

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF032019\
 Data File : VF062032.D
 Acq On : 20 Mar 2019 10:28
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 21 15:24:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	279733	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.57	114	420235	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	362761	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.53	152	192696	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.81	65	84050	41.74	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	83.48%	
35) Dibromofluoromethane	4.08	113	131437	46.58	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	93.16%	
50) Toluene-d8	7.52	98	364690	44.21	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	88.42%	
62) 4-Bromofluorobenzene	11.39	95	148941	45.45	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	90.90%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.96	85	121522	40.751 ug/l	99
3) Chloromethane	1.11	50	126443	41.724 ug/l #	89
4) Vinyl Chloride	1.14	62	129872	44.311 ug/l	99
5) Bromomethane	1.32	94	92179	44.770 ug/l	96
6) Chloroethane	1.37	64	65946	43.585 ug/l	94
7) Trichlorofluoromethane	1.48	101	174957	45.058 ug/l	90
8) Diethyl Ether	1.62	74	37561	43.514 ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.82	101	123374	45.097 ug/l	93
10) Methyl Iodide	1.88	142	163932	34.237 ug/l	95
11) Tert butyl alcohol	2.56	59	22540	182.931 ug/l #	93
12) 1,1-Dichloroethene	1.78	96	101879	43.152 ug/l	95
13) Acrolein	1.99	56	22273	167.447 ug/l	91
14) Allyl chloride	2.08	41	147540	48.956 ug/l	93
15) Acrylonitrile	2.92	53	79316	211.683 ug/l	98
16) Acetone	2.23	43	130341	288.258 ug/l	96
17) Carbon Disulfide	1.76	76	48410	7.090 ug/l	99
18) Methyl Acetate	2.42	43	42620	46.072 ug/l #	85
19) Methyl tert-butyl Ether	2.42	73	180870	42.278 ug/l	98
20) Methylene Chloride	2.17	84	37363	16.050 ug/l #	89
21) trans-1,2-Dichloroethene	2.30	96	107992	43.831 ug/l	97
22) Diisopropyl ether	2.78	45	300193	41.411 ug/l	98
23) Vinyl Acetate	3.17	43	625252	218.799 ug/l	97
24) 1,1-Dichloroethane	2.85	63	181363	43.028 ug/l	99
25) 2-Butanone	4.31	43	189405	211.506 ug/l	95
26) 2,2-Dichloropropane	3.57	77	89164	44.847 ug/l	95
27) cis-1,2-Dichloroethene	3.45	96	133795	43.085 ug/l	100
28) Bromochloromethane	3.70	49	82448	47.141 ug/l	94
29) Tetrahydrofuran	4.04	42	79144	203.220 ug/l	95
30) Chloroform	3.84	83	204188	42.755 ug/l	95
31) Cyclohexane	3.68	56	172821	41.849 ug/l	98
32) 1,1,1-Trichloroethane	4.07	97	152534	48.093 ug/l	96
36) 1,1-Dichloropropene	4.25	75	162943	42.937 ug/l	96
37) Ethyl Acetate	4.08	43	64353	37.767 ug/l	87
38) Carbon Tetrachloride	3.97	117	131799	47.522 ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	184149	41.334	ug/l	95
40) Benzene	4.61	78	426638	42.428	ug/l	99
41) Methacrylonitrile	4.71	41	38134	41.888	ug/l	94
42) 1,2-Dichloroethane	4.92	62	111966	44.729	ug/l	98
43) Isopropyl Acetate	6.93	43	80842	40.099	ug/l	96
44) Trichloroethene	5.47	130	133445	43.321	ug/l	99
45) 1,2-Dichloropropane	6.21	63	105196	44.205	ug/l	98
46) Dibromomethane	6.06	93	64728	45.723	ug/l	94
47) Bromodichloromethane	6.36	83	144850	43.400	ug/l #	98
48) Methyl methacrylate	6.70	41	51398	39.447	ug/l	88
49) 1,4-Dioxane	6.69	88	9040	779.991	ug/l #	82
51) 4-Methyl-2-Pentanone	8.23	43	289119	201.951	ug/l	97
52) Toluene	7.59	92	258797	42.122	ug/l	98
53) t-1,3-Dichloropropene	8.25	75	120609	42.804	ug/l	99
54) cis-1,3-Dichloropropene	7.28	75	154218	41.946	ug/l	97
55) 1,1,2-Trichloroethane	8.47	97	79939	46.617	ug/l	95
56) Ethyl methacrylate	8.60	69	84163	43.176	ug/l	99
57) 1,3-Dichloropropane	8.83	76	127723	44.651	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.27	63	65740	186.194	ug/l	94
59) 2-Hexanone	9.47	43	228932	220.960	ug/l	99
60) Dibromochloromethane	8.69	129	111139	46.686	ug/l	95
61) 1,2-Dibromoethane	8.96	107	79275	43.099	ug/l	97
64) Tetrachloroethene	8.13	164	118239	44.840	ug/l	95
65) Chlorobenzene	9.77	112	297304	44.019	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.90	131	121024	46.228	ug/l	97
67) Ethyl Benzene	9.87	91	481962	41.677	ug/l	100
68) m/p-Xylenes	10.11	106	365899	84.126	ug/l	100
69) o-Xylene	10.69	106	193515	41.580	ug/l	98
70) Styrene	10.77	104	294175	45.625	ug/l	97
71) Bromoform	10.75	173	60904	45.993	ug/l #	98
73) Isopropylbenzene	11.10	105	595680	44.746	ug/l	100
74) N-amyl acetate	11.35	43	130740	42.860	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	95807	43.600	ug/l	93
76) 1,2,3-Trichloropropane	11.77	75	64995	42.299	ug/l	95
77) Bromobenzene	11.48	156	135771	44.039	ug/l	96
78) n-propylbenzene	11.58	91	642742	41.989	ug/l	99
79) 2-Chlorotoluene	11.70	91	382772	44.300	ug/l	98
80) 1,3,5-Trimethylbenzene	11.80	105	456577	42.458	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	39424	57.998	ug/l #	85
82) 4-Chlorotoluene	11.88	91	378803	43.353	ug/l	99
83) tert-Butylbenzene	12.11	119	513145	45.627	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	466341	43.295	ug/l	99
85) sec-Butylbenzene	12.29	105	675445	44.452	ug/l	98
86) p-Isopropyltoluene	12.45	119	575135	45.361	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	272551	44.981	ug/l	95
88) 1,4-Dichlorobenzene	12.54	146	257074	44.079	ug/l	98
89) n-Butylbenzene	12.83	91	541566	45.456	ug/l	99
90) Hexachloroethane	12.90	117	139483	48.205	ug/l	99
91) 1,2-Dichlorobenzene	12.93	146	259633	46.264	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	14608	41.427	ug/l	96

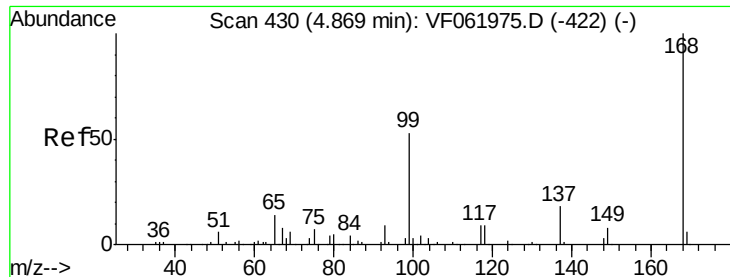
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	181470	46.436	ug/l	97
94) Hexachlorobutadiene	14.17	225	118347	45.616	ug/l	98
95) Naphthalene	14.44	128	296246	42.148	ug/l	100
96) 1,2,3-Trichlorobenzene	14.59	180	168971	46.997	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.03 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

Instrument :

MSVOA_F

ClientSampleId :

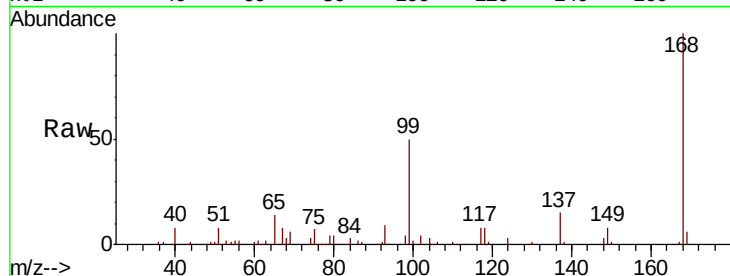
VSTDCCC050

Tgt Ion:168 Resp: 279733

Ion Ratio Lower Upper

168 100

99 49.8 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

100000

80000

60000

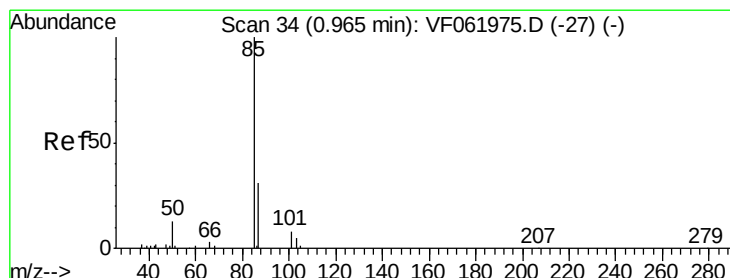
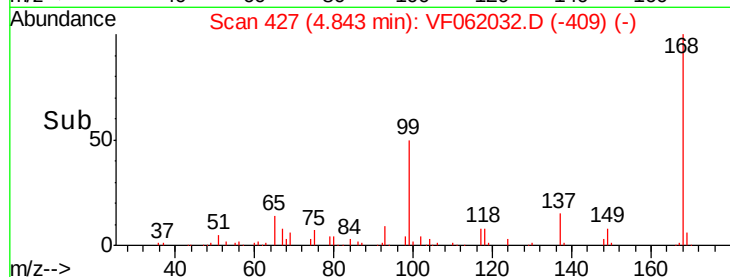
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 40.751 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF062032.D

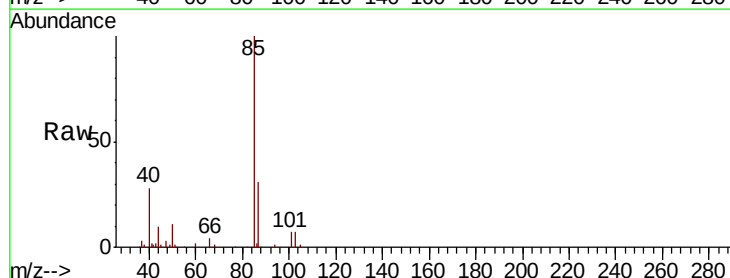
Acq: 20 Mar 2019 10:28

Tgt Ion: 85 Resp: 121522

Ion Ratio Lower Upper

85 100

87 31.4 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

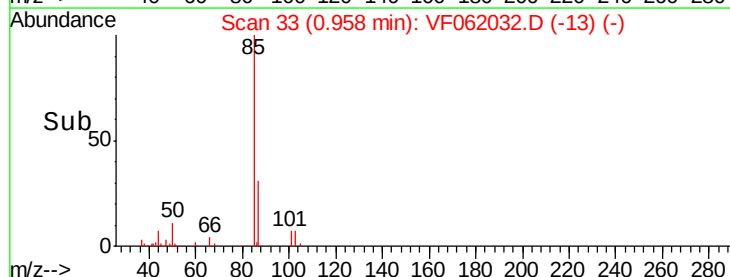
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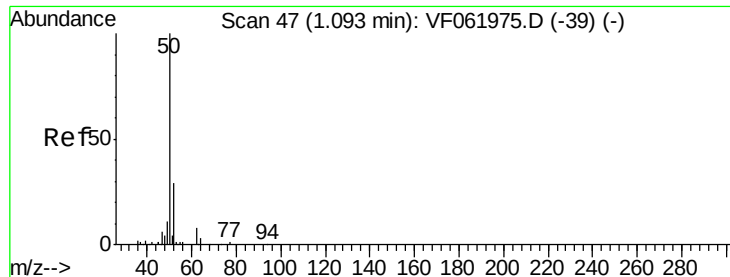
10000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 41.724 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

Instrument :

MSVOA_F

ClientSampleId :

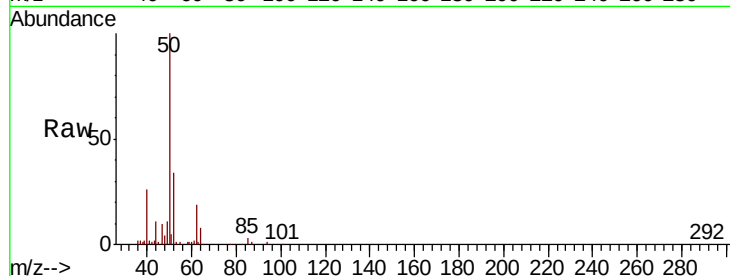
VSTDCCC050

Tgt Ion: 50 Resp: 126443

Ion Ratio Lower Upper

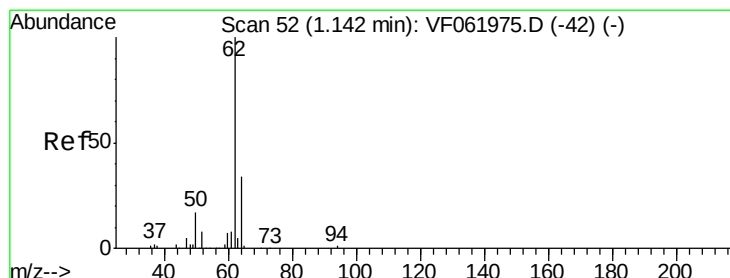
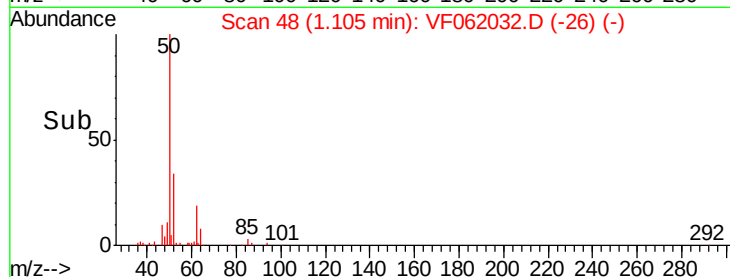
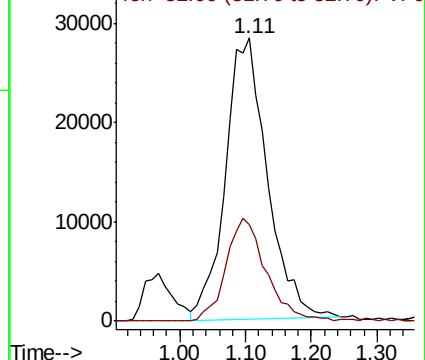
50 100

52 34.1 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: 44.311 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF062032.D

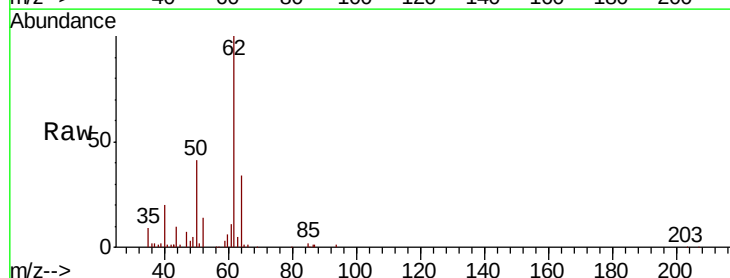
Acq: 20 Mar 2019 10:28

Tgt Ion: 62 Resp: 129872

Ion Ratio Lower Upper

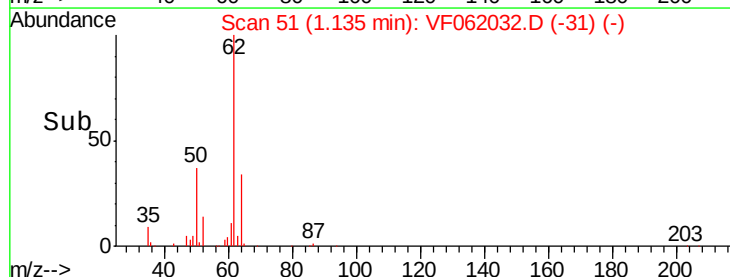
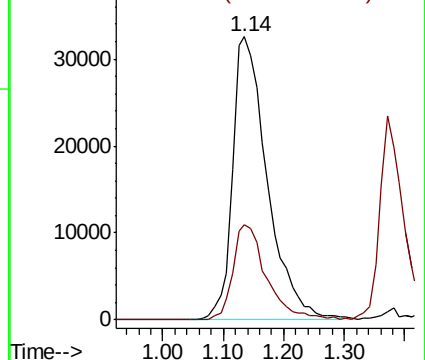
62 100

