

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031619\
 Data File : VF061975.D
 Acq On : 16 Mar 2019 12:08
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 22 02:34:21 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	260352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	399155	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	342846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	179025	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	91503	48.82	ug/l	0.00
Spiked Amount						
			Recovery	=	97.64%	
35) Dibromofluoromethane	4.11	113	127072	47.41	ug/l	0.00
Spiked Amount						
			Recovery	=	94.82%	
50) Toluene-d8	7.55	98	382486	48.81	ug/l	0.00
Spiked Amount						
			Recovery	=	97.62%	
62) 4-Bromofluorobenzene	11.41	95	142089	45.65	ug/l	0.00
Spiked Amount						
			Recovery	=	91.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	136604	49.219	ug/l	100
3) Chloromethane	1.09	50	133243	47.241	ug/l	100
4) Vinyl Chloride	1.14	62	132053	48.409	ug/l	100
5) Bromomethane	1.32	94	100507	52.449	ug/l	100
6) Chloroethane	1.39	64	72449	51.448	ug/l	100
7) Trichlorofluoromethane	1.47	101	182182	50.411	ug/l	100
8) Diethyl Ether	1.63	74	42474	52.868	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.84	101	121523	47.727	ug/l	100
10) Methyl Iodide	1.91	142	168103	37.721	ug/l	100
11) Tert butyl alcohol	2.58	59	31764	276.982	ug/l	100
12) 1,1-Dichloroethene	1.79	96	106699	48.557	ug/l	100
13) Acrolein	2.00	56	27971	225.939	ug/l	100
14) Allyl chloride	2.10	41	138617	49.419	ug/l	100
15) Acrylonitrile	2.94	53	88892	254.900	ug/l	100
16) Acetone	2.24	43	106379	252.777	ug/l	100
17) Carbon Disulfide	1.82	76	228000	35.877	ug/l	100
18) Methyl Acetate	2.35	43	50157	56.109	ug/l	100
19) Methyl tert-butyl Ether	2.43	73	205581	51.632	ug/l	100
20) Methylene Chloride	2.18	84	43692	20.166	ug/l	100
21) trans-1,2-Dichloroethene	2.31	96	115631	50.426	ug/l	100
22) Diisopropyl ether	2.80	45	351206	52.055	ug/l	100
23) Vinyl Acetate	3.19	43	692646	260.426	ug/l	100
24) 1,1-Dichloroethane	2.87	63	200226	51.039	ug/l	100
25) 2-Butanone	4.34	43	207766	249.281	ug/l	100
26) 2,2-Dichloropropane	3.60	77	93520	50.540	ug/l	100
27) cis-1,2-Dichloroethene	3.47	96	147369	50.988	ug/l	100
28) Bromochloromethane	3.72	49	84110	51.671	ug/l	100
29) Tetrahydrofuran	4.07	42	93252	257.270	ug/l	100
30) Chloroform	3.86	83	218603	49.181	ug/l	100
31) Cyclohexane	3.69	56	117814	30.653	ug/l	100
32) 1,1,1-Trichloroethane	4.10	97	149163	50.531	ug/l	100
36) 1,1-Dichloropropene	4.28	75	184604	51.214	ug/l	100
37) Ethyl Acetate	4.11	43	81864	50.581	ug/l	100
38) Carbon Tetrachloride	3.98	117	133494	50.675	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	221432	52.327	ug/l	100
40) Benzene	4.63	78	472343	49.454	ug/l	100
41) Methacrylonitrile	4.74	41	42800	49.496	ug/l	100
42) 1,2-Dichloroethane	4.94	62	119981	50.462	ug/l	100
43) Isopropyl Acetate	6.96	43	99282	51.846	ug/l	100
44) Trichloroethene	5.50	130	146751	50.156	ug/l	100
45) 1,2-Dichloropropane	6.23	63	117968	52.190	ug/l	100
46) Dibromomethane	6.08	93	71910	53.479	ug/l	100
47) Bromodichloromethane	6.39	83	161789	51.036	ug/l	100
48) Methyl methacrylate	6.71	41	61992	50.090	ug/l	100
49) 1,4-Dioxane	6.70	88	12252	1112.958	ug/l	100
51) 4-Methyl-2-Pentanone	8.26	43	354823	260.935	ug/l	100
52) Toluene	7.62	92	287504	49.265	ug/l	100
53) t-1,3-Dichloropropene	8.28	75	139922	52.281	ug/l	100
54) cis-1,3-Dichloropropene	7.30	75	181271	51.909	ug/l	100
55) 1,1,2-Trichloroethane	8.49	97	83034	50.980	ug/l	100
56) Ethyl methacrylate	8.62	69	95351	51.499	ug/l	100
57) 1,3-Dichloropropane	8.85	76	145459	53.537	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.30	63	86765	258.721	ug/l	100
59) 2-Hexanone	9.49	43	251899	255.968	ug/l	100
60) Dibromochloromethane	8.72	129	120004	53.072	ug/l	100
61) 1,2-Dibromoethane	8.99	107	90493	51.796	ug/l	100
64) Tetrachloroethene	8.15	164	127834	51.295	ug/l	100
65) Chlorobenzene	9.80	112	321126	50.308	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	127676	51.602	ug/l	100
67) Ethyl Benzene	9.90	91	536432	49.081	ug/l	100
68) m/p-Xylenes	10.14	106	403571	98.177	ug/l	100
69) o-Xylene	10.72	106	226792	51.561	ug/l	100
70) Styrene	10.79	104	304830	50.024	ug/l	100
71) Bromoform	10.78	173	67329	53.799	ug/l	100
73) Isopropylbenzene	11.12	105	656105	53.048	ug/l	100
74) N-amyl acetate	11.37	43	148829	52.516	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.69	83	107173	52.497	ug/l	100
76) 1,2,3-Trichloropropane	11.79	75	74754	52.366	ug/l	100
77) Bromobenzene	11.50	156	147281	51.421	ug/l	100
78) n-propylbenzene	11.59	91	689924	48.513	ug/l	100
79) 2-Chlorotoluene	11.72	91	399901	49.817	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	505579	50.604	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.87	75	44900	71.098	ug/l	100
82) 4-Chlorotoluene	11.90	91	419837	51.718	ug/l	100
83) tert-Butylbenzene	12.13	119	540536	51.733	ug/l	100
84) 1,2,4-Trimethylbenzene	12.21	105	507677	50.732	ug/l	100
85) sec-Butylbenzene	12.30	105	698475	49.478	ug/l	100
86) p-Isopropyltoluene	12.46	119	606746	51.508	ug/l	100
87) 1,3-Dichlorobenzene	12.47	146	283131	50.295	ug/l	100
88) 1,4-Dichlorobenzene	12.56	146	275549	50.855	ug/l	100
89) n-Butylbenzene	12.85	91	574883	51.937	ug/l	100
90) Hexachloroethane	12.92	117	144190	53.638	ug/l	100
91) 1,2-Dichlorobenzene	12.95	146	260547	49.972	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.65	75	17819	54.392	ug/l	100

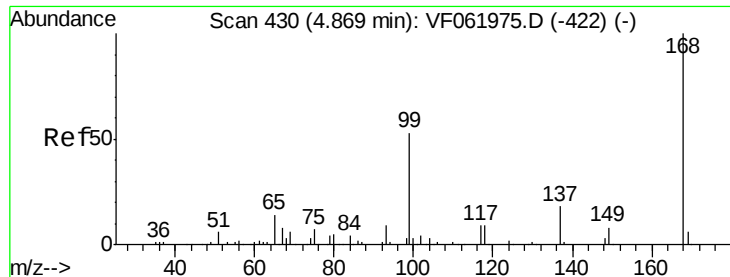
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	186482	51.362	ug/l	100
94) Hexachlorobutadiene	14.19	225	127490	52.893	ug/l	100
95) Naphthalene	14.45	128	351494	53.828	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	178792	53.526	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

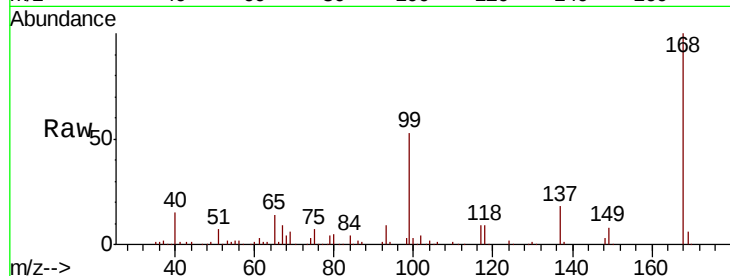
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 260352

Ion Ratio Lower Upper

168 100

99 53.0 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

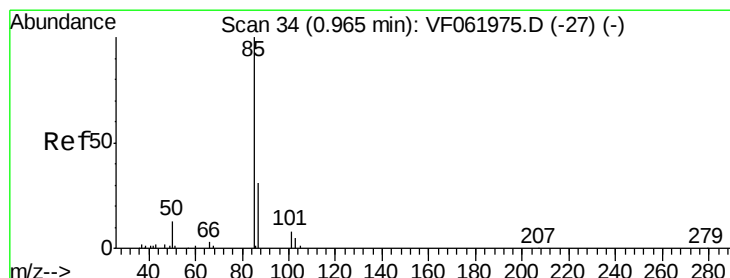
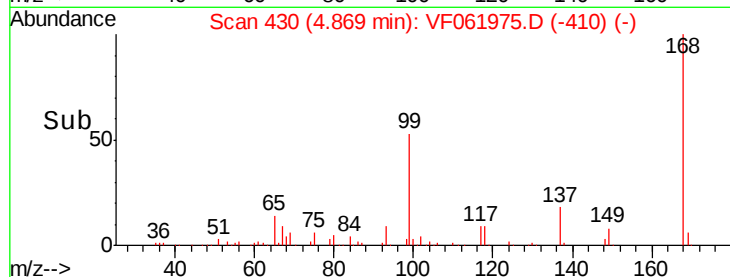
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 49.219 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061975.D

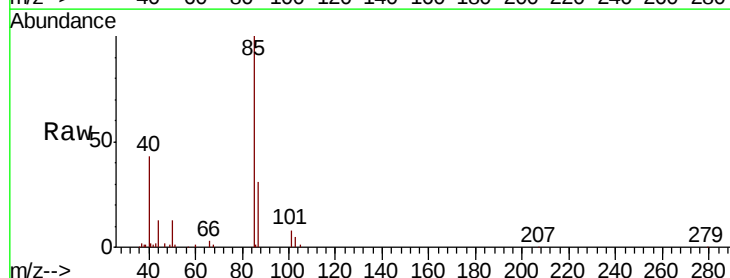
Acq: 16 Mar 2019 12:08

Tgt Ion: 85 Resp: 136604

Ion Ratio Lower Upper

85 100

87 30.8 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

40000

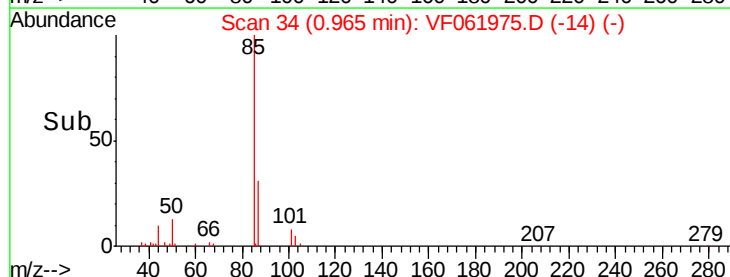
30000

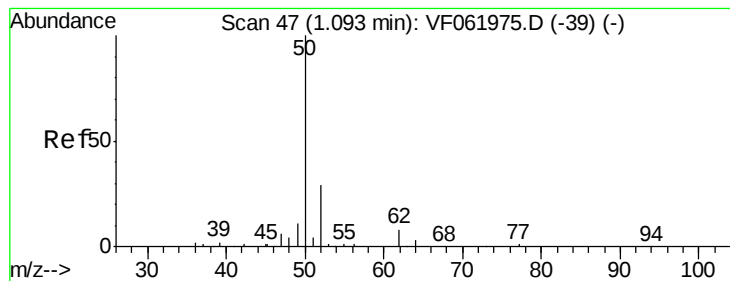
20000

10000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 47.241 ug/l

RT: 1.09 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

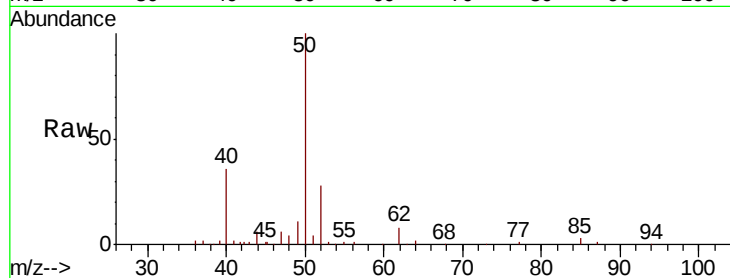
ClientSampleId :

Tot Ion: 50 Resp: 133243

Ion Ratio Lower Upper

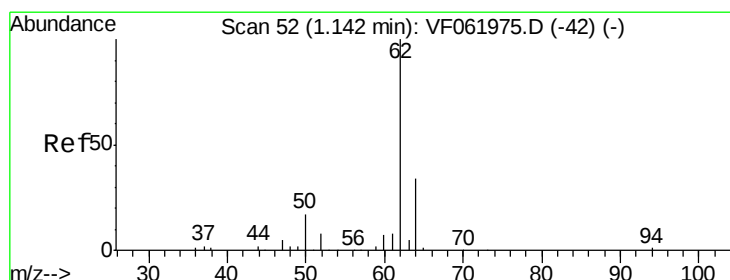
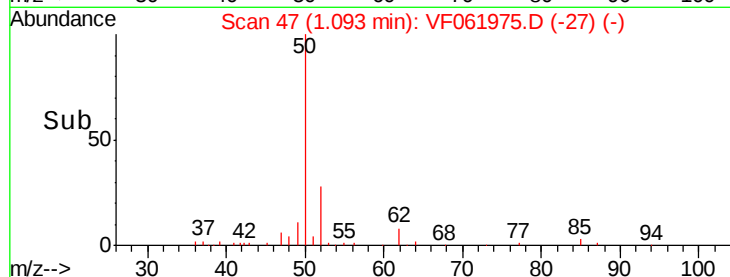
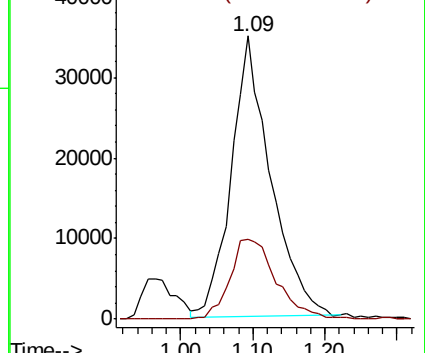
50 100

52 28.3 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: 48.409 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF061975.D

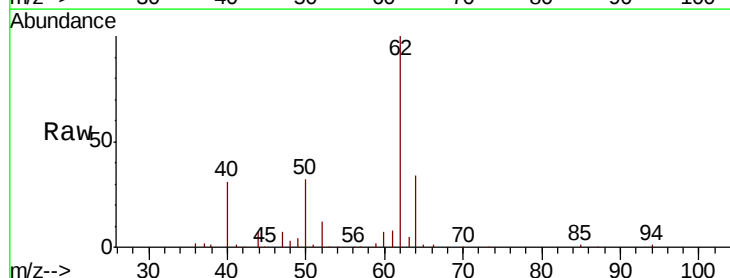
Acq: 16 Mar 2019 12:08

Tgt Ion: 62 Resp: 132053

Ion Ratio Lower Upper

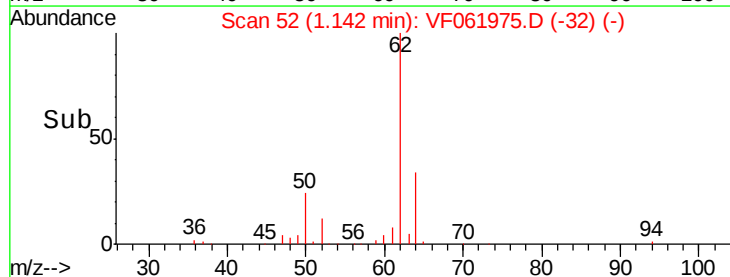
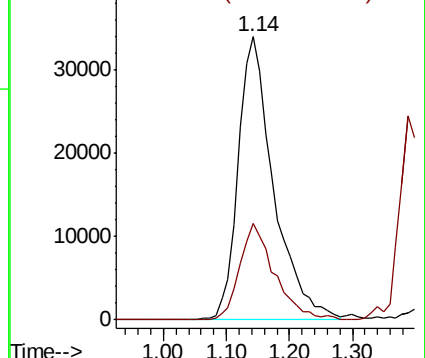
62 100

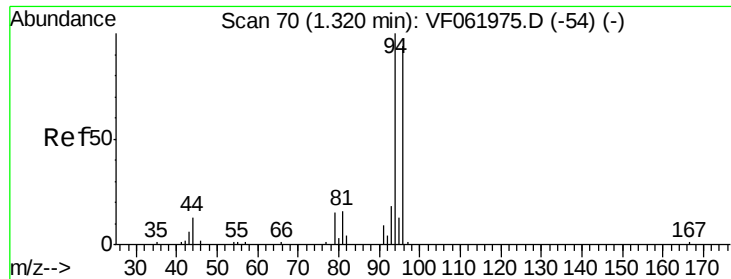
64 34.3 27.4 41.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 52.449 ug/l

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

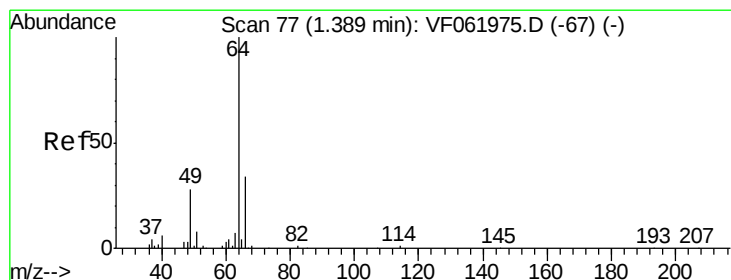
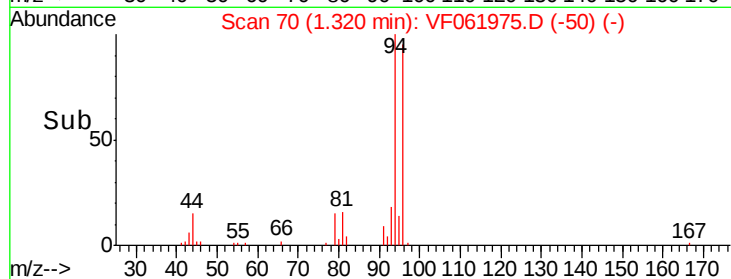
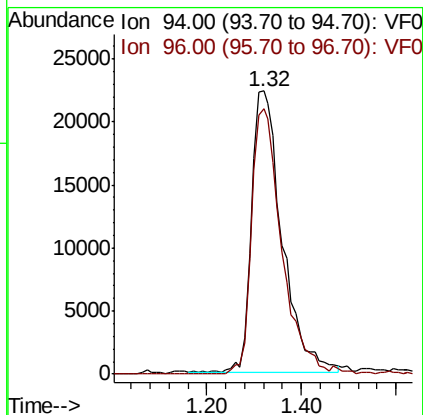
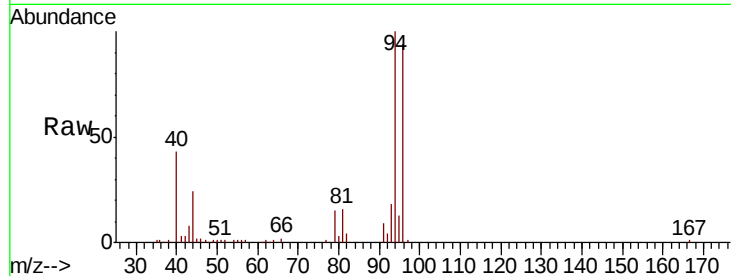
ClientSampleId :

Tot Ion: 94 Resp: 100507

Ion Ratio Lower Upper

94 100

96 93.8 75.0 112.6



#6

Chloroethane

Concen: 51.448 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.00 min

Lab File: VF061975.D

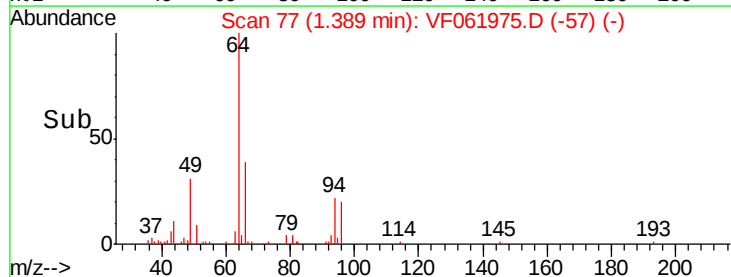
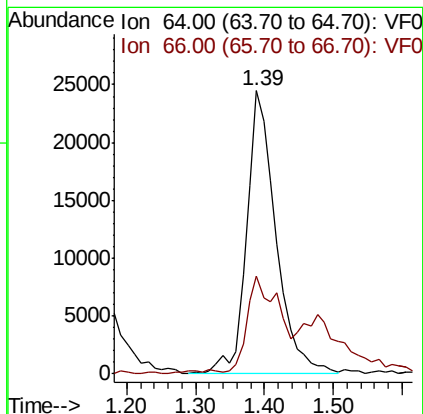
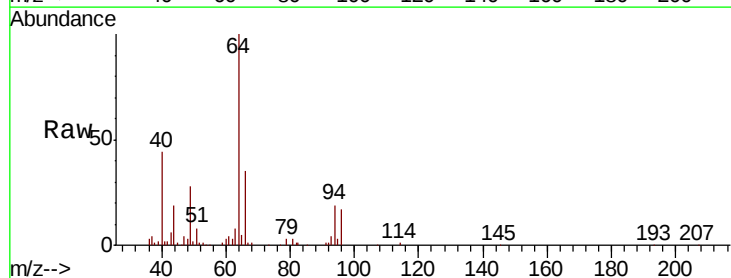
Acq: 16 Mar 2019 12:08

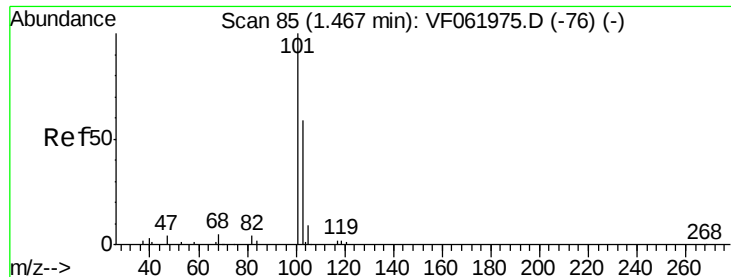
Tgt Ion: 64 Resp: 72449

Ion Ratio Lower Upper

64 100

66 34.5 27.6 41.4





#7

Trichlorofluoromethane

Concen: 50.411 ug/l

RT: 1.47 min Scan# 85

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

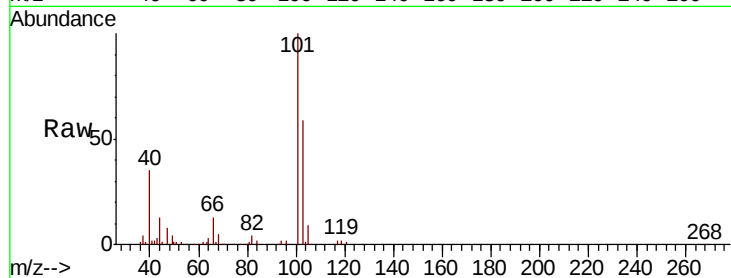
ClientSampleId :

Tot Ion:101 Resp: 182182

Ion Ratio Lower Upper

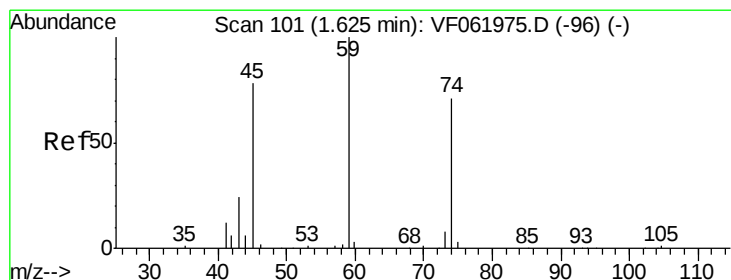
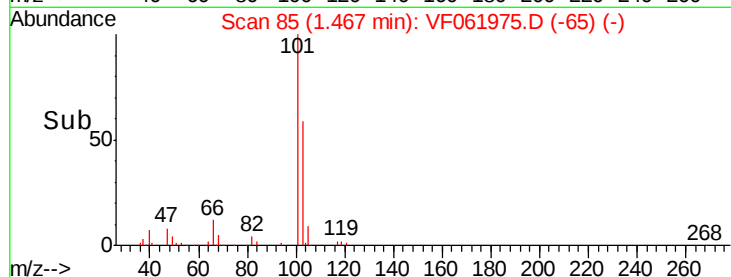
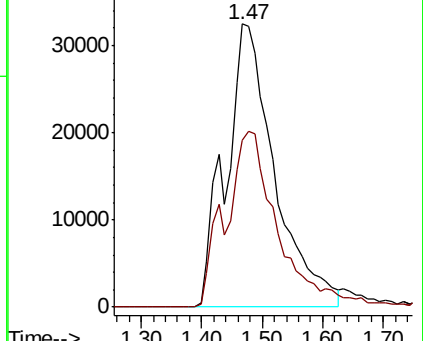
101 100

103 59.1 47.3 70.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 52.868 ug/l

RT: 1.63 min Scan# 101

Delta R.T. 0.00 min

Lab File: VF061975.D

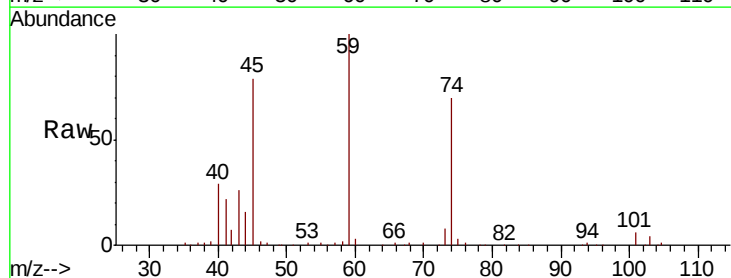
Acq: 16 Mar 2019 12:08

Tgt Ion: 74 Resp: 42474

Ion Ratio Lower Upper

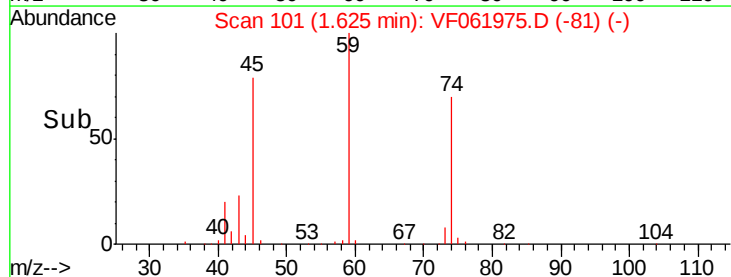
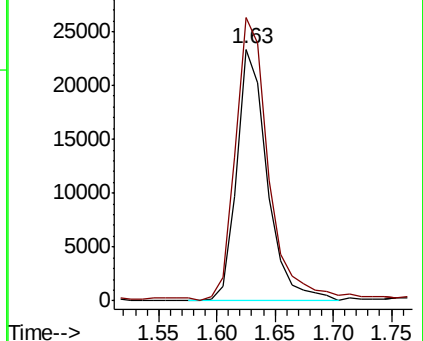
74 100

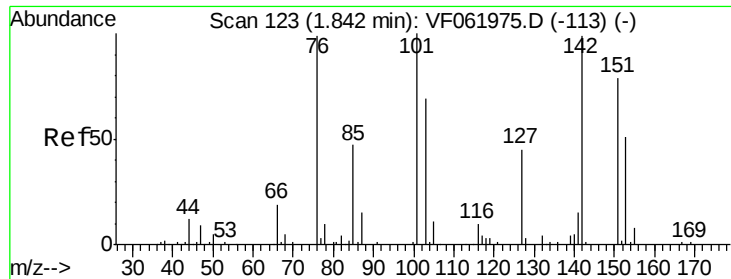
45 112.5 56.3 168.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.727 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

ClientSampleId :

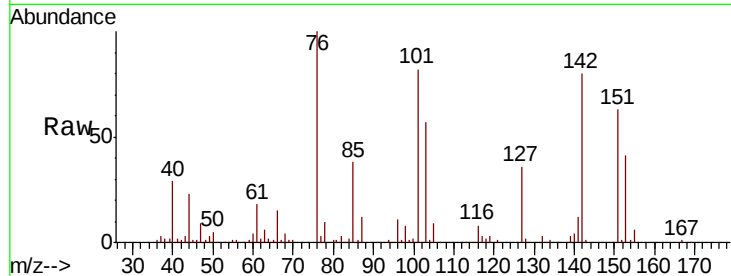
Tot Ion:101 Resp: 121523

Ion Ratio Lower Upper

101 100

85 46.0 36.8 55.2

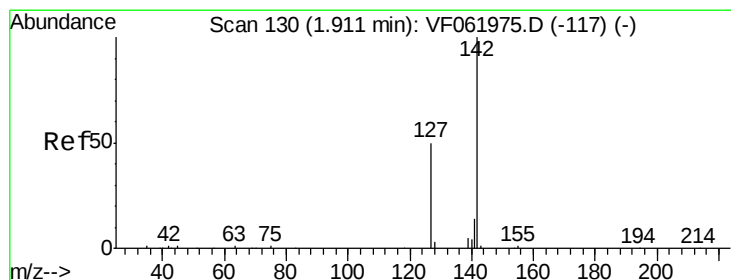
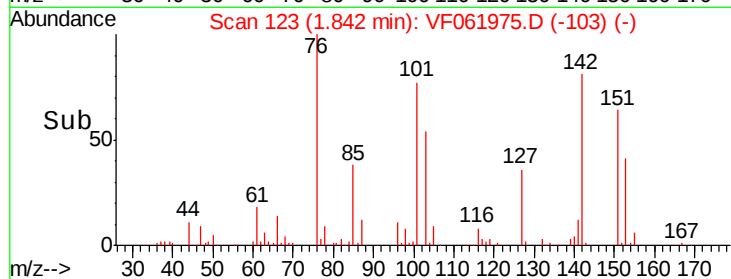
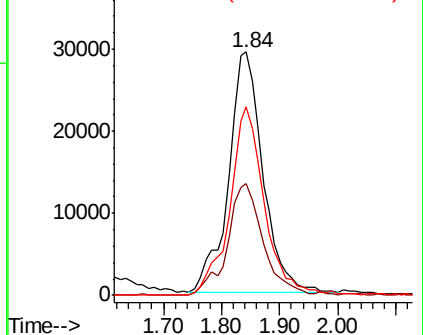
151 77.7 62.2 93.2



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: 37.721 ug/l

RT: 1.91 min Scan# 130

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

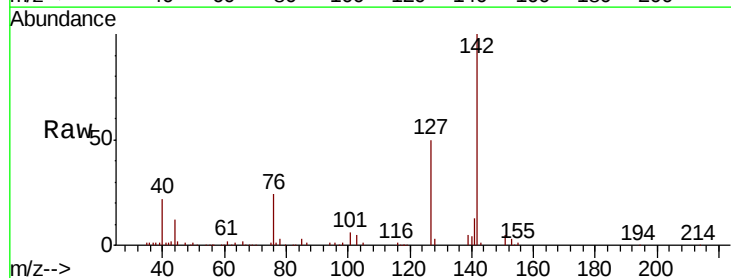
Tgt Ion:142 Resp: 168103

Ion Ratio Lower Upper

142 100

127 49.6 39.7 59.5

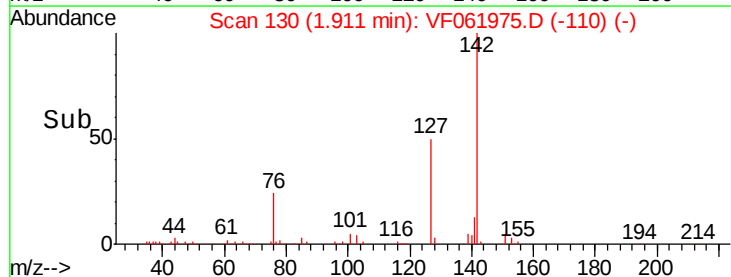
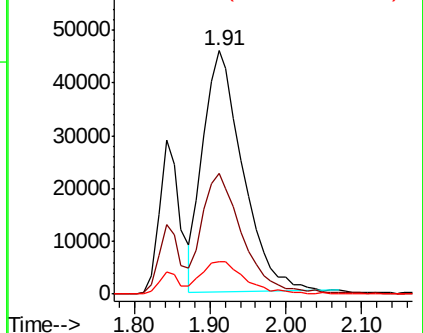
141 13.5 10.8 16.2

