acq: 9 Nov 2018 13:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	163.6	109.9	164.9
51	49.5	35.8	53.8
86	74.1	48.3	72.5





#21

trans-1,2-Dichloroethene

Concen: 22.579 ug/l

RT: 2.31 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1109SBS01

Tot Ion: 96 Resp: 41969

Ion Ratio Lower Upper

96 100

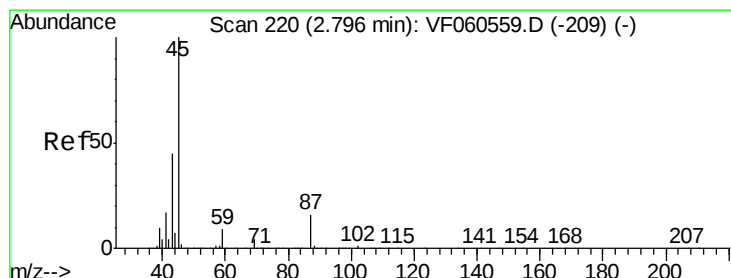
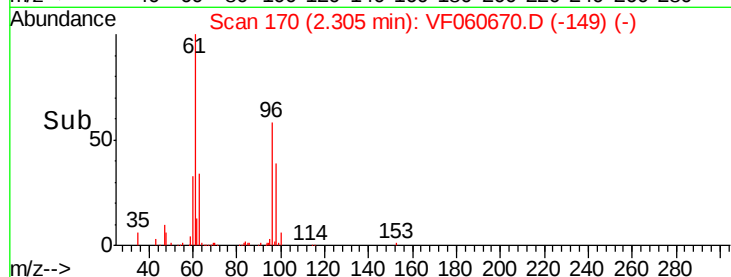
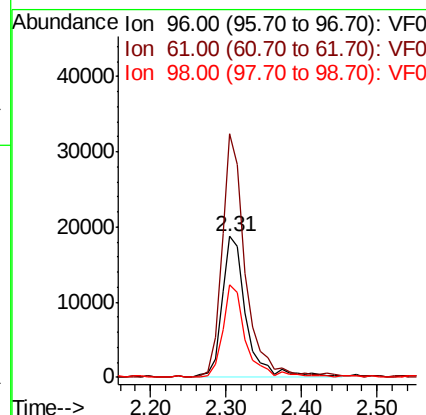
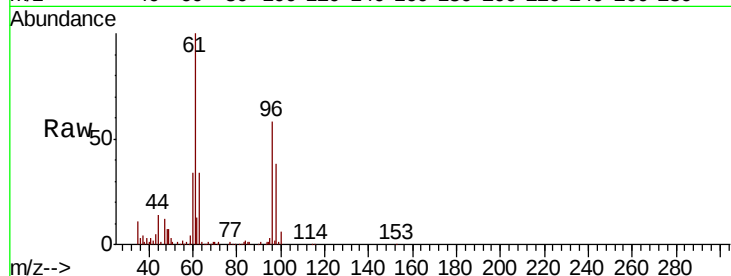
61 172.9 131.3 196.9

98 65.6 48.6 73.0

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#22

Diisopropyl ether

Concen: 22.441 ug/l

RT: 2.80 min Scan# 220

Delta R.T. 0.00 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Tgt Ion: 45 Resp: 137548

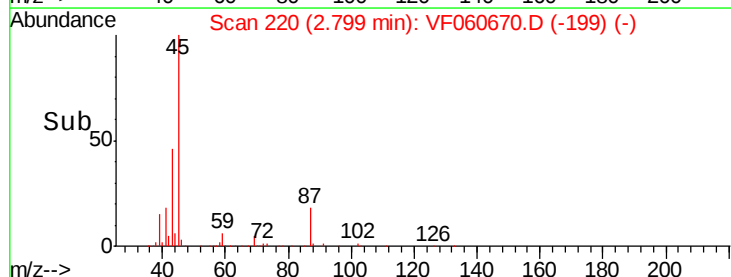
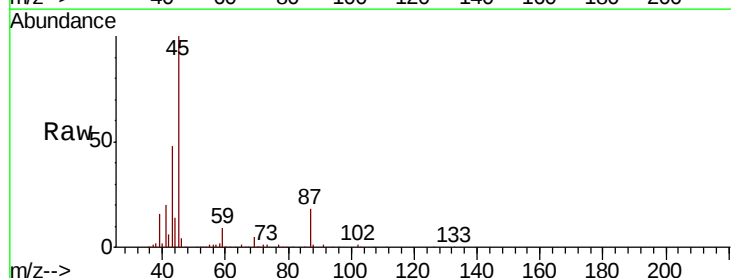
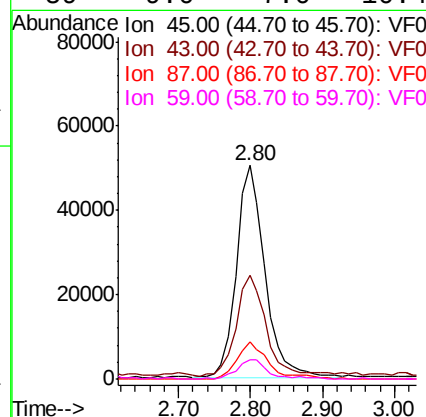
Ion Ratio Lower Upper

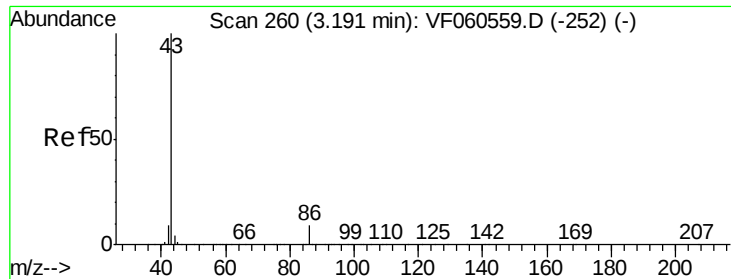
45 100

43 48.4 38.1 57.1

87 17.7 12.7 19.1

59 9.0 7.0 10.4





#23

Vinyl Acetate

Concen: 101.744 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1109SBS01

Tot Ion: 43 Resp: 374692

Ion Ratio Lower Upper

43 100

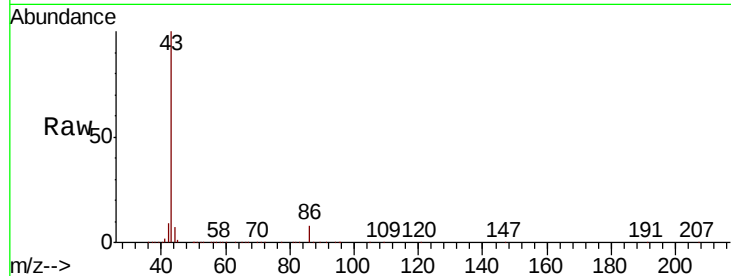
86 8.0 7.1 10.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

150000

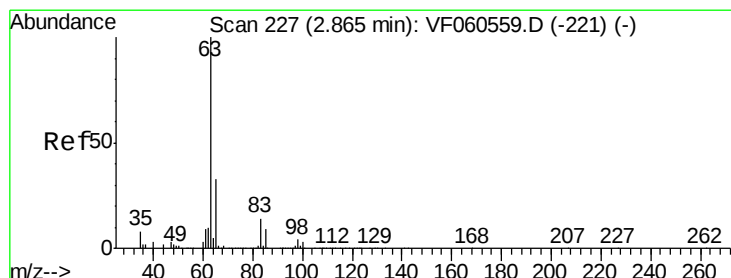
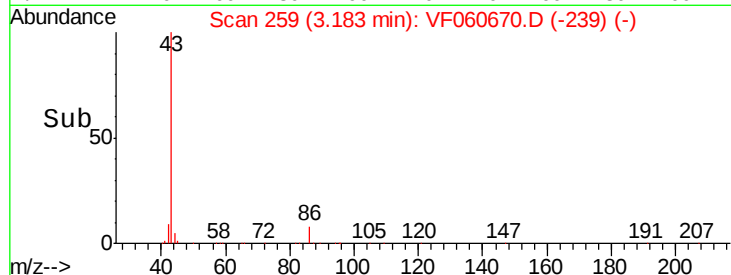
100000

50000

0

3.10 3.20 3.30 3.40

Time-->



#24

1,1-Dichloroethane

Concen: 23.811 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.00 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

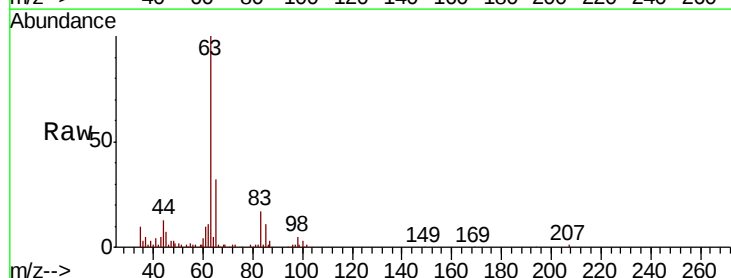
Tgt Ion: 63 Resp: 84465

Ion Ratio Lower Upper

63 100

98 4.9 2.2 6.6

100 3.4 1.4 4.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

40000

30000

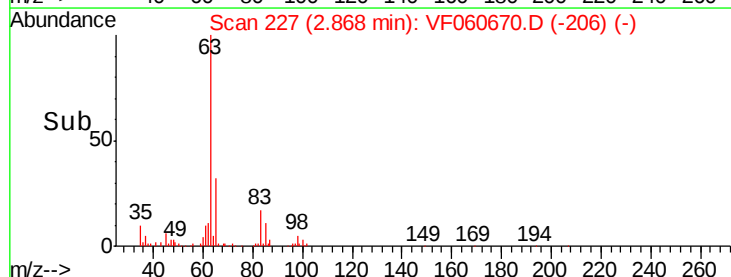
20000

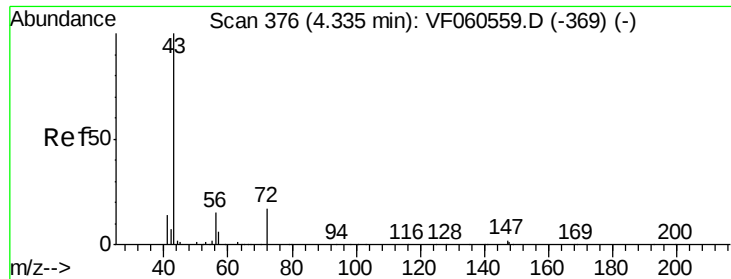
10000

0

2.70 2.80 2.90 3.00

Time-->





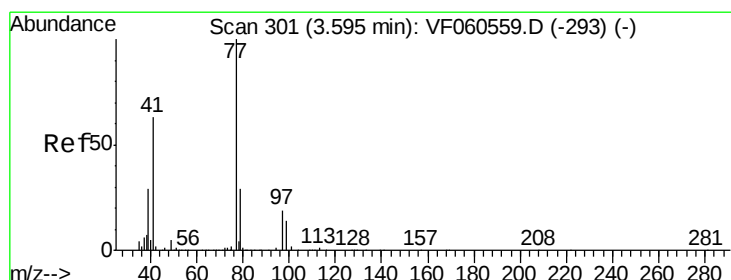
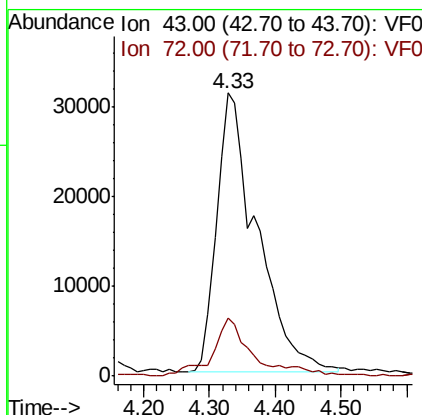
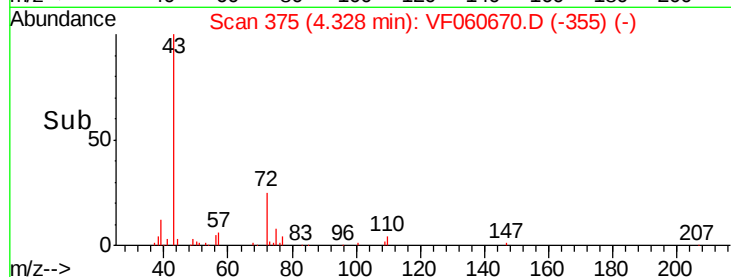
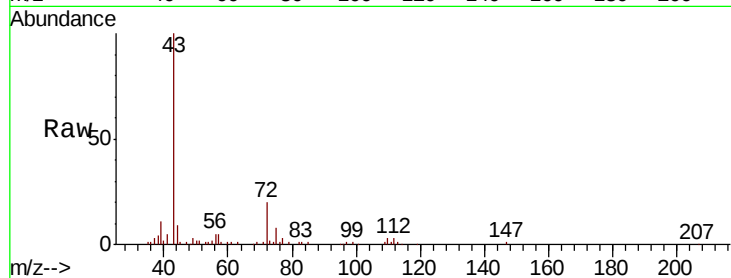
#25
2-Butanone
Concen: 100.806 ug/l
RT: 4.33 min Scan# 375
Delta R.T. -0.01 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1109SBS01

Tot Ion: 43 Resp: 130983
Ion Ratio Lower Upper
43 100
72 20.4 16.2 24.2

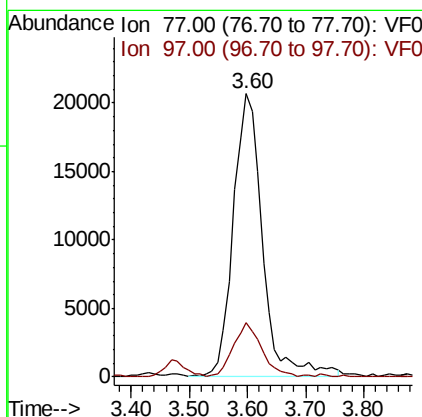
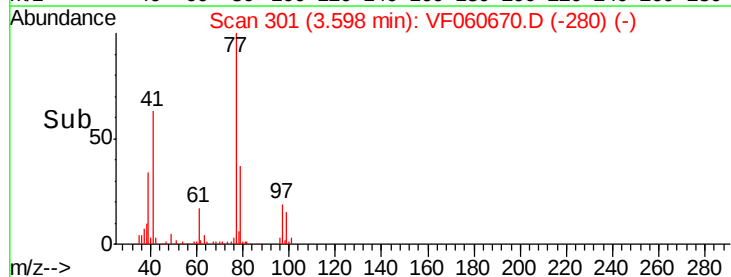
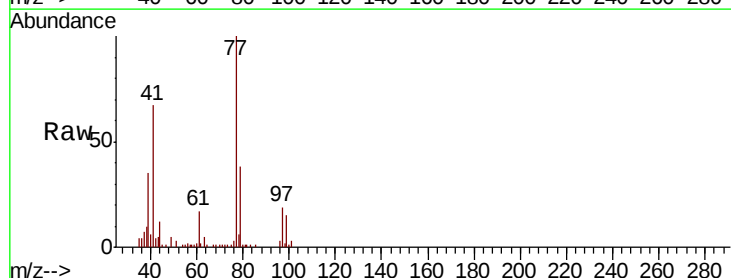
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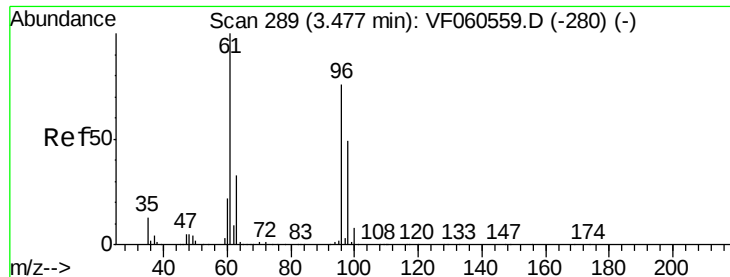
apatel
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#26
2,2-Dichloropropane
Concen: 27.329 ug/l
RT: 3.60 min Scan# 301
Delta R.T. 0.00 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Tgt Ion: 77 Resp: 72538
Ion Ratio Lower Upper
77 100
97 19.0 9.8 29.3





#27

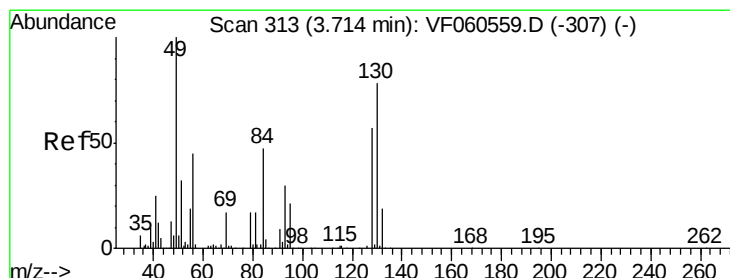
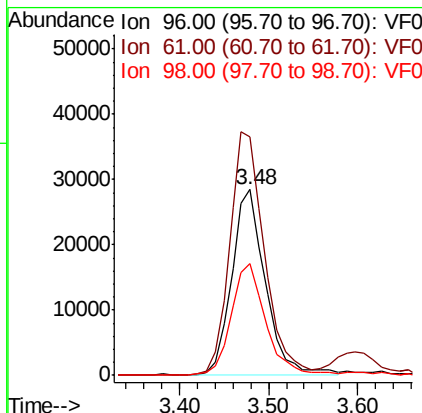
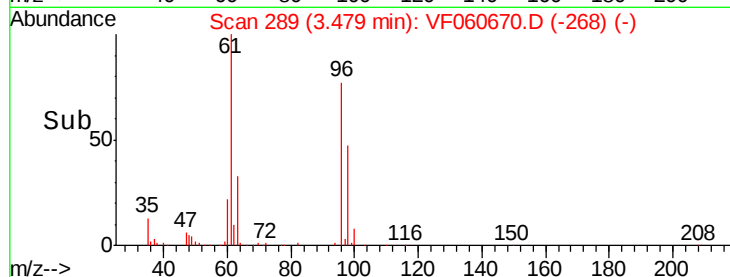
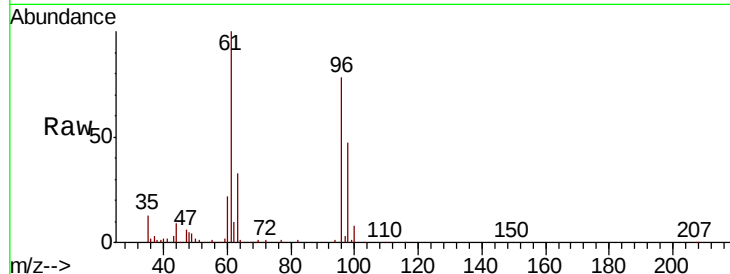
cis-1,2-Dichloroethene
Concen: 21.220 ug/l
RT: 3.48 min Scan# 289
Delta R.T. 0.00 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1109SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.8	0.0	263.0
98	60.3	0.0	130.6

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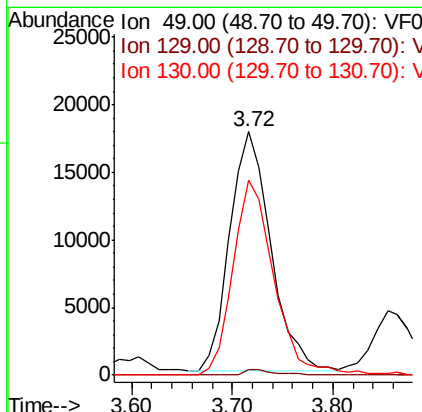
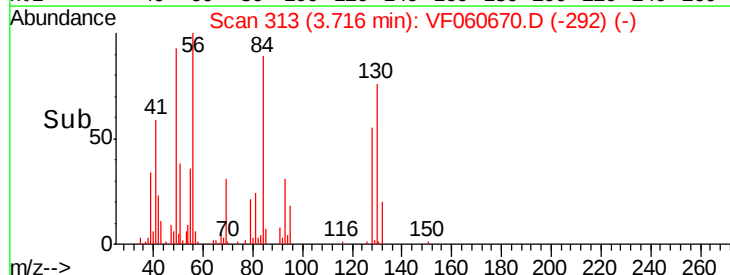
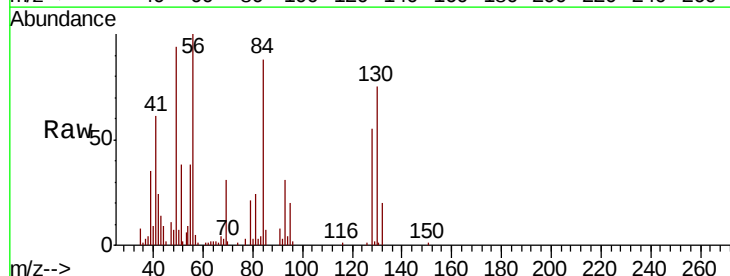
apatel
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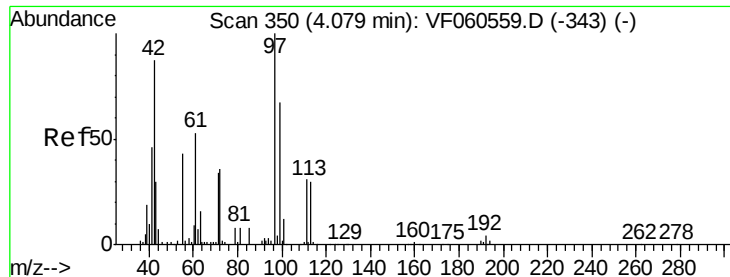


#28

Bromochloromethane
Concen: 22.538 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.00 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	80.3	61.8	92.8





#29

Tetrahydrofuran

Concen: 91.069 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.01 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Instrument :

MSVOA_F

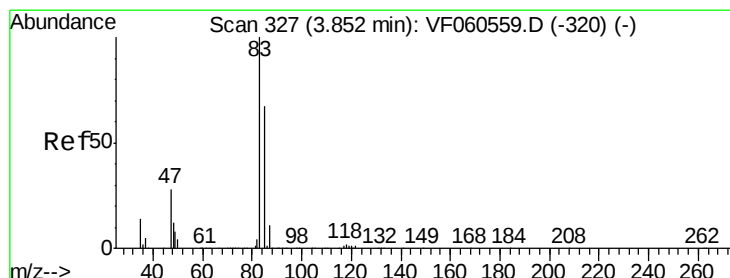
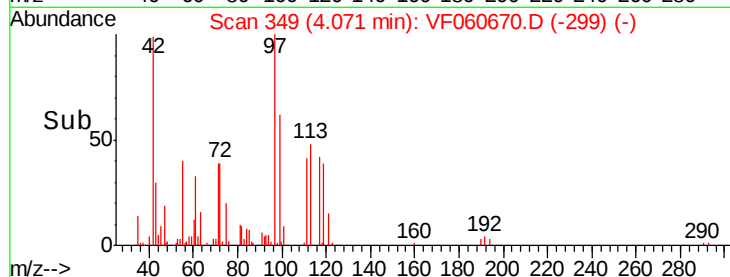
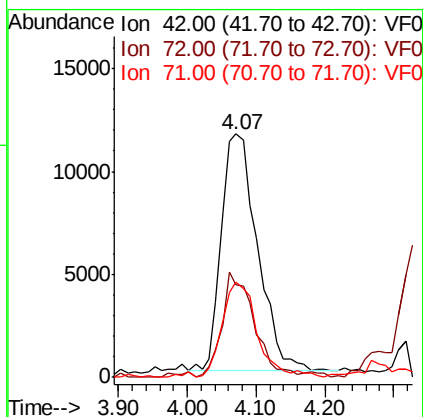
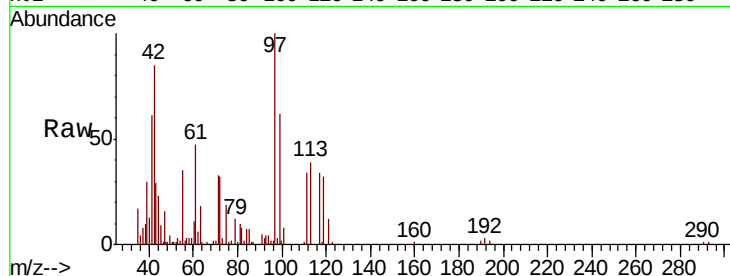
ClientSampleId :

VF1109SBS01

Tot Ion:	42	Resp:	42146
Ion	Ratio	Lower	Upper
42	100		
72	39.1	31.4	47.0
71	38.9	31.8	47.6

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#30

Chloroform

Concen: 24.018 ug/l

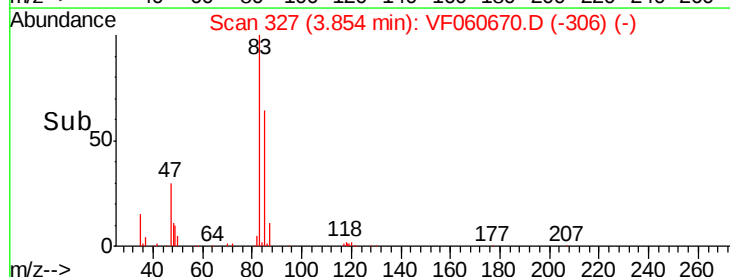
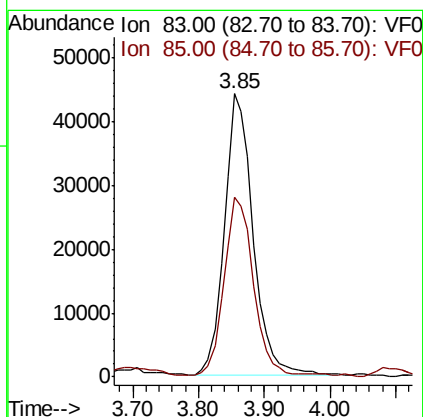
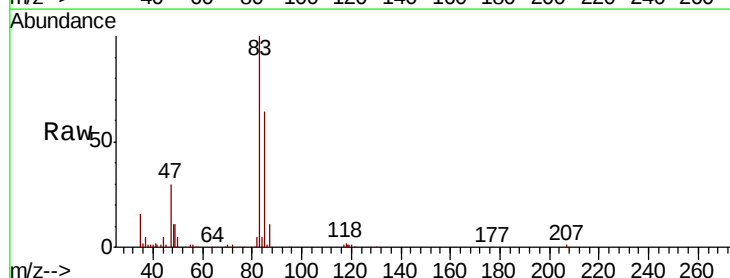
RT: 3.85 min Scan# 327