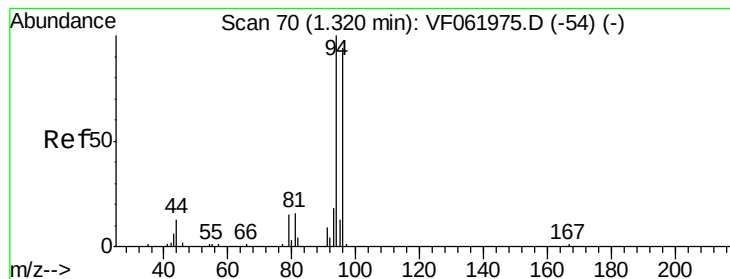
64 33.7 27.4 41.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 44.770 ug/l

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

Instrument :

MSVOA_F

ClientSampleId :

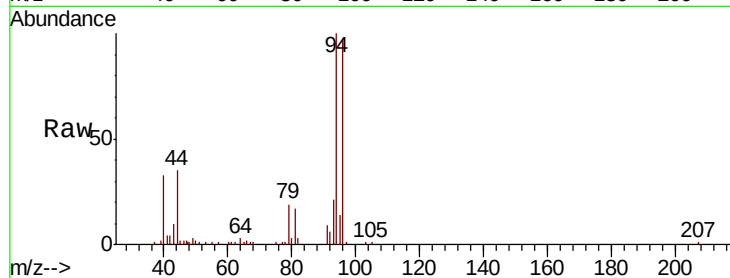
VSTDCCC050

Tgt Ion: 94 Resp: 92179

Ion Ratio Lower Upper

94 100

96 97.4 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

20000

15000

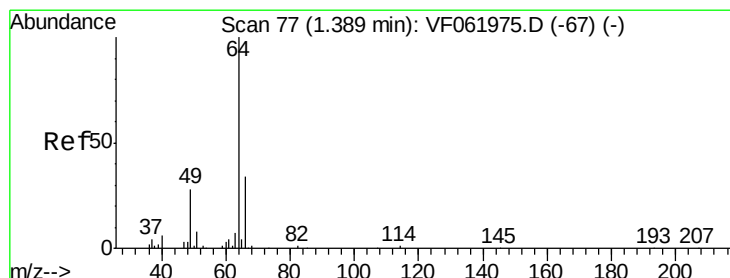
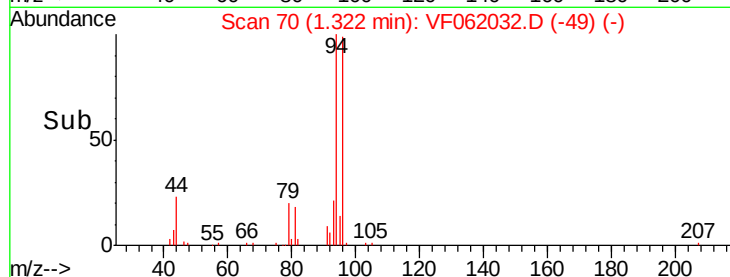
10000

5000

0

1.20 1.30 1.40 1.50

Time-->



#6

Chloroethane

Concen: 43.585 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF062032.D

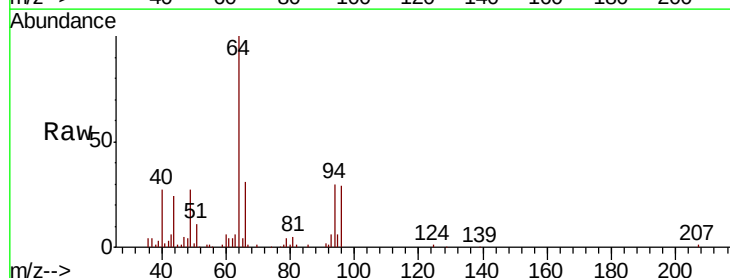
Acq: 20 Mar 2019 10:28

Tgt Ion: 64 Resp: 65946

Ion Ratio Lower Upper

64 100

66 30.9 27.6 41.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

25000

20000

15000

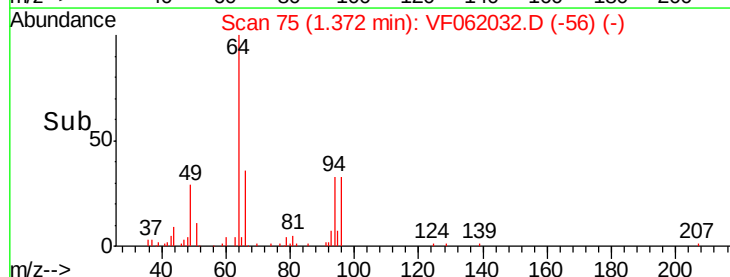
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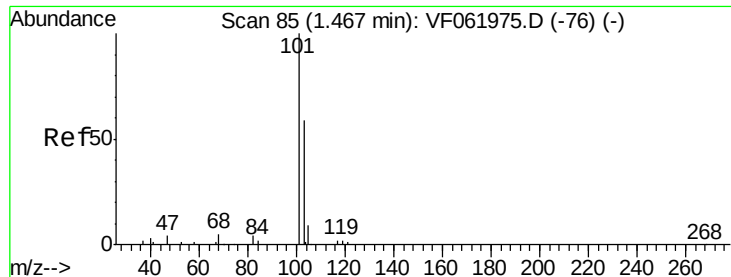
5000

0

1.20 1.30 1.40 1.50 1.60

Time-->





#7

Trichlorofluoromethane

Concen: 45.058 ug/l

RT: 1.48 min Scan# 86

Delta R.T. 0.01 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

Instrument :

MSVOA_F

ClientSampleId :

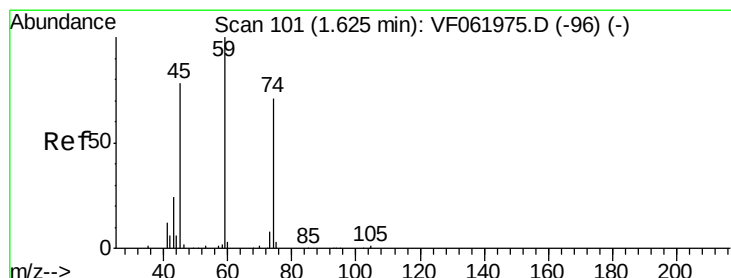
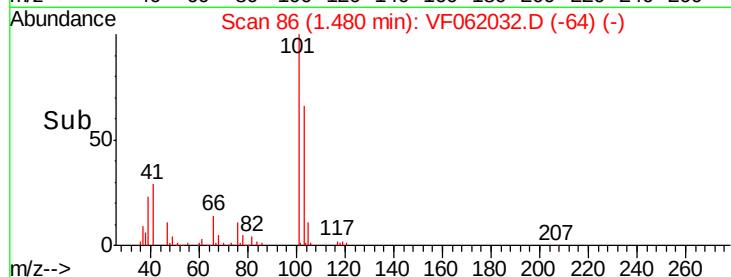
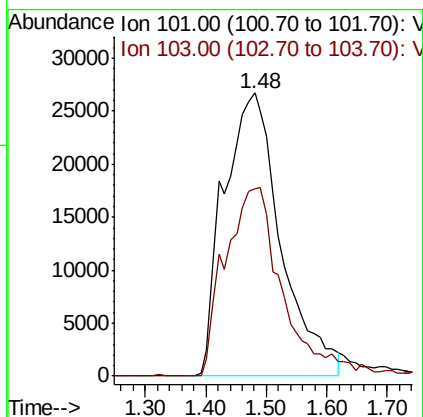
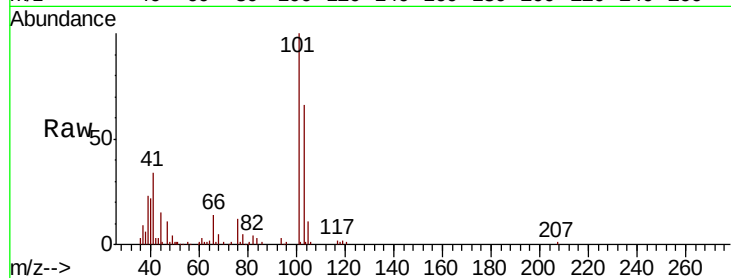
VSTDCCC050

Tgt Ion:101 Resp: 174957

Ion Ratio Lower Upper

101 100

103 66.3 47.3 70.9



#8

Diethyl Ether

Concen: 43.514 ug/l

RT: 1.62 min Scan# 100

Delta R.T. -0.01 min

Lab File: VF062032.D

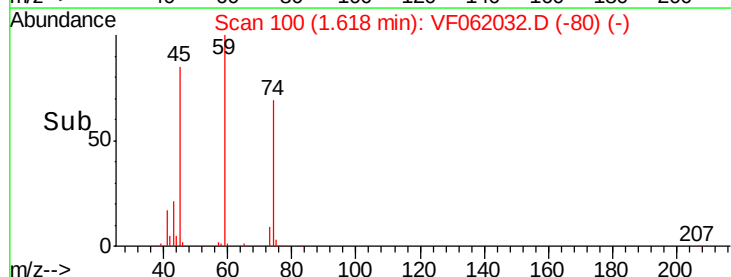
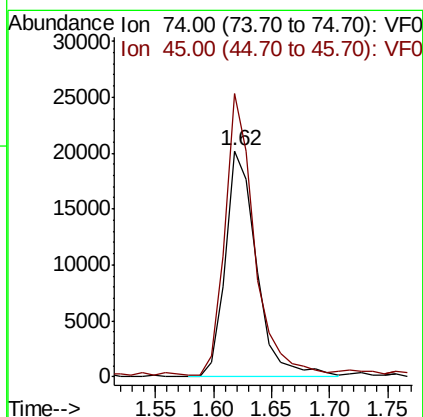
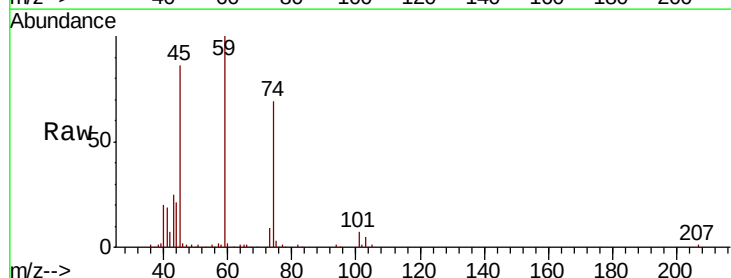
Acq: 20 Mar 2019 10:28

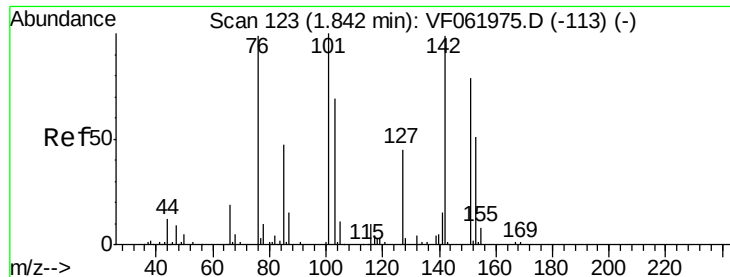
Tgt Ion: 74 Resp: 37561

Ion Ratio Lower Upper

74 100

45 125.1 56.3 168.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.097 ug/l

RT: 1.82 min Scan# 120

Delta R.T. -0.03 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

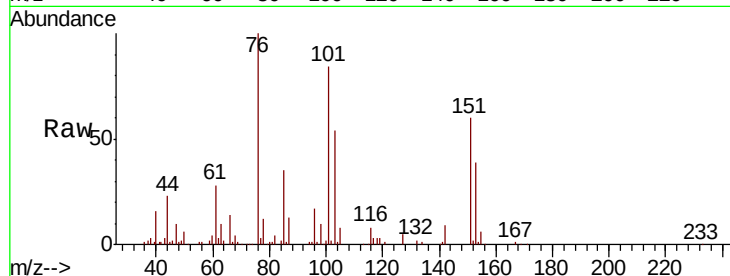
Tgt Ion:101 Resp: 123374

Ion Ratio Lower Upper

101 100

85 41.8 36.8 55.2

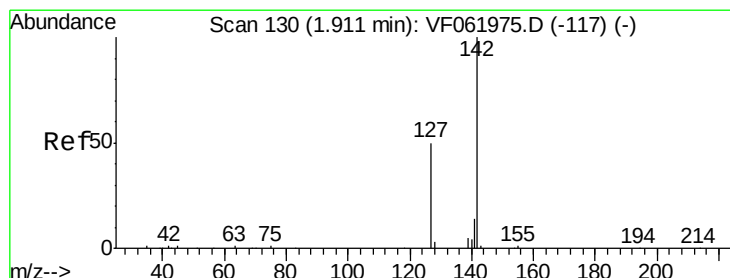
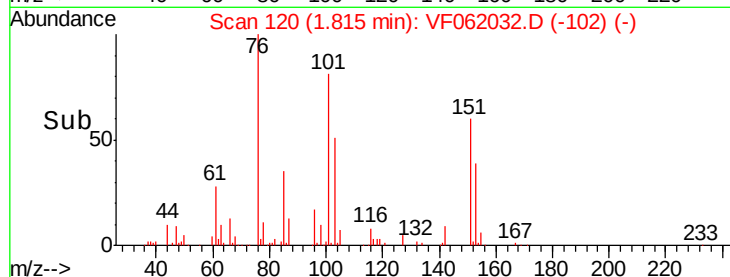
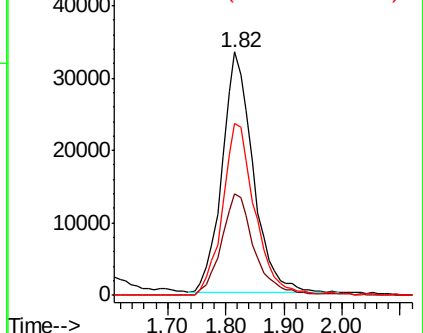
151 70.8 62.2 93.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 34.237 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.03 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

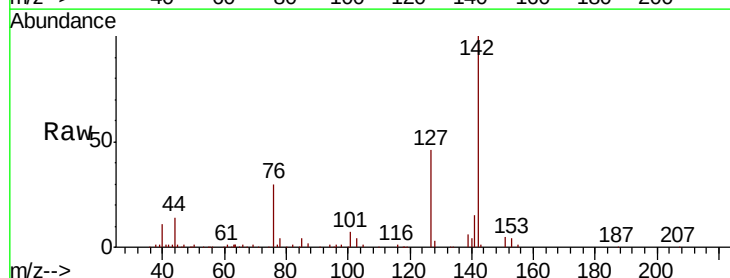
Tgt Ion:142 Resp: 163932

Ion Ratio Lower Upper

142 100

127 45.9 39.7 59.5

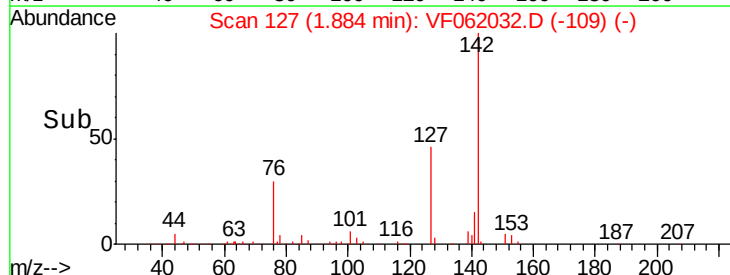
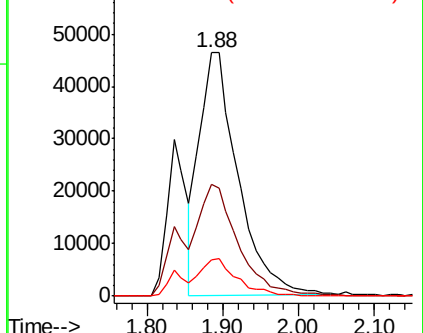
141 15.1 10.8 16.2

