

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF031619\
 Data File : VF061977.D
 Acq On : 16 Mar 2019 13:51
 Operator : VA/AP
 Sample : VSTDIC100
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 22 02:35:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:28:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	264023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	399886	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	348879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	177243	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	174394	91.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.52%	
35) Dibromofluoromethane	4.11	113	238020	88.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	177.28%	
50) Toluene-d8	7.56	98	699922	89.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.32%	
62) 4-Bromofluorobenzene	11.41	95	263155	84.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	168.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	240626	85.493	ug/l	98
3) Chloromethane	1.10	50	249177	87.117	ug/l #	88
4) Vinyl Chloride	1.15	62	252029	91.107	ug/l	95
5) Bromomethane	1.33	94	162943	83.848	ug/l	99
6) Chloroethane	1.39	64	118193	82.765	ug/l	94
7) Trichlorofluoromethane	1.48	101	328443	89.619	ug/l	91
8) Diethyl Ether	1.63	74	77175	94.726	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.85	101	224213	86.834	ug/l	94
10) Methyl Iodide	1.92	142	320522	70.923	ug/l	98
11) Tert butyl alcohol	2.57	59	52072	447.755	ug/l	100
12) 1,1-Dichloroethene	1.80	96	198466	89.064	ug/l	97
13) Acrolein	2.00	56	57631	459.048	ug/l	95
14) Allyl chloride	2.09	41	244684	86.021	ug/l	94
15) Acrylonitrile	2.94	53	171377	484.595	ug/l	96
16) Acetone	2.24	43	186056	435.959	ug/l	99
17) Carbon Disulfide	1.77	76	94671	14.690	ug/l	98
18) Methyl Acetate	2.35	43	90969	100.349	ug/l	92
19) Methyl tert-butyl Ether	2.43	73	365950	90.631	ug/l	98
20) Methylene Chloride	2.18	84	72150	32.838	ug/l #	89
21) trans-1,2-Dichloroethene	2.31	96	211134	90.793	ug/l	95
22) Diisopropyl ether	2.80	45	623643	91.150	ug/l	99
23) Vinyl Acetate	3.19	43	1284162	476.114	ug/l	97
24) 1,1-Dichloroethane	2.87	63	368958	92.742	ug/l	99
25) 2-Butanone	4.34	43	365263	432.155	ug/l	94
26) 2,2-Dichloropropane	3.59	77	165073	87.968	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	265097	90.446	ug/l	97
28) Bromochloromethane	3.72	49	157359	95.326	ug/l	96
29) Tetrahydrofuran	4.06	42	157784	429.253	ug/l	99
30) Chloroform	3.86	83	402653	89.328	ug/l	97
31) Cyclohexane	3.69	56	212923	54.628	ug/l	98
32) 1,1,1-Trichloroethane	4.09	97	279747	93.451	ug/l	98
36) 1,1-Dichloropropene	4.28	75	332076	91.958	ug/l	97
37) Ethyl Acetate	4.10	43	141719	87.403	ug/l #	74
38) Carbon Tetrachloride	3.99	117	228860	86.717	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF031619\
 Data File : VF061977.D
 Acq On : 16 Mar 2019 13:51
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 22 02:35:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:28:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	389008	91.760	ug/l	97
40) Benzene	4.63	78	859153	89.788	ug/l	100
41) Methacrylonitrile	4.75	41	76214	87.976	ug/l	96
42) 1,2-Dichloroethane	4.94	62	224870	94.403	ug/l	97
43) Isopropyl Acetate	6.95	43	170774	89.018	ug/l #	94
44) Trichloroethene	5.50	130	263292	89.823	ug/l	100
45) 1,2-Dichloropropane	6.23	63	208741	92.180	ug/l	97
46) Dibromomethane	6.09	93	133960	99.442	ug/l	94
47) Bromodichloromethane	6.38	83	303387	95.527	ug/l	99
48) Methyl methacrylate	6.72	41	113785	91.772	ug/l #	91
49) 1,4-Dioxane	6.71	88	22611	2050.203	ug/l	86
51) 4-Methyl-2-Pentanone	8.26	43	608857	446.932	ug/l	95
52) Toluene	7.62	92	523853	89.601	ug/l	93
53) t-1,3-Dichloropropene	8.28	75	238207	88.842	ug/l	97
54) cis-1,3-Dichloropropene	7.30	75	330405	94.441	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	155234	95.133	ug/l	98
56) Ethyl methacrylate	8.62	69	173673	93.629	ug/l	98
57) 1,3-Dichloropropane	8.86	76	253162	93.008	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.30	63	170975	508.891	ug/l #	89
59) 2-Hexanone	9.49	43	409264	415.114	ug/l	98
60) Dibromochloromethane	8.72	129	223345	98.595	ug/l	92
61) 1,2-Dibromoethane	8.99	107	162947	93.096	ug/l	98
64) Tetrachloroethene	8.16	164	227659	89.772	ug/l	96
65) Chlorobenzene	9.80	112	574653	88.470	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	229820	91.279	ug/l	97
67) Ethyl Benzene	9.90	91	961416	86.445	ug/l	97
68) m/p-Xylenes	10.13	106	726012	173.563	ug/l	97
69) o-Xylene	10.71	106	391439	87.455	ug/l	98
70) Styrene	10.79	104	535661	86.384	ug/l	99
71) Bromoform	10.77	173	120634	94.725	ug/l	99
73) Isopropylbenzene	11.13	105	1097760	89.650	ug/l	97
74) N-amyl acetate	11.37	43	266287	94.907	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	186347	92.197	ug/l	96
76) 1,2,3-Trichloropropane	11.80	75	132599	93.820	ug/l	96
77) Bromobenzene	11.50	156	262112	92.432	ug/l	94
78) n-propylbenzene	11.60	91	1217796	86.491	ug/l	95
79) 2-Chlorotoluene	11.72	91	711616	89.540	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	867966	87.750	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.86	75	79528	127.196	ug/l	92
82) 4-Chlorotoluene	11.89	91	692619	86.179	ug/l	97
83) tert-Butylbenzene	12.13	119	920444	88.979	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	852095	86.005	ug/l	99
85) sec-Butylbenzene	12.31	105	1235340	88.388	ug/l	94
86) p-Isopropyltoluene	12.46	119	1012504	86.818	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	476597	85.514	ug/l	96
88) 1,4-Dichlorobenzene	12.56	146	485940	90.587	ug/l	96
89) n-Butylbenzene	12.84	91	950333	86.719	ug/l	96
90) Hexachloroethane	12.92	117	261371	98.206	ug/l	87
91) 1,2-Dichlorobenzene	12.94	146	461614	89.426	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	31324	96.577	ug/l	70

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031619\
Data File : VF061977.D
Acq On : 16 Mar 2019 13:51
Operator : VA/AP
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Mar 22 02:35:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:28:16 2019
Response via : Initial Calibration

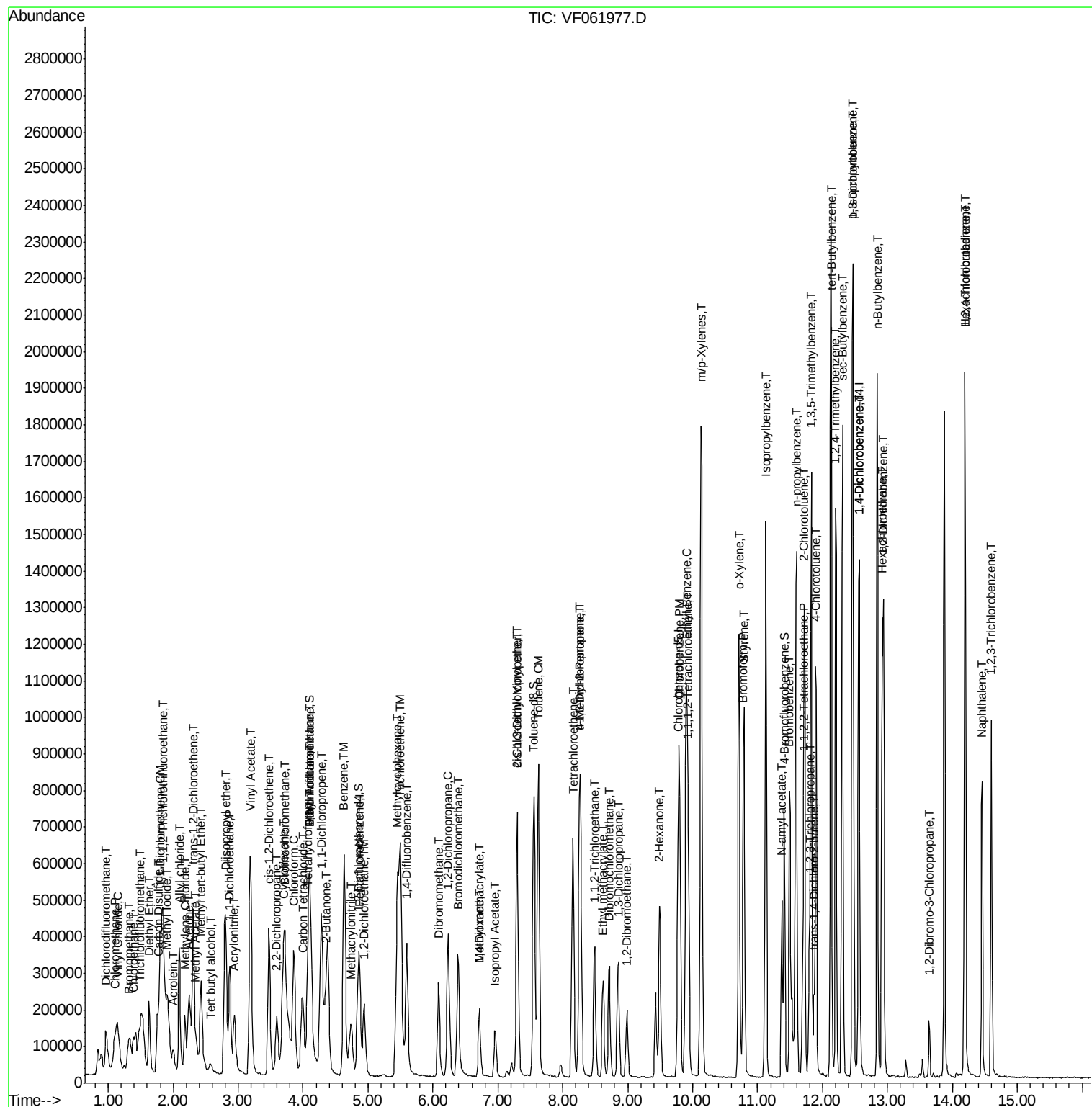
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	313358	87.175	ug/l	97
94) Hexachlorobutadiene	14.19	225	215566	90.333	ug/l	98
95) Naphthalene	14.46	128	647339	100.130	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	310950	94.026	ug/l	99

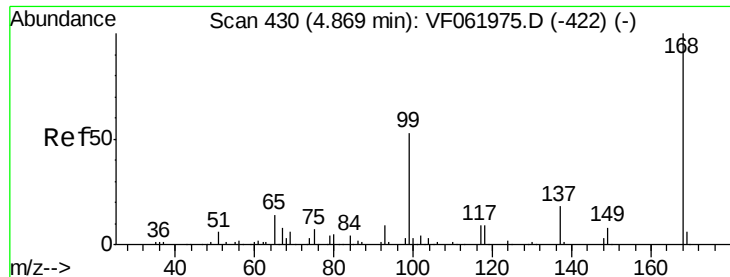
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031619\
 Data File : VF061977.D
 Acq On : 16 Mar 2019 13:51
 Operator : VA/AP
 Sample : VSTDIC100
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 22 02:35:16 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:28:16 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

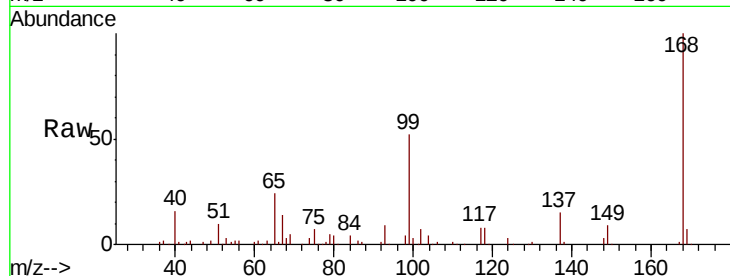
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 264023

Ion Ratio Lower Upper

168 100

99 51.9 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

60000

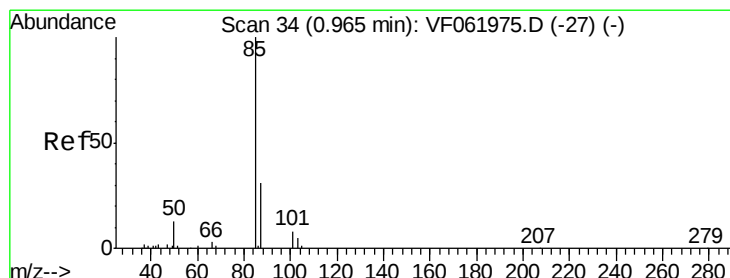
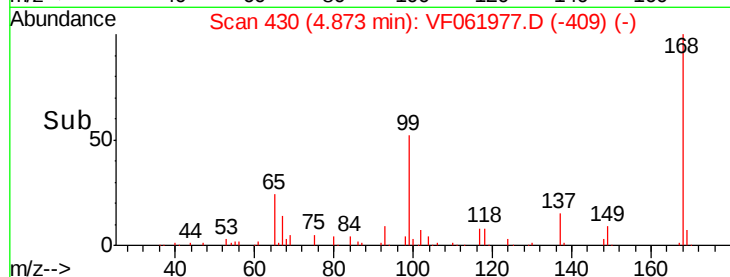
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 85.493 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061977.D

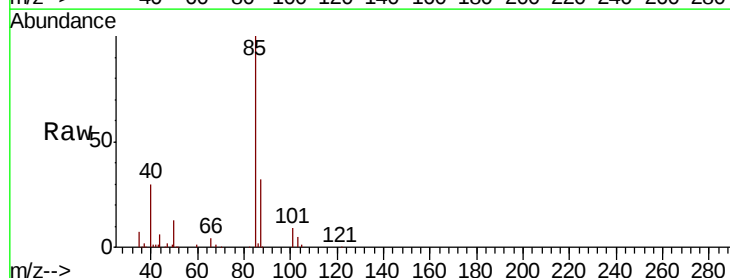
Acq: 16 Mar 2019 13:51

Tgt Ion: 85 Resp: 240626

Ion Ratio Lower Upper

85 100

87 31.9 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

60000

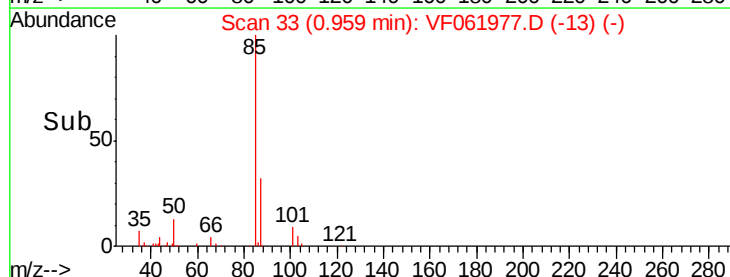
40000

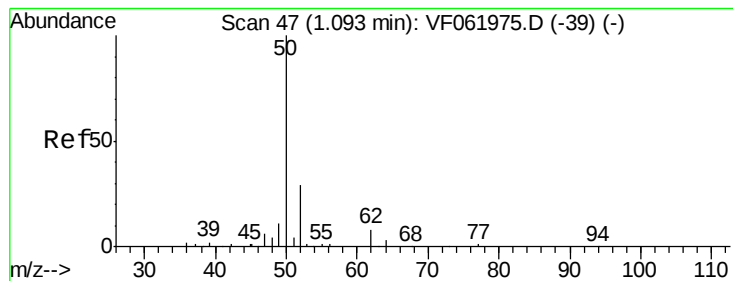
20000

0

Time-->

0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 87.117 ug/l

RT: 1.10 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

Instrument :

MSVOA_F

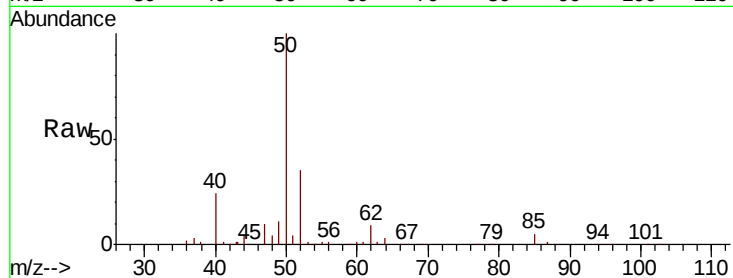
ClientSampleId :

Tot Ion: 50 Resp: 249177

Ion Ratio Lower Upper

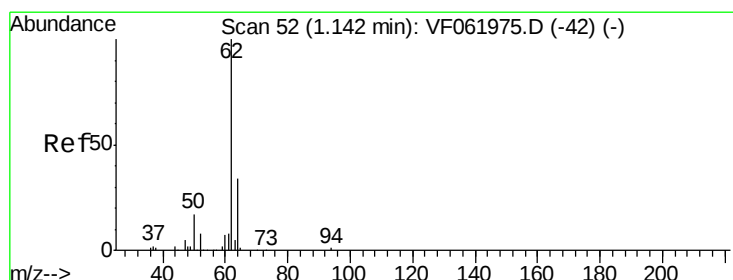
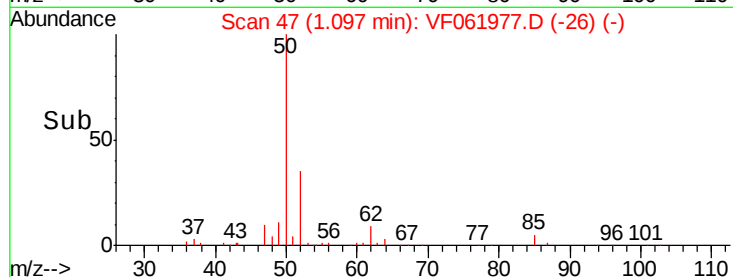
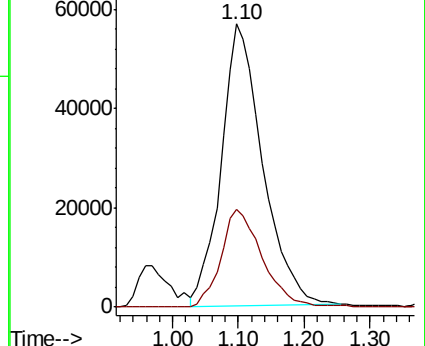
50 100

52 34.5 22.6 34.0#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 91.107 ug/l

RT: 1.15 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF061977.D

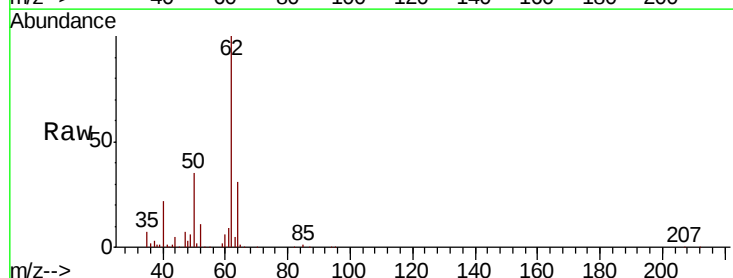
Acq: 16 Mar 2019 13:51

Tgt Ion: 62 Resp: 252029

Ion Ratio Lower Upper

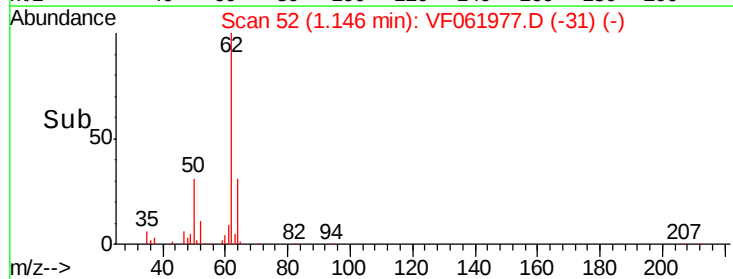
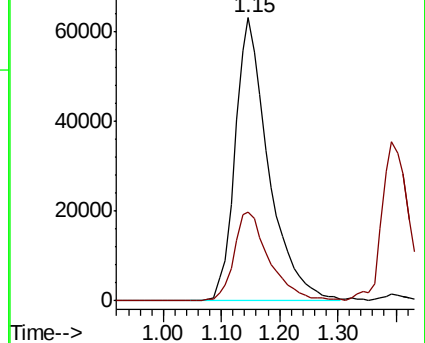
62 100

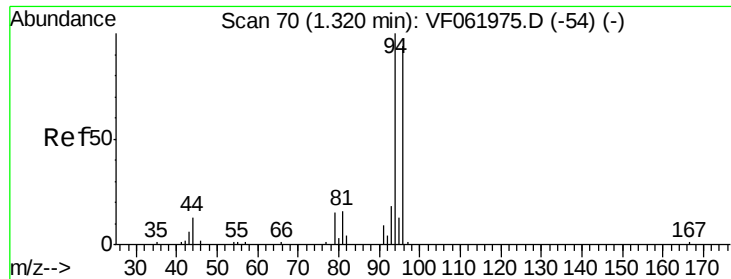
64 31.4 27.4 41.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 83.848 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

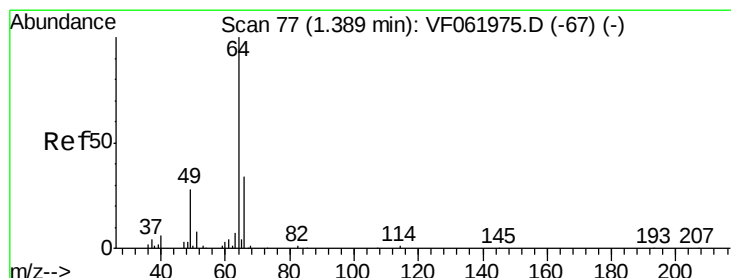
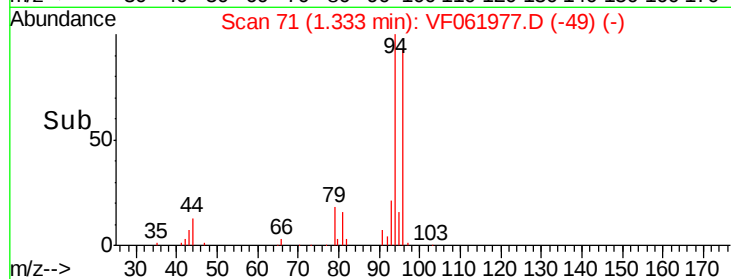
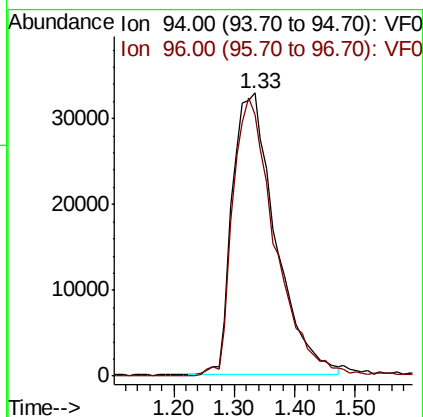
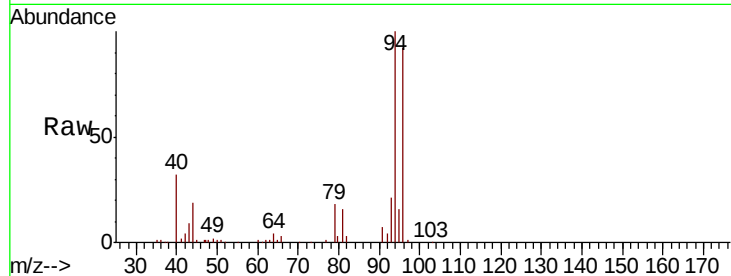
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 162943

Ion Ratio Lower Upper

94 100

96 92.5 75.0 112.6



#6

Chloroethane

Concen: 82.765 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.00 min

Lab File: VF061977.D

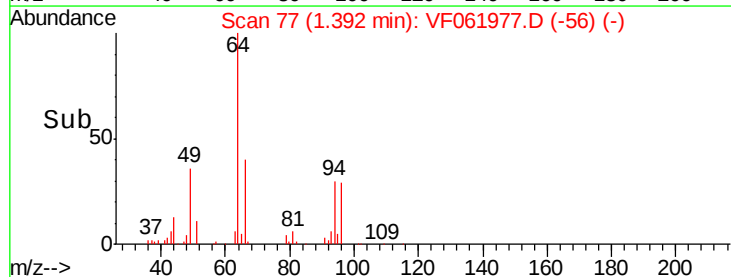
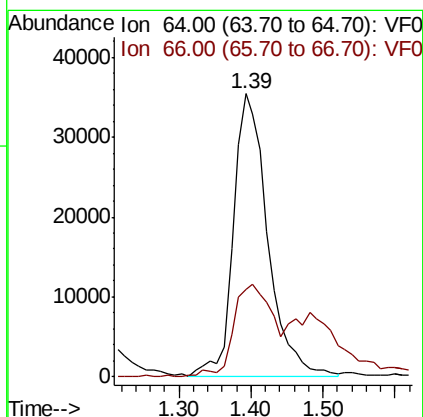
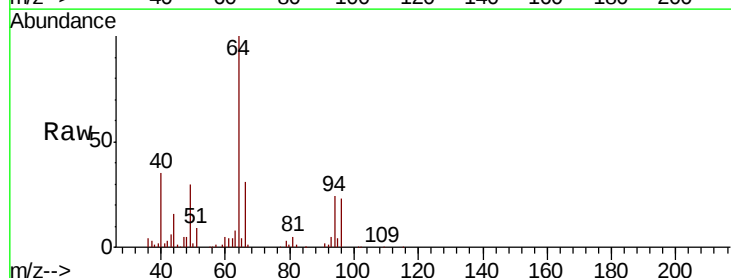
Acq: 16 Mar 2019 13:51

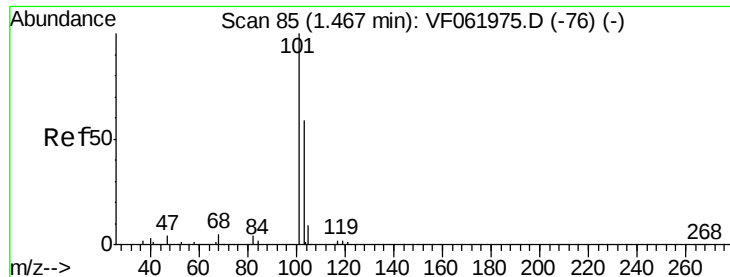
Tgt Ion: 64 Resp: 118193

Ion Ratio Lower Upper

64 100

66 31.0 27.6 41.4



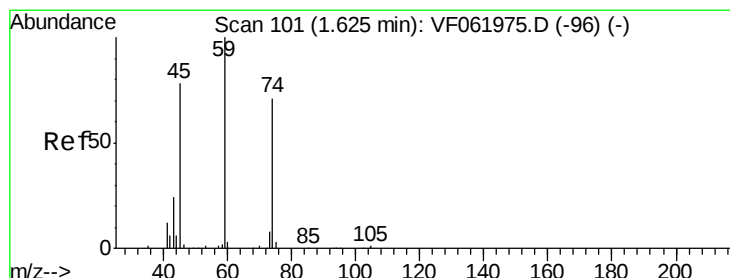
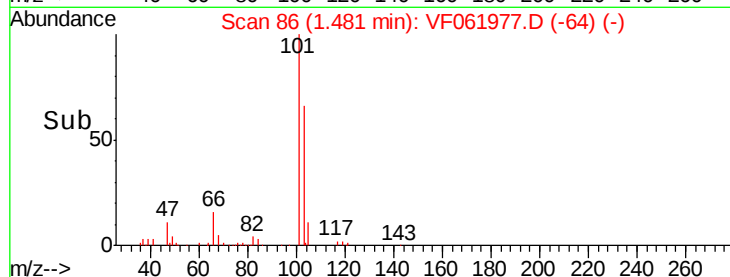
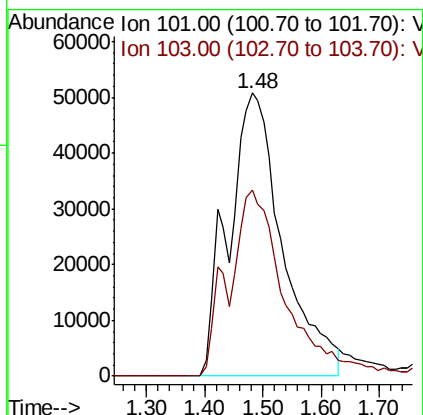
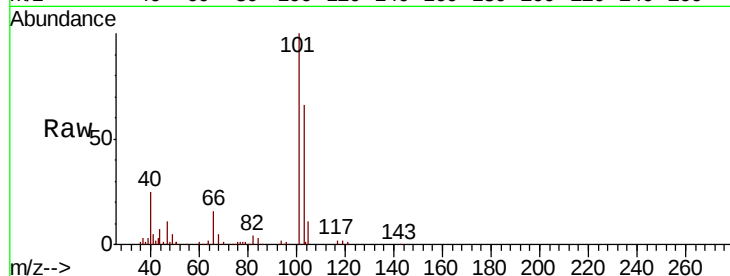


#7

Trichlorofluoromethane
Concen: 89.619 ug/l
RT: 1.48 min Scan# 86
Delta R.T. 0.01 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

Instrument :
MSVOA_F
ClientSampled :

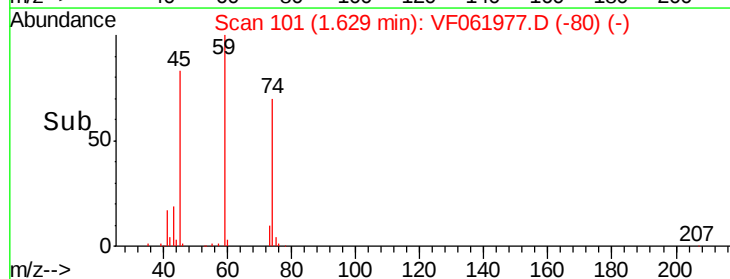
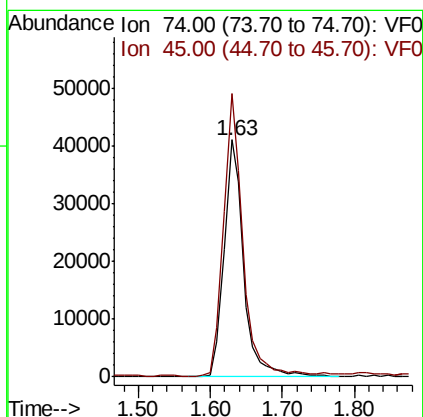
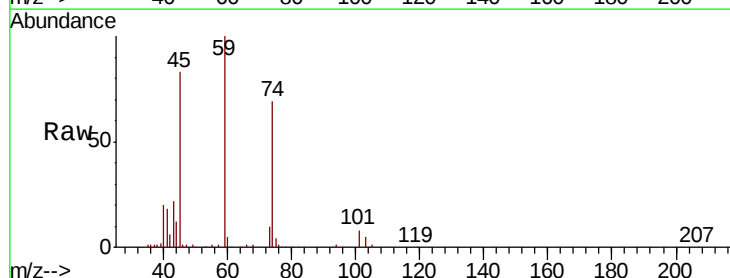
Tot Ion:101 Resp: 328443
Ion Ratio Lower Upper
101 100
103 65.8 47.3 70.9

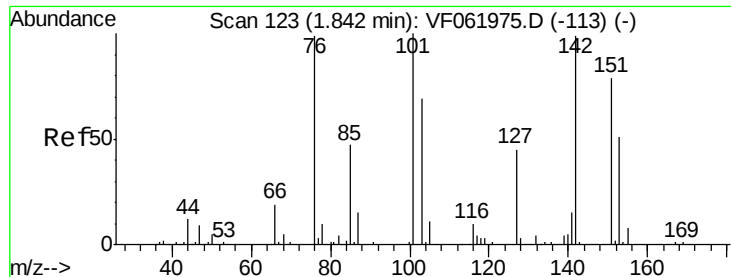


#8

Diethyl Ether
Concen: 94.726 ug/l
RT: 1.63 min Scan# 101
Delta R.T. 0.00 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

Tgt Ion: 74 Resp: 77175
Ion Ratio Lower Upper
74 100
45 119.4 56.3 168.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 86.834 ug/l

RT: 1.85 min Scan# 123

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

Instrument :

MSVOA_F

ClientSampled :