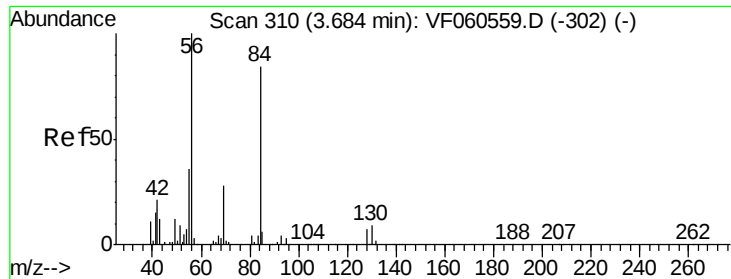
Delta R.T. 0.00 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Tgt Ion:	83	Resp:	134794
Ion	Ratio	Lower	Upper
83	100		
85	63.7	53.7	80.5





#31

Cyclohexane

Concen: 23.801 ug/l

RT: 3.70 min Scan# 311

Delta R.T. 0.01 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Instrument :

MSVOA_F

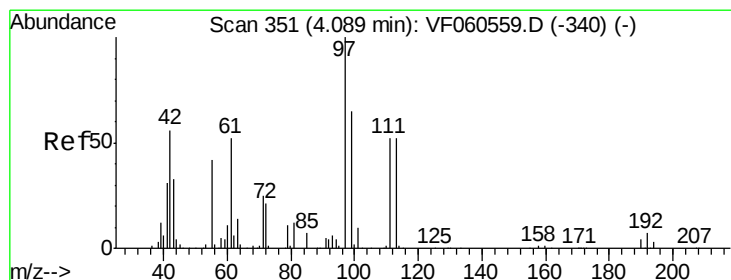
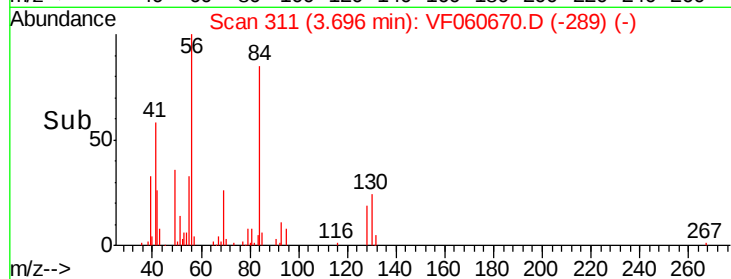
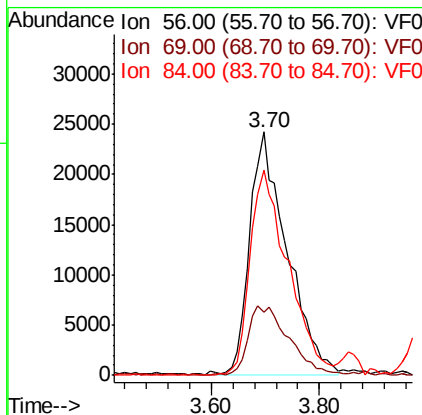
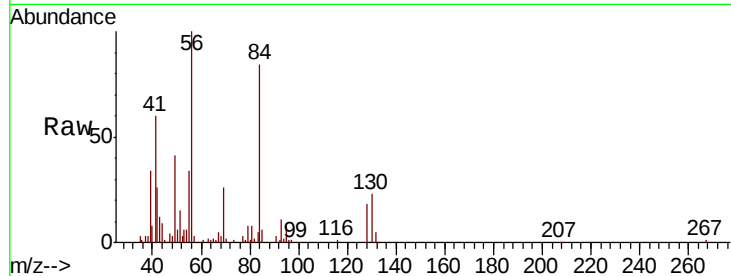
ClientSampleId :

VF1109SBS01

Tot Ion:	56	Resp:	116511
Ion Ratio	Lower	Upper	
56	100		
69	26.1	23.0	34.4
84	84.2	67.1	100.7

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#32

1,1,1-Trichloroethane

Concen: 27.233 ug/l

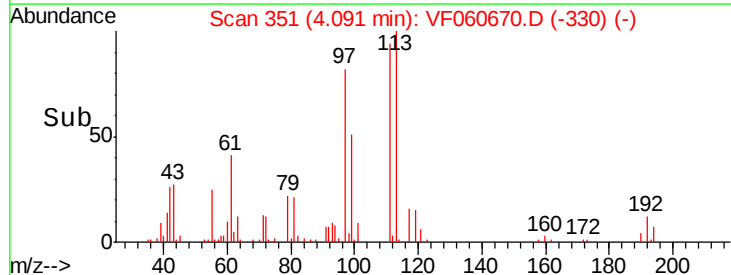
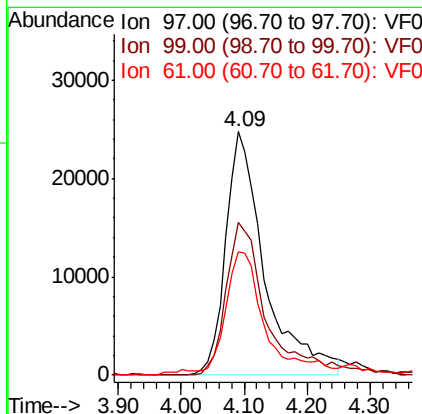
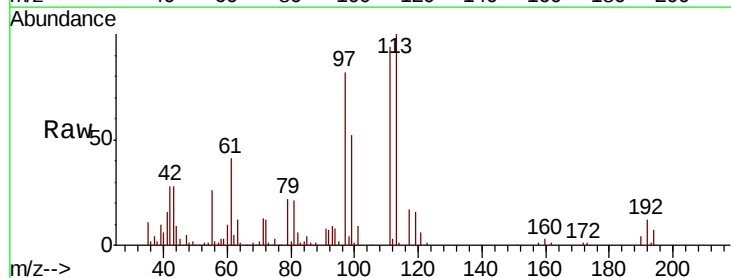
RT: 4.09 min Scan# 351

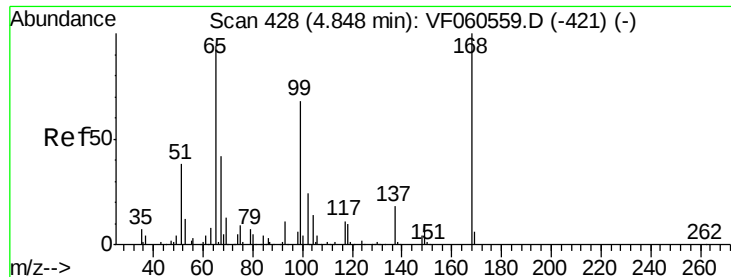
Delta R.T. 0.00 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Tgt Ion:	97	Resp:	106742
Ion Ratio	Lower	Upper	
97	100		
99	62.8	52.4	78.6
61	50.4	41.5	62.3





#33

1,2-Dichloroethane-d4

Concen: 57.294 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.01 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1109SBS01

Tot Ion: 65 Resp: 141177

Ion Ratio Lower Upper

65 100

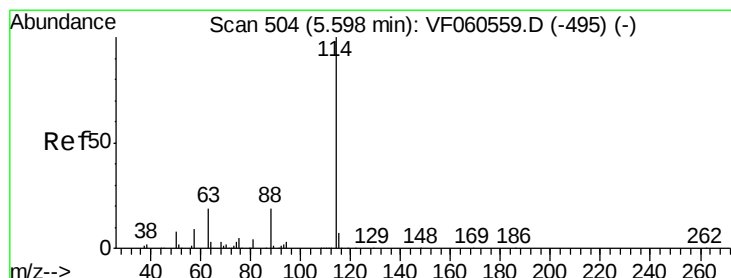
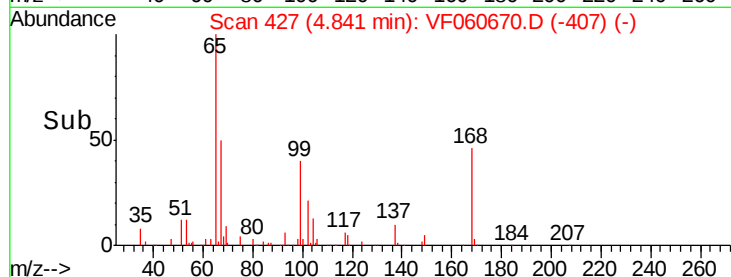
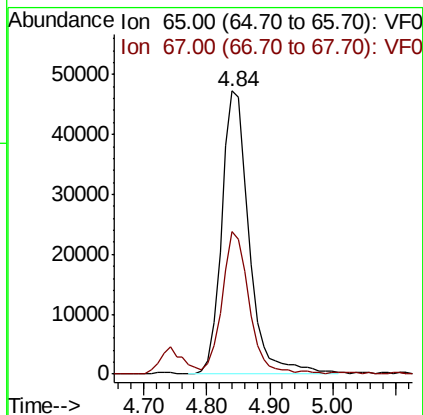
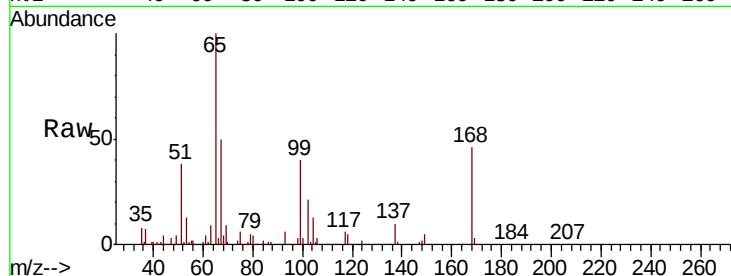
67 50.2 0.0 101.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.00 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

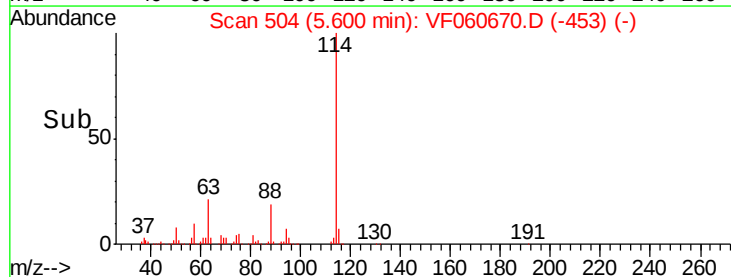
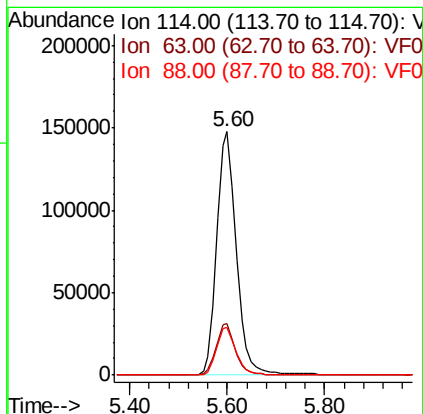
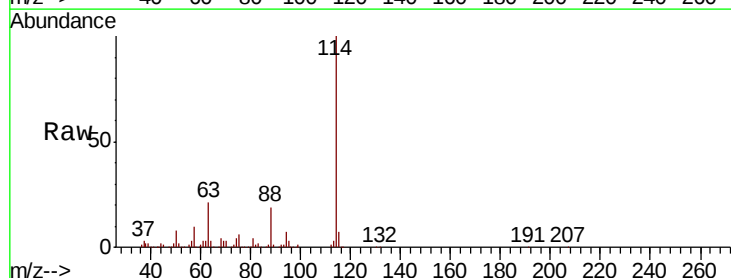
Tgt Ion: 114 Resp: 416823

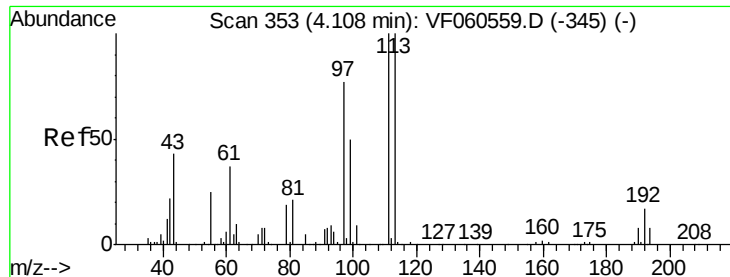
Ion Ratio Lower Upper

114 100

63 21.3 0.0 39.0

88 19.4 0.0 38.2





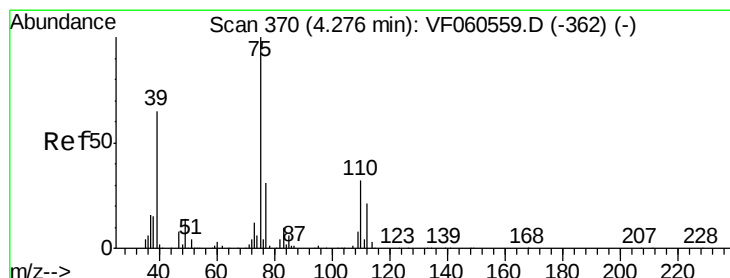
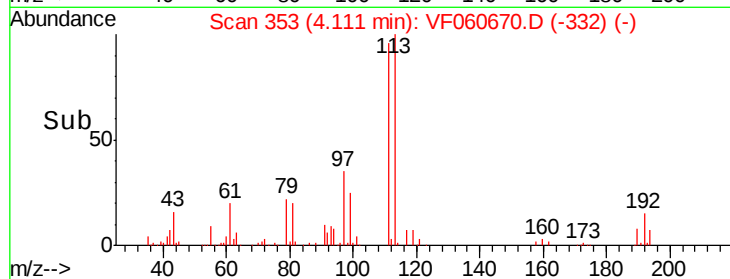
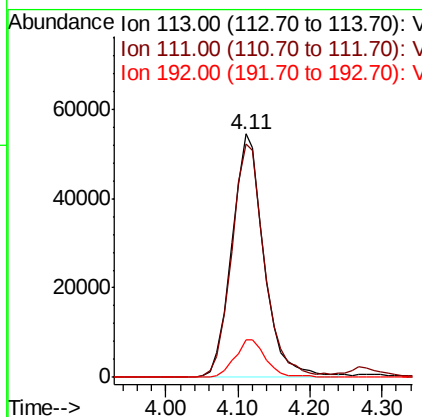
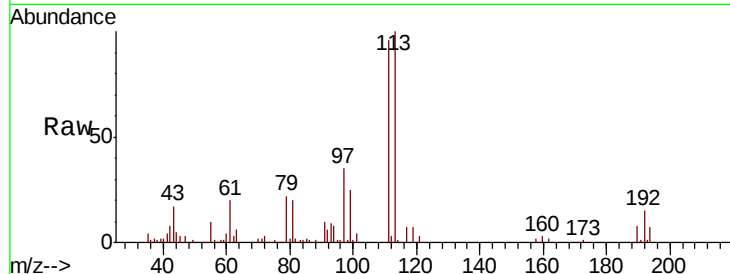
#35
Dibromofluoromethane
Concen: 52.386 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.00 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1109SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	96.0	79.9	119.9
192	15.4	13.3	19.9

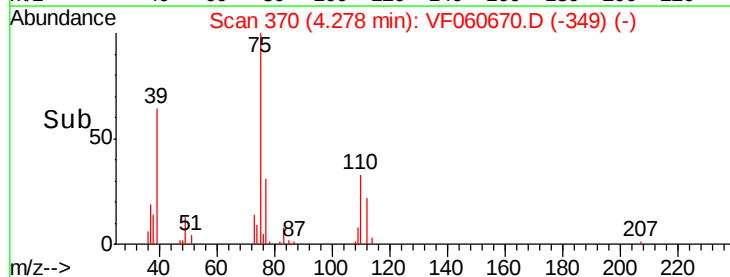
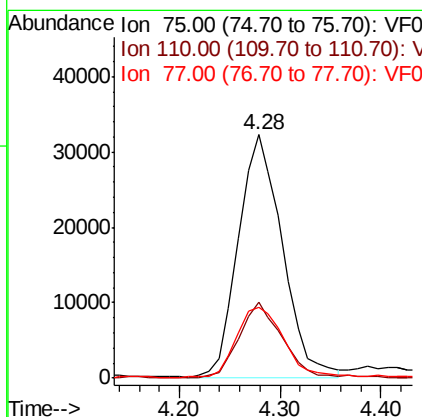
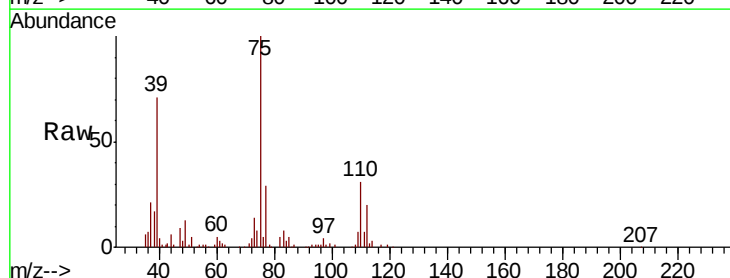
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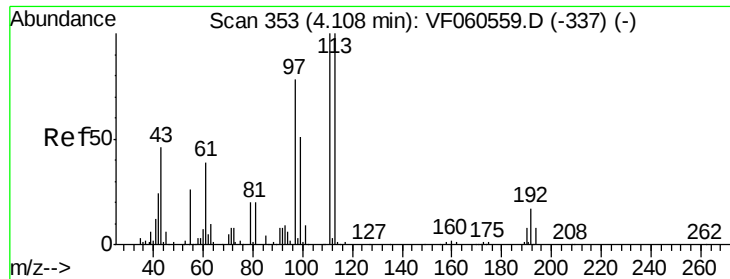
apatel
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#36
1,1-Dichloropropene
Concen: 21.288 ug/l
RT: 4.28 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.2	16.2	48.6
77	29.3	25.0	37.6





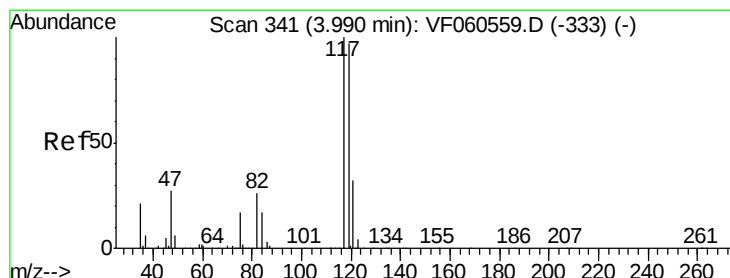
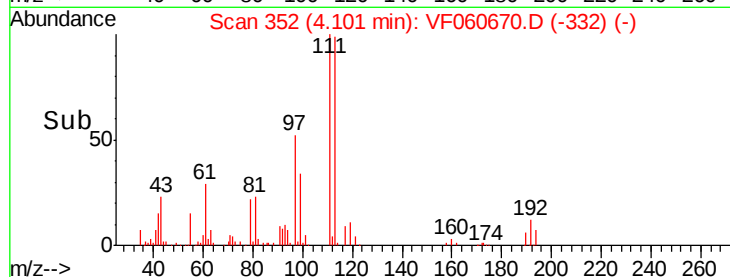
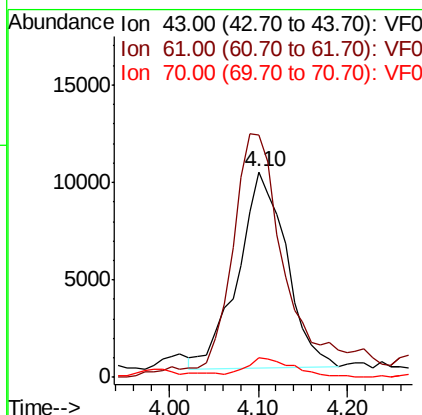
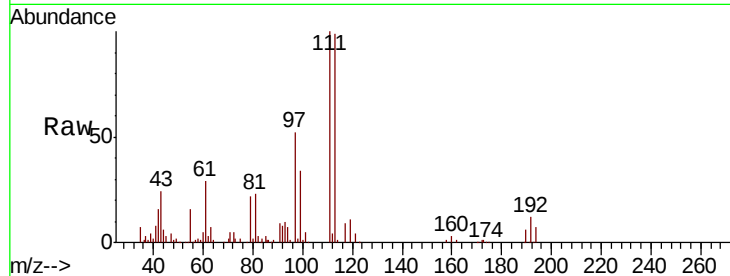
#37
Ethyl Acetate
Concen: 17.250 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1109SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper
38005	100	117.9	9.3			
		63.4	9.3			
		95.2#	13.9#			

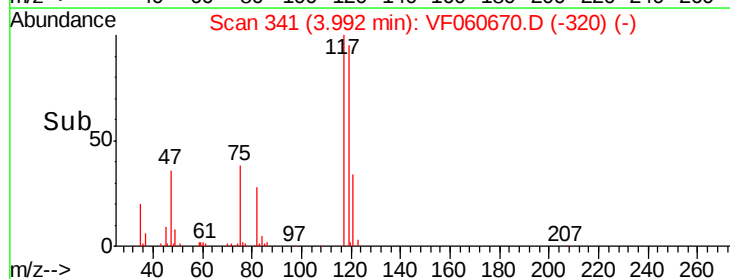
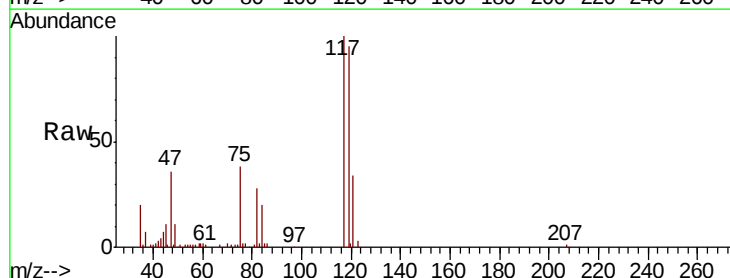
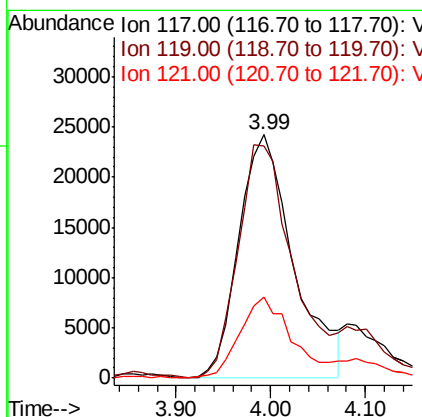
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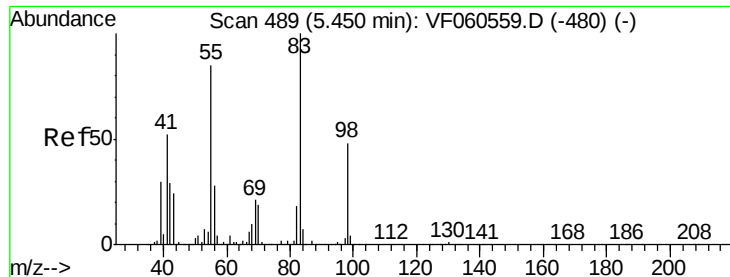
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#38
Carbon Tetrachloride
Concen: 24.984 ug/l
RT: 3.99 min Scan# 341
Delta R.T. 0.00 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Tgt Ion	117	119	121	Ratio	Lower	Upper
97979	100	95.3	33.5			
		77.8	25.6			
		116.6	38.4			





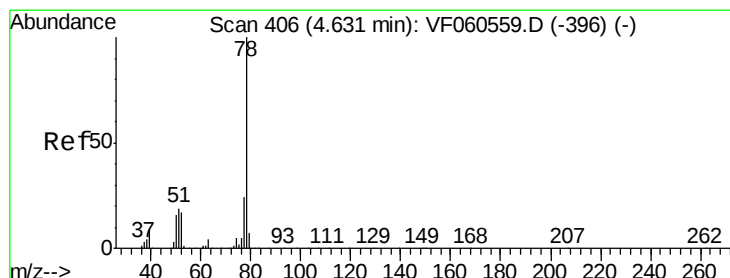
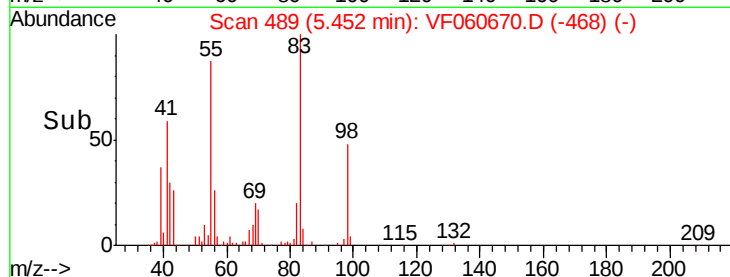
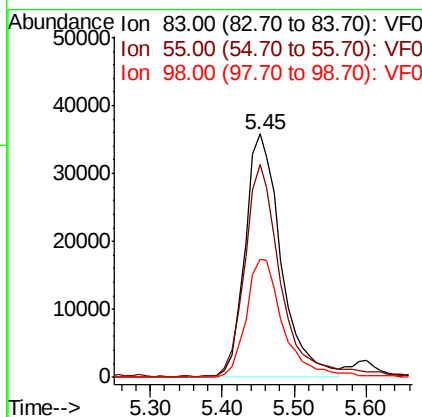
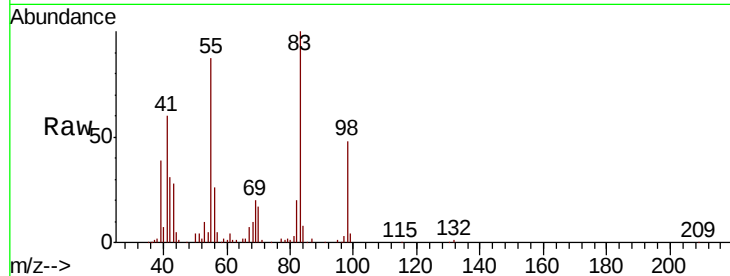
#39
Methvlcvclohexane
Concen: 22.247 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.00 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1109SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	87.3	69.1	103.7	
98	48.3	38.6	57.8	