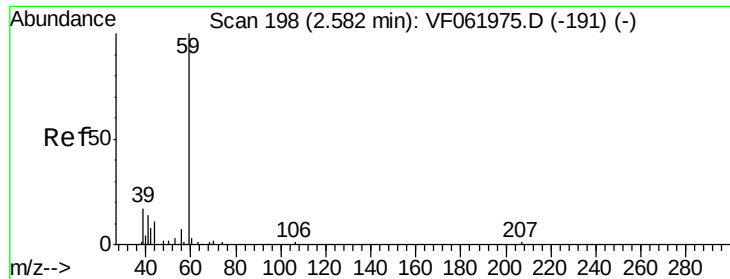


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

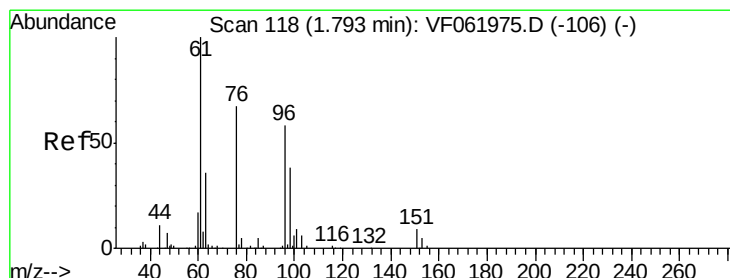
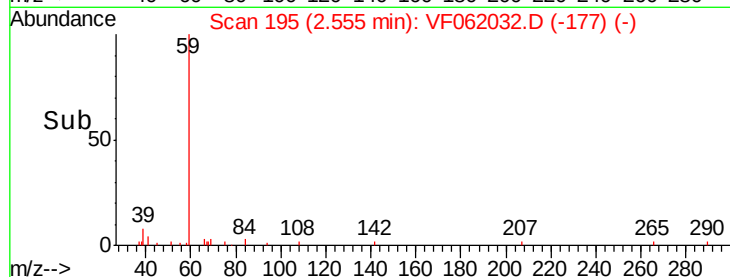
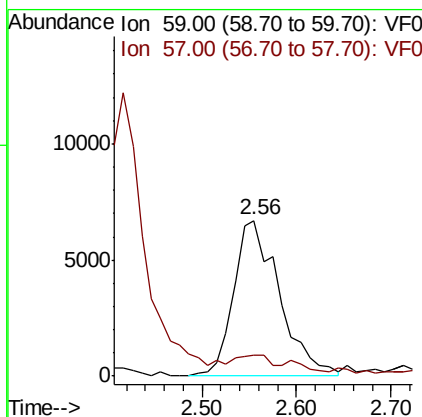
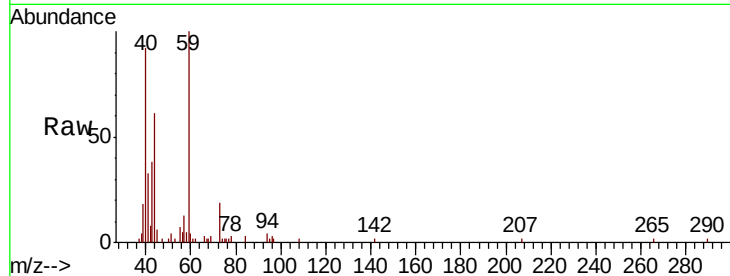




#11
Tert butyl alcohol
Concen: 182.931 ug/l
RT: 2.56 min Scan# 195
Delta R.T. -0.03 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

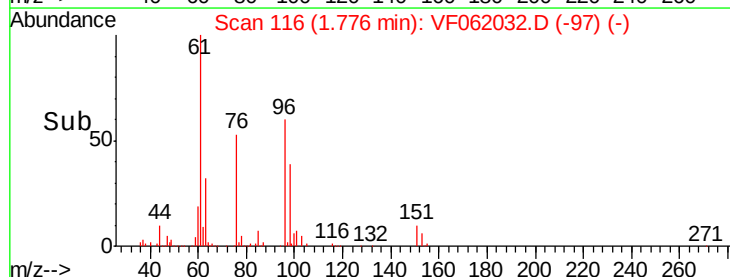
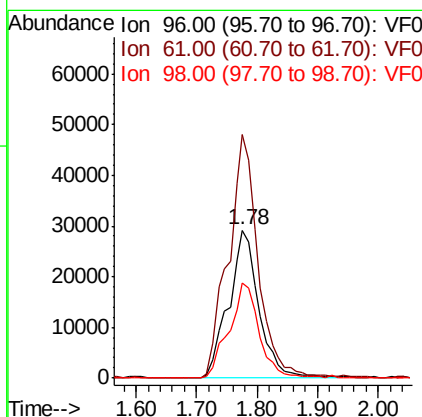
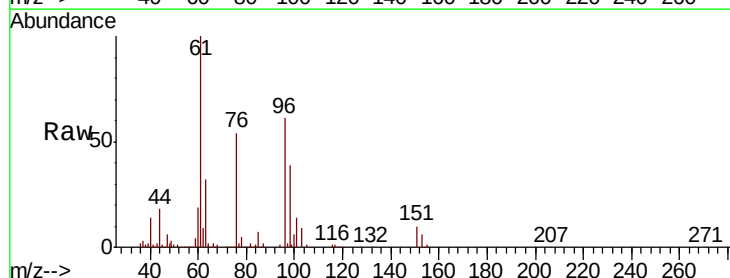
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

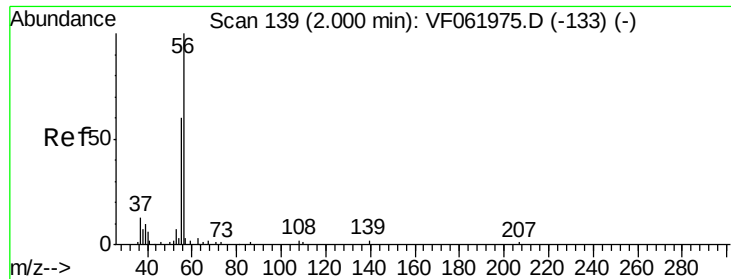
Tgt Ion: 59 Resp: 22540
Ion Ratio Lower Upper
59 100
57 13.5 8.7 13.1#



#12
1,1-Dichloroethene
Concen: 43.152 ug/l
RT: 1.78 min Scan# 116
Delta R.T. -0.02 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

Tgt Ion: 96 Resp: 101879
Ion Ratio Lower Upper
96 100
61 165.0 138.6 208.0
98 64.5 53.2 79.8

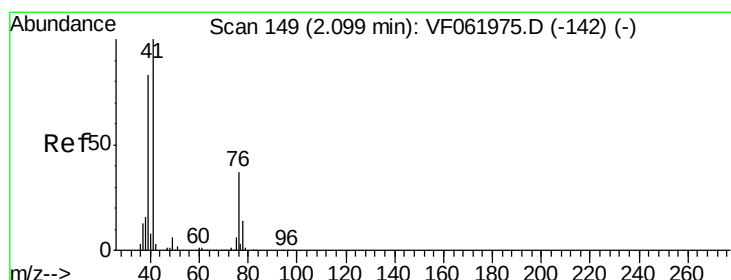
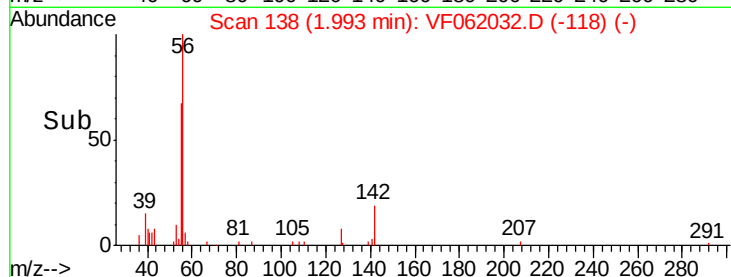
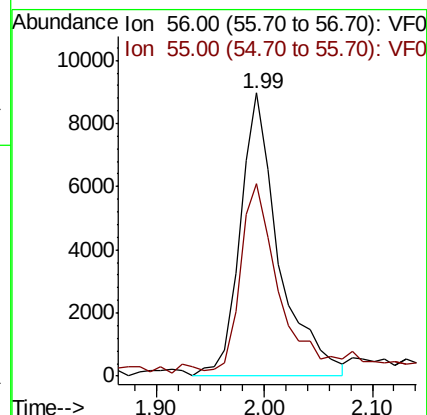
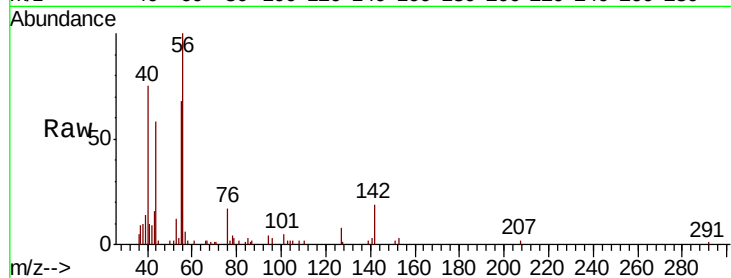




#13
Acrolein
Concen: 167.447 ug/l
RT: 1.99 min Scan# 138
Delta R.T. -0.01 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

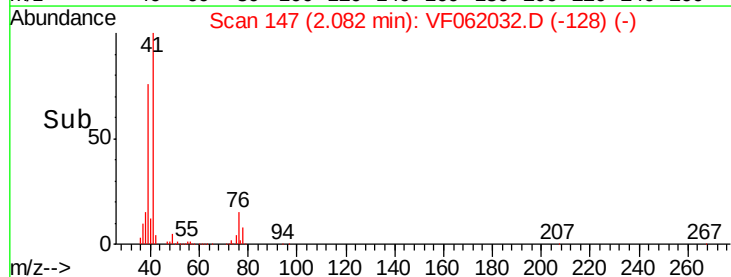
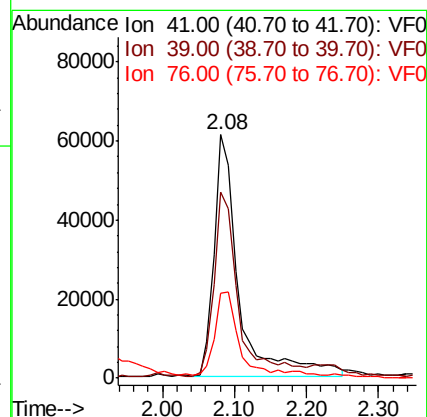
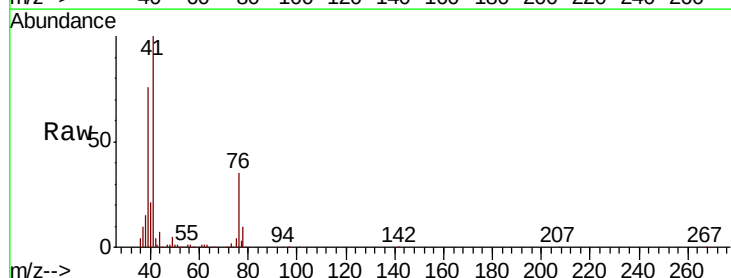
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

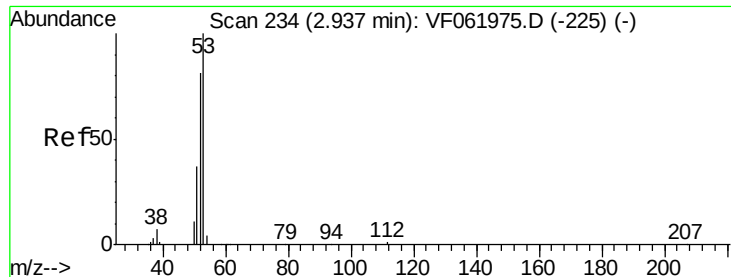
Tgt Ion: 56 Resp: 22273
Ion Ratio Lower Upper
56 100
55 68.0 49.1 73.7



#14
Allyl chloride
Concen: 48.956 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.02 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

Tgt Ion: 41 Resp: 147540
Ion Ratio Lower Upper
41 100
39 76.5 66.8 100.2
76 34.7 31.1 46.7





#15

Acrylonitrile

Concen: 211.683 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.02 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

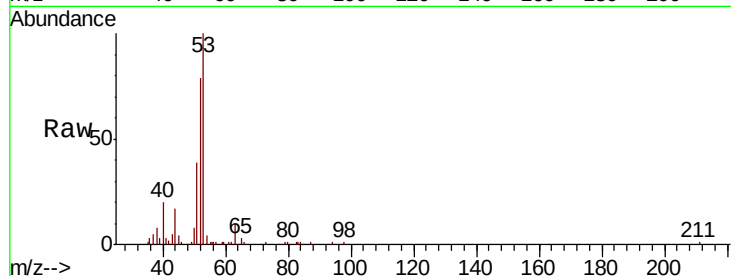
Tgt Ion: 53 Resp: 79316

Ion Ratio Lower Upper

53 100

52 78.8 64.4 96.6

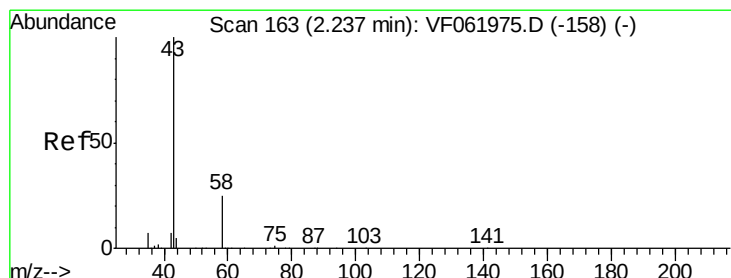
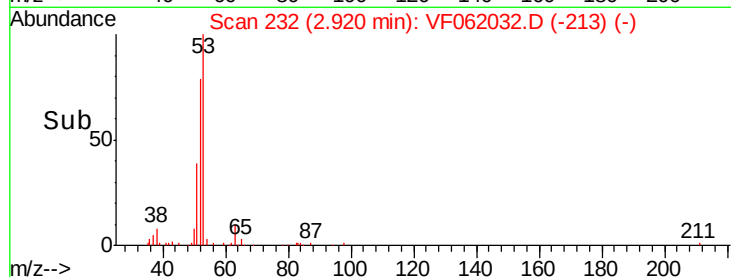
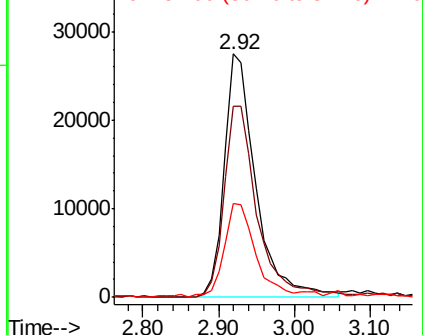
51 38.6 30.3 45.5



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 288.258 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF062032.D

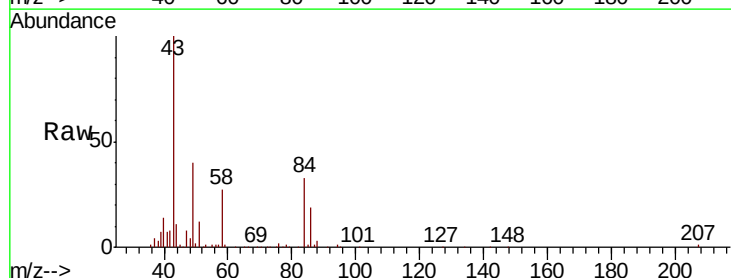
Acq: 20 Mar 2019 10:28

Tgt Ion: 43 Resp: 130341

Ion Ratio Lower Upper

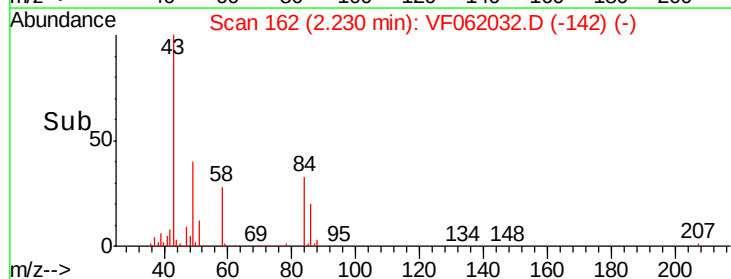
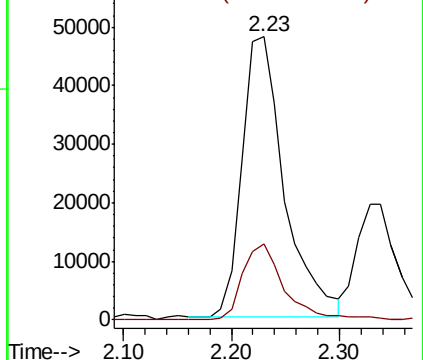
43 100

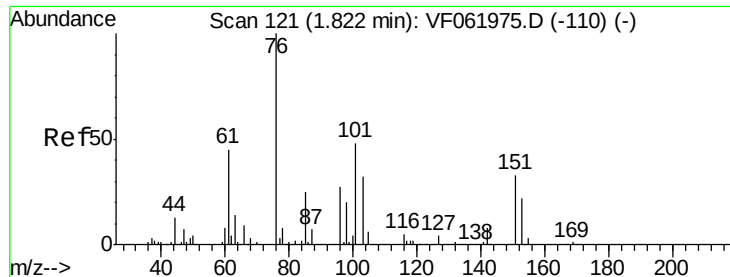
58 27.0 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