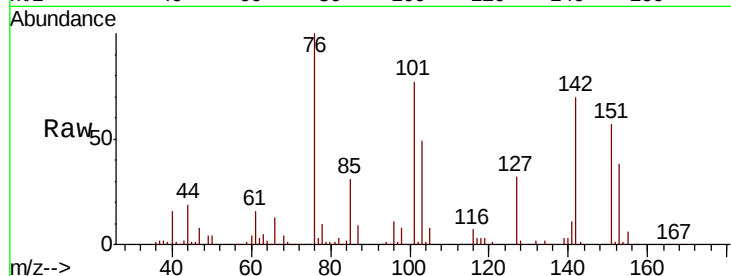
Tot Ion:101 Resp: 224213

Ion Ratio Lower Upper

101 100

85 39.9 36.8 55.2

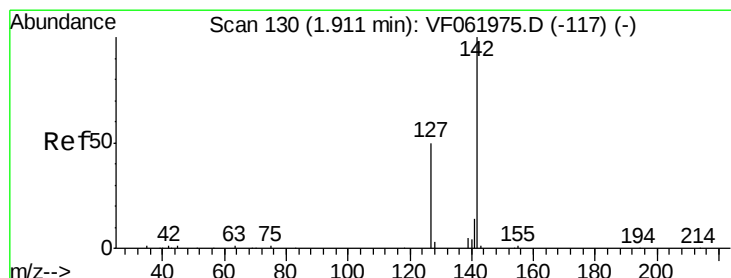
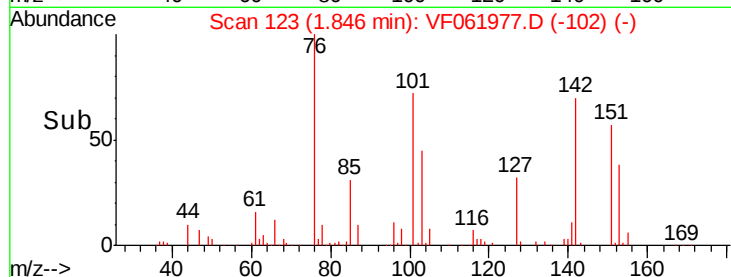
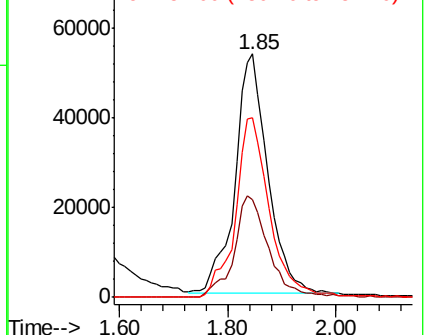
151 73.8 62.2 93.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 70.923 ug/l

RT: 1.92 min Scan# 130

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

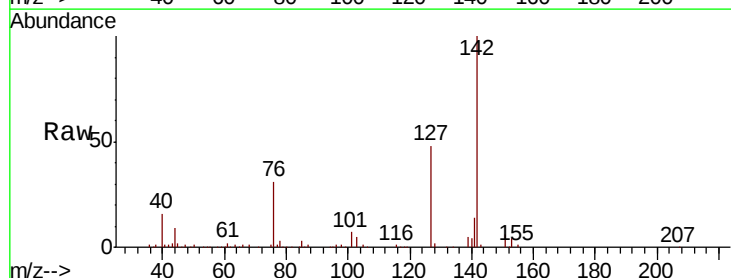
Tgt Ion:142 Resp: 320522

Ion Ratio Lower Upper

142 100

127 48.0 39.7 59.5

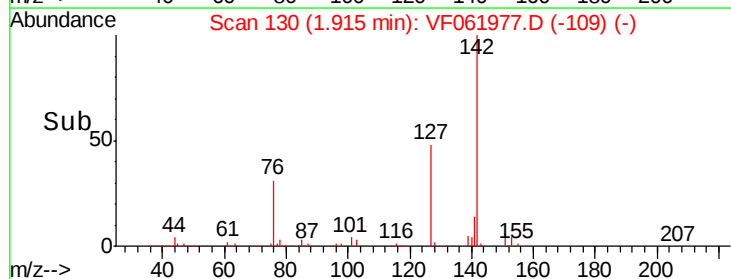
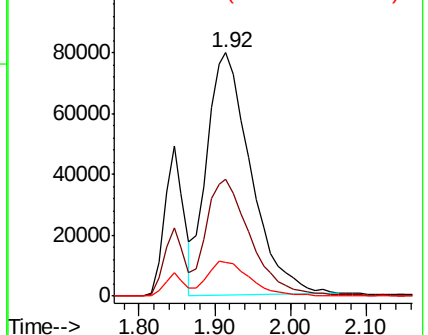
141 14.0 10.8 16.2

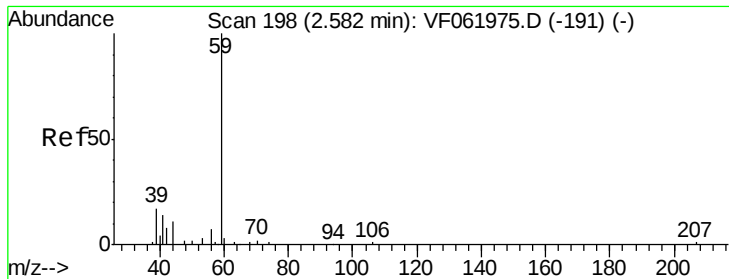


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



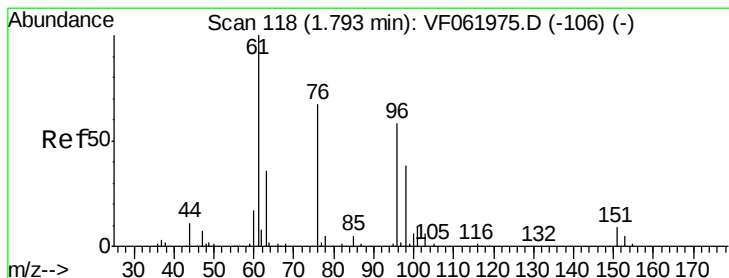
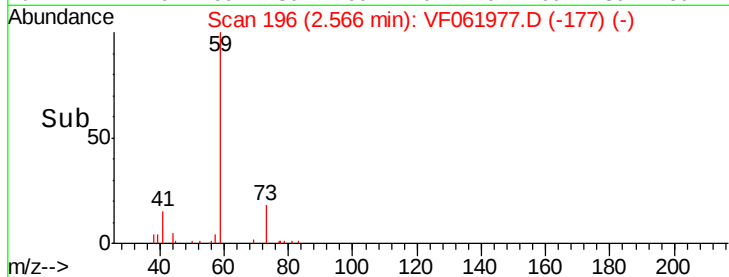
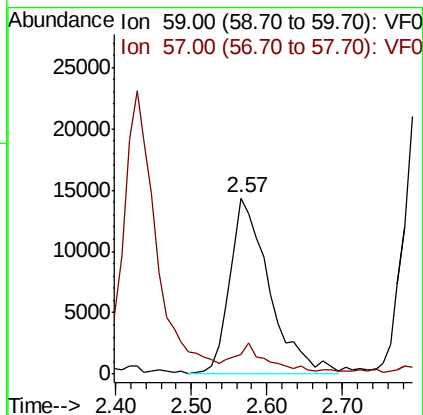
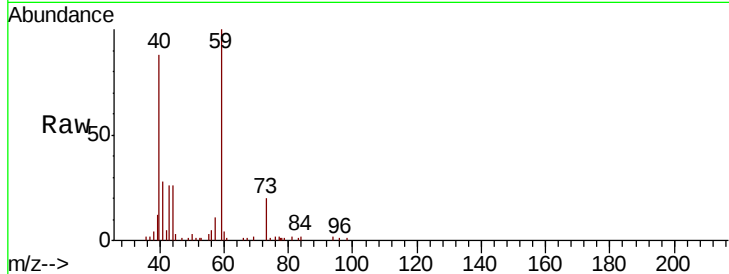


#11

Tert butyl alcohol
Concen: 447.755 ug/l
RT: 2.57 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

Instrument :
MSVOA_F
ClientSampled :

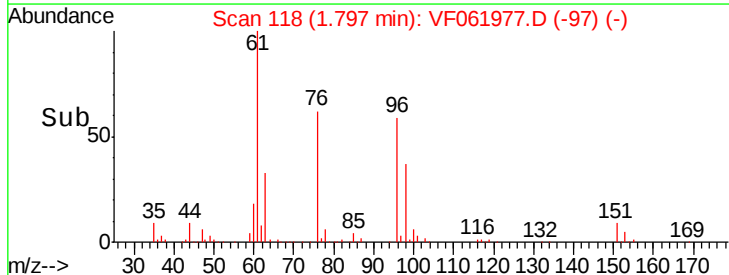
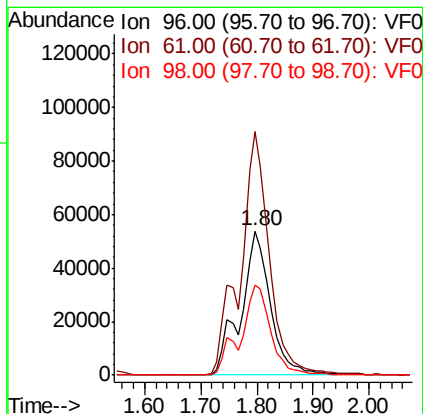
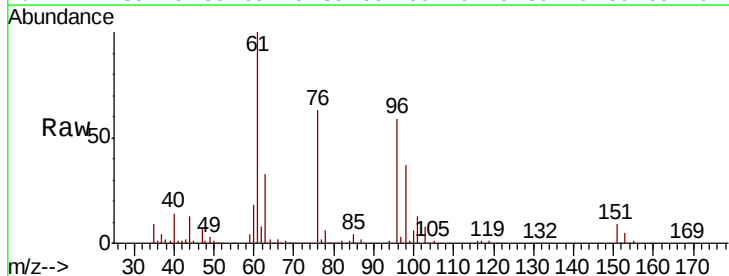
Tot Ion: 59 Resp: 52072
Ion Ratio Lower Upper
59 100
57 11.0 8.7 13.1

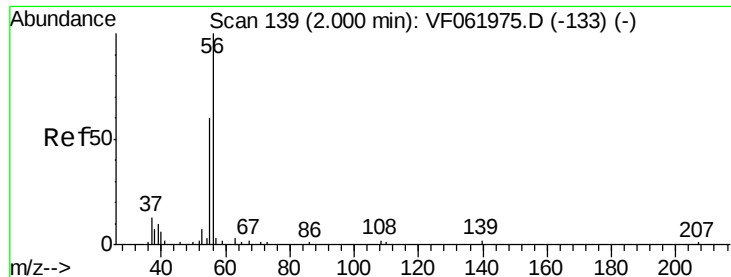


#12

1,1-Dichloroethene
Concen: 89.064 ug/l
RT: 1.80 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

Tgt Ion: 96 Resp: 198466
Ion Ratio Lower Upper
96 100
61 169.4 138.6 208.0
98 62.5 53.2 79.8





#13

Acrolein

Concen: 459.048 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

Instrument :

MSVOA_F

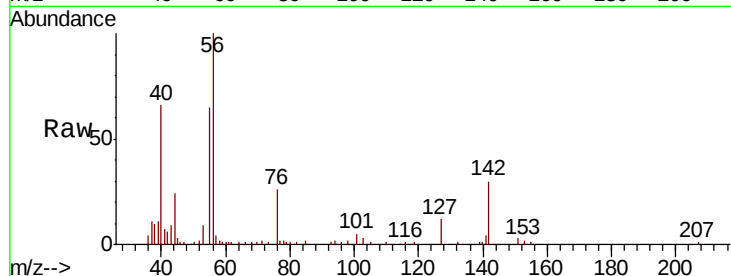
ClientSampleId :

Tot Ion: 56 Resp: 57631

Ion Ratio Lower Upper

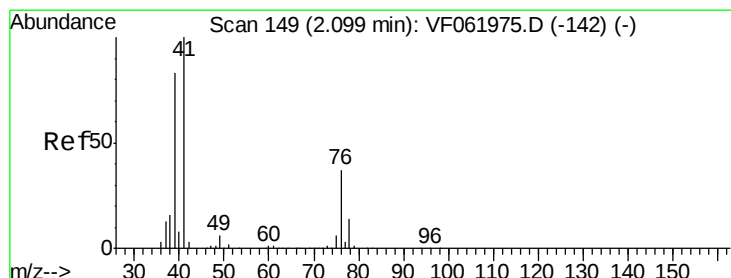
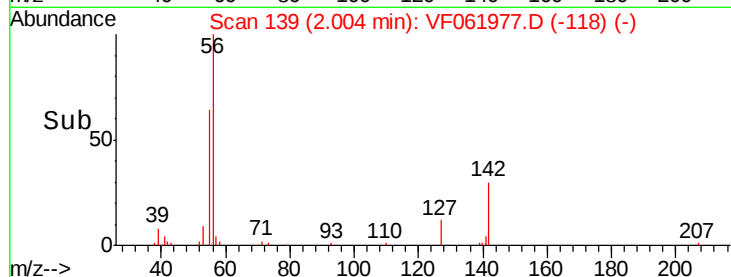
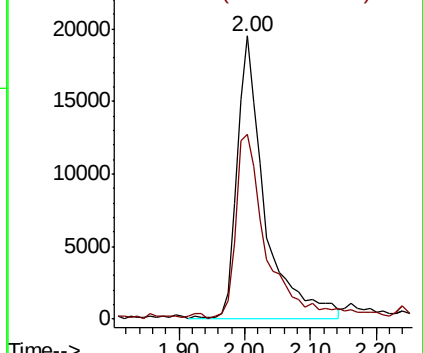
56 100

55 65.4 49.1 73.7



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 86.021 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

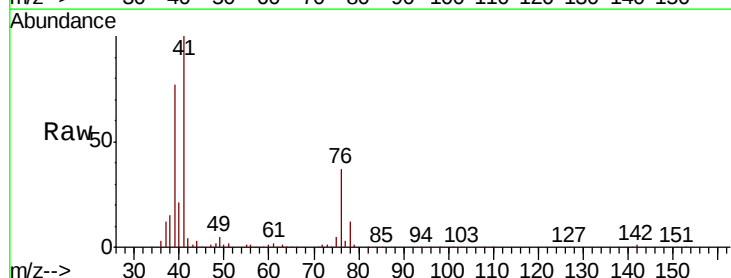
Tgt Ion: 41 Resp: 244684

Ion Ratio Lower Upper

41 100

39 77.5 66.8 100.2

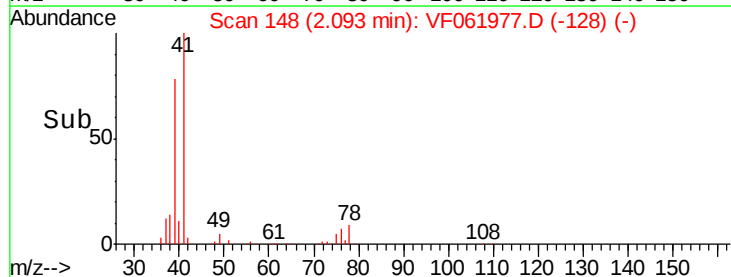
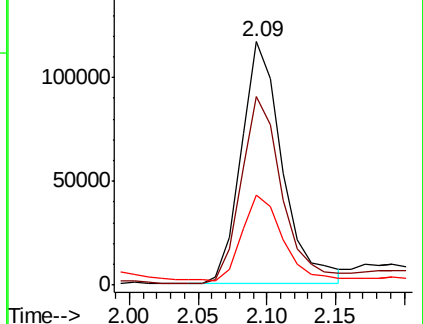
76 36.9 31.1 46.7

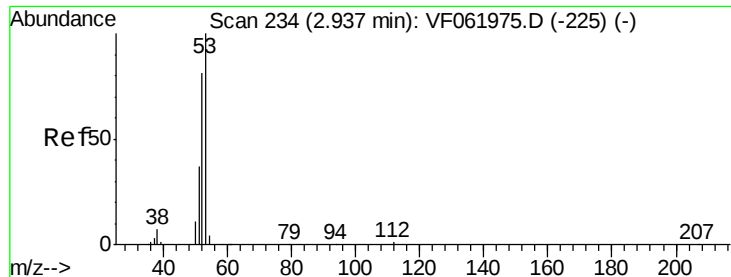


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 484.595 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.00 min

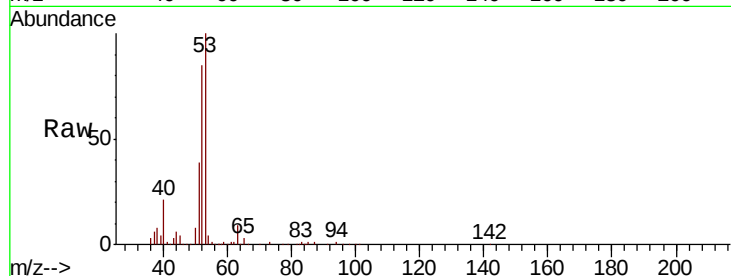
Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 171377

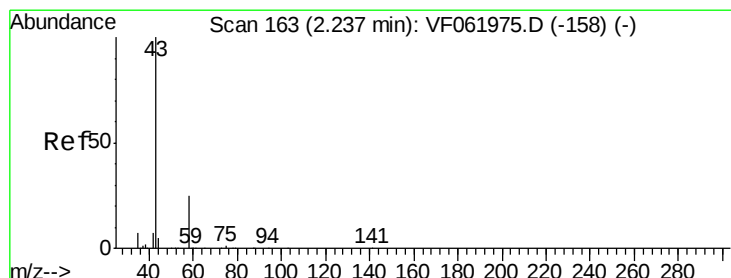
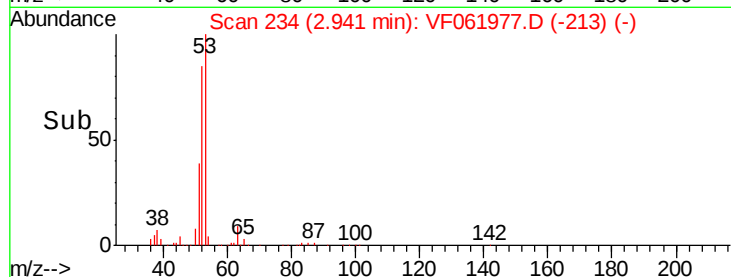
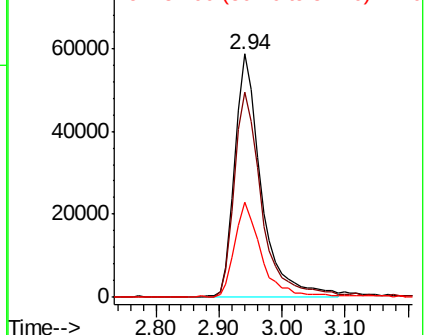
Ion	Ratio	Lower	Upper
53	100		
52	84.6	64.4	96.6
51	39.2	30.3	45.5



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 435.959 ug/l

RT: 2.24 min Scan# 163

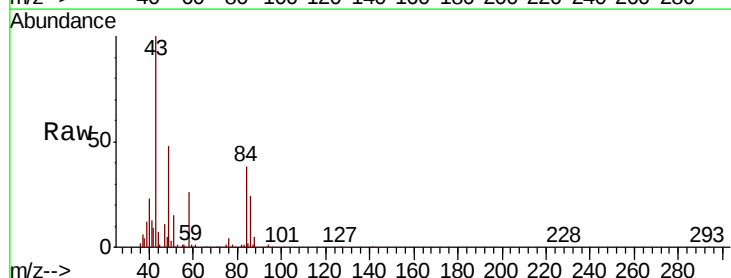
Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

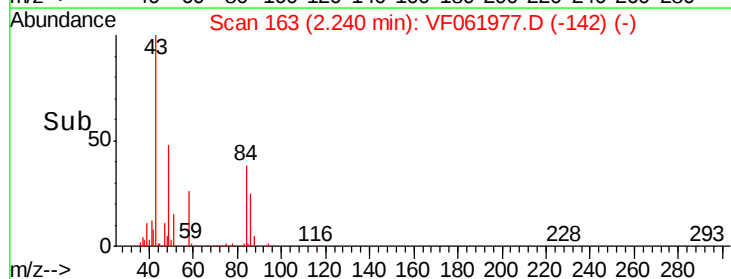
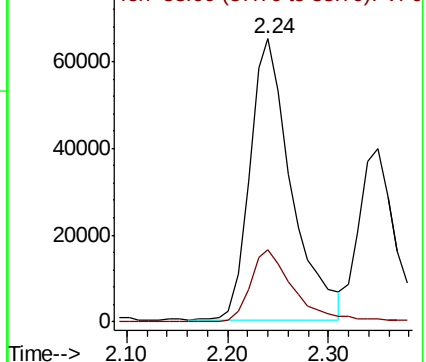
Tgt Ion: 43 Resp: 186056

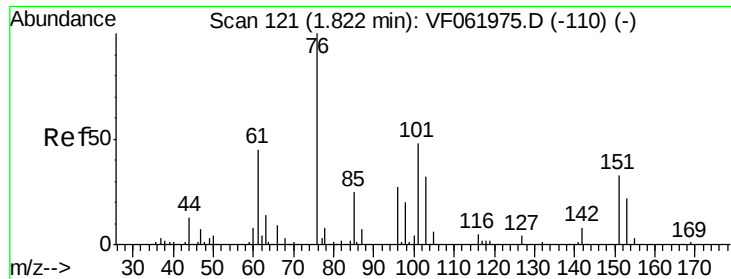
Ion	Ratio	Lower	Upper
43	100		
58	25.6	19.9	29.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

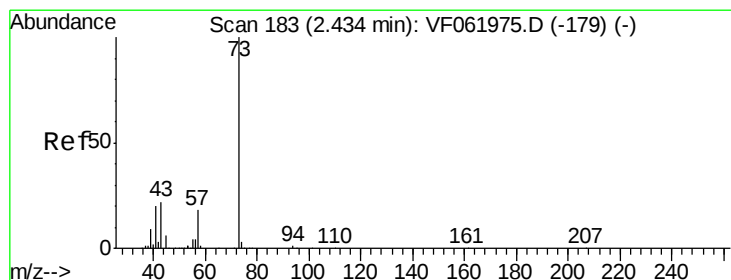
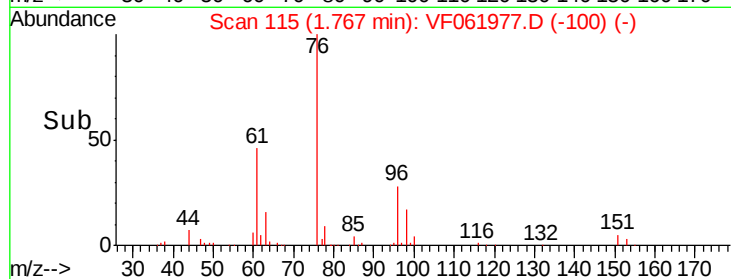
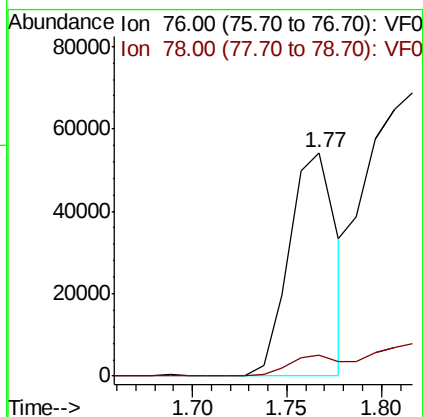
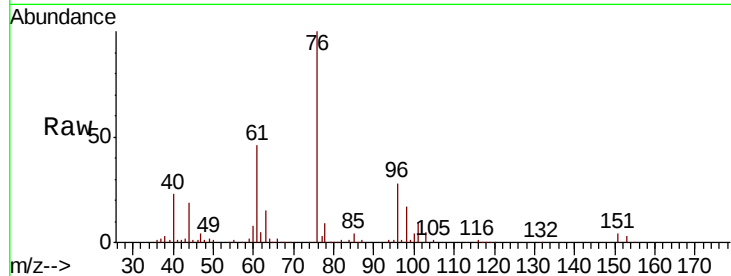




#17
Carbon Disulfide
Concen: 14.690 ug/l
RT: 1.77 min Scan# 115
Delta R.T. -0.06 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

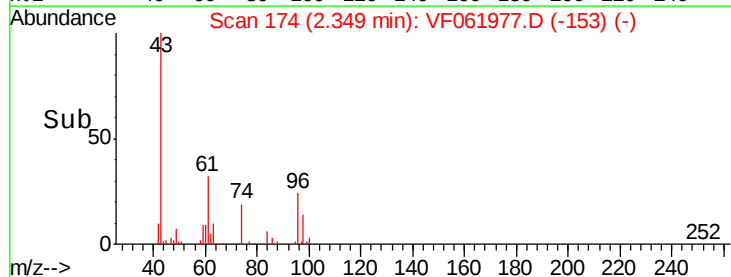
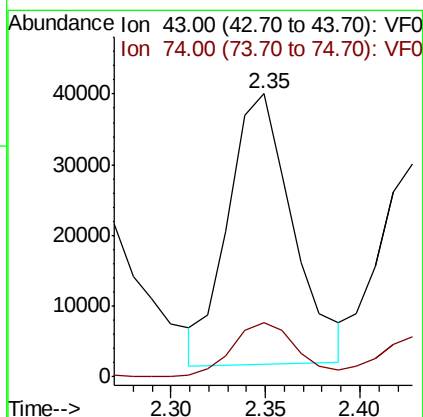
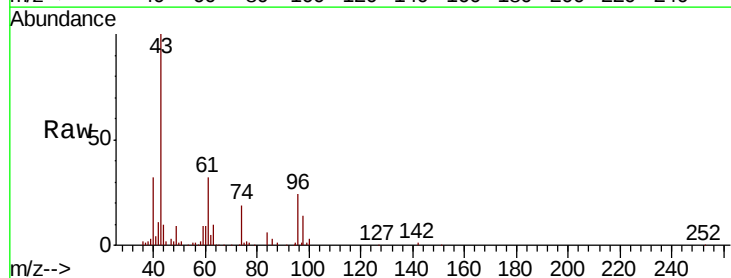
Instrument :
MSVOA_F
ClientSampled :

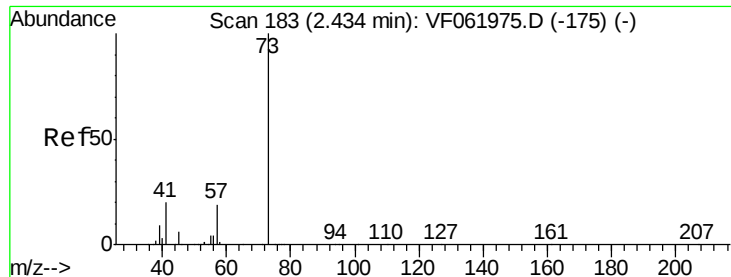
Tot Ion: 76 Resp: 94671
Ion Ratio Lower Upper
76 100
78 9.2 6.8 10.2



#18
Methyl Acetate
Concen: 100.349 ug/l
RT: 2.35 min Scan# 174
Delta R.T. 0.00 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

Tgt Ion: 43 Resp: 90969
Ion Ratio Lower Upper
43 100
74 19.0 18.3 27.5

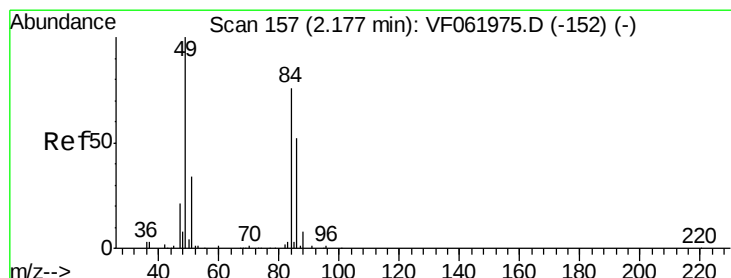
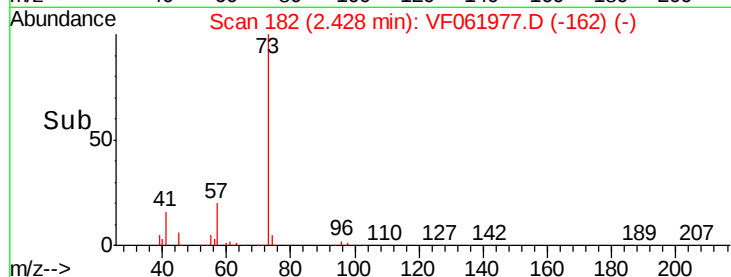
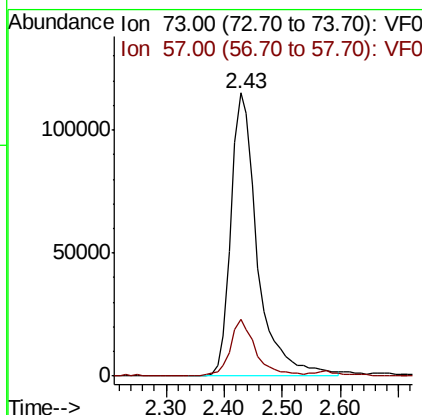
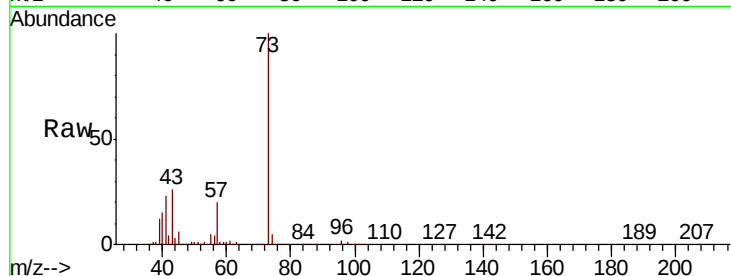




#19
Methvl tert-butvl Ether
Concen: 90.631 ug/l
RT: 2.43 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

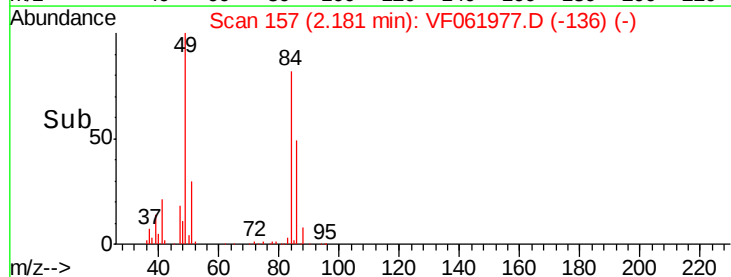
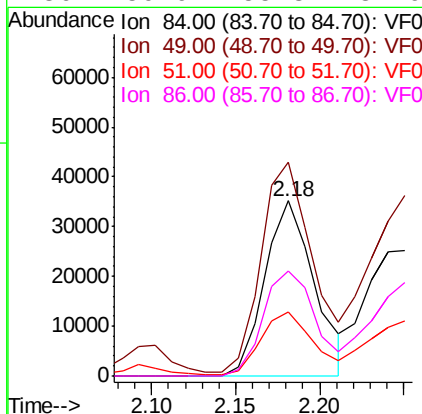
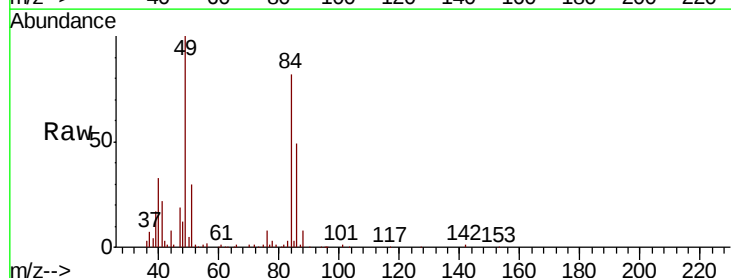
Instrument :
MSVOA_F
ClientSampleId :

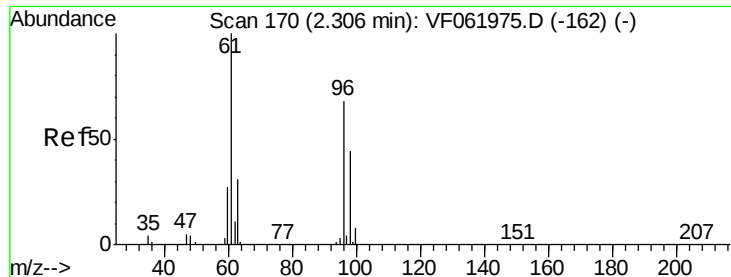
Tot Ion: 73 Resp: 365950
Ion Ratio Lower Upper
73 100
57 20.1 15.3 22.9



#20
Methylene Chloride
Concen: 32.838 ug/l
RT: 2.18 min Scan# 157
Delta R.T. 0.00 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

Tgt Ion: 84 Resp: 72150
Ion Ratio Lower Upper
84 100
49 121.8 107.0 160.6
51 36.7 37.2 55.8#
86 59.9 55.3 82.9





#21

trans-1,2-Dichloroethene

Concen: 90.793 ug/l

RT: 2.31 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

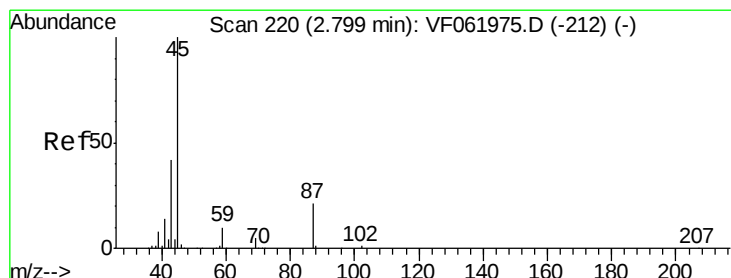
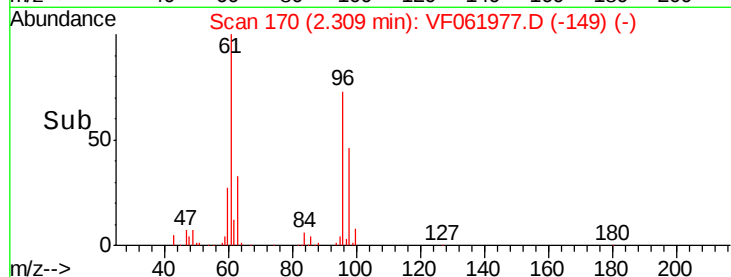
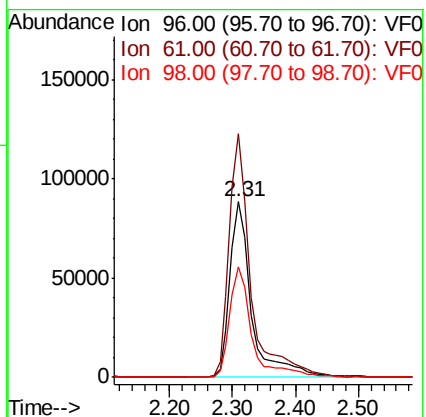
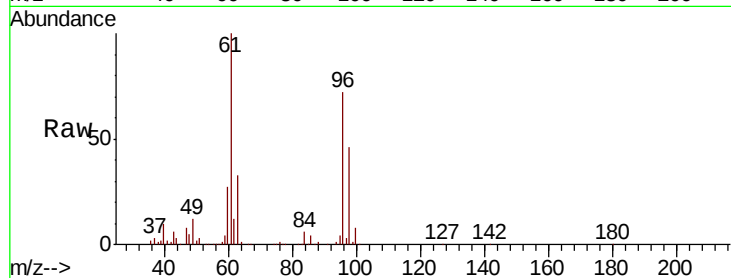
Tot Ion: 96 Resp: 211134