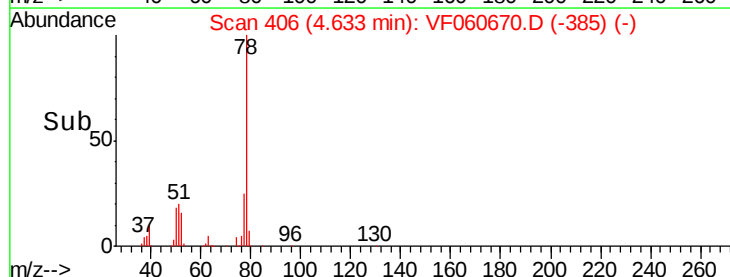
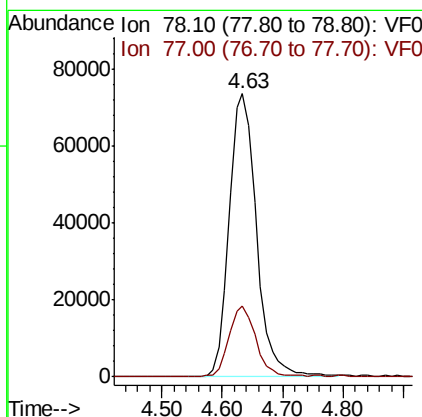
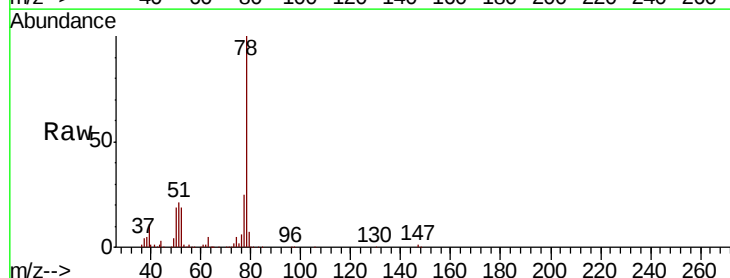
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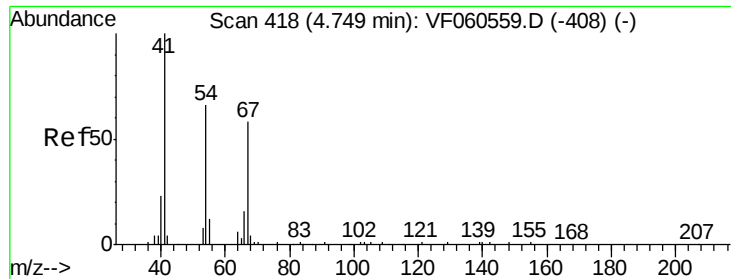
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#40
Benzene
Concen: 20.746 ug/l
RT: 4.63 min Scan# 406
Delta R.T. 0.00 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	25.2	19.3	28.9	





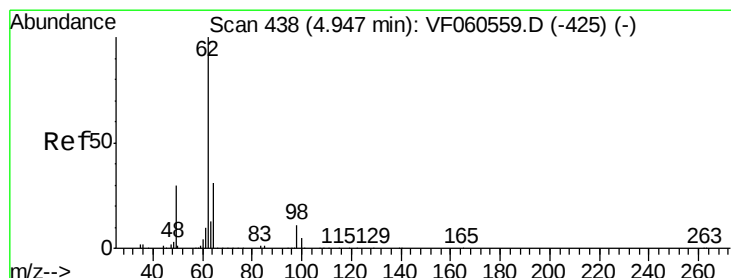
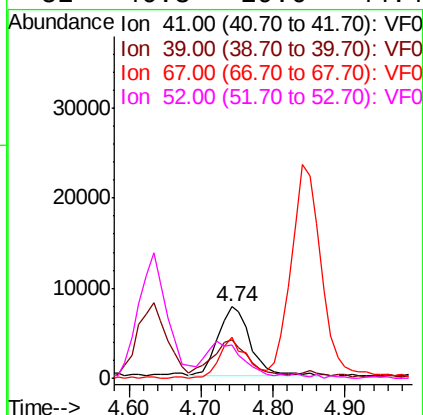
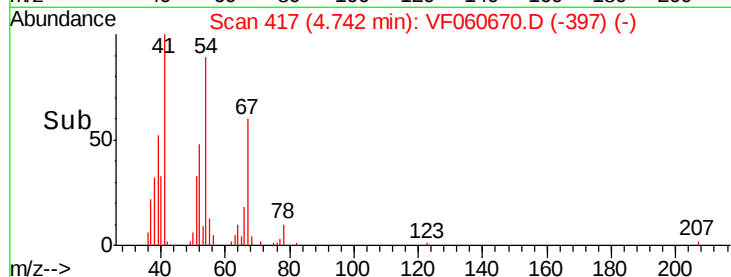
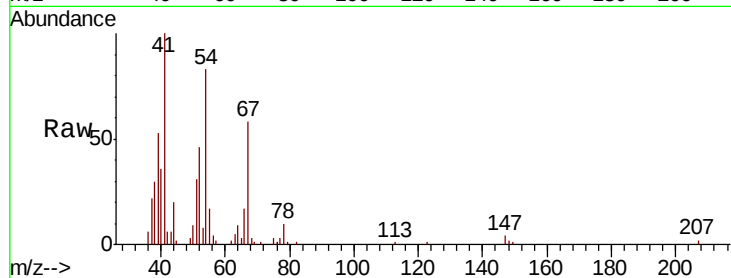
#41
Methacrylonitrile
Concen: 18.750 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.01 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1109SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.3	45.6	68.4
67	58.2	45.3	67.9
52	46.3	29.6	44.4

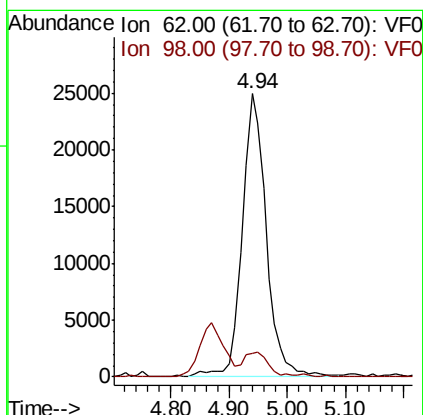
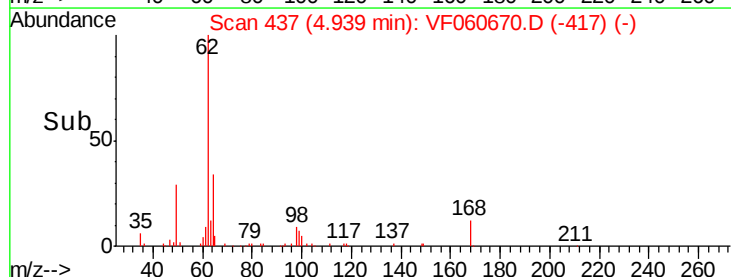
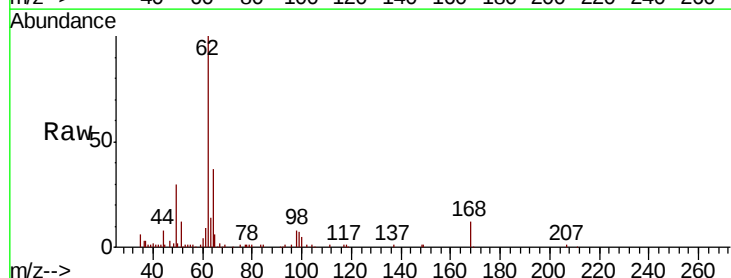
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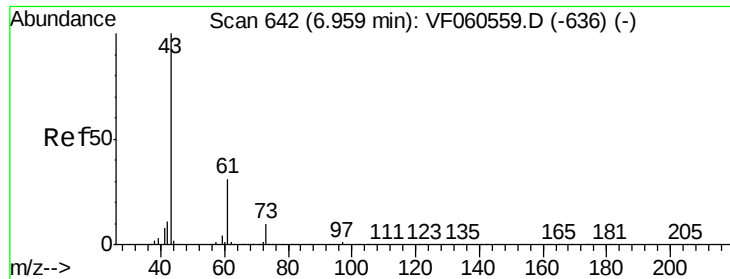
apatel
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#42
1,2-Dichloroethane
Concen: 22.621 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.01 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	22.4





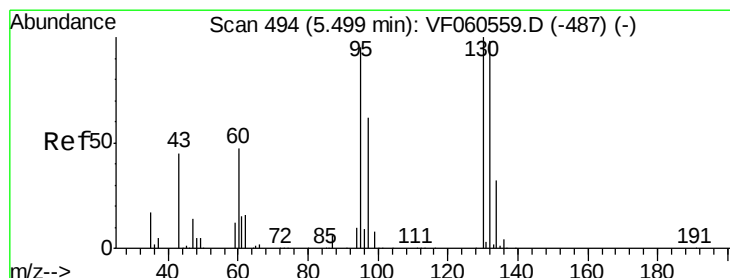
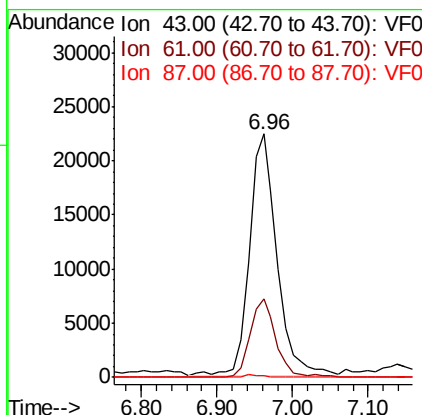
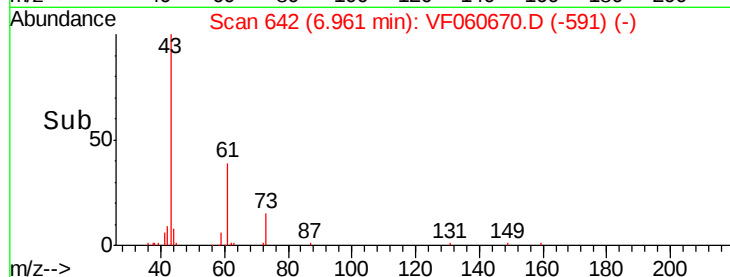
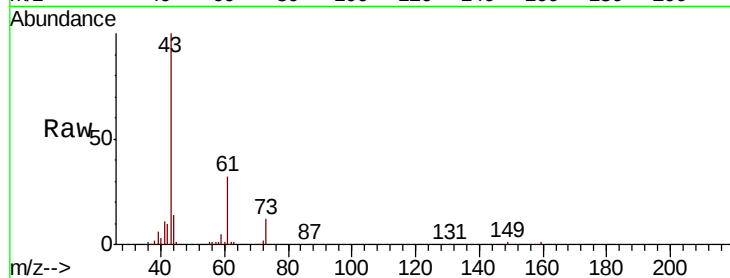
#43
Isopropyl Acetate
Concen: 20.000 ug/l
RT: 6.96 min Scan# 642
Delta R.T. 0.00 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1109SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.3	24.2	36.2
87	0.5	0.2	0.4

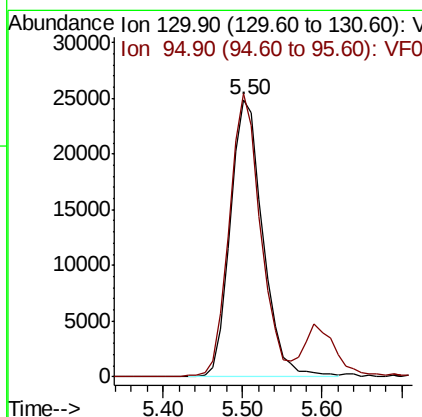
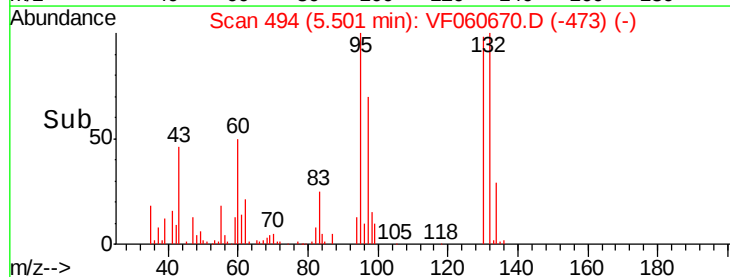
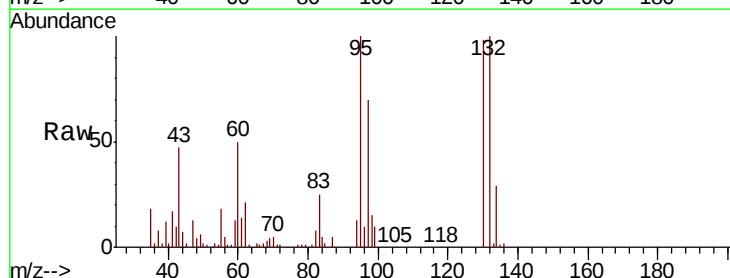
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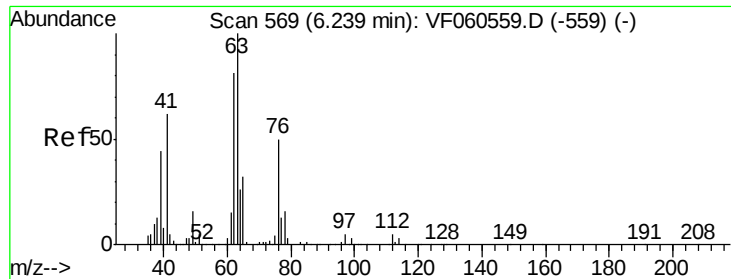
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#44
Trichloroethene
Concen: 21.187 ug/l
RT: 5.50 min Scan# 494
Delta R.T. 0.00 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	191.0





#45

1,2-Dichloropropane

Concen: 21.316 ug/l

RT: 6.24 min Scan# 569

Delta R.T. 0.00 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1109SBSD01

Tot Ion: 63 Resp: 60733

Ion Ratio Lower Upper

63 100

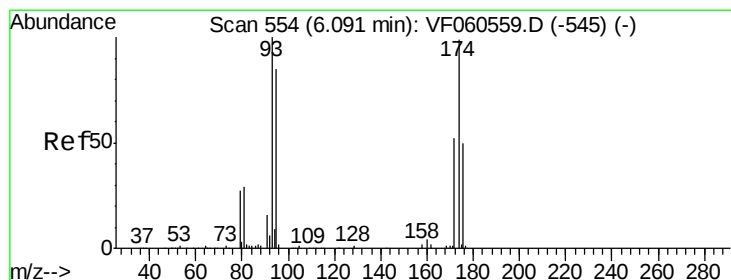
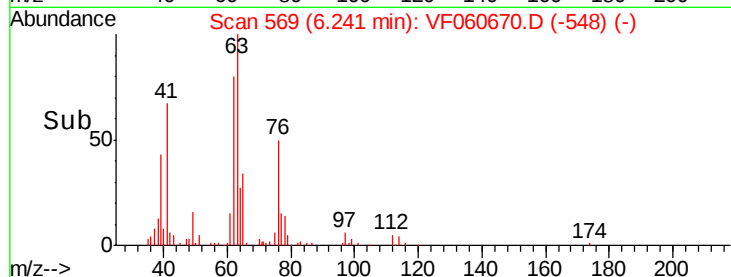
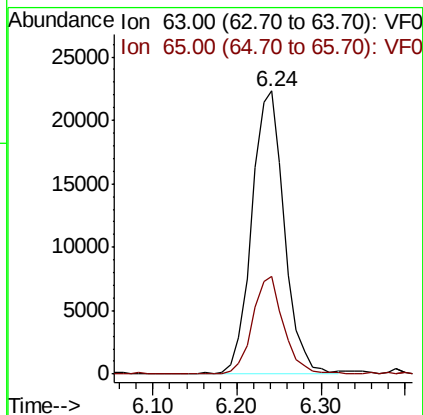
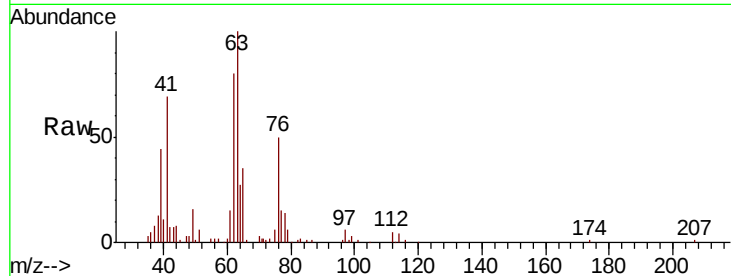
65 34.7 25.4 38.0

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#46

Dibromomethane

Concen: 20.816 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.01 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

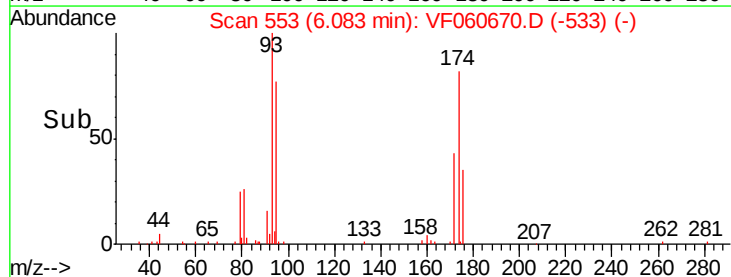
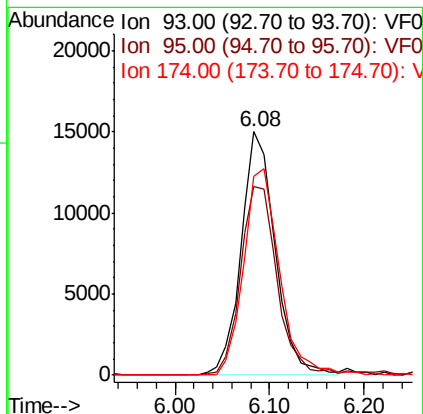
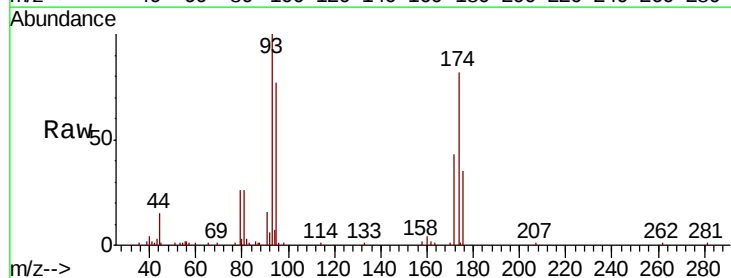
Tgt Ion: 93 Resp: 37626

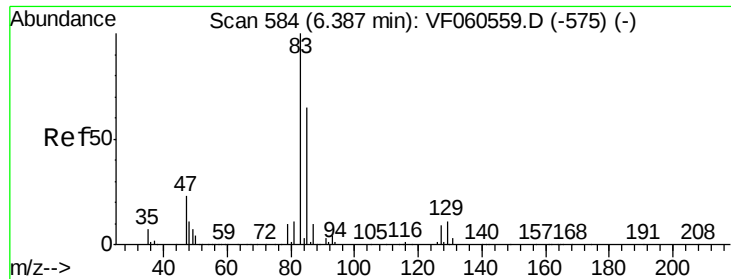
Ion Ratio Lower Upper

93 100

95 77.3 68.6 102.8

174 82.9 79.0 118.4





#47

Bromodichloromethane

Concen: 21.868 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.00 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Instrument :

MSVOA_F

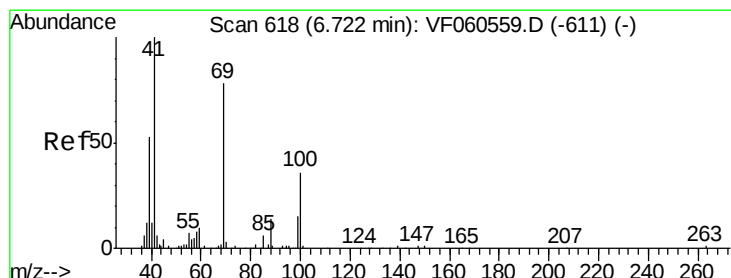
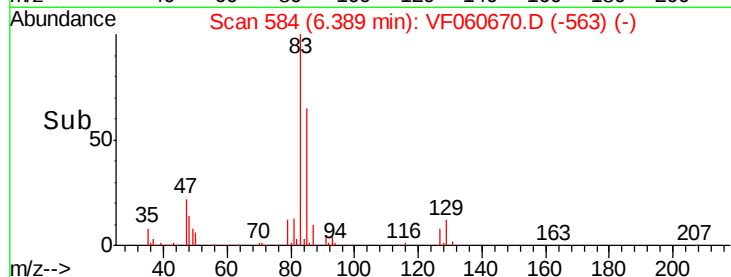
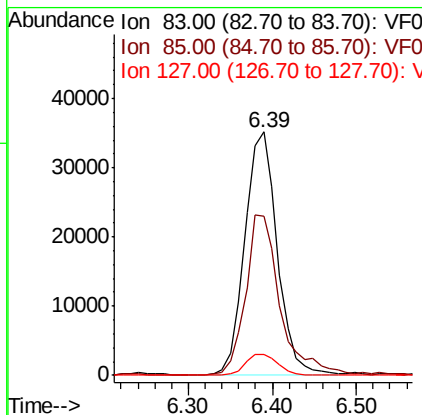
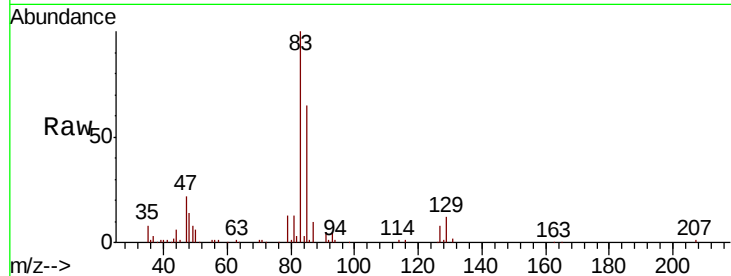
ClientSampleId :

VF1109SBS01

Tot Ion:	83	Resp:	95339
Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.6
127	8.4	7.0	10.4

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#48

Methyl methacrylate

Concen: 18.747 ug/l

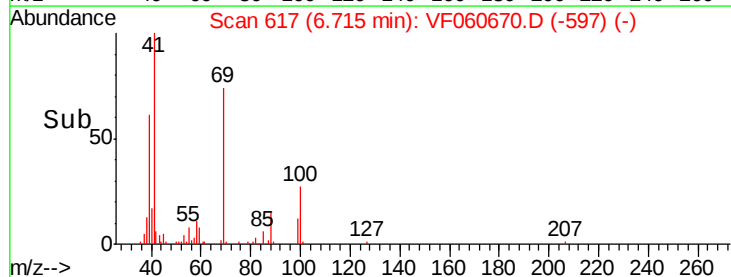
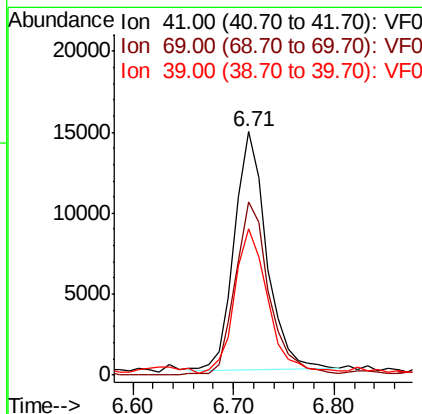
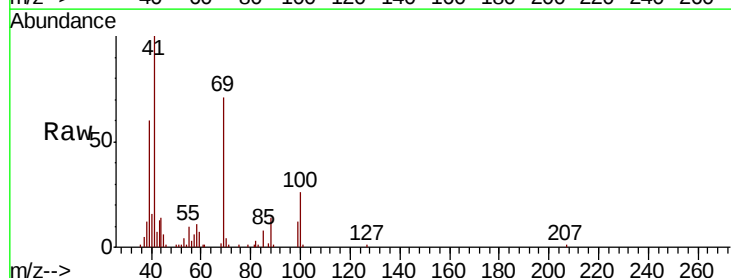
RT: 6.71 min Scan# 617

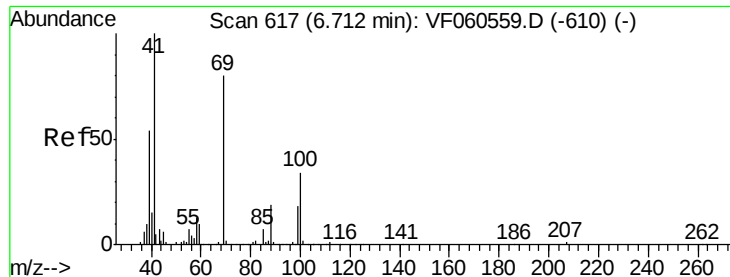
Delta R.T. -0.01 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Tgt Ion:	41	Resp:	32835
Ion	Ratio	Lower	Upper
41	100		
69	71.0	61.1	91.7
39	60.0	43.0	64.6