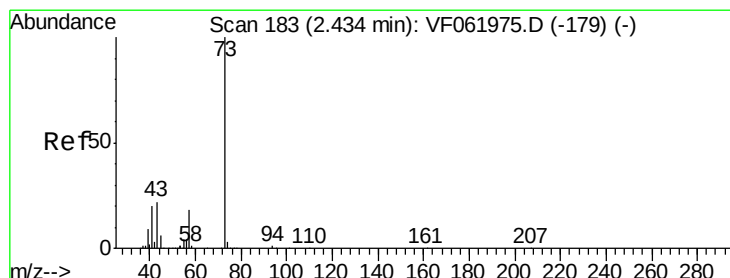
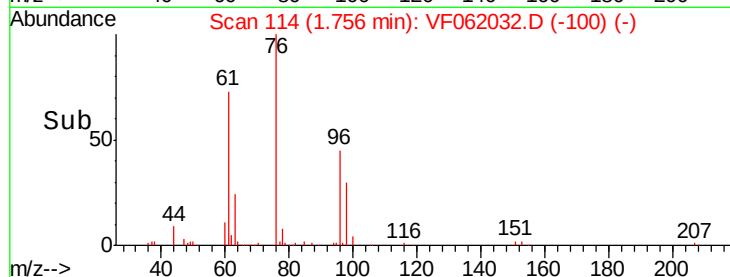
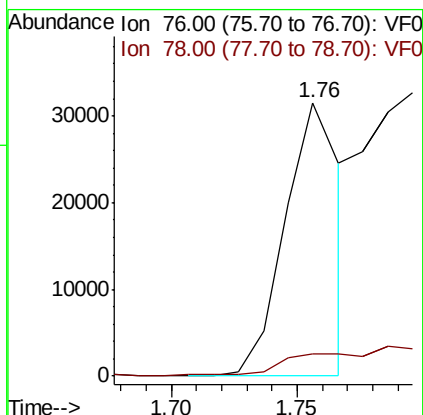
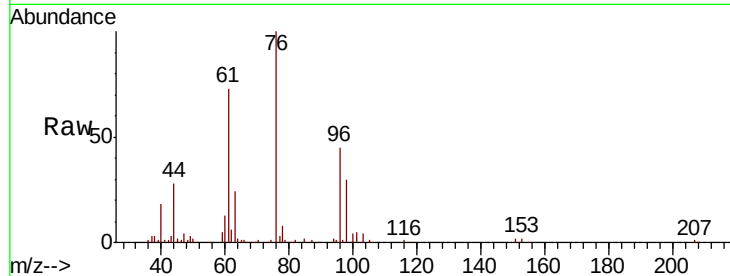




#17
Carbon Disulfide
Concen: 7.090 ug/l
RT: 1.76 min Scan# 114
Delta R.T. -0.07 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

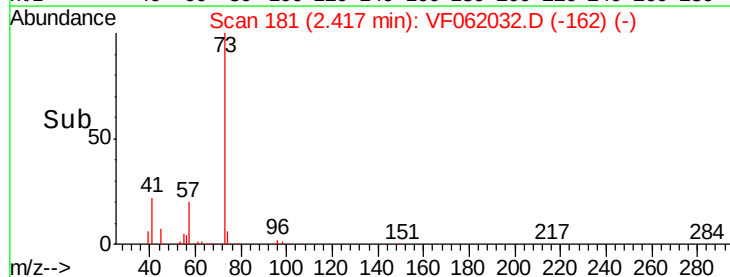
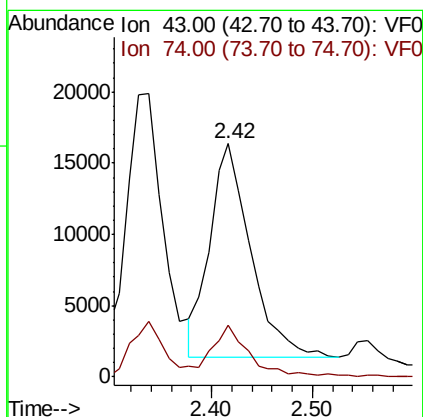
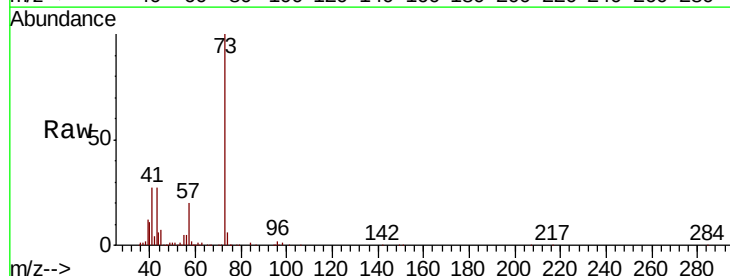
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

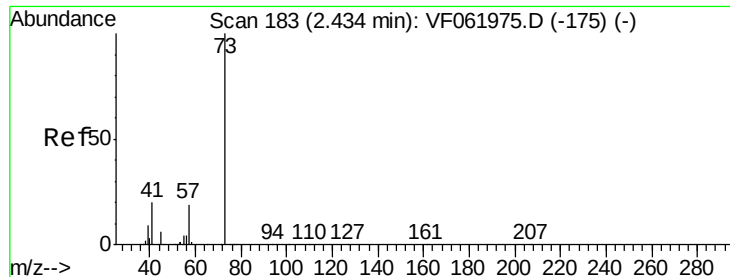
Tgt Ion: 76 Resp: 48410
Ion Ratio Lower Upper
76 100
78 8.0 6.8 10.2



#18
Methyl Acetate
Concen: 46.072 ug/l
RT: 2.42 min Scan# 181
Delta R.T. -0.02 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

Tgt Ion: 43 Resp: 42620
Ion Ratio Lower Upper
43 100
74 22.0 12.6 18.8#

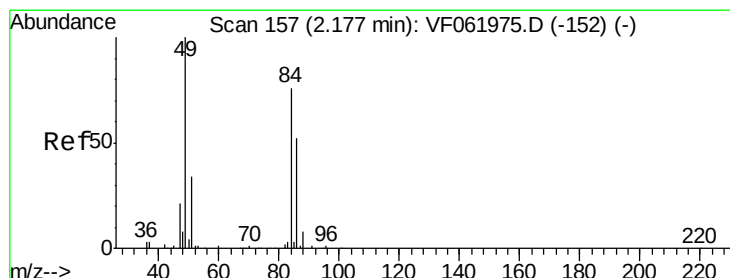
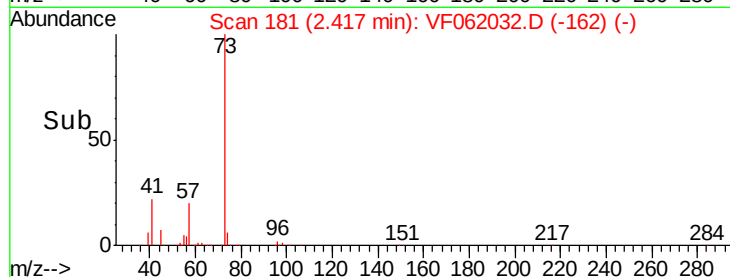
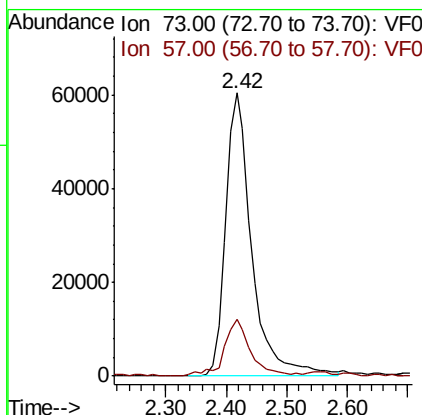
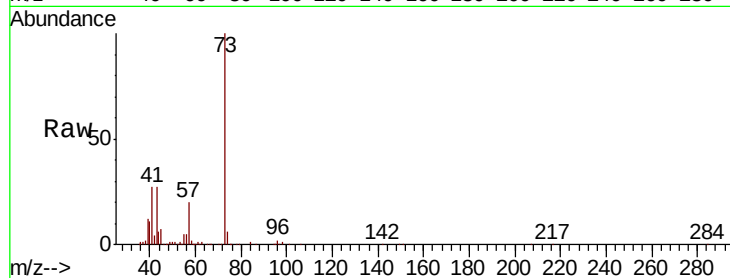




#19
Methyl tert-butyl Ether
Concen: 42.278 ug/l
RT: 2.42 min Scan# 181
Delta R.T. -0.02 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

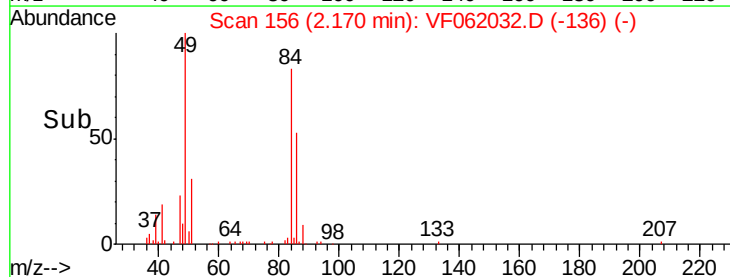
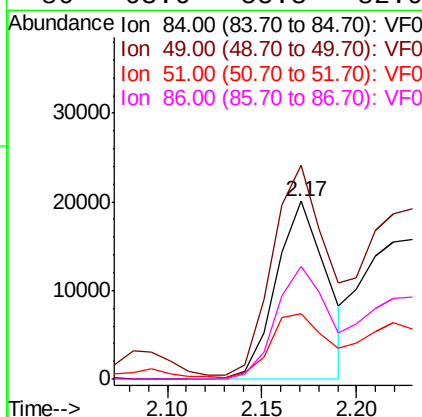
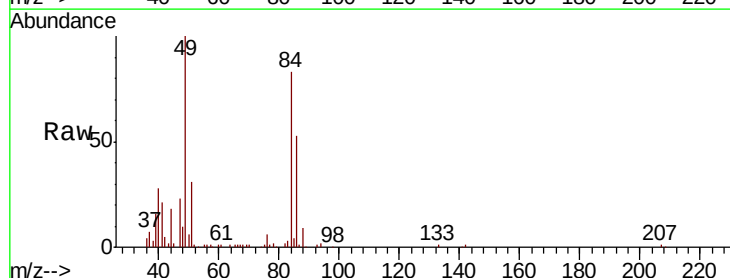
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

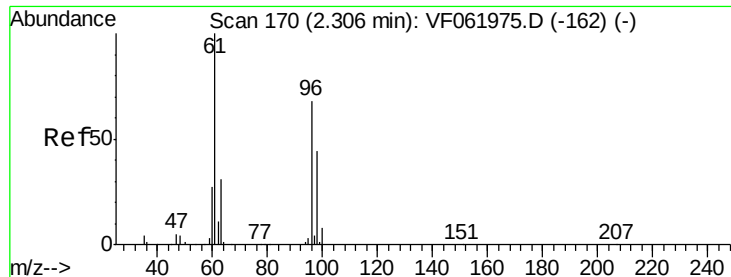
Tgt Ion: 73 Resp: 180870
Ion Ratio Lower Upper
73 100
57 20.2 15.3 22.9



#20
Methylene Chloride
Concen: 16.050 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

Tgt Ion: 84 Resp: 37363
Ion Ratio Lower Upper
84 100
49 120.2 107.0 160.6
51 36.9 37.2 55.8#
86 63.6 55.3 82.9





#21

trans-1,2-Dichloroethene

Concen: 43.831 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

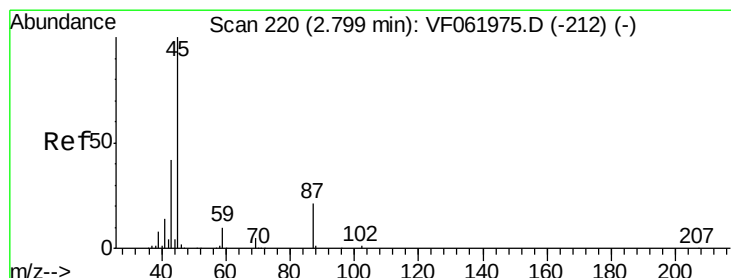
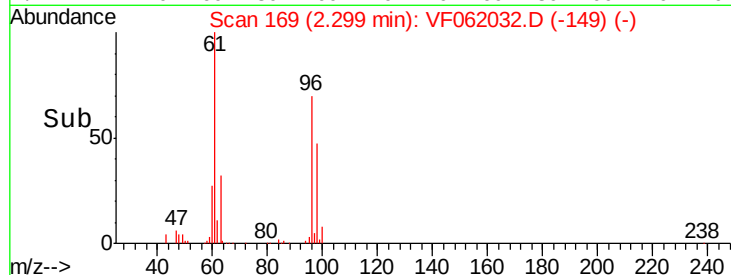
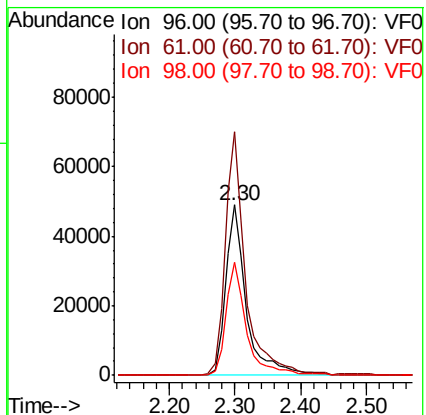
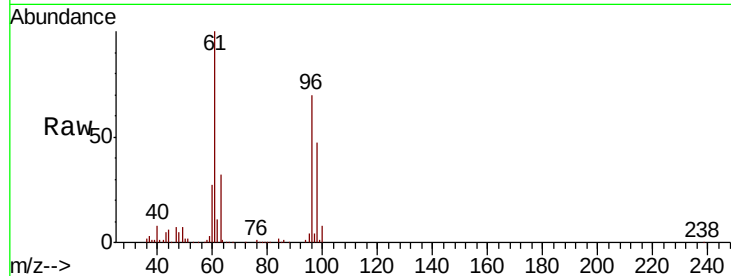
Tgt Ion: 96 Resp: 107992

Ion Ratio Lower Upper

96 100

61 143.1 117.4 176.2

98 66.8 51.2 76.8



#22

Diisopropyl ether

Concen: 41.411 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.02 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

Tgt Ion: 45 Resp: 300193

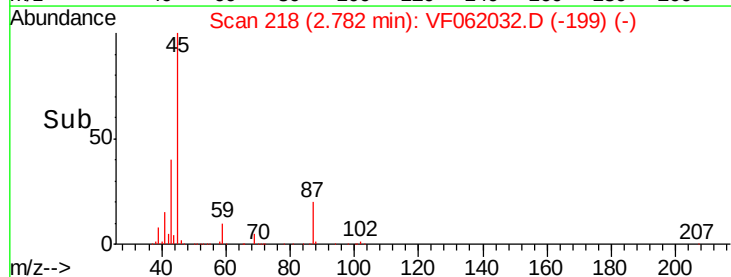
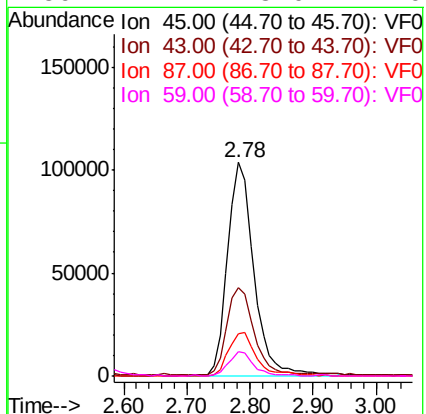
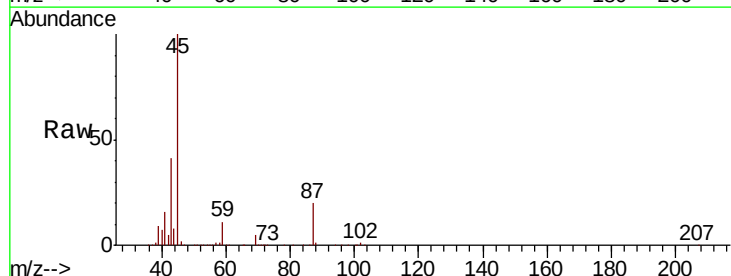
Ion Ratio Lower Upper