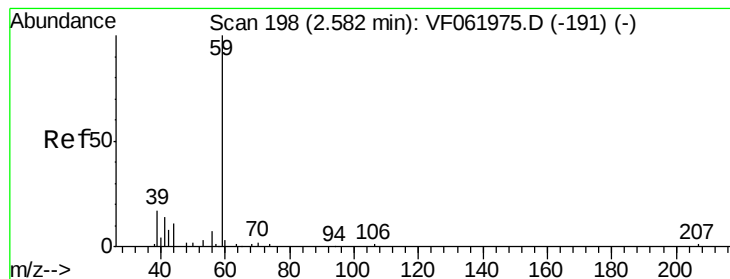


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



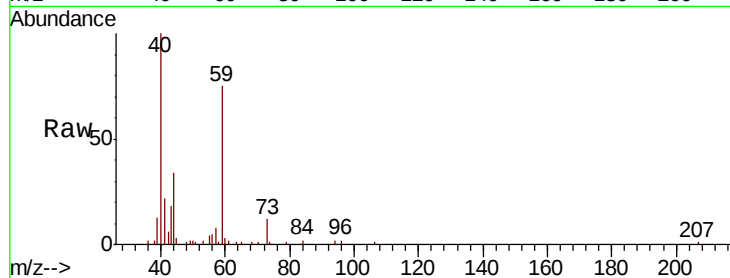


#11

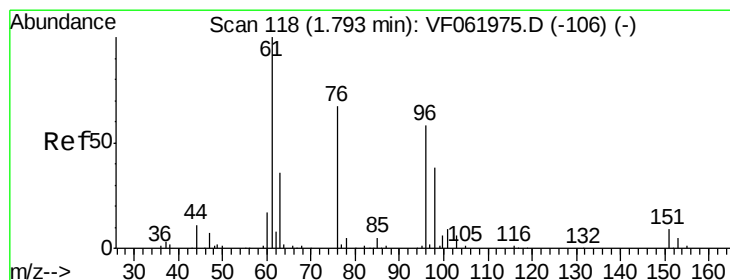
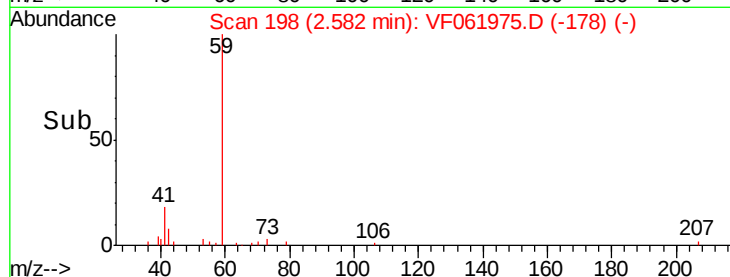
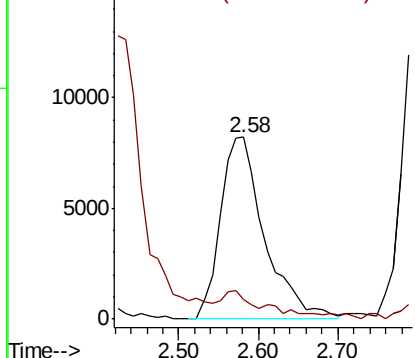
Tert butyl alcohol
Concen: 276.982 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 59 Resp: 31764
Ion Ratio Lower Upper
59 100
57 10.9 8.7 13.1



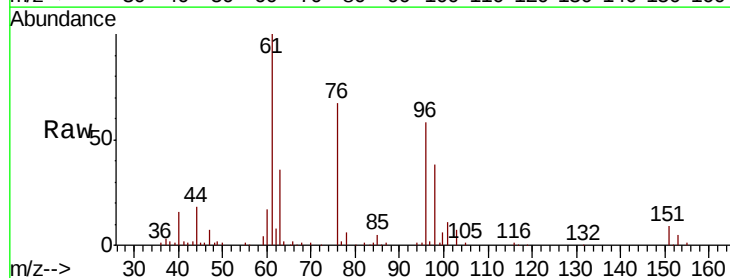
Abundance Ion 59.00 (58.70 to 59.70): VF0
Ion 57.00 (56.70 to 57.70): VF0



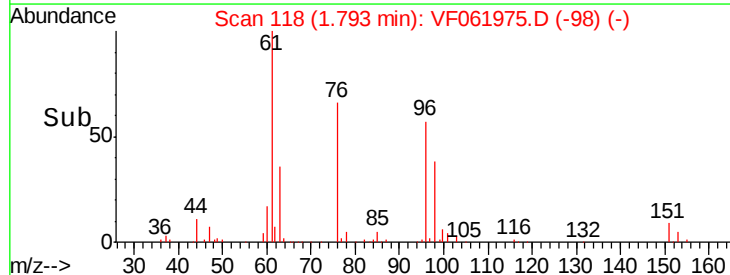
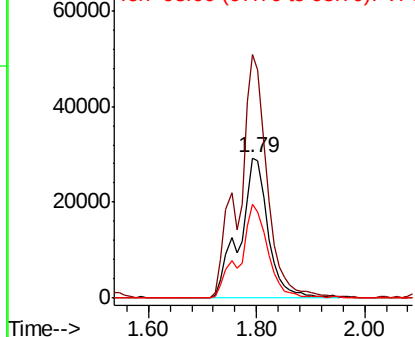
#12

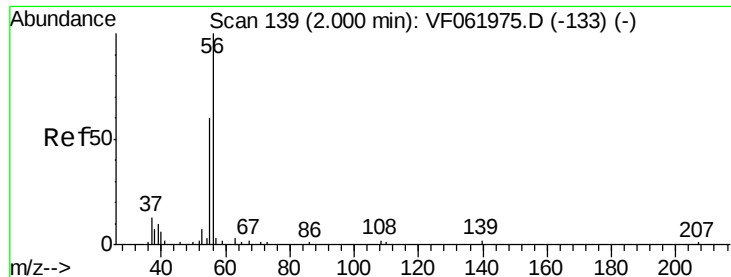
1,1-Dichloroethene
Concen: 48.557 ug/l
RT: 1.79 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tgt Ion: 96 Resp: 106699
Ion Ratio Lower Upper
96 100
61 173.3 138.6 208.0
98 66.5 53.2 79.8



Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#13

Acrolein

Concen: 225.939 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

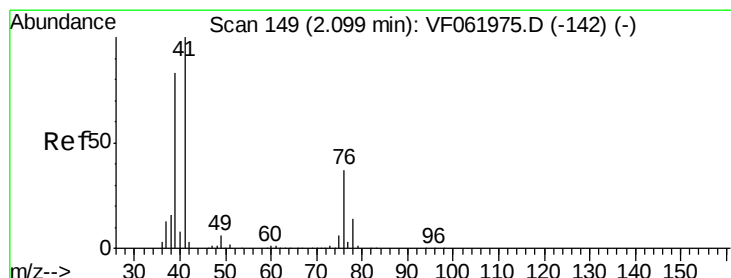
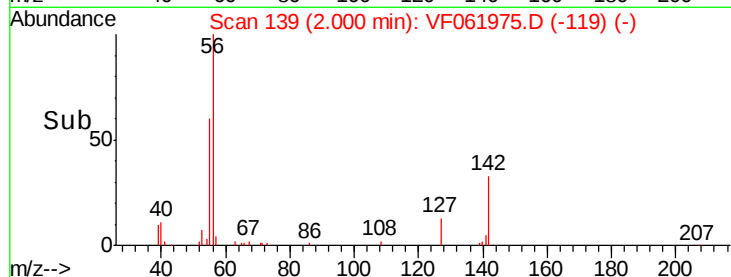
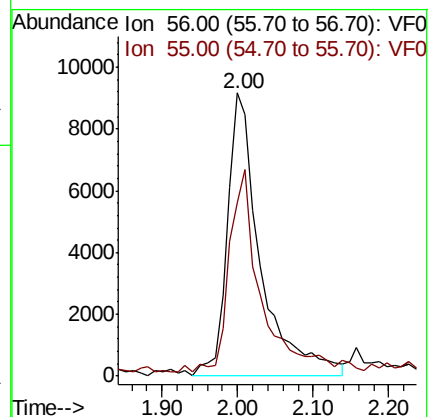
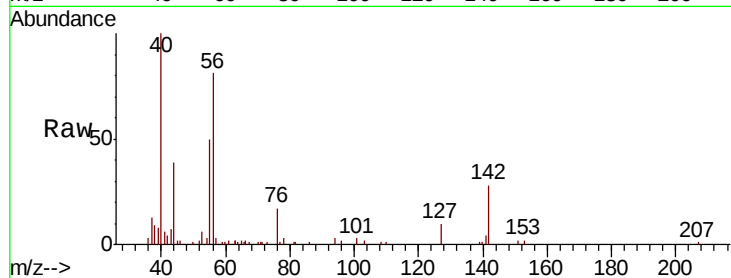
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 27971

Ion Ratio Lower Upper

56 100

55 61.4 49.1 73.7



#14

Allyl chloride

Concen: 49.419 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

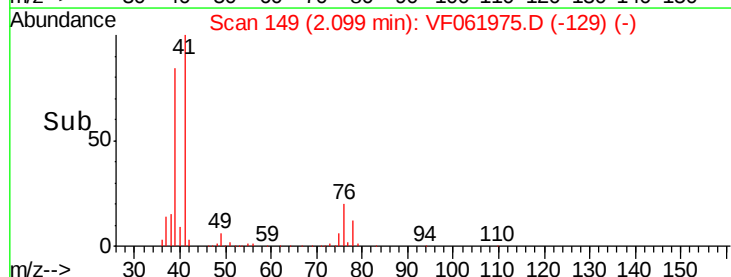
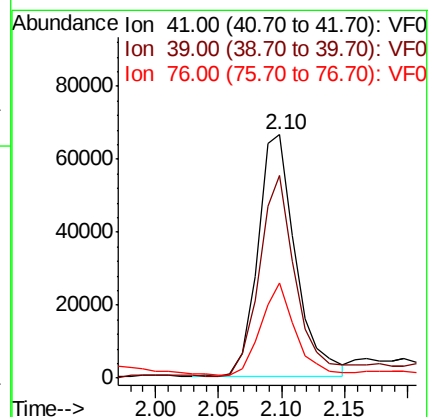
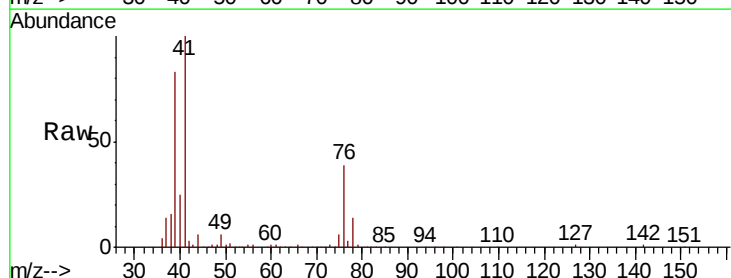
Tgt Ion: 41 Resp: 138617

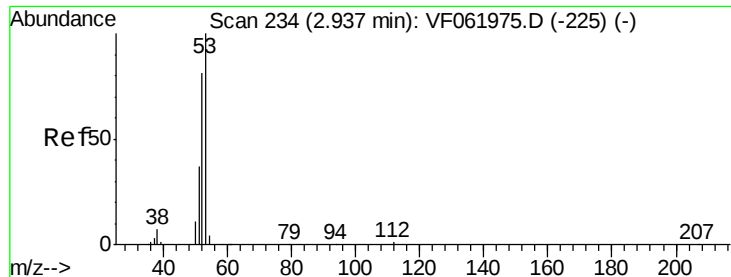
Ion Ratio Lower Upper

41 100

39 83.5 66.8 100.2

76 38.9 31.1 46.7





#15

Acrylonitrile

Concen: 254.900 ug/l

RT: 2.94 min Scan# 234

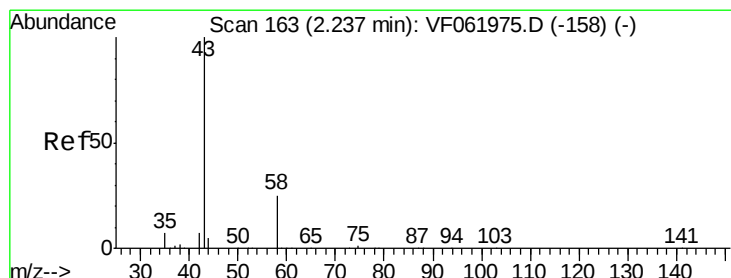
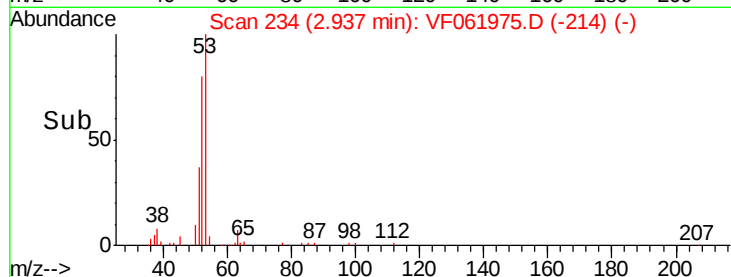
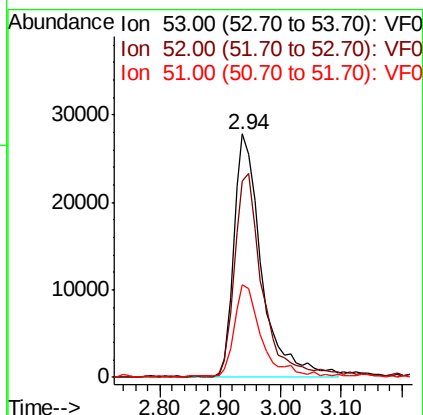
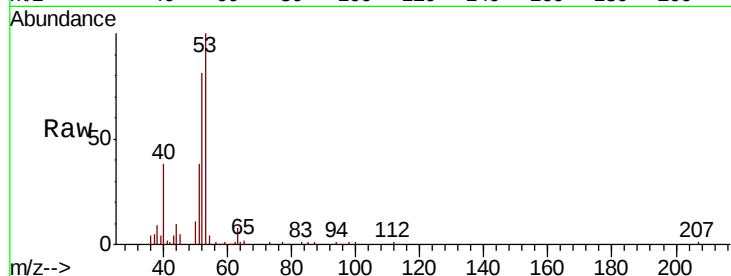
Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	88892
Ion	Ratio	Lower	Upper
53	100		
52	80.5	64.4	96.6
51	37.9	30.3	45.5



#16

Acetone

Concen: 252.777 ug/l

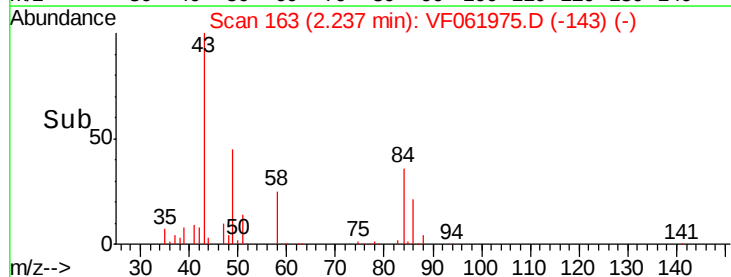
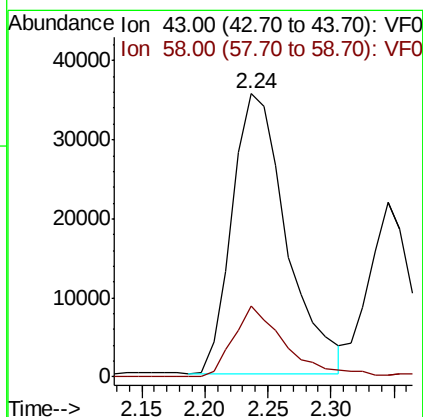
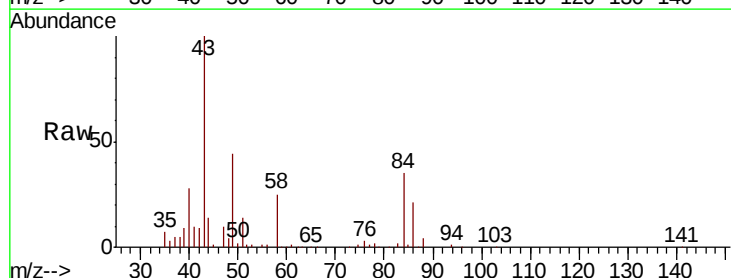
RT: 2.24 min Scan# 163

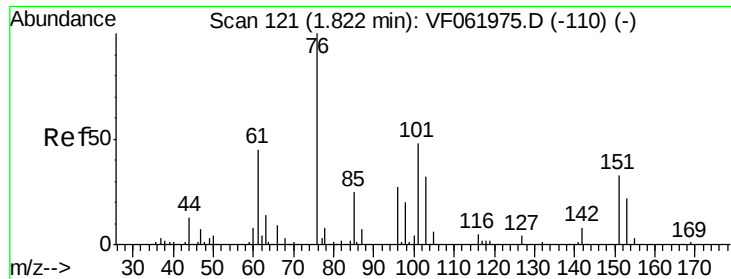
Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Tgt Ion:	43	Resp:	106379
Ion	Ratio	Lower	Upper
43	100		
58	24.9	19.9	29.9

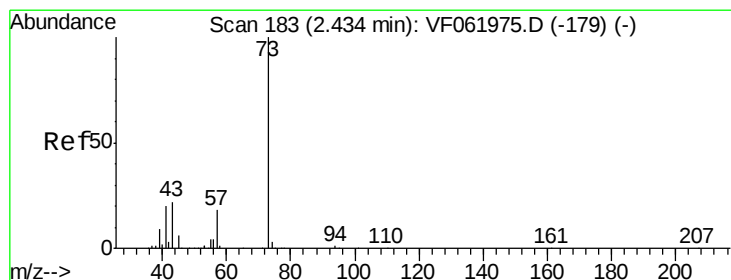
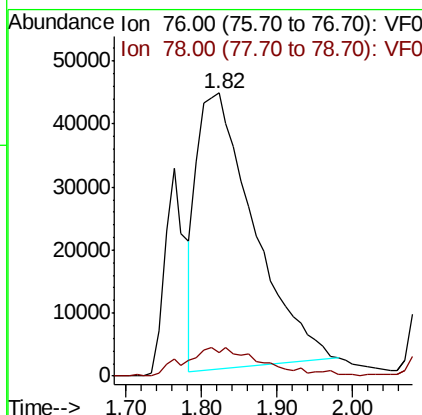
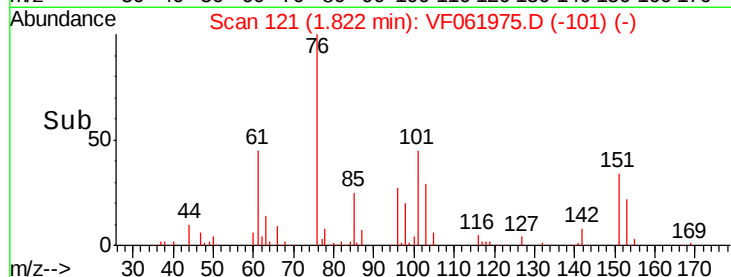
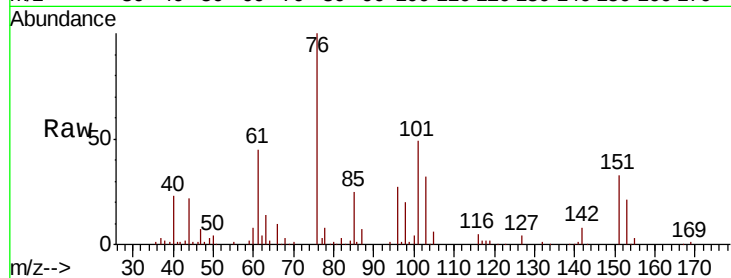




#17
Carbon Disulfide
Concen: 35.877 ug/l
RT: 1.82 min Scan# 121
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

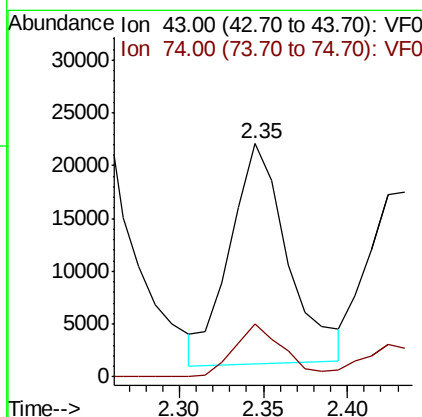
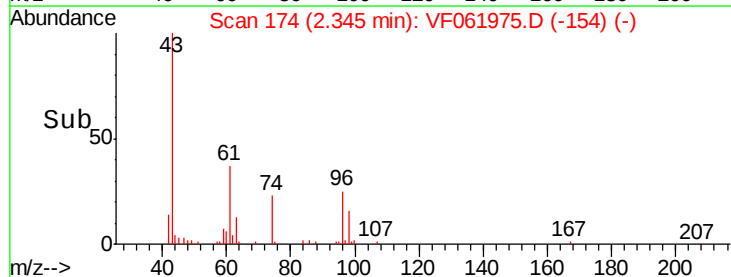
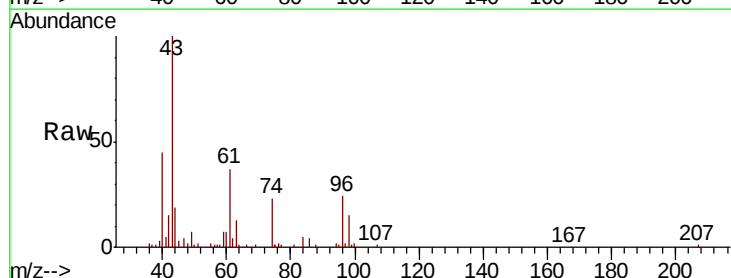
Instrument :
MSVOA_F
ClientSampleId :

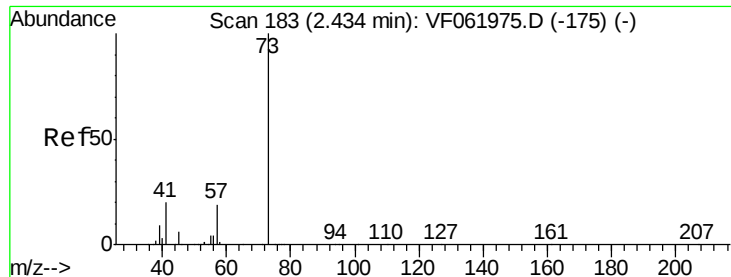
Tot Ion: 76 Resp: 228000
Ion Ratio Lower Upper
76 100
78 8.5 6.8 10.2



#18
Methyl Acetate
Concen: 56.109 ug/l
RT: 2.35 min Scan# 174
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tgt Ion: 43 Resp: 50157
Ion Ratio Lower Upper
43 100
74 22.9 18.3 27.5

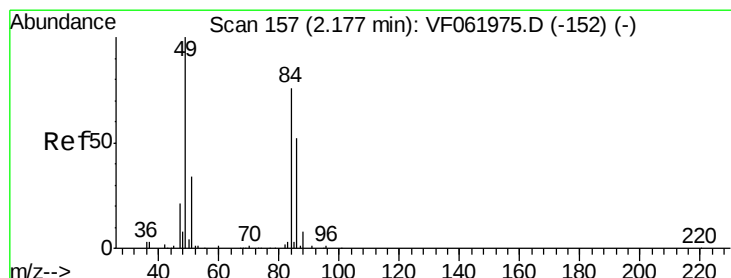
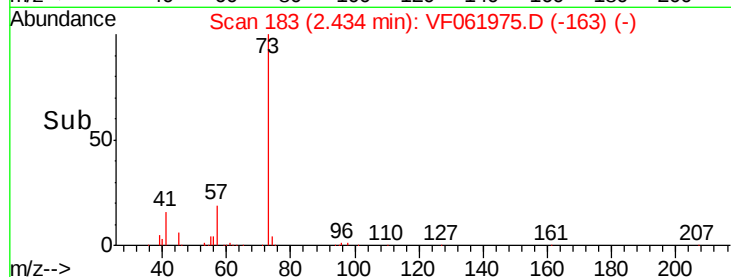
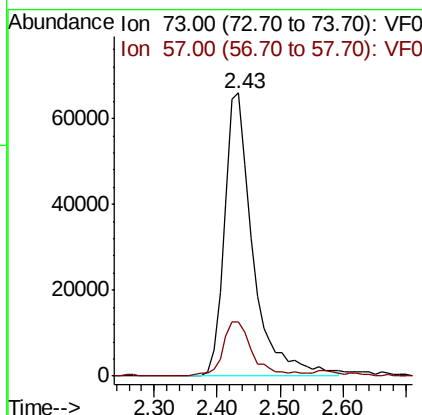
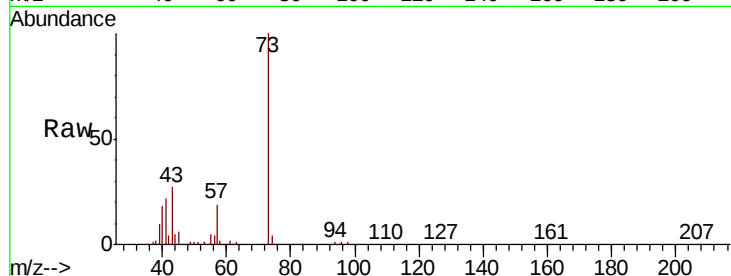




#19
Methvl tert-butvl Ether
Concen: 51.632 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

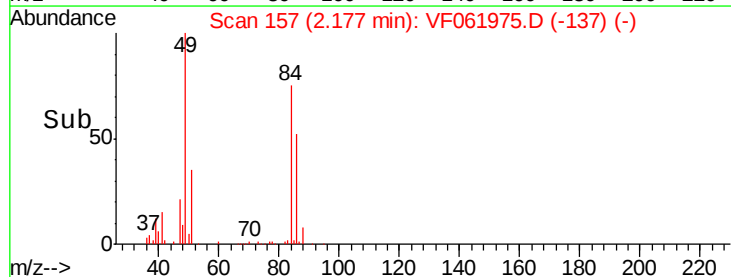
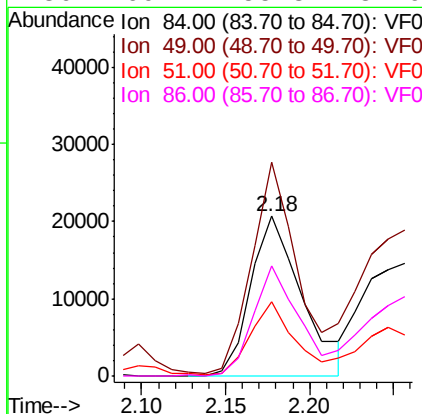
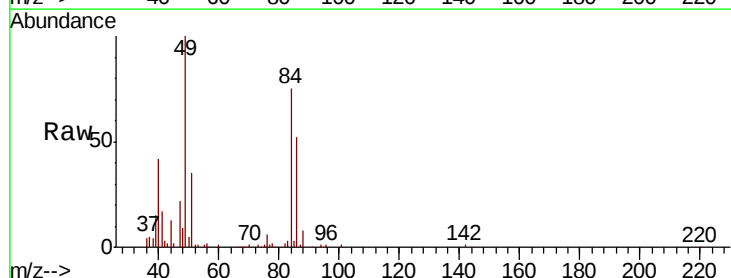
Instrument :
MSVOA_F
ClientSampleId :

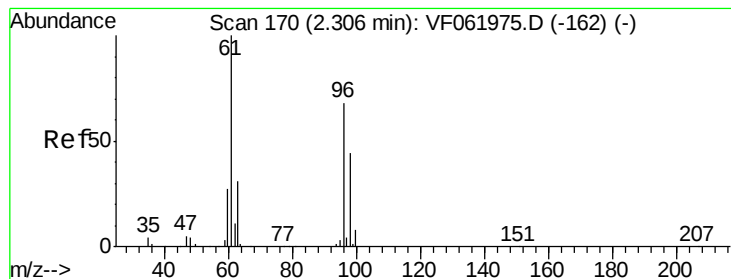
Tot Ion: 73 Resp: 205581
Ion Ratio Lower Upper
73 100
57 19.1 15.3 22.9



#20
Methylene Chloride
Concen: 20.166 ug/l
RT: 2.18 min Scan# 157
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tgt Ion: 84 Resp: 43692
Ion Ratio Lower Upper
84 100
49 133.8 107.0 160.6
51 46.5 37.2 55.8
86 69.1 55.3 82.9





#21

trans-1,2-Dichloroethene

Concen: 50.426 ug/l

RT: 2.31 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :
MSVOA_F
ClientSampleId :

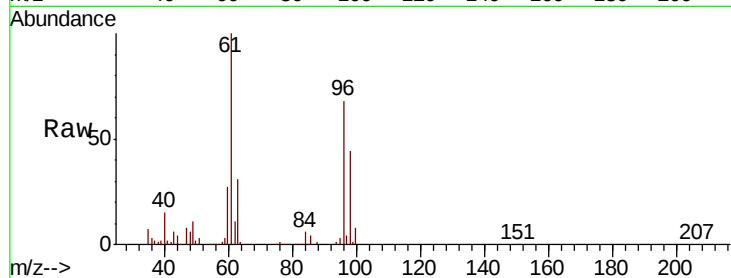
Tot Ion: 96 Resp: 115631

Ion Ratio Lower Upper

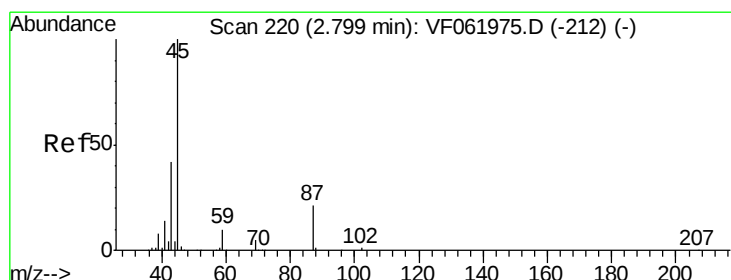
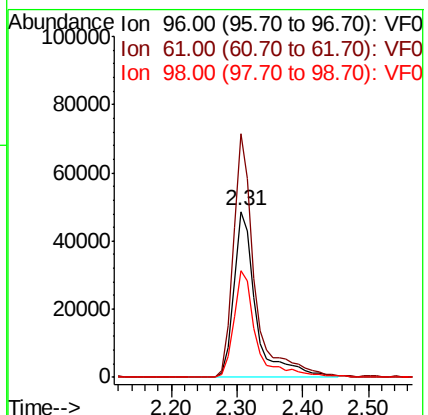
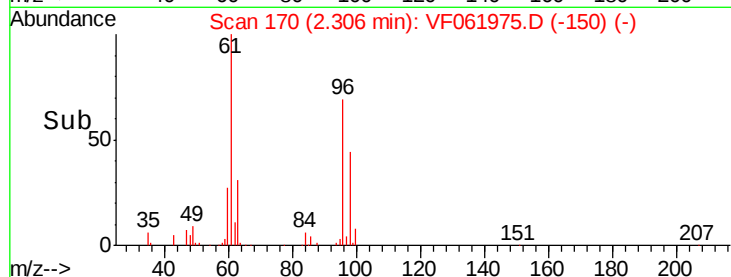
96 100

61 146.8 117.4 176.2

98 64.0 51.2 76.8



Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 52.055 ug/l

RT: 2.80 min Scan# 220

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Tgt Ion: 45 Resp: 351206

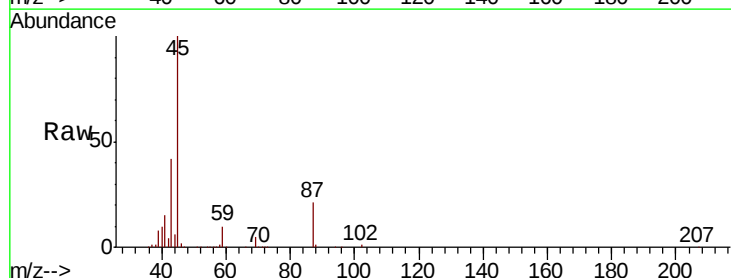
Ion Ratio Lower Upper

45 100

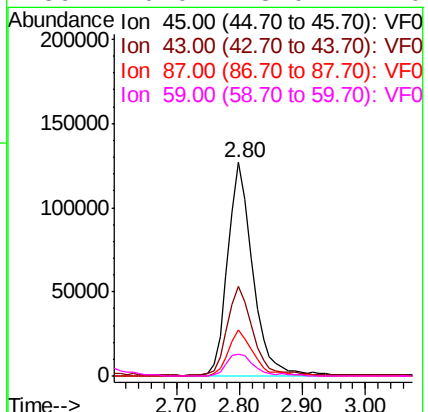
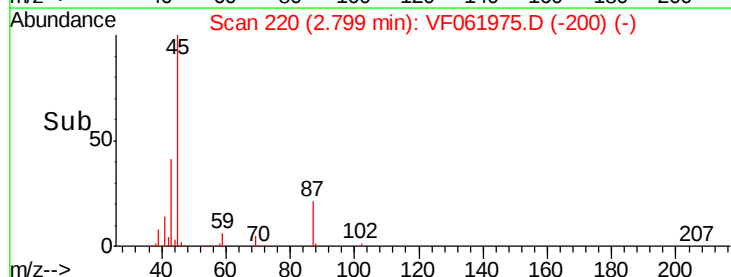
43 42.1 33.7 50.5