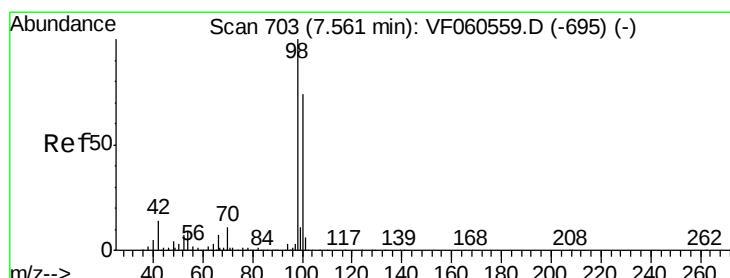
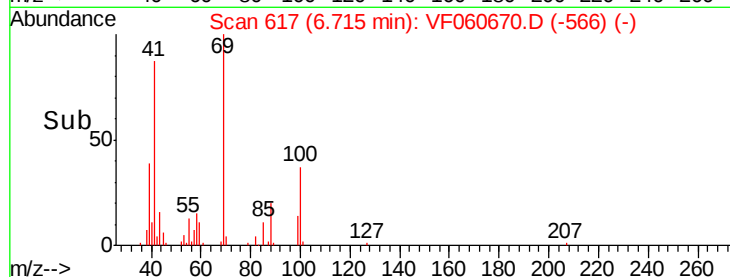
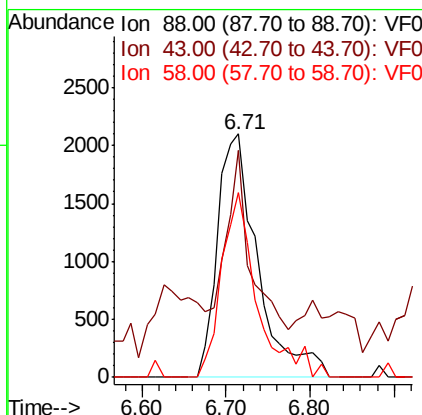
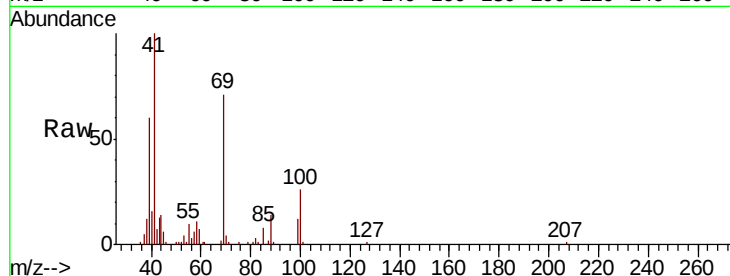
#49
1,4-Dioxane
Concen: 379.109 ug/l
RT: 6.71 min Scan# 617
Delta R.T. 0.00 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1109SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	93.1	61.2	91.8#
58	75.6	56.9	85.3

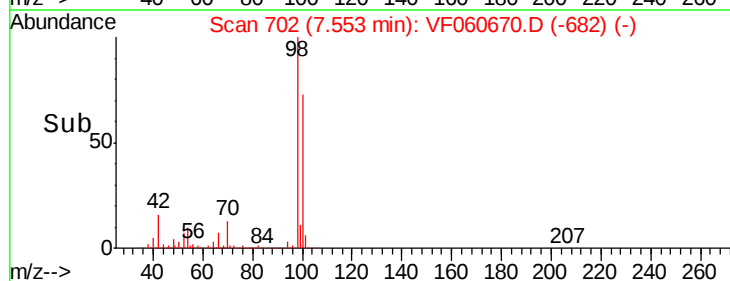
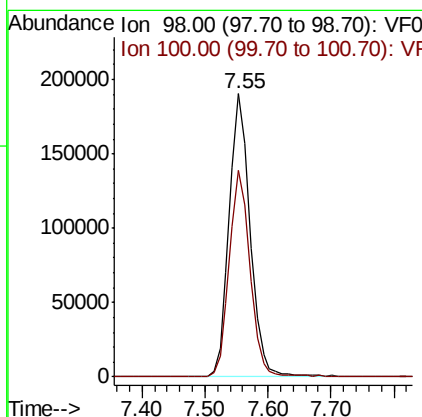
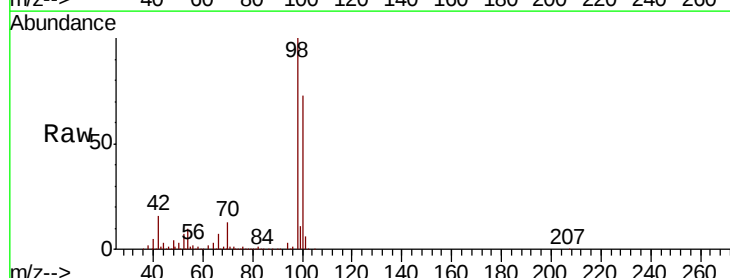
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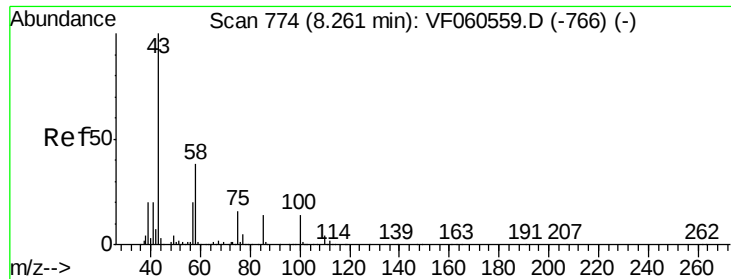
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#50
Toluene-d8
Concen: 46.117 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	72.9	59.4	89.2





#51

4-Methyl-2-Pentanone

Concen: 105.526 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1109SBS01

Tot Ion: 43 Resp: 197757

Ion Ratio Lower Upper

43 100

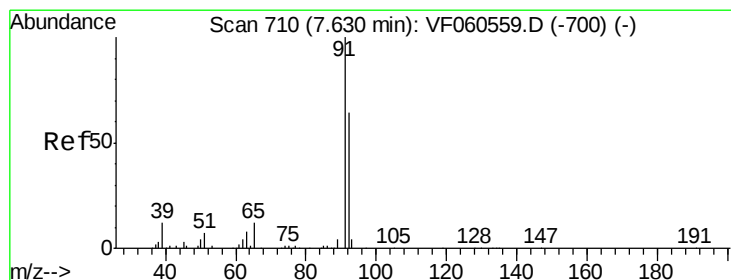
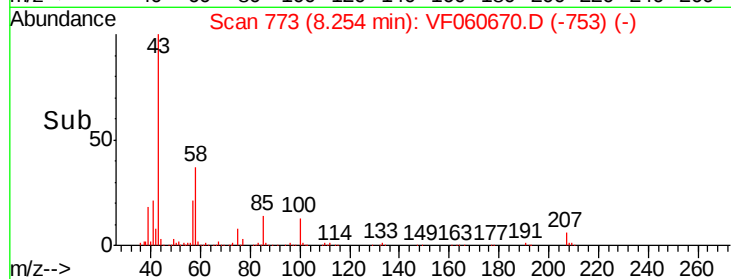
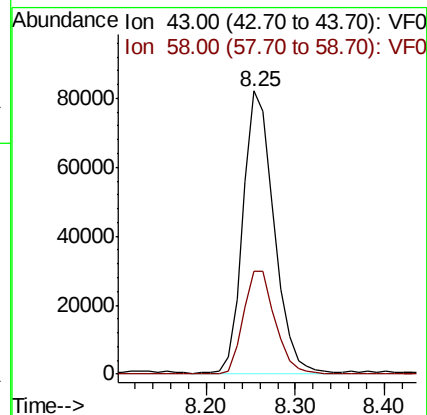
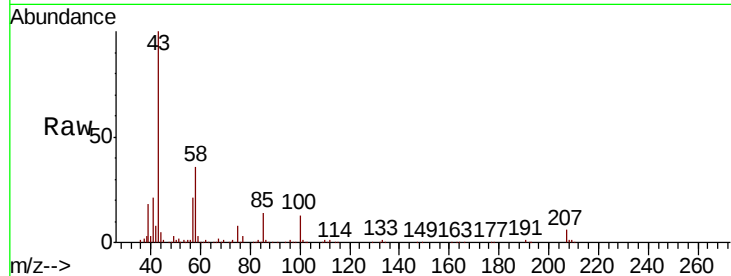
58 36.5 30.1 45.1

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#52

Toluene

Concen: 19.990 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.01 min

Lab File: VF060670.D

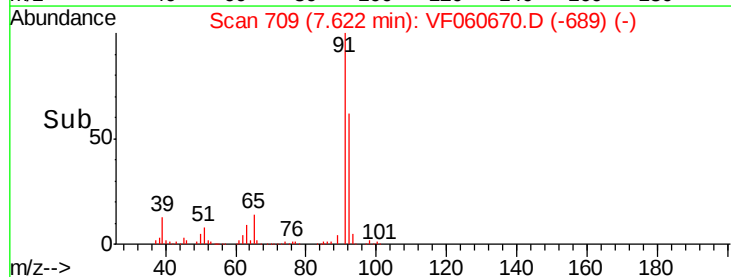
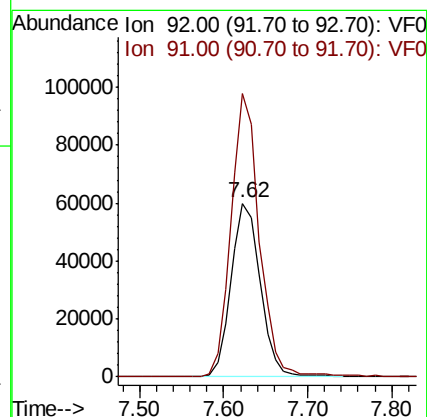
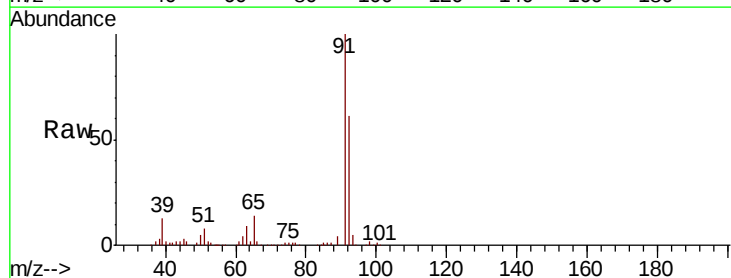
Acq: 9 Nov 2018 13:49

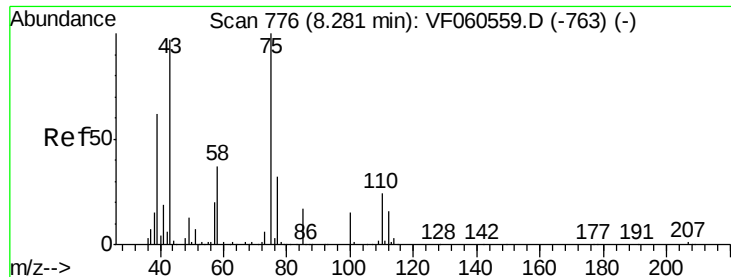
Tgt Ion: 92 Resp: 145068

Ion Ratio Lower Upper

92 100

91 163.2 124.5 186.7





#53

t-1,3-Dichloropropene

Concen: 20.363 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.01 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1109SBSD01

Tot Ion: 75 Resp: 77161

Ion Ratio Lower Upper

75 100

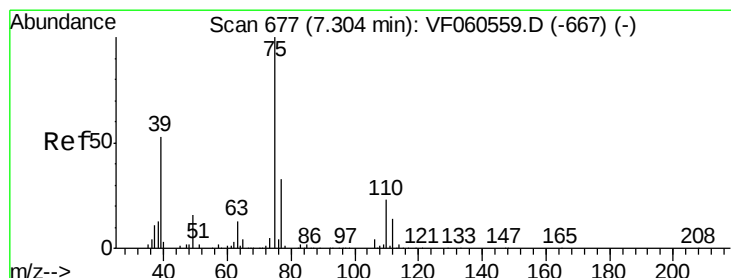
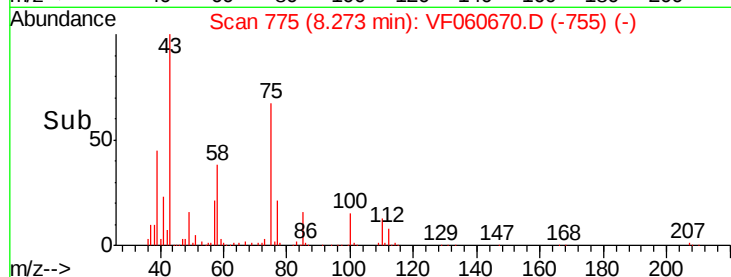
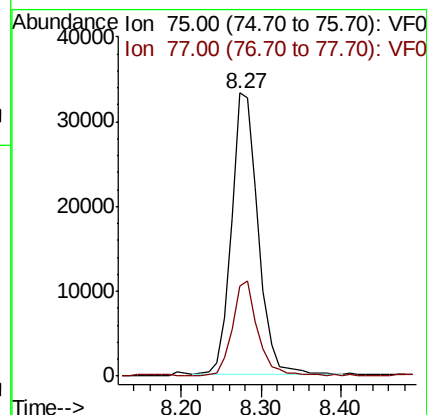
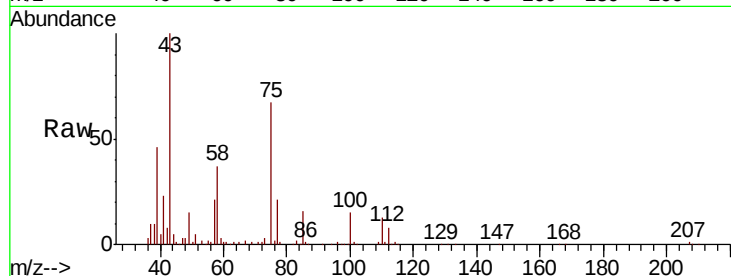
77 31.8 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 20.719 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

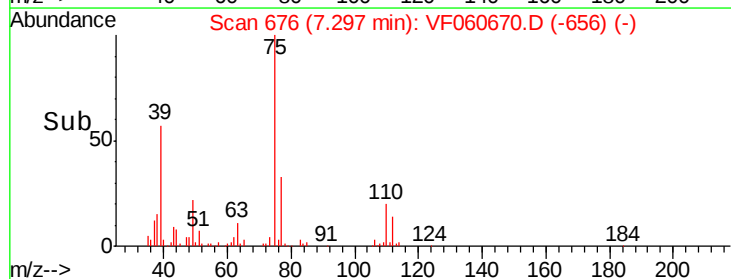
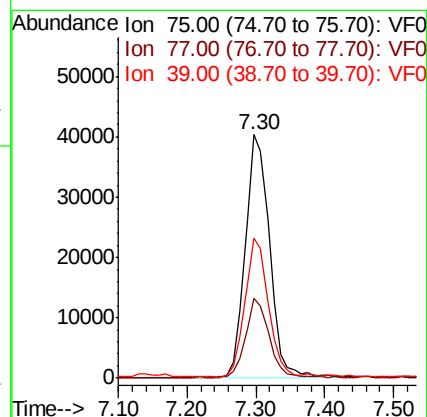
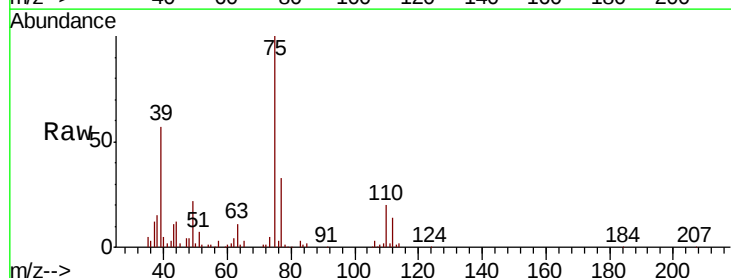
Tgt Ion: 75 Resp: 99196

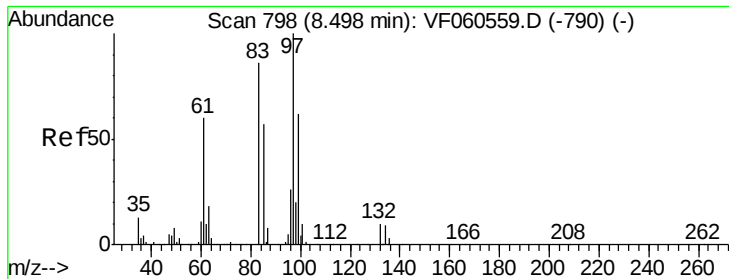
Ion Ratio Lower Upper

75 100

77 33.0 26.7 40.1

39 57.4 43.0 64.4





#55

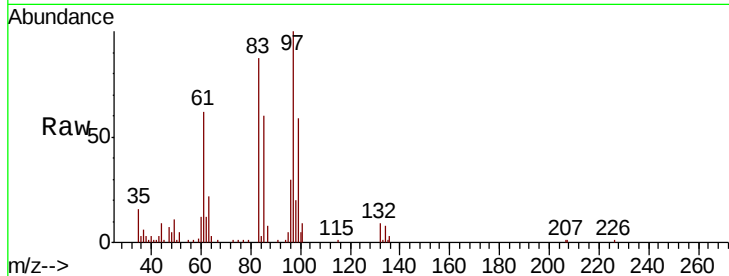
1,1,2-Trichloroethane
Concen: 19.748 ug/l
RT: 8.49 min Scan# 797
Delta R.T. -0.01 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1109SBS01

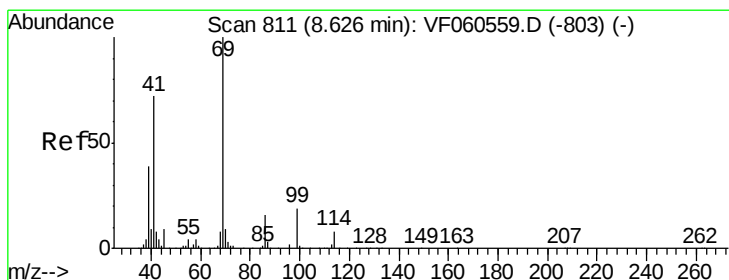
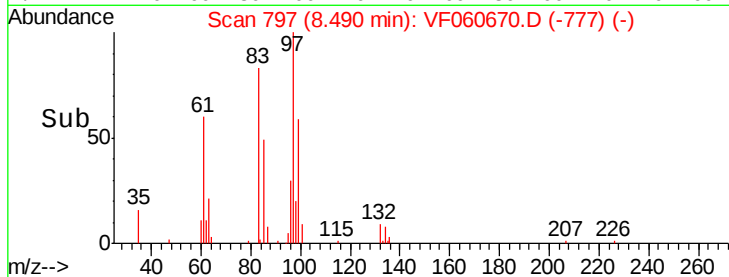
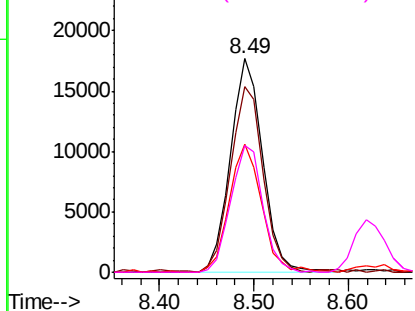
Tot Ion:	97	Resp:	41703
Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.4	104.0
85	60.0	46.6	69.8
99	59.2	50.0	75.0

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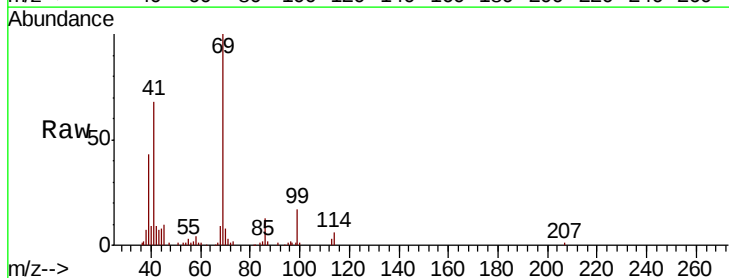
Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 82.95 (82.65 to 83.65): VF0
Ion 84.95 (84.65 to 85.65): VF0
Ion 98.95 (98.65 to 99.65): VF0



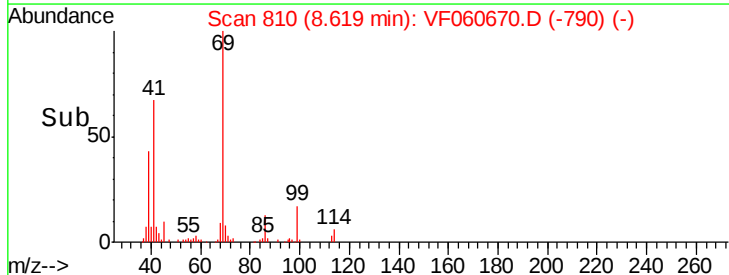
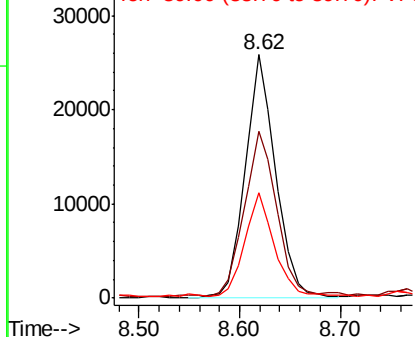
#56

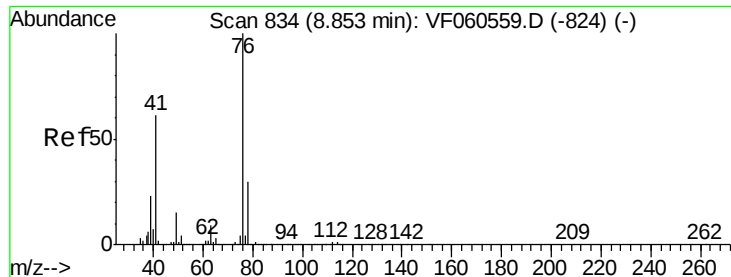
Ethyl methacrylate
Concen: 20.031 ug/l
RT: 8.62 min Scan# 810
Delta R.T. -0.01 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Tgt Ion:	69	Resp:	54424
Ion	Ratio	Lower	Upper
69	100		
41	68.4	59.2	88.8
39	43.4	32.3	48.5



Abundance Ion 69.00 (68.70 to 69.70): VF0
Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.686 ug/l

RT: 8.86 min Scan# 834

Delta R.T. 0.00 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1109SBS01

Tot Ion: 76 Resp: 76650

Ion Ratio Lower Upper

76 100

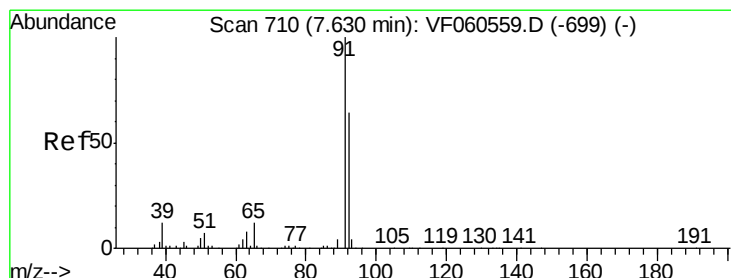
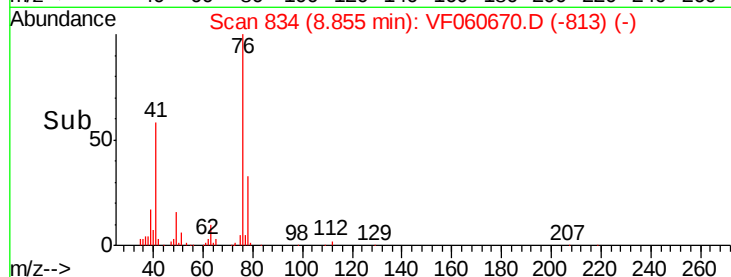
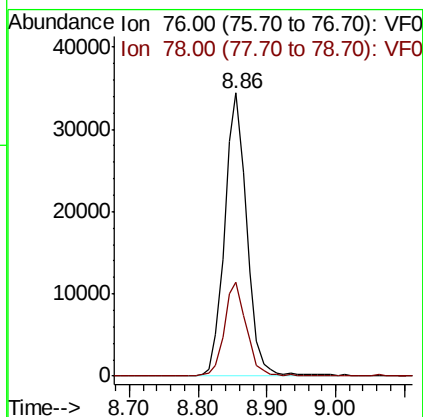
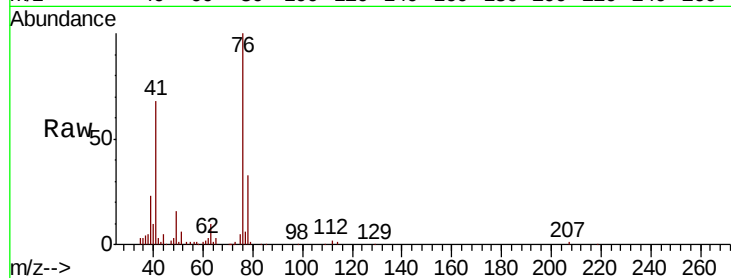
78 33.0 24.2 36.4

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#58

2-Chloroethyl Vinyl ether

Concen: 109.864 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.01 min

Lab File: VF060670.D

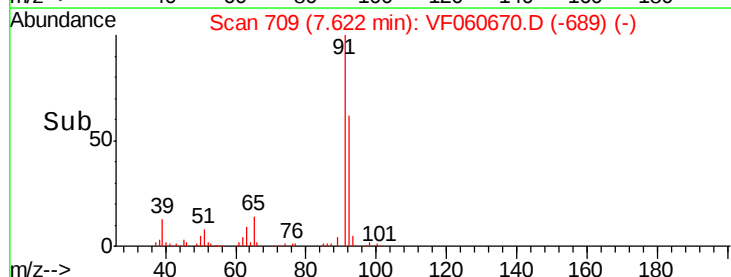
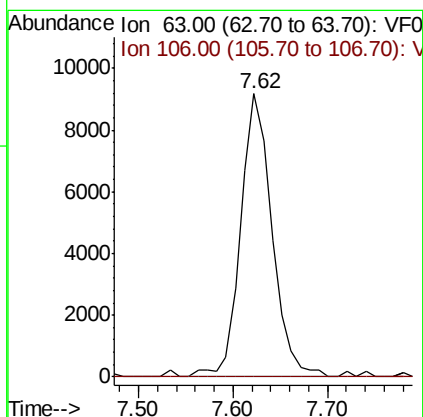
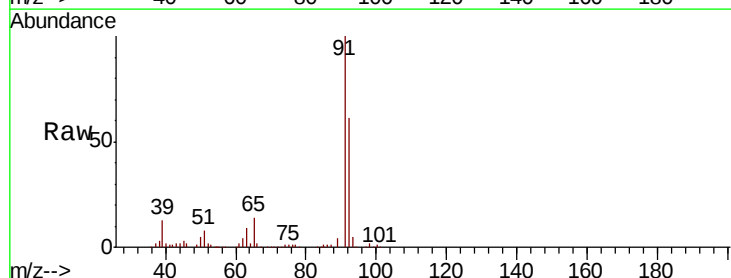
Acq: 9 Nov 2018 13:49