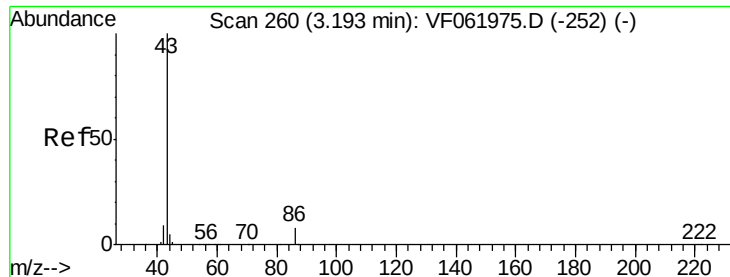
45 100

43 41.2 33.7 50.5

87 20.1 17.1 25.7

59 11.4 8.0 12.0





#23

Vinyl Acetate

Concen: 218.799 ug/l

RT: 3.17 min Scan# 257

Delta R.T. -0.03 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

Instrument :

MSVOA_F

ClientSampleId :

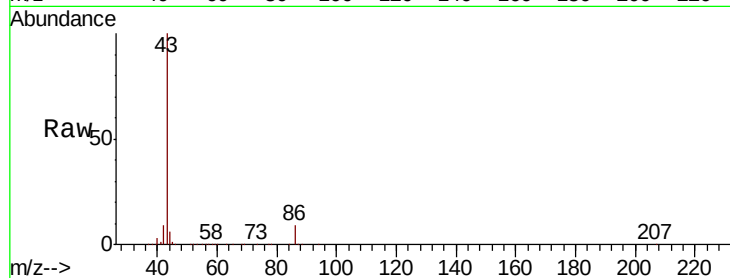
VSTDCCC050

Tgt Ion: 43 Resp: 625252

Ion Ratio Lower Upper

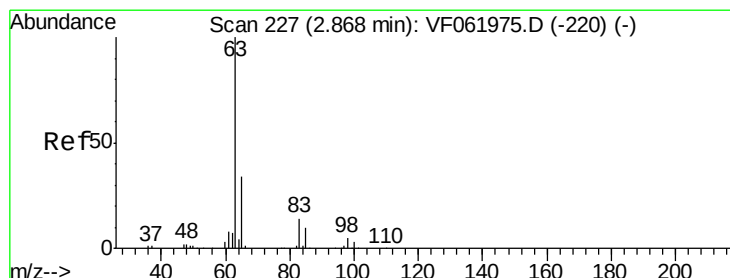
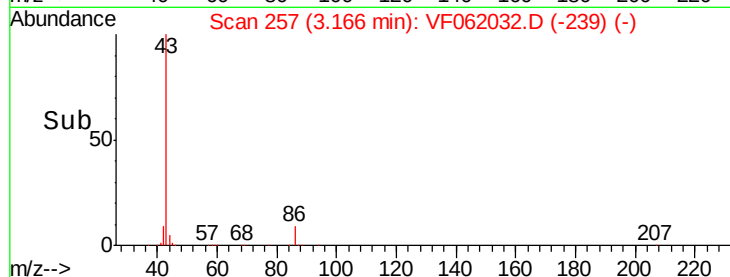
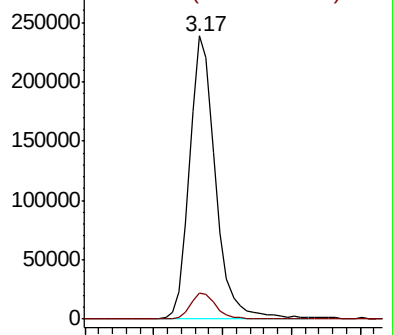
43 100

86 9.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 43.028 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.02 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

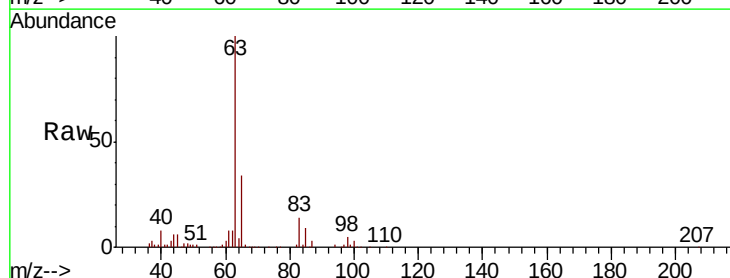
Tgt Ion: 63 Resp: 181363

Ion Ratio Lower Upper

63 100

98 5.2 2.7 8.1

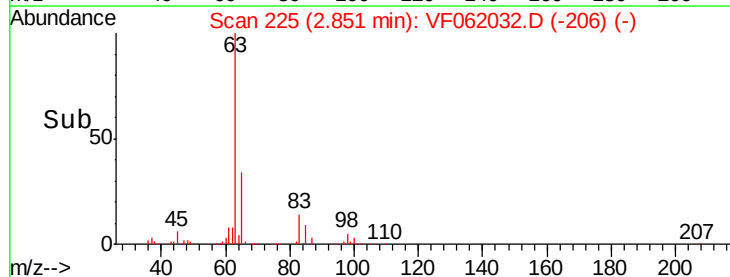
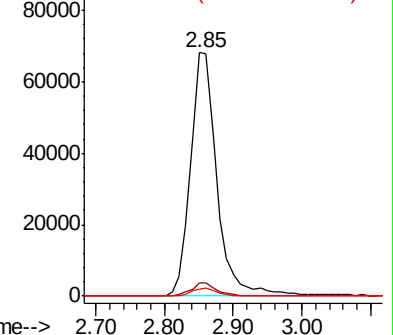
100 2.6 1.7 5.0

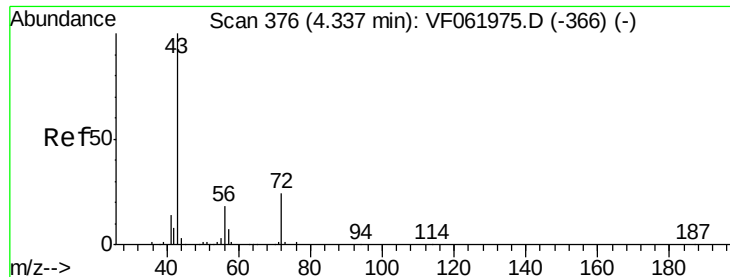


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 211.506 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.03 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

Instrument :

MSVOA_F

ClientSampleId :

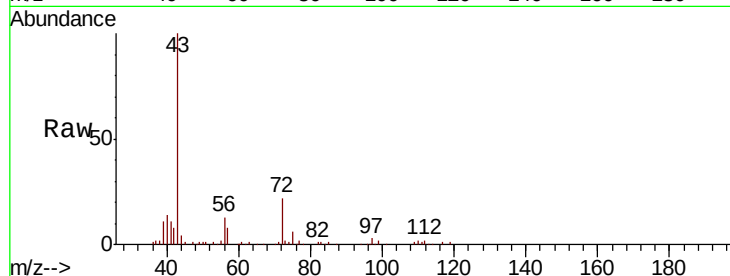
VSTDCCC050

Tgt Ion: 43 Resp: 189405

Ion Ratio Lower Upper

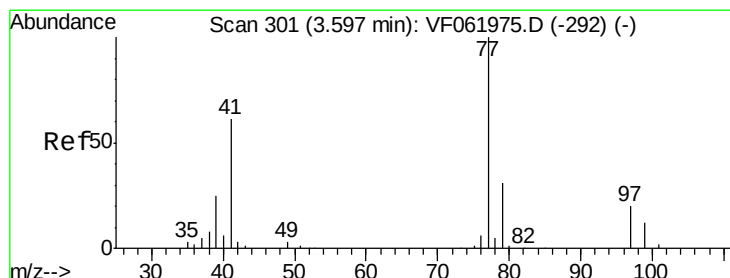
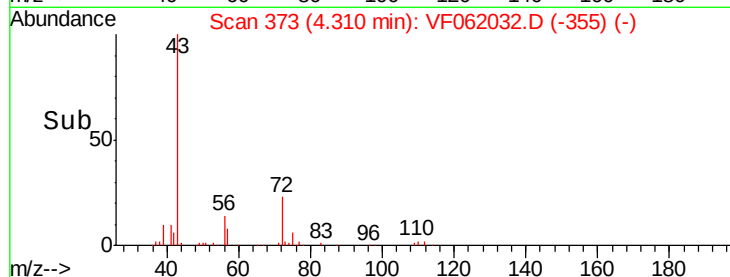
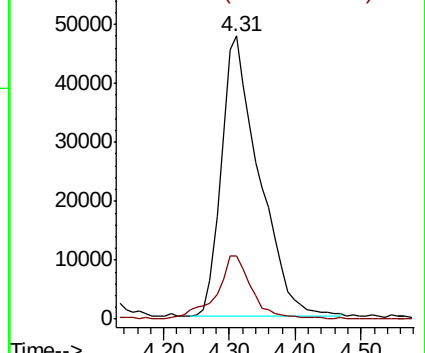
43 100

72 22.4 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 44.847 ug/l

RT: 3.57 min Scan# 298

Delta R.T. -0.03 min

Lab File: VF062032.D

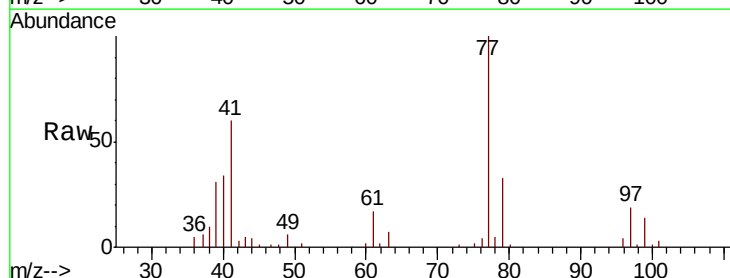
Acq: 20 Mar 2019 10:28

Tgt Ion: 77 Resp: 89164

Ion Ratio Lower Upper

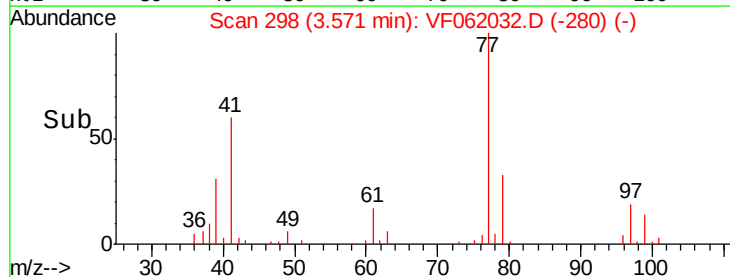
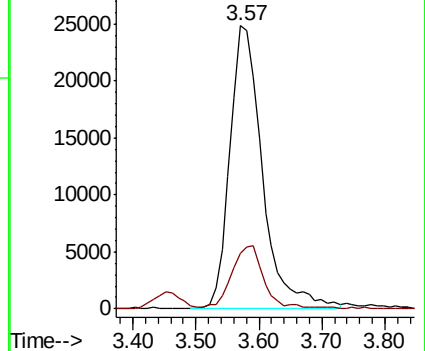
77 100

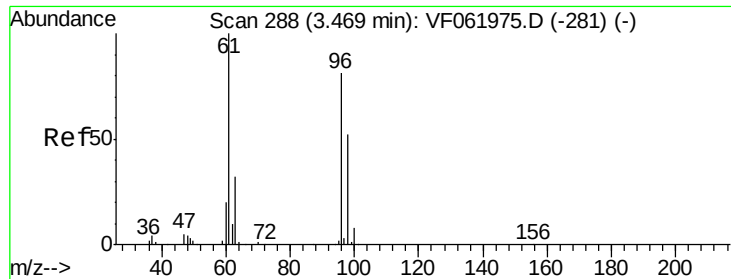
97 19.5 10.8 32.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



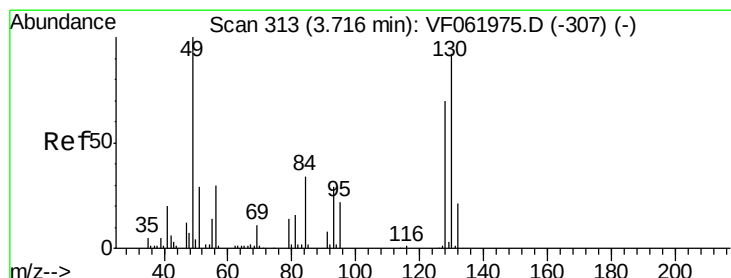
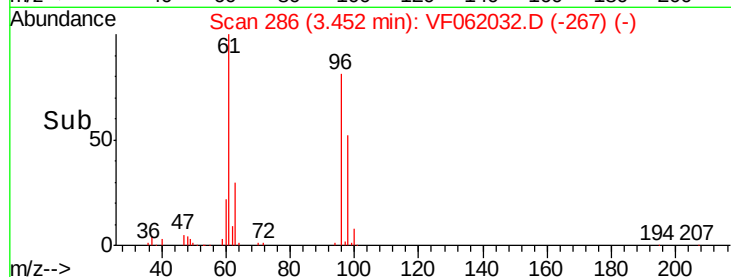
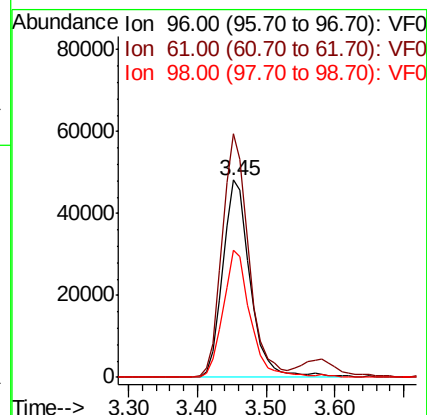
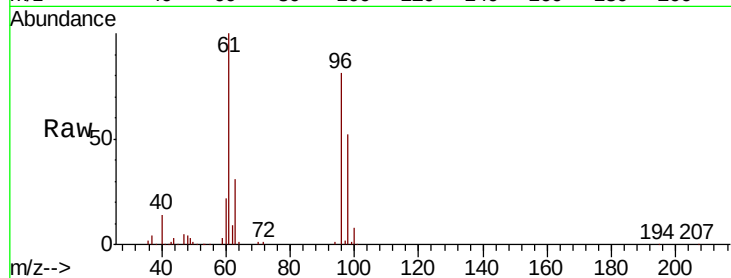


#27

cis-1,2-Dichloroethene
 Concen: 43.085 ug/l
 RT: 3.45 min Scan# 286
 Delta R.T. -0.02 min
 Lab File: VF062032.D
 Acq: 20 Mar 2019 10:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

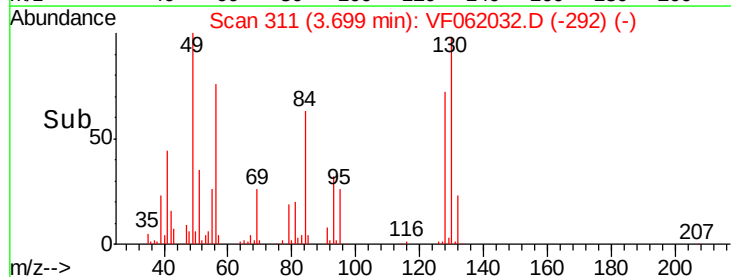
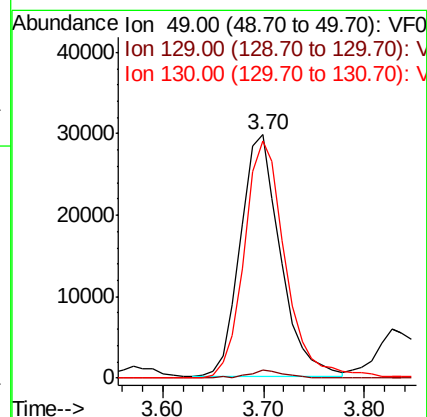
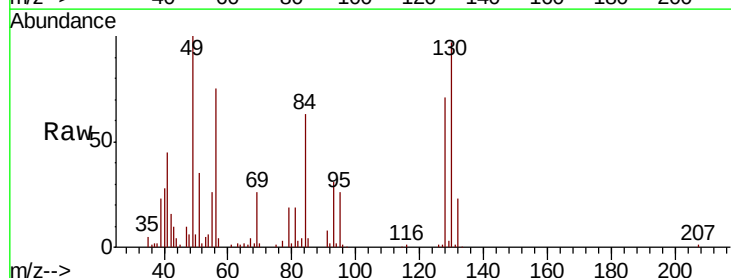
Tgt Ion	Ratio	Lower	Upper
96	100		
61	123.4	0.0	246.6
98	64.5	0.0	129.2