Ion Ratio Lower Upper

96 100

61 138.6 117.4 176.2

98 63.1 51.2 76.8



#22

Diisopropyl ether

Concen: 91.150 ug/l

RT: 2.80 min Scan# 220

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

Tgt Ion: 45 Resp: 623643

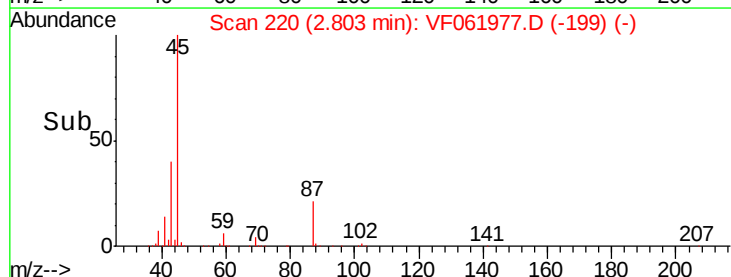
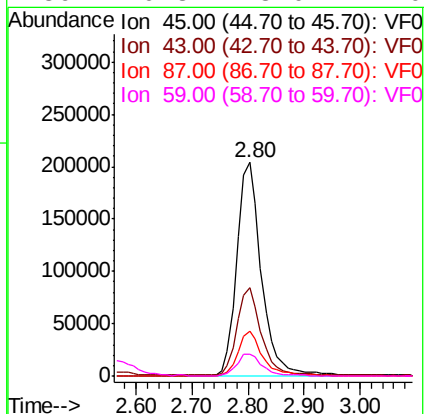
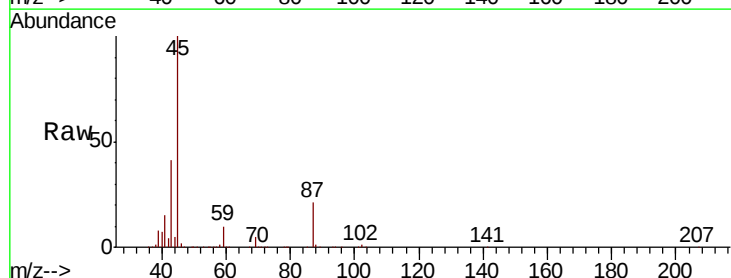
Ion Ratio Lower Upper

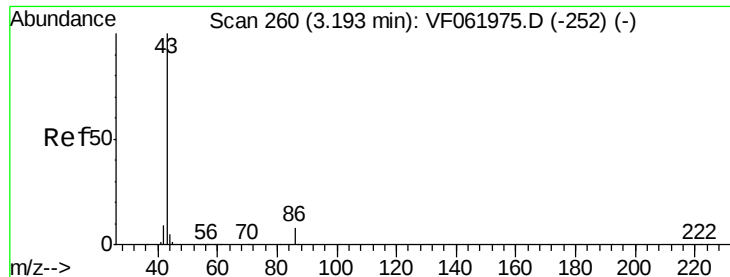
45 100

43 41.3 33.7 50.5

87 20.9 17.1 25.7

59 10.3 8.0 12.0





#23

Vinyl Acetate

Concen: 476.114 ug/l

RT: 3.19 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

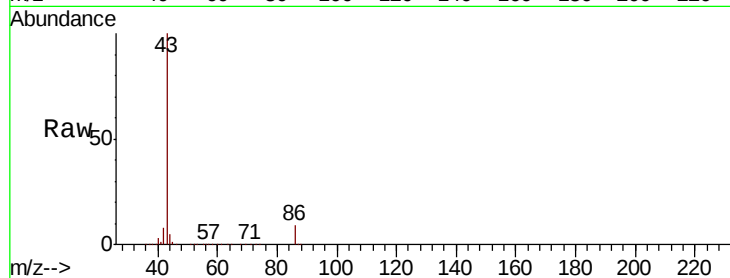
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1284162

Ion Ratio Lower Upper

43 100

86 9.0 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.19

500000

400000

300000

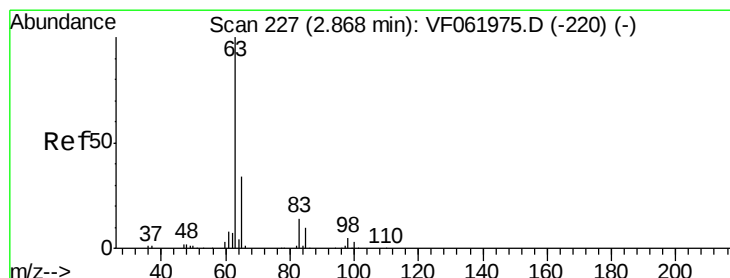
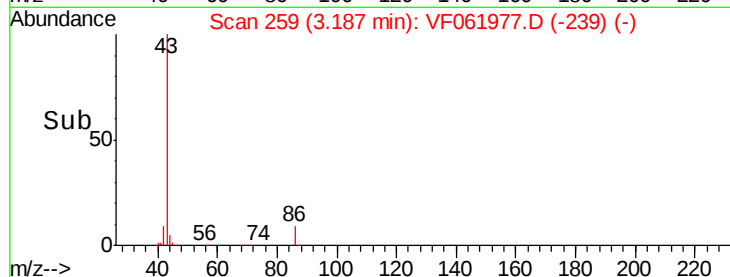
200000

100000

0

Time-->

3.00 3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 92.742 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

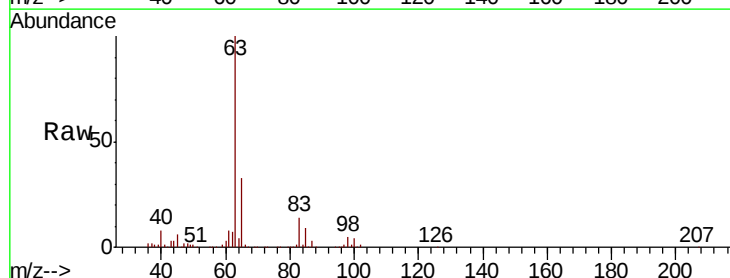
Tgt Ion: 63 Resp: 368958

Ion Ratio Lower Upper

63 100

98 5.3 2.7 8.1

100 3.5 1.7 5.0



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

2.87

150000

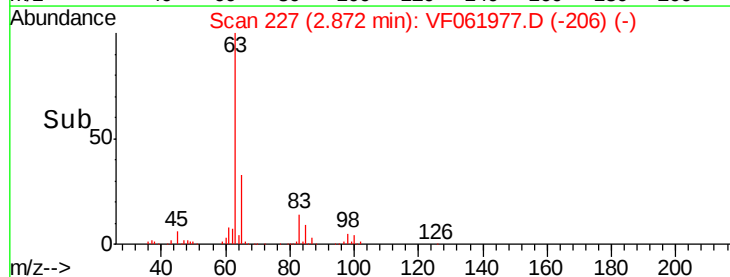
100000

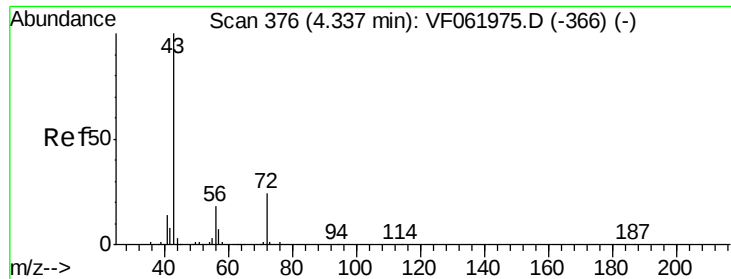
50000

0

Time-->

2.70 2.80 2.90 3.00 3.10





#25

2-Butanone

Concen: 432.155 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

Instrument :

MSVOA_F

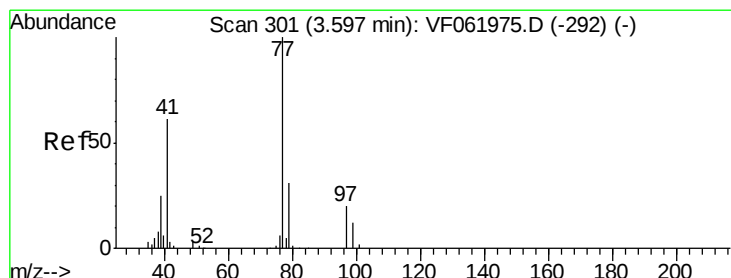
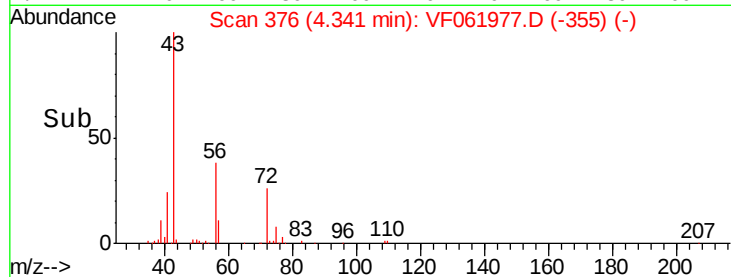
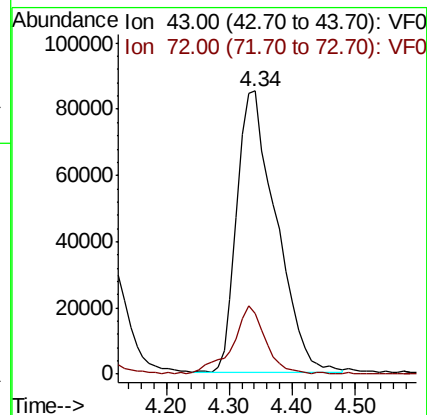
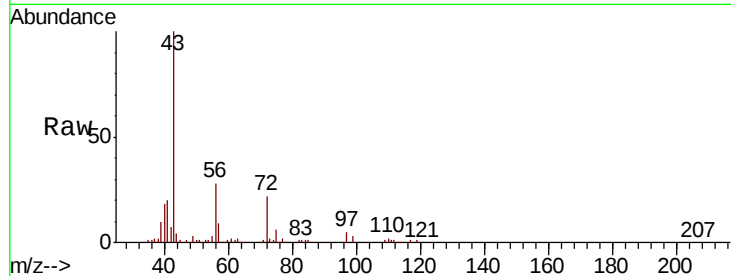
ClientSampleId :

Tot Ion: 43 Resp: 365263

Ion Ratio Lower Upper

43 100

72 21.6 19.8 29.6



#26

2,2-Dichloropropane

Concen: 87.968 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.01 min

Lab File: VF061977.D

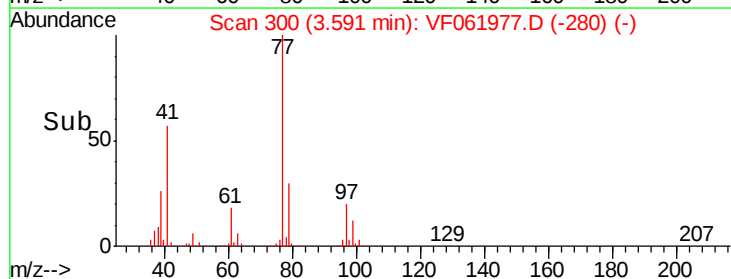
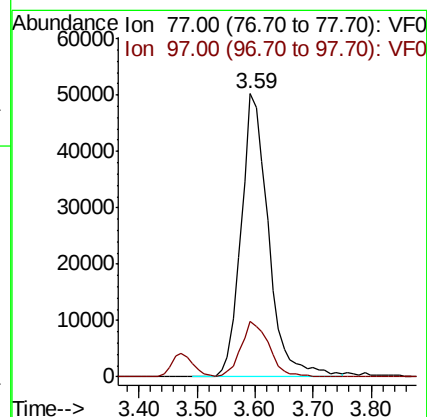
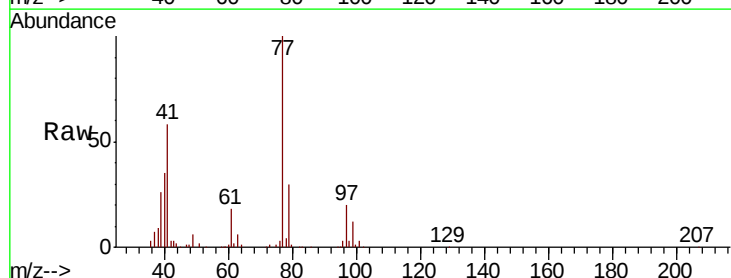
Acq: 16 Mar 2019 13:51

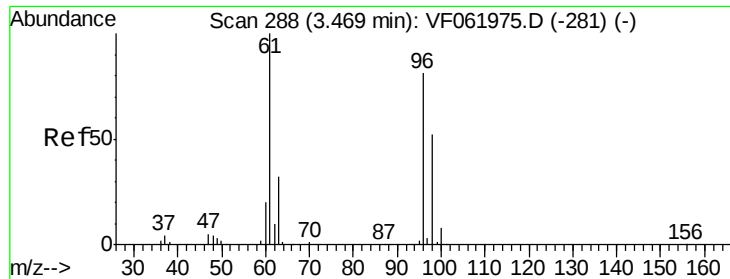
Tgt Ion: 77 Resp: 165073

Ion Ratio Lower Upper

77 100

97 19.8 10.8 32.4



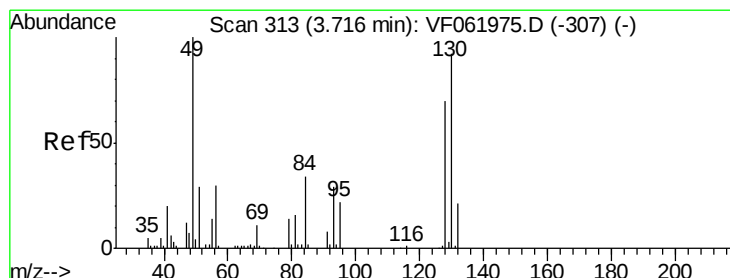
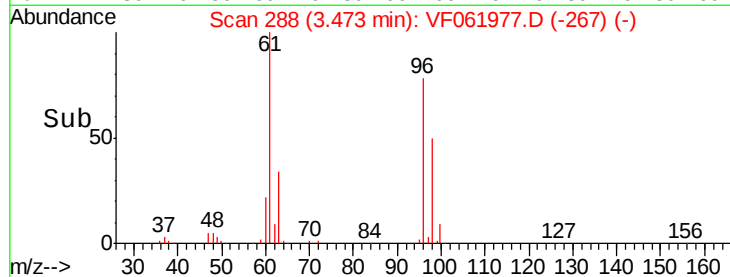
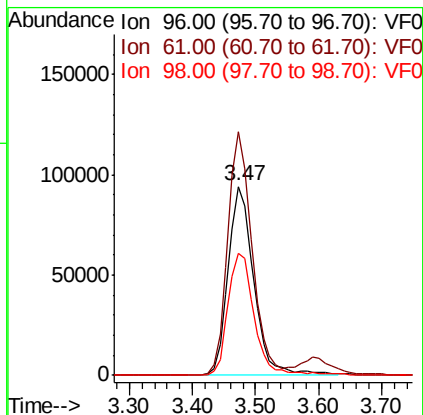
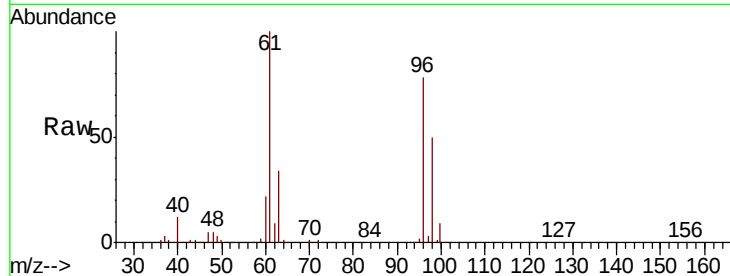


#27

cis-1,2-Dichloroethene
Concen: 90.446 ug/l
RT: 3.47 min Scan# 288
Delta R.T. 0.00 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

Instrument :
MSVOA_F
ClientSampleId :

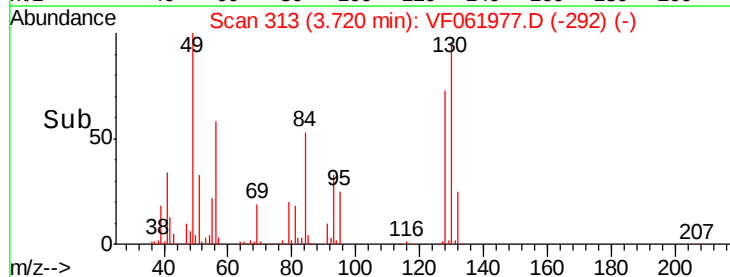
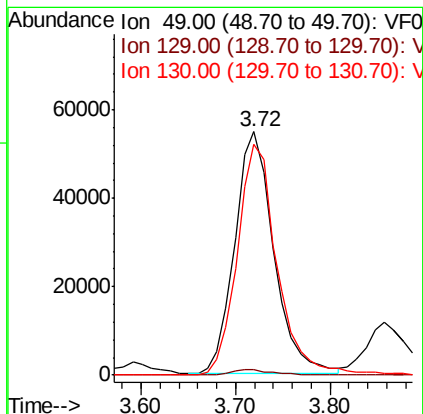
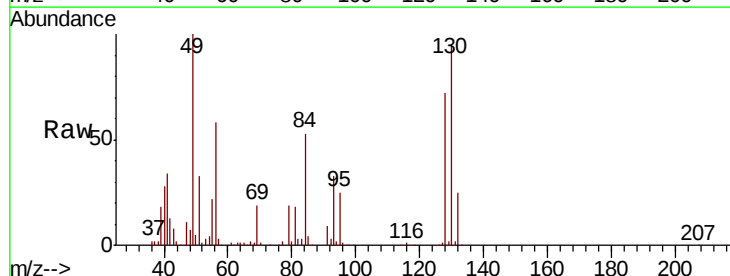
Tot Ion	Ratio	Lower	Upper
96	100		
61	128.8	0.0	246.6
98	64.5	0.0	129.2

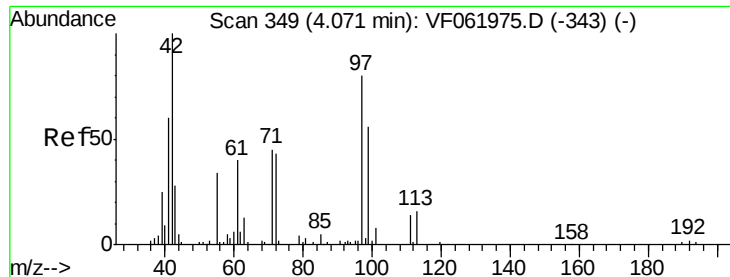


#28

Bromochloromethane
Concen: 95.326 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.00 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	5.8
130	94.9	73.1	109.7

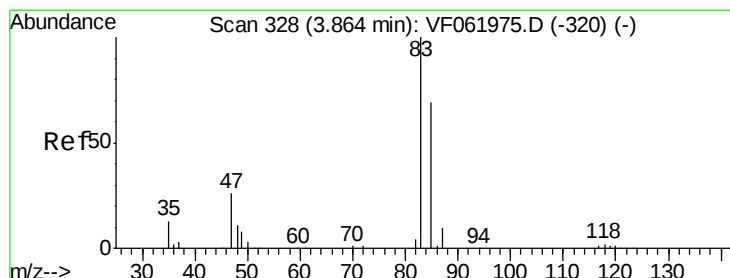
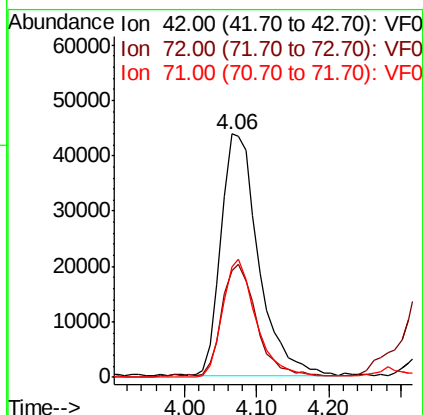
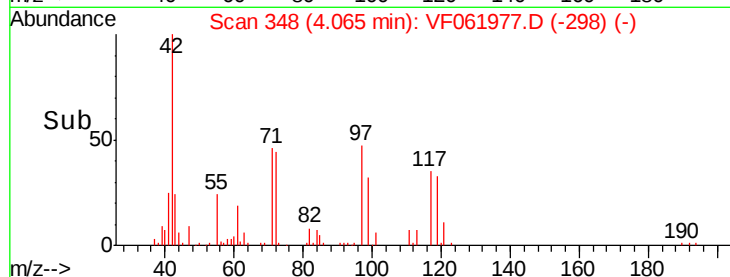
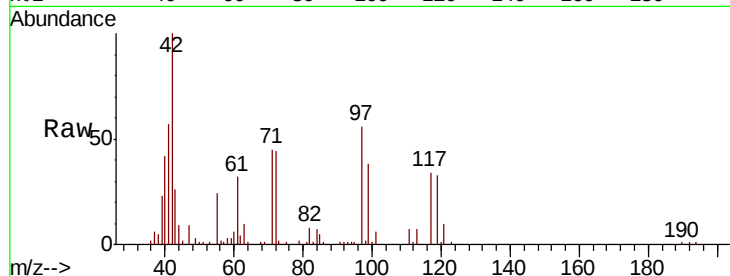




#29
Tetrahydrofuran
Concen: 429.253 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.01 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

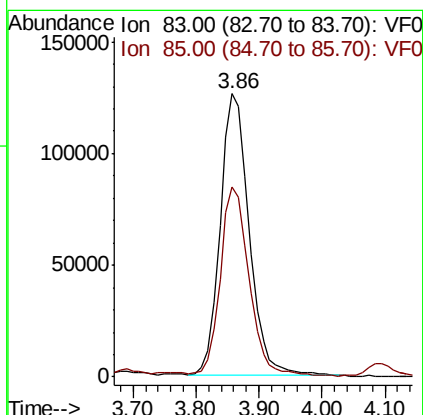
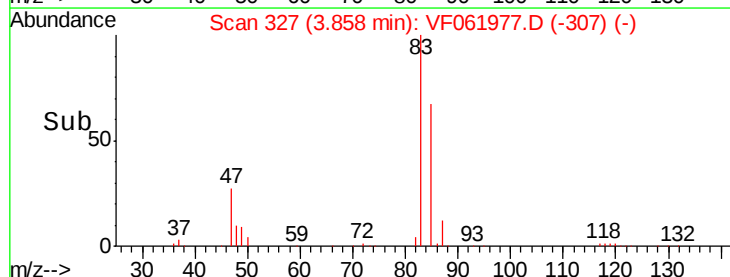
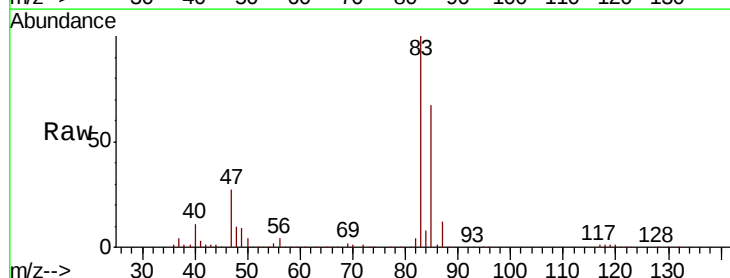
Instrument :
MSVOA_F
ClientSampled :

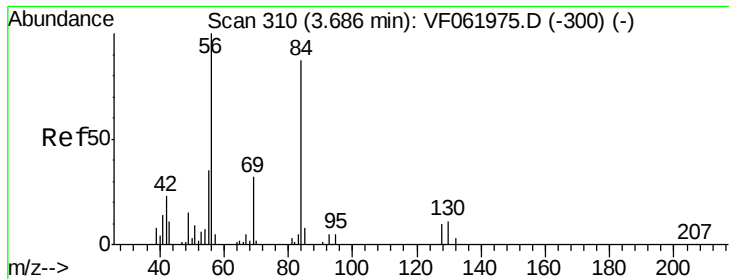
Tot Ion: 42 Resp: 157784
Ion Ratio Lower Upper
42 100
72 42.4 34.0 51.0
71 44.4 34.2 51.4



#30
Chloroform
Concen: 89.328 ug/l
RT: 3.86 min Scan# 327
Delta R.T. -0.01 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

Tgt Ion: 83 Resp: 402653
Ion Ratio Lower Upper
83 100
85 66.9 55.5 83.3





#31

Cyclohexane

Concen: 54.628 ug/l

RT: 3.69 min Scan# 310

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

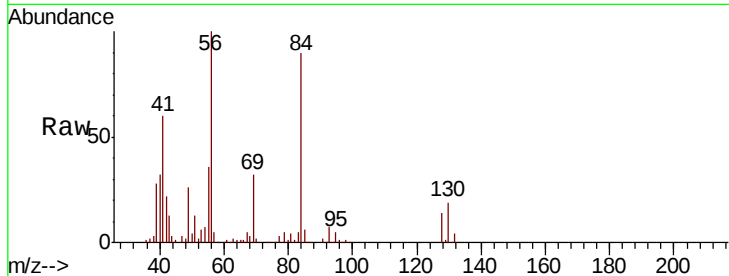
Tot Ion: 56 Resp: 212923

Ion Ratio Lower Upper

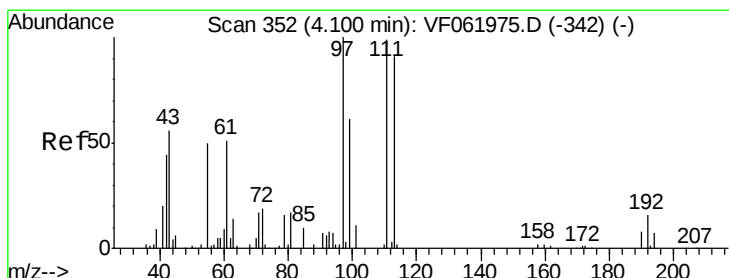
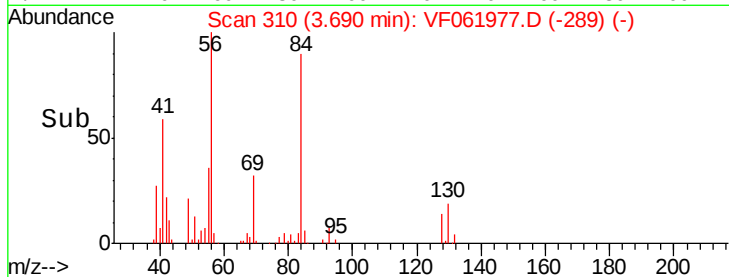
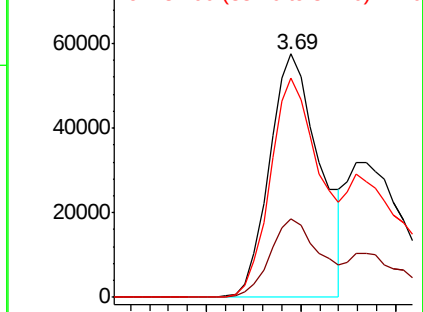
56 100

69 32.3 25.8 38.8

84 89.9 69.5 104.3



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 93.451 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.01 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

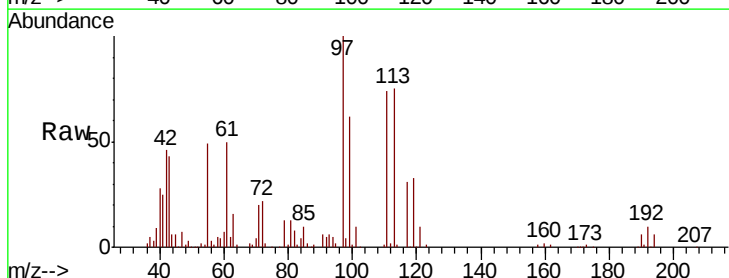
Tgt Ion: 97 Resp: 279747

Ion Ratio Lower Upper

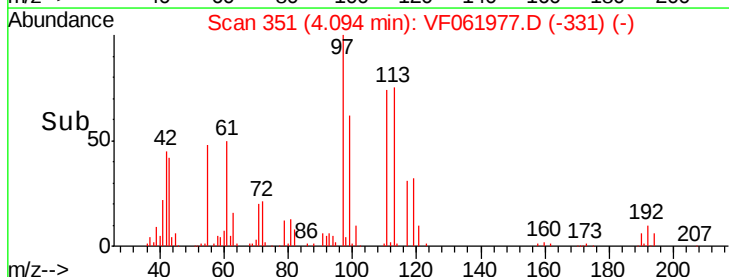
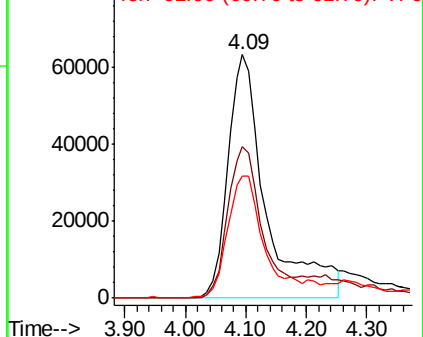
97 100

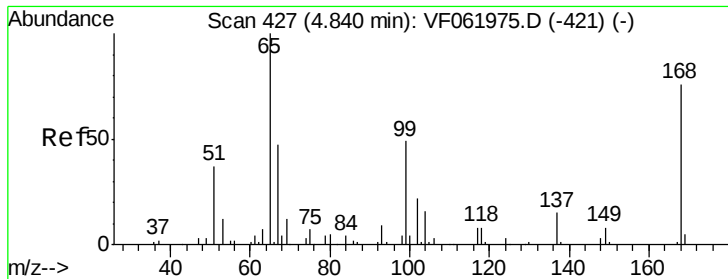
99 62.1 49.0 73.4

61 50.1 41.4 62.0



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 91.760 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

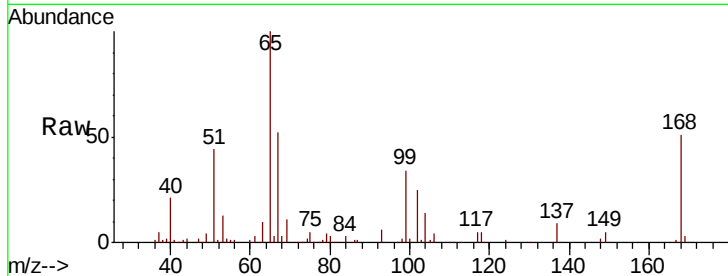
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 174394

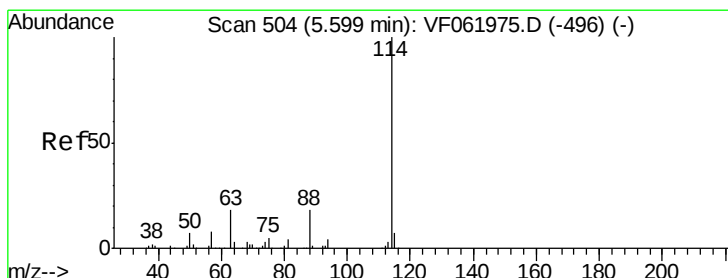
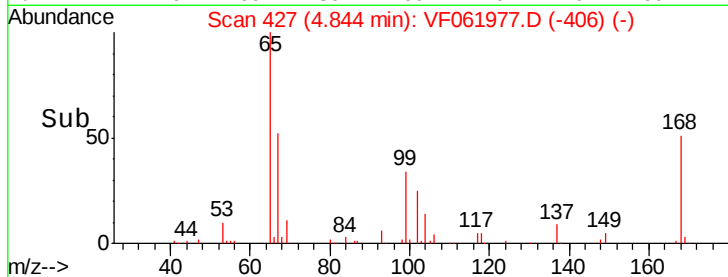
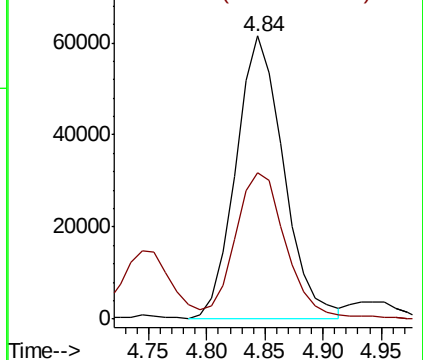
Ion Ratio Lower Upper

65 100

67 51.6 0.0 109.4



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.01 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