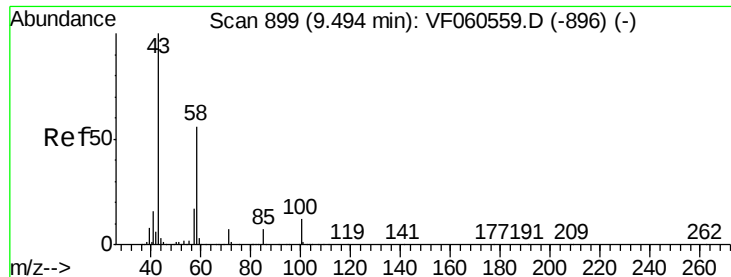
Tgt Ion: 63 Resp: 21126

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





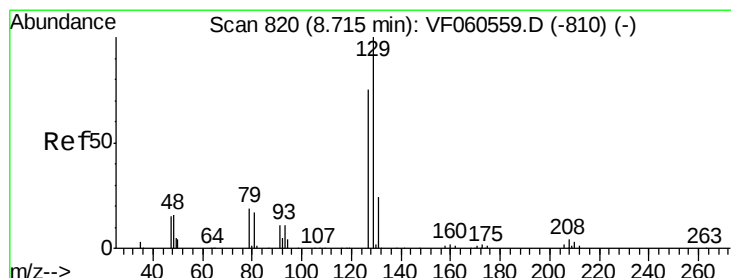
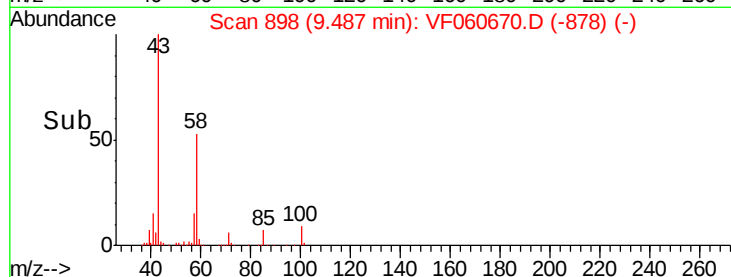
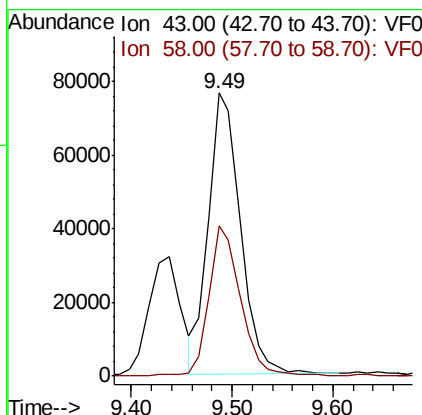
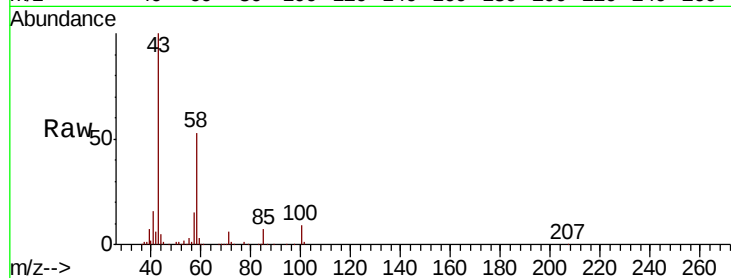
#59
2-Hexanone
Concen: 123.744 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.01 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1109SBS01

Tot Ion: 43 Resp: 169597
Ion Ratio Lower Upper
43 100
58 53.1 26.1 78.3

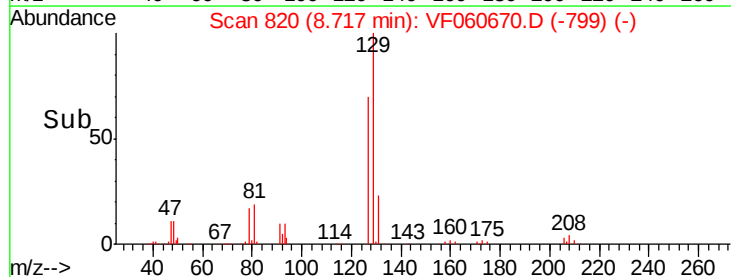
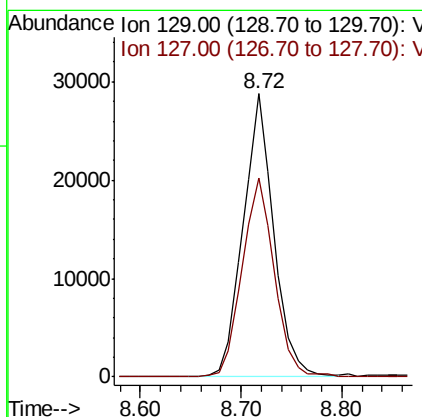
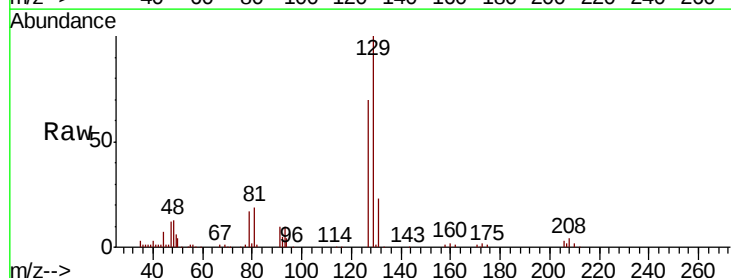
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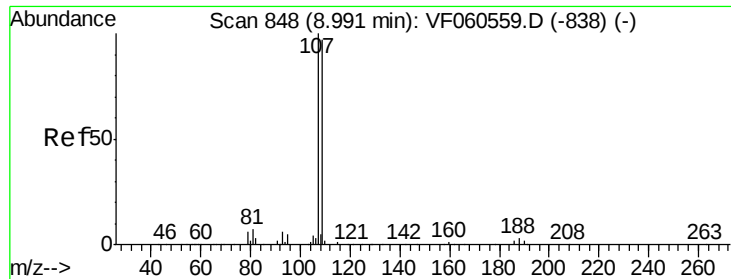
apatel
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#60
Dibromochloromethane
Concen: 20.629 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.00 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Tgt Ion: 129 Resp: 60925
Ion Ratio Lower Upper
129 100
127 70.3 37.8 113.3





#61

1,2-Dibromoethane

Concen: 20.536 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1109SBS01

Tot Ion:107 Resp: 45604

Ion Ratio Lower Upper

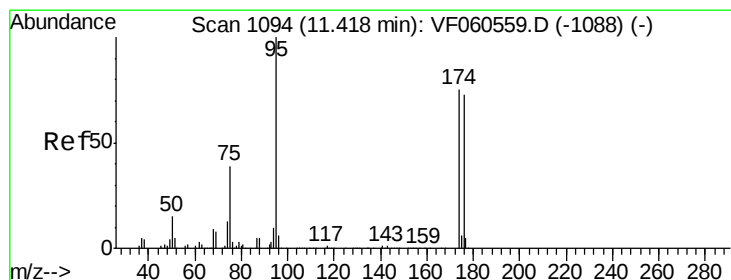
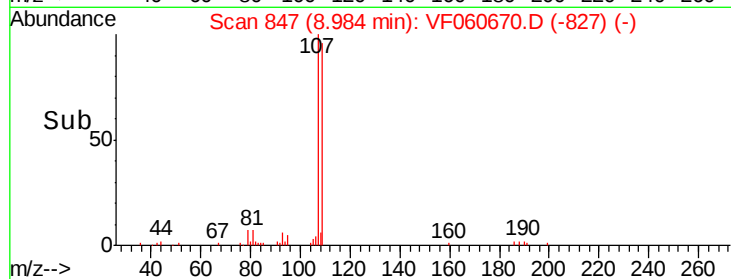
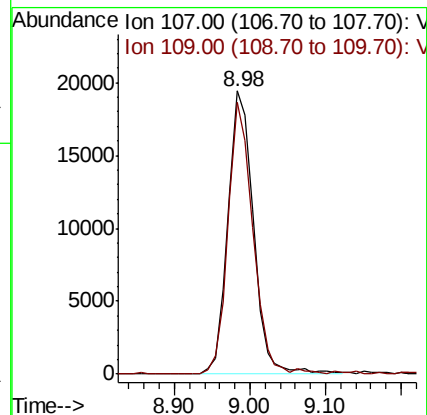
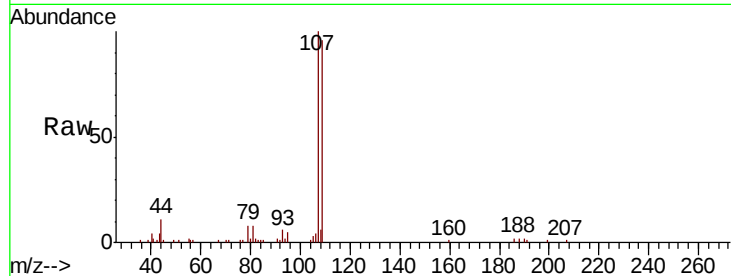
107 100

109 95.9 77.5 116.3

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 51.909 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

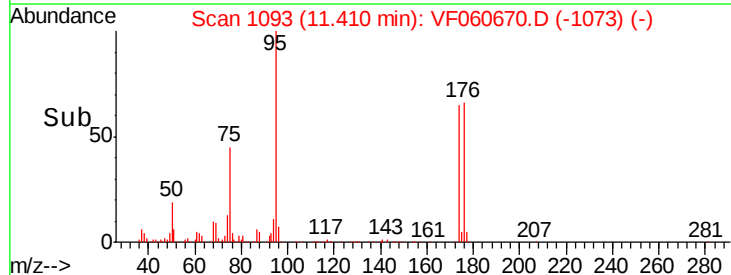
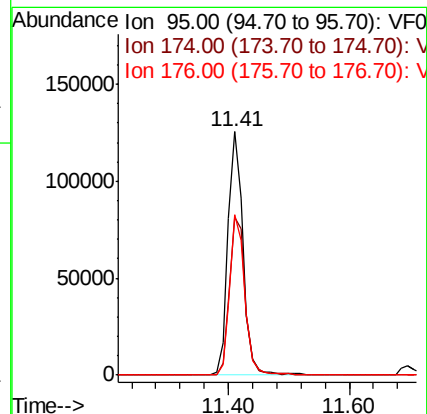
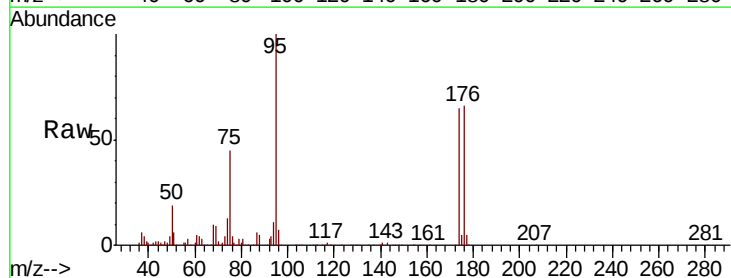
Tgt Ion: 95 Resp: 216604

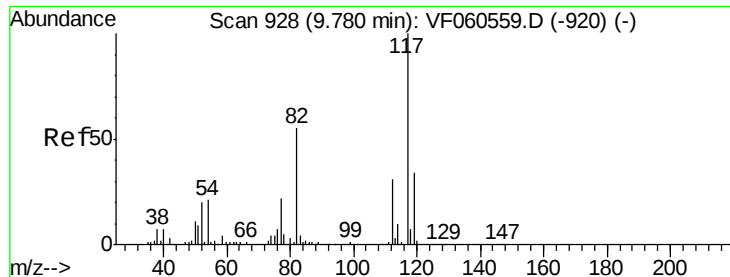
Ion Ratio Lower Upper

95 100

174 64.8 0.0 149.0

176 66.1 0.0 145.6





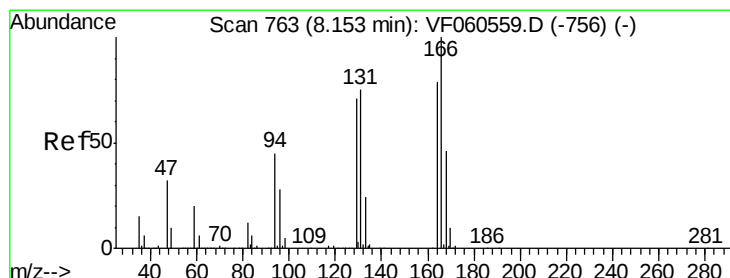
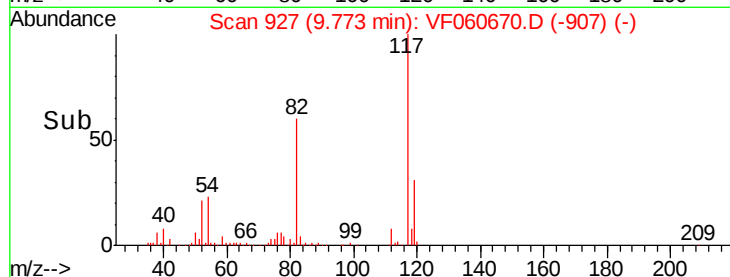
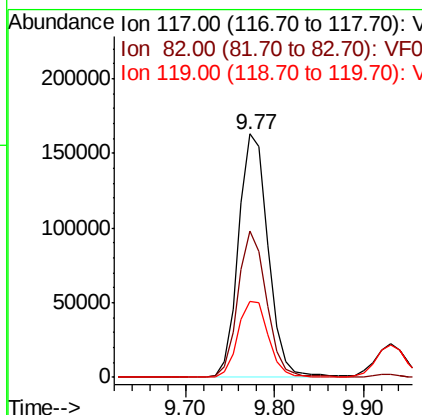
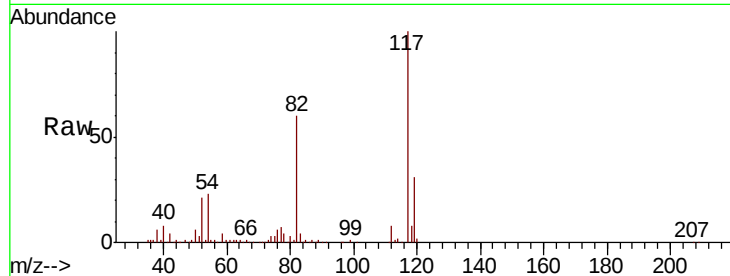
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1109SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	378358		
82	60.2		43.9	65.9
119	31.4		27.4	41.0

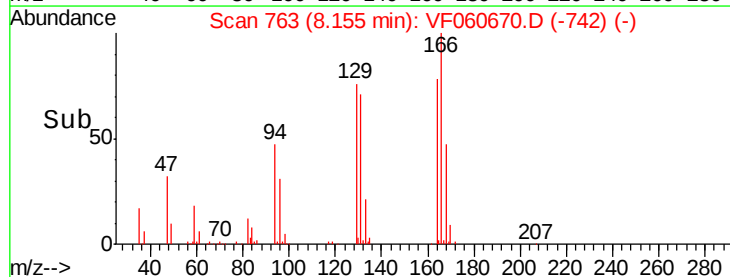
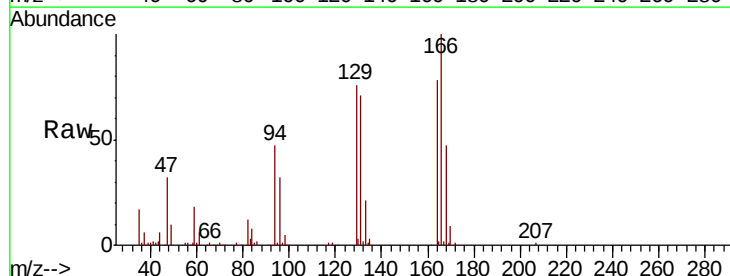
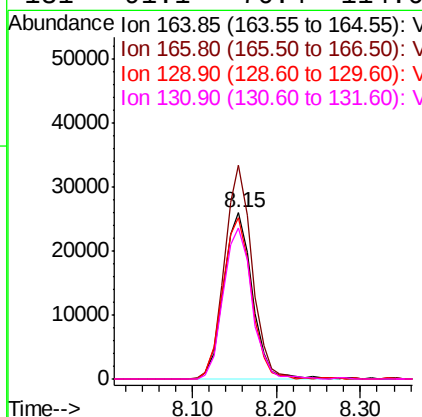
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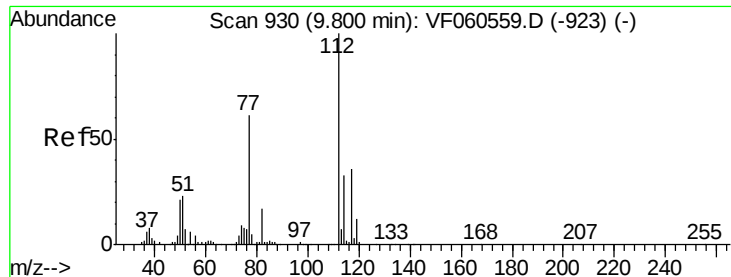
apatel
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#64
Tetrachloroethene
Concen: 20.644 ug/l
RT: 8.15 min Scan# 763
Delta R.T. 0.00 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	61213		
166	128.8		101.5	152.3
129	97.6		72.5	108.7
131	91.1		76.4	114.6





#65

Chlorobenzene

Concen: 20.611 ug/l

RT: 9.80 min Scan# 930

Delta R.T. 0.00 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1109SBS01

Tot Ion:112 Resp: 159477

Ion Ratio Lower Upper

112 100

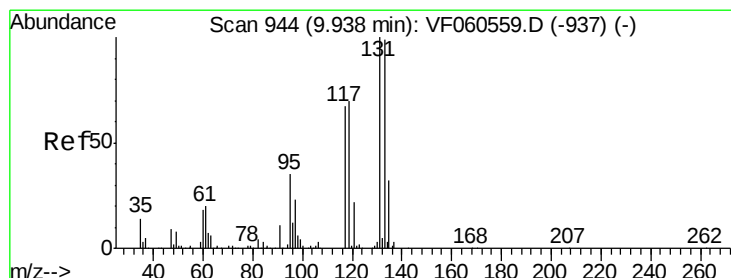
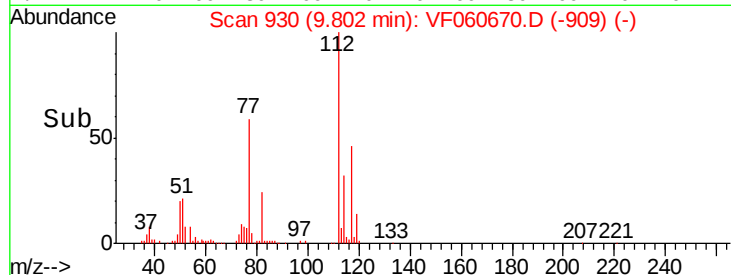
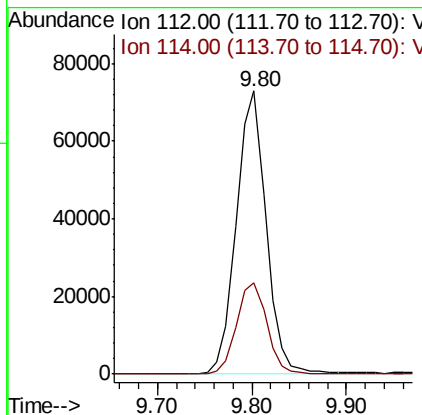
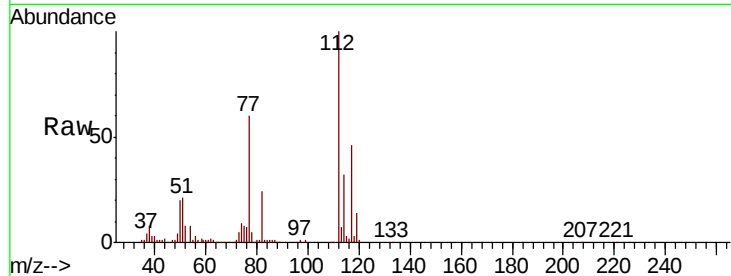
114 32.1 26.6 40.0

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.549 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.01 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

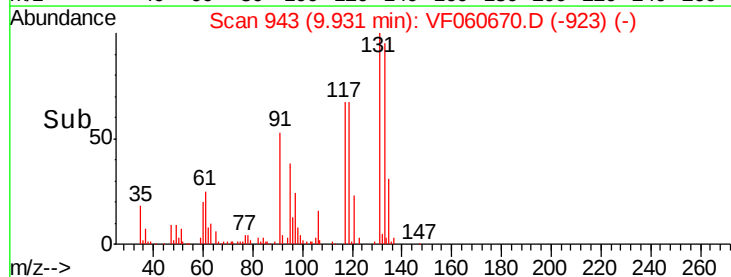
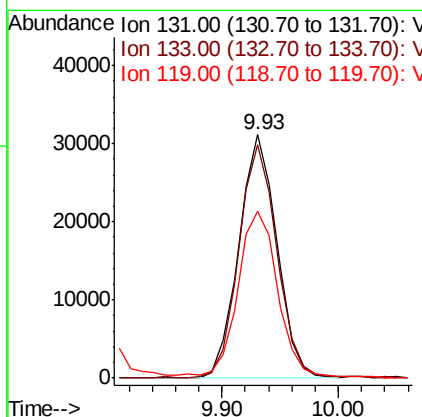
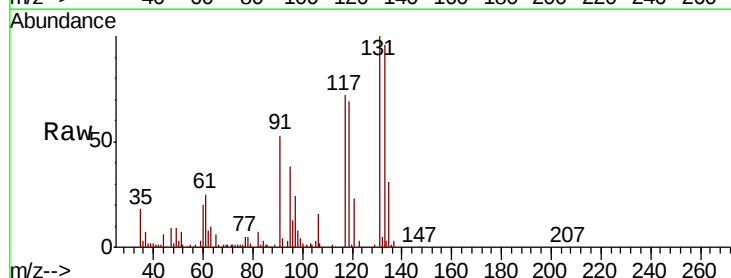
Tgt Ion:131 Resp: 70453

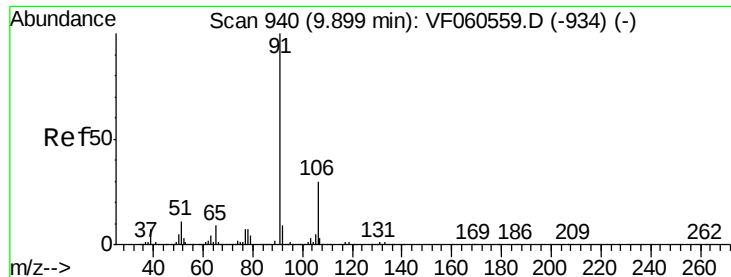
Ion Ratio Lower Upper

131 100

133 95.8 49.5 148.7

119 68.6 35.2 105.6





#67

Ethyl Benzene

Concen: 22.623 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.00 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1109SBS01

Tot Ion: 91 Resp: 317647

Ion Ratio Lower Upper

91 100

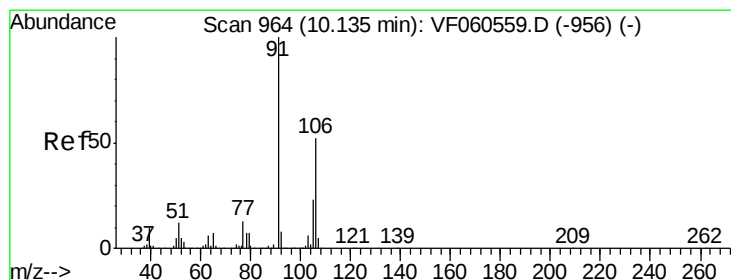
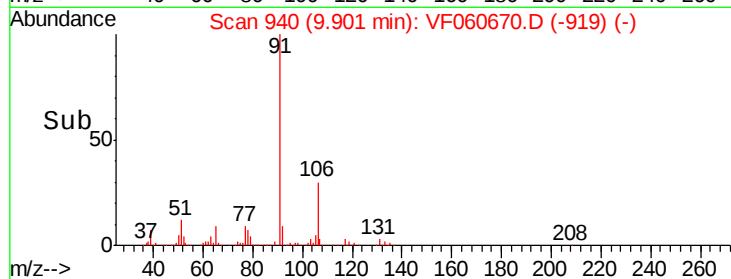
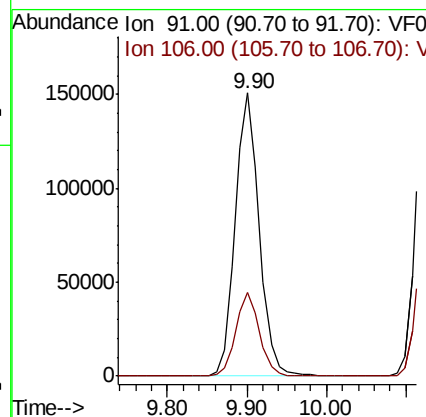
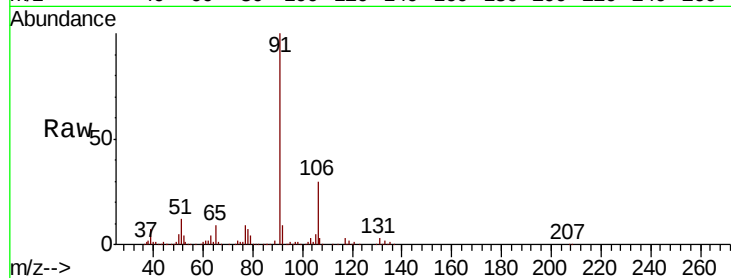
106 29.7 24.2 36.4