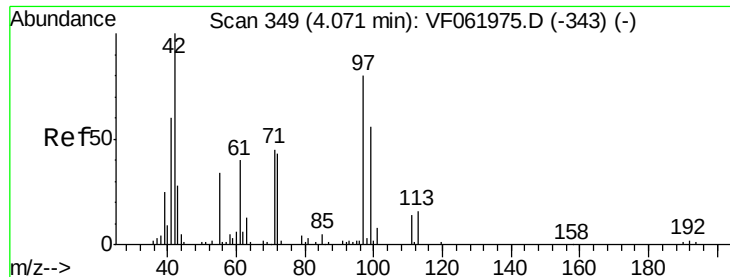


#28

Bromochloromethane
 Concen: 47.141 ug/l
 RT: 3.70 min Scan# 311
 Delta R.T. -0.02 min
 Lab File: VF062032.D
 Acq: 20 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.3	0.0	5.8
130	97.4	73.1	109.7

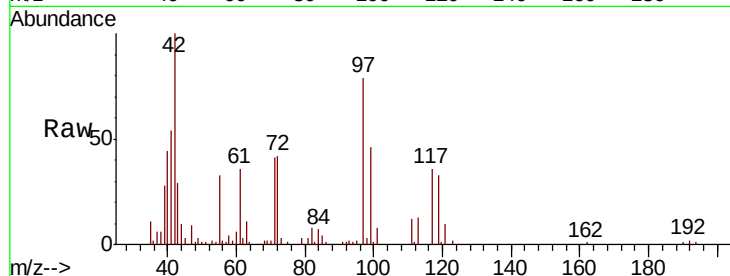




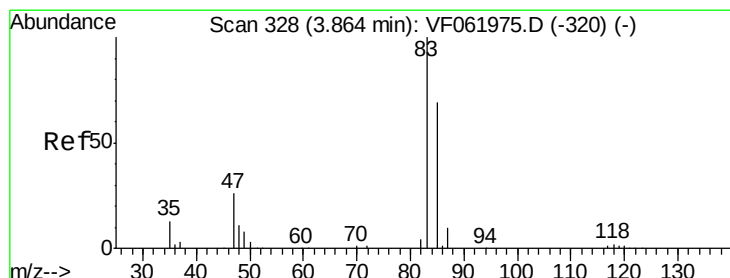
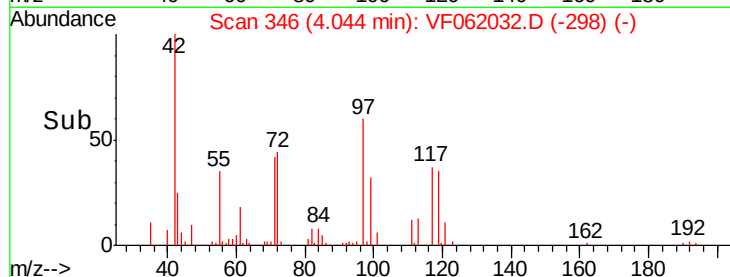
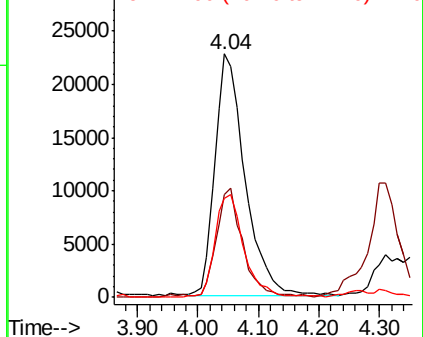
#29
Tetrahydrofuran
Concen: 203.220 ug/l
RT: 4.04 min Scan# 346
Delta R.T. -0.03 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 79144
Ion Ratio Lower Upper
42 100
72 39.5 34.0 51.0
71 40.1 34.2 51.4

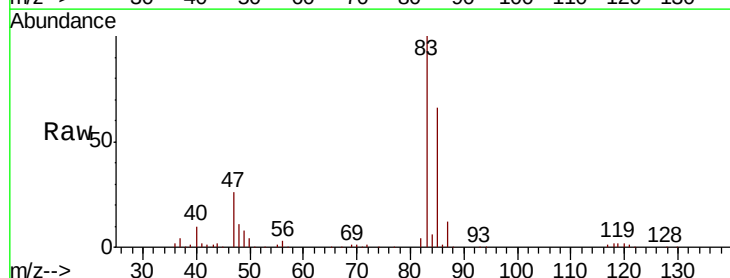


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

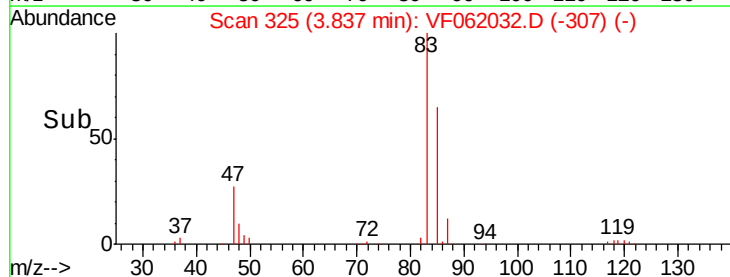
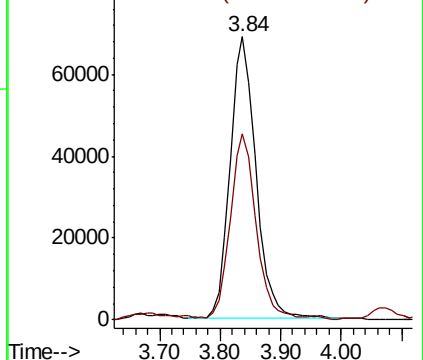


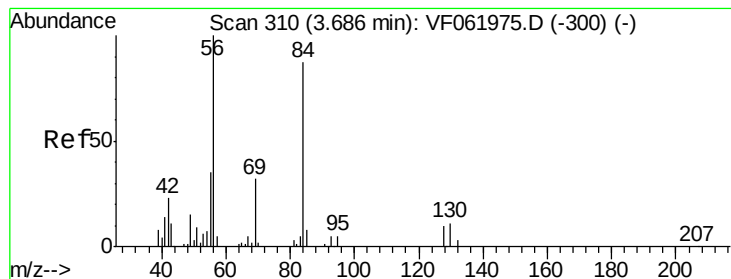
#30
Chloroform
Concen: 42.755 ug/l
RT: 3.84 min Scan# 325
Delta R.T. -0.03 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

Tgt Ion: 83 Resp: 204188
Ion Ratio Lower Upper
83 100
85 65.6 55.5 83.3



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 41.849 ug/l

RT: 3.68 min Scan# 309

Delta R.T. -0.01 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

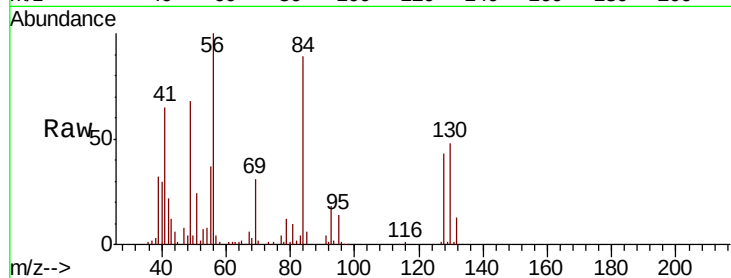
Tgt Ion: 56 Resp: 172821

Ion Ratio Lower Upper

56 100

69 31.1 25.8 38.8

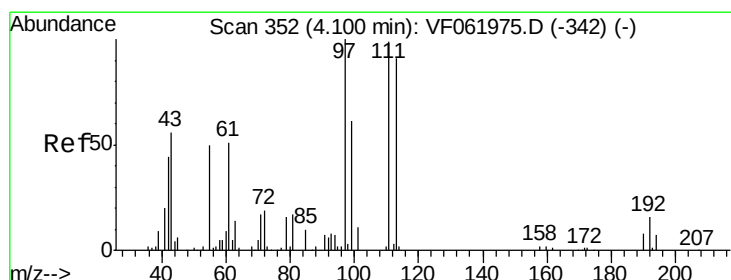
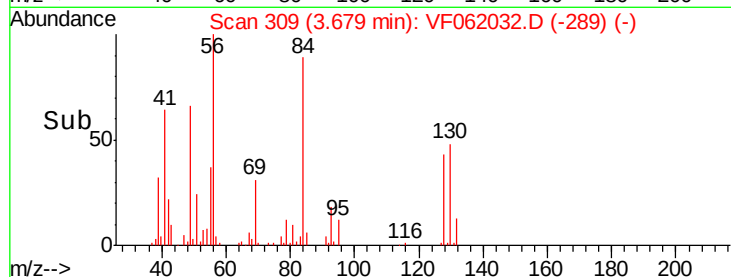
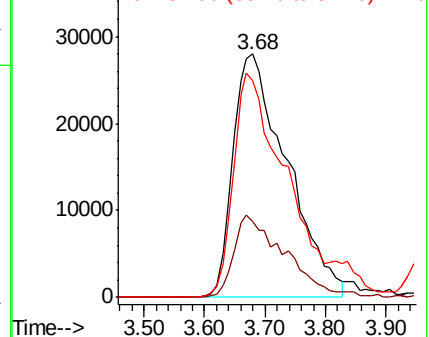
84 88.9 69.5 104.3



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: 48.093 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.03 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

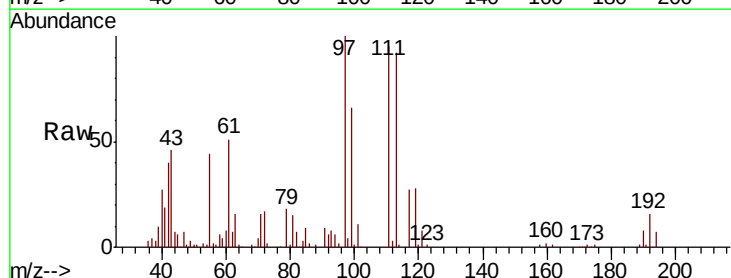
Tgt Ion: 97 Resp: 152534

Ion Ratio Lower Upper

97 100

99 65.6 49.0 73.4

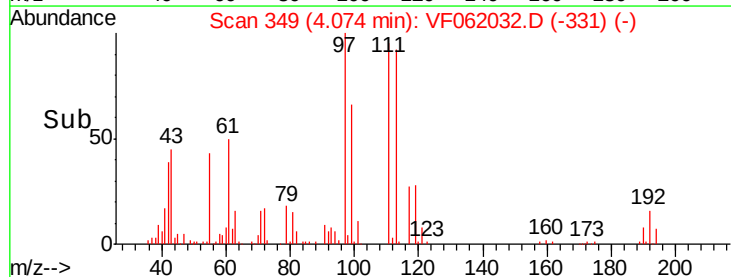
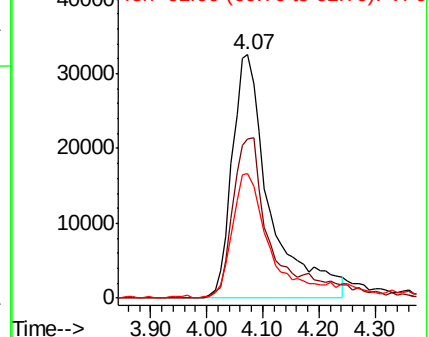
61 51.0 41.4 62.0

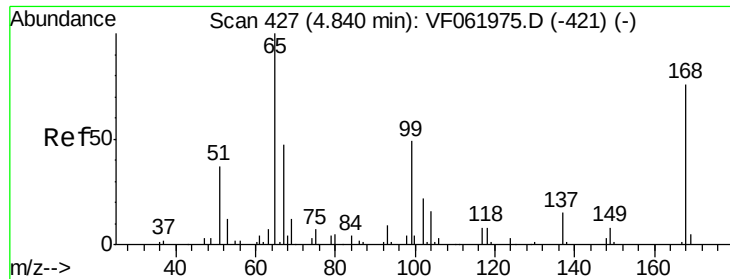


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

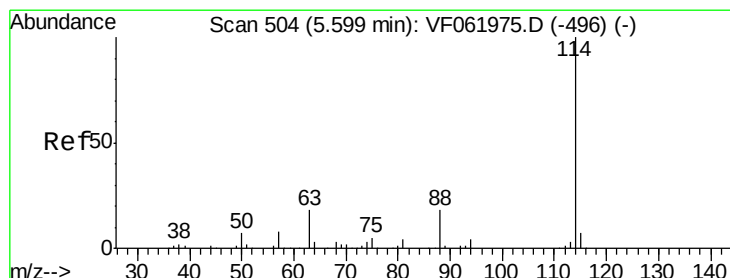
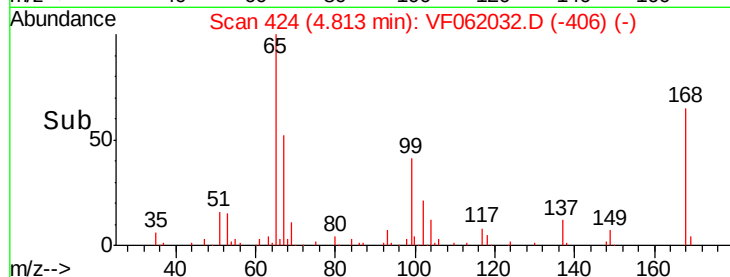
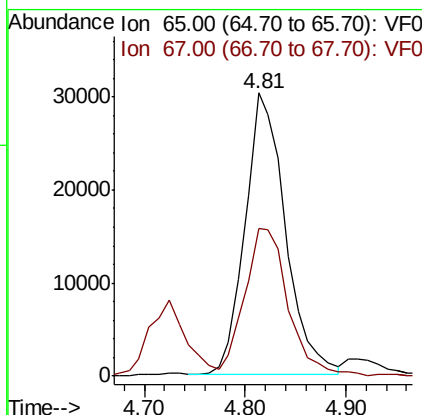
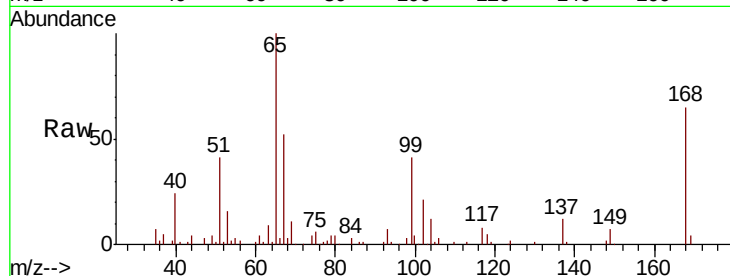




#33
 1,2-Dichloroethane-d4
 Concen: 41.741 ug/l
 RT: 4.81 min Scan# 424
 Delta R.T. -0.03 min
 Lab File: VF062032.D
 Acq: 20 Mar 2019 10:28

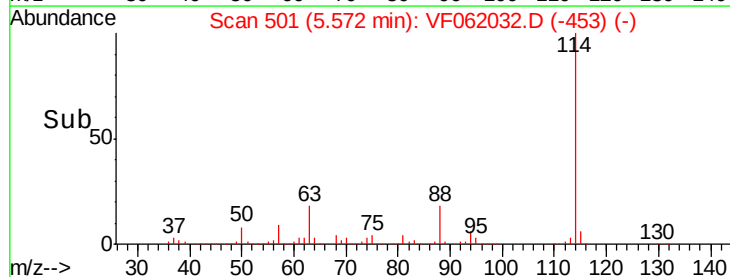
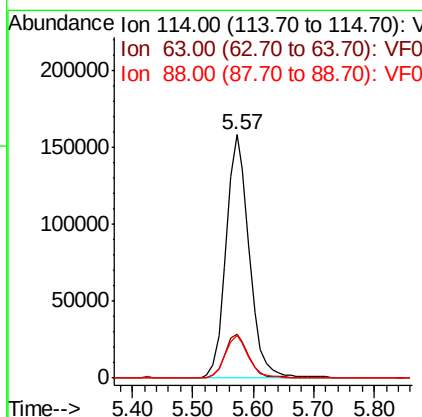
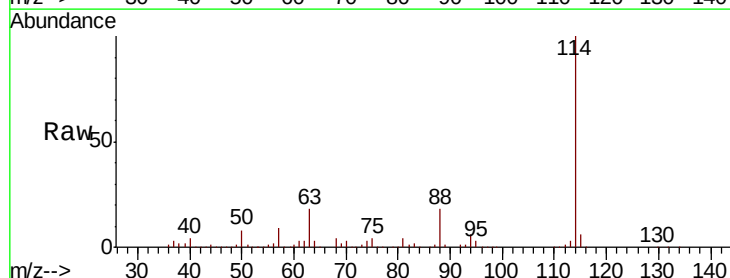
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