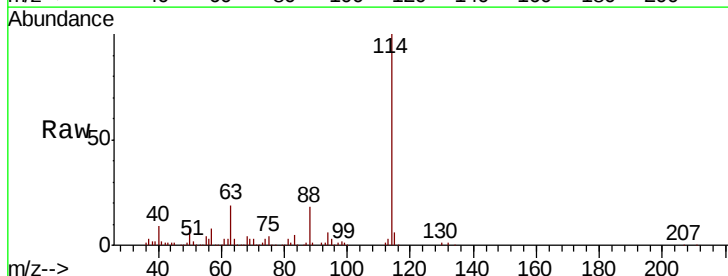
Tgt Ion: 114 Resp: 399886

Ion Ratio Lower Upper

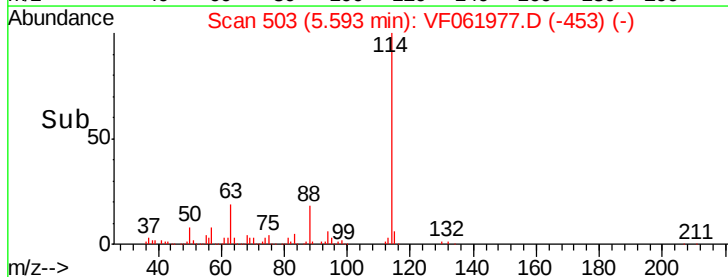
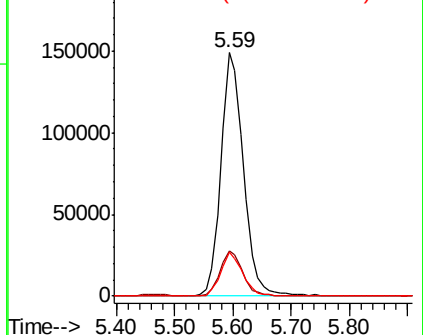
114 100

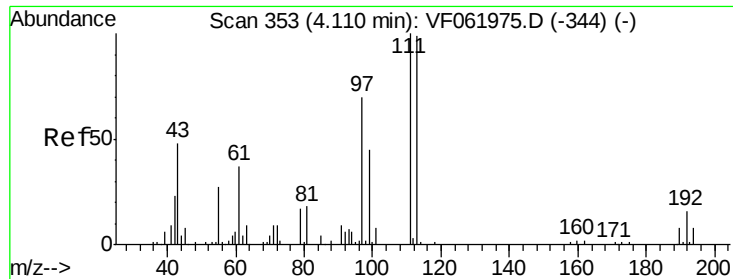
63 18.8 0.0 36.4

88 18.3 0.0 36.4



Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

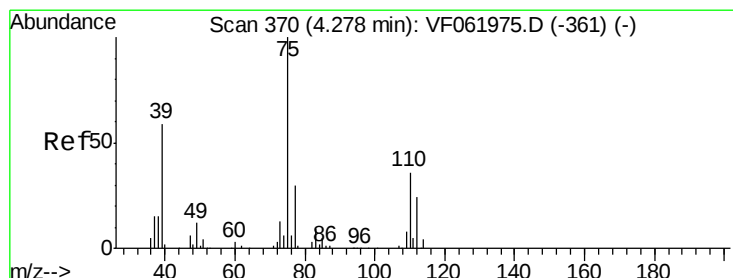
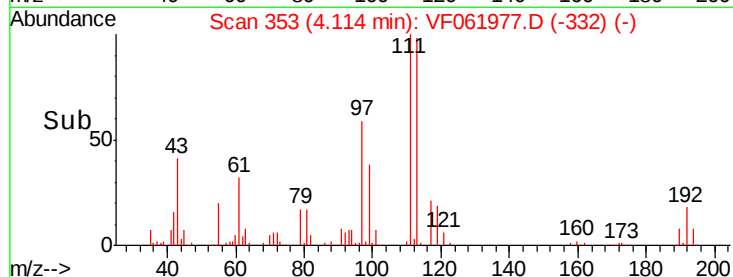
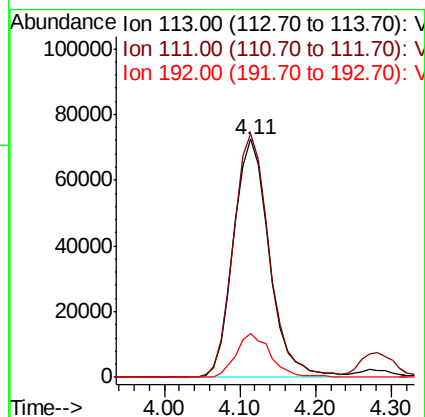
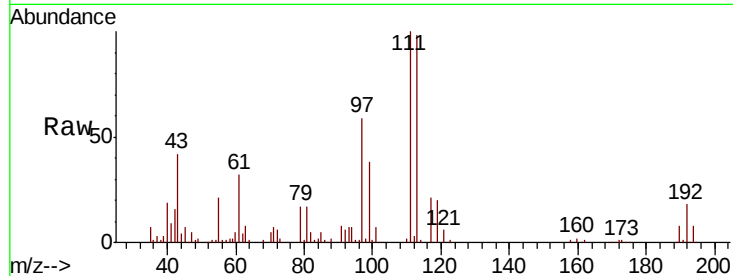




#35
 Dibromofluoromethane
 Concen: 88.638 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VF061977.D
 Acq: 16 Mar 2019 13:51

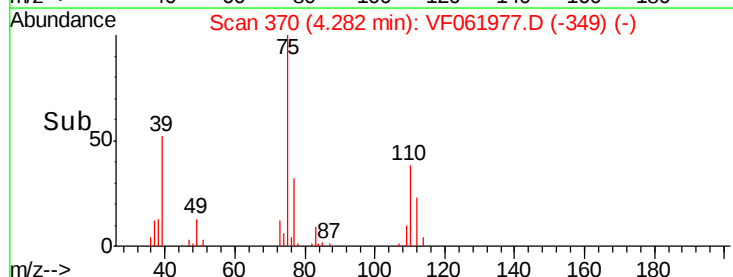
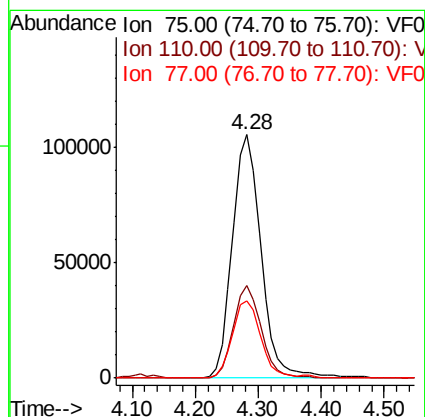
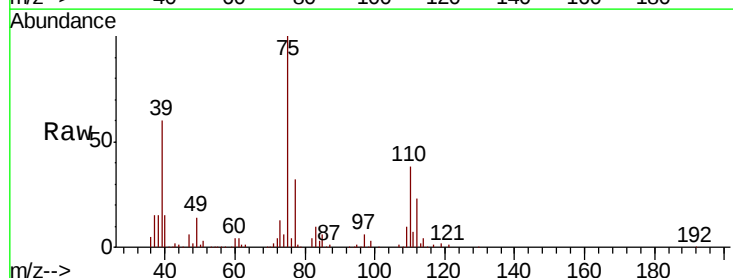
Instrument :
 MSVOA_F
 ClientSampleId :

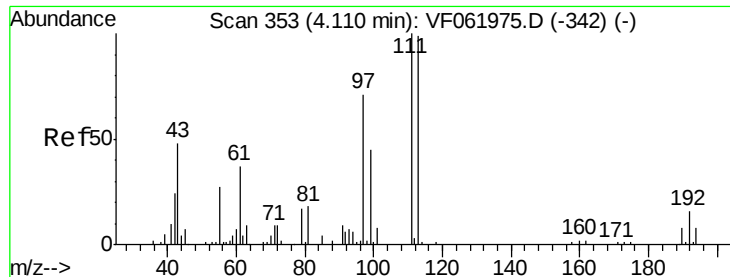
Tot Ion:113 Resp: 238020
 Ion Ratio Lower Upper
 113 100
 111 102.4 80.8 121.2
 192 18.7 13.0 19.6



#36
 1,1-Dichloropropene
 Concen: 91.958 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. 0.00 min
 Lab File: VF061977.D
 Acq: 16 Mar 2019 13:51

Tgt Ion: 75 Resp: 332076
 Ion Ratio Lower Upper
 75 100
 110 37.8 17.8 53.3
 77 31.9 24.2 36.2

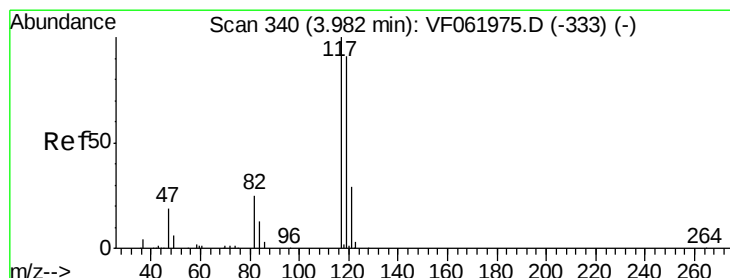
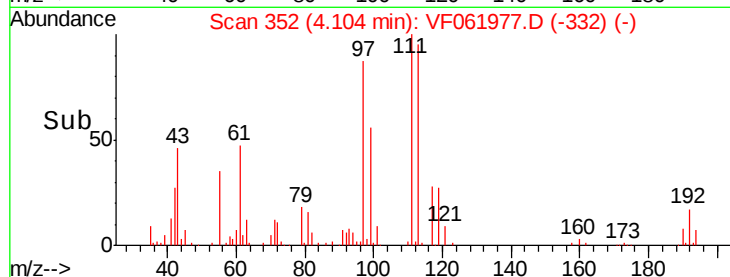
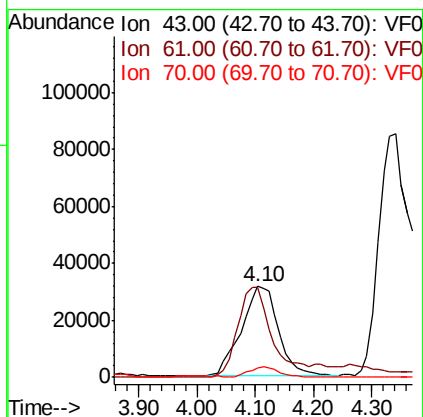
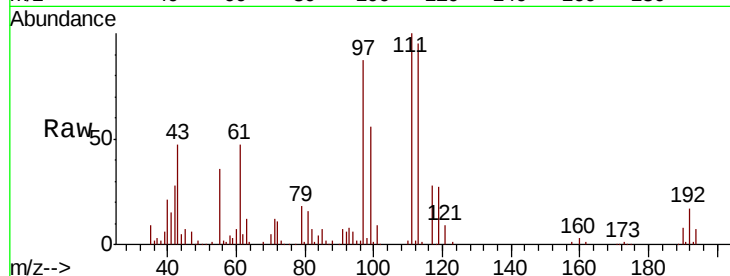




#37
Ethyl Acetate
Concen: 87.403 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

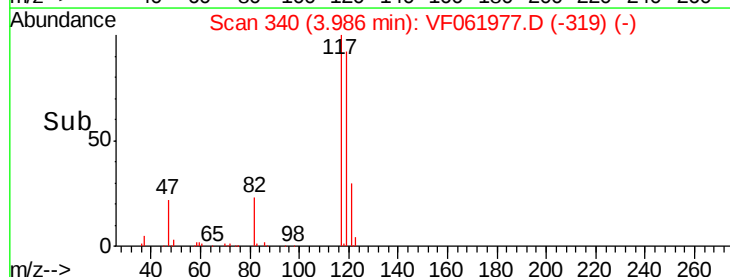
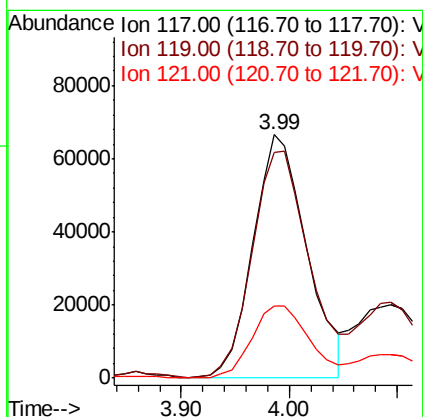
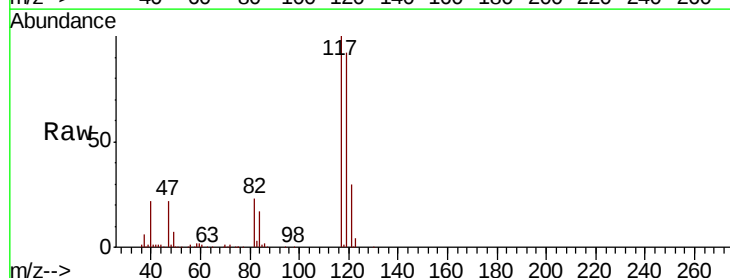
Instrument :
MSVOA_F
ClientSampled :

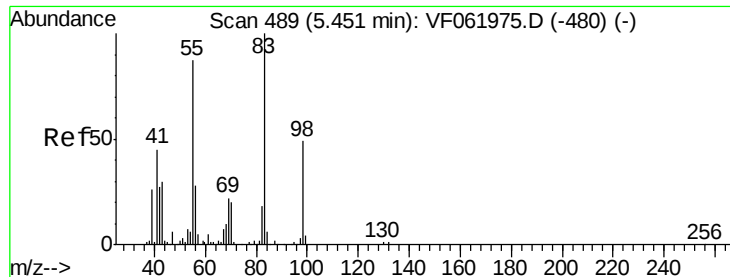
Tot Ion: 43 Resp: 141719
Ion Ratio Lower Upper
43 100
61 99.3 59.8 89.6#
70 10.3 7.8 11.8



#38
Carbon Tetrachloride
Concen: 86.717 ug/l
RT: 3.99 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

Tgt Ion: 117 Resp: 228860
Ion Ratio Lower Upper
117 100
119 92.5 73.0 109.4
121 29.8 23.0 34.6

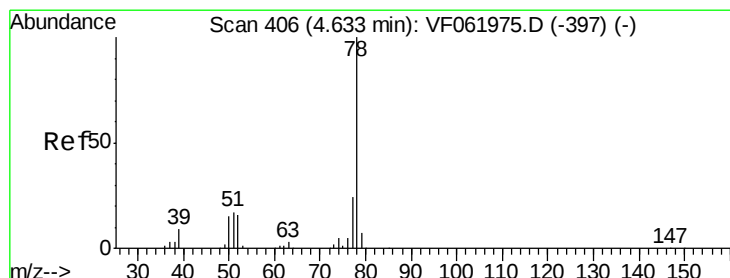
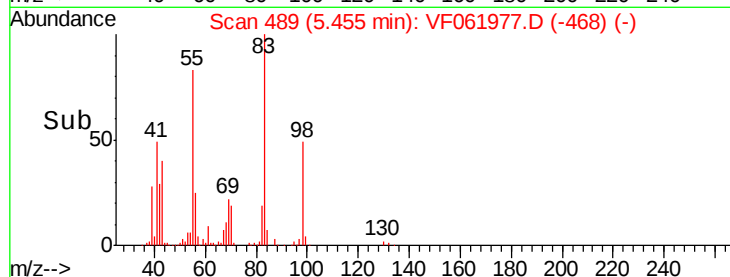
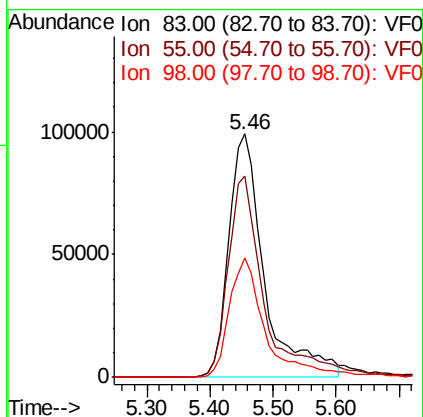
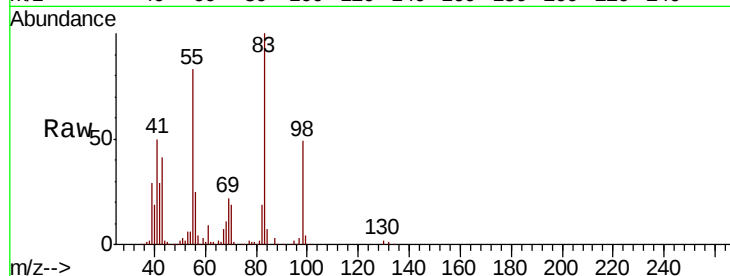




#39
Methvlcvclohexane
Concen: 91.760 ug/l
RT: 5.46 min Scan# 489
Delta R.T. 0.00 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

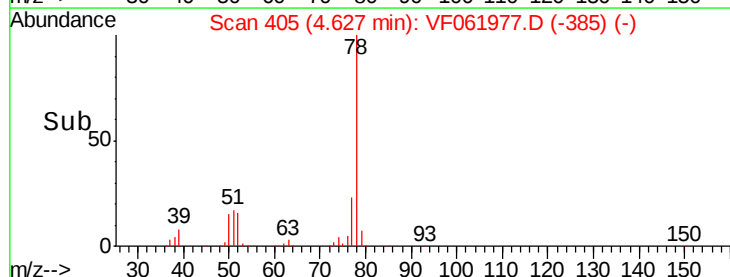
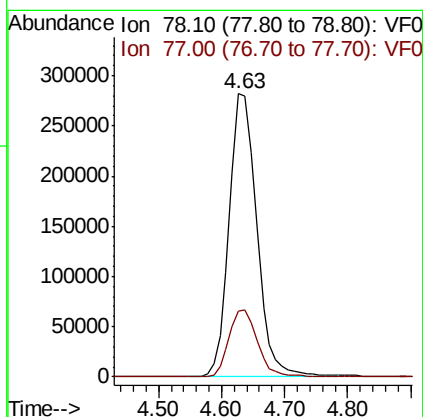
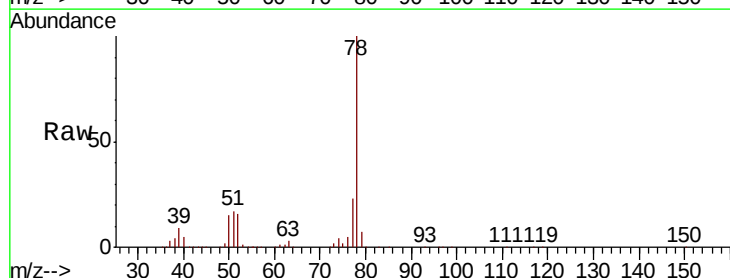
Instrument :
MSVOA_F
ClientSampleId :

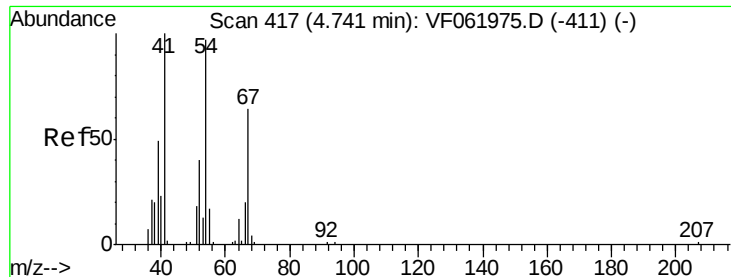
Tot Ion: 83 Resp: 389008
Ion Ratio Lower Upper
83 100
55 82.9 69.7 104.5
98 48.9 39.4 59.0



#40
Benzene
Concen: 89.788 ug/l
RT: 4.63 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

Tgt Ion: 78 Resp: 859153
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4





#41

Methacrylonitrile

Concen: 87.976 ug/l

RT: 4.75 min Scan# 417

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 41 Resp: 76214

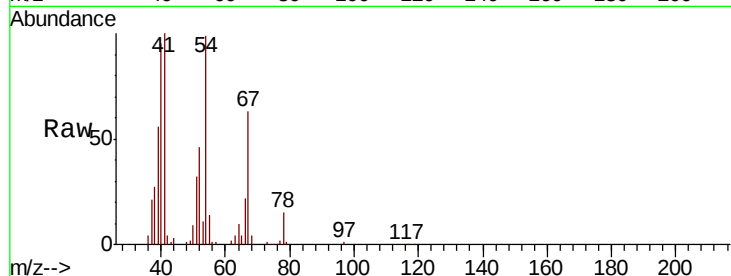
Ion Ratio Lower Upper

41 100

39 56.3 46.2 69.4

67 63.4 49.8 74.8

52 45.9 42.7 64.1

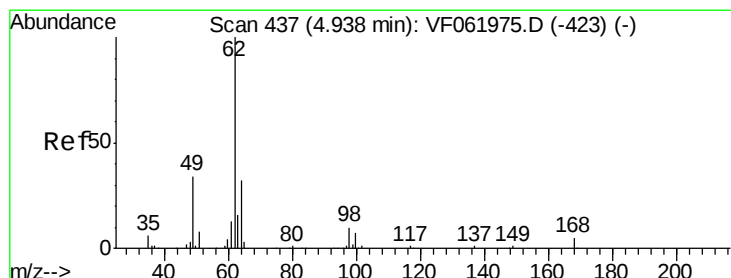
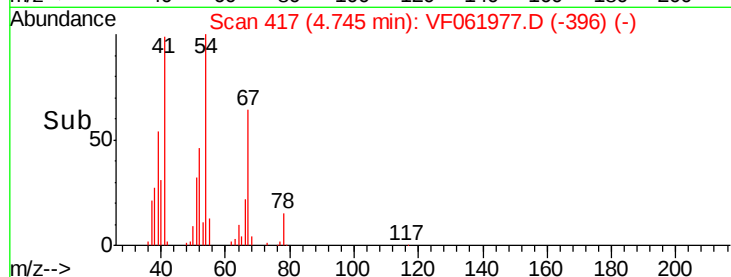
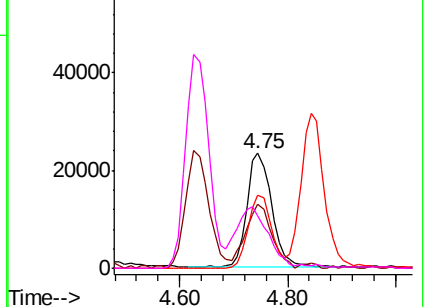


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 94.403 ug/l

RT: 4.94 min Scan# 437

Delta R.T. 0.00 min

Lab File: VF061977.D

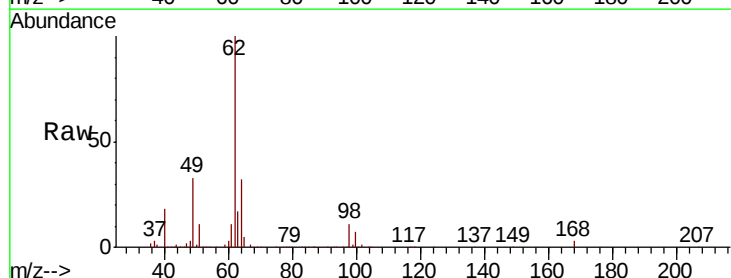
Acq: 16 Mar 2019 13:51

Tgt Ion: 62 Resp: 224870

Ion Ratio Lower Upper

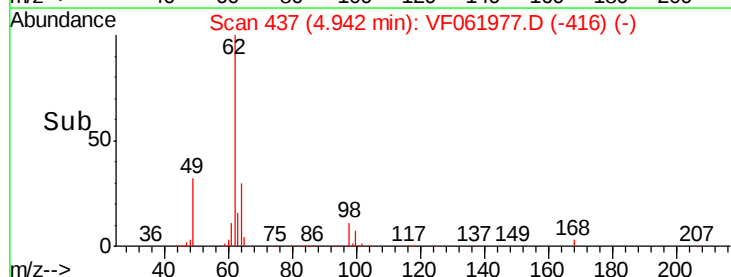
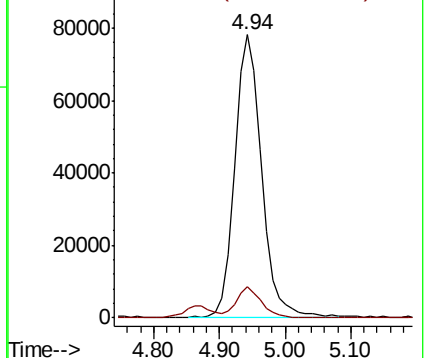
62 100

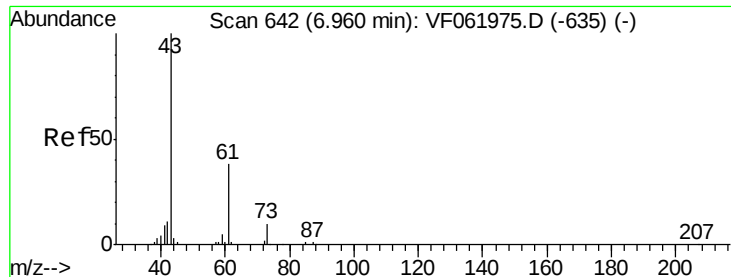
98 10.9 0.0 19.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



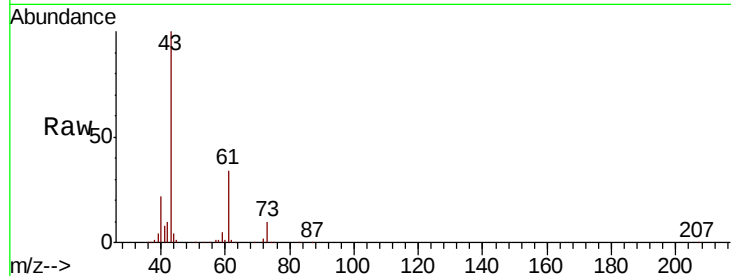


#43

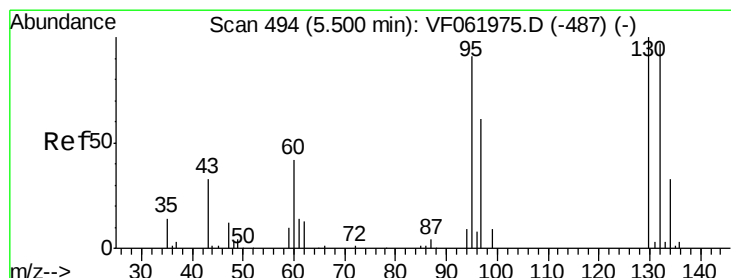
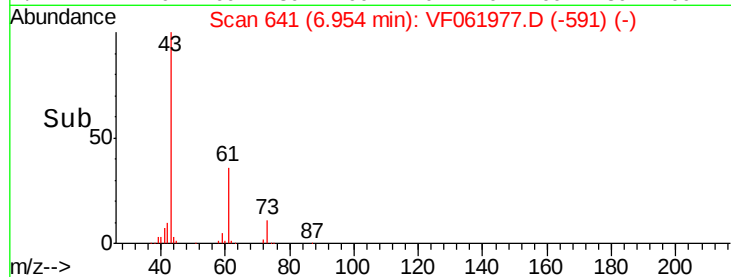
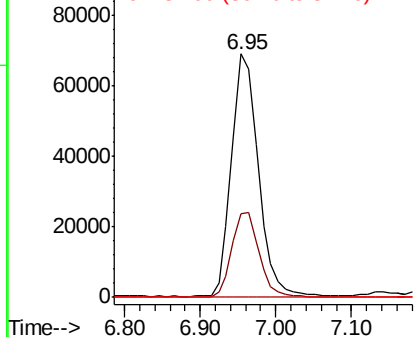
Isopropyl Acetate
 Concen: 89.018 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: VF061977.D
 Acq: 16 Mar 2019 13:51

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 43 Resp: 170774
 Ion Ratio Lower Upper
 43 100
 61 34.2 30.1 45.1
 87 0.3 0.4 0.6#



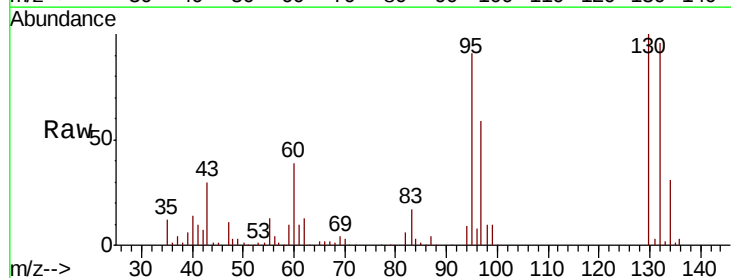
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



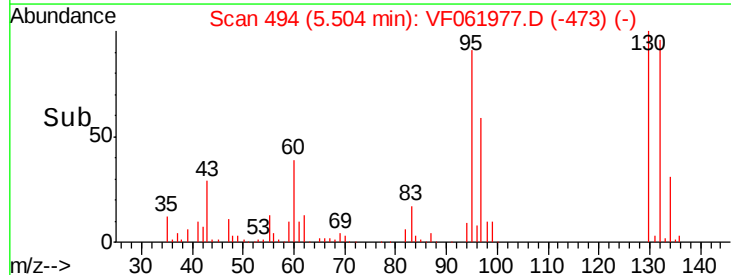
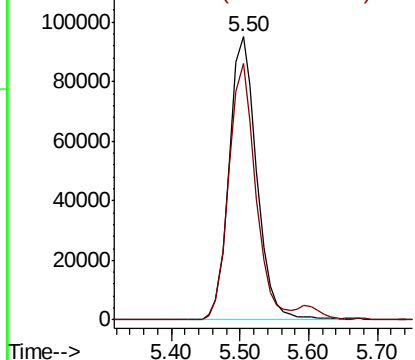
#44

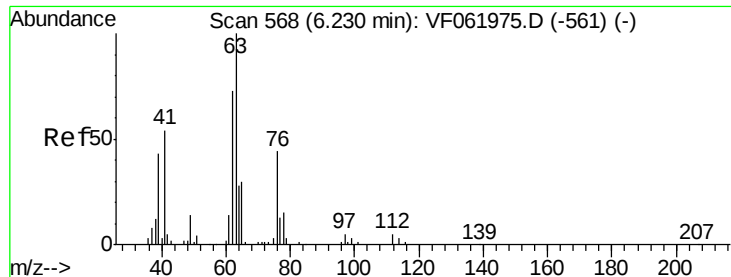
Trichloroethene
 Concen: 89.823 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VF061977.D
 Acq: 16 Mar 2019 13:51

Tgt Ion:130 Resp: 263292
 Ion Ratio Lower Upper
 130 100
 95 90.5 0.0 181.4



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 92.180 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

Instrument :

MSVOA_F

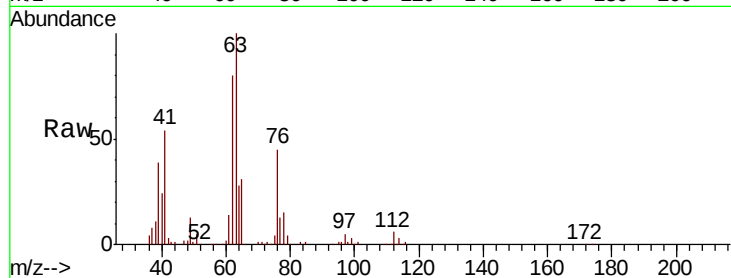
ClientSampled :

Tot Ion: 63 Resp: 208741

Ion Ratio Lower Upper

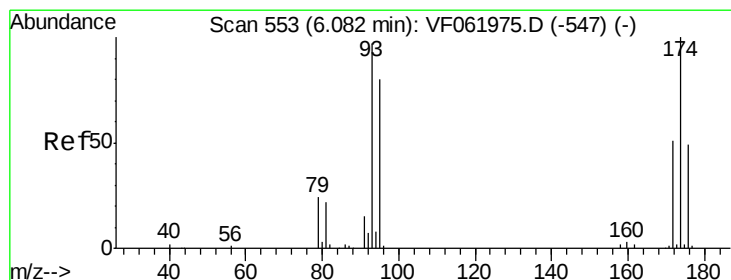
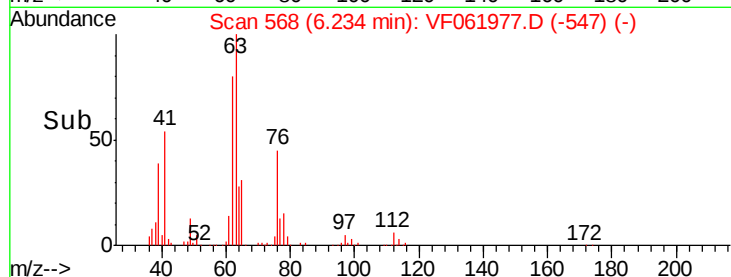
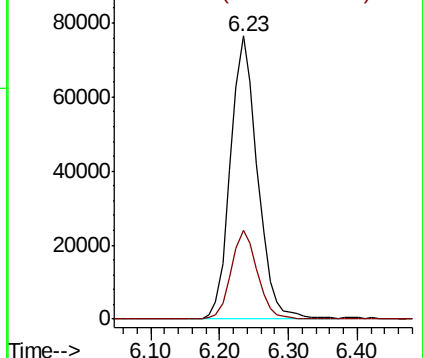
63 100