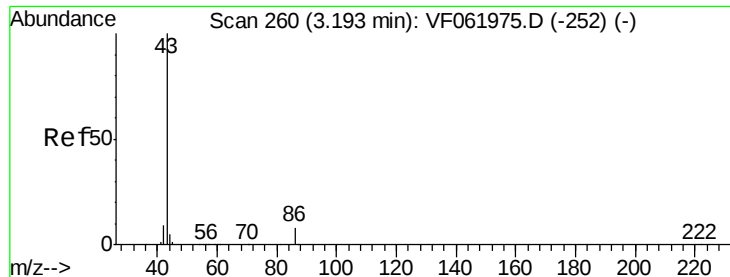
87 21.4 17.1 25.7

59 10.0 8.0 12.0



Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 260.426 ug/l

RT: 3.19 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

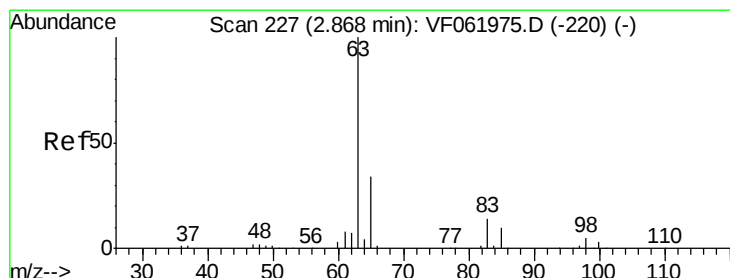
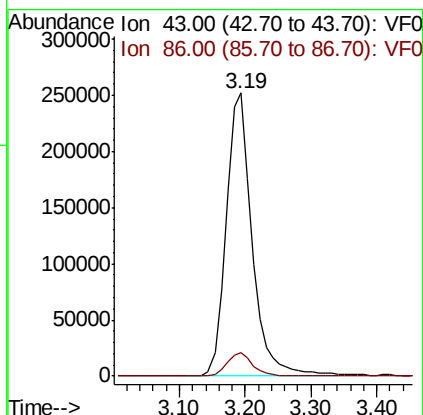
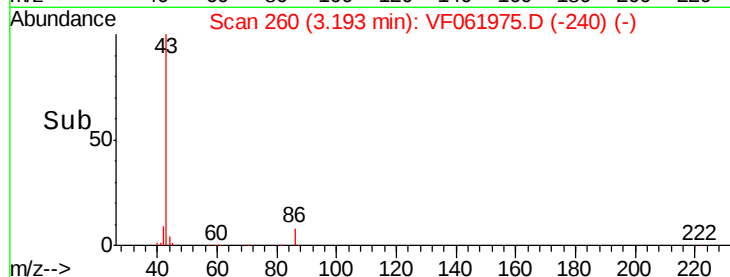
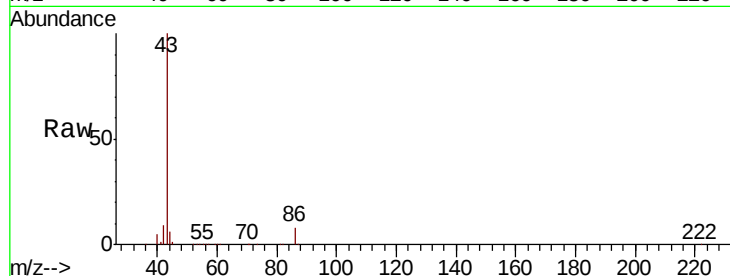
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 692646

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7



#24

1,1-Dichloroethane

Concen: 51.039 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

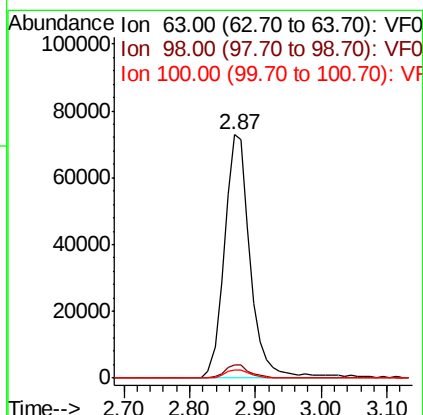
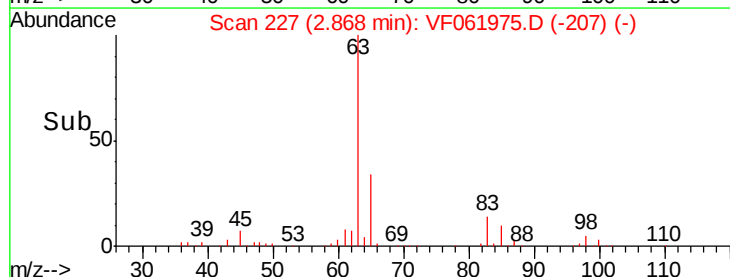
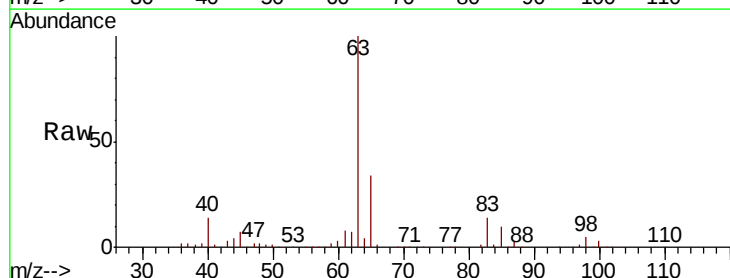
Tgt Ion: 63 Resp: 200226

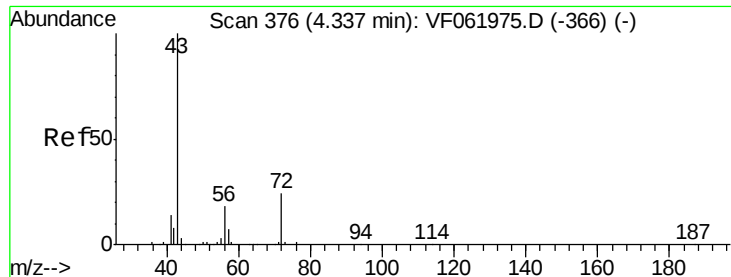
Ion Ratio Lower Upper

63 100

98 5.4 2.7 8.1

100 3.3 1.7 5.0





#25

2-Butanone

Concen: 249.281 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

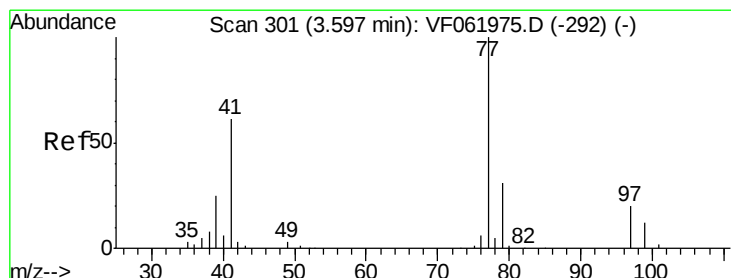
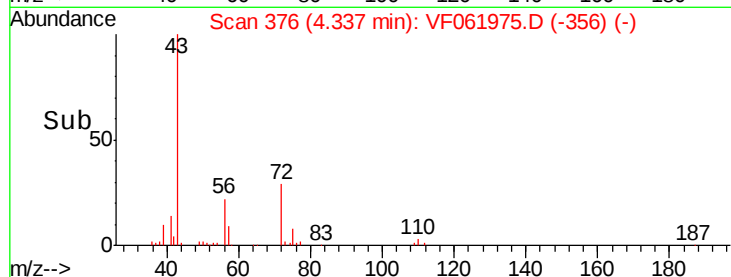
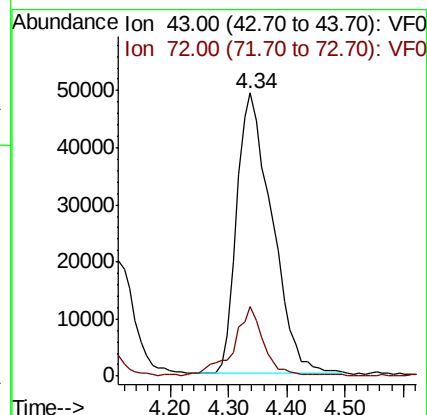
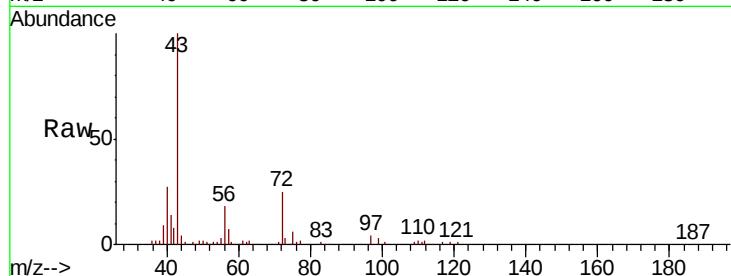
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 207766

Ion Ratio Lower Upper

43 100

72 24.7 19.8 29.6



#26

2,2-Dichloropropane

Concen: 50.540 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.00 min

Lab File: VF061975.D

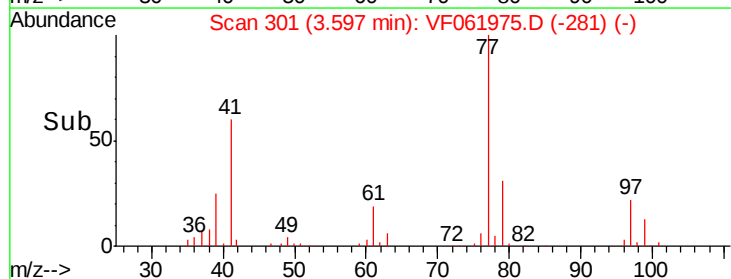
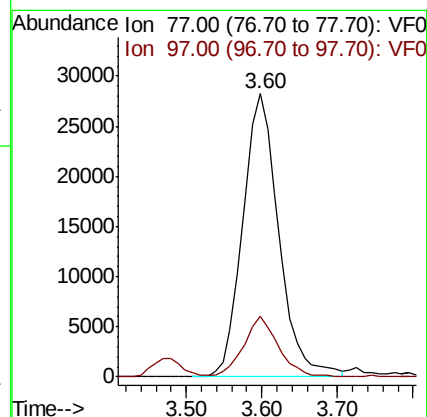
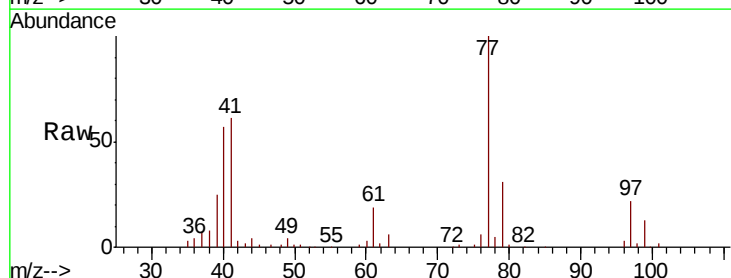
Acq: 16 Mar 2019 12:08

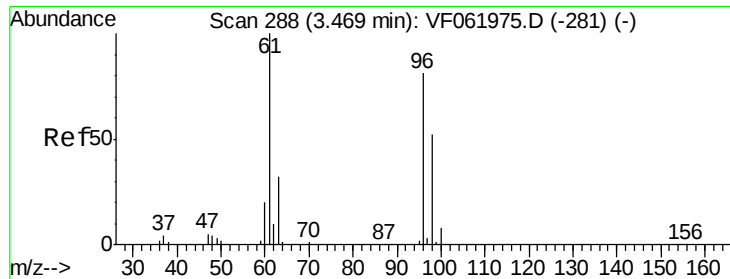
Tgt Ion: 77 Resp: 93520

Ion Ratio Lower Upper

77 100

97 21.6 10.8 32.4



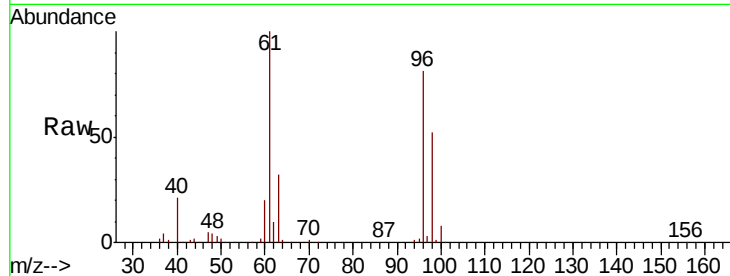


#27

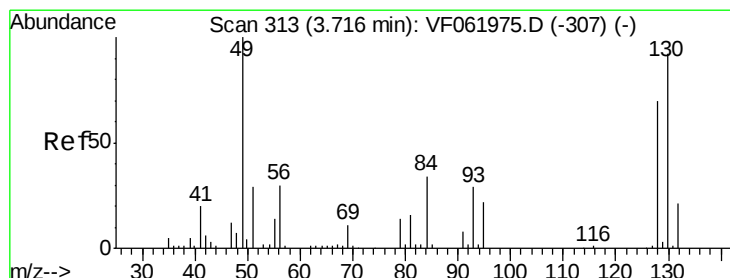
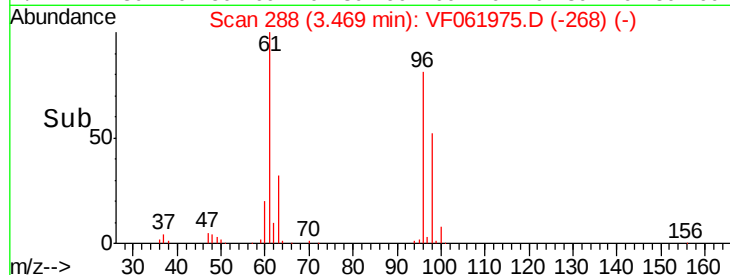
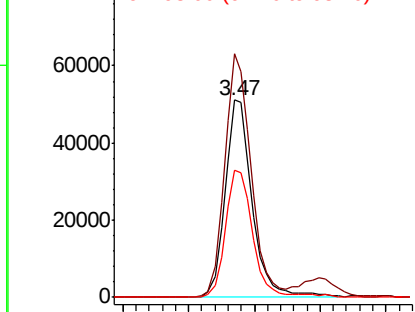
cis-1,2-Dichloroethene
 Concen: 50.988 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. 0.00 min
 Lab File: VF061975.D
 Acq: 16 Mar 2019 12:08

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 96 Resp: 147369
 Ion Ratio Lower Upper
 96 100
 61 123.3 0.0 246.6
 98 64.6 0.0 129.2



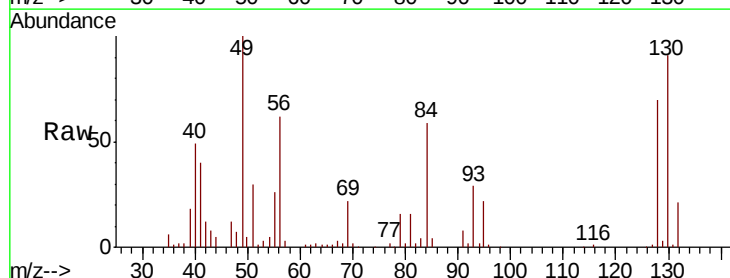
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



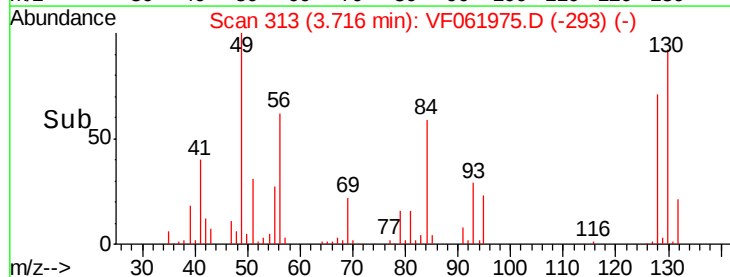
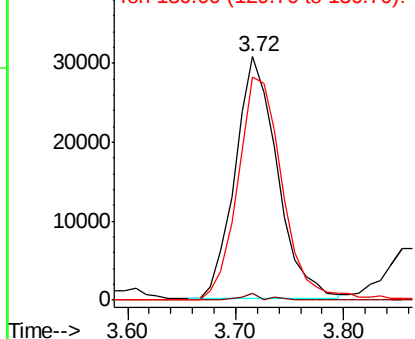
#28

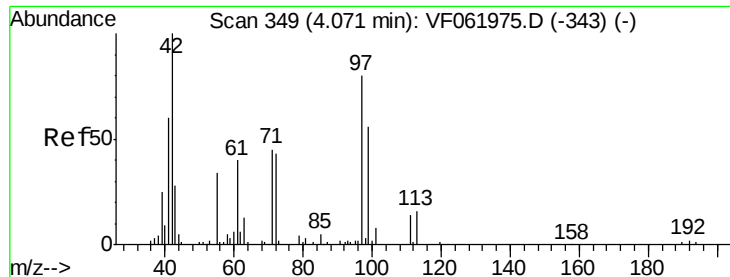
Bromochloromethane
 Concen: 51.671 ug/l
 RT: 3.72 min Scan# 313
 Delta R.T. 0.00 min
 Lab File: VF061975.D
 Acq: 16 Mar 2019 12:08

Tgt Ion: 49 Resp: 84110
 Ion Ratio Lower Upper
 49 100
 129 2.9 0.0 5.8
 130 91.4 73.1 109.7



Abundance Ion 49.00 (48.70 to 49.70): VF0
 Ion 129.00 (128.70 to 129.70): V
 Ion 130.00 (129.70 to 130.70): V

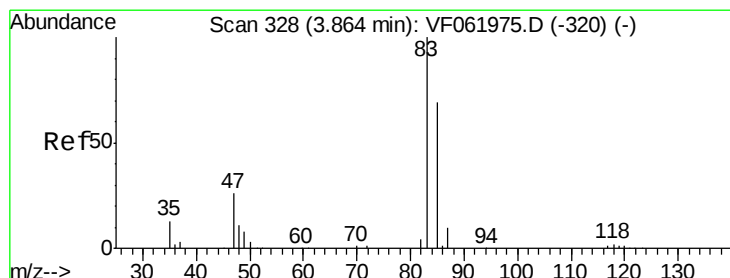
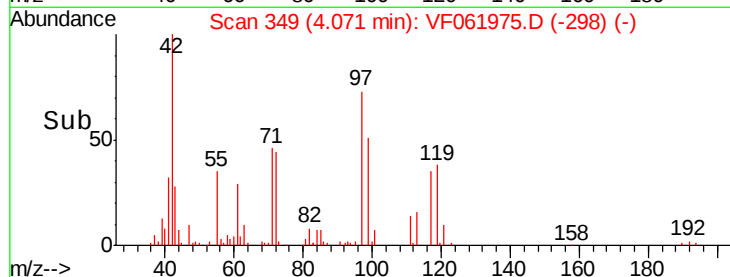
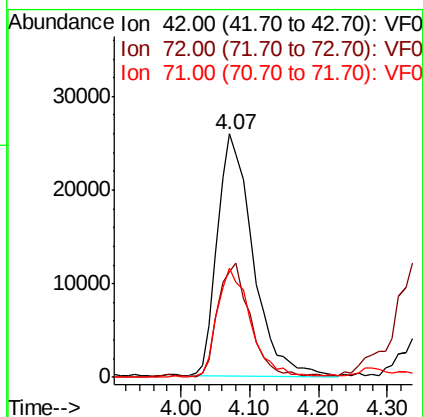
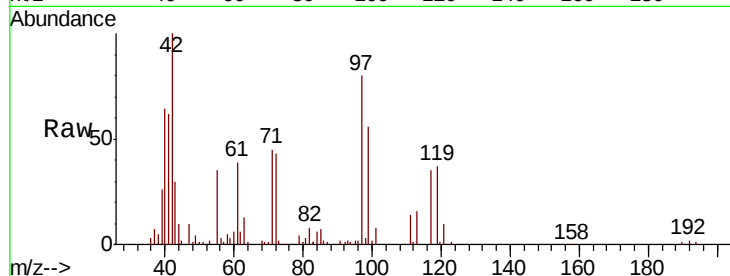




#29
Tetrahydrofuran
Concen: 257.270 ug/l
RT: 4.07 min Scan# 349
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

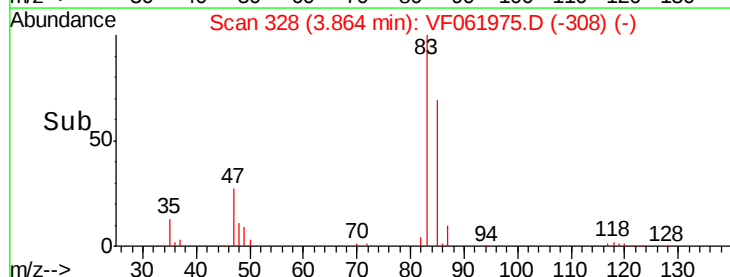
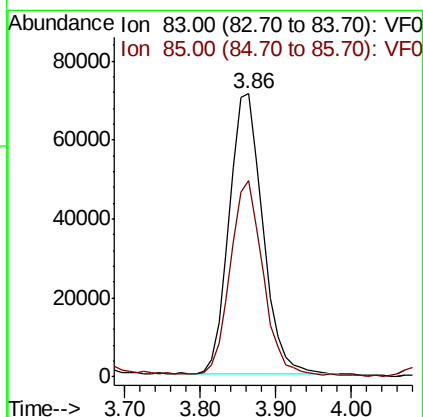
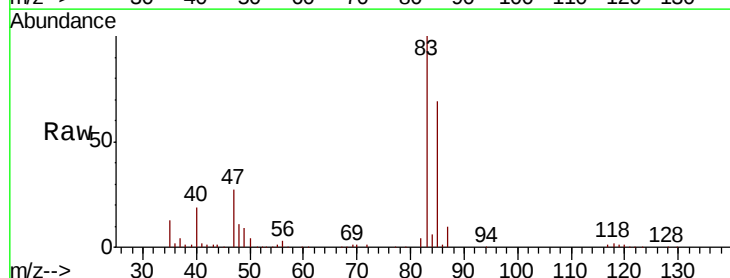
Instrument :
MSVOA_F
ClientSampleId :

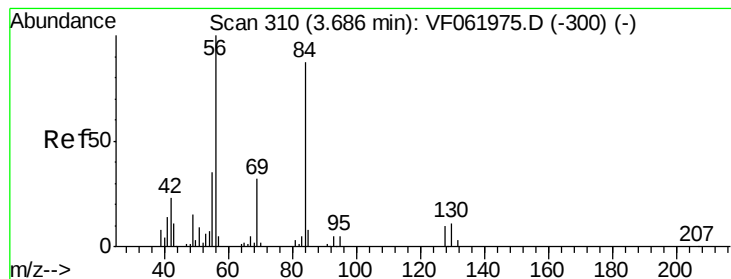
Tot Ion: 42 Resp: 93252
Ion Ratio Lower Upper
42 100
72 42.5 34.0 51.0
71 42.8 34.2 51.4



#30
Chloroform
Concen: 49.181 ug/l
RT: 3.86 min Scan# 328
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tgt Ion: 83 Resp: 218603
Ion Ratio Lower Upper
83 100
85 69.4 55.5 83.3





#31

Cvclohexane

Concen: 30.653 ug/l

RT: 3.69 min Scan# 310

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

ClientSampleId :

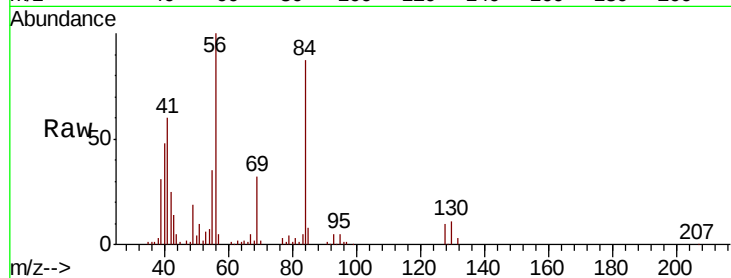
Tot Ion: 56 Resp: 117814

Ion Ratio Lower Upper

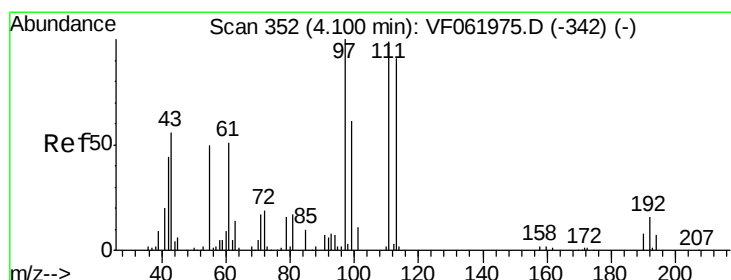
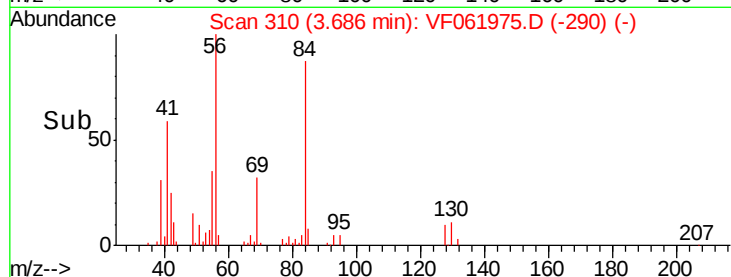
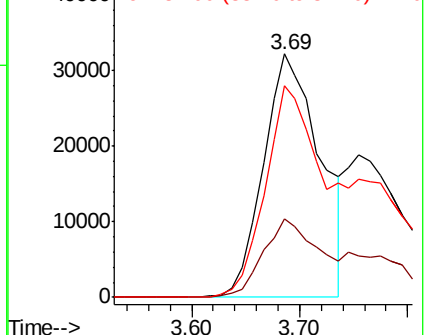
56 100

69 32.3 25.8 38.8

84 86.9 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: 50.531 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

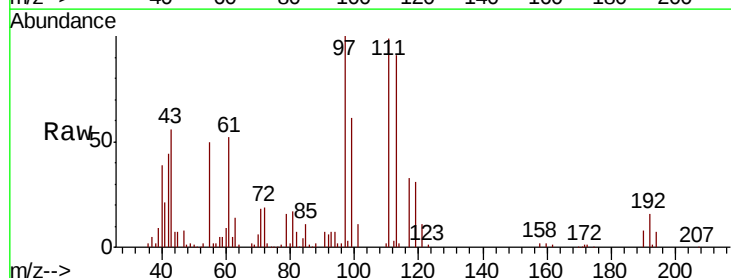
Tgt Ion: 97 Resp: 149163

Ion Ratio Lower Upper

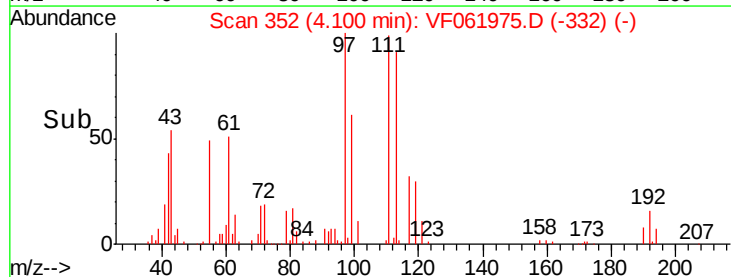
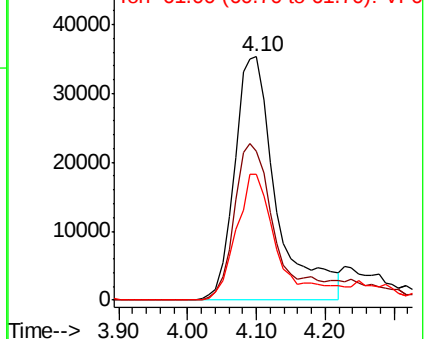
97 100

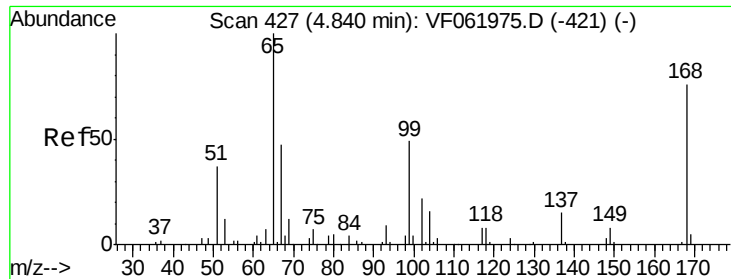
99 61.2 49.0 73.4

61 51.7 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: 48.825 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

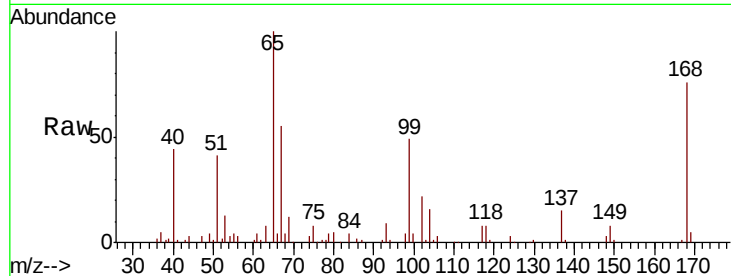
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 91503

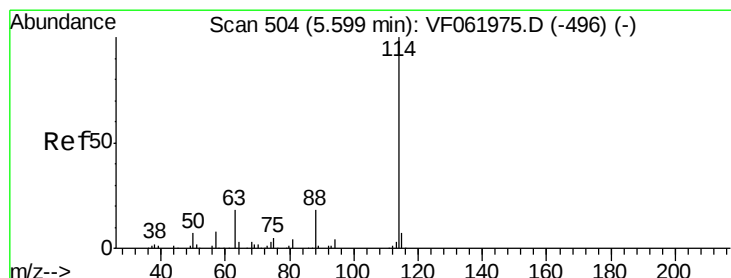
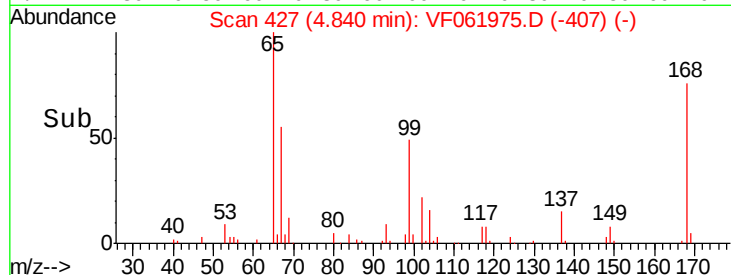
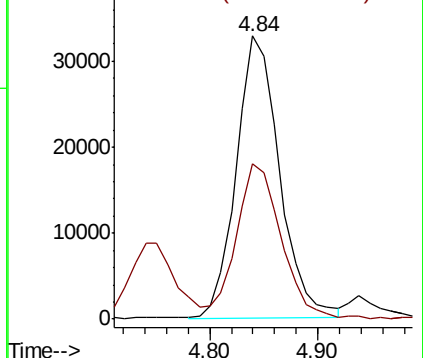
Ion Ratio Lower Upper

65 100

67 54.7 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: 5.60 min Scan# 504

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

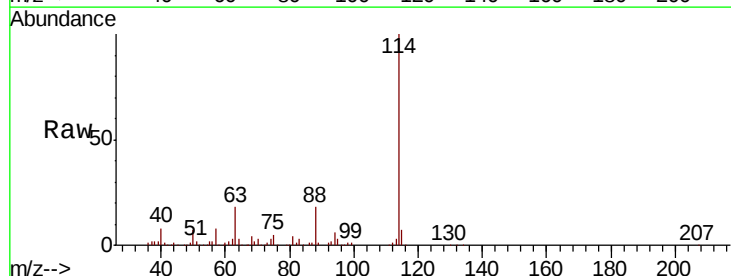
Tgt Ion: 114 Resp: 399155

Ion Ratio Lower Upper

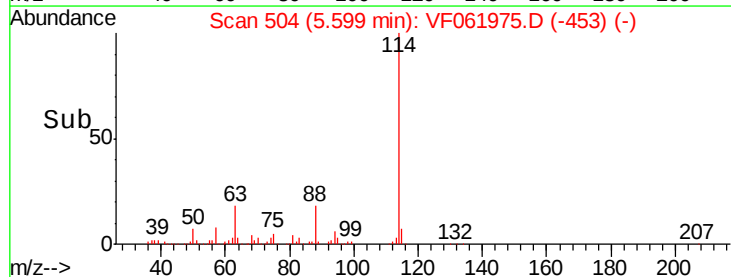
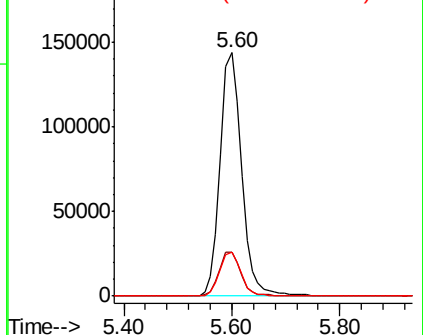
114 100