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#68

m/p-Xylenes

Concen: 44.478 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF060670.D

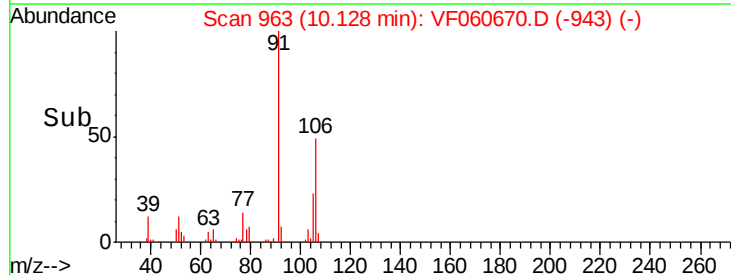
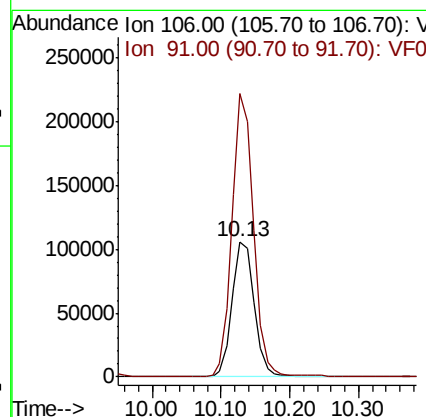
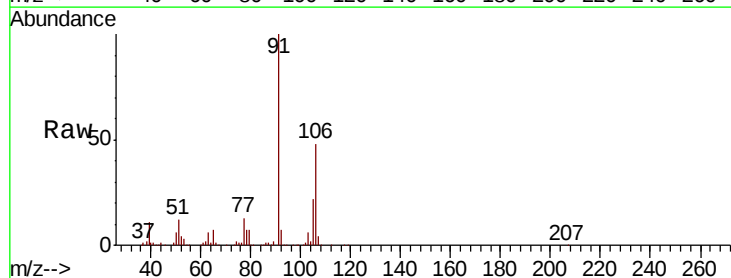
Acq: 9 Nov 2018 13:49

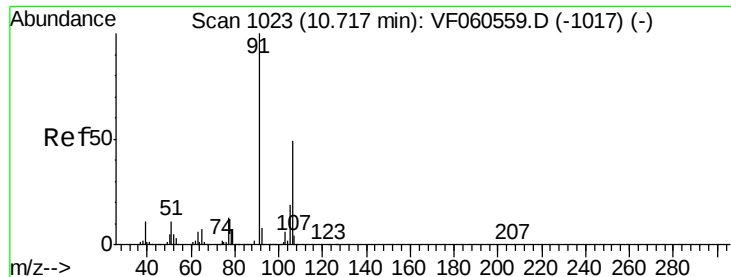
Tgt Ion: 106 Resp: 235249

Ion Ratio Lower Upper

106 100

91 209.4 153.9 230.9





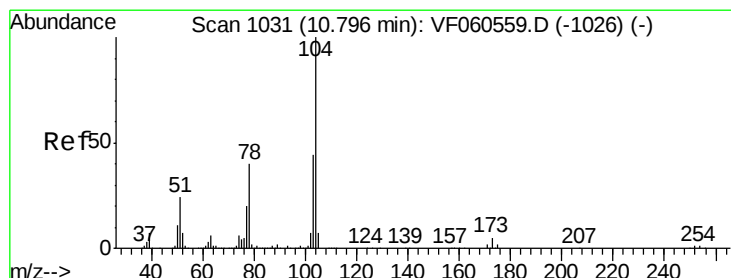
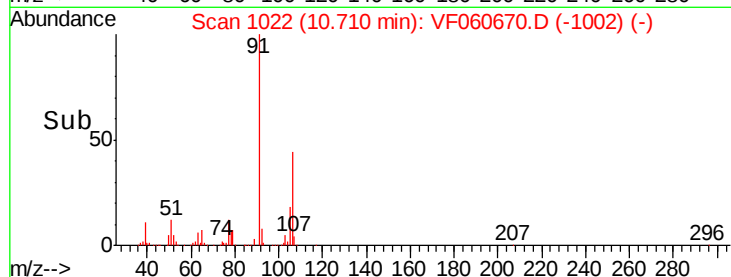
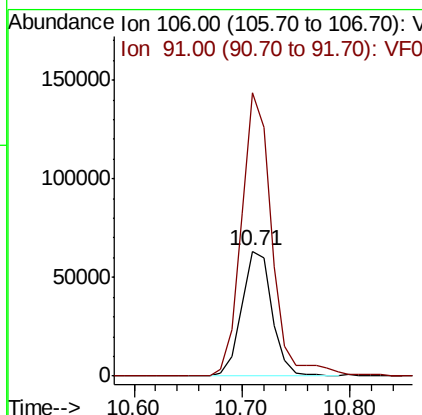
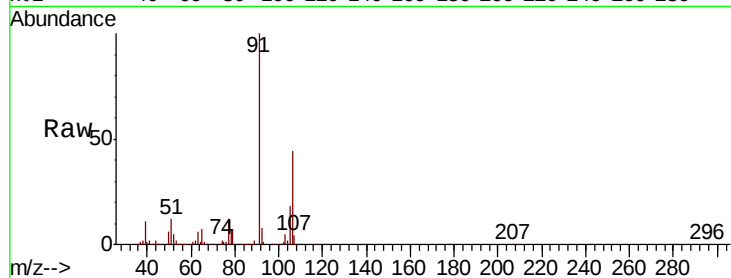
#69
o-Xylene
Concen: 21.467 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1109SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	225.9	101.8	305.3

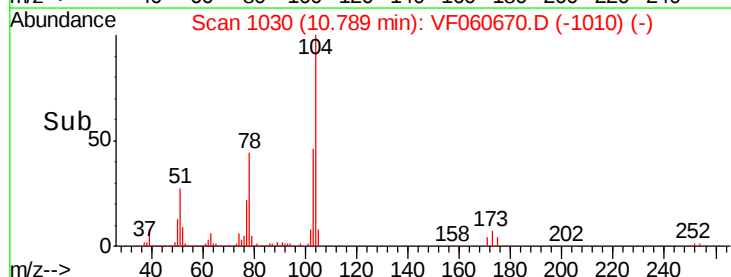
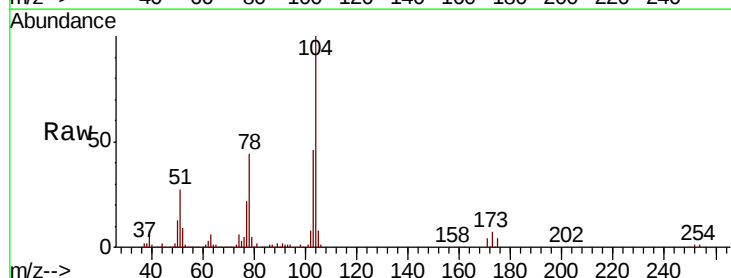
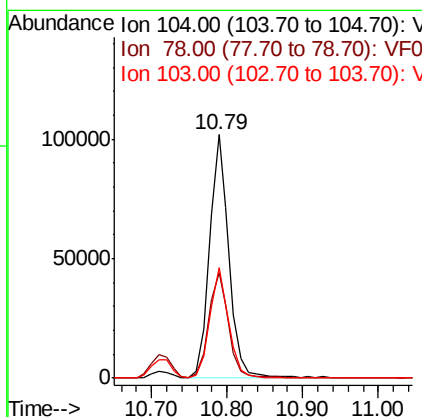
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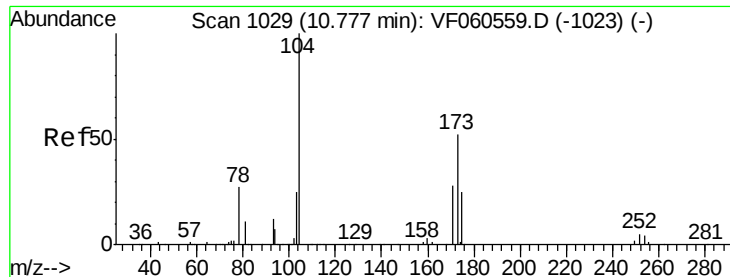
apatel
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#70
Styrene
Concen: 21.727 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Tgt Ion	Ratio	Lower	Upper
104	100		
78	43.5	32.6	49.0
103	45.5	35.2	52.8





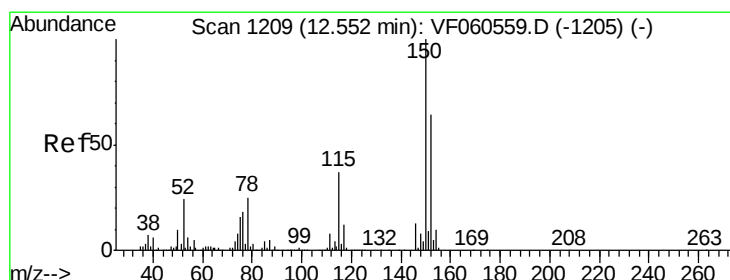
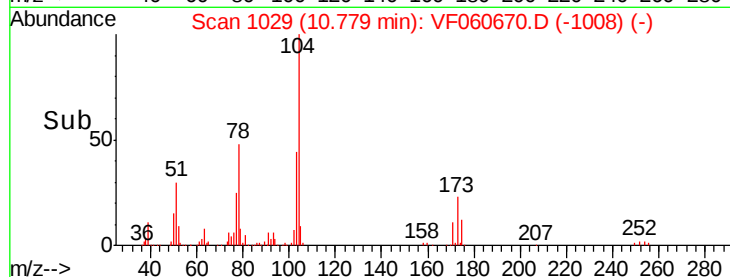
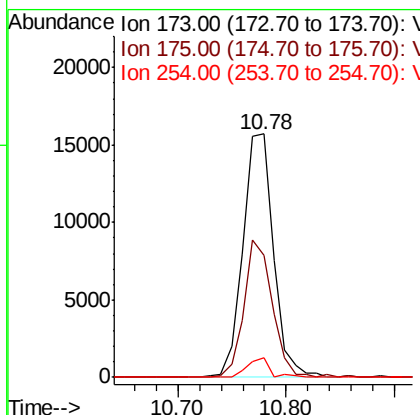
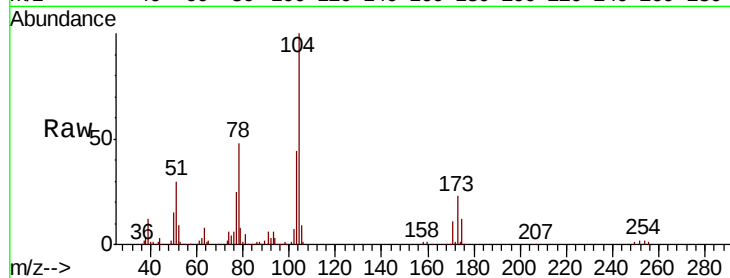
#71
Bromoform
Concen: 18.290 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1109SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100		30883		
175	50.8	24.3	72.9		
254	8.1	6.7	10.1		

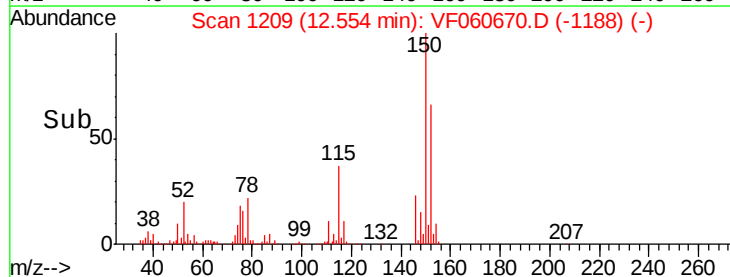
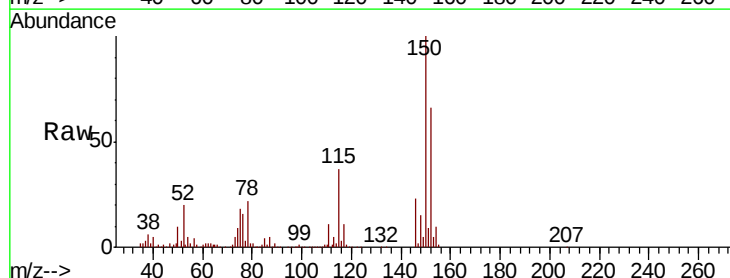
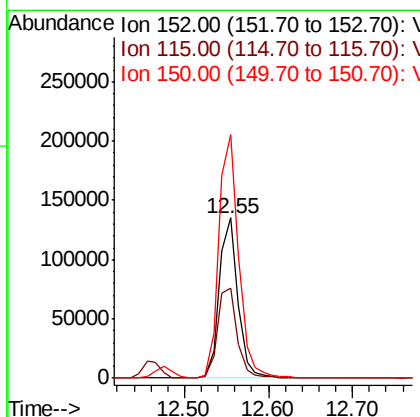
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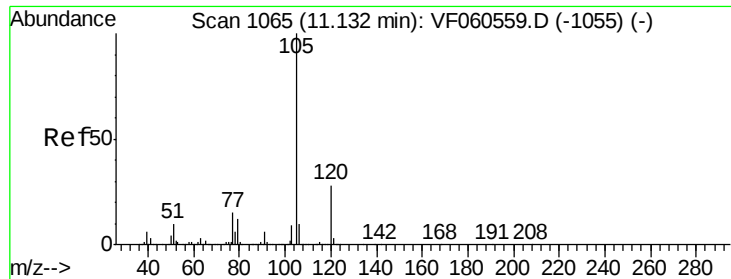
apatel
11/12/2018 2:41:05 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.00 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100		208653		
115	56.4	29.6	88.8		
150	152.1	0.0	315.6		





#73

Isopropylbenzene

Concen: 22.338 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1109SBS01

Tot Ion:105 Resp: 363500

Ion Ratio Lower Upper

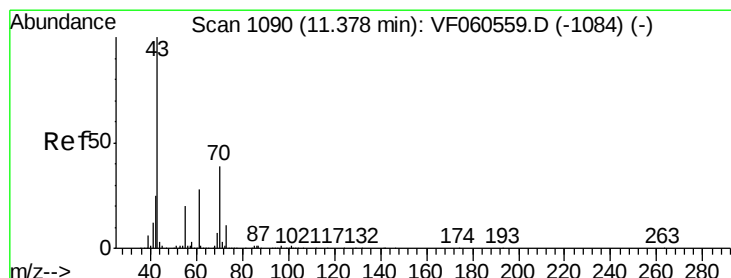
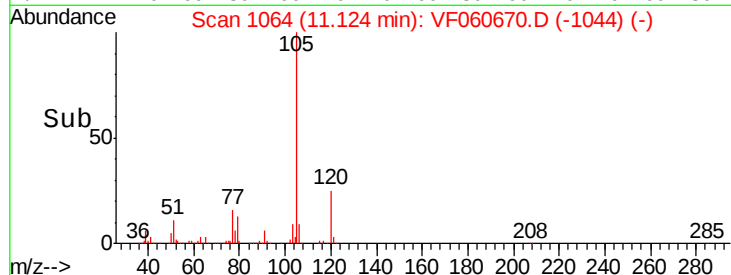
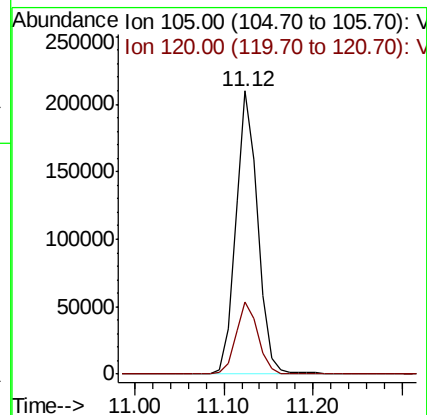
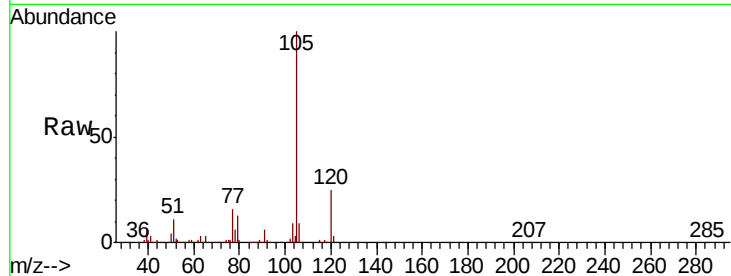
105 100

120 25.3 13.9 41.6

Manual Integrations
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#74

N-ethyl acetate

Concen: 22.214 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Tgt Ion: 43 Resp: 99757

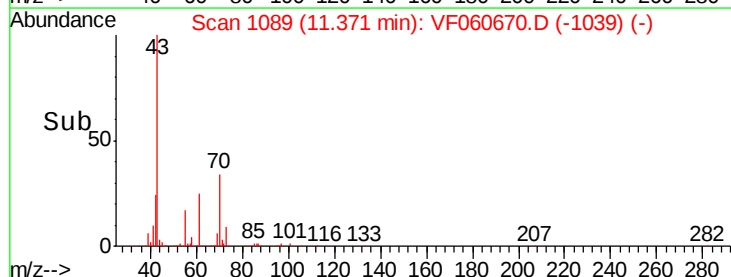
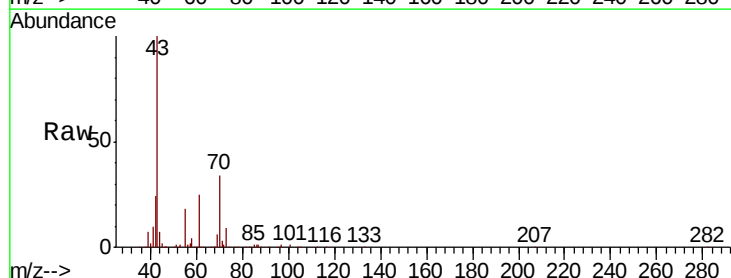
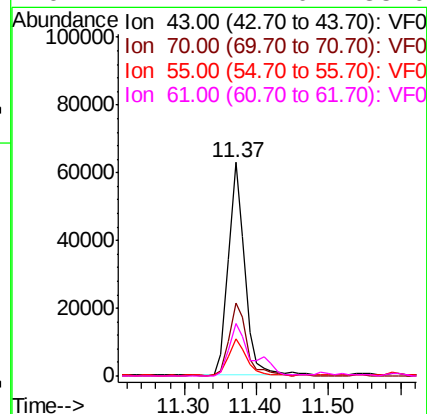
Ion Ratio Lower Upper

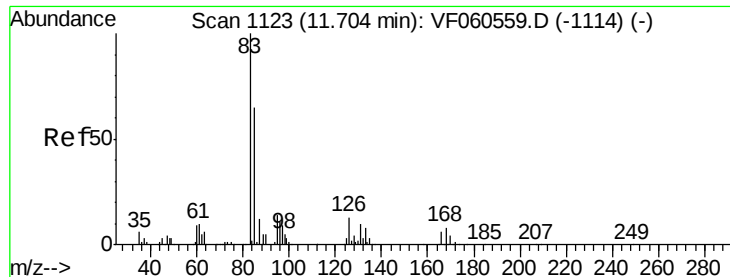
43 100

70 34.3 30.9 46.3

55 17.5 16.6 24.8

61 24.7 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.058 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Instrument :

MSVOA_F

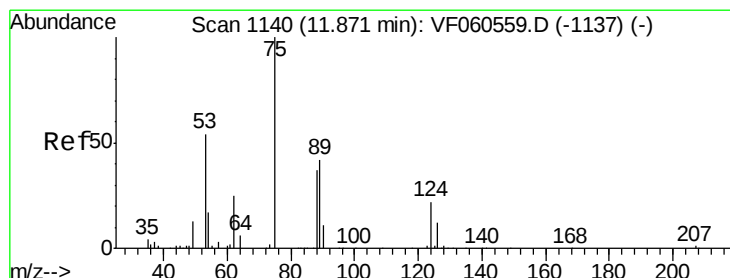
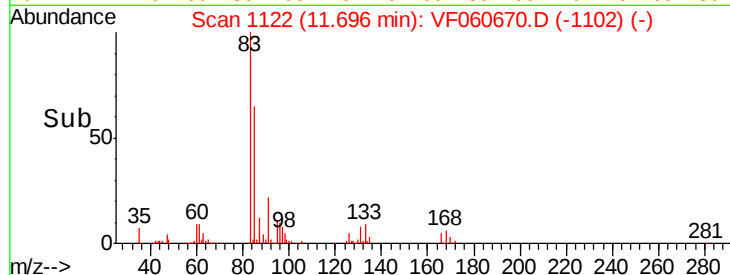
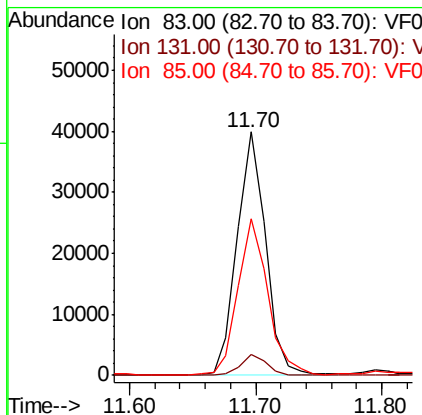
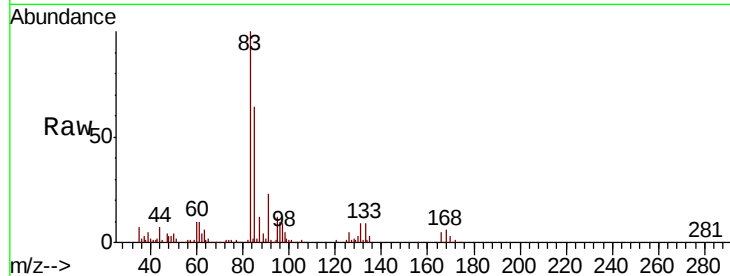
ClientSampleId :

VF1109SBS01

Tot Ion:	83	Resp:	62545
Ion Ratio	Lower	Upper	
83	100		
131	8.8	5.0	14.9
85	64.2	32.9	98.7

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#76

1,2,3-Trichloropropane

Concen: 19.220 ug/l

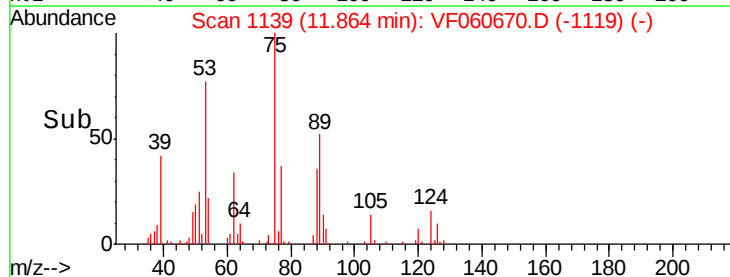
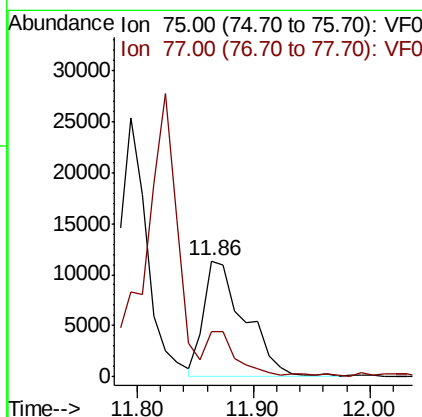
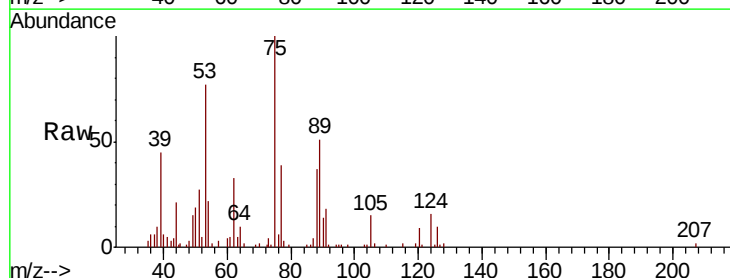
RT: 11.86 min Scan# 1139

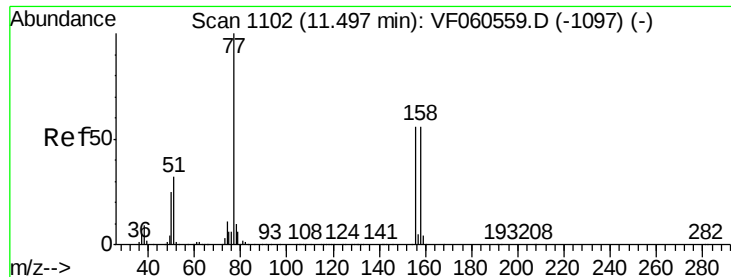
Delta R.T. -0.01 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Tgt Ion:	75	Resp:	28055
Ion Ratio	Lower	Upper	
75	100		
77	38.7	17.4	52.3





#77

Bromobenzene

Concen: 20.631 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Instrument :