65 31.2 23.7 35.5



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 99.442 ug/l

RT: 6.09 min Scan# 553

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

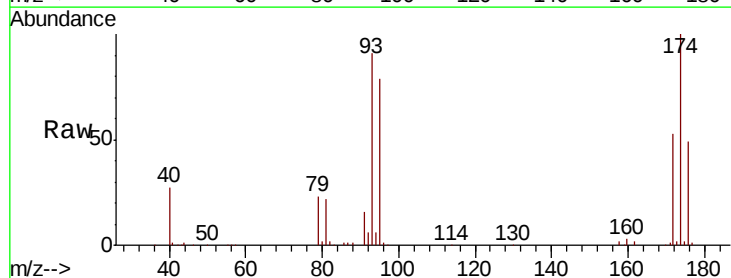
Tgt Ion: 93 Resp: 133960

Ion Ratio Lower Upper

93 100

95 86.2 65.7 98.5

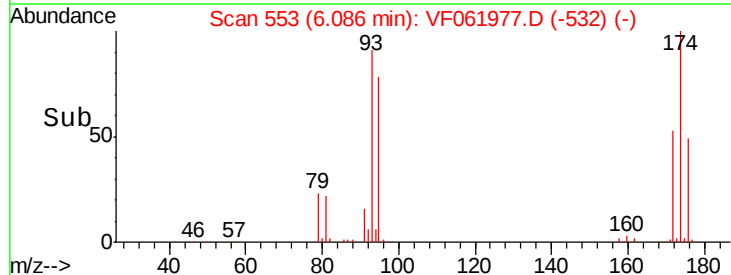
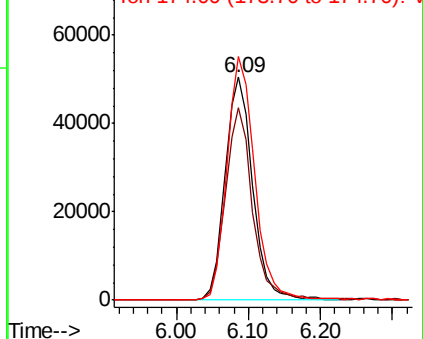
174 109.3 82.2 123.4

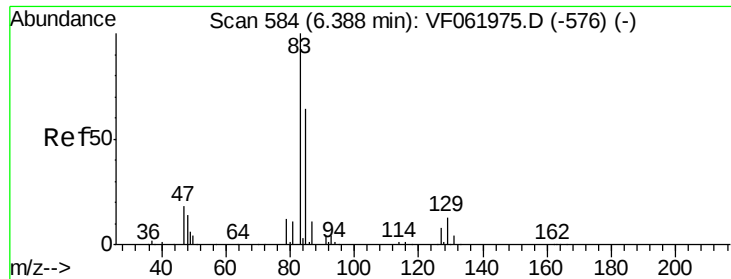


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 95.527 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

Instrument :
MSVOA_F
ClientSampleId :

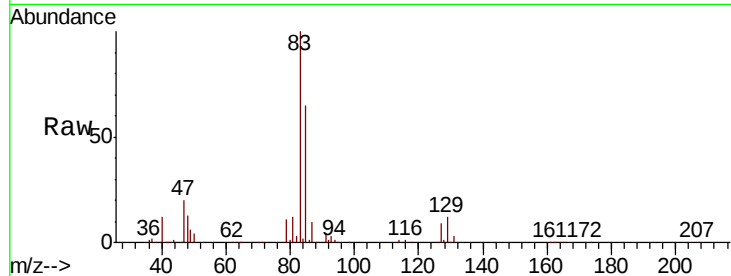
Tot Ion: 83 Resp: 303387

Ion Ratio Lower Upper

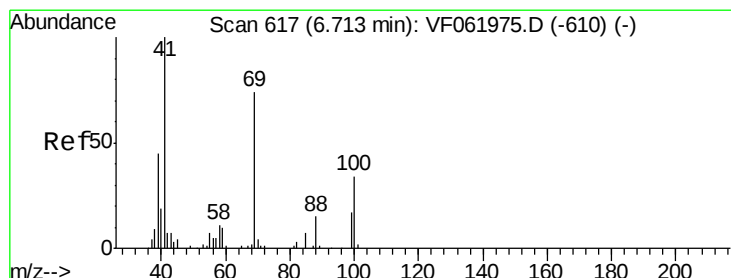
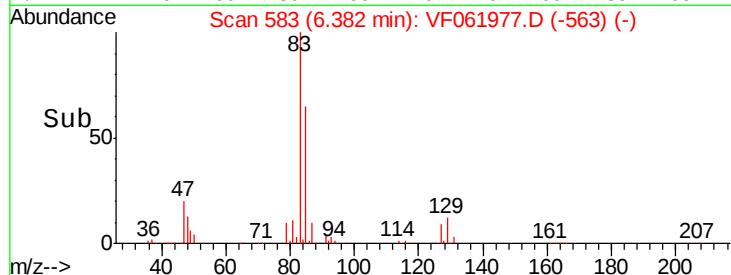
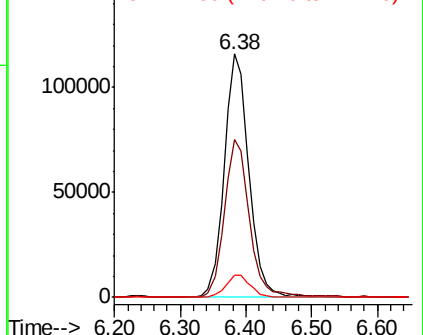
83 100

85 64.9 51.4 77.2

127 9.2 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 91.772 ug/l

RT: 6.72 min Scan# 617

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

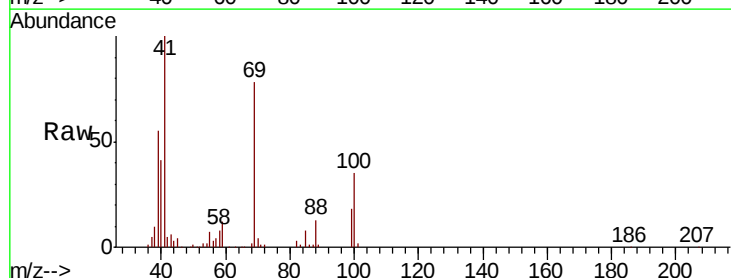
Tgt Ion: 41 Resp: 113785

Ion Ratio Lower Upper

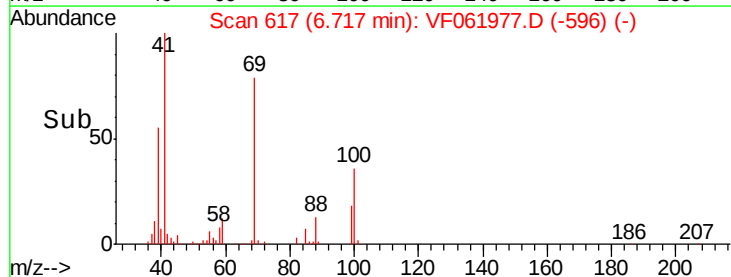
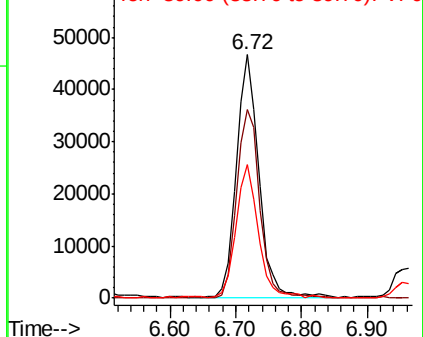
41 100

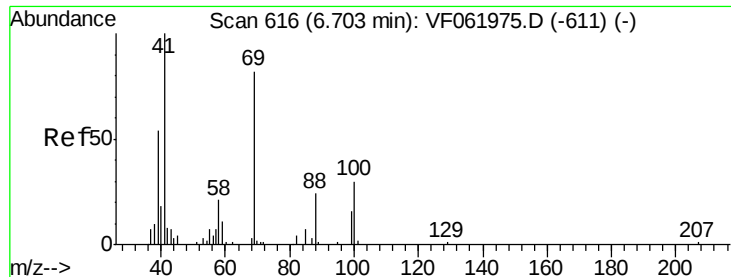
69 77.7 59.0 88.6

39 54.8 35.6 53.4#



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





#49

1,4-Dioxane

Concen: 2050.203 ug/l

RT: 6.71 min Scan# 616

Delta R.T. 0.00 min

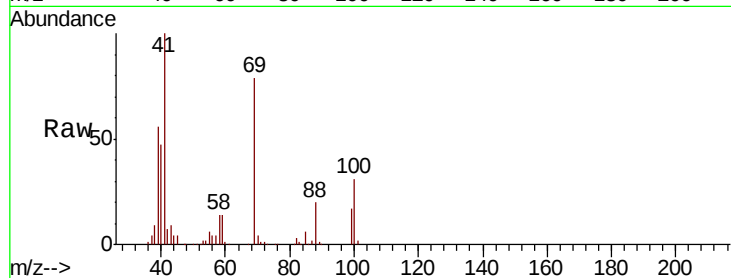
Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 22611

Ion	Ratio	Lower	Upper
88	100		
43	43.8	31.2	46.8
58	71.9	69.9	104.9

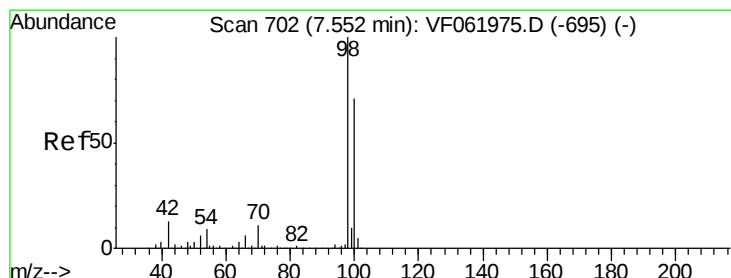
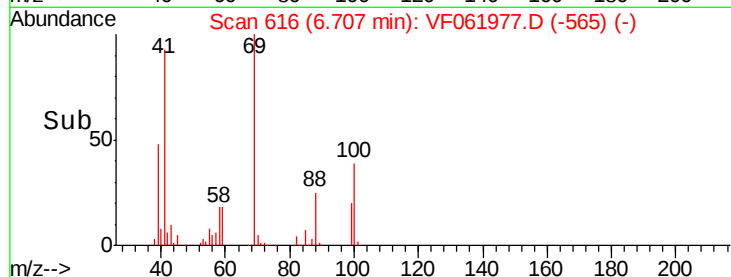
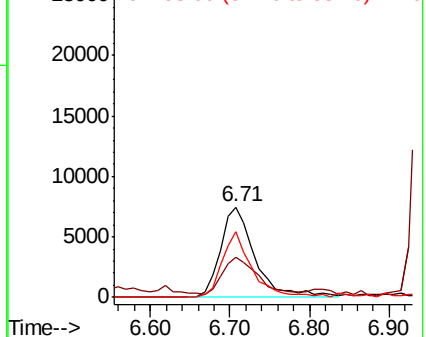


Abundance

Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 89.163 ug/l

RT: 7.56 min Scan# 702

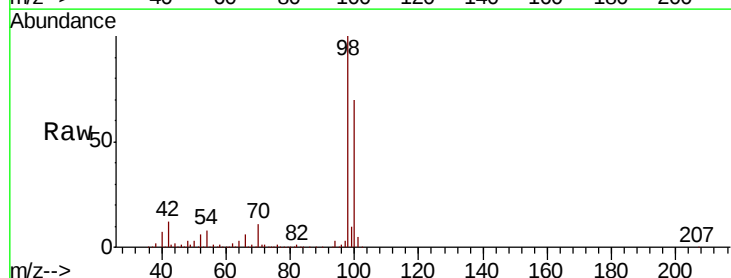
Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

Tgt Ion: 98 Resp: 699922

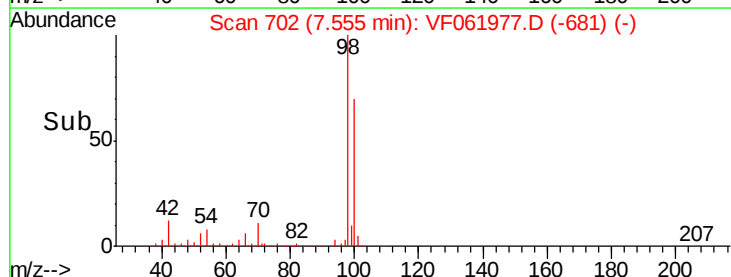
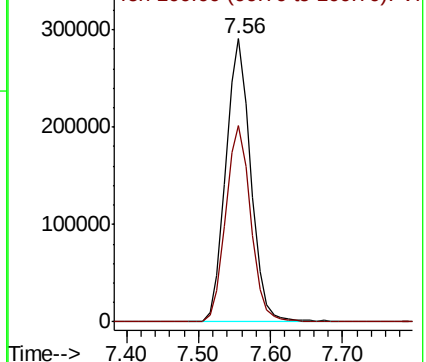
Ion	Ratio	Lower	Upper
98	100		
100	69.6	56.8	85.2

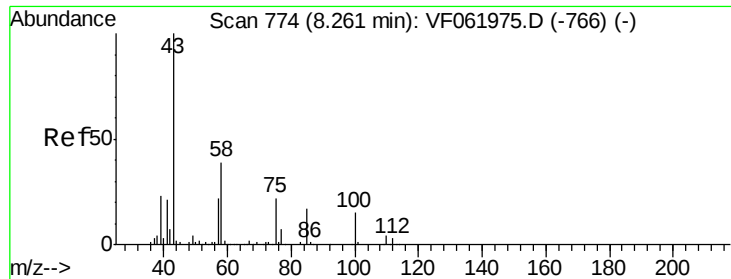


Abundance

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 446.932 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

Instrument :

MSVOA_F

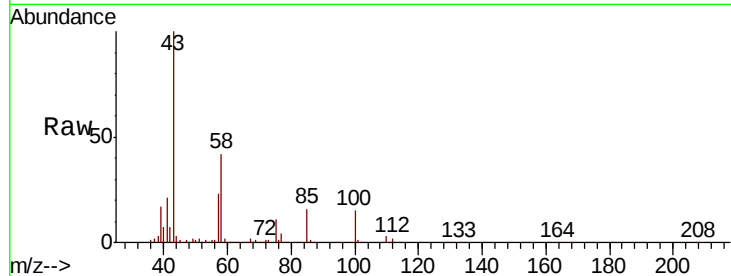
ClientSampleId :

Tot Ion: 43 Resp: 608857

Ion Ratio Lower Upper

43 100

58 41.9 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.26

250000

200000

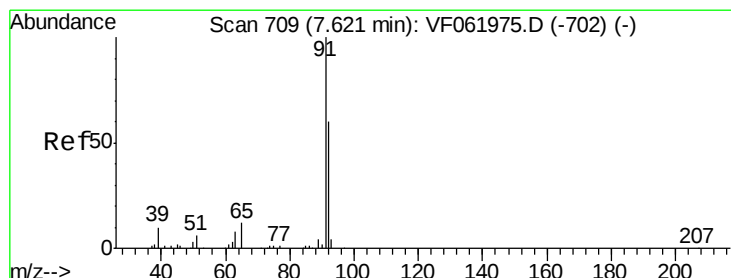
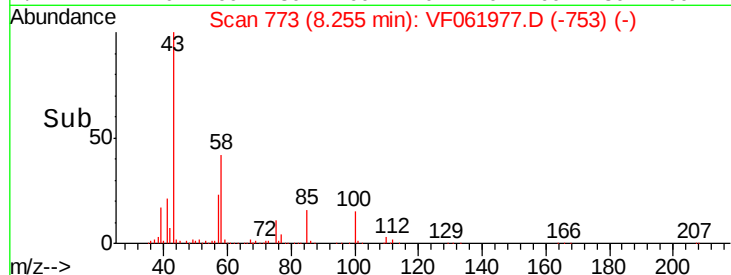
150000

100000

50000

0

Time--> 8.10 8.20 8.30 8.40



#52

Toluene

Concen: 89.601 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.00 min

Lab File: VF061977.D

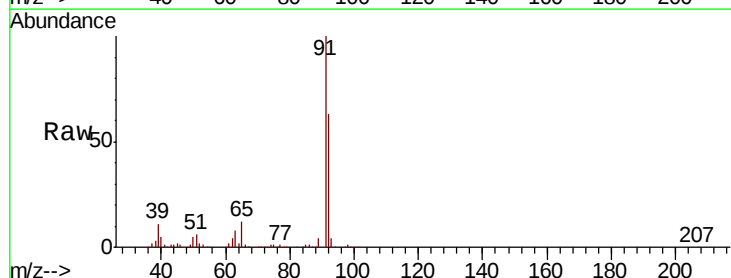
Acq: 16 Mar 2019 13:51

Tgt Ion: 92 Resp: 523853

Ion Ratio Lower Upper

92 100

91 158.6 134.0 201.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

400000

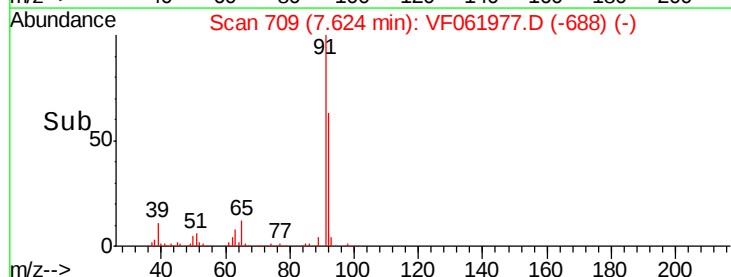
300000

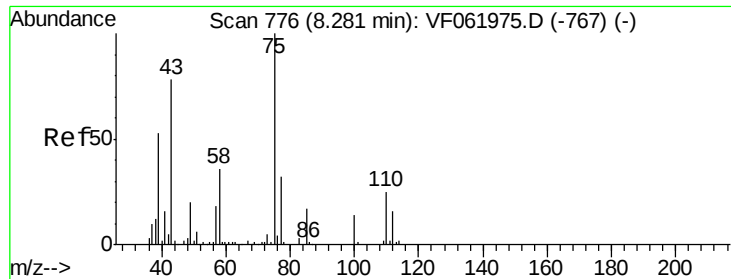
200000

100000

0

Time--> 7.50 7.60 7.70 7.80

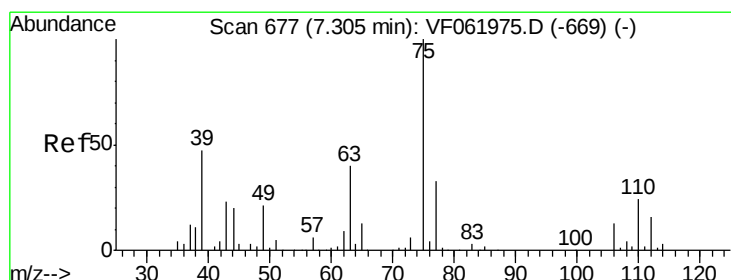
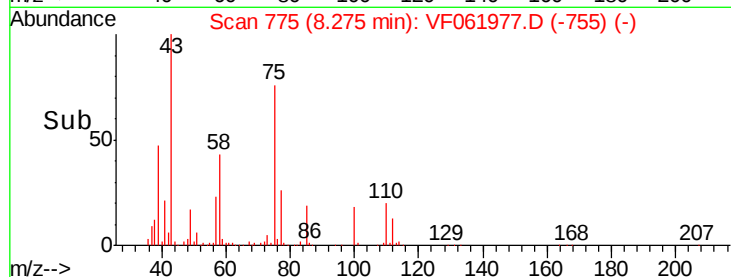
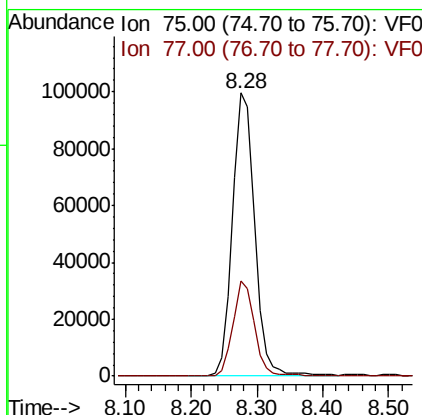
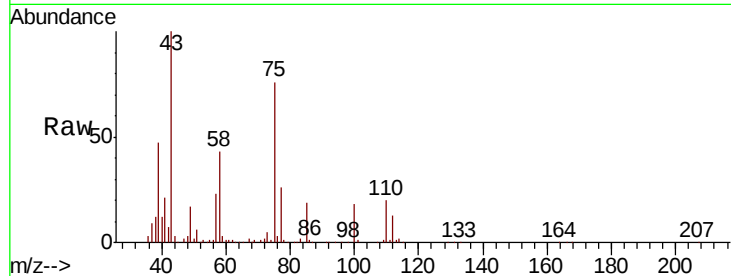




#53
t-1,3-Dichloropropene
Concen: 88.842 ug/l
RT: 8.28 min Scan# 775
Delta R.T. -0.01 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

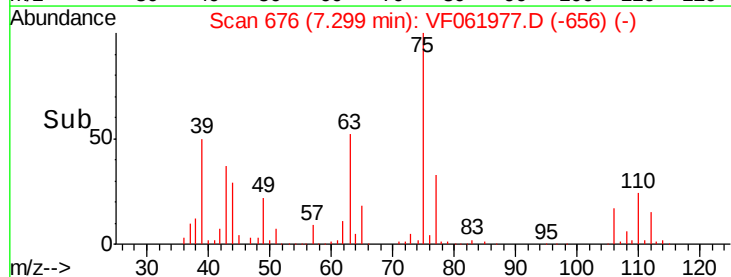
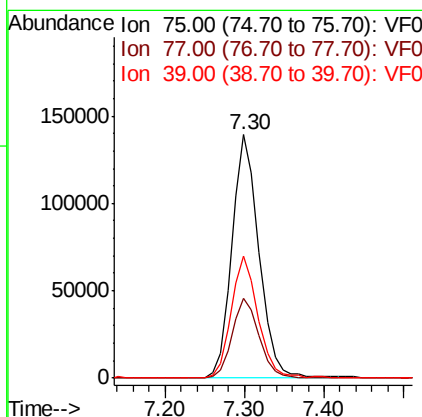
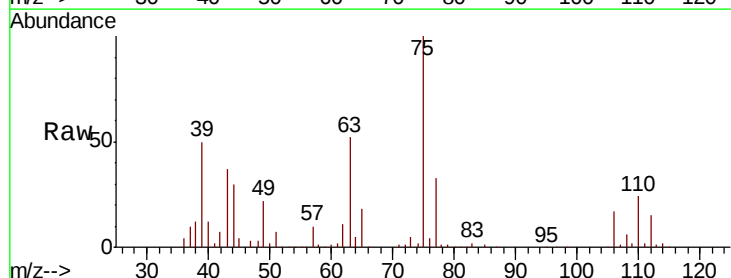
Instrument :
MSVOA_F
ClientSampleId :

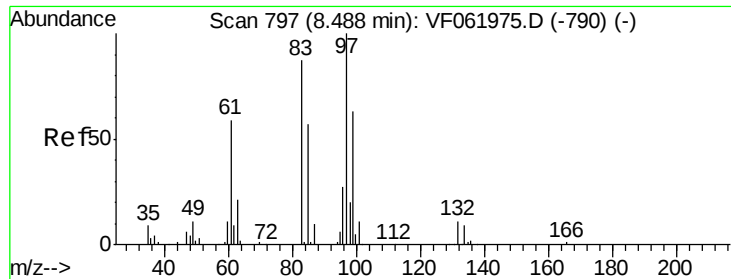
Tot Ion: 75 Resp: 238207
Ion Ratio Lower Upper
75 100
77 33.7 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 94.441 ug/l
RT: 7.30 min Scan# 676
Delta R.T. -0.01 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

Tgt Ion: 75 Resp: 330405
Ion Ratio Lower Upper
75 100
77 32.9 26.4 39.6
39 50.2 38.0 57.0





#55

1,1,2-Trichloroethane

Concen: 95.133 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 155234

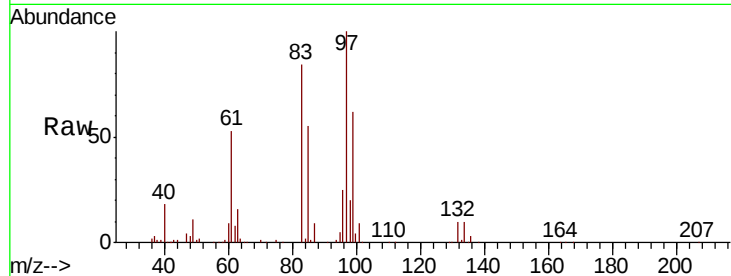
Ion Ratio Lower Upper

97 100

83 84.4 69.7 104.5

85 55.2 45.8 68.6

99 62.1 50.3 75.5

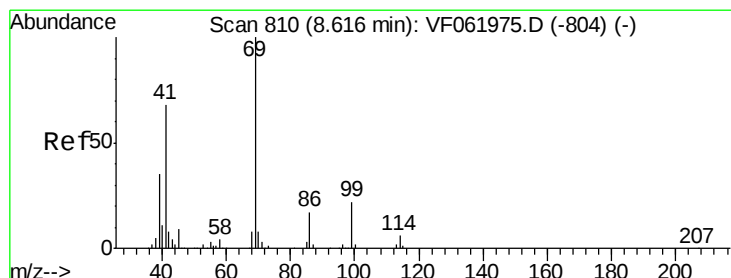
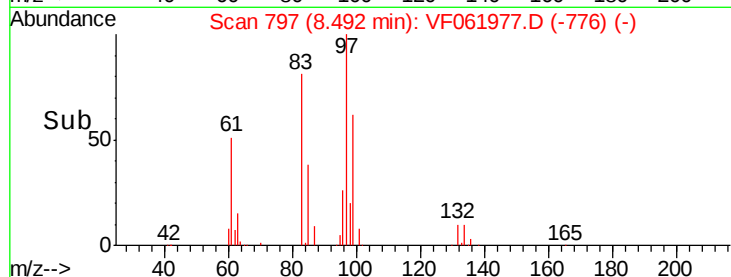
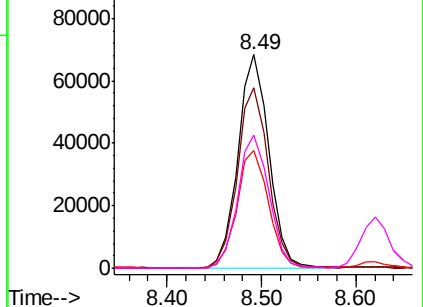


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 93.629 ug/l

RT: 8.62 min Scan# 810

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

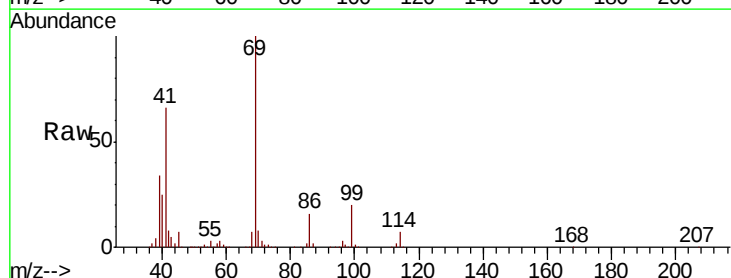
Tgt Ion: 69 Resp: 173673

Ion Ratio Lower Upper

69 100

41 66.3 54.7 82.1

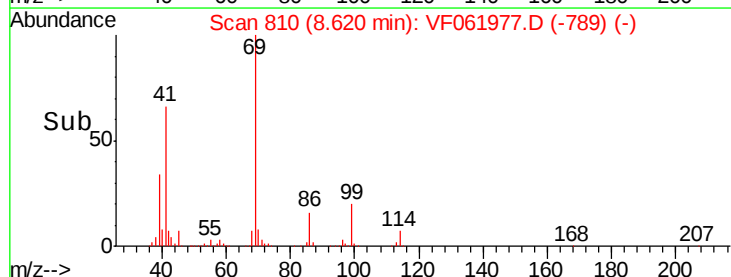
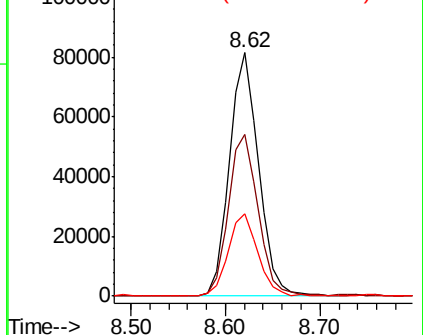
39 34.1 27.9 41.9

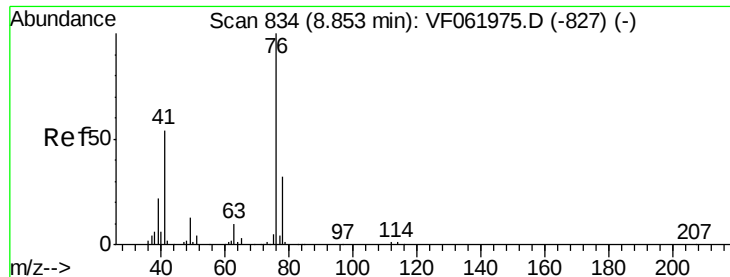


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 93.008 ug/l

RT: 8.86 min Scan# 834

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

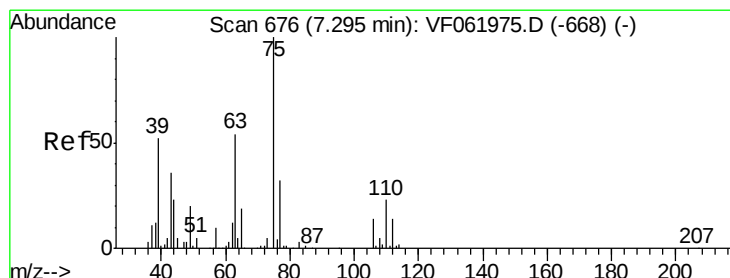
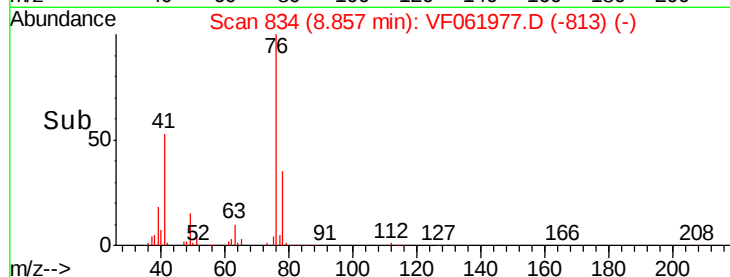
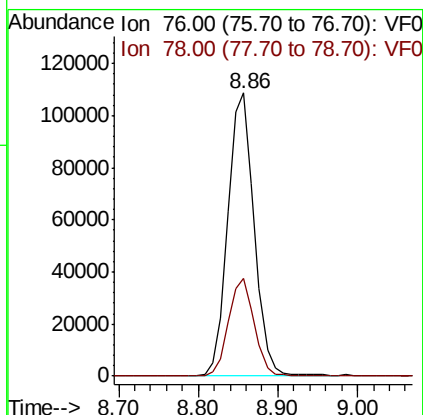
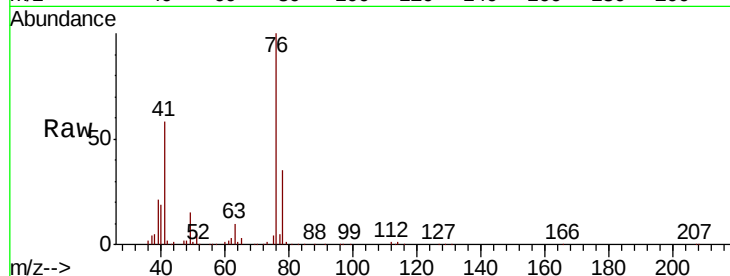
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 253162

Ion Ratio Lower Upper

76 100

78 34.6 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 508.891 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.00 min

Lab File: VF061977.D

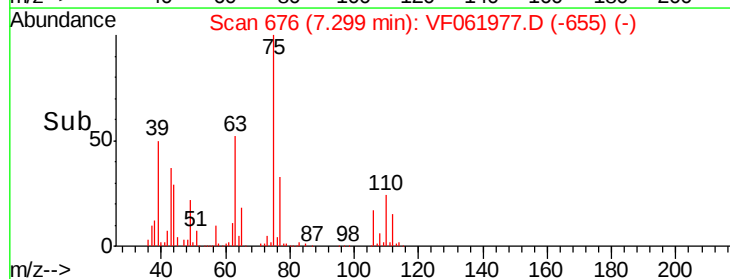
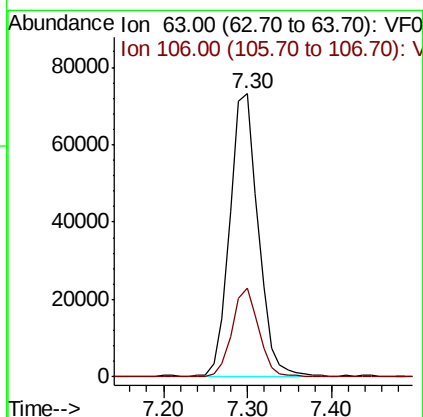
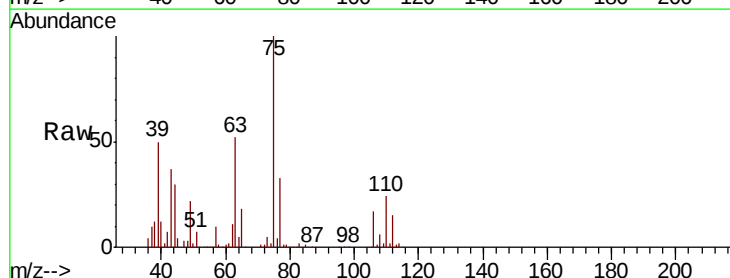
Acq: 16 Mar 2019 13:51