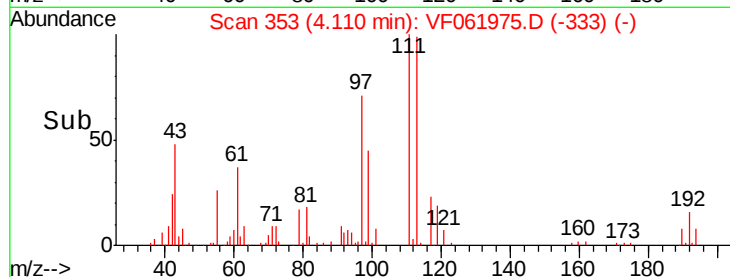
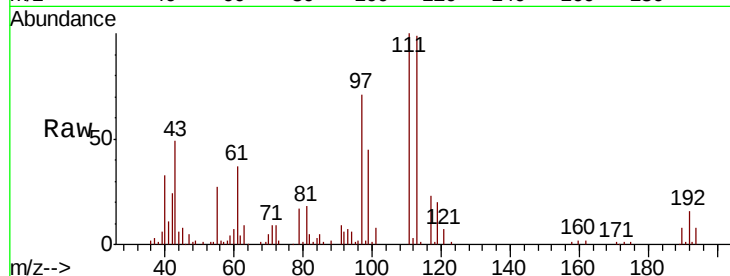
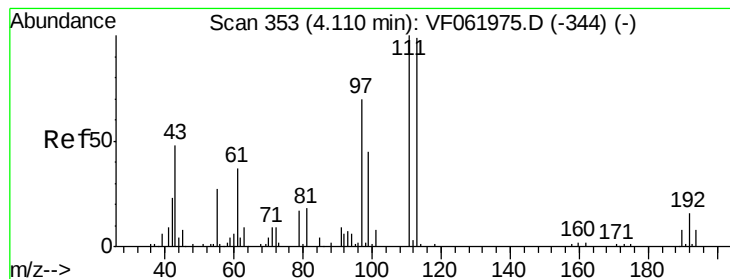
63 18.2 0.0 36.4

88 18.2 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: 47.408 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

ClientSampleId :

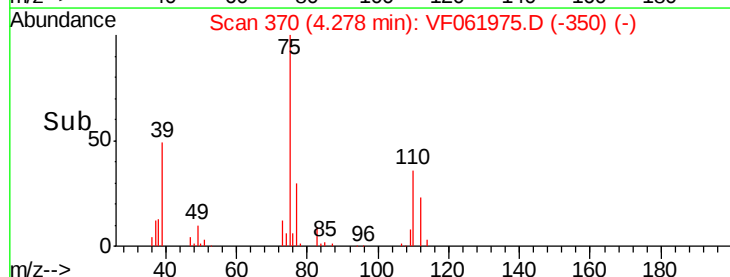
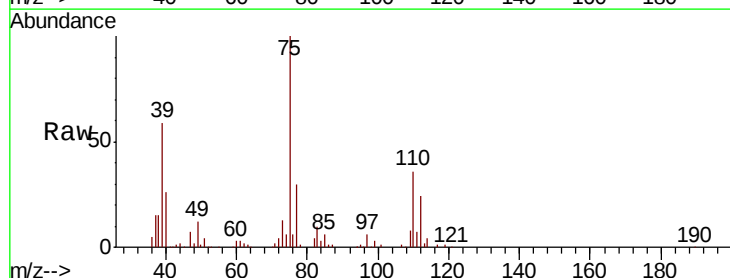
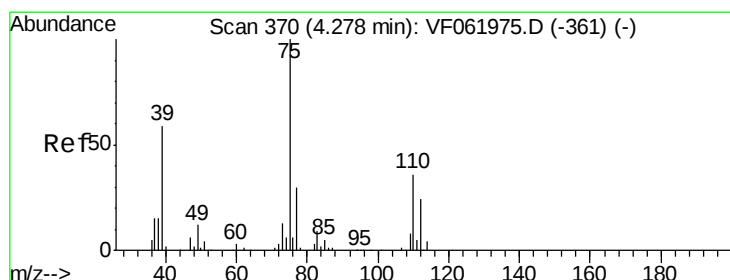
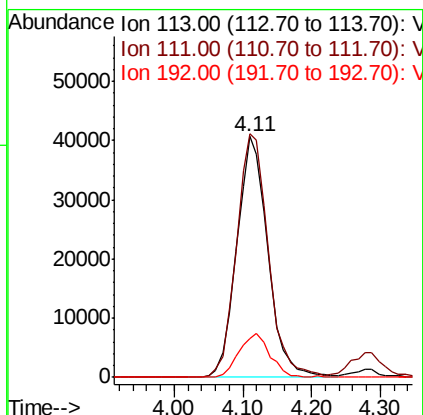
Tot Ion:113 Resp: 127072

Ion Ratio Lower Upper

113 100

111 101.0 80.8 121.2

192 16.3 13.0 19.6



#36

1,1-Dichloropropene

Concen: 51.214 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

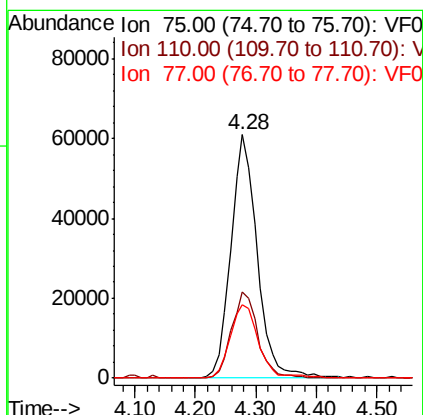
Tgt Ion: 75 Resp: 184604

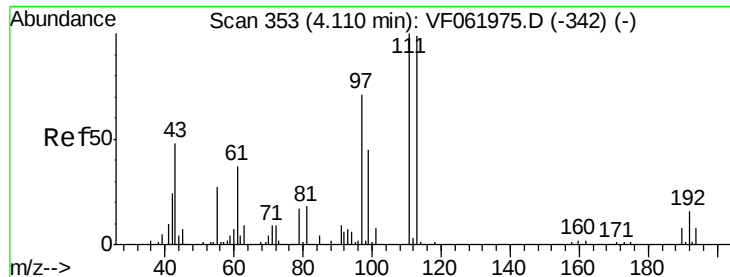
Ion Ratio Lower Upper

75 100

110 35.5 17.8 53.3

77 30.2 24.2 36.2





#37

Ethyl Acetate

Concen: 50.581 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :
MSVOA_F
ClientSampleId :

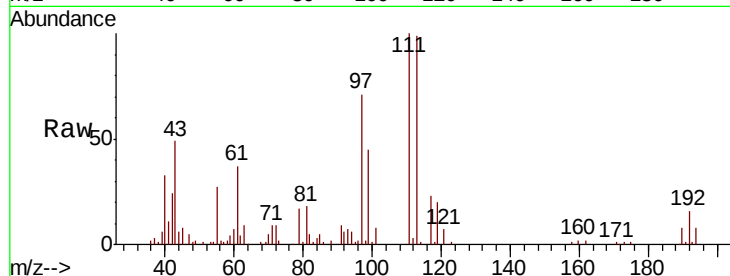
Tot Ion: 43 Resp: 81864

Ion Ratio Lower Upper

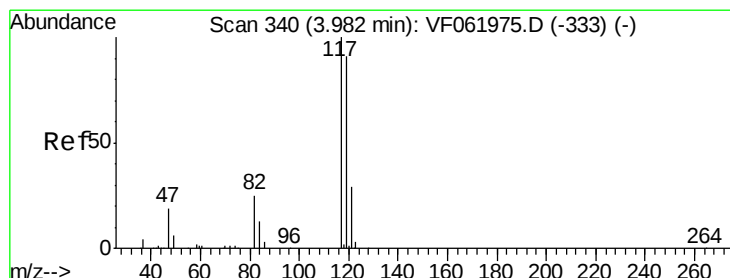
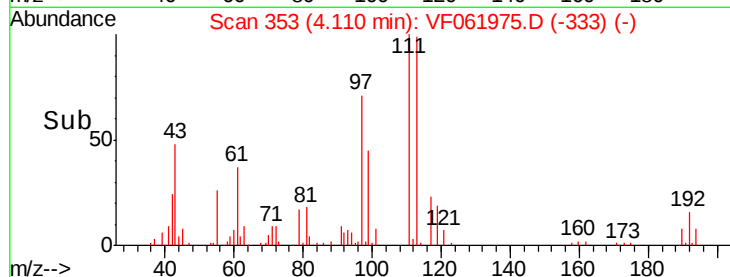
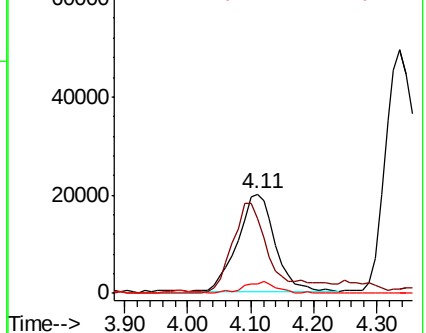
43 100

61 74.7 59.8 89.6

70 9.8 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 50.675 ug/l

RT: 3.98 min Scan# 340

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

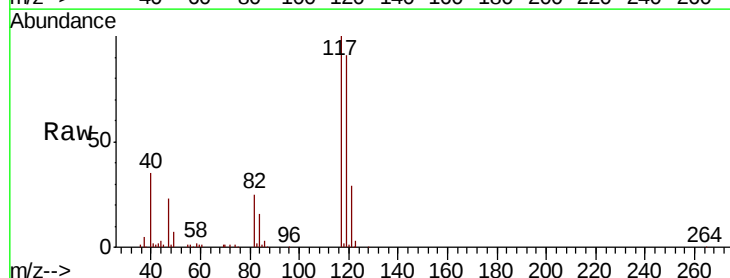
Tgt Ion: 117 Resp: 133494

Ion Ratio Lower Upper

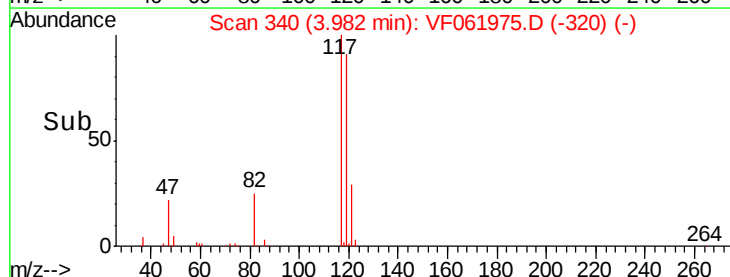
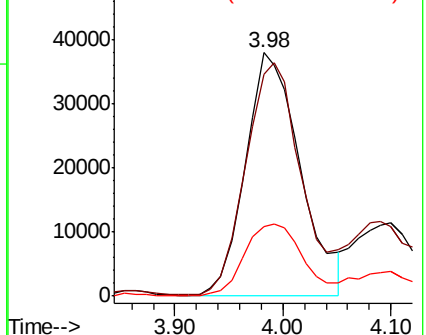
117 100

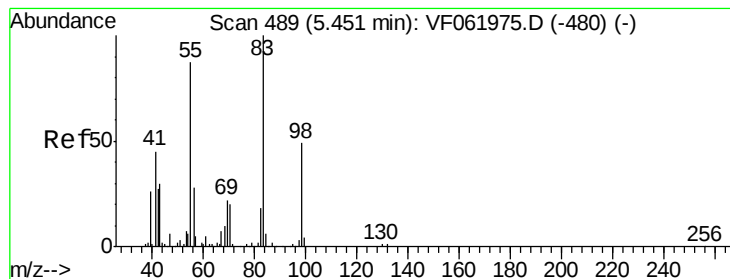
119 91.2 73.0 109.4

121 28.8 23.0 34.6



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V





#39

Methvlcvclohexane

Concen: 52.327 ug/l

RT: 5.45 min Scan# 489

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

ClientSampleId :

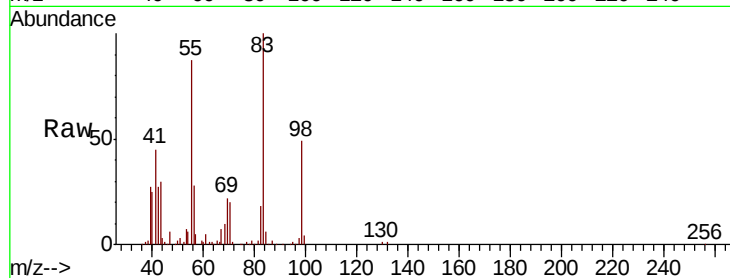
Tot Ion: 83 Resp: 221432

Ion Ratio Lower Upper

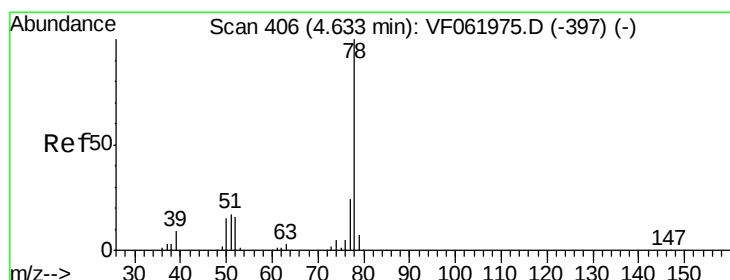
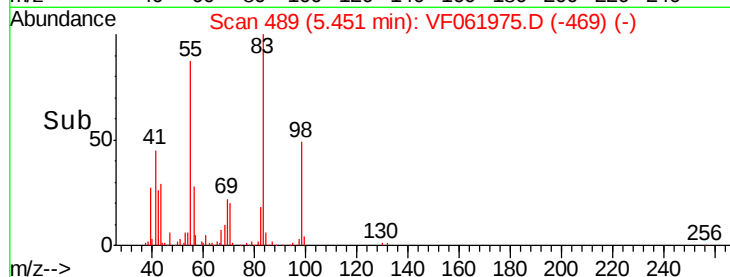
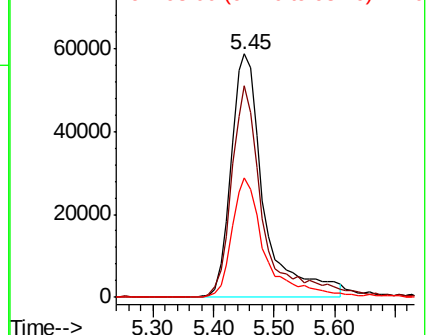
83 100

55 87.1 69.7 104.5

98 49.2 39.4 59.0



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



#40

Benzene

Concen: 49.454 ug/l

RT: 4.63 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF061975.D

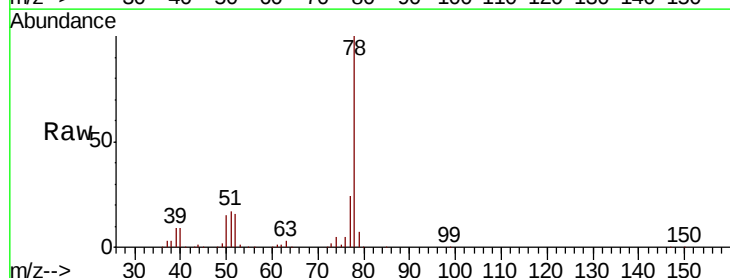
Acq: 16 Mar 2019 12:08

Tgt Ion: 78 Resp: 472343

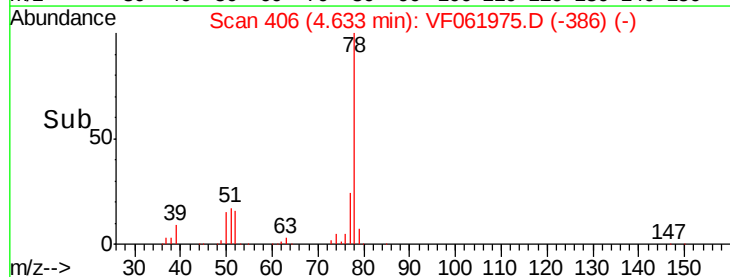
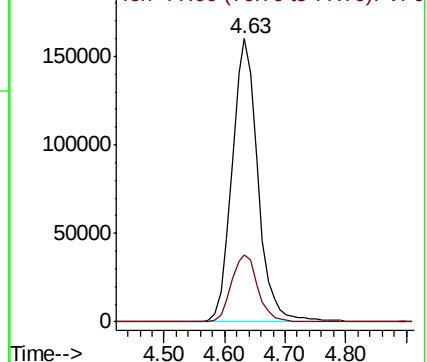
Ion Ratio Lower Upper

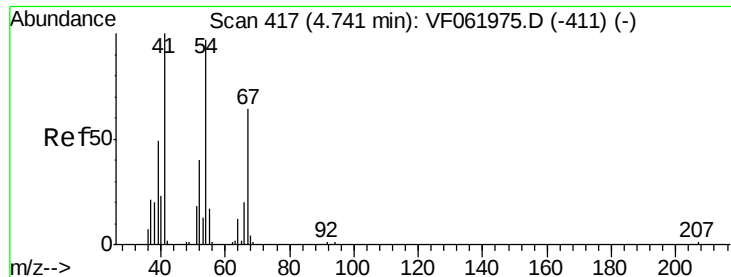
78 100

77 23.7 19.0 28.4



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0

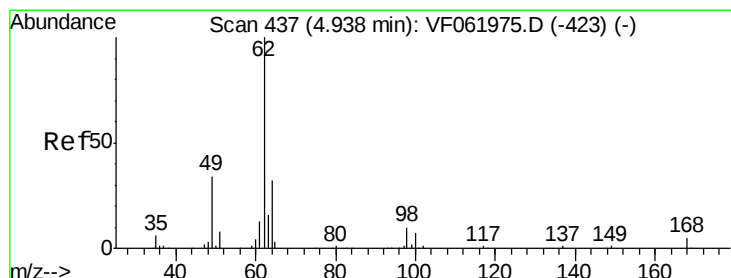
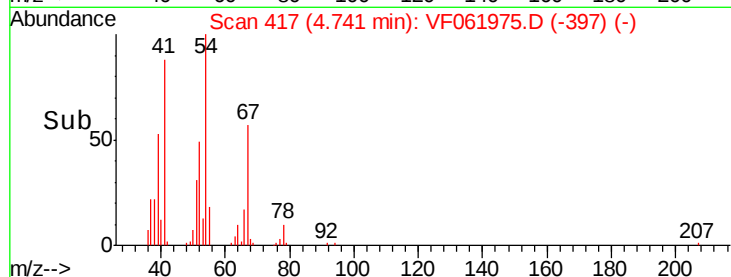
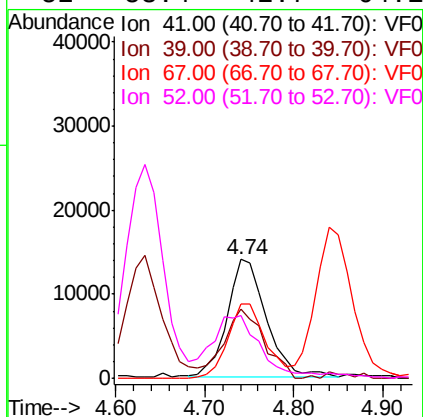
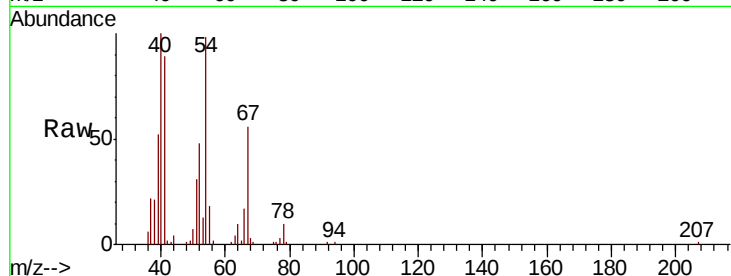




#41
Methacrylonitrile
Concen: 49.496 ug/l
RT: 4.74 min Scan# 417
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

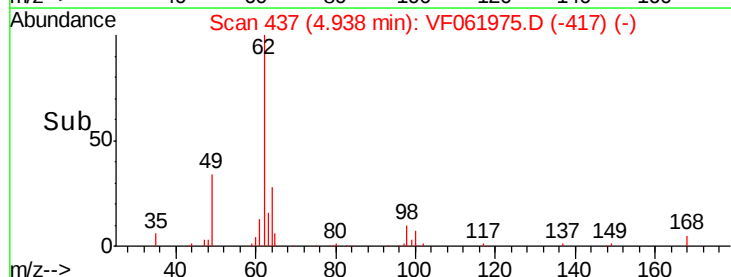
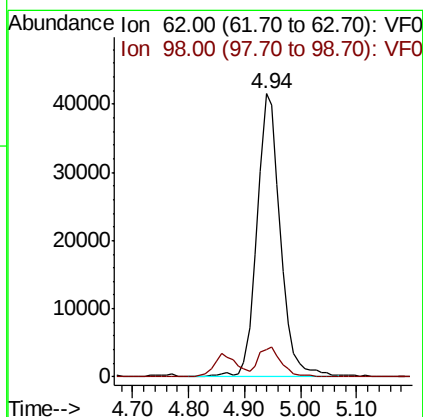
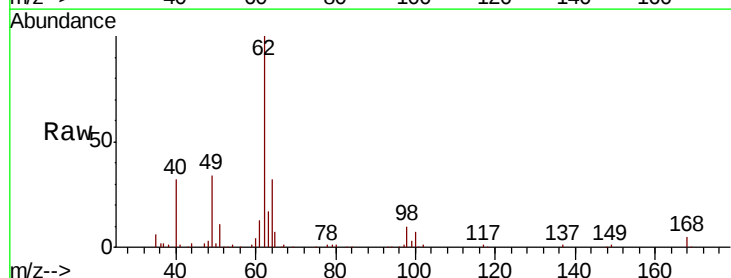
Instrument :
MSVOA_F
ClientSampled :

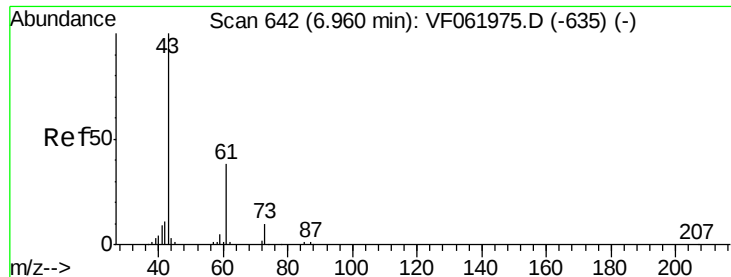
Tot Ion:	41	Resp:	42800
Ion	Ratio	Lower	Upper
41	100		
39	57.8	46.2	69.4
67	62.3	49.8	74.8
52	53.4	42.7	64.1



#42
1,2-Dichloroethane
Concen: 50.462 ug/l
RT: 4.94 min Scan# 437
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tgt Ion:	62	Resp:	119981
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.8



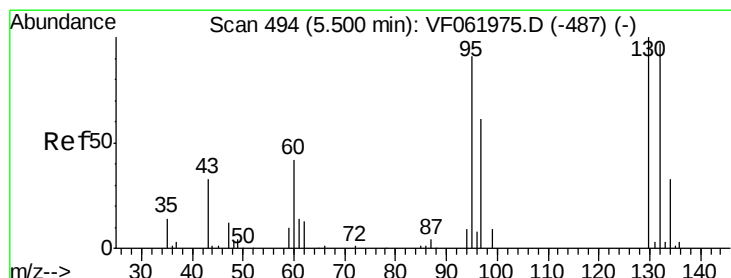
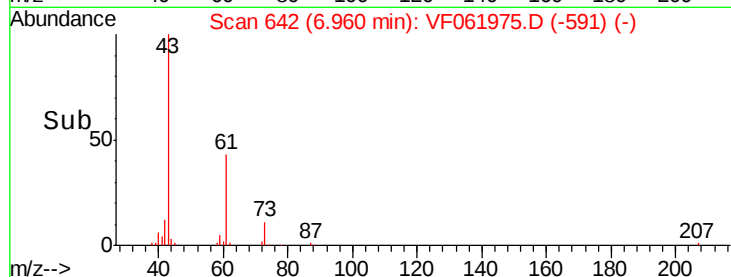
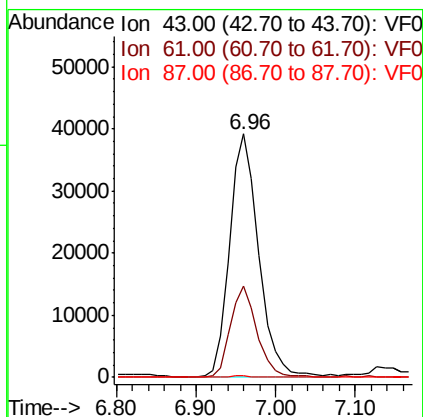
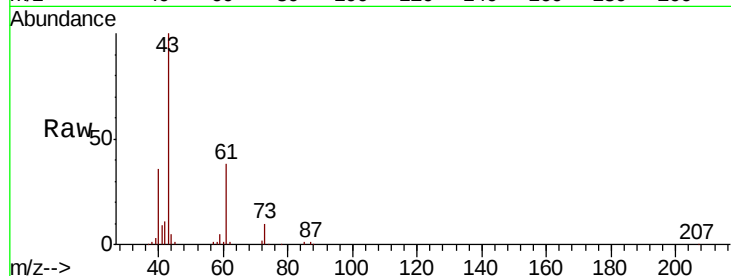


#43

Isopropyl Acetate
 Concen: 51.846 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. 0.00 min
 Lab File: VF061975.D
 Acq: 16 Mar 2019 12:08

Instrument :
 MSVOA_F
 ClientSampled :

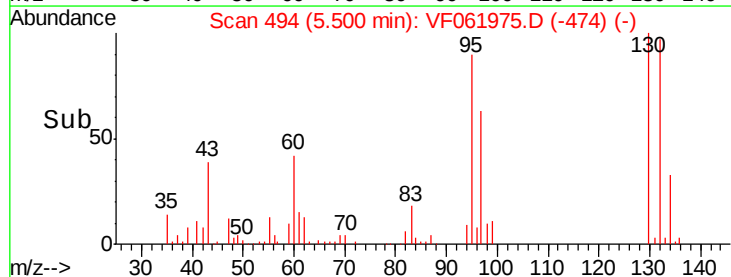
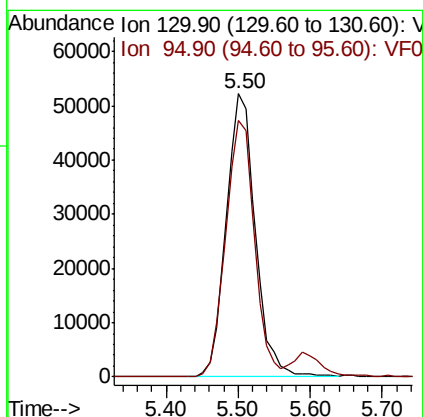
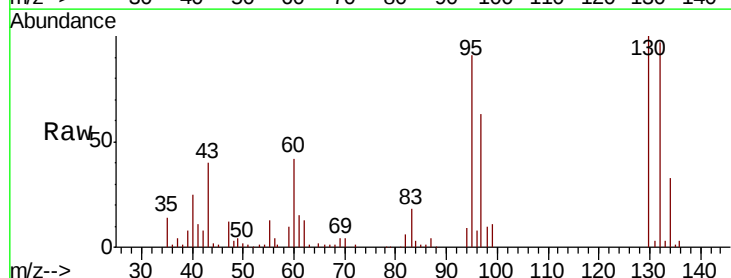
Tot Ion: 43 Resp: 99282
 Ion Ratio Lower Upper
 43 100
 61 37.6 30.1 45.1
 87 0.5 0.4 0.6

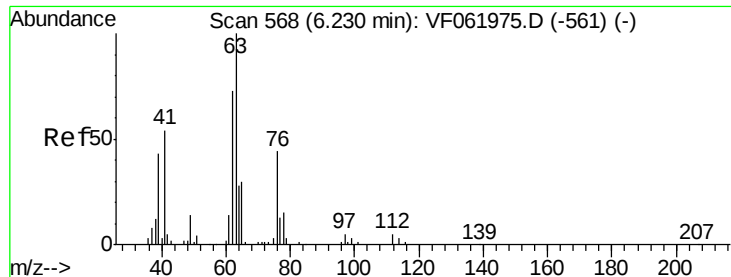


#44

Trichloroethene
 Concen: 50.156 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VF061975.D
 Acq: 16 Mar 2019 12:08

Tgt Ion: 130 Resp: 146751
 Ion Ratio Lower Upper
 130 100
 95 90.7 0.0 181.4





#45

1,2-Dichloropropane

Concen: 52.190 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

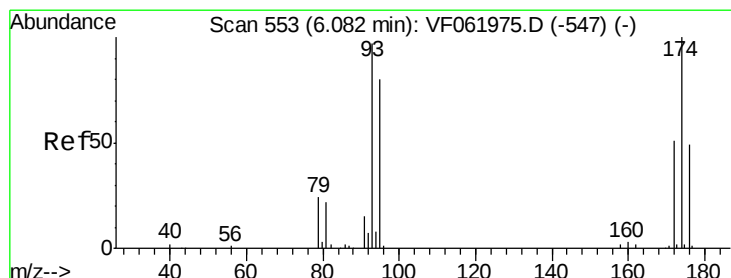
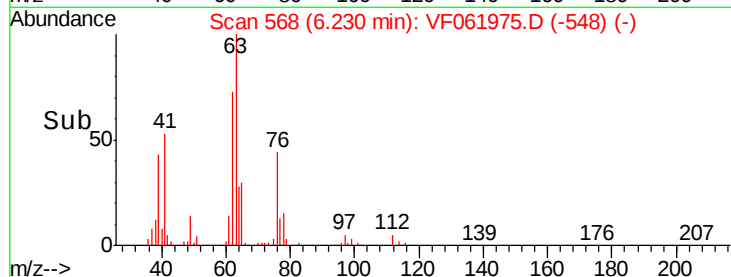
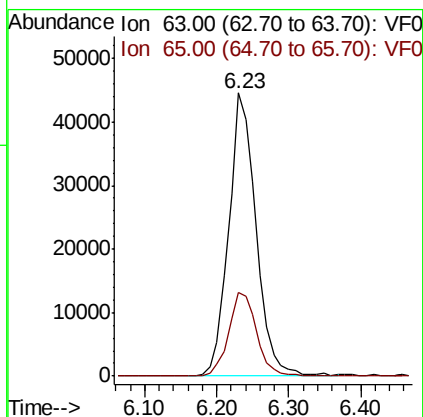
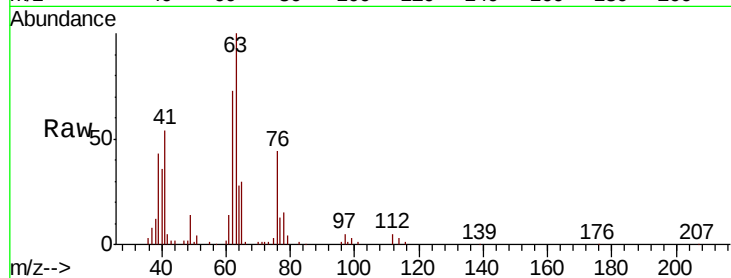
ClientSampleId :

Tot Ion: 63 Resp: 117968

Ion Ratio Lower Upper

63 100

65 29.6 23.7 35.5



#46

Dibromomethane

Concen: 53.479 ug/l

RT: 6.08 min Scan# 553

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

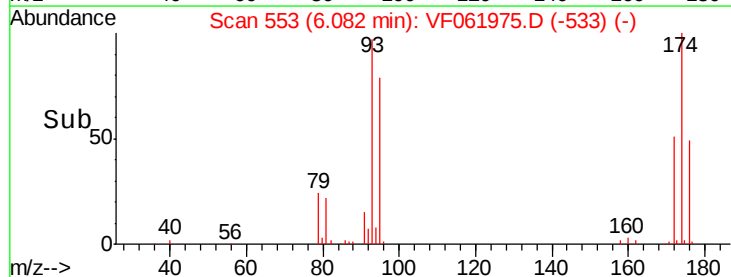
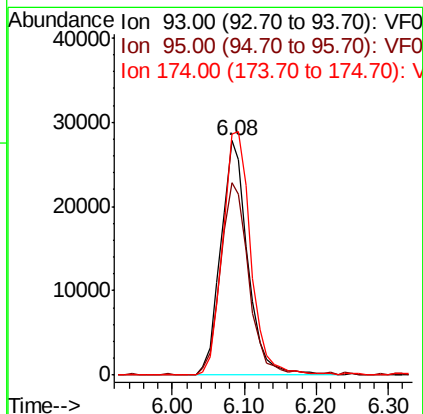
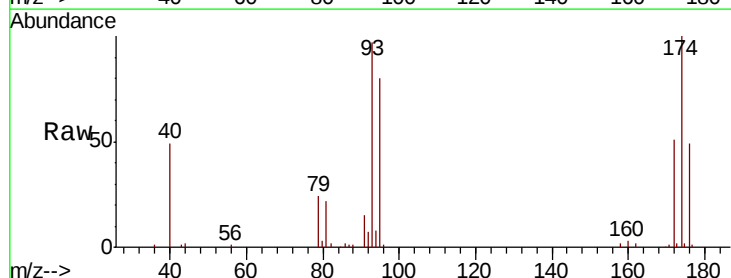
Tgt Ion: 93 Resp: 71910

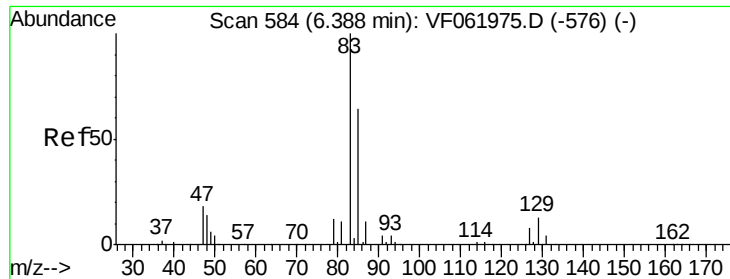
Ion Ratio Lower Upper

93 100

95 82.1 65.7 98.5

174 102.8 82.2 123.4





#47

Bromodichloromethane

Concen: 51.036 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

ClientSampleId :