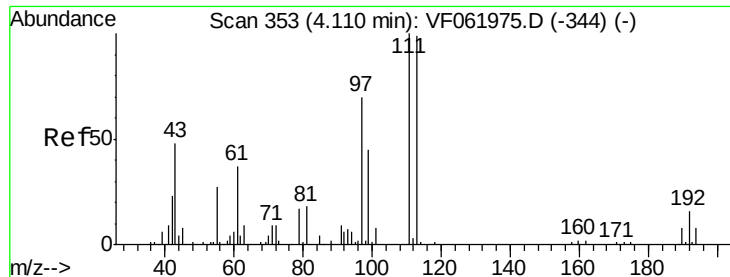
Tgt Ion: 65 Resp: 84050
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.03 min
 Lab File: VF062032.D
 Acq: 20 Mar 2019 10:28

Tgt Ion: 114 Resp: 420235
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 36.4
 88 17.5 0.0 36.4





#35

Dibromofluoromethane

Concen: 46.576 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

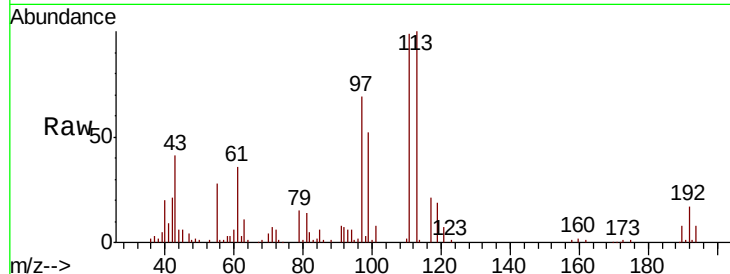
Tgt Ion:113 Resp: 131437

Ion Ratio Lower Upper

113 100

111 99.3 80.8 121.2

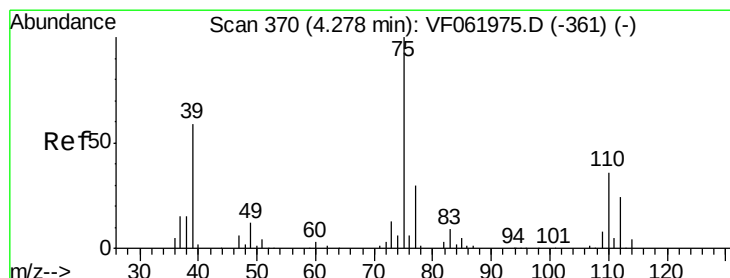
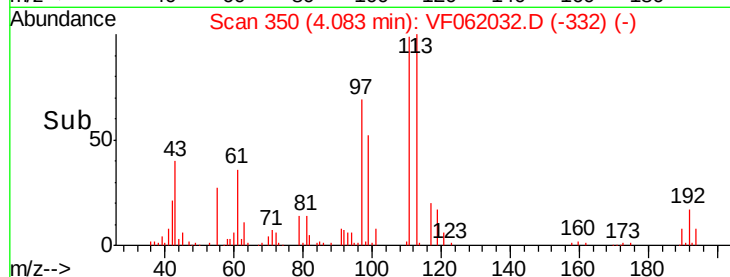
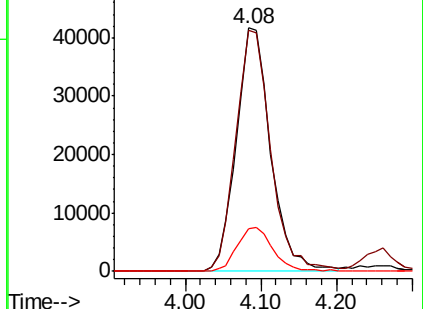
192 18.2 13.0 19.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 42.937 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.03 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

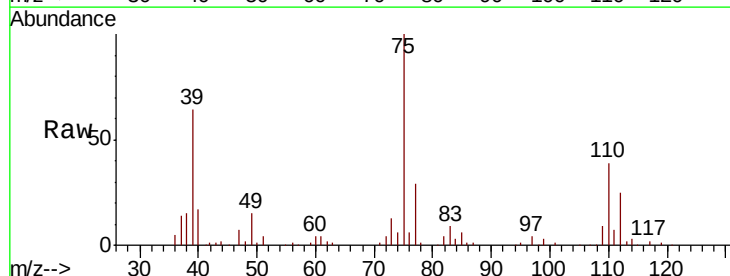
Tgt Ion: 75 Resp: 162943

Ion Ratio Lower Upper

75 100

110 39.1 17.8 53.3

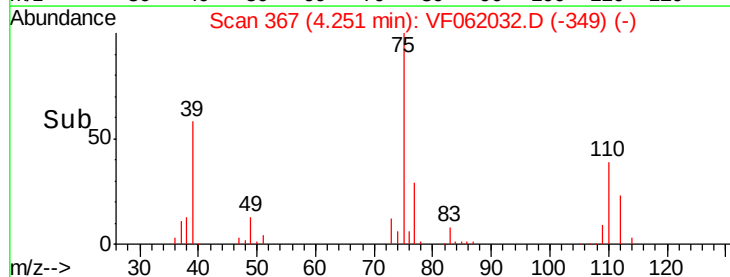
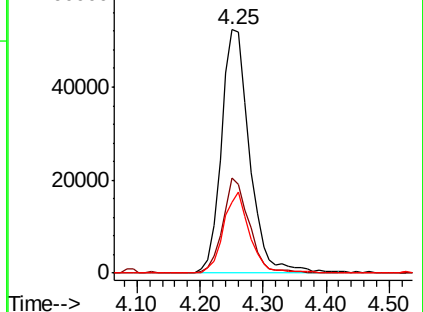
77 28.9 24.2 36.2

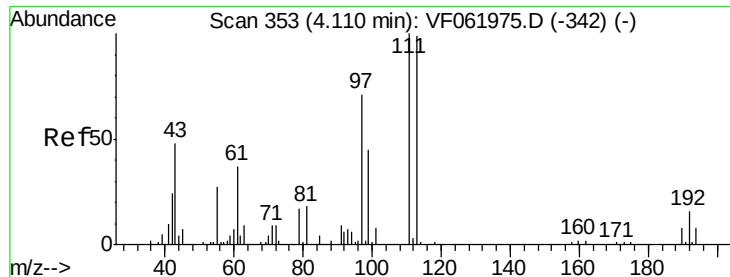


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

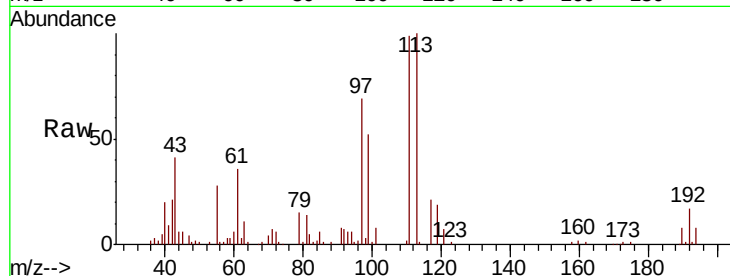




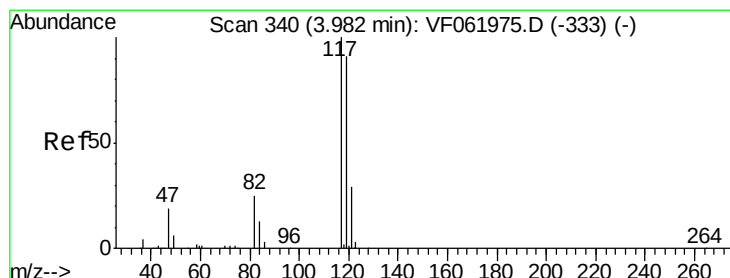
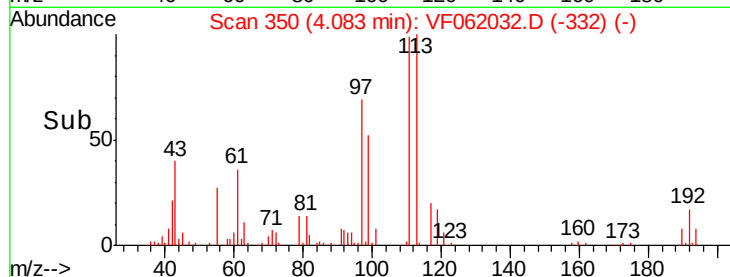
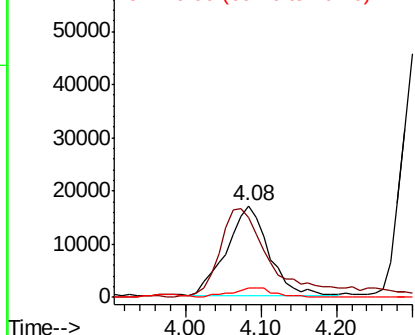
#37
Ethyl Acetate
Concen: 37.767 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.03 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 64353
Ion Ratio Lower Upper
43 100
61 87.0 59.8 89.6
70 10.7 7.8 11.8

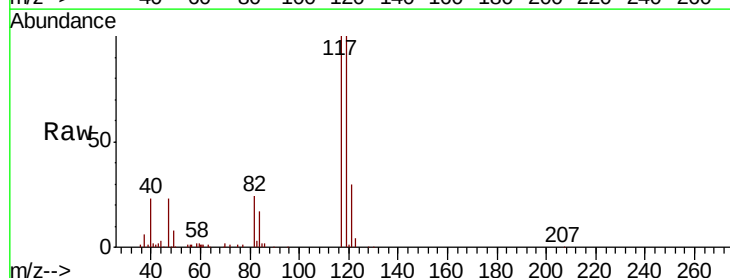


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

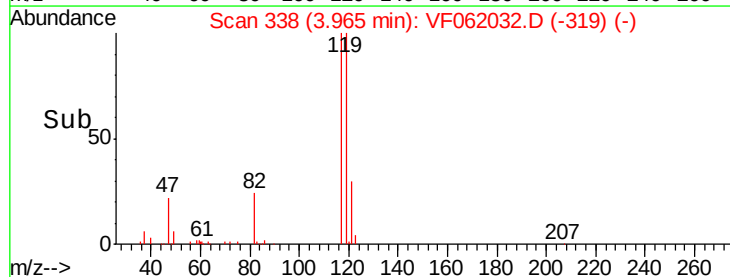
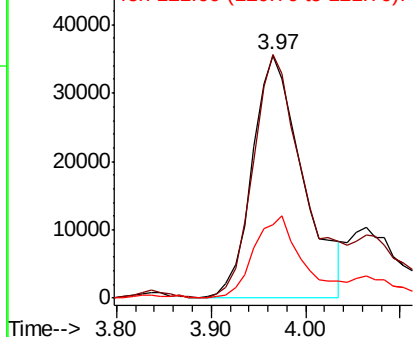


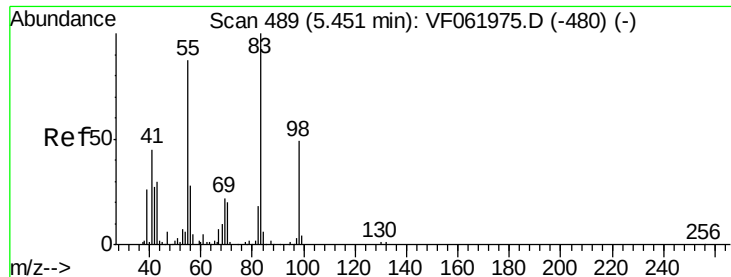
#38
Carbon Tetrachloride
Concen: 47.522 ug/l
RT: 3.97 min Scan# 338
Delta R.T. -0.02 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

Tgt Ion: 117 Resp: 131799
Ion Ratio Lower Upper
117 100
119 100.5 73.0 109.4
121 30.3 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

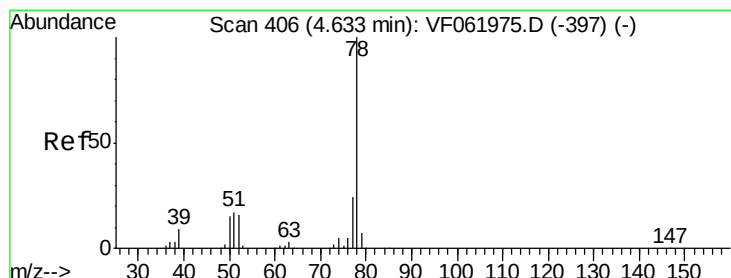
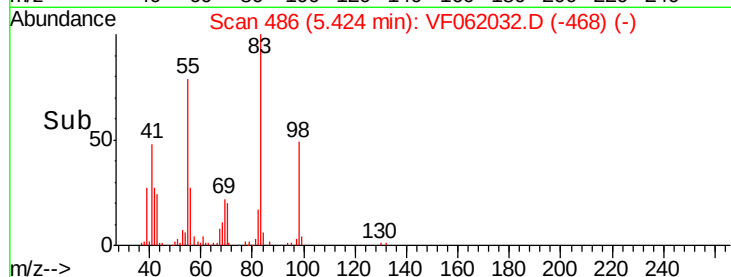
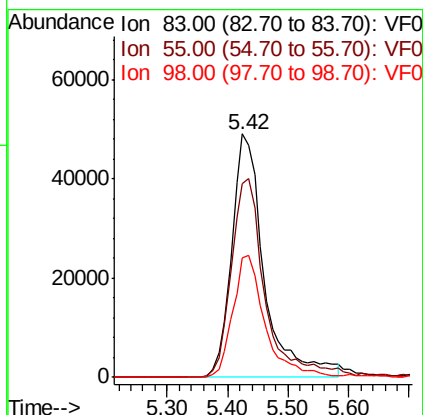
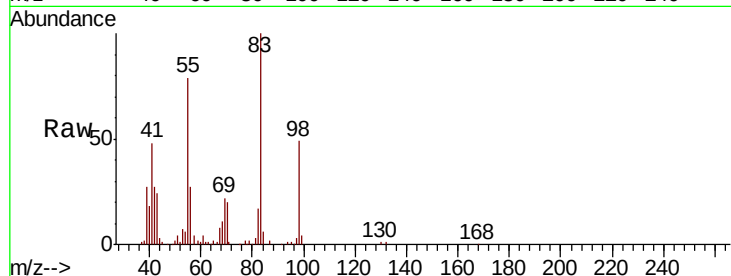




#39
Methylcyclohexane
Concen: 41.334 ug/l
RT: 5.42 min Scan# 486
Delta R.T. -0.03 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

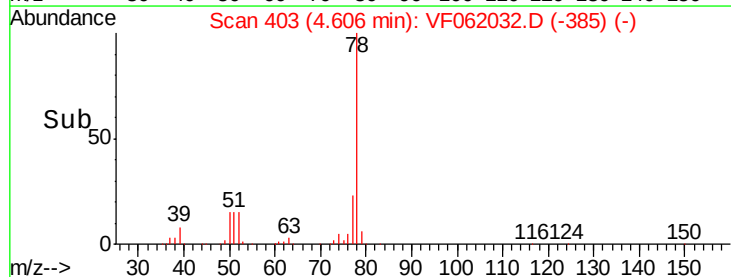
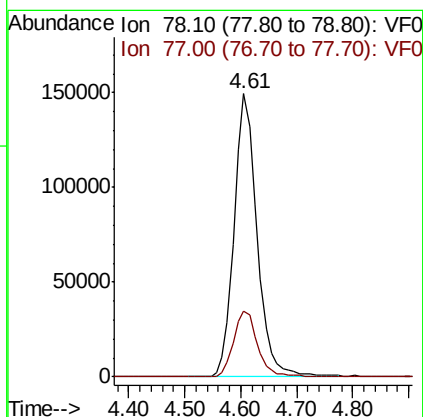
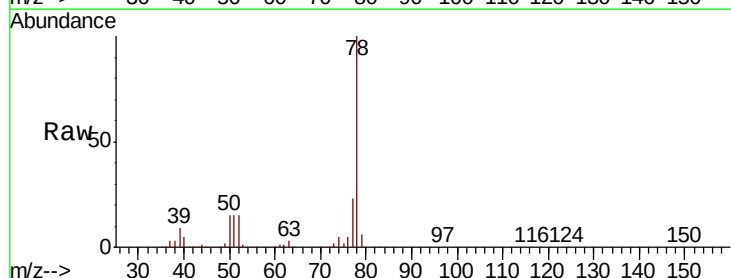
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