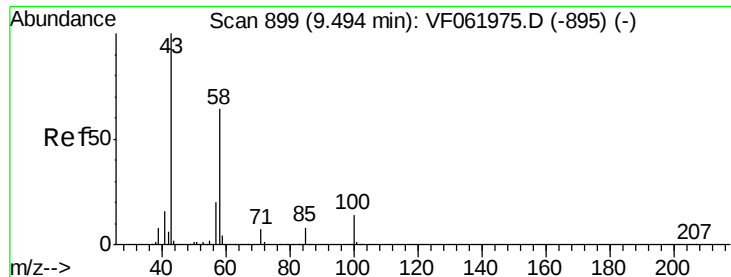
Tgt Ion: 63 Resp: 170975

Ion Ratio Lower Upper

63 100

106 31.6 20.9 31.3#

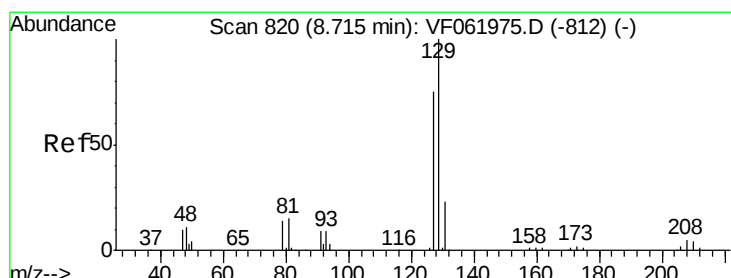
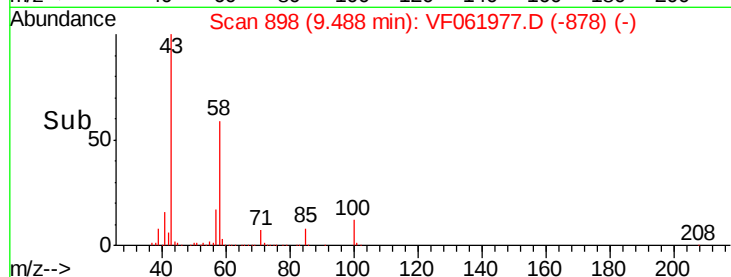
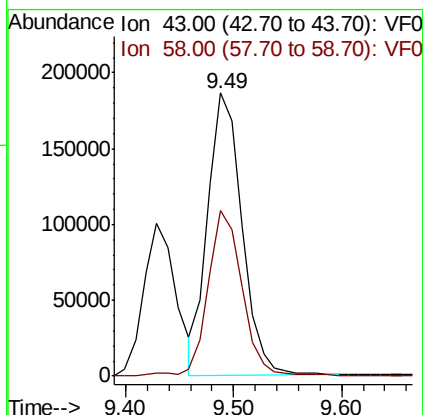
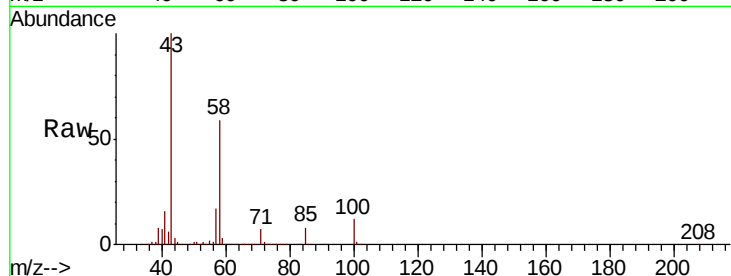




#59
2-Hexanone
Concen: 415.114 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.01 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

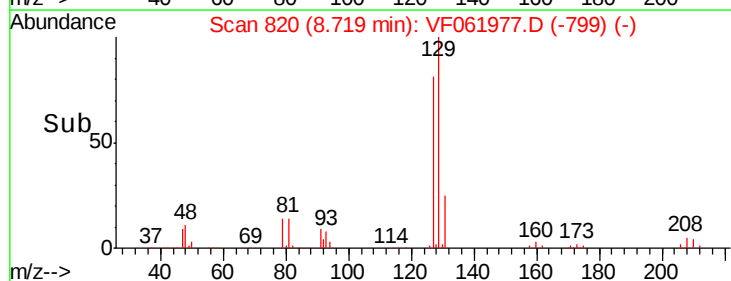
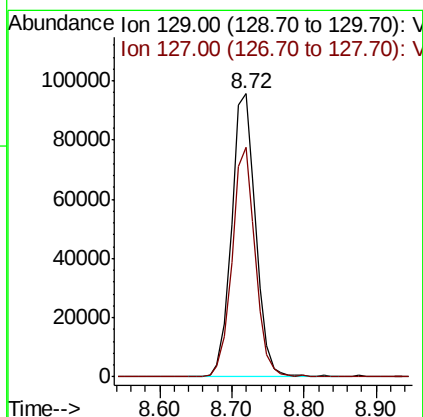
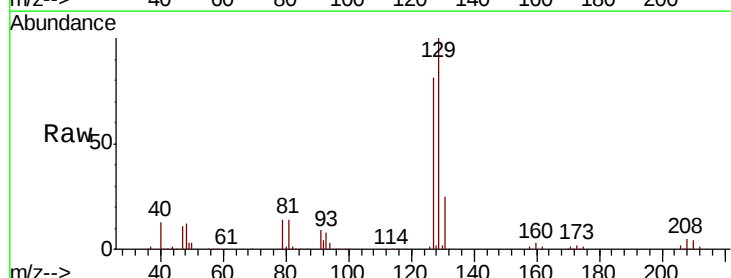
Instrument :
MSVOA_F
ClientSampled :

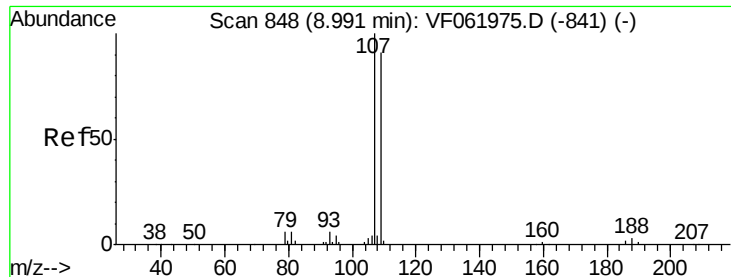
Tot Ion: 43 Resp: 409264
Ion Ratio Lower Upper
43 100
58 58.6 28.4 85.2



#60
Dibromochloromethane
Concen: 98.595 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.00 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

Tgt Ion: 129 Resp: 223345
Ion Ratio Lower Upper
129 100
127 80.9 37.3 111.8





#61

1,2-Dibromoethane

Concen: 93.096 ug/l

RT: 8.99 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

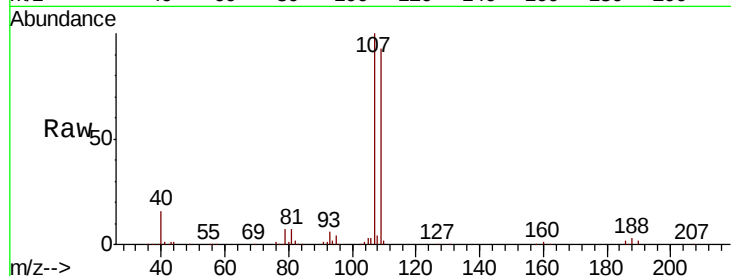
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 162947

Ion Ratio Lower Upper

107 100

109 93.2 72.8 109.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.99

80000

60000

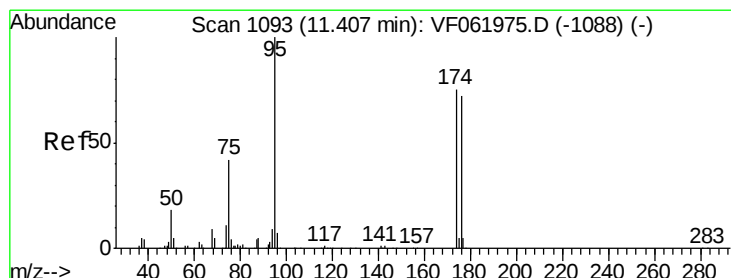
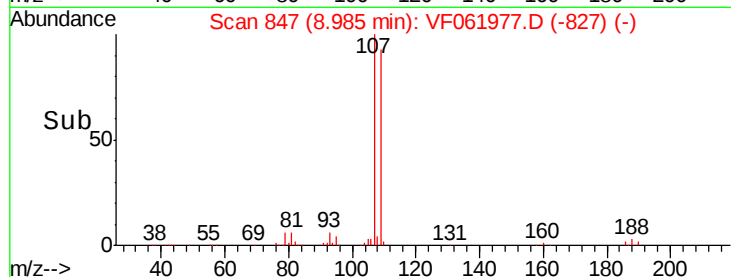
40000

20000

0

Time-->

8.90 9.00 9.10



#62

4-Bromofluorobenzene

Concen: 84.385 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

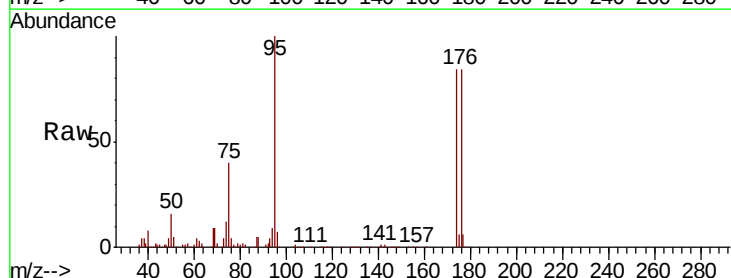
Tgt Ion: 95 Resp: 263155

Ion Ratio Lower Upper

95 100

174 84.4 0.0 149.4

176 84.0 0.0 143.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

200000

150000

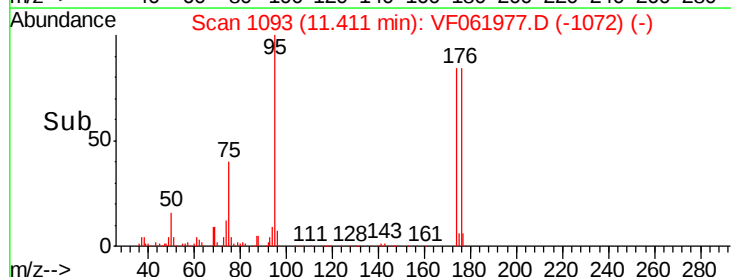
100000

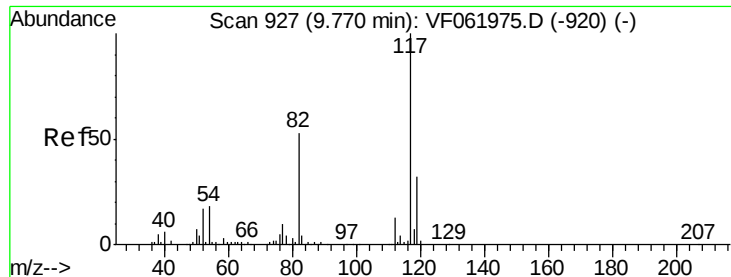
50000

0

Time-->

11.30 11.40 11.50 11.60

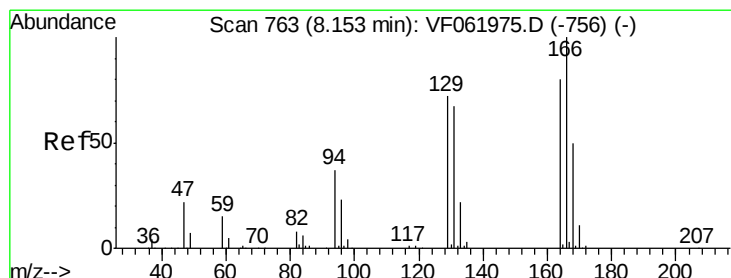
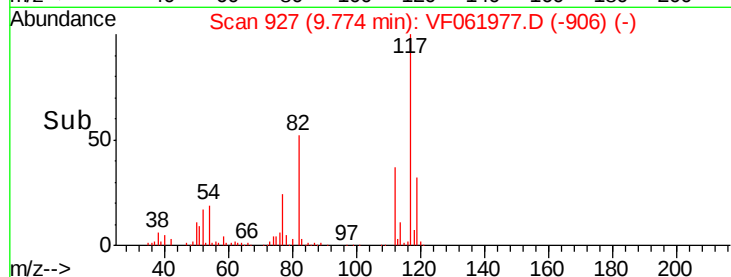
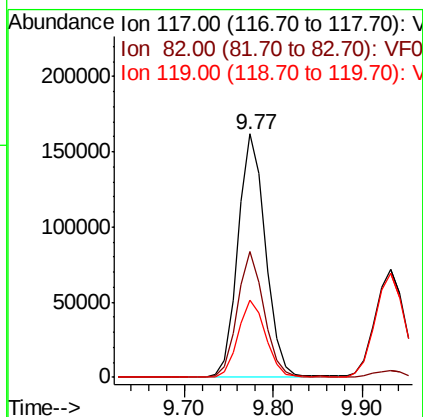
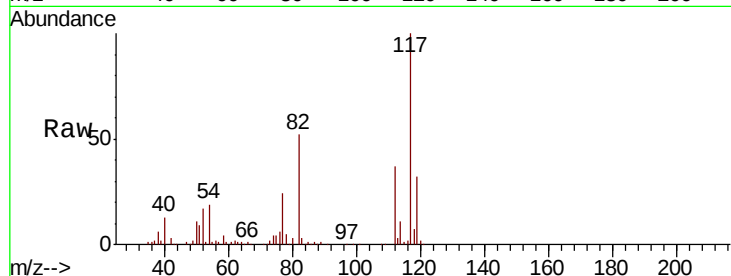




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

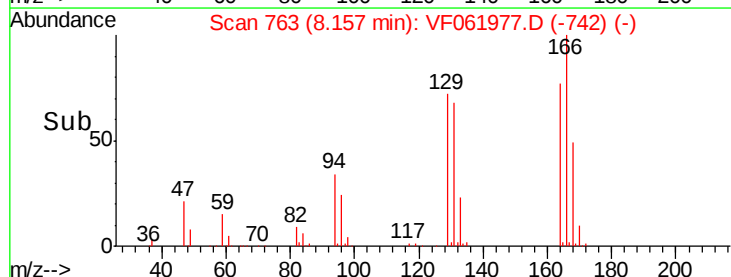
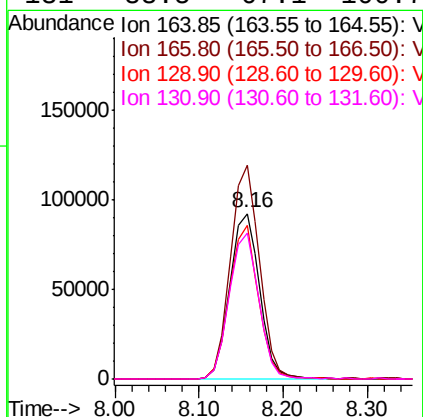
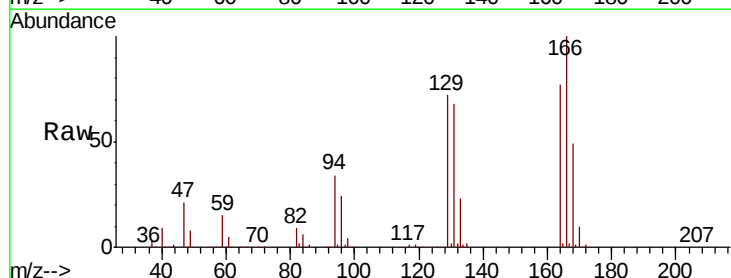
Instrument :
MSVOA_F
ClientSampleId :

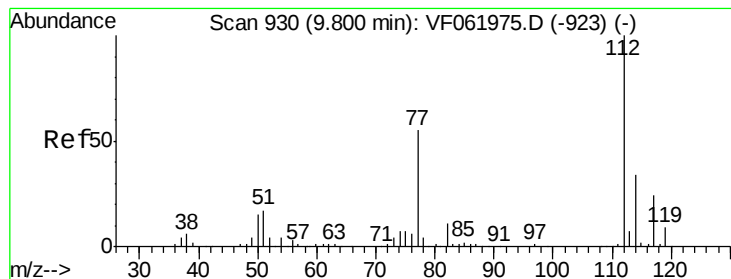
Tot Ion:117 Resp: 348879
Ion Ratio Lower Upper
117 100
82 51.5 42.5 63.7
119 31.9 25.4 38.0



#64
Tetrachloroethene
Concen: 89.772 ug/l
RT: 8.16 min Scan# 763
Delta R.T. 0.00 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

Tgt Ion:164 Resp: 227659
Ion Ratio Lower Upper
164 100
166 129.3 100.0 150.0
129 93.3 72.4 108.6
131 88.5 67.1 100.7





#65

Chlorobenzene

Concen: 88.470 ug/l

RT: 9.80 min Scan# 930

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

Instrument :

MSVOA_F

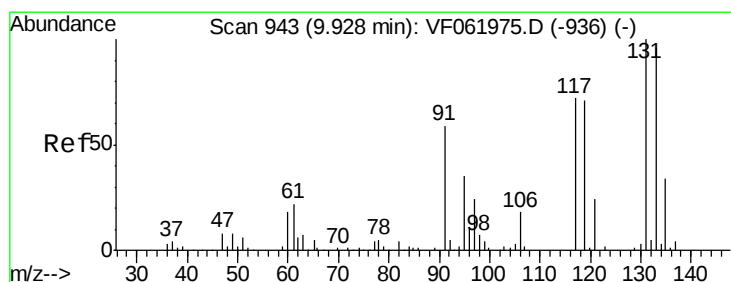
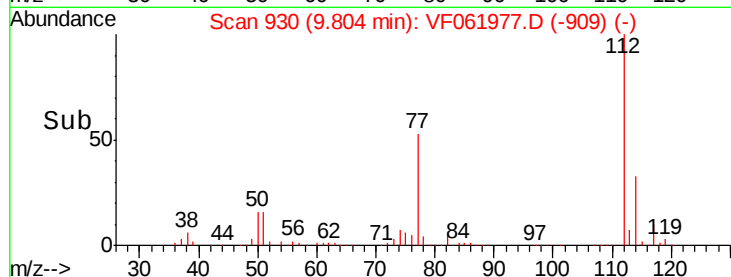
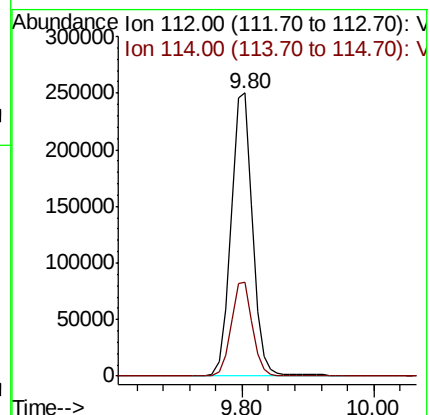
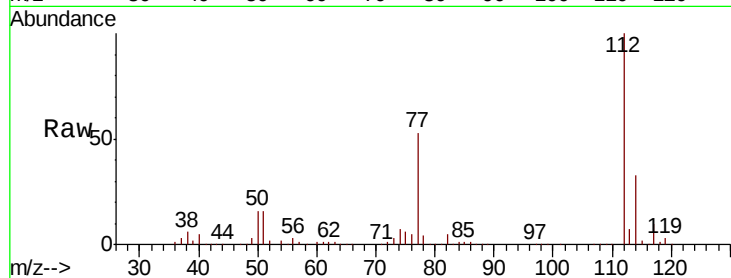
ClientSampled :

Tot Ion:112 Resp: 574653

Ion Ratio Lower Upper

112 100

114 33.1 26.9 40.3



#66

1,1,1,2-Tetrachloroethane

Concen: 91.279 ug/l

RT: 9.93 min Scan# 943

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

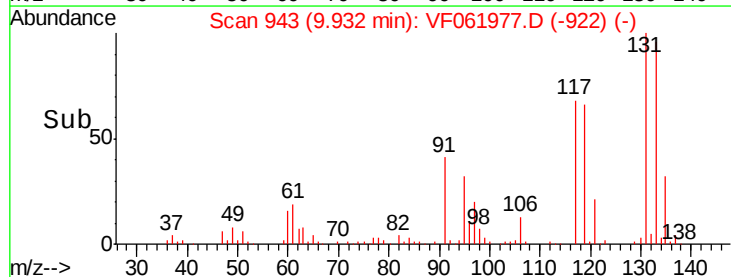
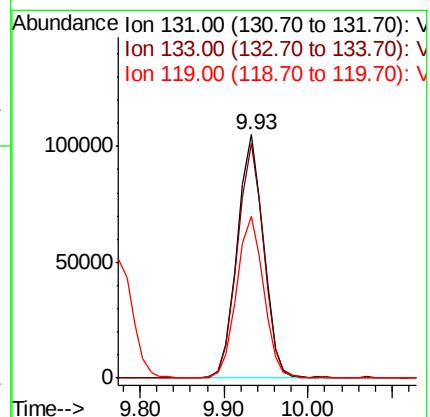
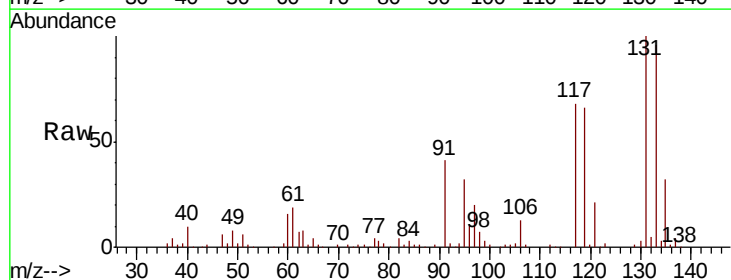
Tgt Ion:131 Resp: 229820

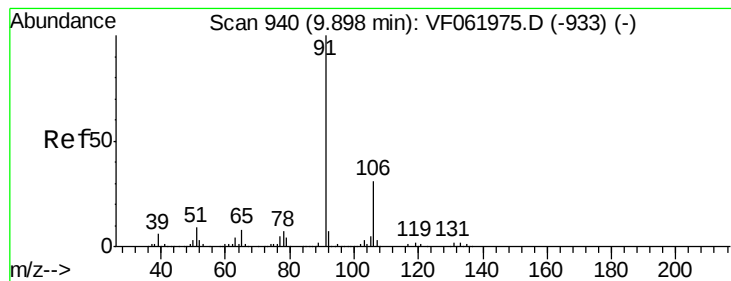
Ion Ratio Lower Upper

131 100

133 96.2 48.0 144.2

119 66.2 35.9 107.7





#67

Ethyl Benzene

Concen: 86.445 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

Instrument :

MSVOA_F

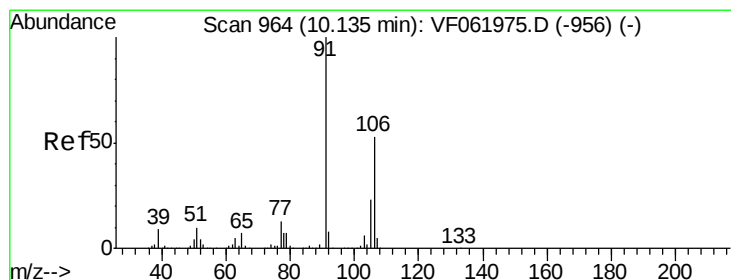
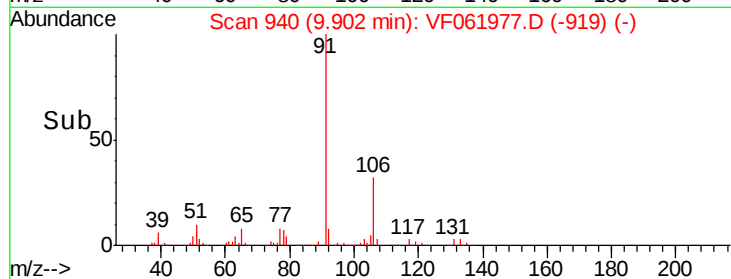
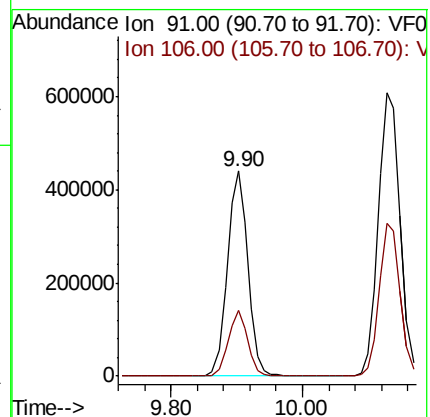
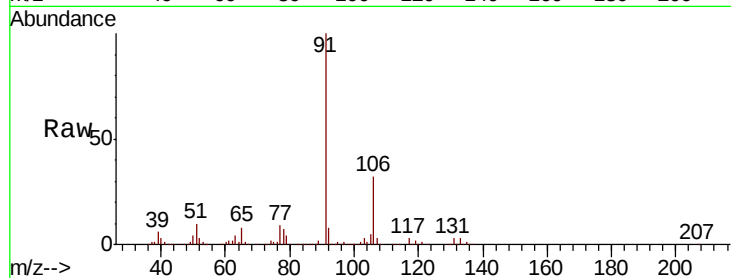
ClientSampleId :

Tot Ion: 91 Resp: 961416

Ion Ratio Lower Upper

91 100

106 32.0 24.4 36.6



#68

m/p-Xylenes

Concen: 173.563 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF061977.D

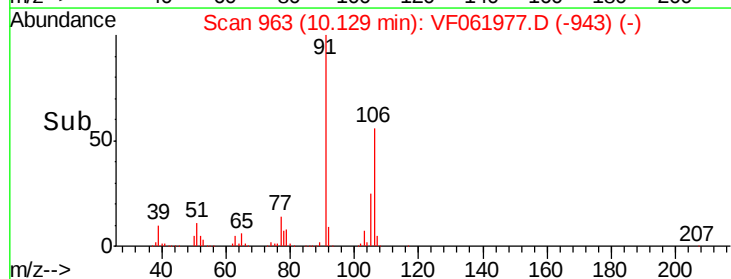
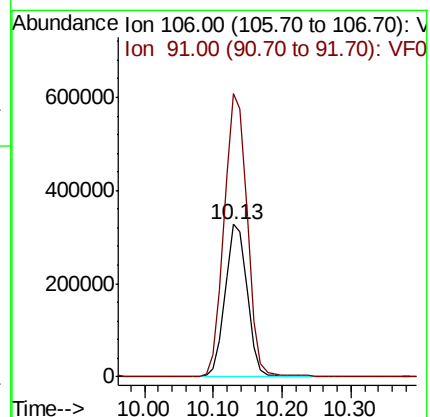
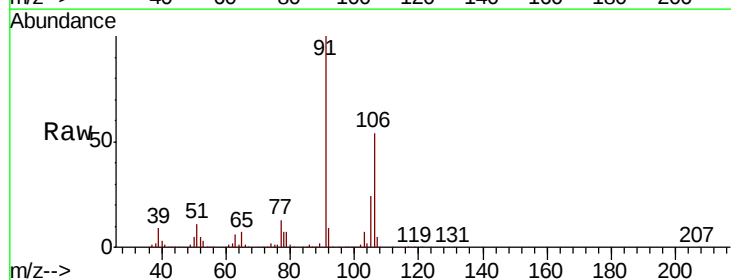
Acq: 16 Mar 2019 13:51

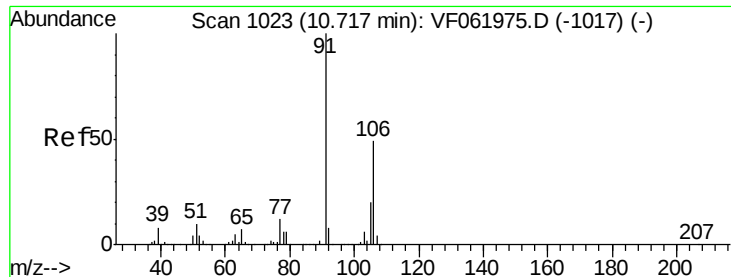
Tgt Ion: 106 Resp: 726012

Ion Ratio Lower Upper

106 100

91 185.8 151.9 227.9

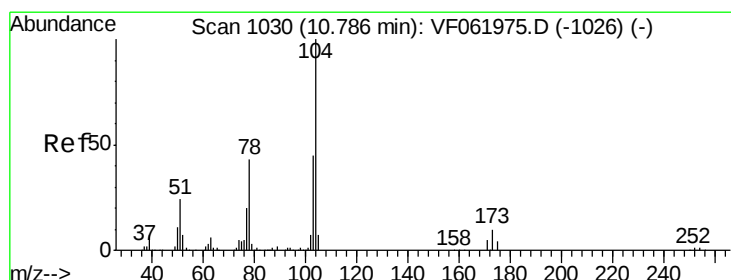
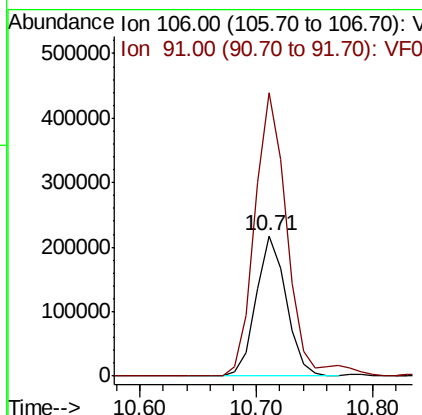
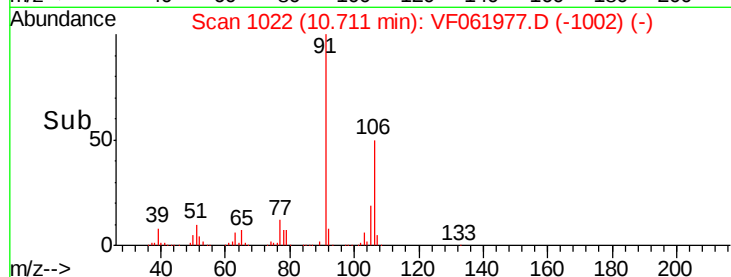
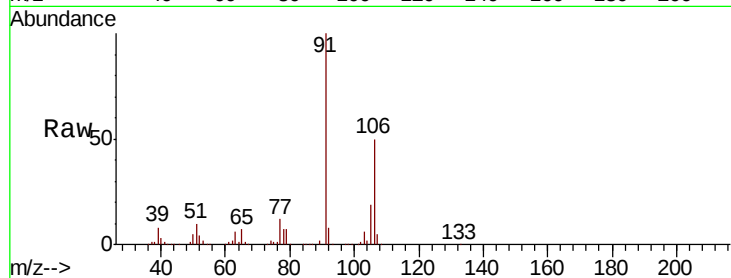




#69
o-Xylene
Concen: 87.455 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

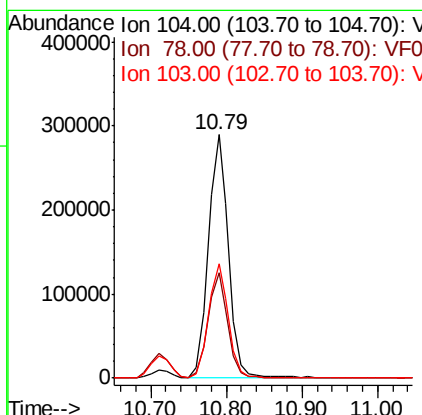
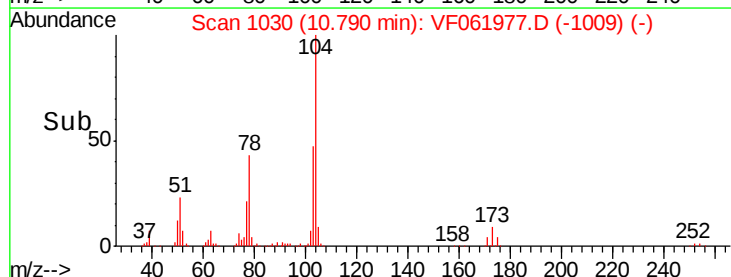
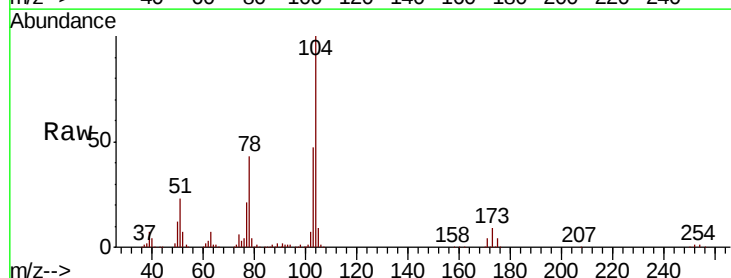
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:106 Resp: 391439
Ion Ratio Lower Upper
106 100
91 201.8 102.3 306.8



#70
Styrene
Concen: 86.384 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

Tgt Ion:104 Resp: 535661
Ion Ratio Lower Upper
104 100
78 43.2 34.7 52.1
103 46.9 36.6 54.8