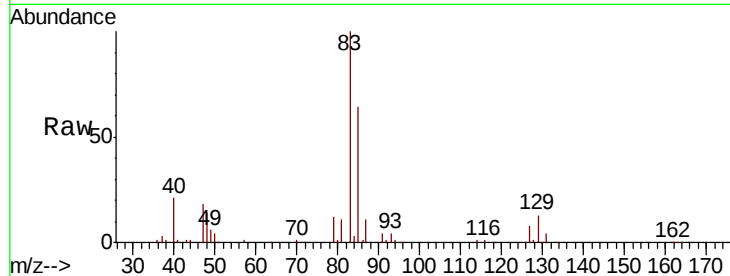
Tot Ion: 83 Resp: 161789

Ion Ratio Lower Upper

83 100

85 64.3 51.4 77.2

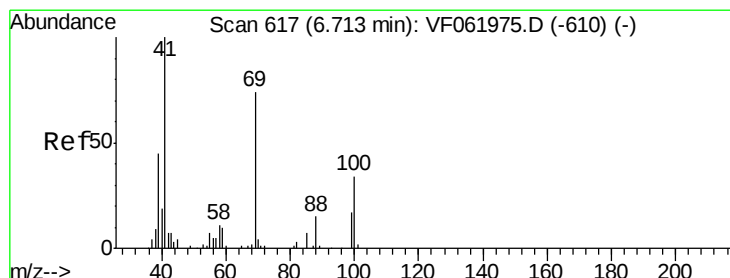
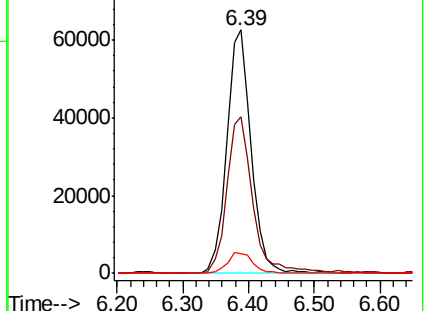
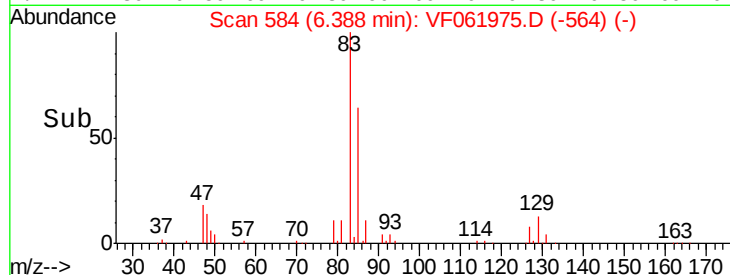
127 8.1 6.5 9.7



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: 50.090 ug/l

RT: 6.71 min Scan# 617

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

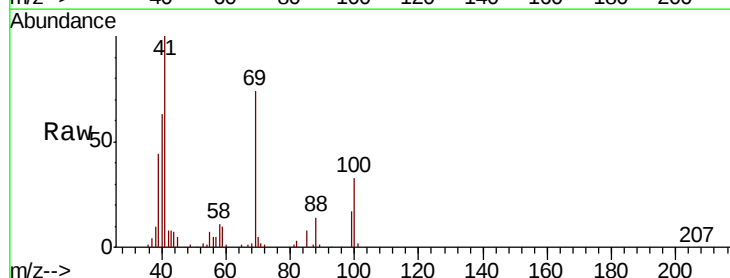
Tgt Ion: 41 Resp: 61992

Ion Ratio Lower Upper

41 100

69 73.8 59.0 88.6

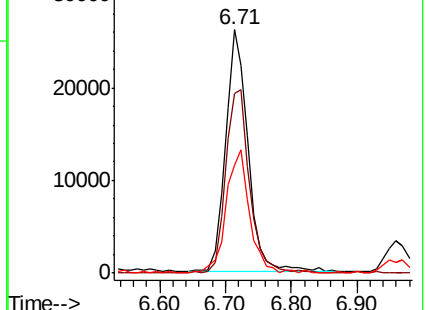
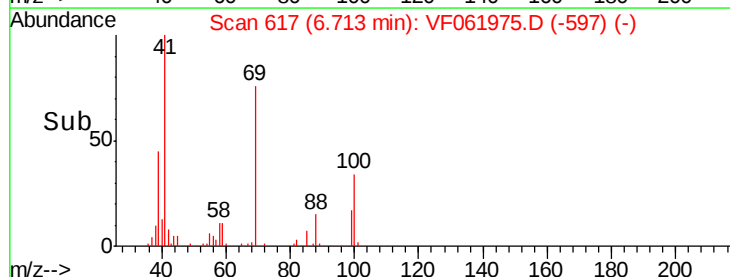
39 44.5 35.6 53.4

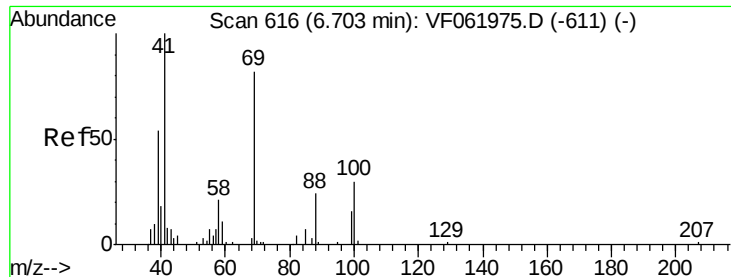


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

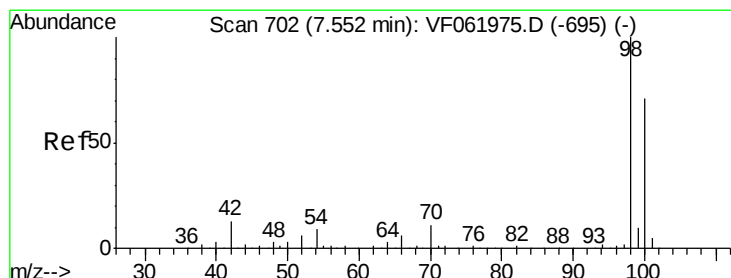
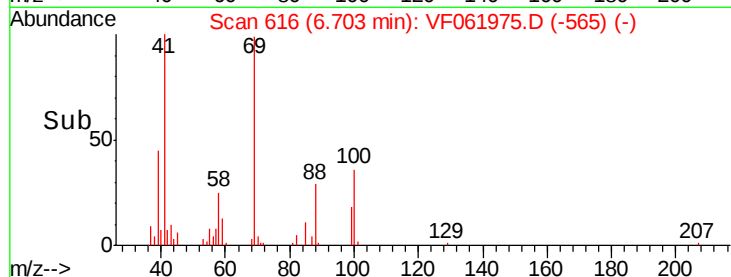
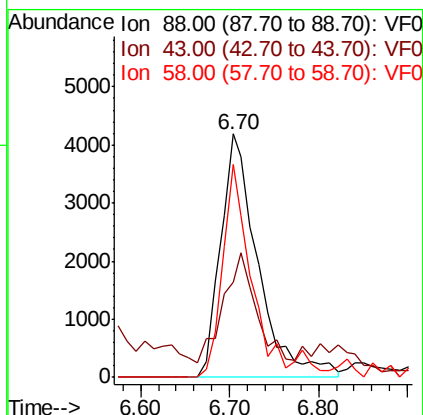
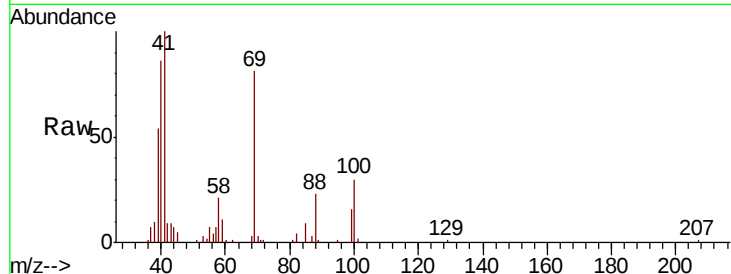




#49
1,4-Dioxane
Concen: 1112.958 ug/l
RT: 6.70 min Scan# 616
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

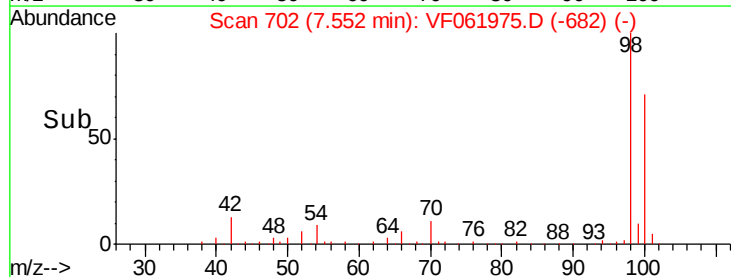
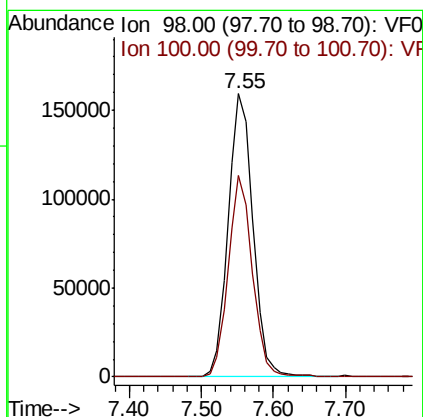
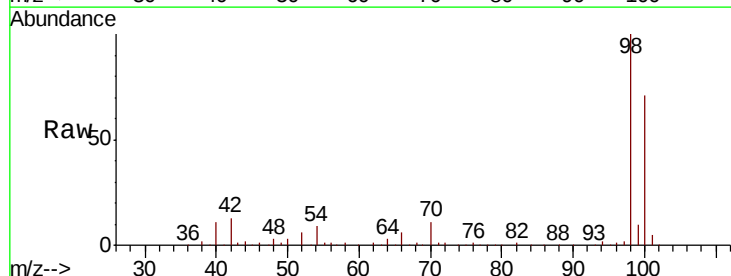
Instrument :
MSVOA_F
ClientSampled :

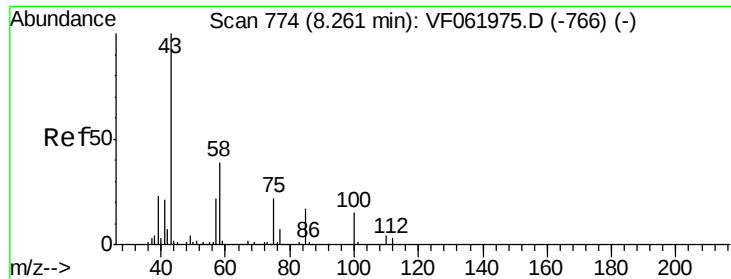
Tot Ion: 88 Resp: 12252
Ion Ratio Lower Upper
88 100
43 39.0 31.2 46.8
58 87.4 69.9 104.9



#50
Toluene-d8
Concen: 48.814 ug/l
RT: 7.55 min Scan# 702
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tgt Ion: 98 Resp: 382486
Ion Ratio Lower Upper
98 100
100 71.0 56.8 85.2





#51

4-Methyl-2-Pentanone

Concen: 260.935 ug/l

RT: 8.26 min Scan# 774

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

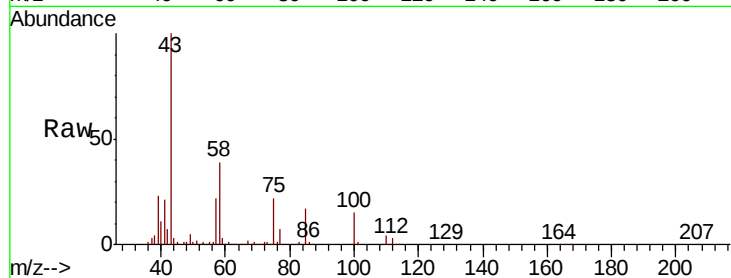
ClientSampleId :

Tot Ion: 43 Resp: 354823

Ion Ratio Lower Upper

43 100

58 38.9 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

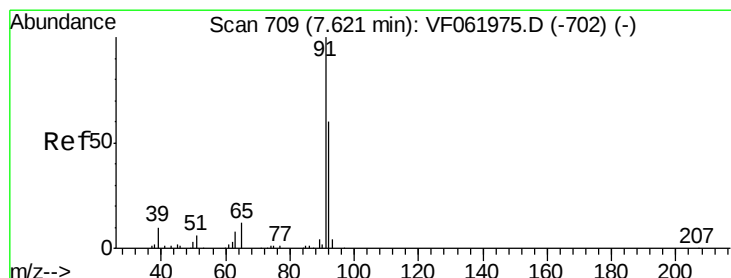
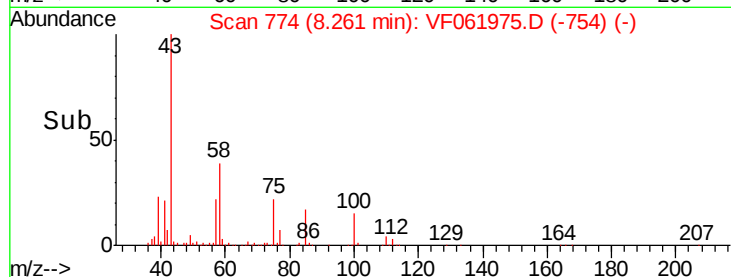
150000

100000

50000

0

Time--> 8.10 8.20 8.30 8.40



#52

Toluene

Concen: 49.265 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.00 min

Lab File: VF061975.D

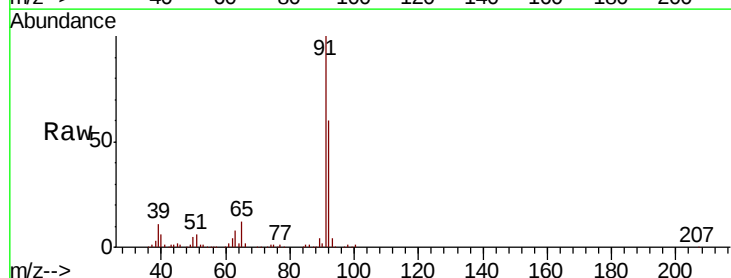
Acq: 16 Mar 2019 12:08

Tgt Ion: 92 Resp: 287504

Ion Ratio Lower Upper

92 100

91 167.5 134.0 201.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.62

200000

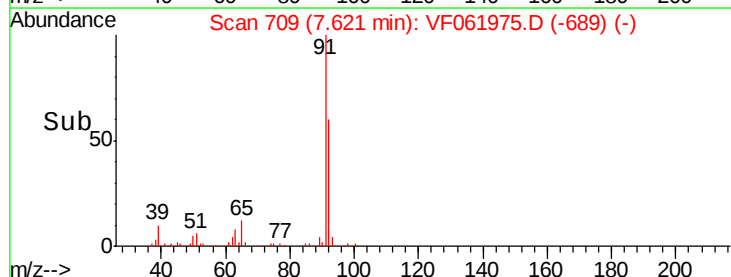
150000

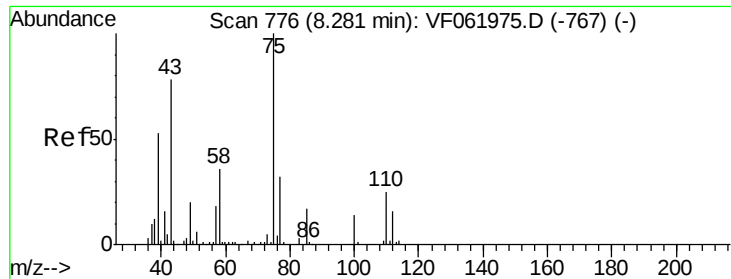
100000

50000

0

Time--> 7.50 7.60 7.70 7.80

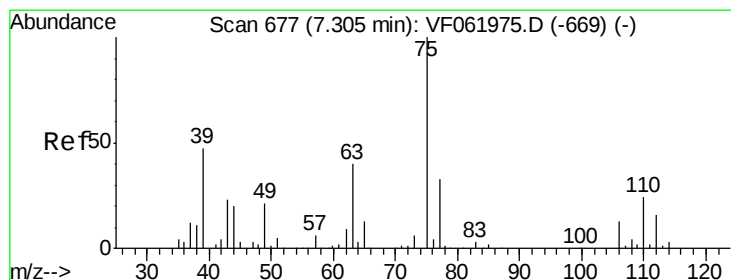
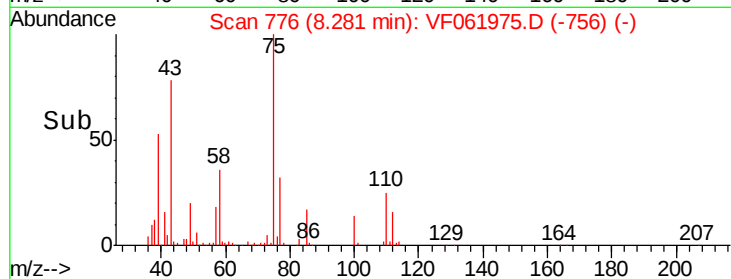
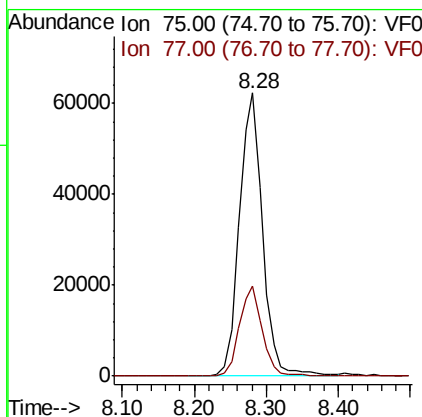
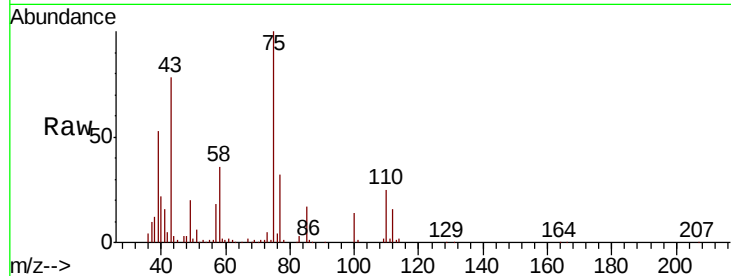




#53
t-1,3-Dichloropropene
Concen: 52.281 ug/l
RT: 8.28 min Scan# 776
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

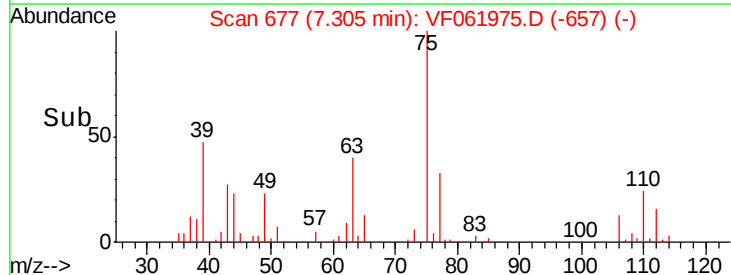
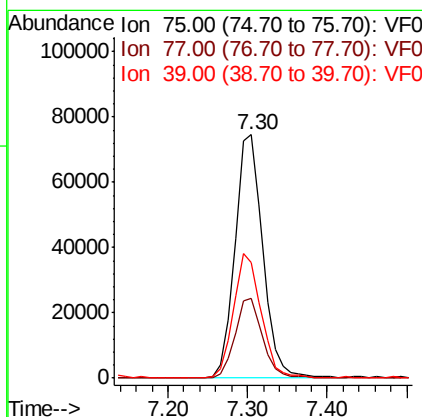
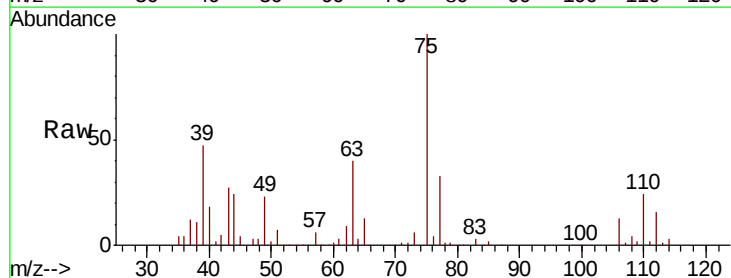
Instrument :
MSVOA_F
ClientSampleId :

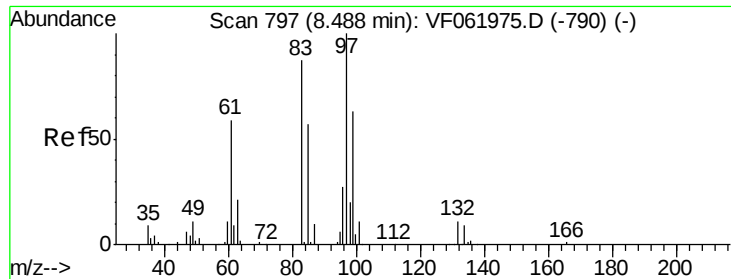
Tot Ion: 75 Resp: 139922
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 51.909 ug/l
RT: 7.30 min Scan# 677
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tgt Ion: 75 Resp: 181271
Ion Ratio Lower Upper
75 100
77 33.0 26.4 39.6
39 47.5 38.0 57.0





#55

1,1,2-Trichloroethane

Concen: 50.980 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 83034

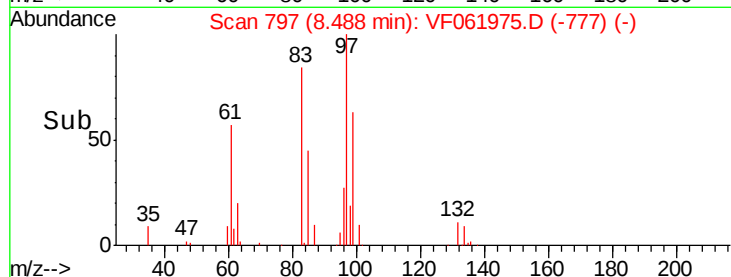
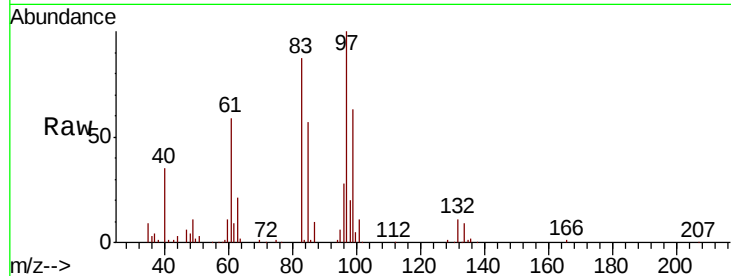
Ion Ratio Lower Upper

97 100

83 87.1 69.7 104.5

85 57.2 45.8 68.6

99 62.9 50.3 75.5

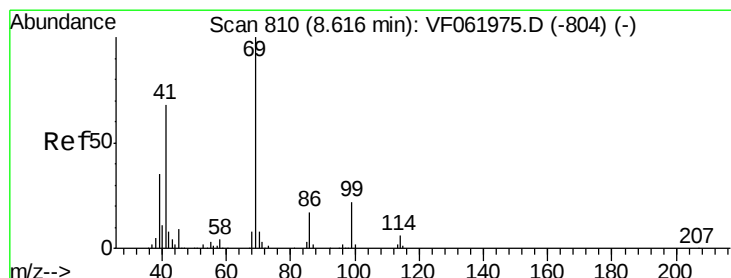
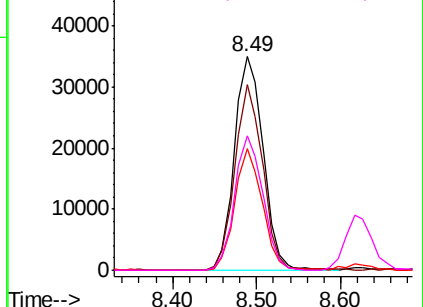


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 51.499 ug/l

RT: 8.62 min Scan# 810

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

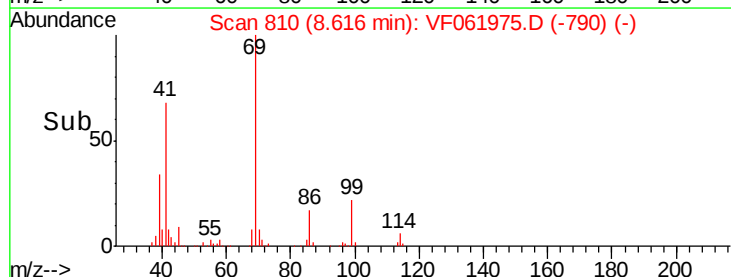
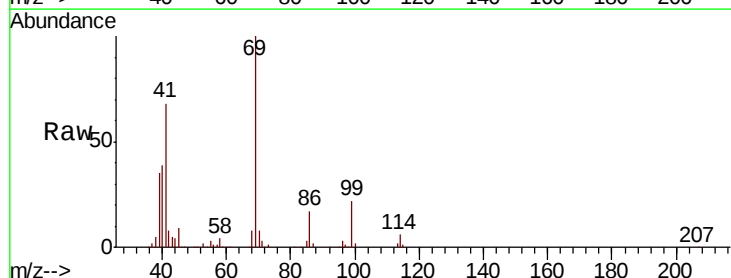
Tgt Ion: 69 Resp: 95351

Ion Ratio Lower Upper

69 100

41 68.4 54.7 82.1

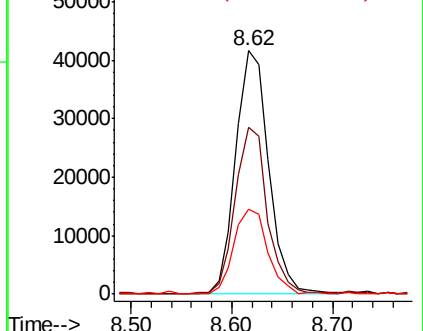
39 34.9 27.9 41.9

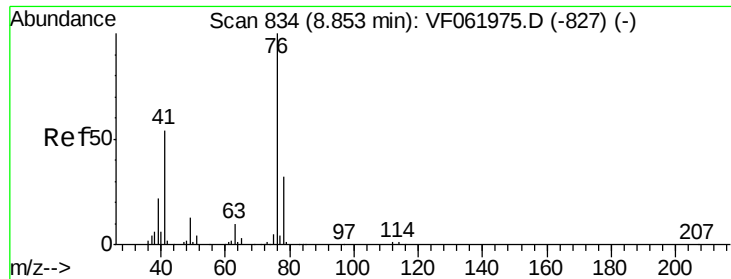


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 53.537 ug/l

RT: 8.85 min Scan# 834

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

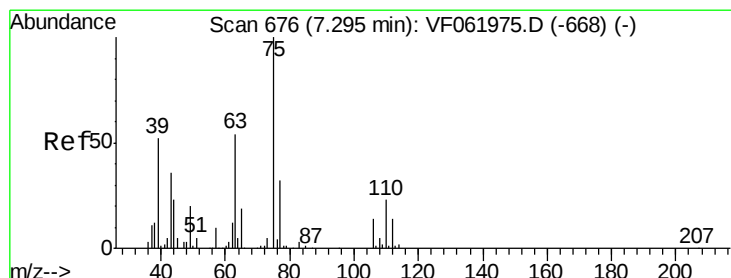
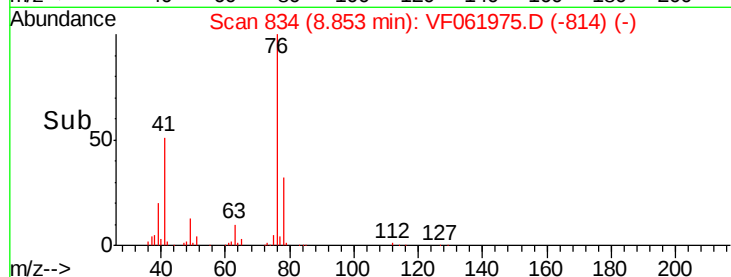
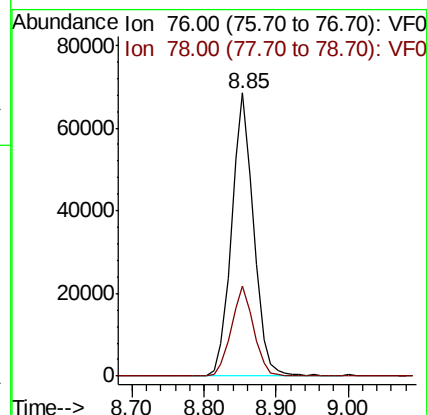
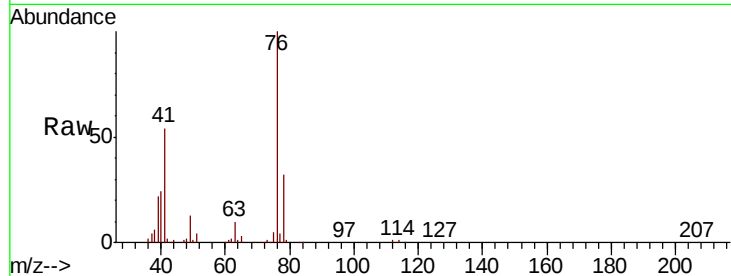
ClientSampleId :

Tot Ion: 76 Resp: 145459

Ion Ratio Lower Upper

76 100

78 31.8 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 258.721 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.00 min

Lab File: VF061975.D

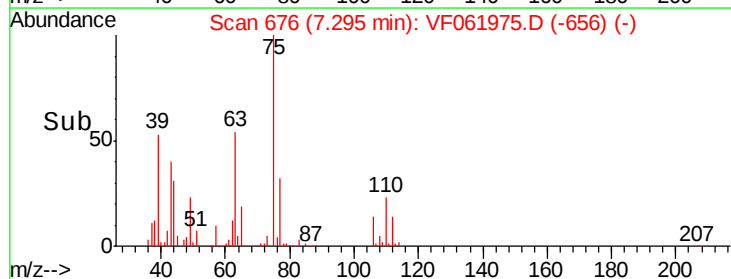
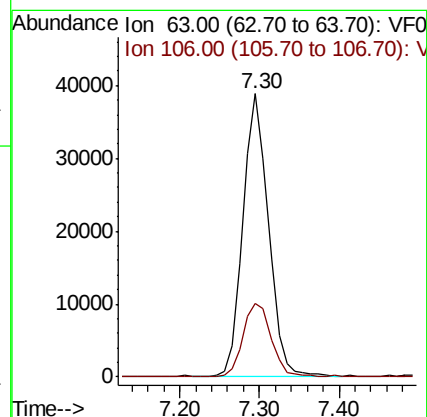
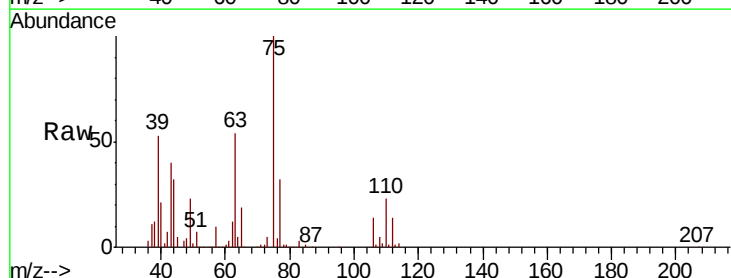
Acq: 16 Mar 2019 12:08

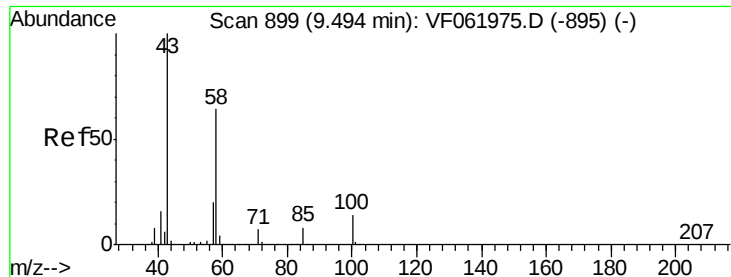
Tgt Ion: 63 Resp: 86765

Ion Ratio Lower Upper

63 100

106 26.1 20.9 31.3

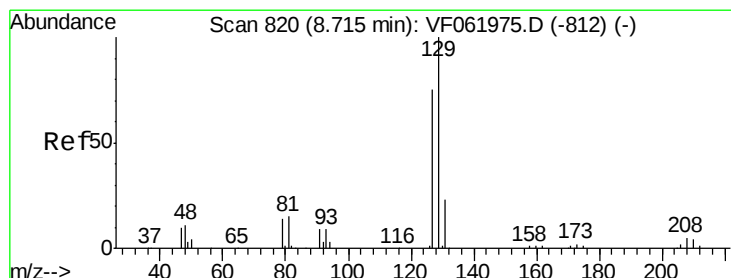
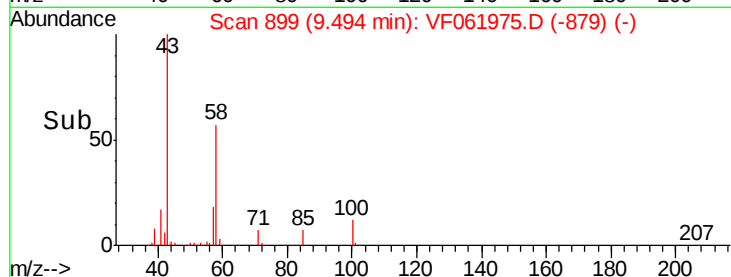
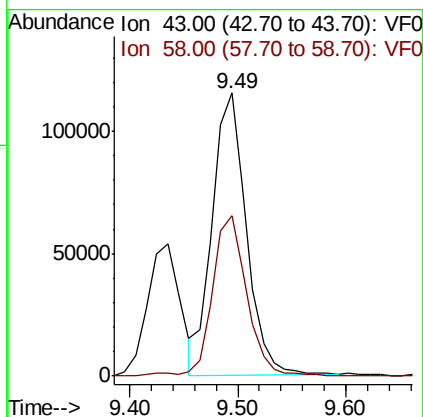
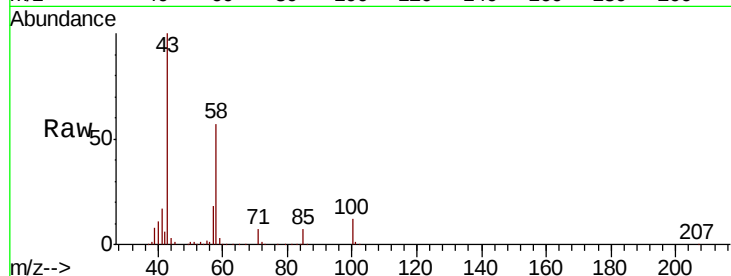