MSVOA_F

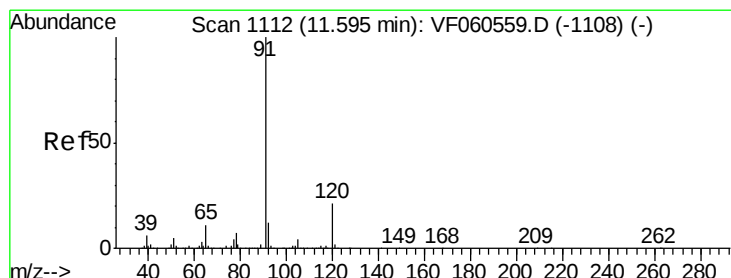
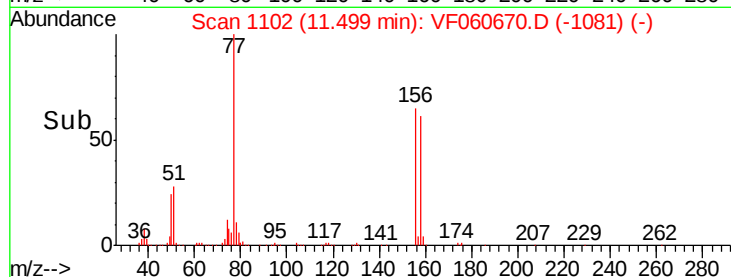
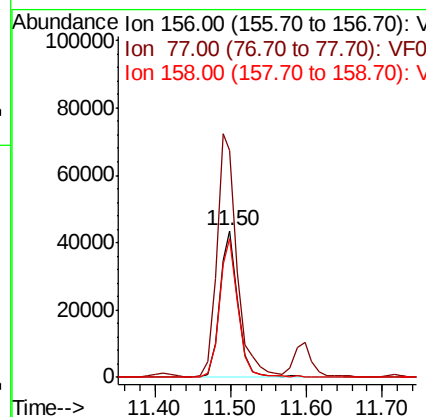
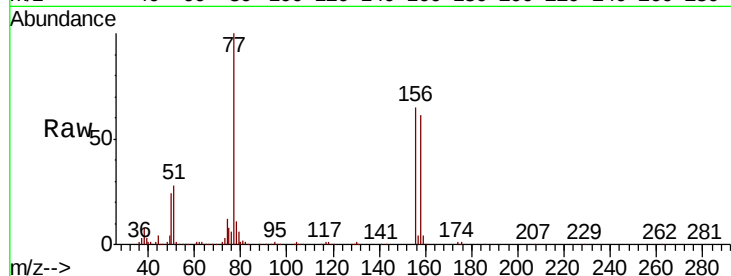
ClientSampleId :

VF1109SBS01

Tot Ion:	156	Resp:	73459
Ion Ratio	Lower	Upper	
156	100		
77	154.5	89.3	268.1
158	94.3	50.0	150.1

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#78

n-propylbenzene

Concen: 22.823 ug/l

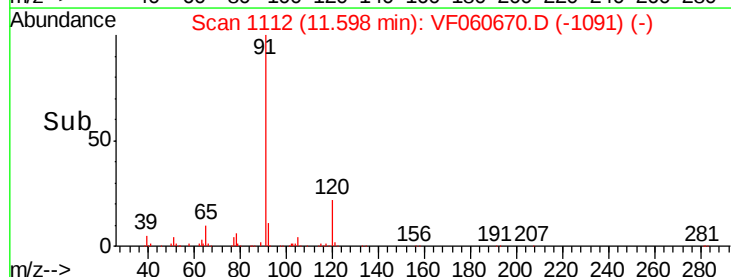
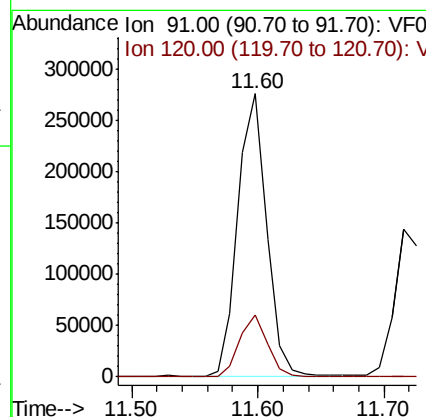
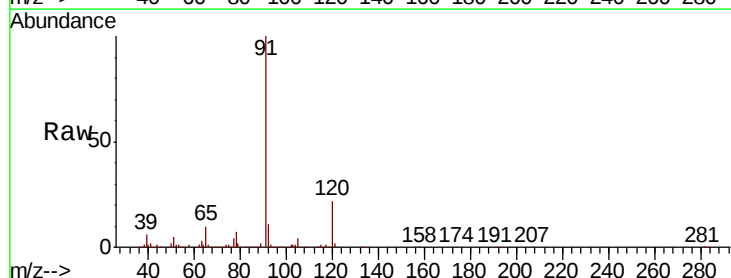
RT: 11.60 min Scan# 1112

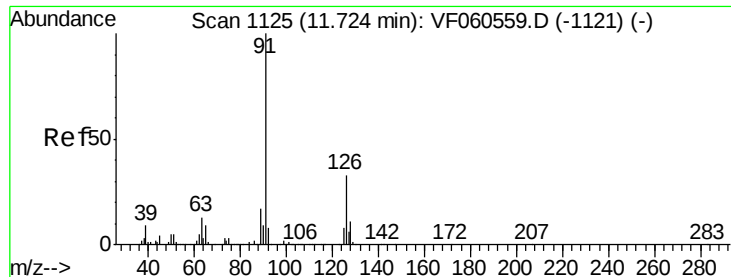
Delta R.T. 0.00 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Tgt Ion:	91	Resp:	434524
Ion Ratio	Lower	Upper	
91	100		
120	22.1	10.5	31.6





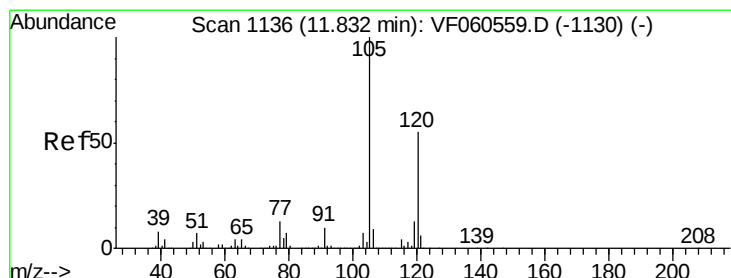
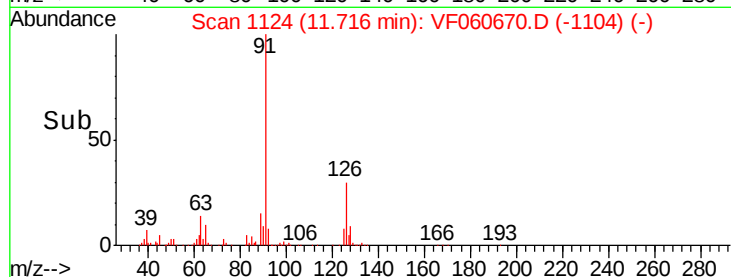
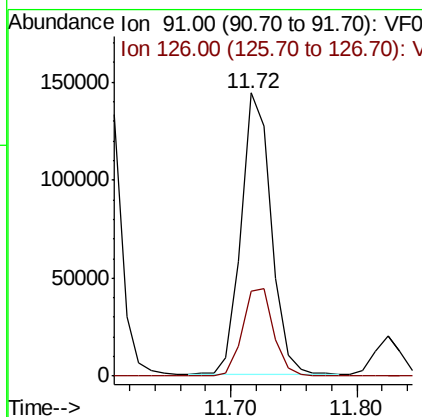
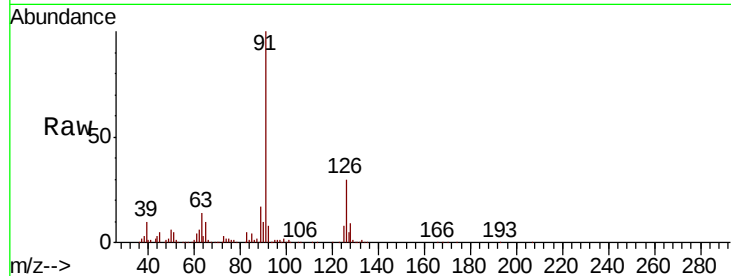
#79
2-Chlorotoluene
Concen: 21.747 ug/l
RT: 11.72 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1109SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	30.2	16.5	49.5

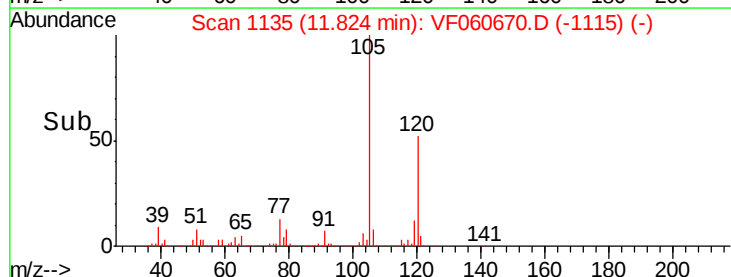
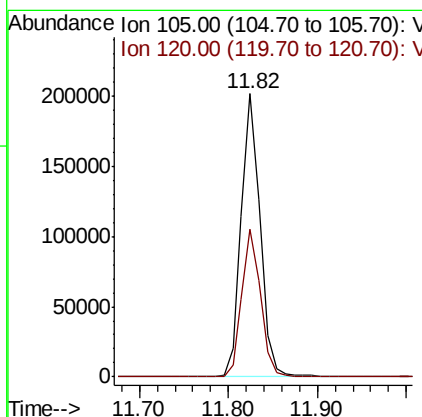
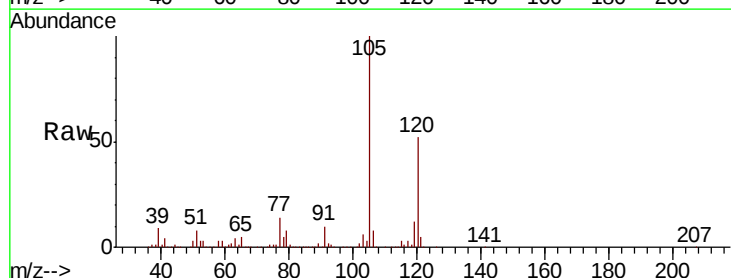
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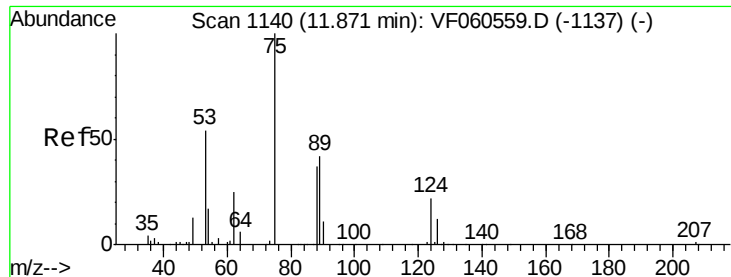
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#80
1,3,5-Trimethylbenzene
Concen: 22.355 ug/l
RT: 11.82 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.3	27.6	82.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.717 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Instrument :

MSVOA_F

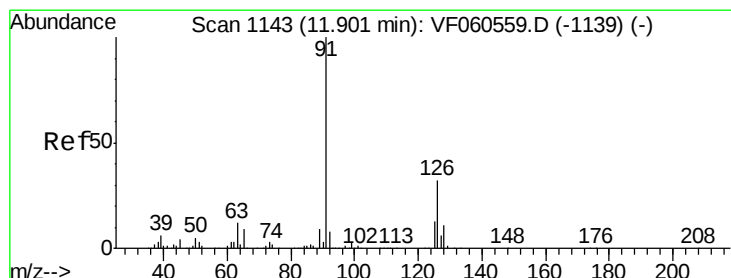
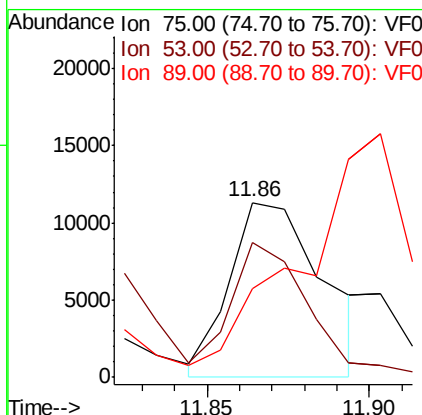
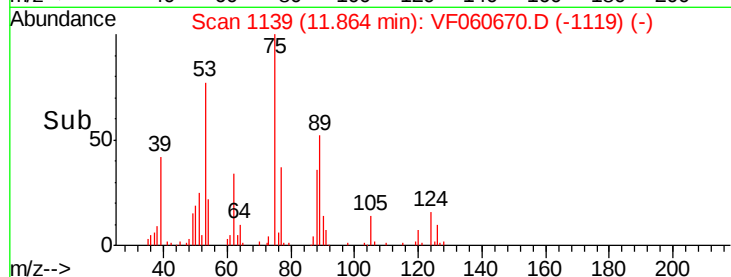
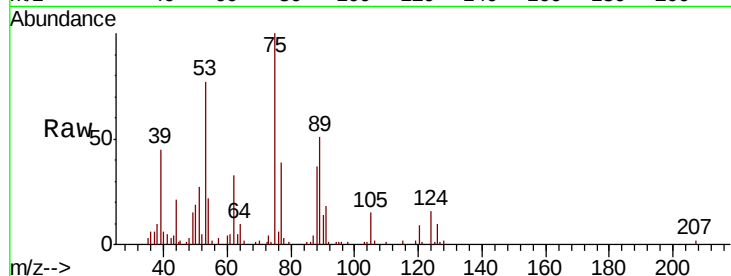
ClientSampleId :

VF1109SBS01

Tot Ion:	75	Resp:	22619
Ion	Ratio	Lower	Upper
75	100		
53	77.1	51.6	77.4
89	50.8	36.7	55.1

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#82

4-Chlorotoluene

Concen: 22.712 ug/l

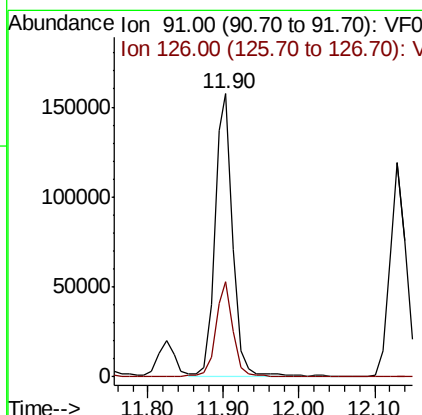
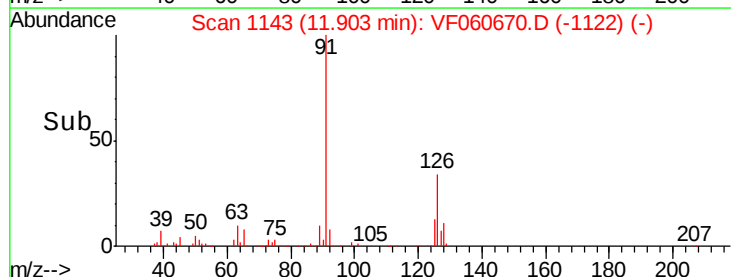
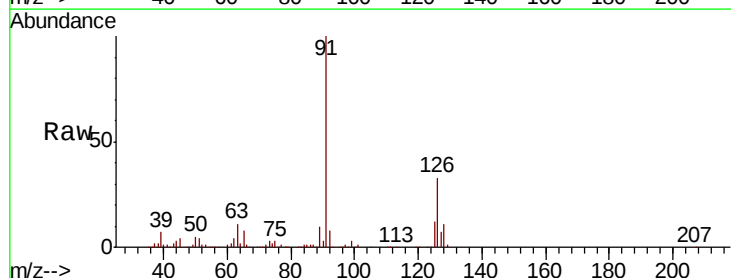
RT: 11.90 min Scan# 1143

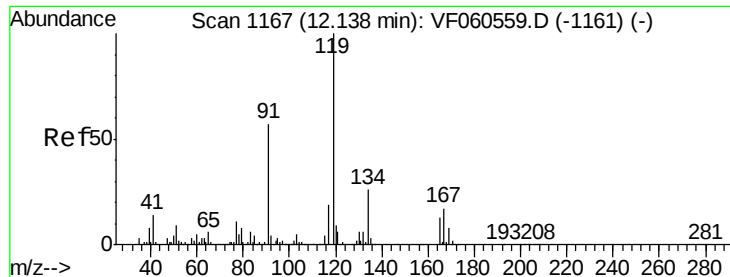
Delta R.T. 0.00 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Tgt Ion:	91	Resp:	257639
Ion	Ratio	Lower	Upper
91	100		
126	33.4	15.9	47.7





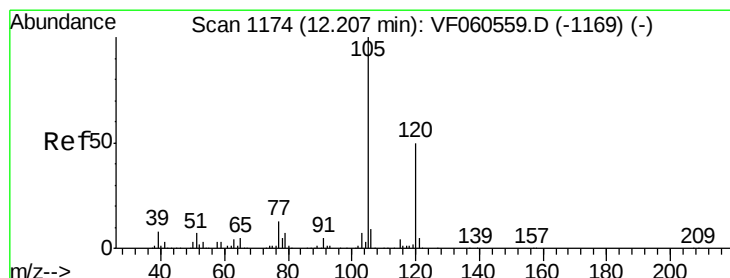
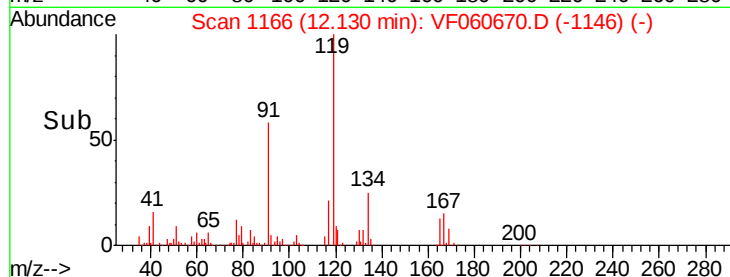
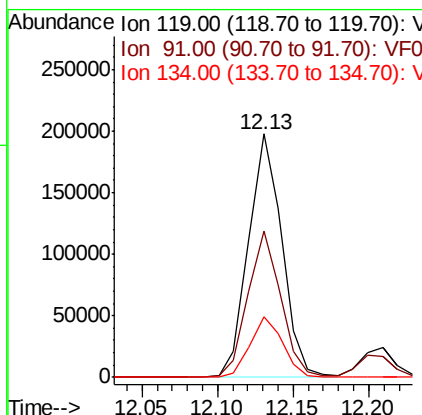
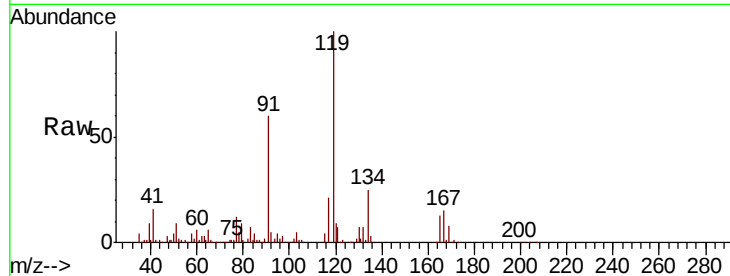
#83
tert-Butylbenzene
Concen: 22.363 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.01 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1109SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	306436		
91	60.1	28.8	86.4	
134	25.0	13.2	39.6	

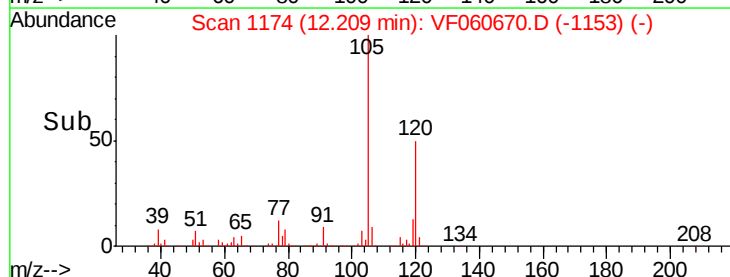
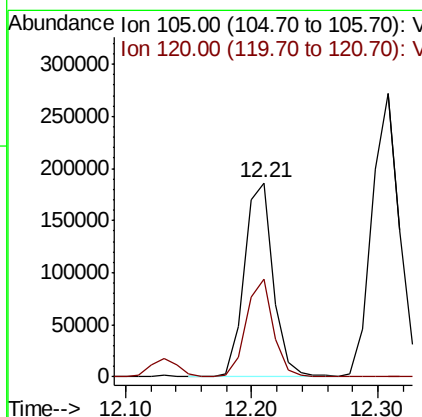
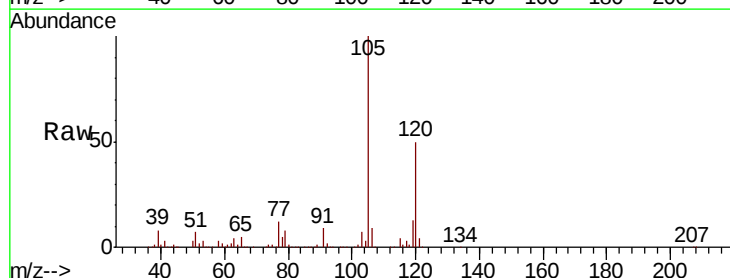
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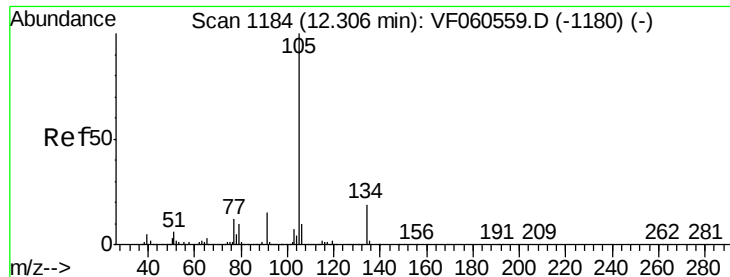
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#84
1,2,4-Trimethylbenzene
Concen: 22.359 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VF060670.D
Acq: 9 Nov 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	293692		
120	50.5	25.6	76.8	





#85

sec-Butylbenzene

Concen: 21.996 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1109SBS01

Tot Ion:105 Resp: 414612

Ion Ratio Lower Upper

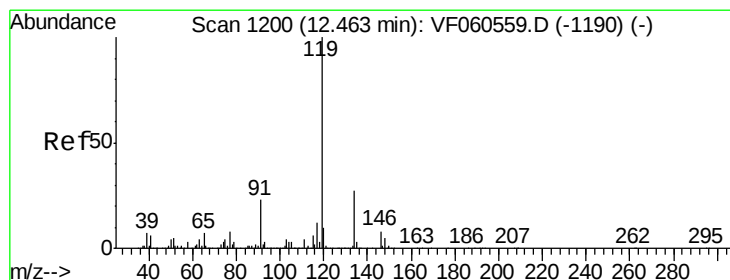
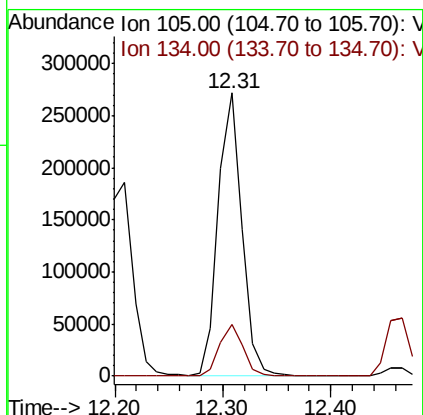
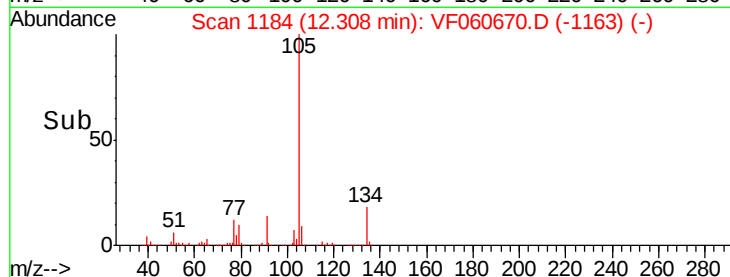
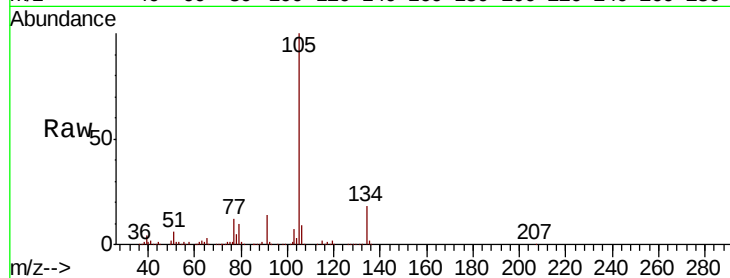
105 100

134 18.3 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 23.218 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

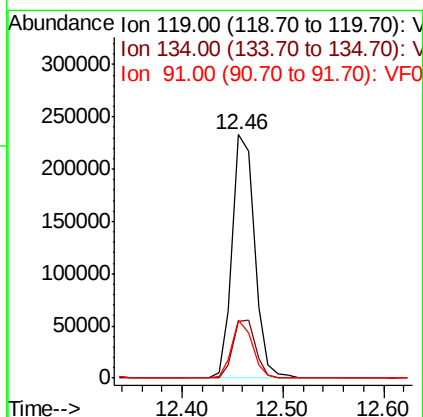
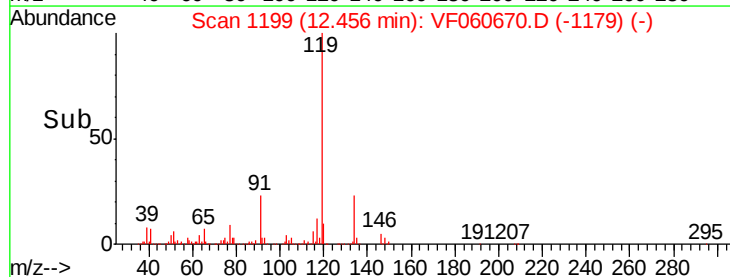
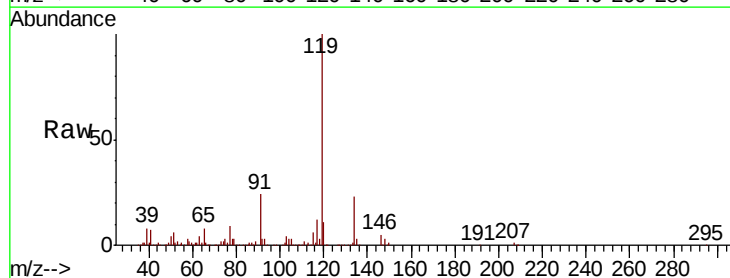
Tgt Ion:119 Resp: 360400

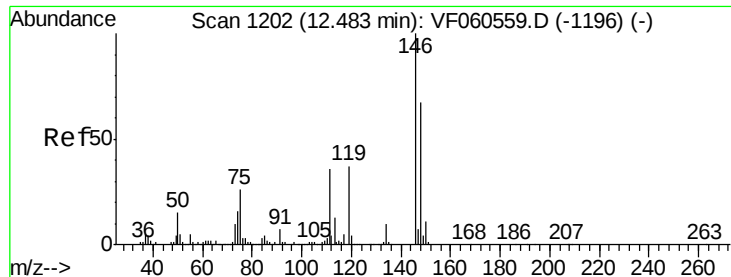
Ion Ratio Lower Upper

119 100

134 23.1 13.6 40.7

91 23.6 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 21.572 ug/l

RT: 12.48 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Instrument :