#71

Bromoform

Concen: 94.725 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

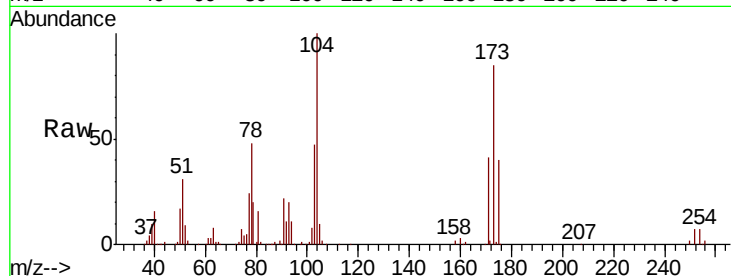
Tot Ion:173 Resp: 120634

Ion Ratio Lower Upper

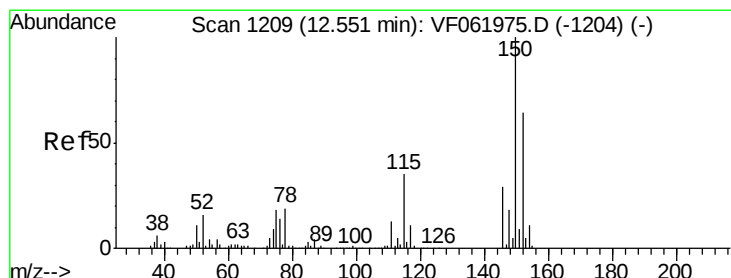
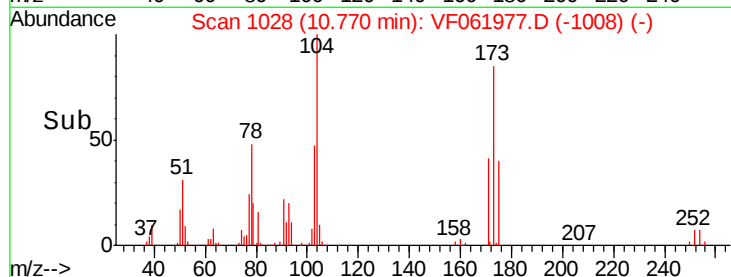
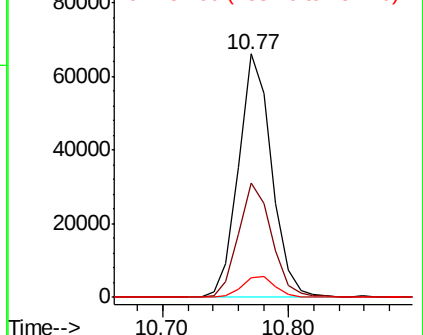
173 100

175 47.1 23.7 71.1

254 8.2 7.8 11.8



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

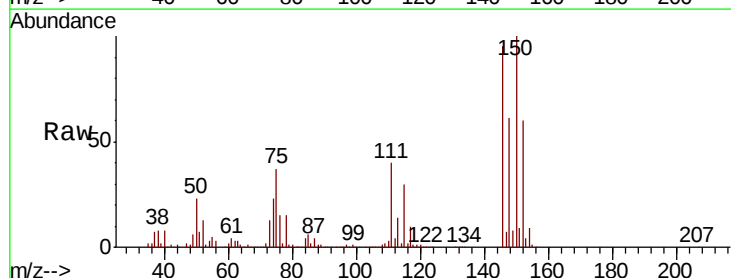
Tgt Ion:152 Resp: 177243

Ion Ratio Lower Upper

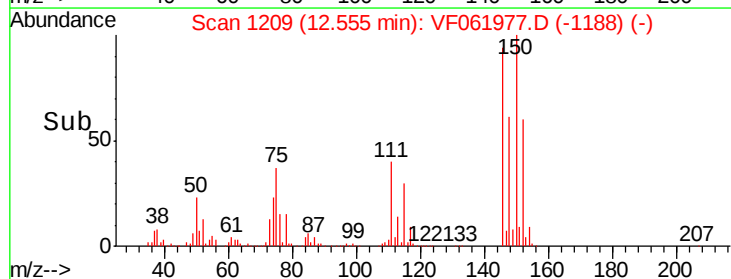
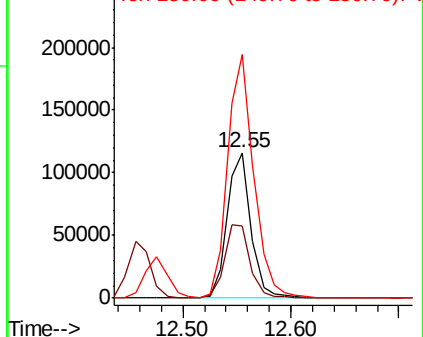
152 100

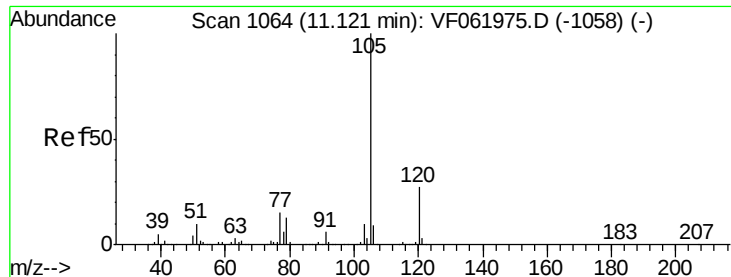
115 49.9 27.3 81.9

150 167.4 0.0 316.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 89.650 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

Instrument :

MSVOA_F

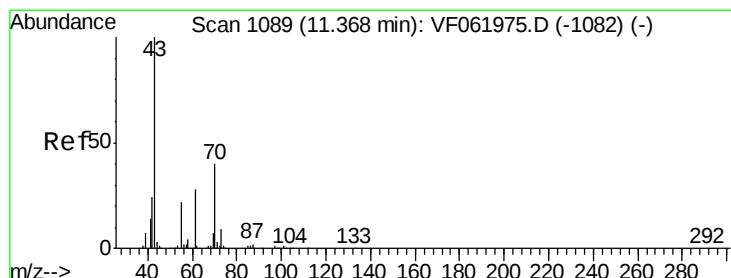
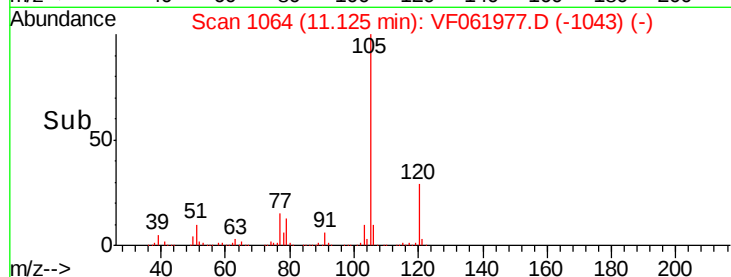
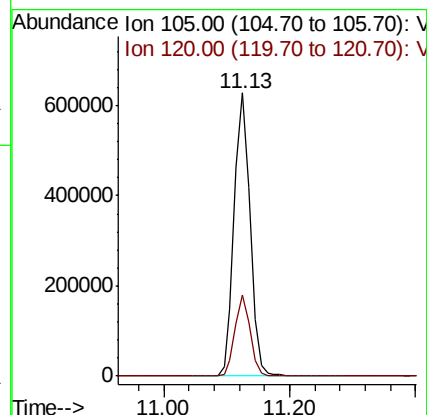
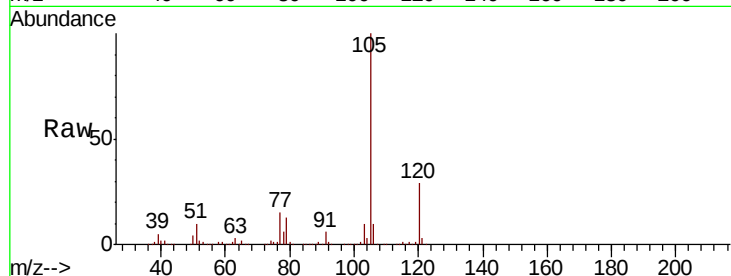
ClientSampleId :

Tot Ion:105 Resp: 1097760

Ion Ratio Lower Upper

105 100

120 28.9 13.8 41.3



#74

N-ethyl acetate

Concen: 94.907 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

Tgt Ion: 43 Resp: 266287

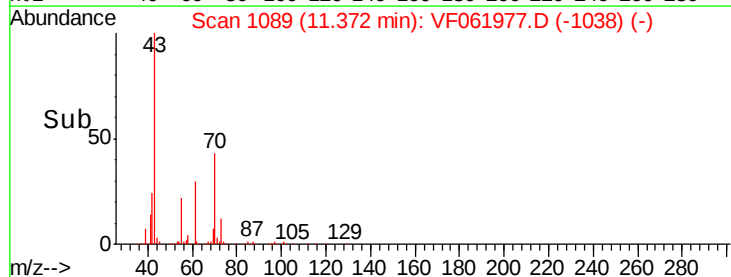
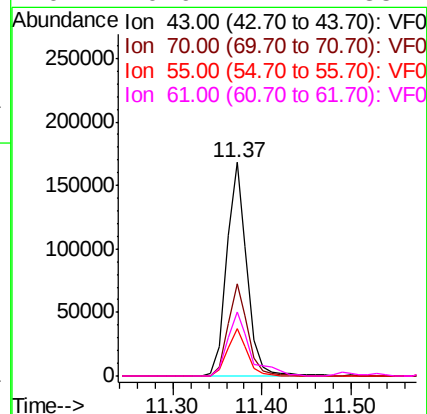
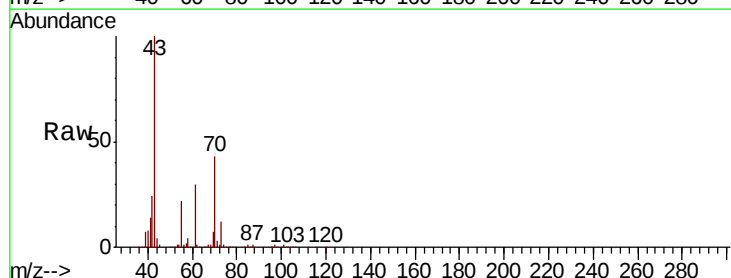
Ion Ratio Lower Upper

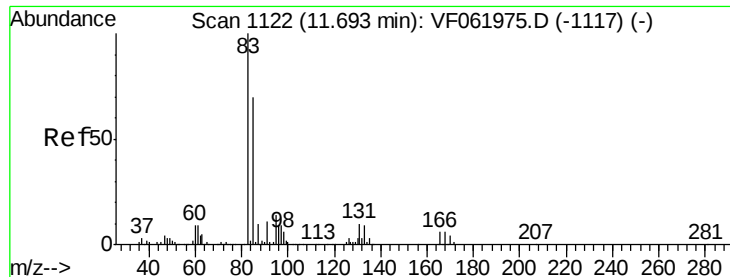
43 100

70 43.5 31.9 47.9

55 22.2 17.9 26.9

61 29.9 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 92.197 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

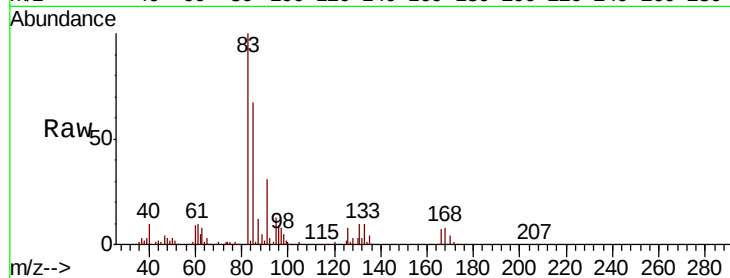
Tot Ion: 83 Resp: 186347

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.7

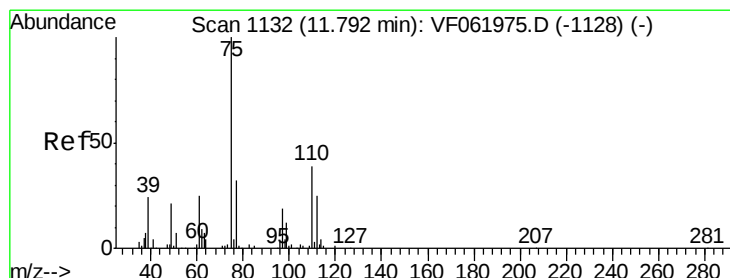
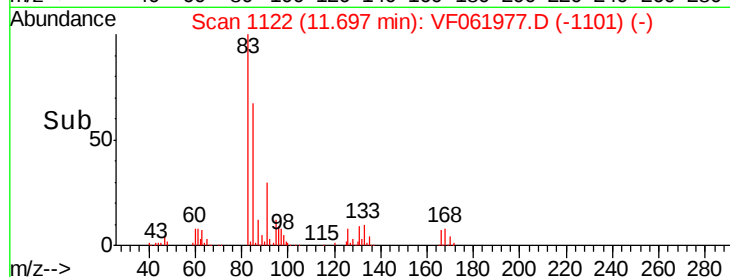
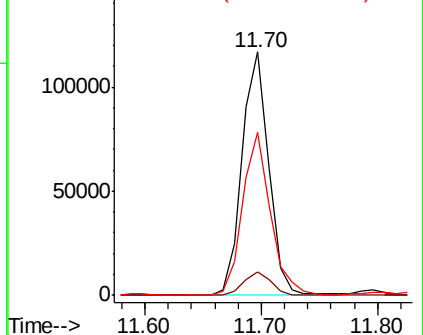
85 66.8 35.3 105.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 93.820 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF061977.D

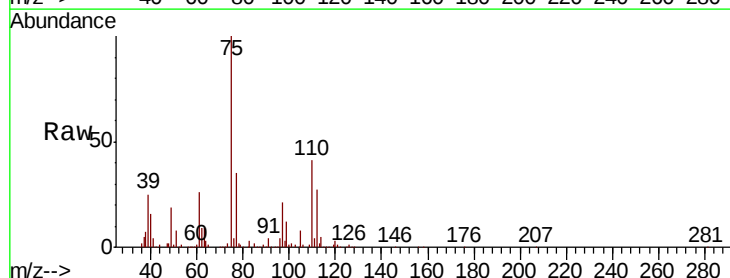
Acq: 16 Mar 2019 13:51

Tgt Ion: 75 Resp: 132599

Ion Ratio Lower Upper

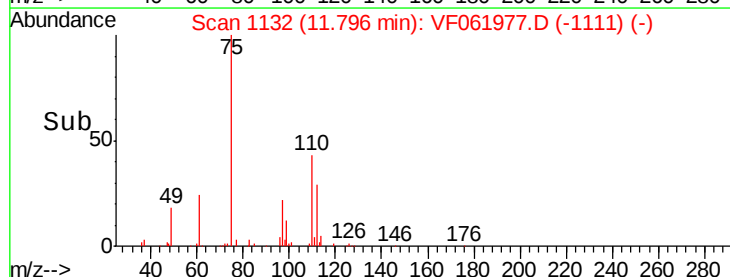
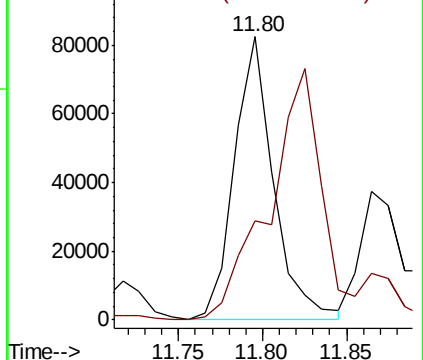
75 100

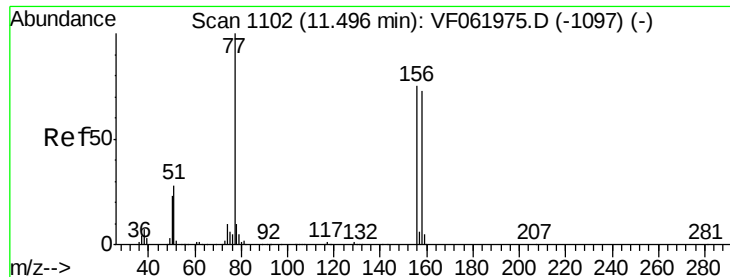
77 35.2 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 92.432 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

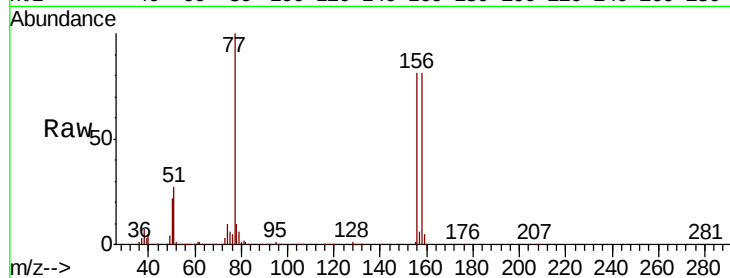
Tot Ion:156 Resp: 262112

Ion Ratio Lower Upper

156 100

77 123.8 67.0 201.0

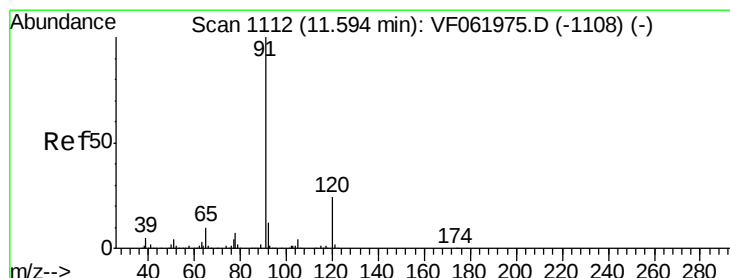
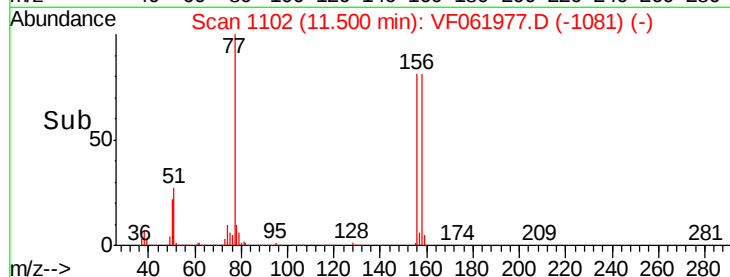
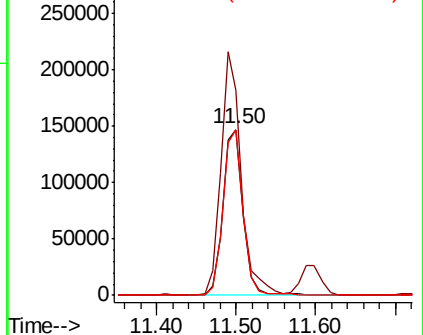
158 99.7 48.9 146.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 86.491 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF061977.D

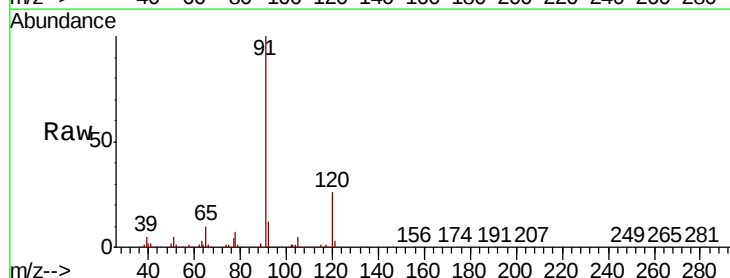
Acq: 16 Mar 2019 13:51

Tgt Ion: 91 Resp: 1217796

Ion Ratio Lower Upper

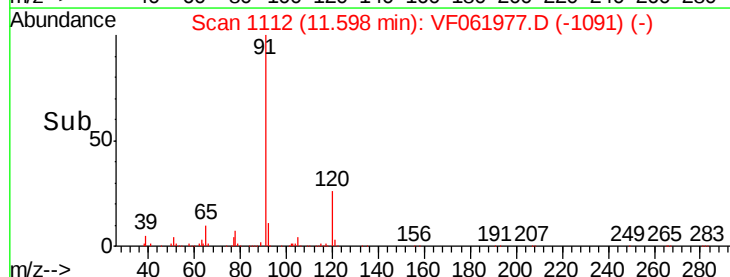
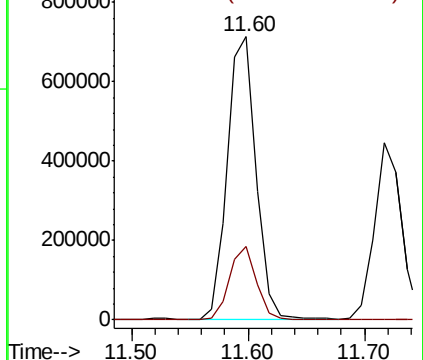
91 100

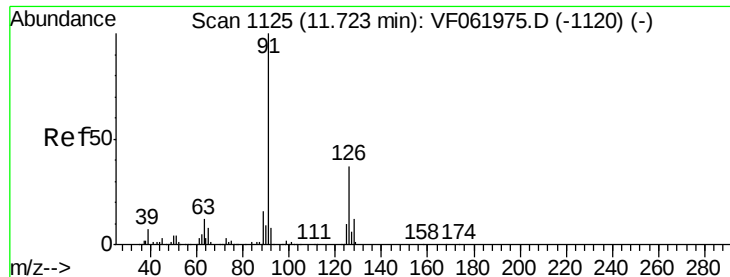
120 26.0 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 89.540 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

Instrument :

MSVOA_F

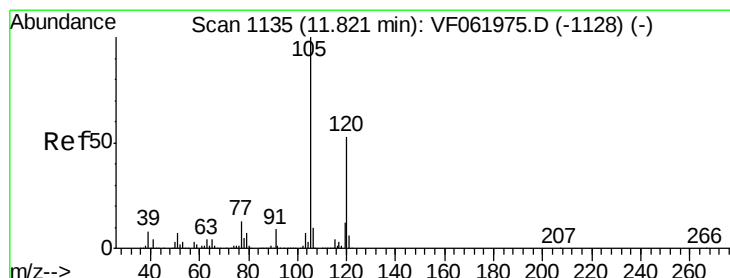
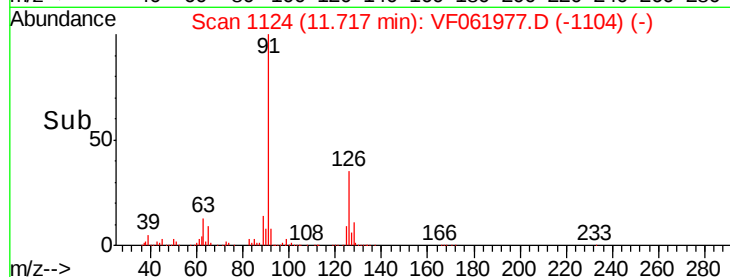
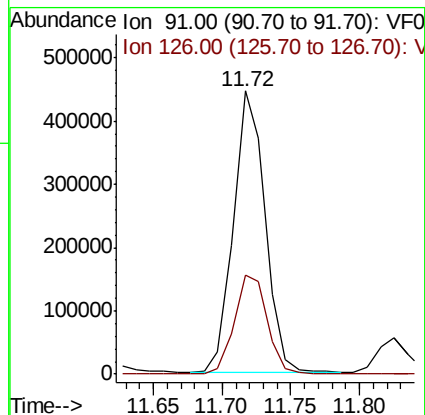
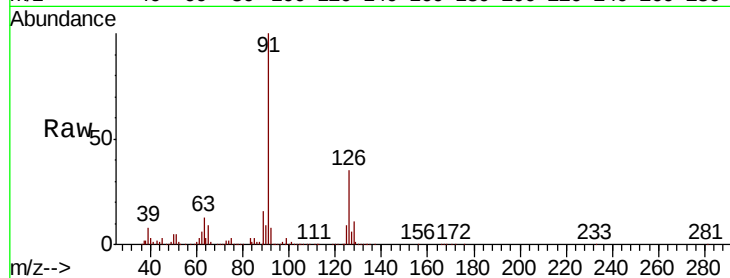
ClientSampleId :

Tot Ion: 91 Resp: 711616

Ion Ratio Lower Upper

91 100

126 35.0 18.4 55.2



#80

1,3,5-Trimethylbenzene

Concen: 87.750 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VF061977.D

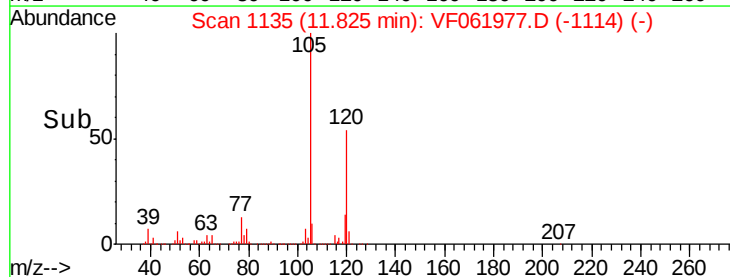
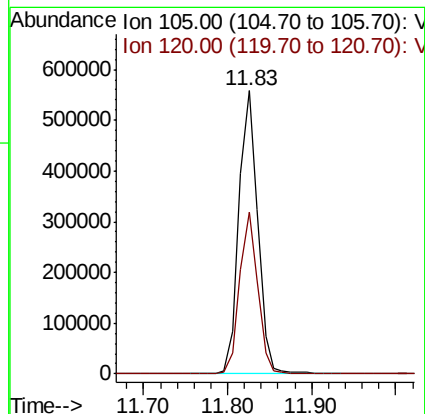
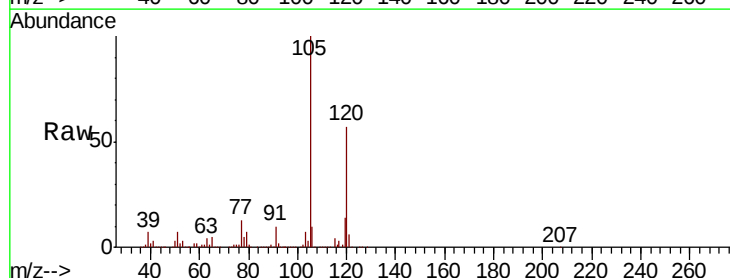
Acq: 16 Mar 2019 13:51

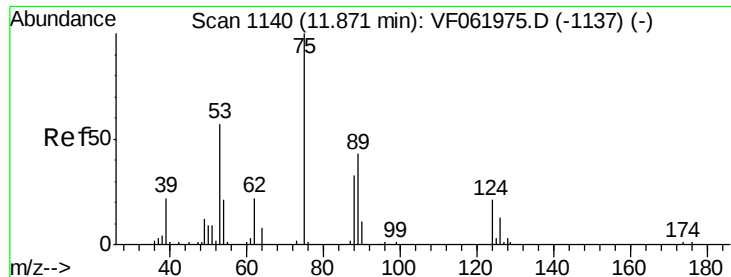
Tgt Ion:105 Resp: 867966

Ion Ratio Lower Upper

105 100

120 57.1 26.6 79.7





#81

trans-1,4-Dichloro-2-butene

Concen: 127.196 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

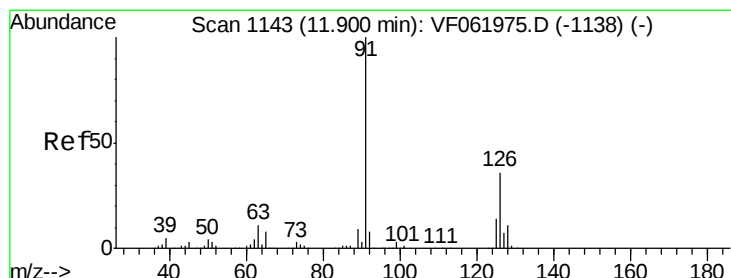
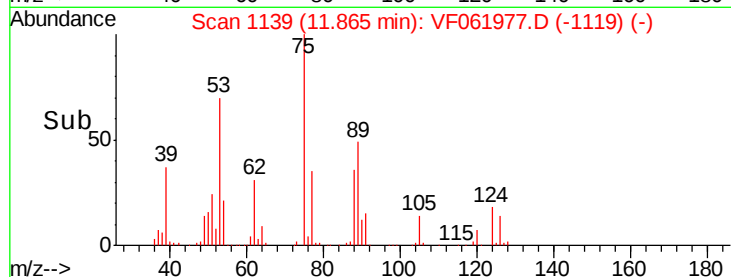
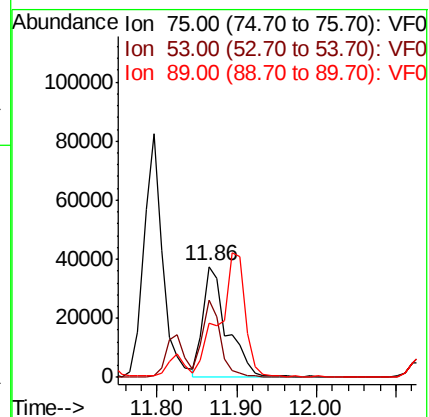
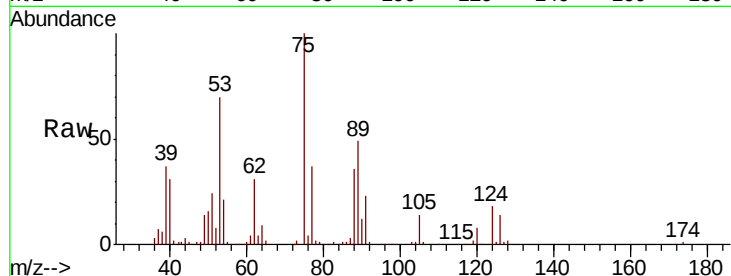
Tot Ion: 75 Resp: 79528

Ion Ratio Lower Upper

75 100

53 70.0 49.0 73.6

89 49.0 37.1 55.7



#82

4-Chlorotoluene

Concen: 86.179 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF061977.D

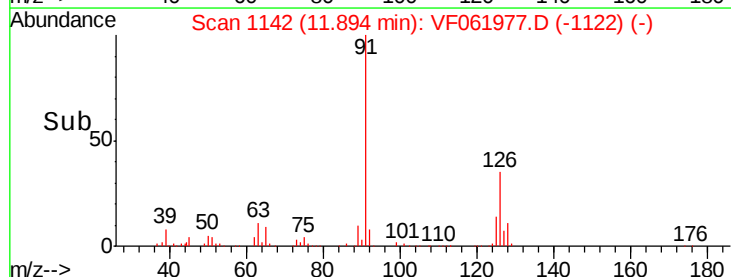
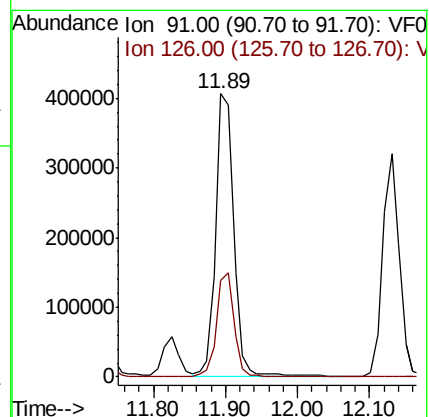
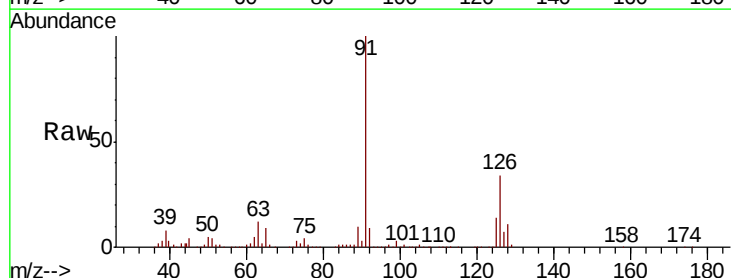
Acq: 16 Mar 2019 13:51

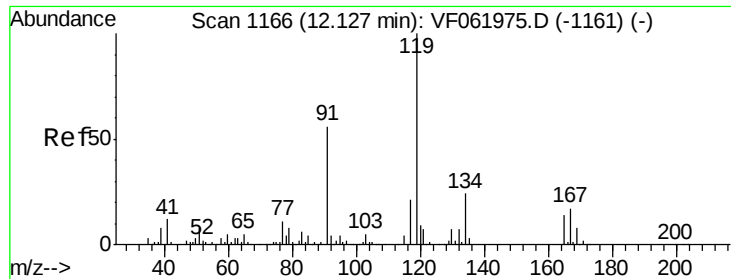
Tgt Ion: 91 Resp: 692619

Ion Ratio Lower Upper

91 100

126 34.3 18.1 54.1

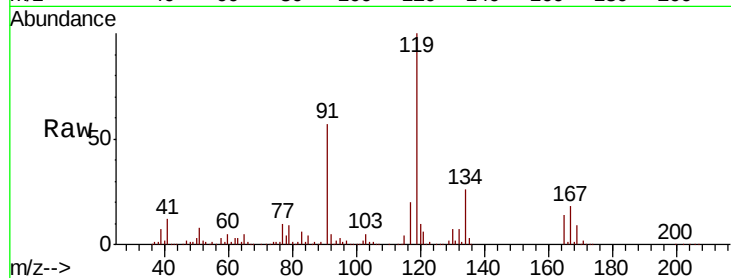




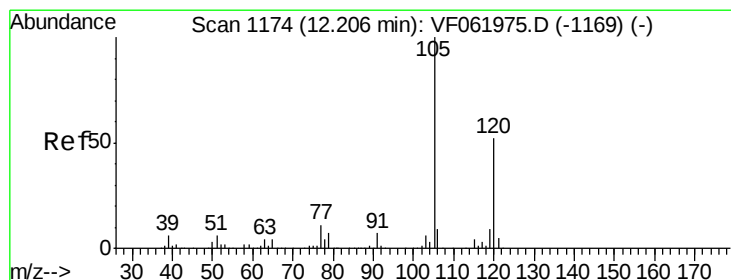
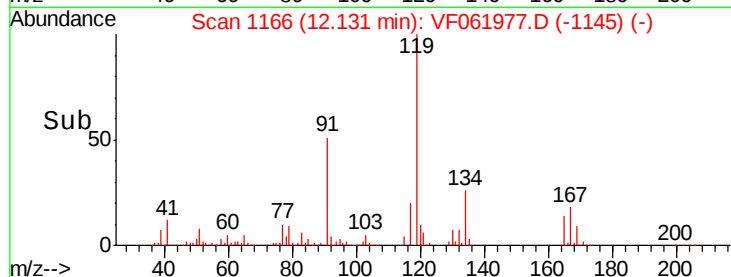
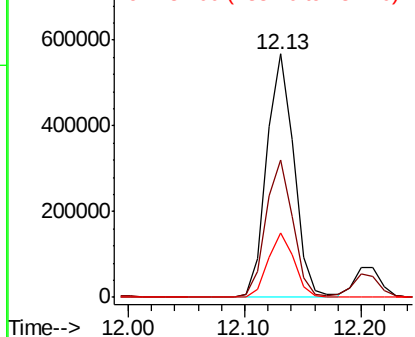
#83
 tert-Butylbenzene
 Concen: 88.979 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: VF061977.D
 Acq: 16 Mar 2019 13:51