#59
2-Hexanone
Concen: 255.968 ug/l
RT: 9.49 min Scan# 899
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

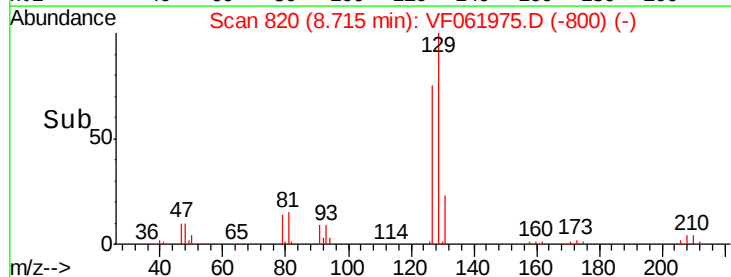
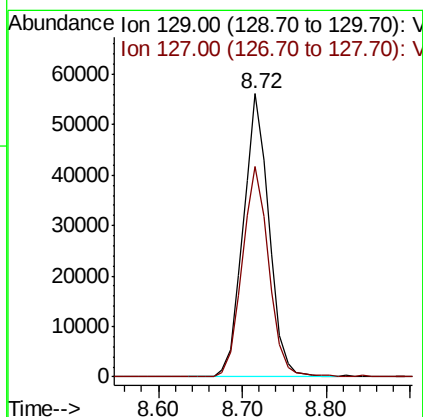
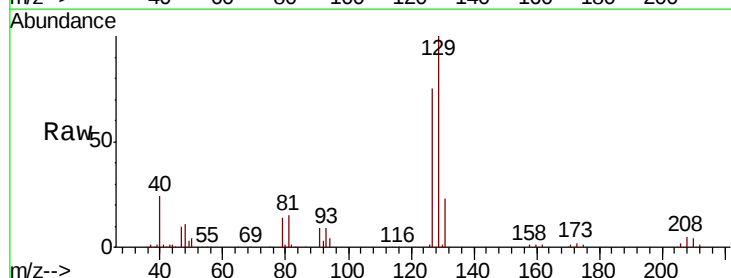
Instrument :
MSVOA_F
ClientSampleId :

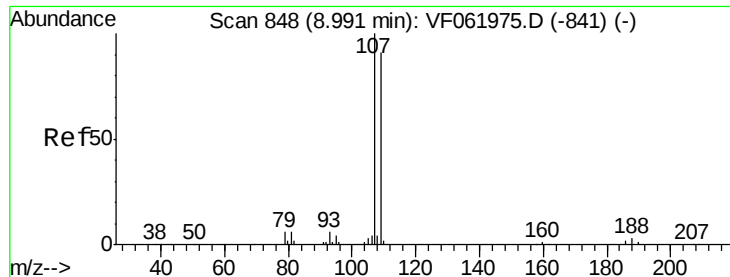
Tot Ion: 43 Resp: 251899
Ion Ratio Lower Upper
43 100
58 56.8 28.4 85.2



#60
Dibromochloromethane
Concen: 53.072 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tgt Ion:129 Resp: 120004
Ion Ratio Lower Upper
129 100
127 74.5 37.3 111.8





#61

1,2-Dibromoethane

Concen: 51.796 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

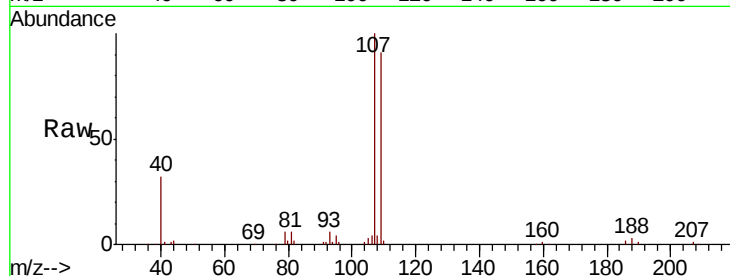
ClientSampleId :

Tot Ion:107 Resp: 90493

Ion Ratio Lower Upper

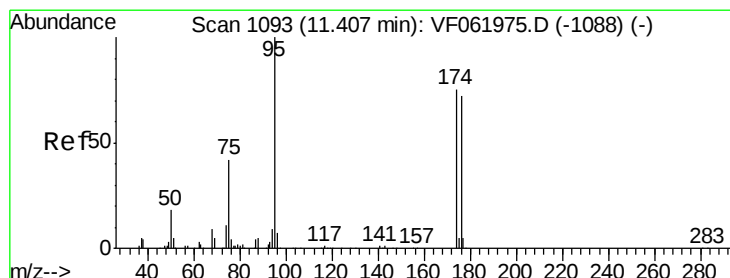
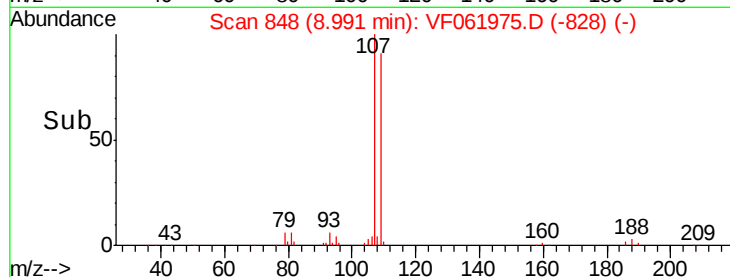
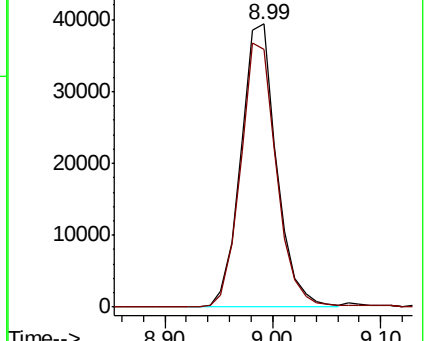
107 100

109 91.0 72.8 109.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 45.647 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

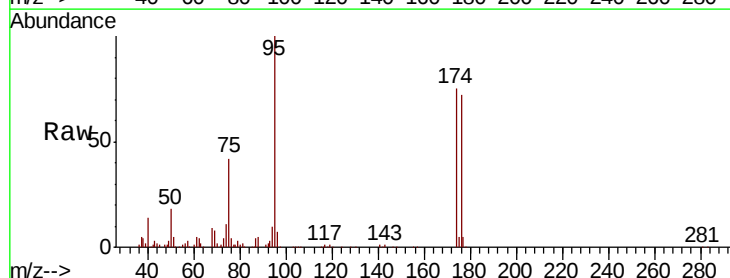
Tgt Ion: 95 Resp: 142089

Ion Ratio Lower Upper

95 100

174 74.7 0.0 149.4

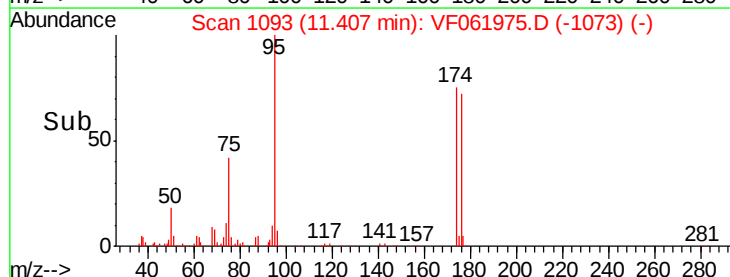
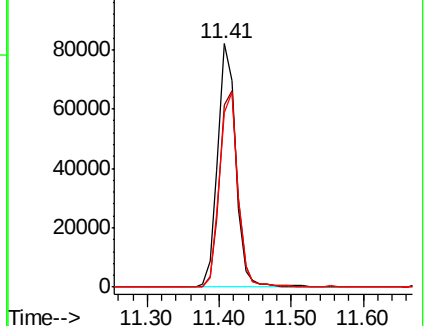
176 71.7 0.0 143.4

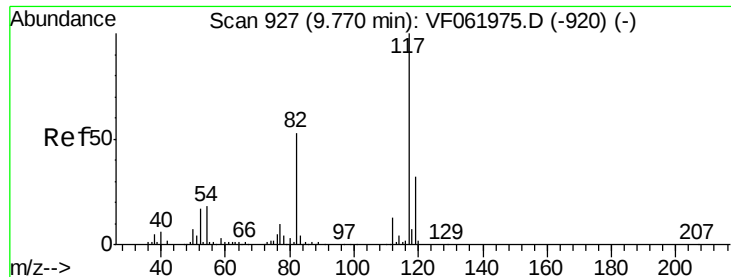


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

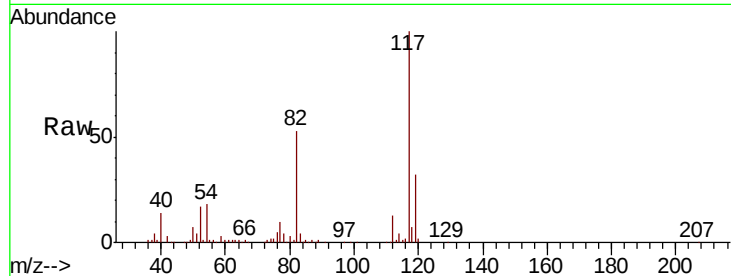




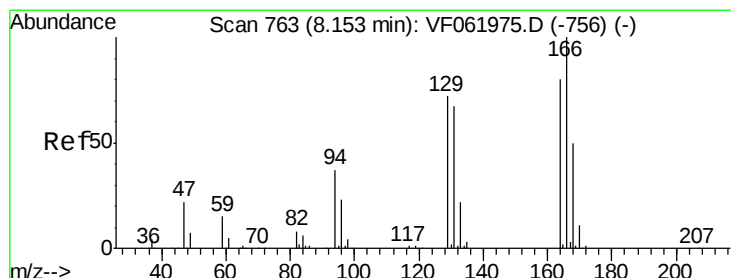
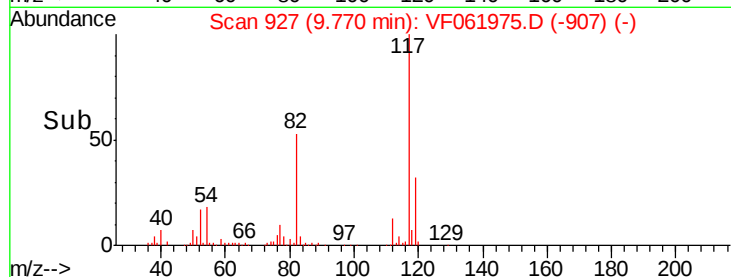
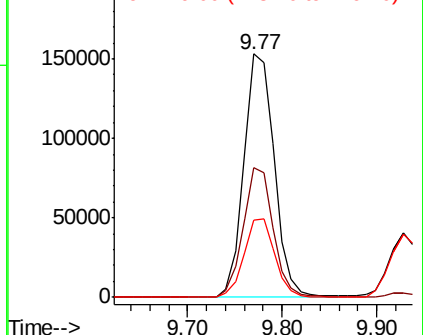
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 342846
Ion Ratio Lower Upper
117 100
82 53.1 42.5 63.7
119 31.7 25.4 38.0

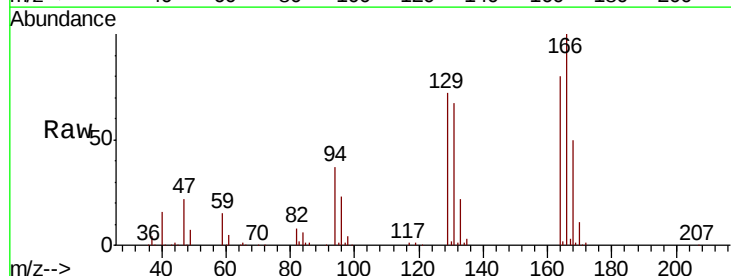


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

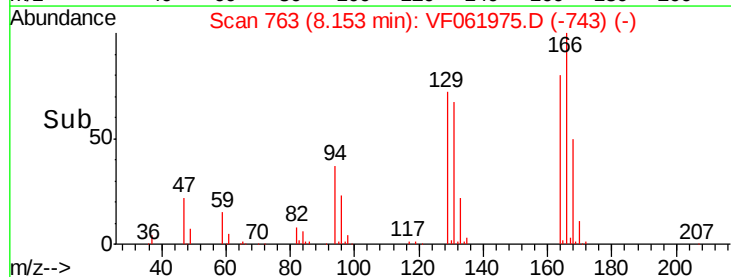
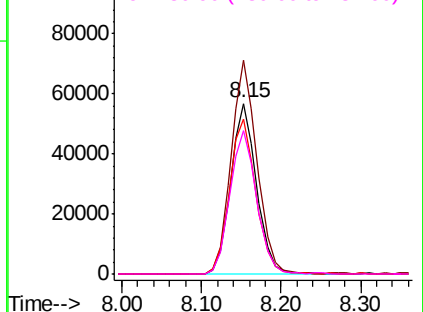


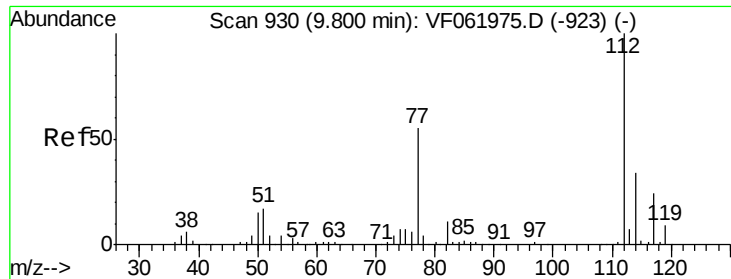
#64
Tetrachloroethene
Concen: 51.295 ug/l
RT: 8.15 min Scan# 763
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tgt Ion:164 Resp: 127834
Ion Ratio Lower Upper
164 100
166 125.0 100.0 150.0
129 90.5 72.4 108.6
131 83.9 67.1 100.7



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

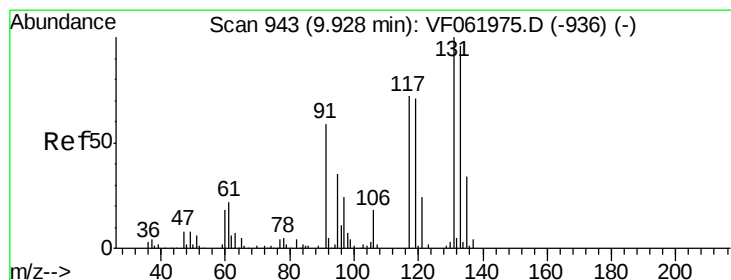
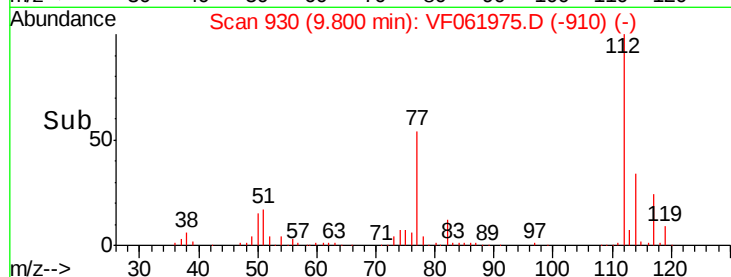
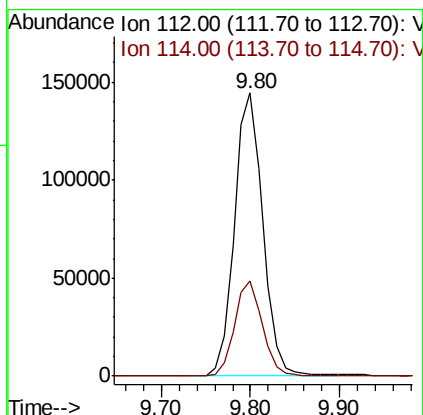
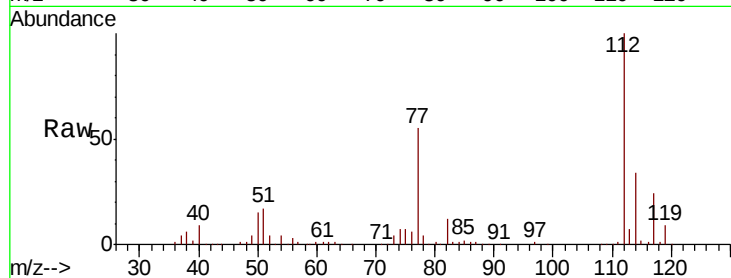




#65
Chlorobenzene
Concen: 50.308 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

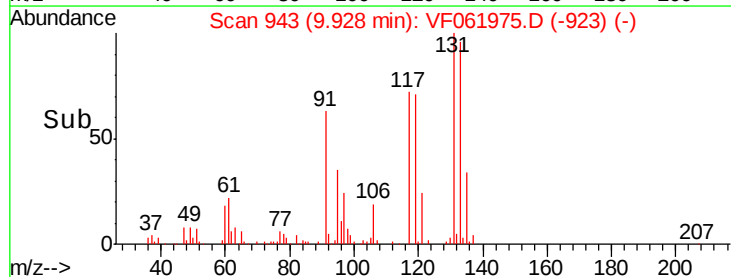
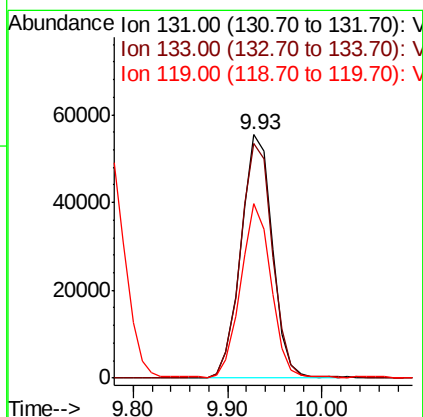
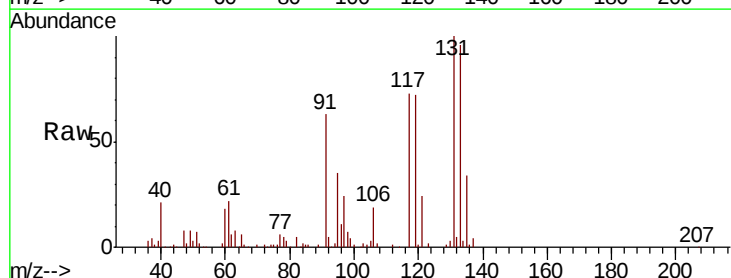
Instrument :
MSVOA_F
ClientSampleId :

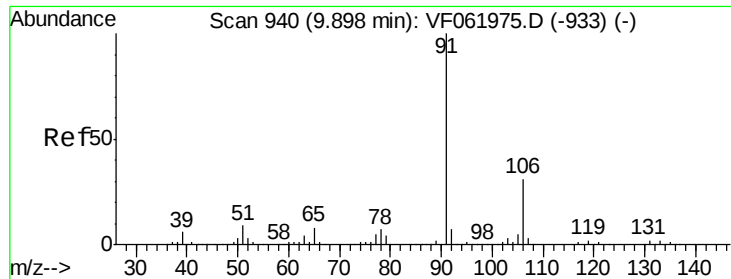
Tot Ion:112 Resp: 321126
Ion Ratio Lower Upper
112 100
114 33.6 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 51.602 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tgt Ion:131 Resp: 127676
Ion Ratio Lower Upper
131 100
133 96.1 48.0 144.2
119 71.8 35.9 107.7

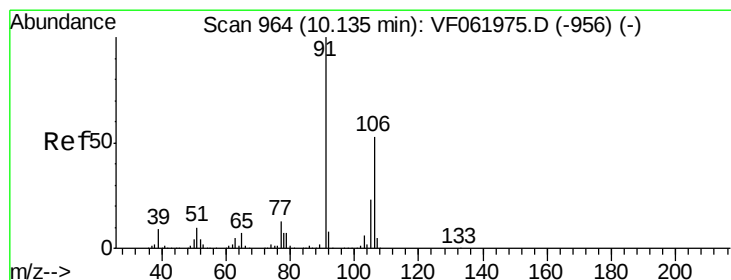
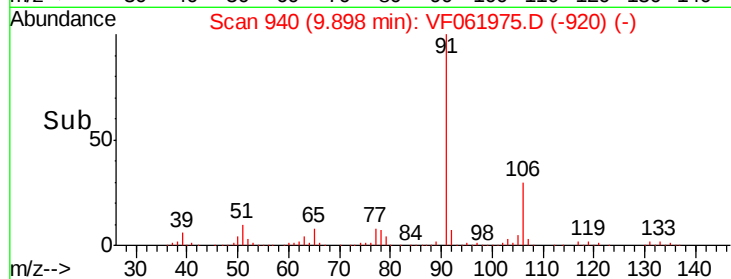
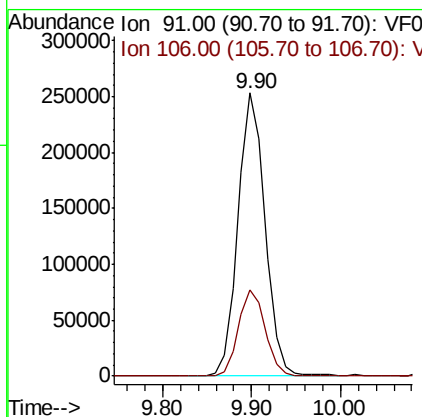
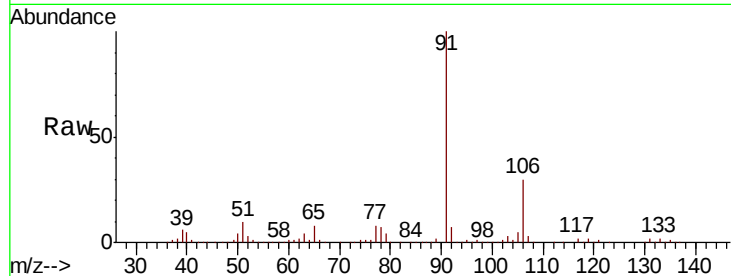




#67
Ethyl Benzene
Concen: 49.081 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

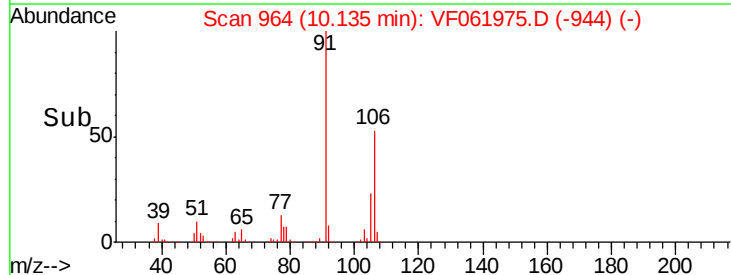
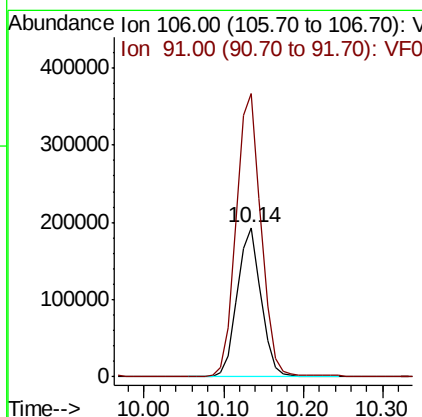
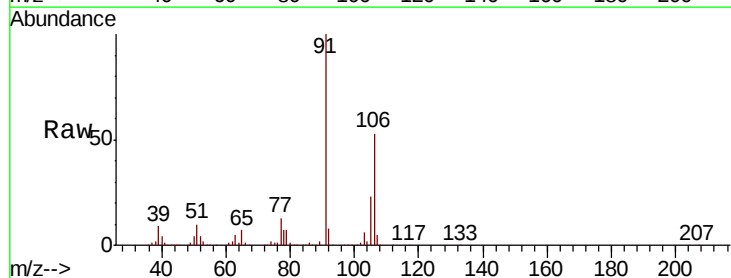
Instrument :
MSVOA_F
ClientSampled :

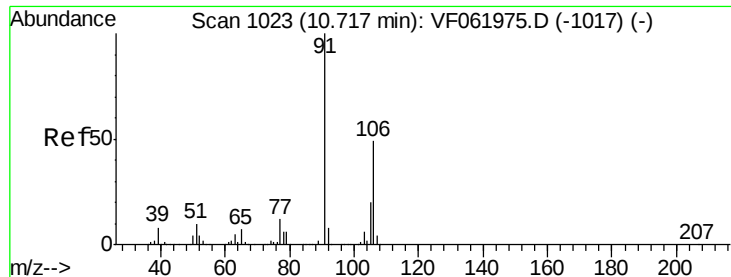
Tot Ion: 91 Resp: 536432
Ion Ratio Lower Upper
91 100
106 30.5 24.4 36.6



#68
m/p-Xylenes
Concen: 98.177 ug/l
RT: 10.14 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tgt Ion: 106 Resp: 403571
Ion Ratio Lower Upper
106 100
91 189.9 151.9 227.9

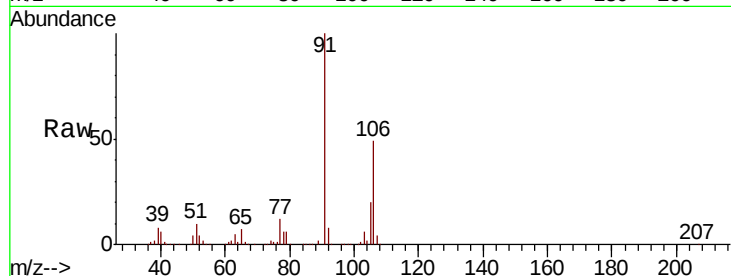




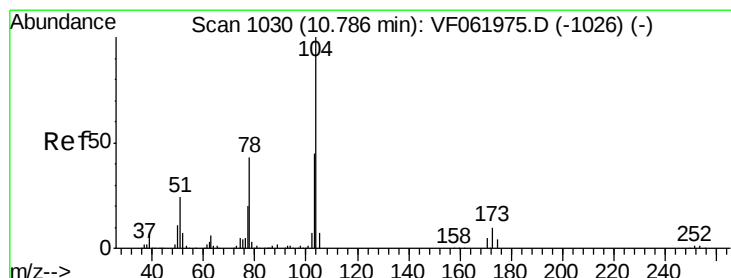
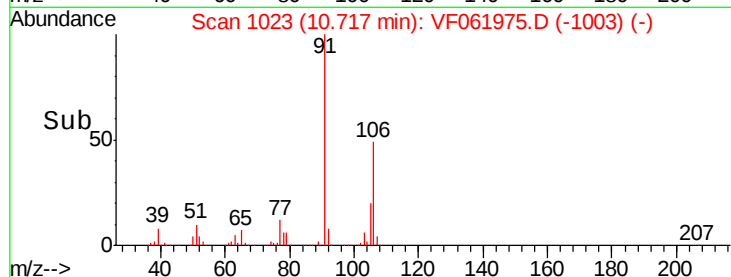
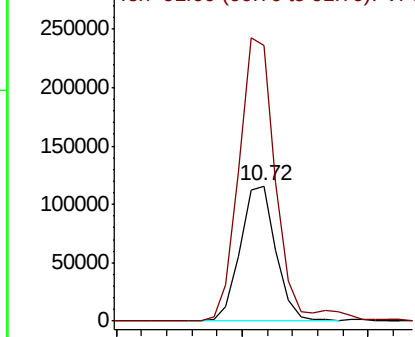
#69
o-Xylene
Concen: 51.561 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:106 Resp: 226792
Ion Ratio Lower Upper
106 100
91 204.5 102.3 306.8

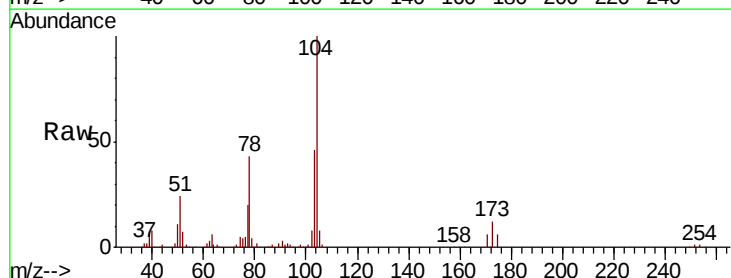


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

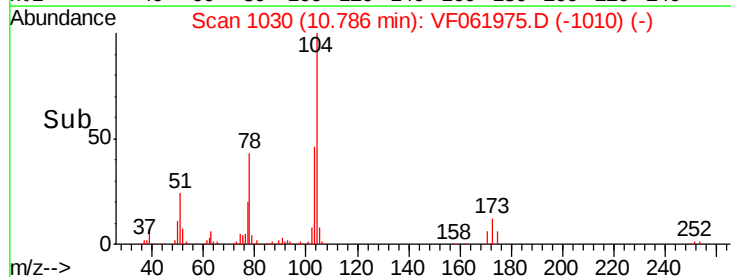
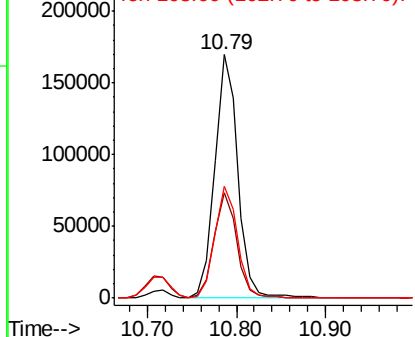


#70
Styrene
Concen: 50.024 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tgt Ion:104 Resp: 304830
Ion Ratio Lower Upper
104 100
78 43.4 34.7 52.1
103 45.7 36.6 54.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 53.799 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

ClientSampleId :

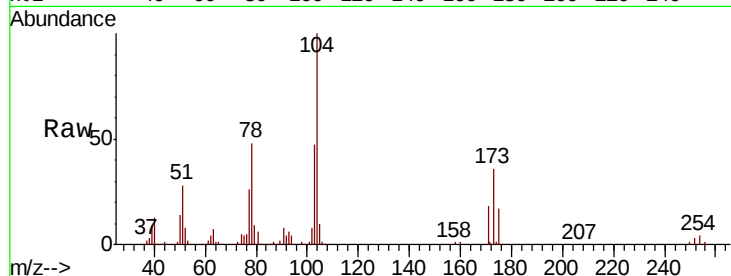
Tot Ion:173 Resp: 67329

Ion Ratio Lower Upper

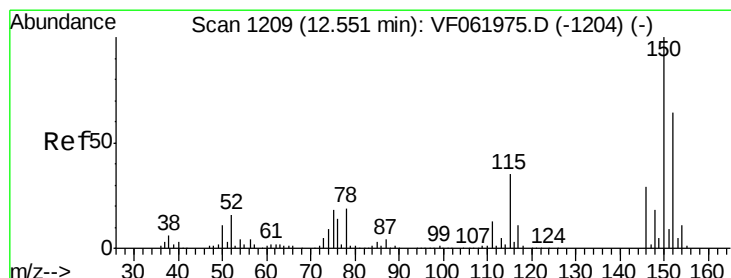
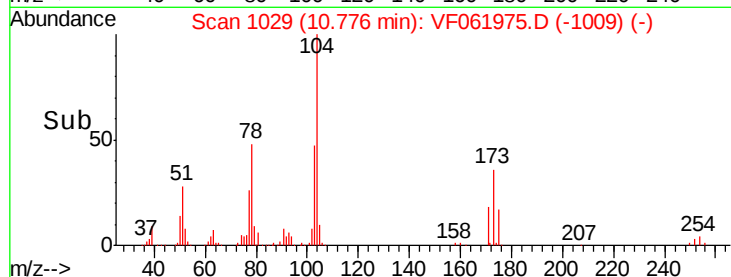
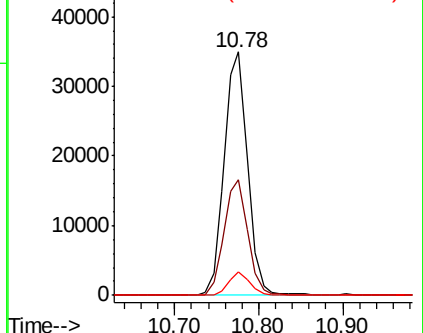
173 100