MSVOA_F

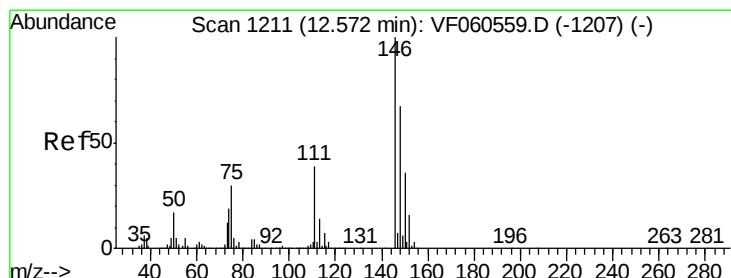
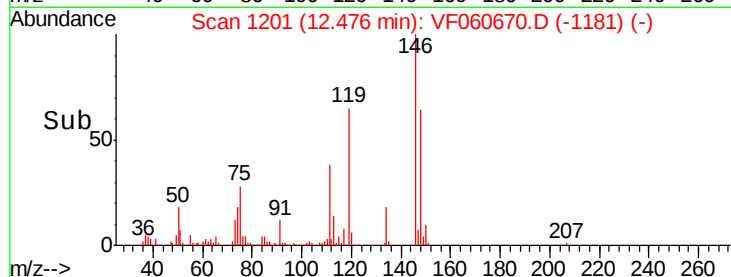
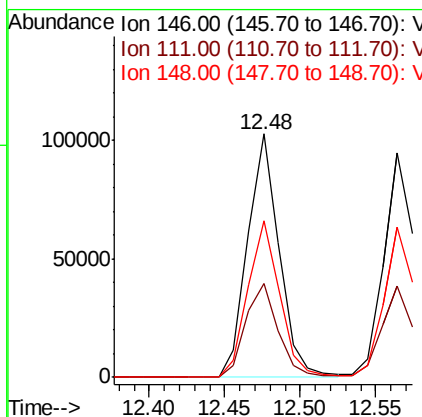
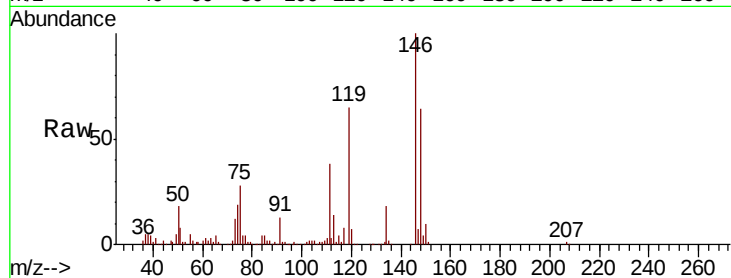
ClientSampleId :

VF1109SBS01

Tot Ion:	146	Resp:	150760
Ion Ratio	Lower	Upper	
146	100		
111	38.5	18.3	54.8
148	64.3	33.5	100.4

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#88

1,4-Dichlorobenzene

Concen: 21.331 ug/l

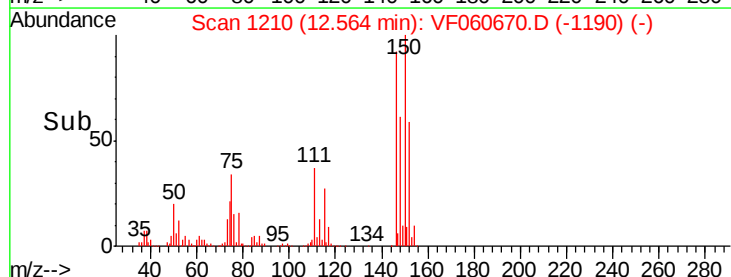
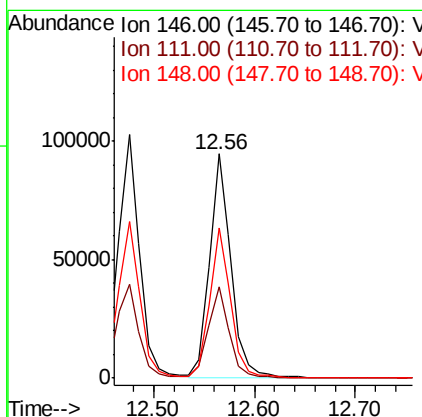
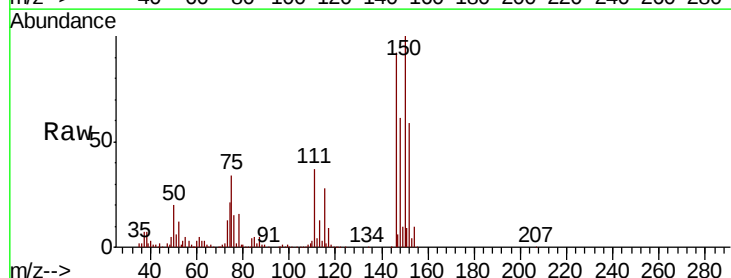
RT: 12.56 min Scan# 1210

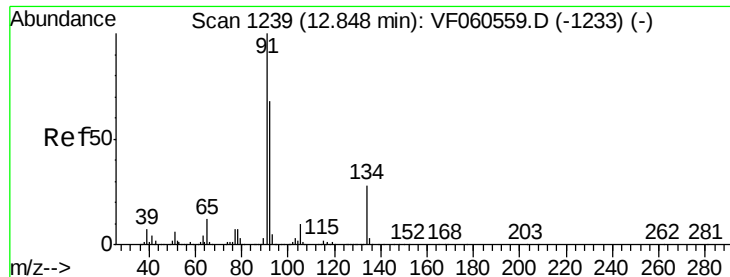
Delta R.T. -0.01 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Tgt Ion:	146	Resp:	141399
Ion Ratio	Lower	Upper	
146	100		
111	40.4	19.7	59.1
148	66.9	33.7	101.1





#89

n-Butylbenzene

Concen: 21.196 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Instrument :

MSVOA_F

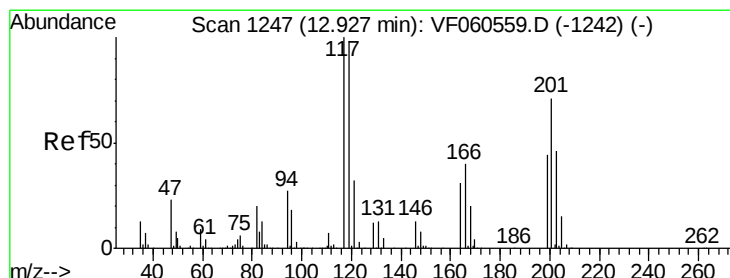
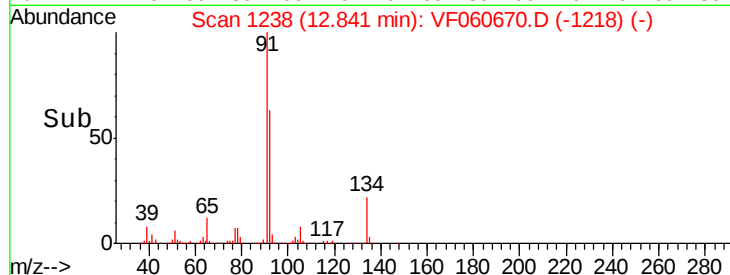
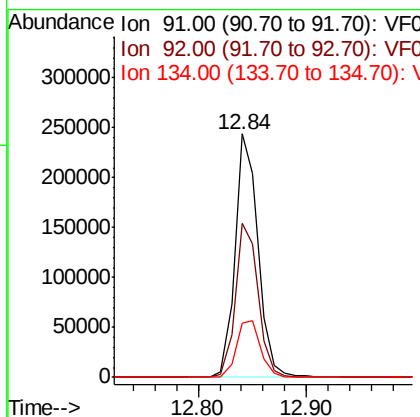
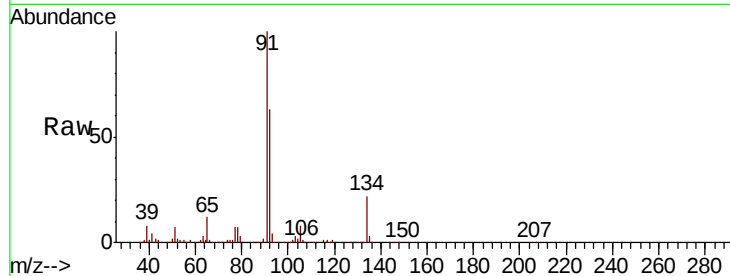
ClientSampleId :

VF1109SBS01

Tot Ion:	91	Resp:	357998
Ion	Ratio	Lower	Upper
91	100		
92	63.1	34.1	102.2
134	22.3	13.9	41.6

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#90

Hexachloroethane

Concen: 21.215 ug/l

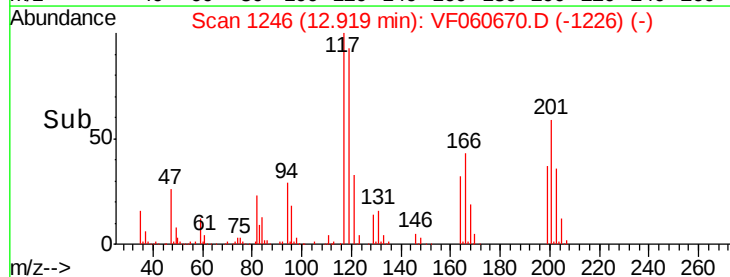
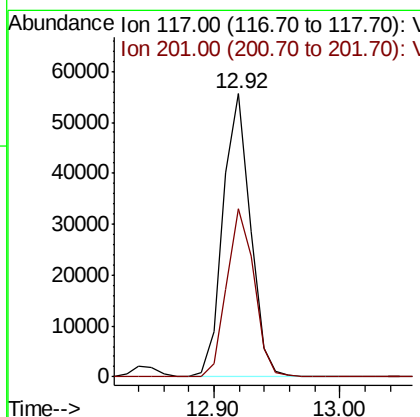
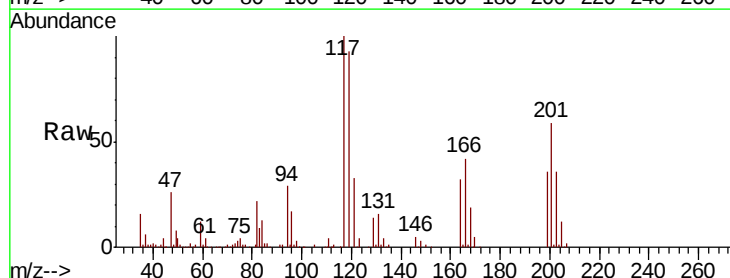
RT: 12.92 min Scan# 1246

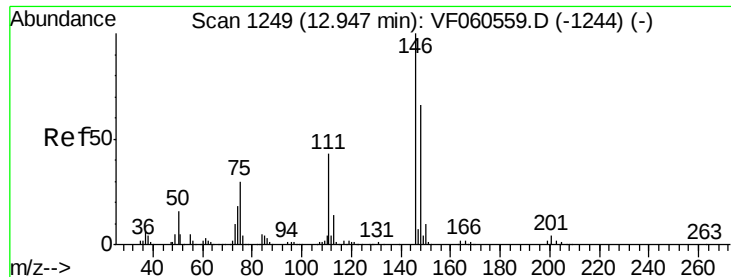
Delta R.T. -0.01 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Tgt Ion:	117	Resp:	83746
Ion	Ratio	Lower	Upper
117	100		
201	59.3	35.2	105.6





#91

1,2-Dichlorobenzene

Concen: 21.500 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Instrument :

MSVOA_F

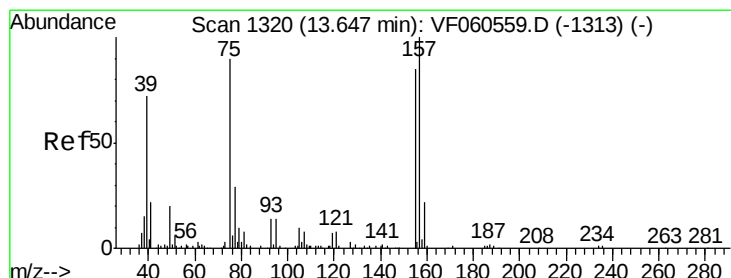
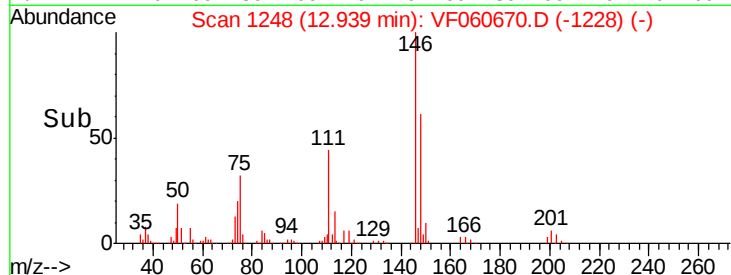
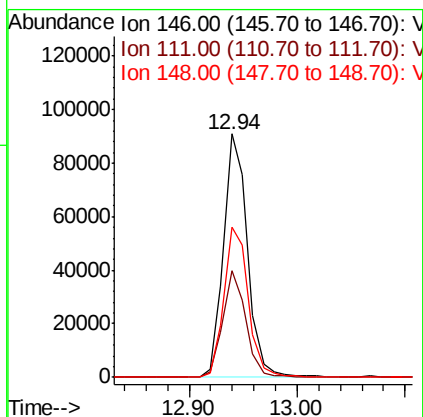
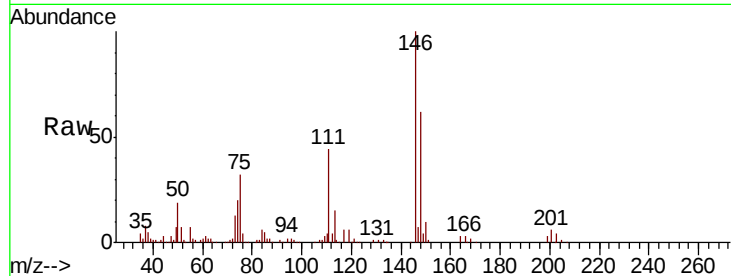
ClientSampleId :

VF1109SBS01

Tot Ion:	146	Resp:	140572
Ion Ratio	Lower	Upper	
146	100		
111	44.0	21.3	64.0
148	61.5	32.9	98.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.834 ug/l

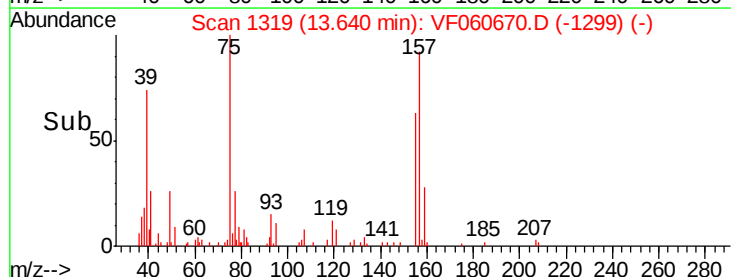
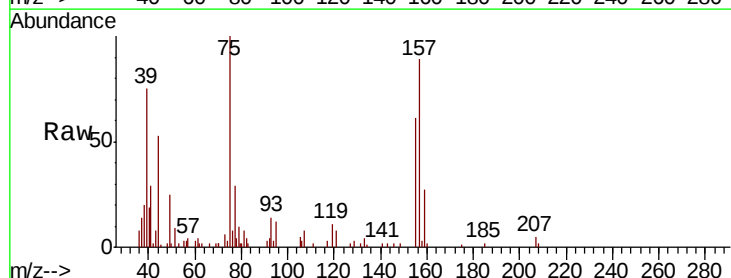
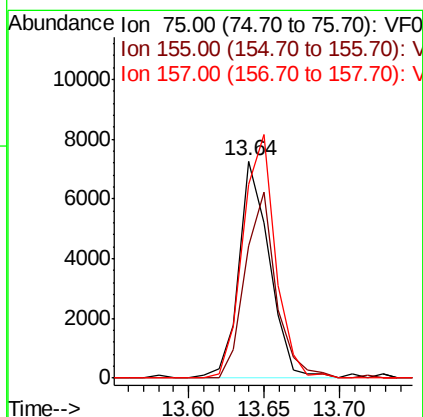
RT: 13.64 min Scan# 1319

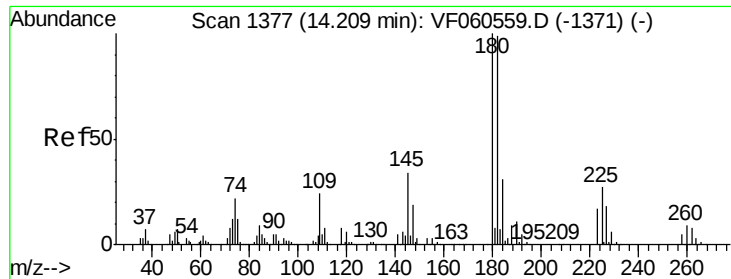
Delta R.T. -0.01 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Tgt Ion:	75	Resp:	10235
Ion Ratio	Lower	Upper	
75	100		
155	60.8	47.3	141.8
157	89.5	55.3	165.9





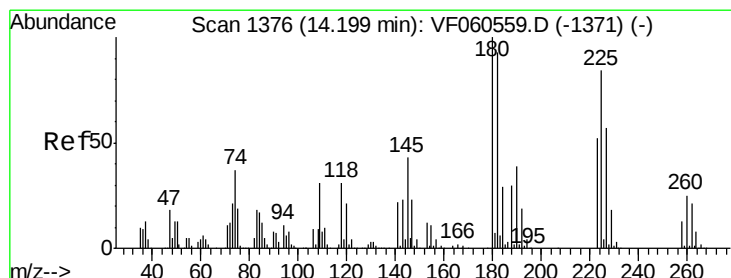
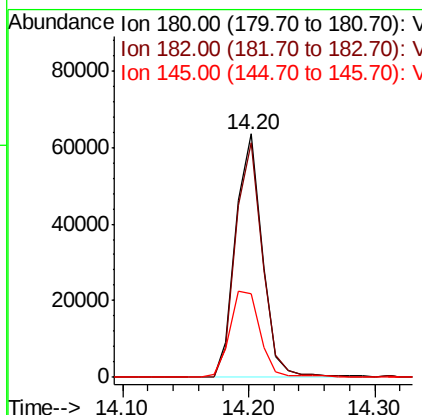
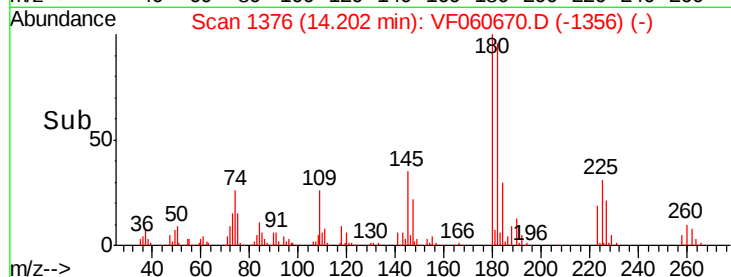
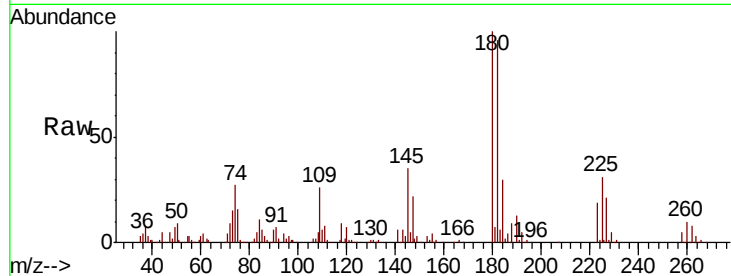
#93
 1,2,4-Trichlorobenzene
 Concen: 20.913 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060670.D
 Acq: 9 Nov 2018 13:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1109SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	92894		
182	96.2	49.7	149.1	
145	34.6	16.9	50.7	

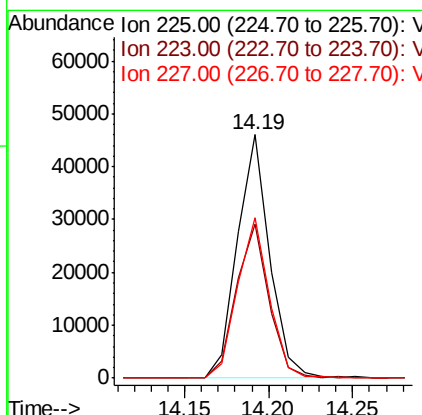
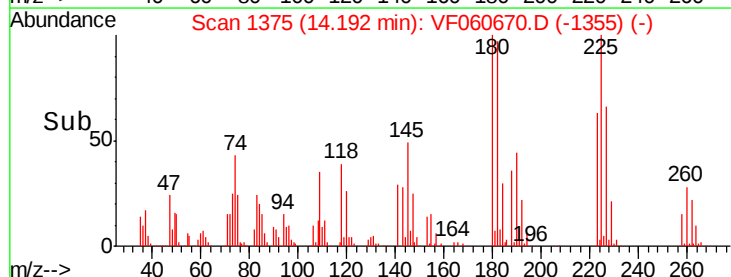
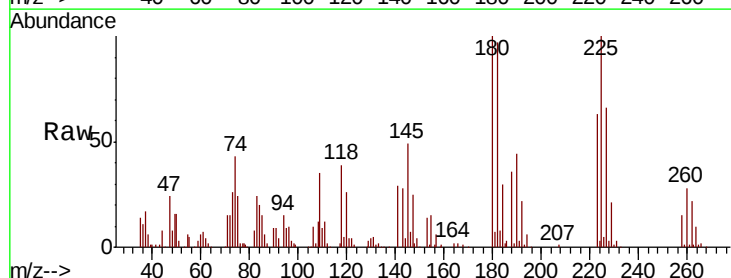
Manual Integrations
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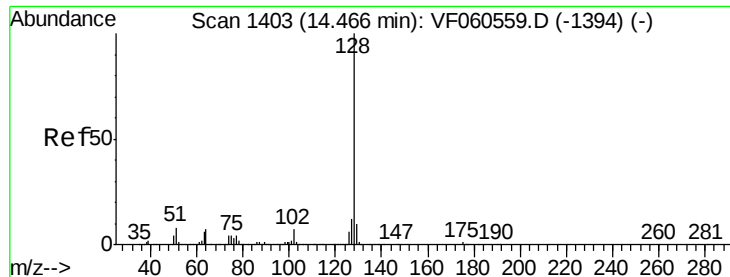
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#94
 Hexachlorobutadiene
 Concen: 21.277 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF060670.D
 Acq: 9 Nov 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61241		
223	63.4	30.9	92.5	
227	65.9	33.9	101.6	





#95

Naphthalene

Concen: 20.639 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. -0.01 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Instrument :

MSVOA_F

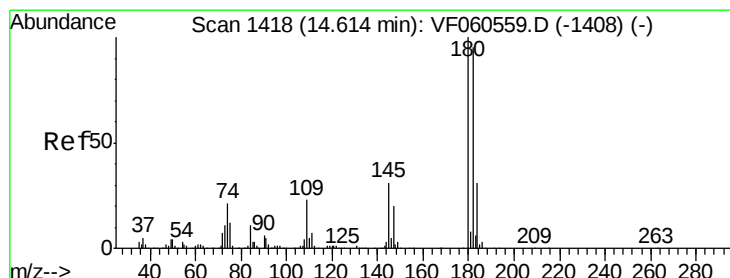
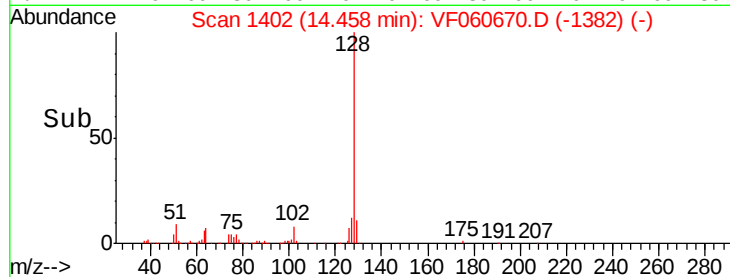
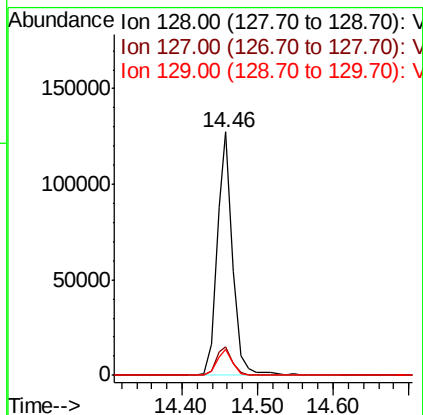
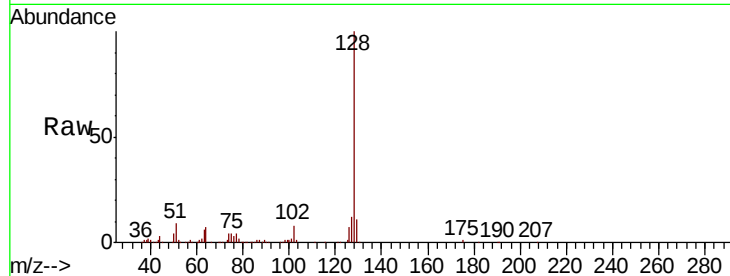
ClientSampleId :

VF1109SBS01

Tot Ion:	128	Resp:	183488
Ion Ratio	Lower	Upper	
128	100		
127	12.0	9.4	14.0
129	10.6	8.4	12.6

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 21.094 ug/l

RT: 14.61 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF060670.D

Acq: 9 Nov 2018 13:49

Tgt Ion:	180	Resp:	88508
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.3	142.0
145	31.9	15.6	46.8