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:119 Resp: 920444
 Ion Ratio Lower Upper
 119 100
 91 56.5 27.9 83.6
 134 26.4 12.3 36.8

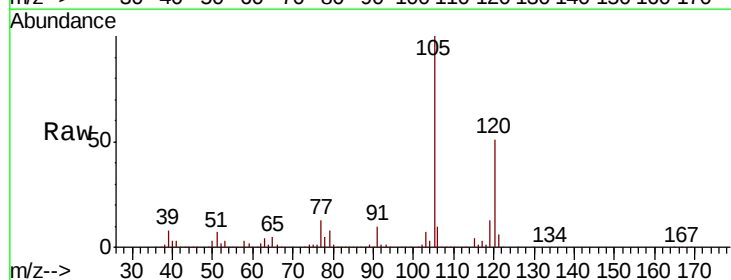


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

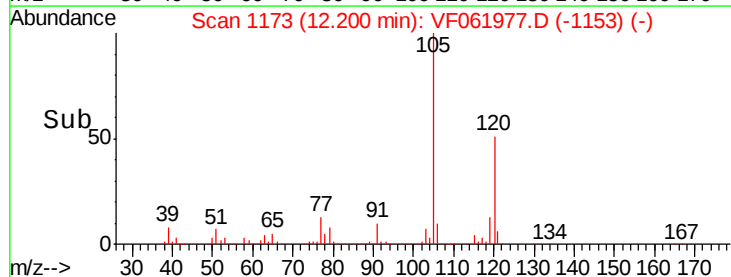
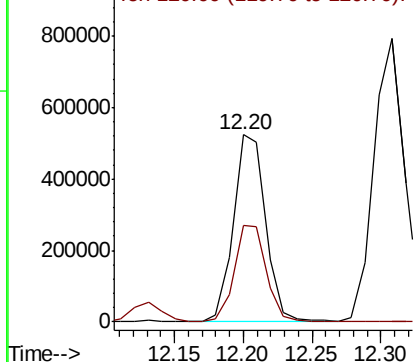


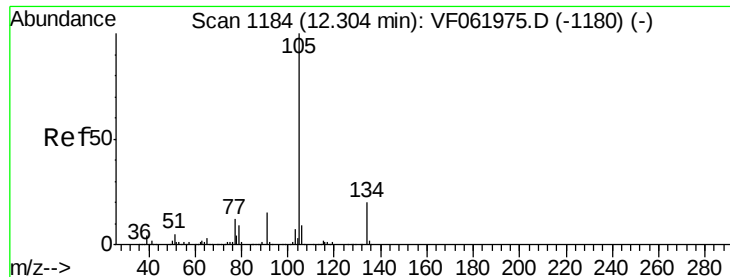
#84
 1,2,4-Trimethylbenzene
 Concen: 86.005 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VF061977.D
 Acq: 16 Mar 2019 13:51

Tgt Ion:105 Resp: 852095
 Ion Ratio Lower Upper
 105 100
 120 51.3 25.9 77.8



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





#85

sec-Butylbenzene

Concen: 88.388 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

Instrument :

MSVOA_F

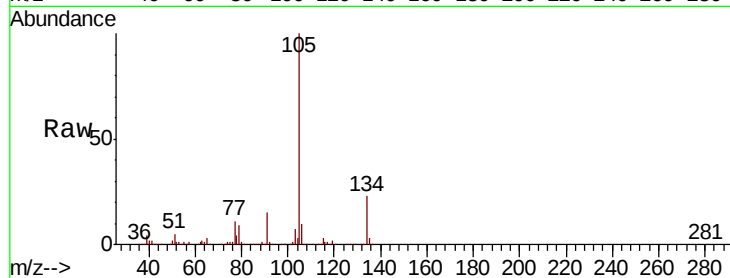
ClientSampleId :

Tot Ion:105 Resp: 1235340

Ion Ratio Lower Upper

105 100

134 22.9 10.0 29.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.31

800000

600000

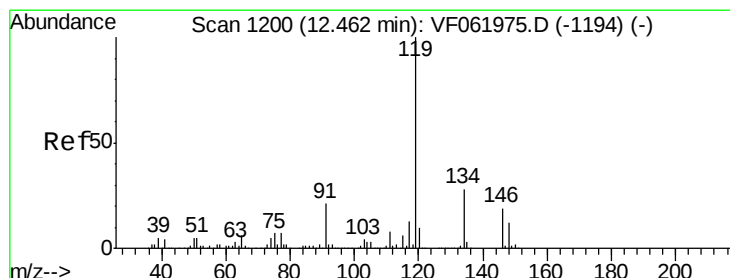
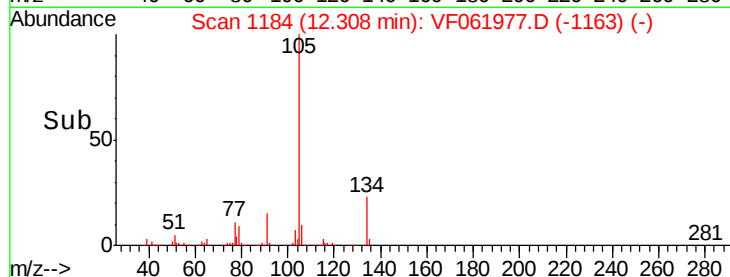
400000

200000

0

Time-->

12.20 12.30 12.40



#86

p-Isopropyltoluene

Concen: 86.818 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

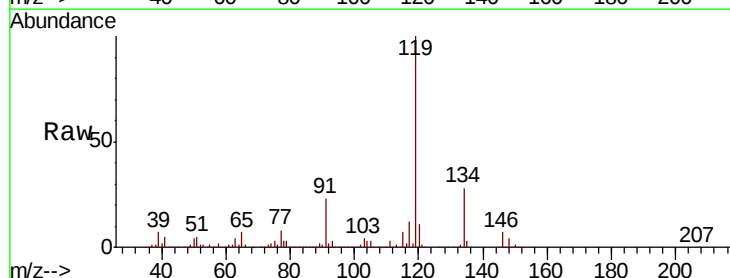
Tgt Ion:119 Resp: 1012504

Ion Ratio Lower Upper

119 100

134 28.1 13.9 41.7

91 22.8 10.4 31.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

12.46

800000

600000

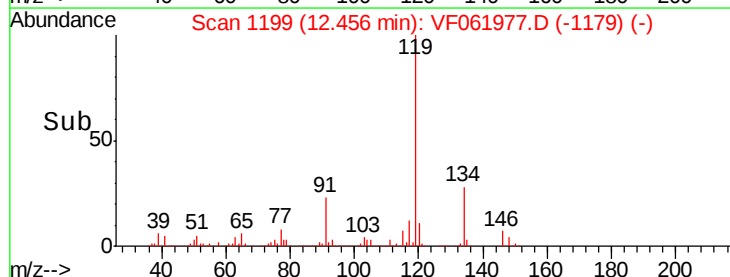
400000

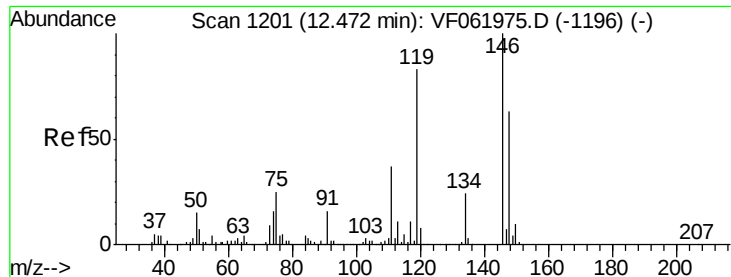
200000

0

Time-->

12.40 12.50 12.60

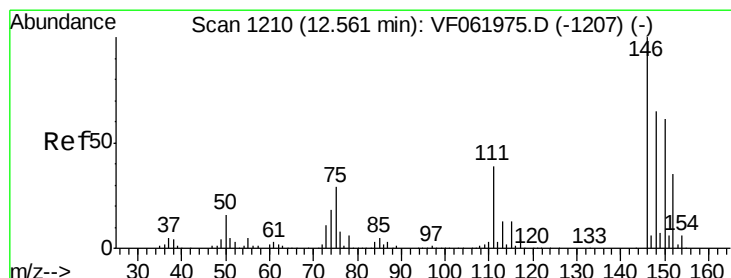
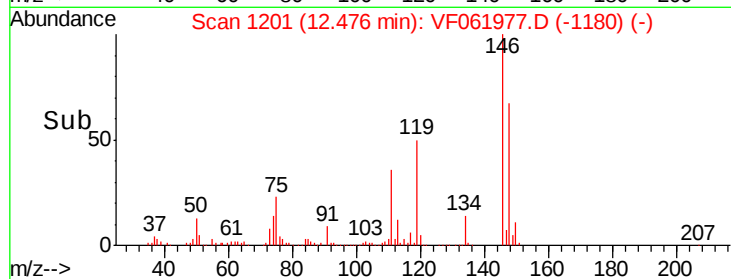
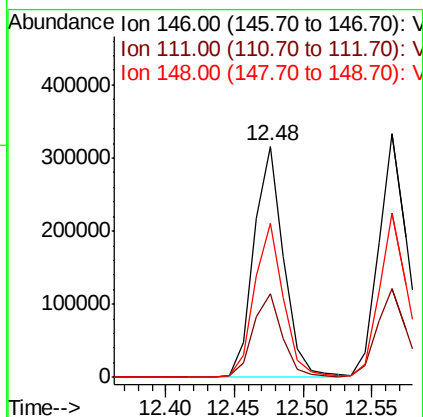
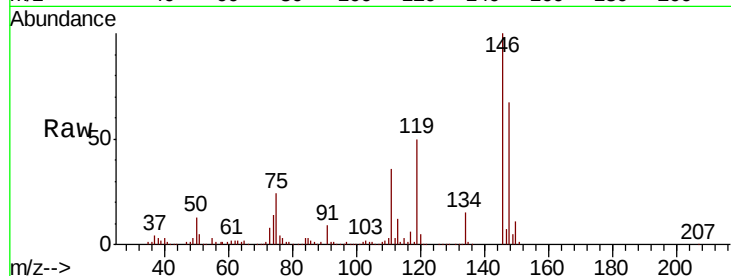




#87
 1,3-Dichlorobenzene
 Concen: 85.514 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF061977.D
 Acq: 16 Mar 2019 13:51

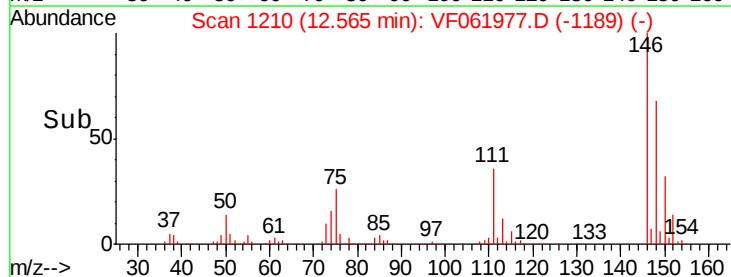
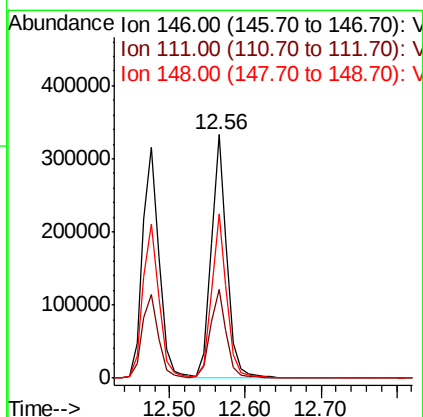
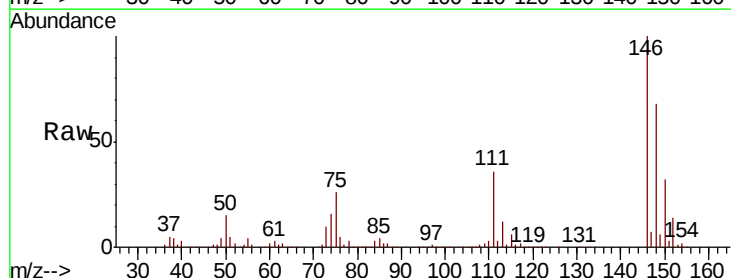
Instrument :
 MSVOA_F
 ClientSampled :

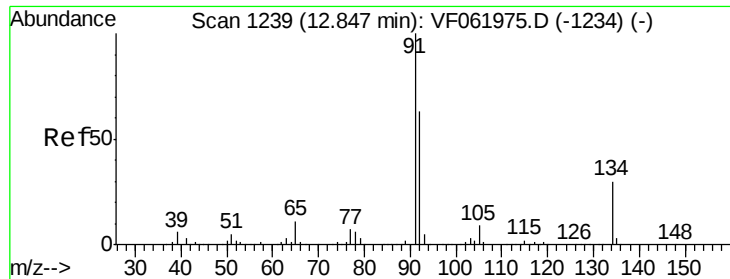
Tot Ion:146 Resp: 476597
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.6 55.8
 148 66.8 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 90.587 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF061977.D
 Acq: 16 Mar 2019 13:51

Tgt Ion:146 Resp: 485940
 Ion Ratio Lower Upper
 146 100
 111 36.3 19.4 58.1
 148 67.5 32.4 97.0

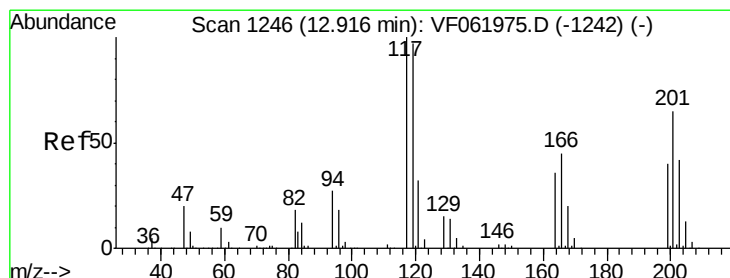
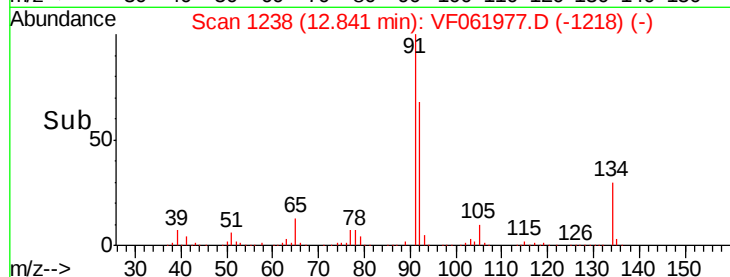
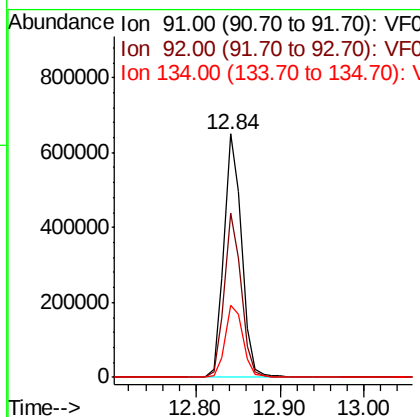
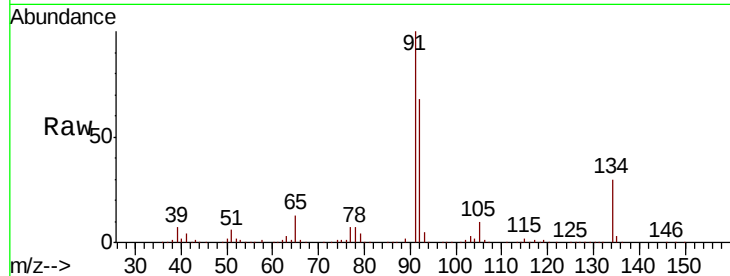




#89
n-Butylbenzene
Concen: 86.719 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

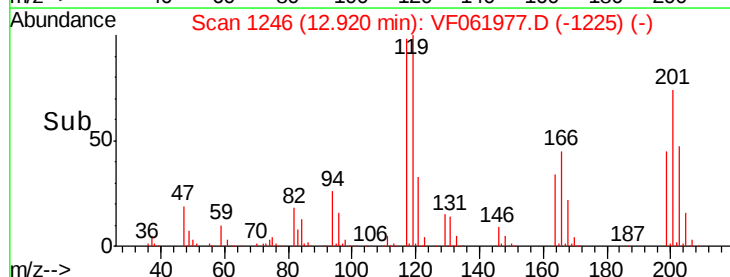
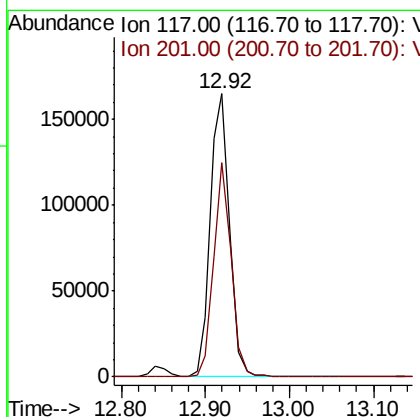
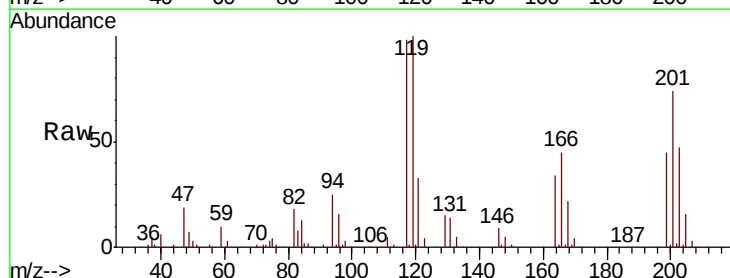
Instrument :
MSVOA_F
ClientSampleId :

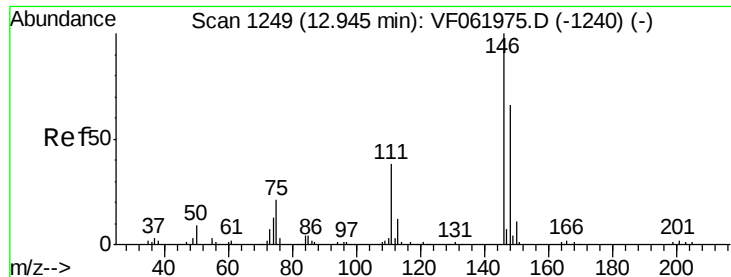
Tot Ion: 91 Resp: 950333
Ion Ratio Lower Upper
91 100
92 67.7 31.7 95.1
134 29.5 15.1 45.3



#90
Hexachloroethane
Concen: 98.206 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

Tgt Ion: 117 Resp: 261371
Ion Ratio Lower Upper
117 100
201 75.6 32.5 97.5





#91

1,2-Dichlorobenzene

Concen: 89.426 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

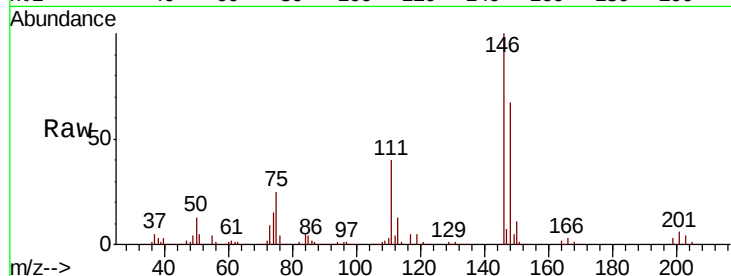
Tot Ion:146 Resp: 461614

Ion Ratio Lower Upper

146 100

111 40.4 18.9 56.5

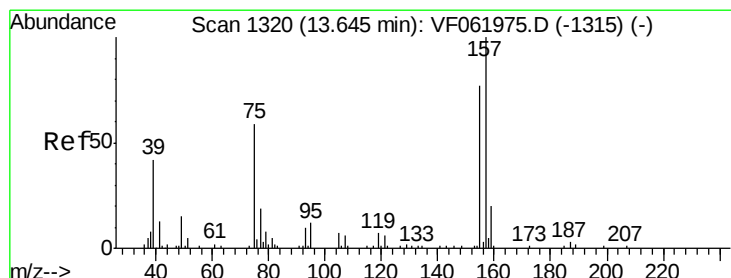
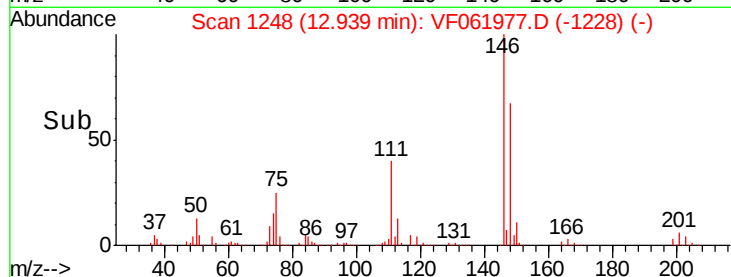
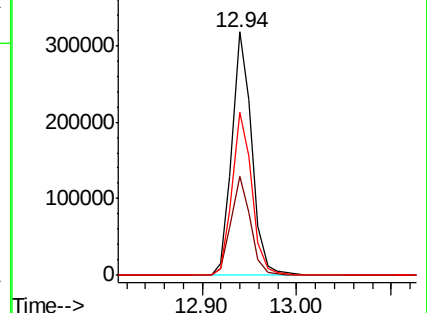
148 66.8 32.9 98.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 96.577 ug/l

RT: 13.64 min Scan# 1319

Delta R.T. -0.01 min

Lab File: VF061977.D

Acq: 16 Mar 2019 13:51

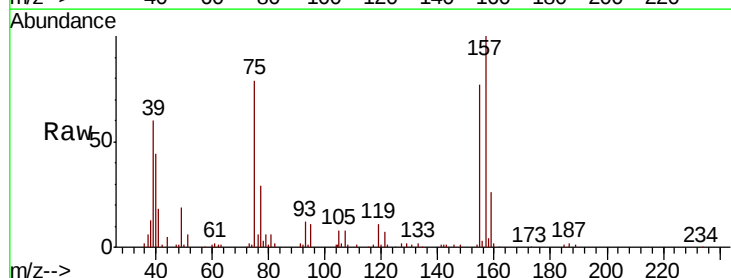
Tgt Ion: 75 Resp: 31324

Ion Ratio Lower Upper

75 100

155 97.5 65.0 195.1

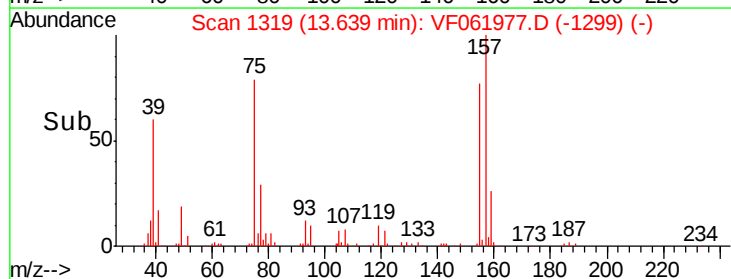
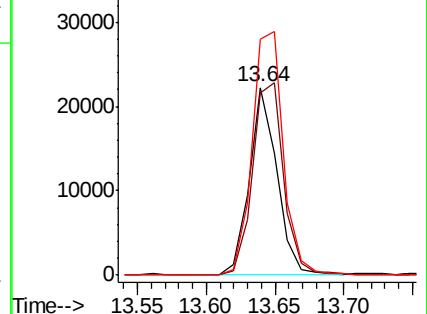
157 126.0 84.7 254.0

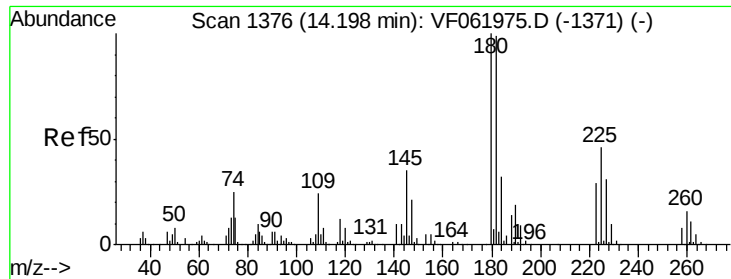


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

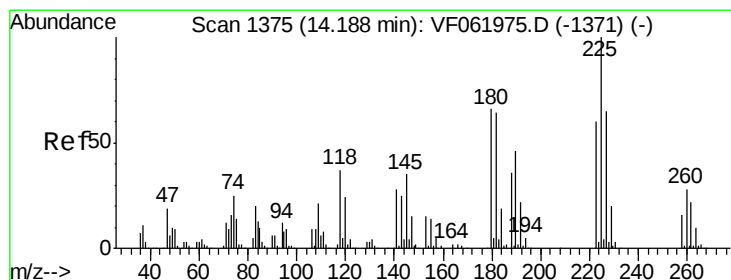
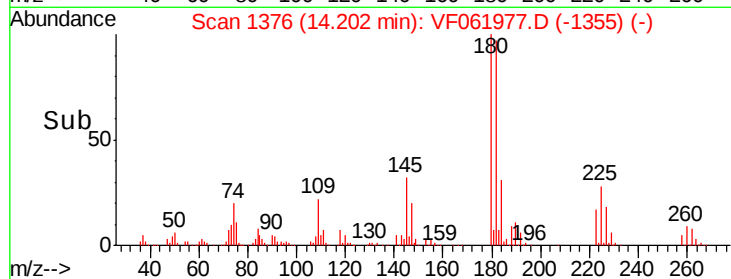
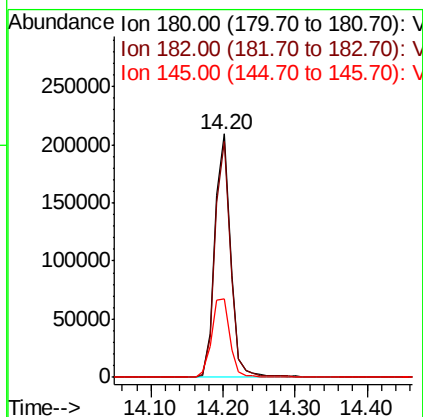
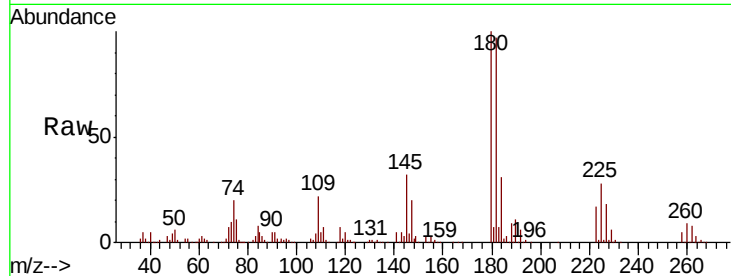




#93
 1,2,4-Trichlorobenzene
 Concen: 87.175 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VF061977.D
 Acq: 16 Mar 2019 13:51

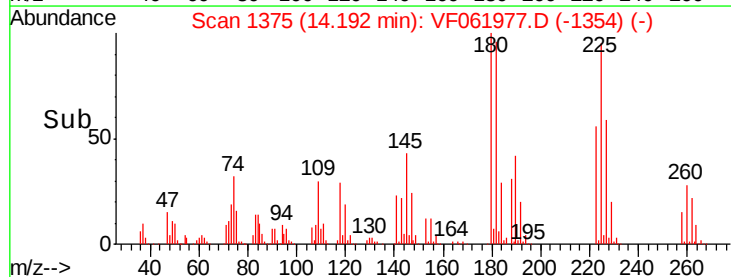
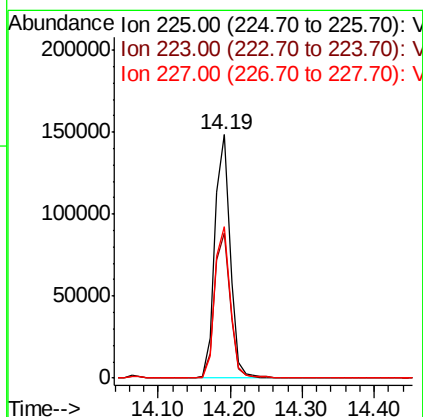
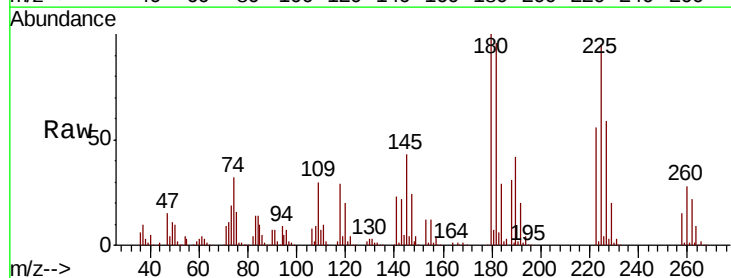
Instrument :
 MSVOA_F
 ClientSampleId :

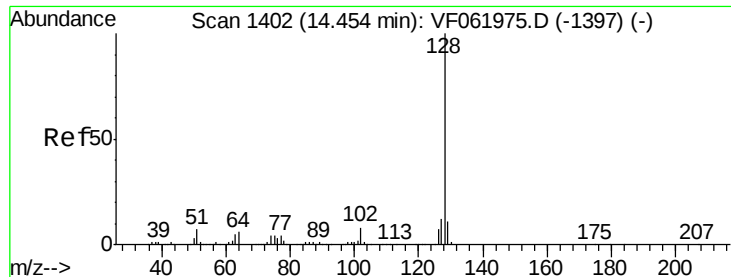
Tot Ion:180 Resp: 313358
 Ion Ratio Lower Upper
 180 100
 182 96.8 49.6 149.0
 145 32.1 17.5 52.5



#94
 Hexachlorobutadiene
 Concen: 90.333 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061977.D
 Acq: 16 Mar 2019 13:51

Tgt Ion:225 Resp: 215566
 Ion Ratio Lower Upper
 225 100
 223 59.4 29.9 89.7
 227 62.3 32.4 97.2

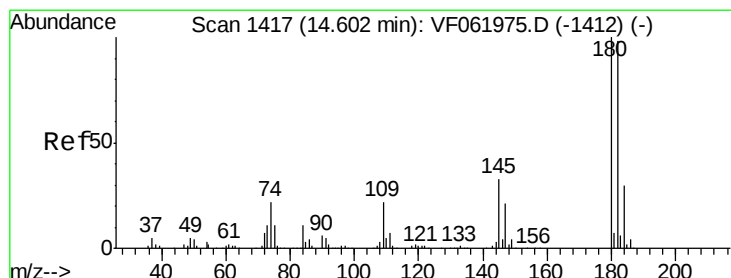
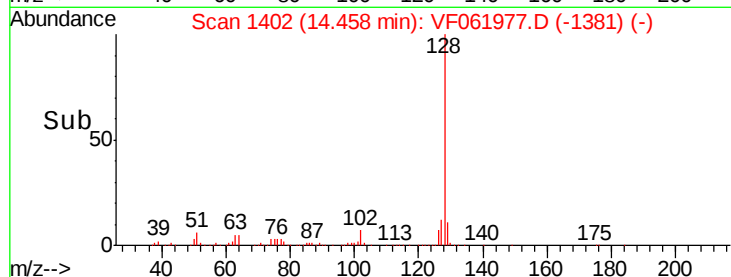
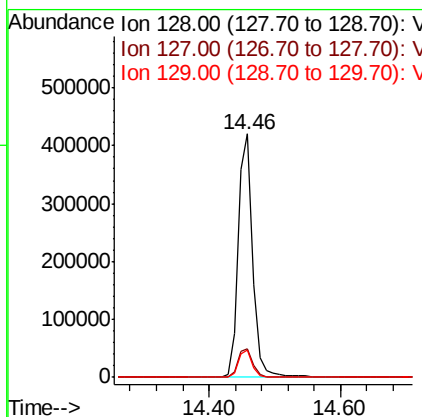
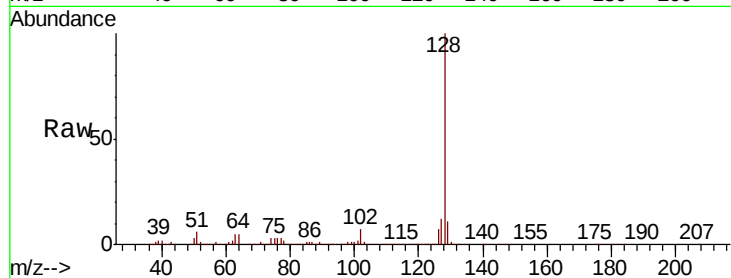




#95
Naphthalene
Concen: 100.130 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:128 Resp: 647339
Ion Ratio Lower Upper
128 100
127 12.0 9.3 13.9
129 11.1 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 94.026 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF061977.D
Acq: 16 Mar 2019 13:51

Tgt Ion:180 Resp: 310950
Ion Ratio Lower Upper
180 100
182 98.0 48.9 146.8
145 31.5 16.7 50.1