175 47.4 23.7 71.1

254 9.8 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: VF061975.D

Acq: 16 Mar 2019 12:08

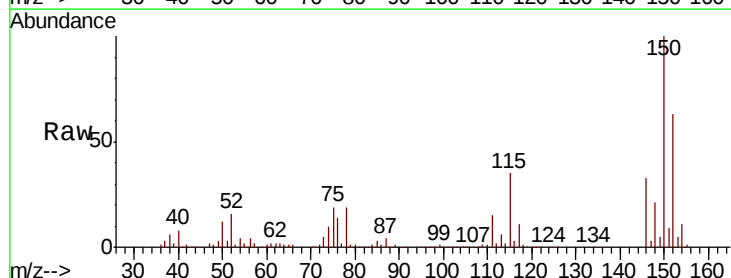
Tgt Ion:152 Resp: 179025

Ion Ratio Lower Upper

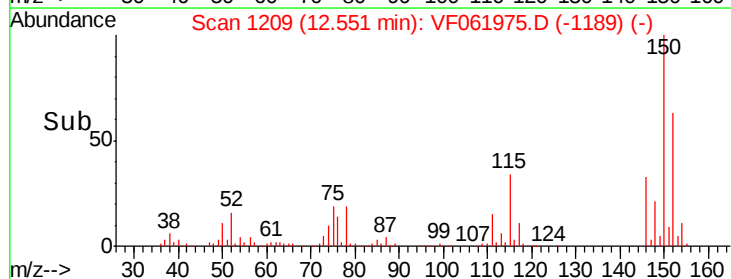
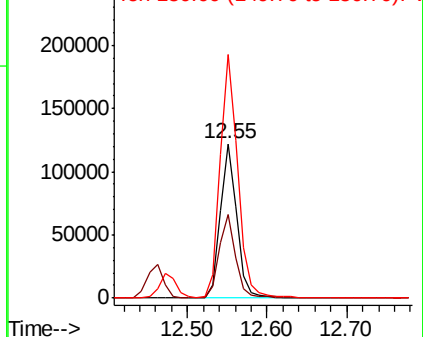
152 100

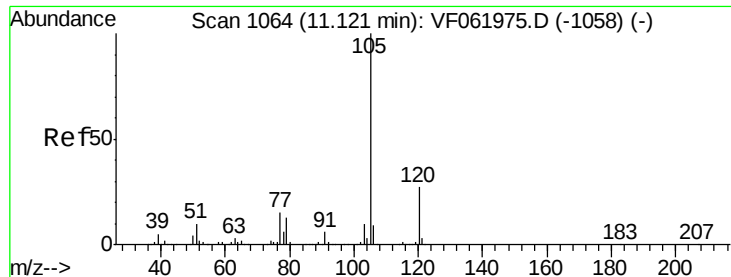
115 54.6 27.3 81.9

150 158.1 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: 53.048 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

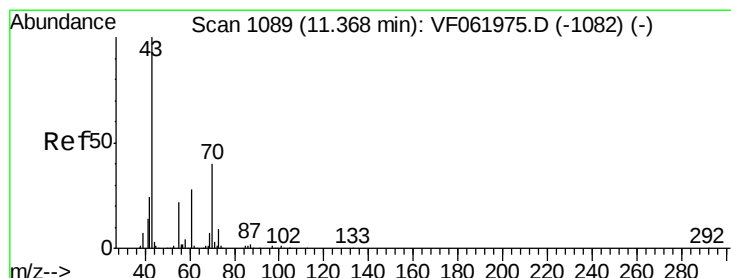
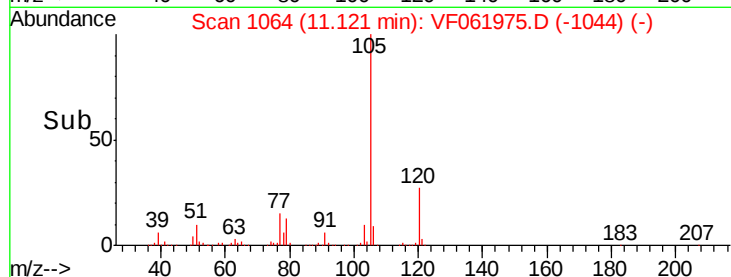
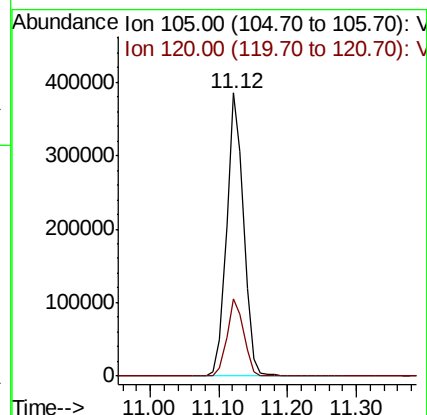
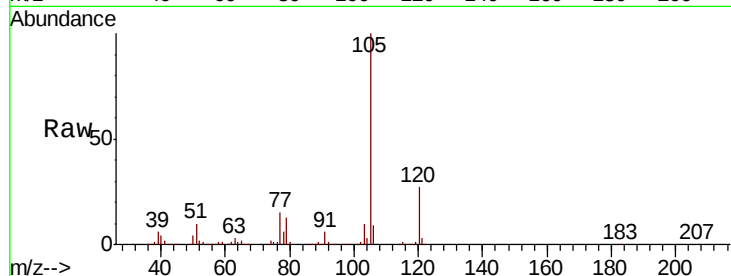
ClientSampleId :

Tot Ion:105 Resp: 656105

Ion Ratio Lower Upper

105 100

120 27.5 13.8 41.3



#74

N-ethyl acetate

Concen: 52.516 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Tgt Ion: 43 Resp: 148829

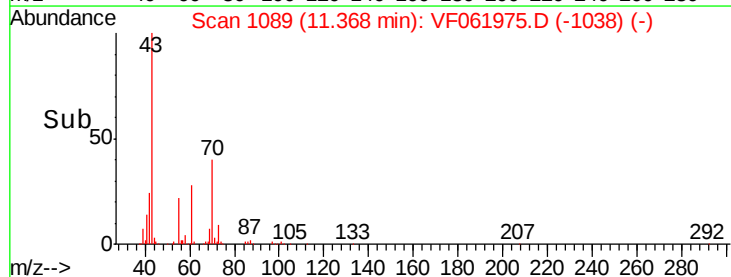
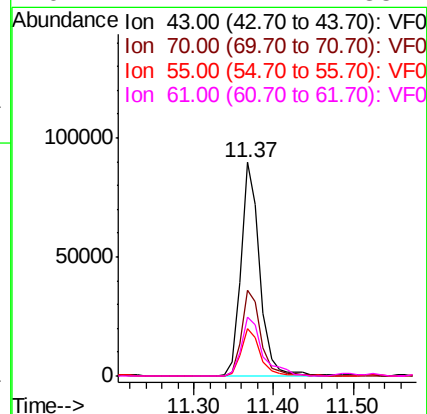
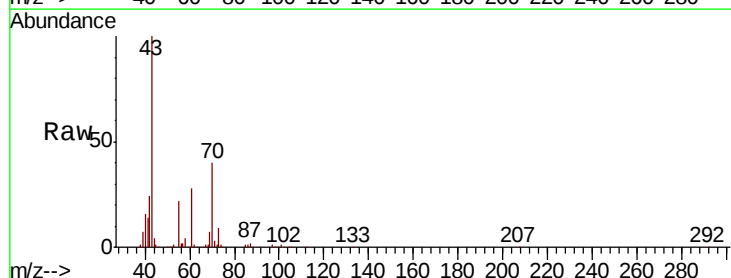
Ion Ratio Lower Upper

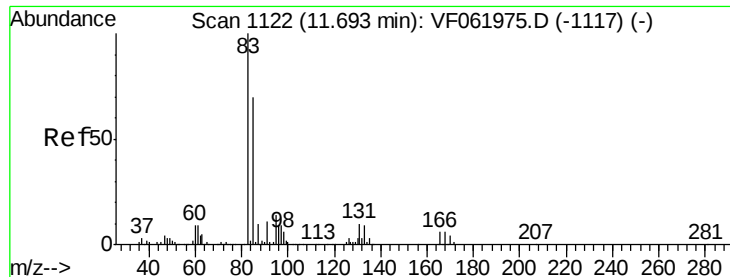
43 100

70 39.9 31.9 47.9

55 22.4 17.9 26.9

61 27.7 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 52.497 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

ClientSampleId :

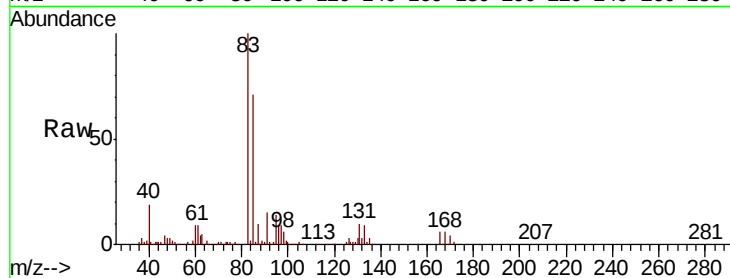
Tot Ion: 83 Resp: 107173

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

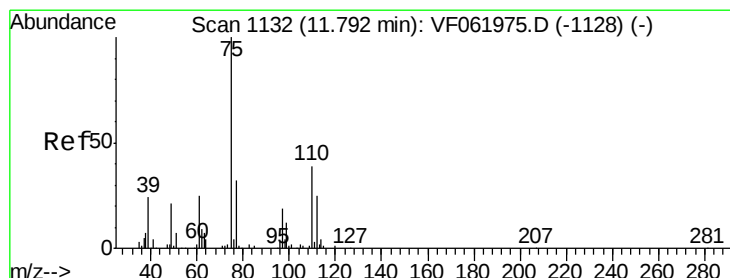
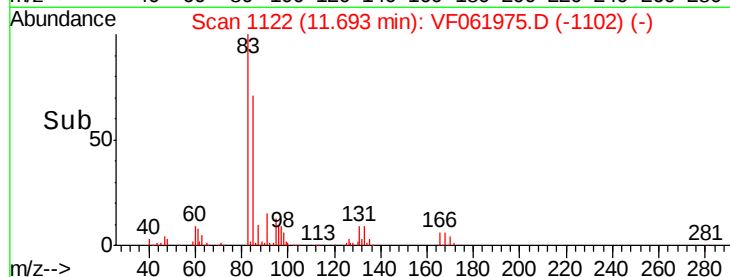
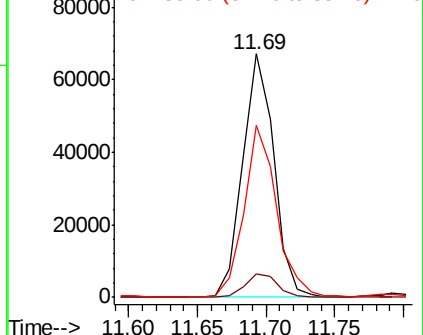
85 70.6 35.3 105.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 52.366 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF061975.D

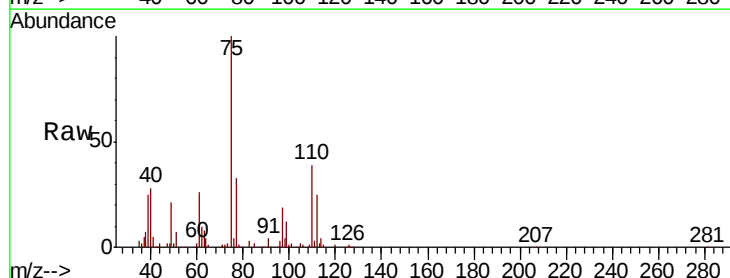
Acq: 16 Mar 2019 12:08

Tgt Ion: 75 Resp: 74754

Ion Ratio Lower Upper

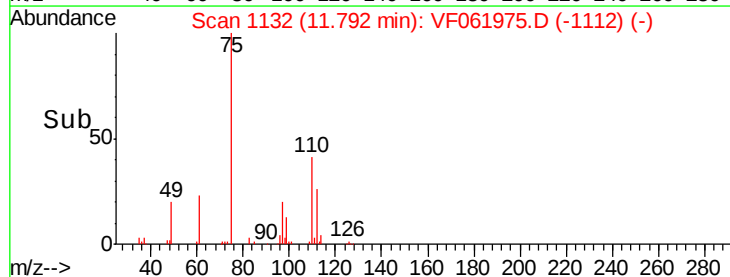
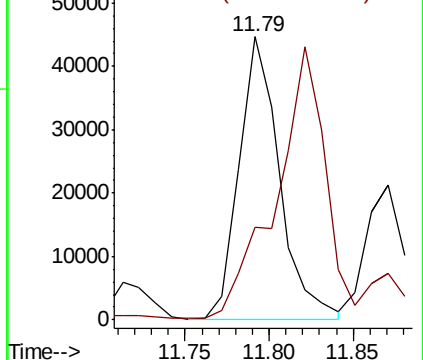
75 100

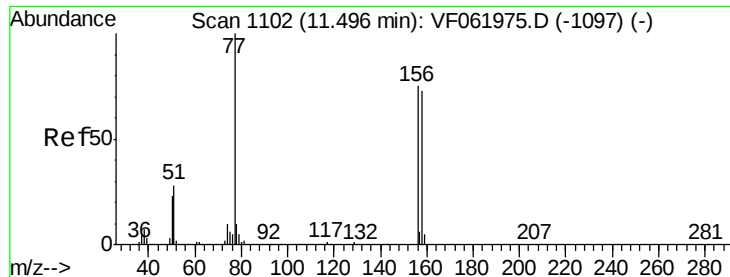
77 32.8 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 51.421 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

ClientSampleId :

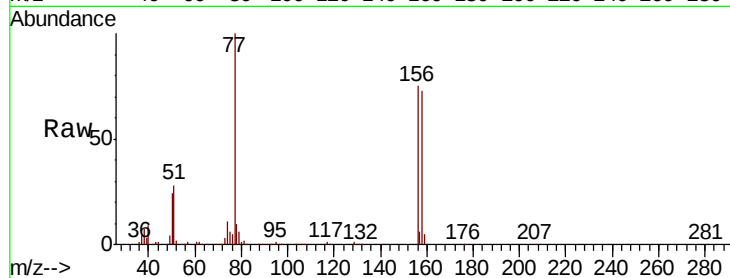
Tot Ion:156 Resp: 147281

Ion Ratio Lower Upper

156 100

77 134.0 67.0 201.0

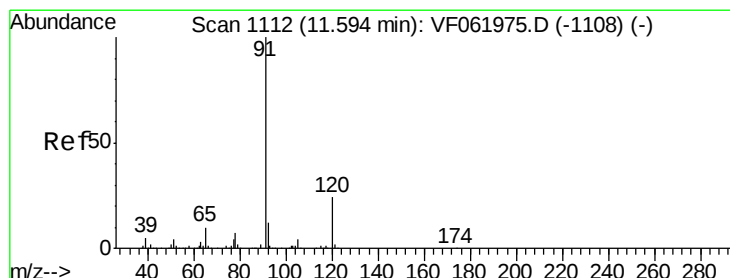
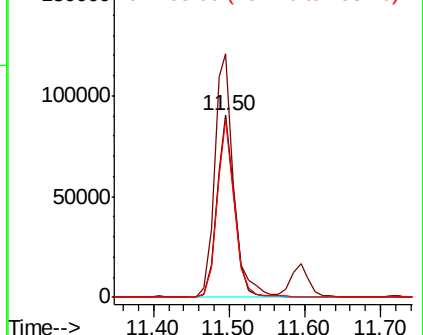
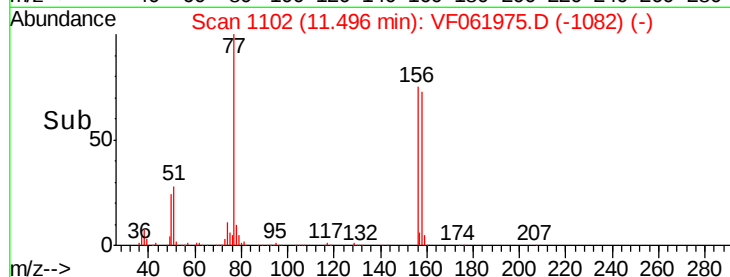
158 97.8 48.9 146.7



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: 48.513 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF061975.D

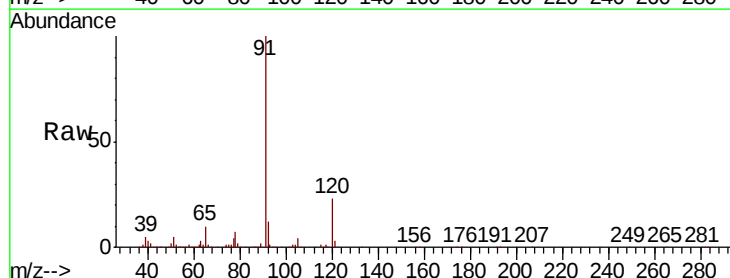
Acq: 16 Mar 2019 12:08

Tgt Ion: 91 Resp: 689924

Ion Ratio Lower Upper

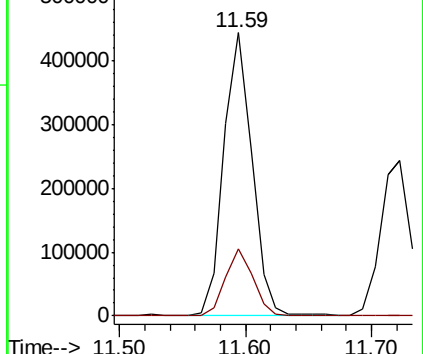
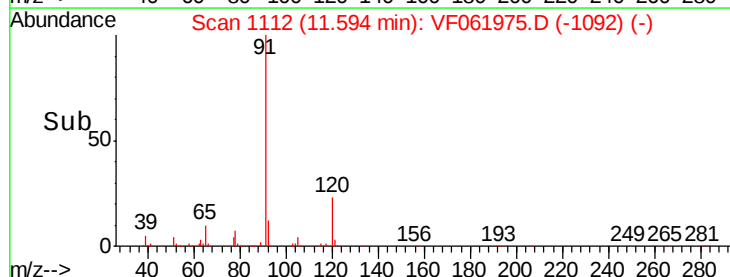
91 100

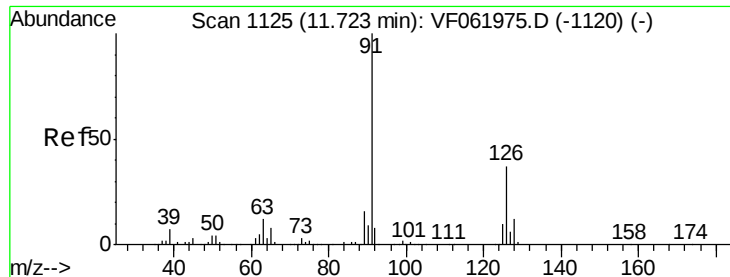
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

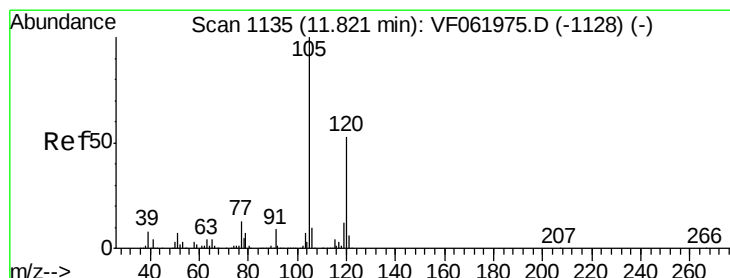
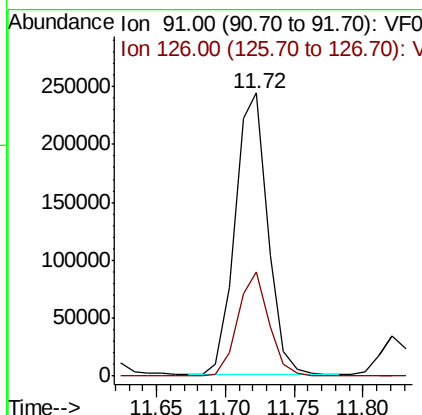
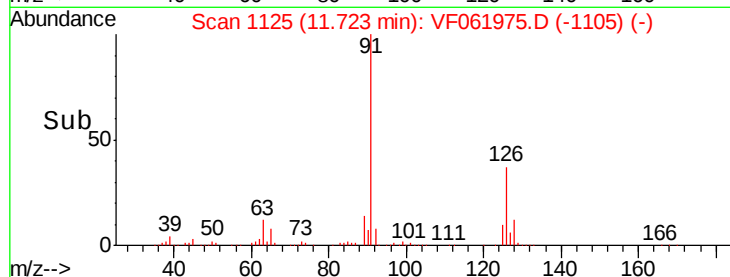
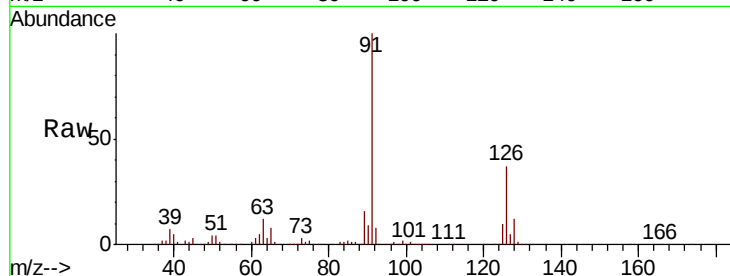




#79
 2-Chlorotoluene
 Concen: 49.817 ug/l
 RT: 11.72 min Scan# 1125
 Delta R.T. 0.00 min
 Lab File: VF061975.D
 Acq: 16 Mar 2019 12:08

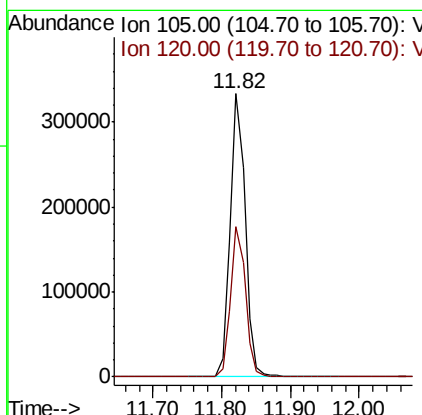
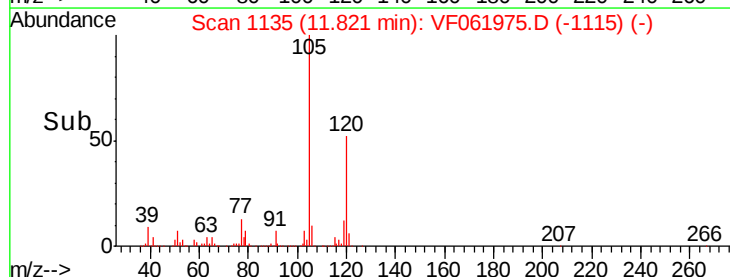
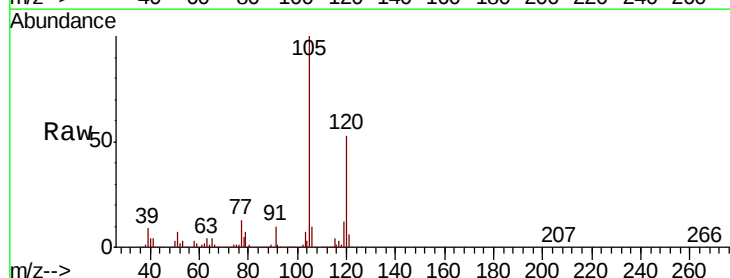
Instrument :
 MSVOA_F
 ClientSampled :

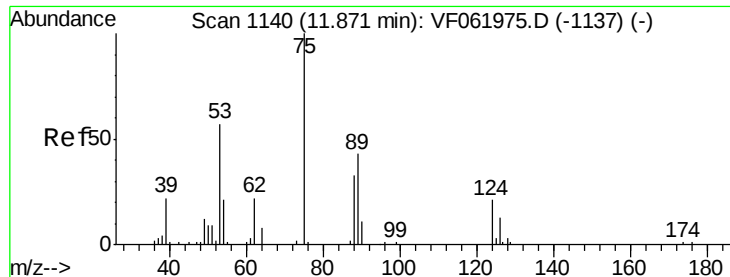
Tot Ion: 91 Resp: 399901
 Ion Ratio Lower Upper
 91 100
 126 36.8 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 50.604 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: VF061975.D
 Acq: 16 Mar 2019 12:08

Tgt Ion: 105 Resp: 505579
 Ion Ratio Lower Upper
 105 100
 120 53.1 26.6 79.7





#81

trans-1,4-Dichloro-2-butene

Concen: 71.098 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

ClientSampleId :

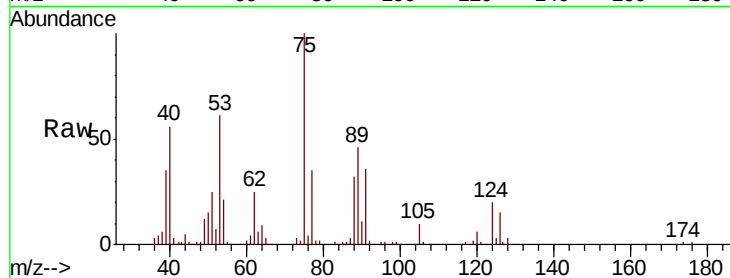
Tot Ion: 75 Resp: 44900

Ion Ratio Lower Upper

75 100

53 61.3 49.0 73.6

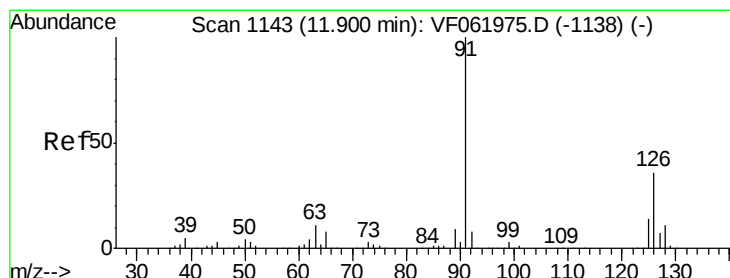
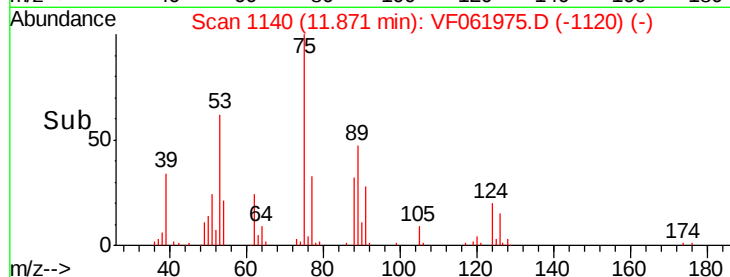
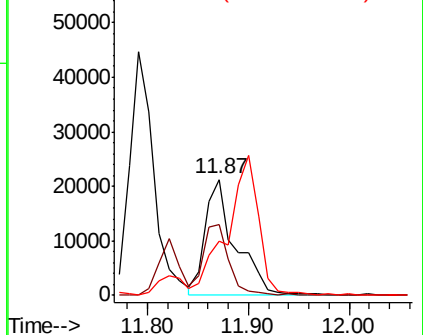
89 46.4 37.1 55.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 51.718 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF061975.D

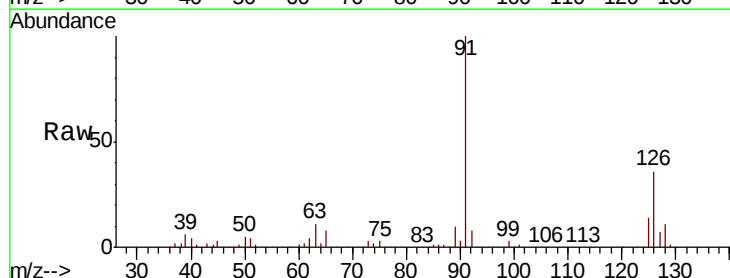
Acq: 16 Mar 2019 12:08

Tgt Ion: 91 Resp: 419837

Ion Ratio Lower Upper

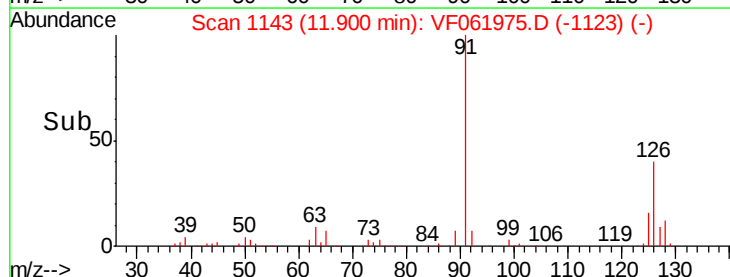
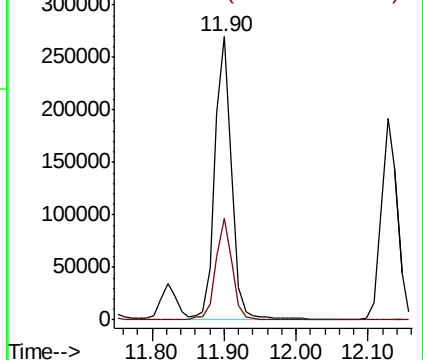
91 100

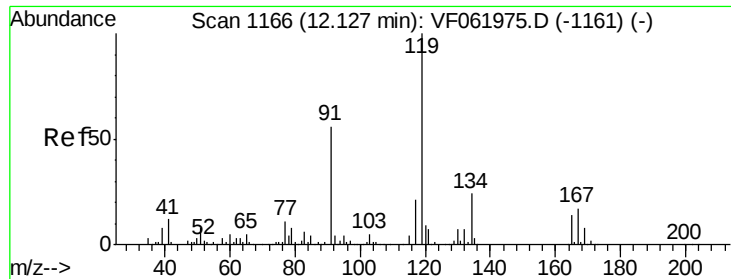
126 36.1 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

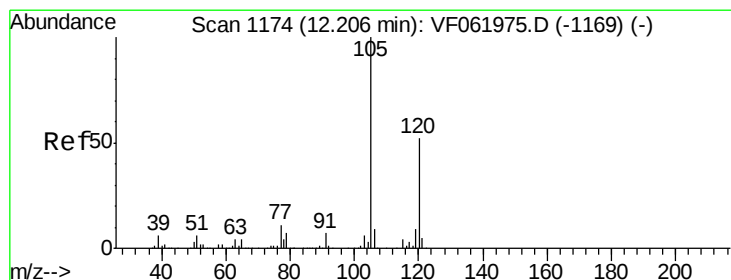
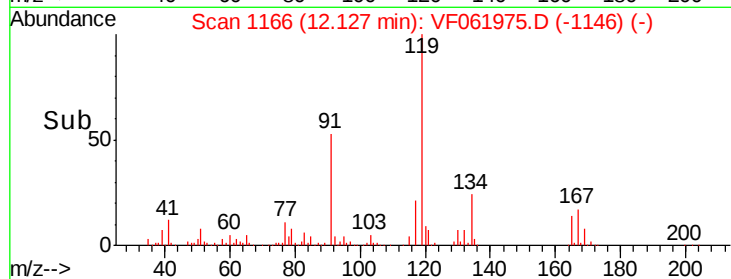
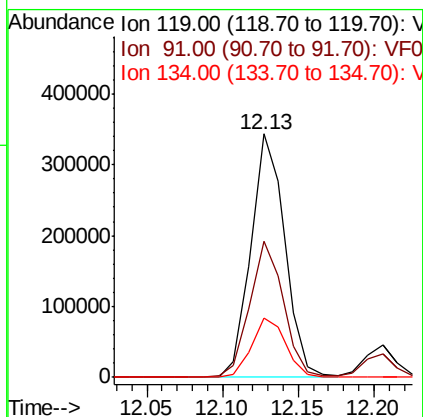
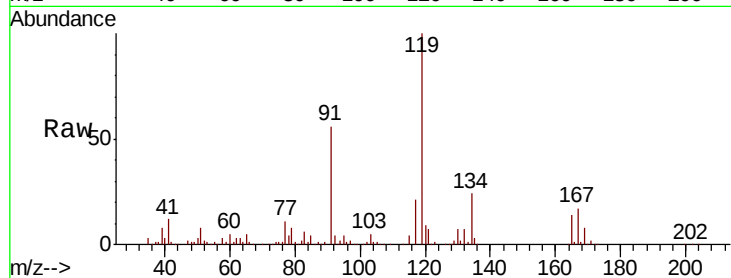




#83
 tert-Butylbenzene
 Concen: 51.733 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: VF061975.D
 Acq: 16 Mar 2019 12:08

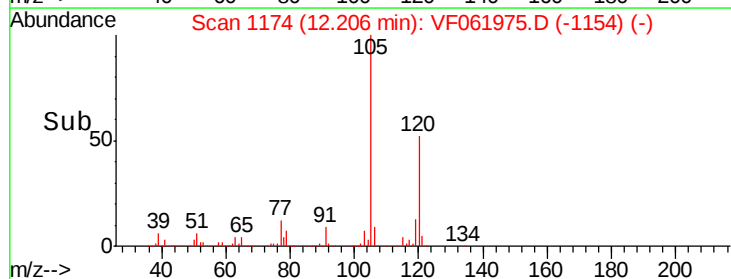
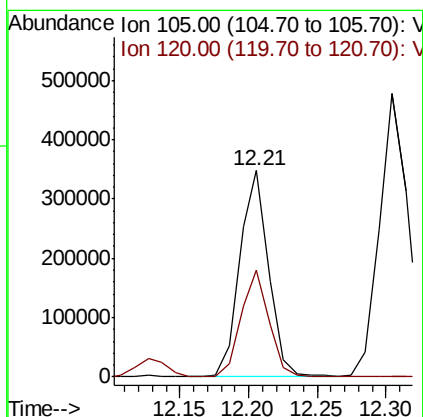
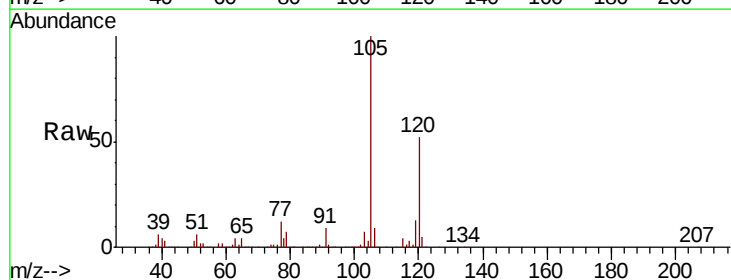
Instrument :
 MSVOA_F
 ClientSampleId :

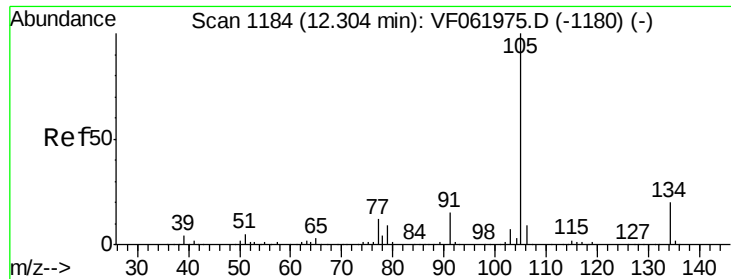
Tot Ion:119 Resp: 540536
 Ion Ratio Lower Upper
 119 100
 91 55.7 27.9 83.6
 134 24.5 12.3 36.8



#84
 1,2,4-Trimethylbenzene
 Concen: 50.732 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VF061975.D
 Acq: 16 Mar 2019 12:08

Tgt Ion:105 Resp: 507677
 Ion Ratio Lower Upper
 105 100
 120 51.9 25.9 77.8





#85

sec-Butylbenzene

Concen: 49.478 ug/l

RT: 12.30 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

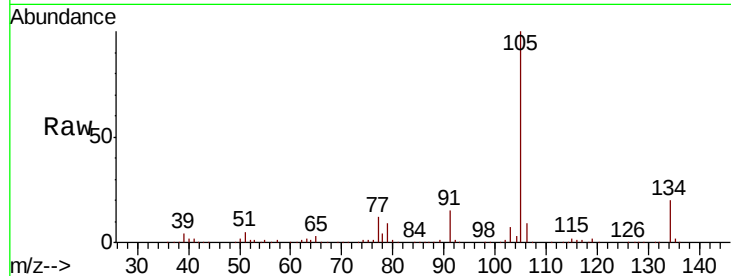
ClientSampleId :

Tot Ion:105 Resp: 698475

Ion Ratio Lower Upper

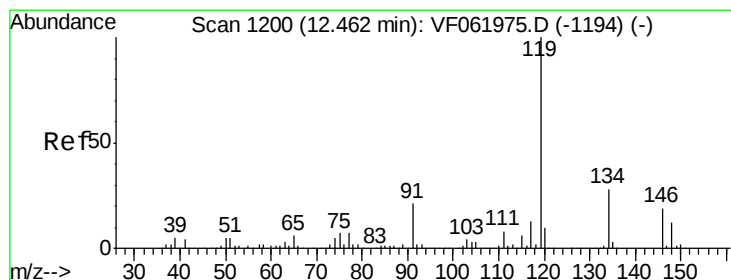
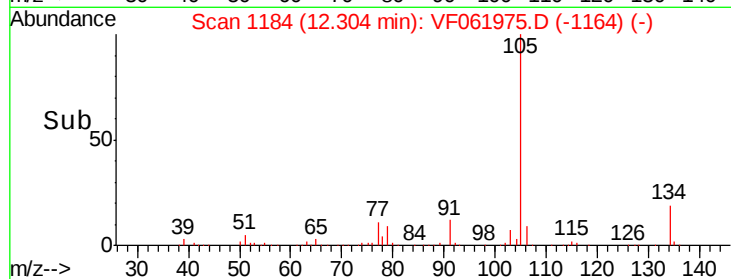
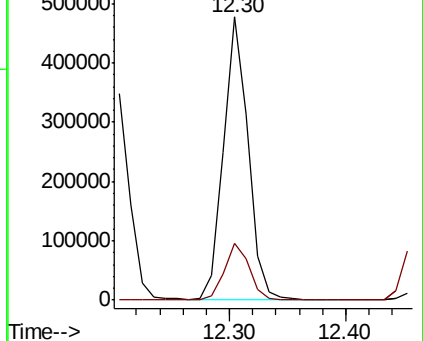
105 100

134 19.9 10.0 29.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.508 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

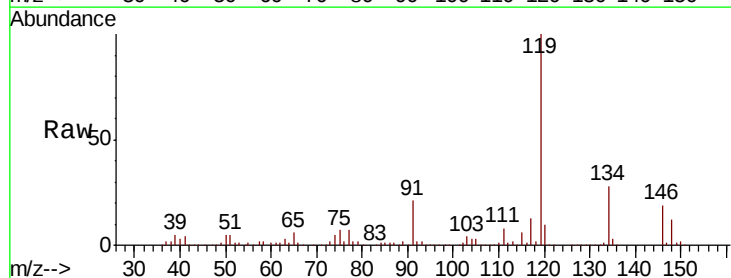
Tgt Ion:119 Resp: 606746

Ion Ratio Lower Upper

119 100

134 27.8 13.9 41.7

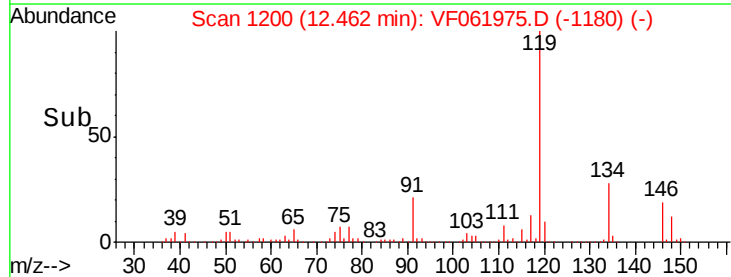
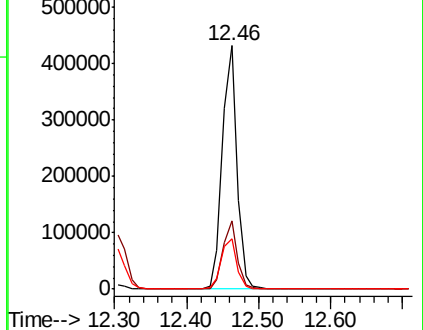
91 20.7 10.4 31.1

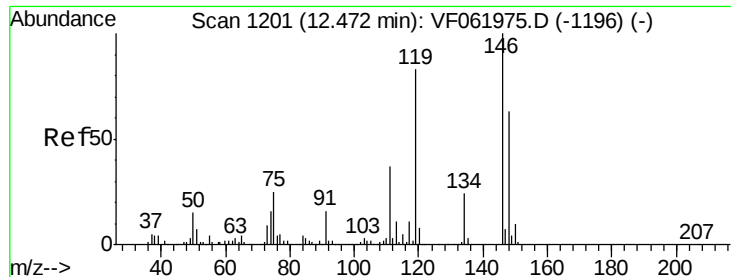


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

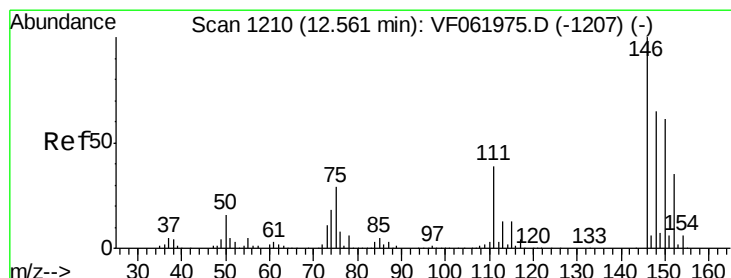
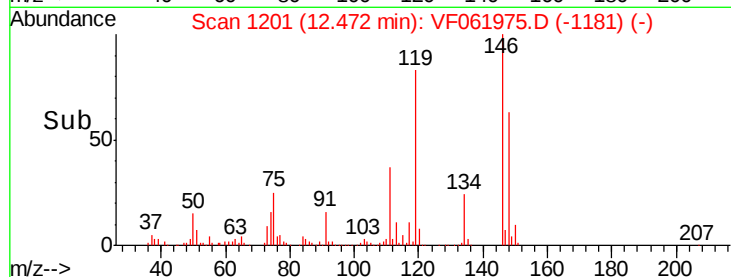
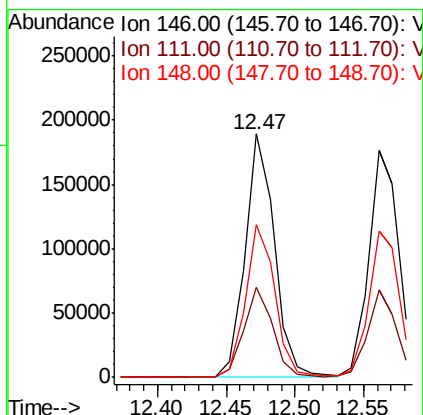
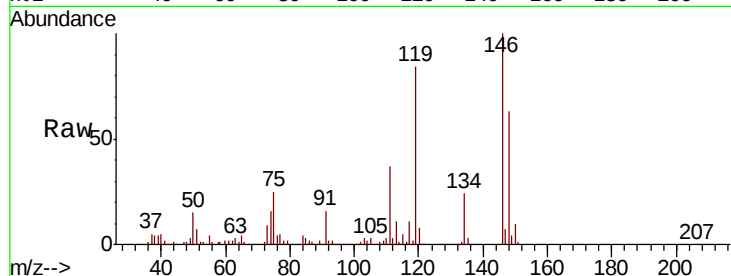




#87
 1,3-Dichlorobenzene
 Concen: 50.295 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF061975.D
 Acq: 16 Mar 2019 12:08

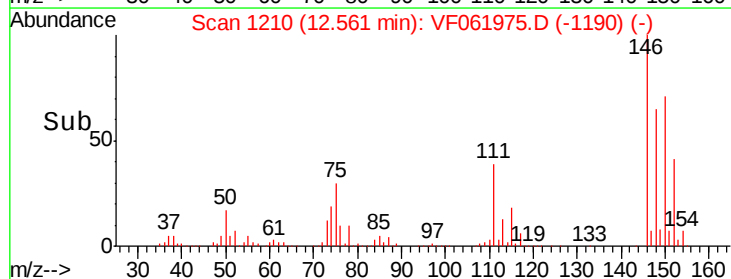
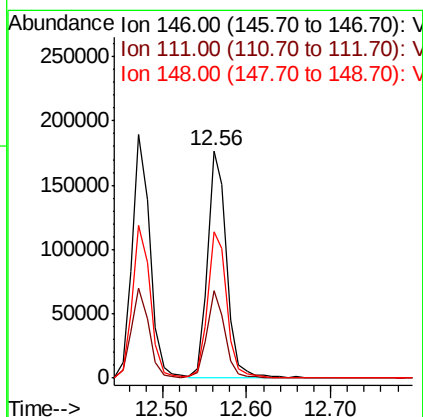
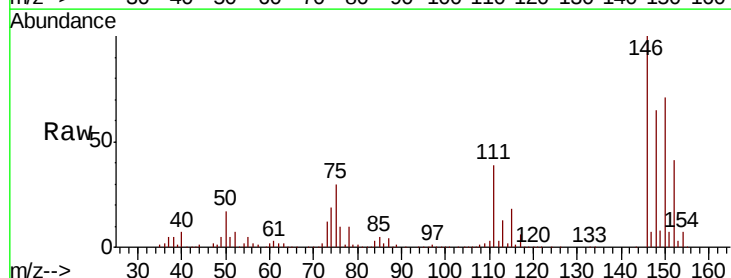
Instrument :
 MSVOA_F
 ClientSampleId :

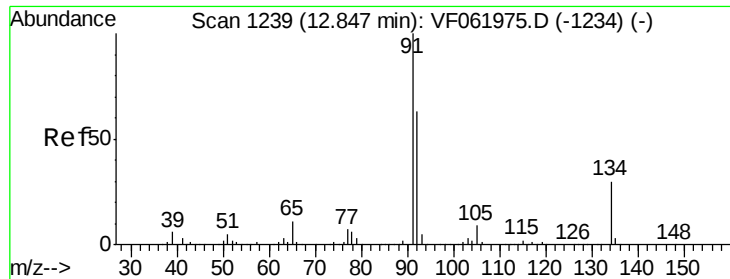
Tot Ion:146 Resp: 283131
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 55.8
 148 62.6 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 50.855 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF061975.D
 Acq: 16 Mar 2019 12:08

Tgt Ion:146 Resp: 275549
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.4 58.1
 148 64.7 32.4 97.0

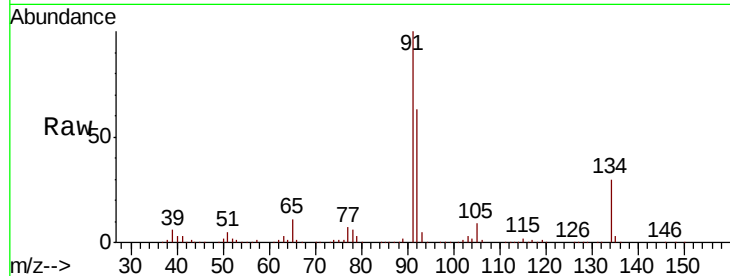




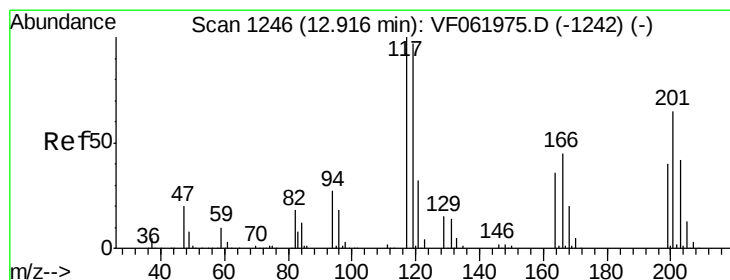
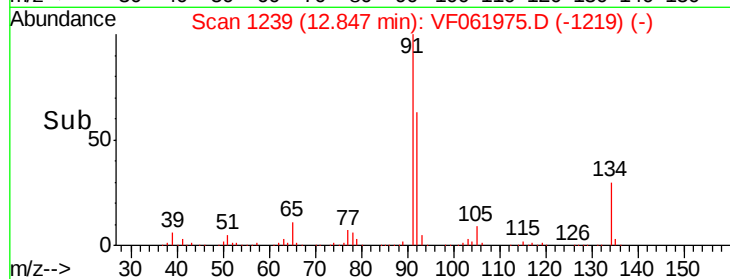
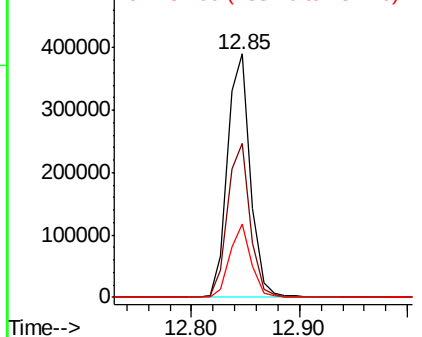
#89
n-Butylbenzene
Concen: 51.937 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 91 Resp: 574883
Ion Ratio Lower Upper
91 100
92 63.4 31.7 95.1
134 30.2 15.1 45.3

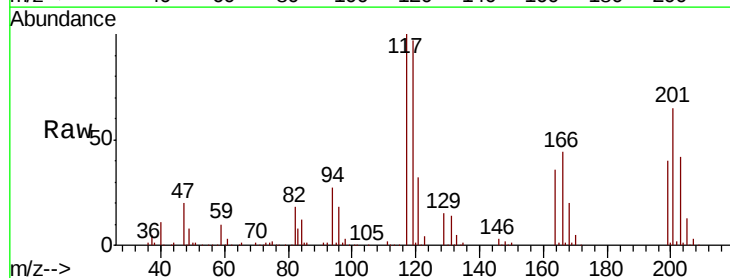


Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 92.00 (91.70 to 92.70): VF0
Ion 134.00 (133.70 to 134.70): V

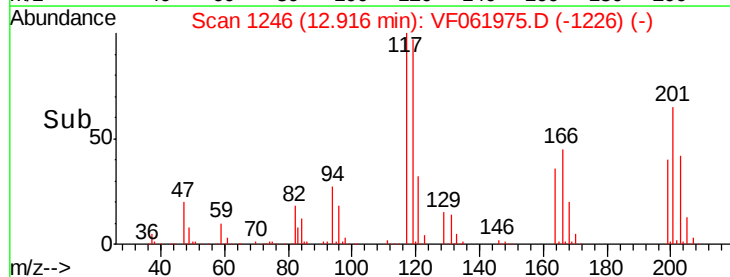
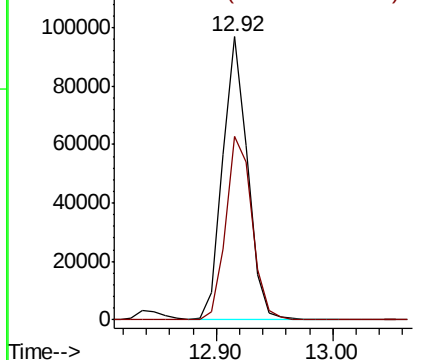


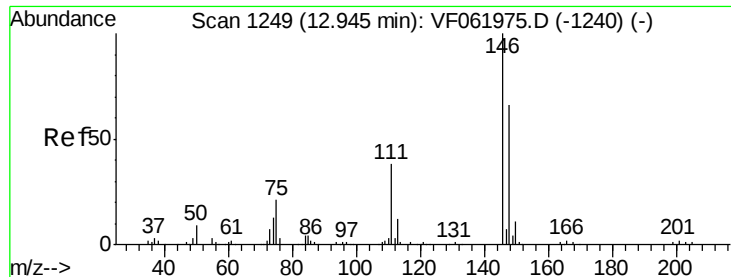
#90
Hexachloroethane
Concen: 53.638 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tgt Ion: 117 Resp: 144190
Ion Ratio Lower Upper
117 100
201 65.0 32.5 97.5



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 201.00 (200.70 to 201.70): V

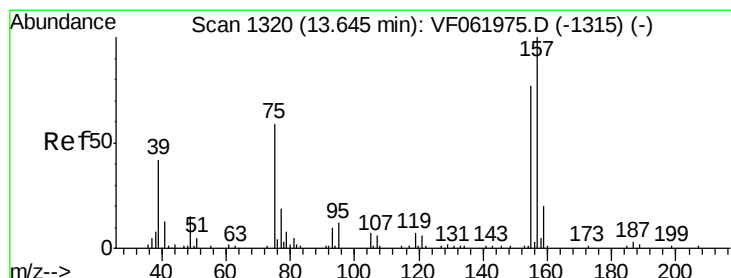
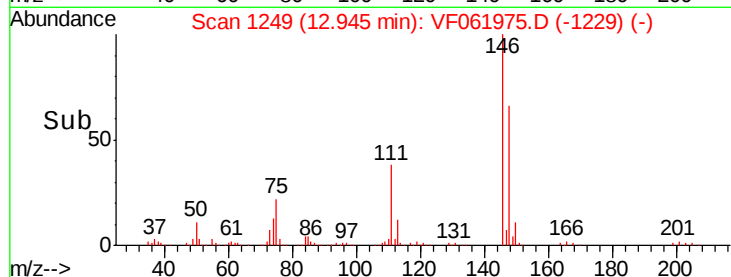
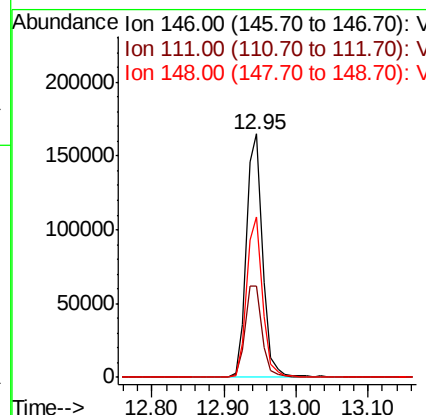
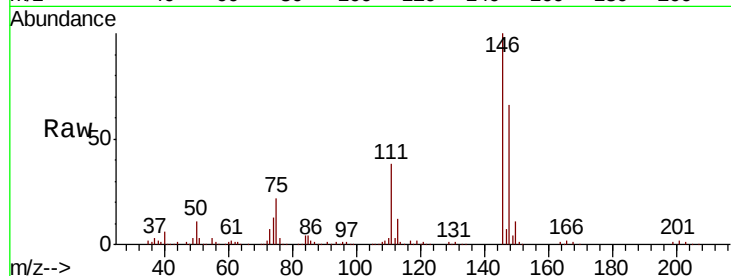




#91
 1,2-Dichlorobenzene
 Concen: 49.972 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VF061975.D
 Acq: 16 Mar 2019 12:08

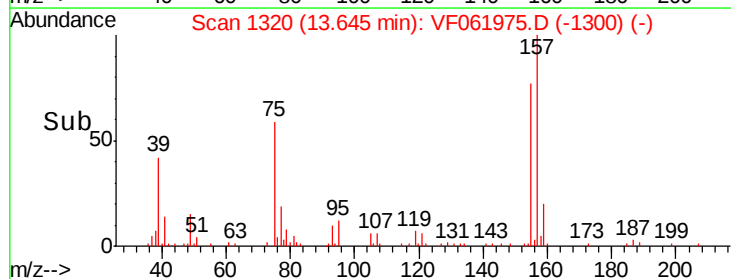
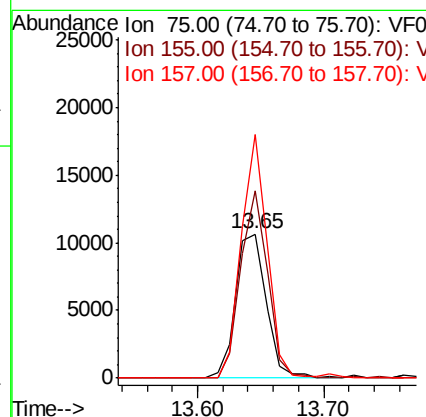
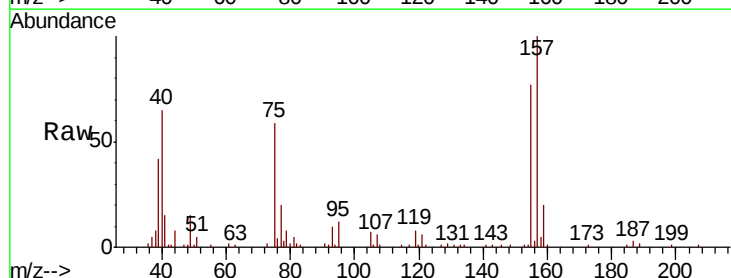
Instrument :
 MSVOA_F
 ClientSampled :

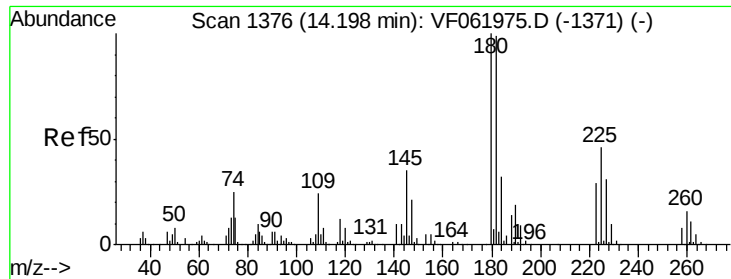
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.5
148	65.7	32.9	98.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.392 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VF061975.D
 Acq: 16 Mar 2019 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	130.1	65.0	195.1
157	169.3	84.7	254.0





#93

1,2,4-Trichlorobenzene

Concen: 51.362 ug/l

RT: 14.20 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

ClientSampleId :

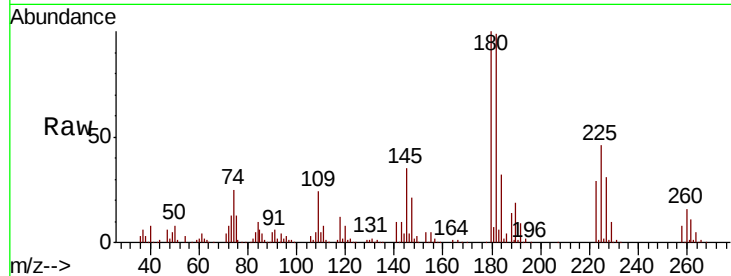
Tot Ion:180 Resp: 186482

Ion Ratio Lower Upper

180 100

182 99.3 49.6 149.0

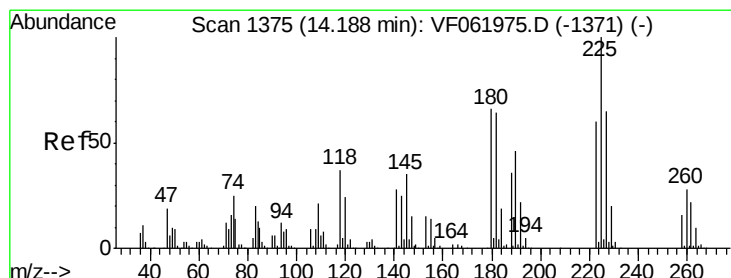
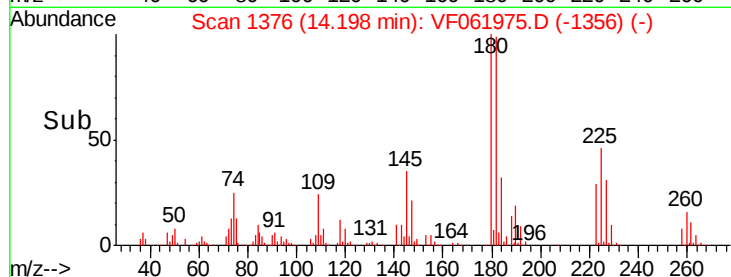
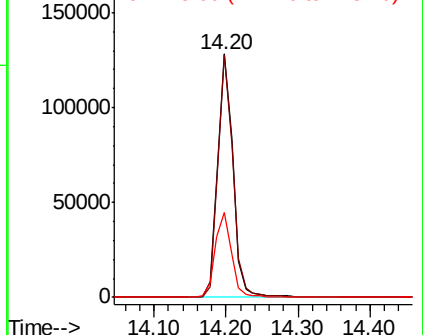
145 35.0 17.5 52.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 52.893 ug/l

RT: 14.19 min Scan# 1375

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

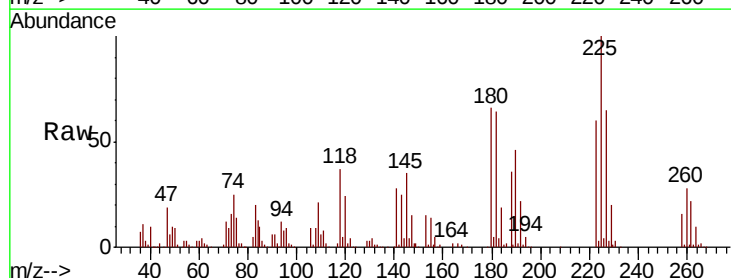
Tgt Ion:225 Resp: 127490

Ion Ratio Lower Upper

225 100

223 59.8 29.9 89.7

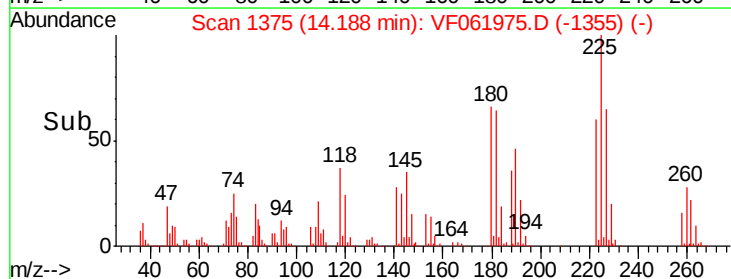
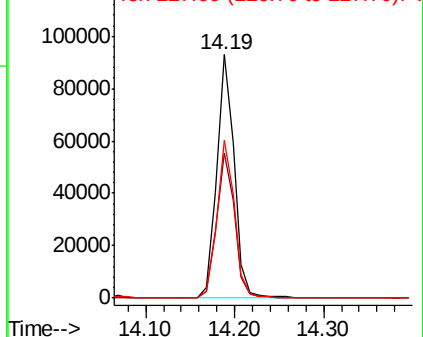
227 64.8 32.4 97.2

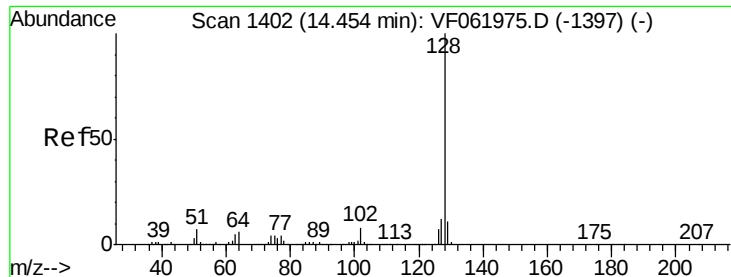


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 53.828 ug/l

RT: 14.45 min Scan# 1402

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

ClientSampleId :

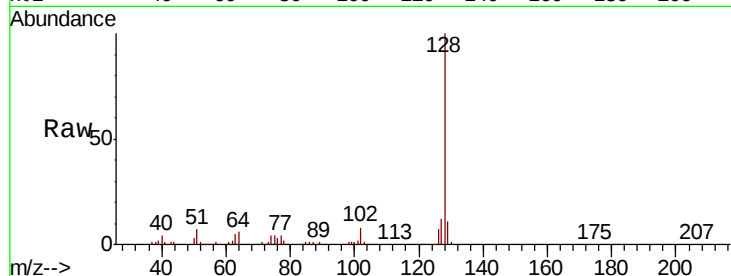
Tot Ion:128 Resp: 351494

Ion Ratio Lower Upper

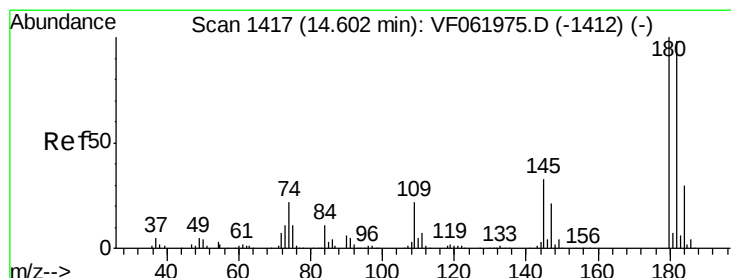
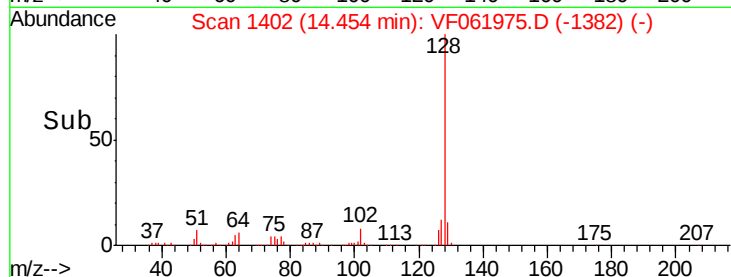
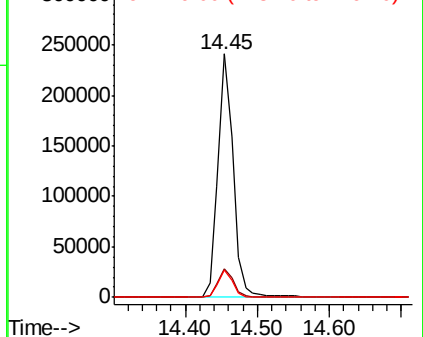
128 100

127 11.6 9.3 13.9

129 11.4 9.1 13.7



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



#96

1,2,3-Trichlorobenzene

Concen: 53.526 ug/l

RT: 14.60 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

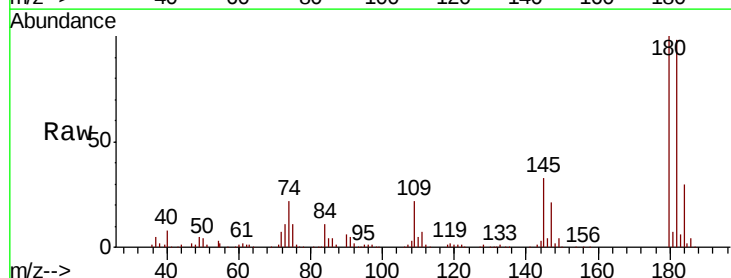
Tgt Ion:180 Resp: 178792

Ion Ratio Lower Upper

180 100

182 97.9 48.9 146.8

145 33.4 16.7 50.1



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