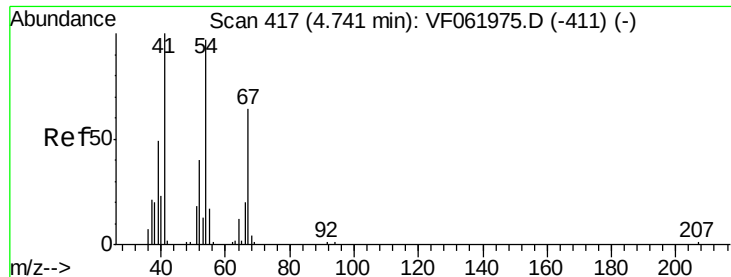
Tgt Ion: 83 Resp: 184149
Ion Ratio Lower Upper
83 100
55 79.5 69.7 104.5
98 49.2 39.4 59.0



#40
Benzene
Concen: 42.428 ug/l
RT: 4.61 min Scan# 403
Delta R.T. -0.03 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

Tgt Ion: 78 Resp: 426638
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4

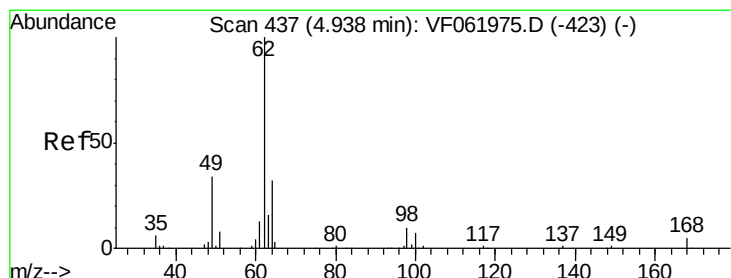
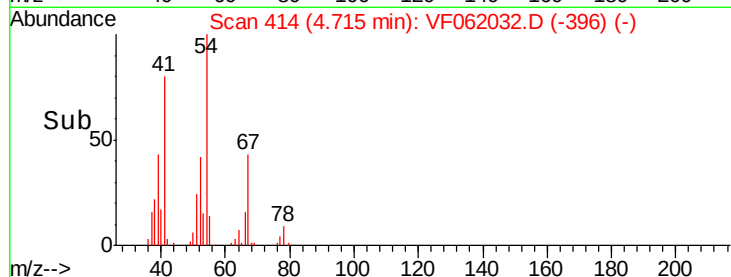
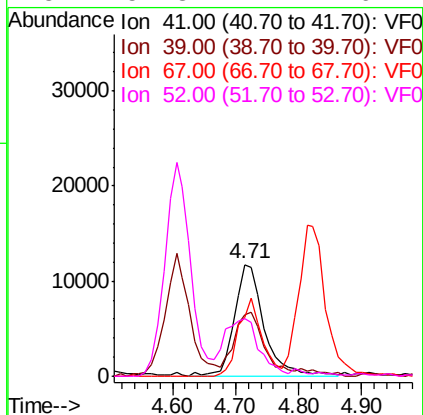
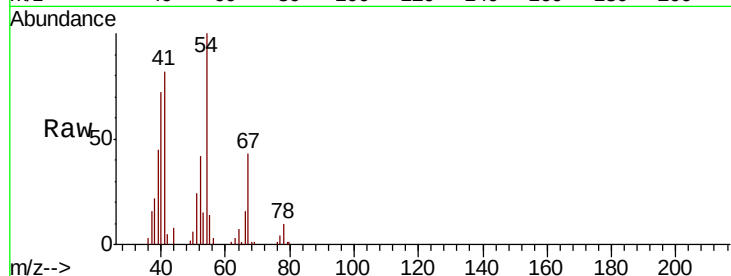




#41
Methacrylonitrile
Concen: 41.888 ug/l
RT: 4.71 min Scan# 414
Delta R.T. -0.03 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

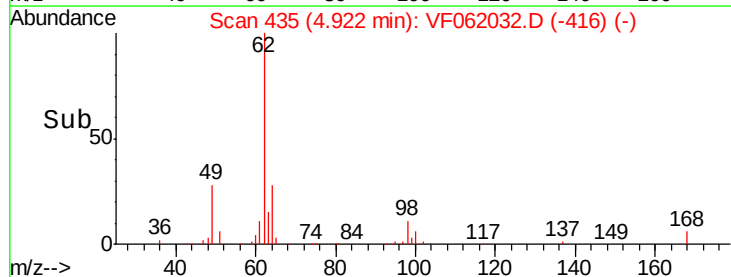
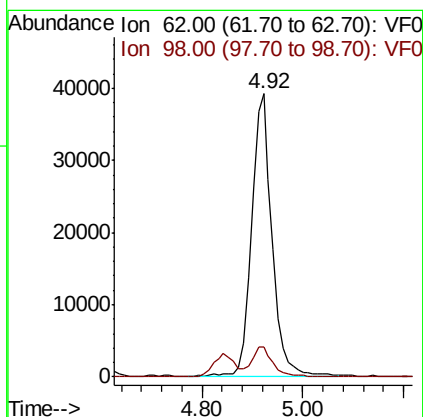
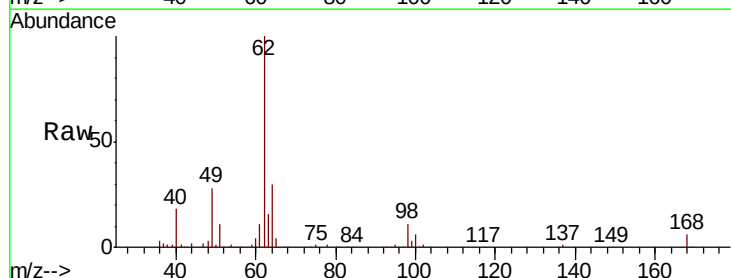
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

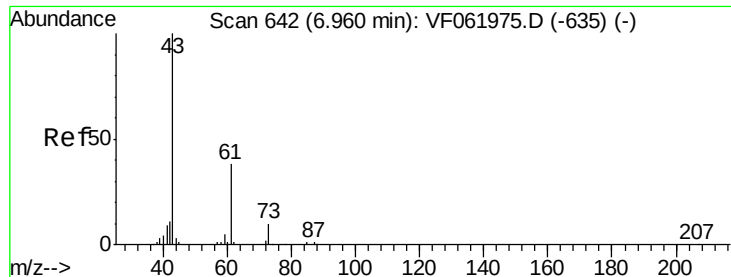
Tgt Ion:	41	Resp:	38134
Ion	Ratio	Lower	Upper
41	100		
39	55.4	46.2	69.4
67	53.0	49.8	74.8
52	51.3	42.7	64.1



#42
1,2-Dichloroethane
Concen: 44.729 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.02 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

Tgt Ion:	62	Resp:	111966
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	19.8





#43

Isopropyl Acetate

Concen: 40.099 ug/l

RT: 6.93 min Scan# 639

Delta R.T. -0.03 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

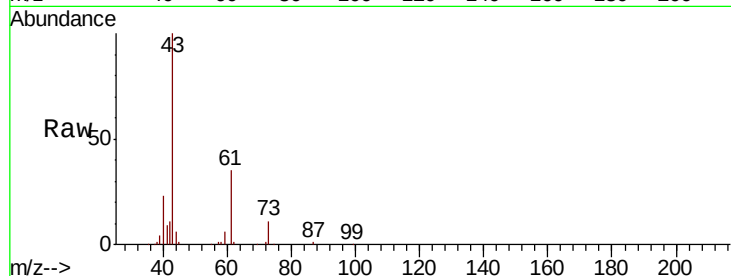
Tgt Ion: 43 Resp: 80842

Ion Ratio Lower Upper

43 100

61 35.0 30.1 45.1

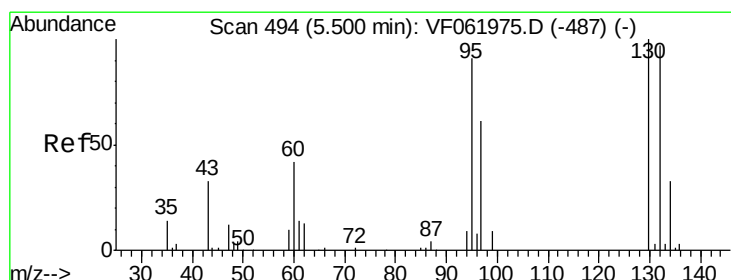
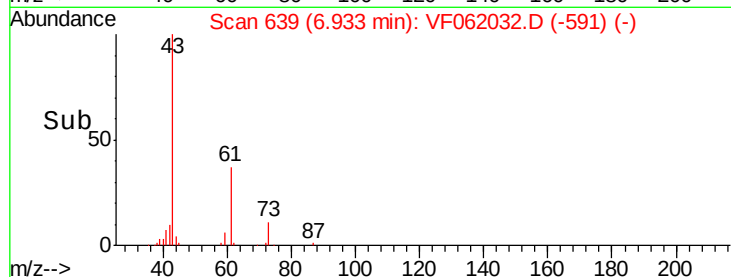
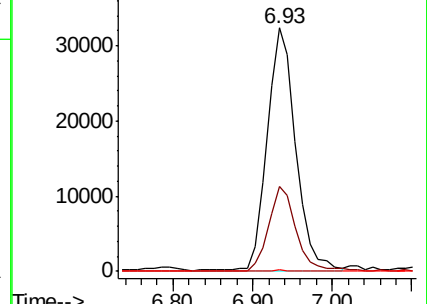
87 0.6 0.4 0.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 43.321 ug/l

RT: 5.47 min Scan# 491

Delta R.T. -0.03 min

Lab File: VF062032.D

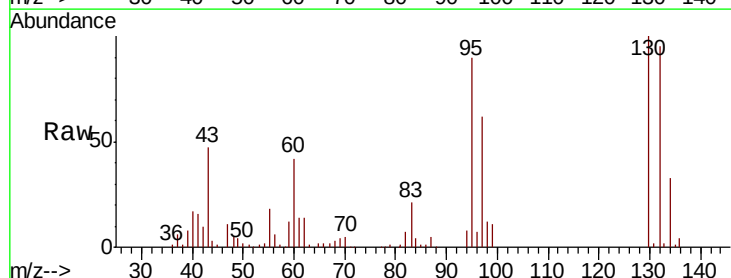
Acq: 20 Mar 2019 10:28

Tgt Ion: 130 Resp: 133445

Ion Ratio Lower Upper

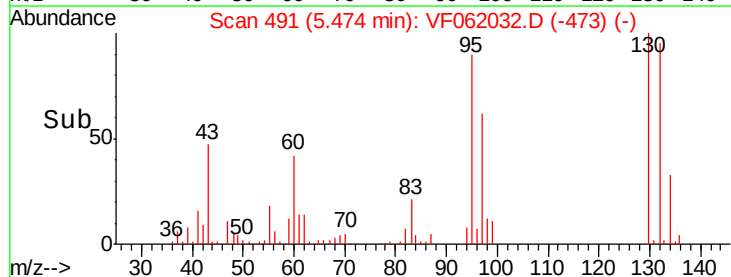
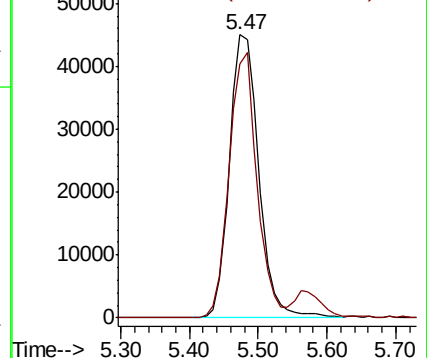
130 100

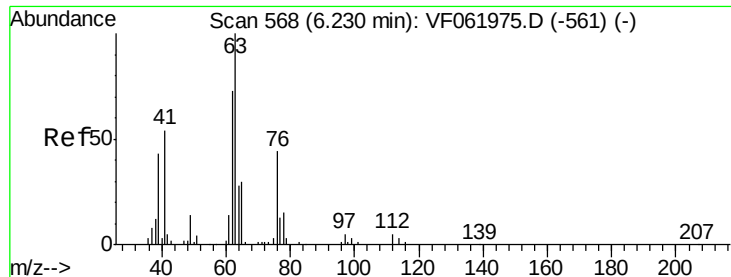
95 89.6 0.0 181.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

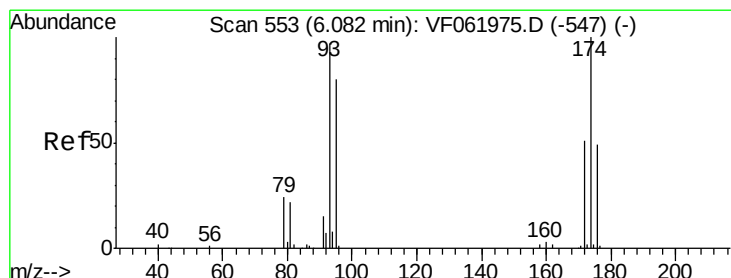
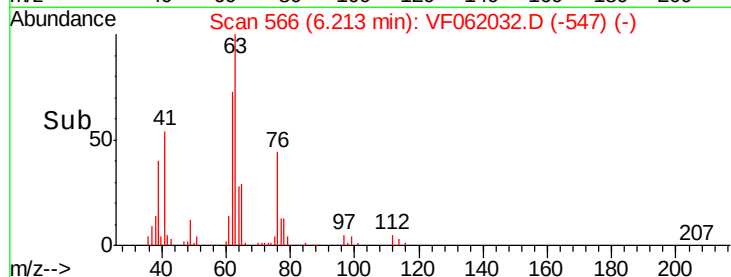
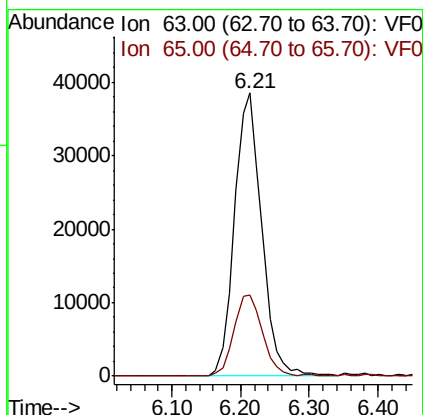
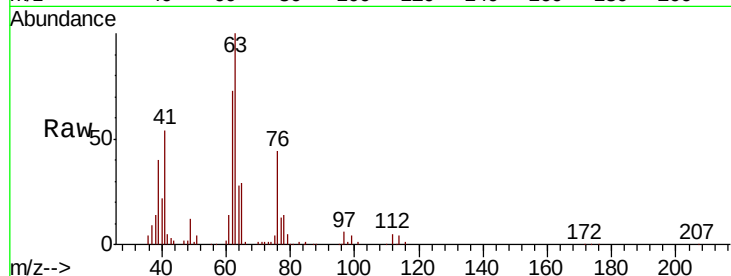




#45
1,2-Dichloropropane
Concen: 44.205 ug/l
RT: 6.21 min Scan# 566
Delta R.T. -0.02 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

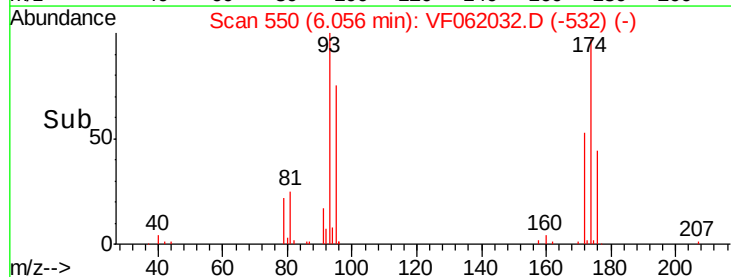
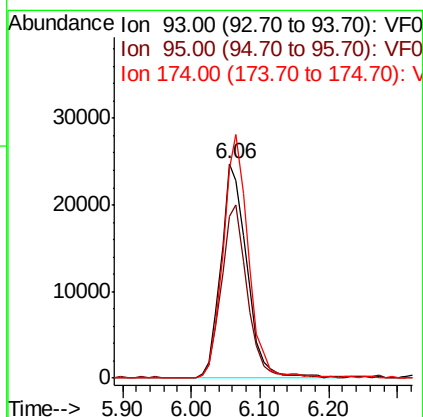
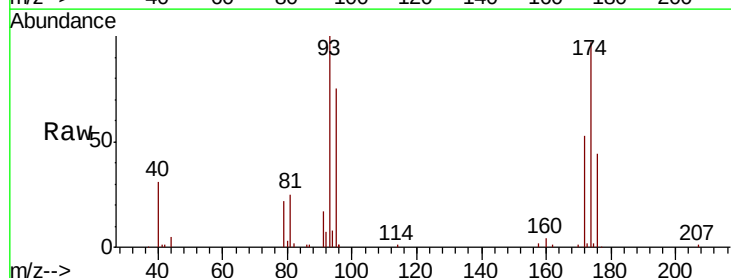
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

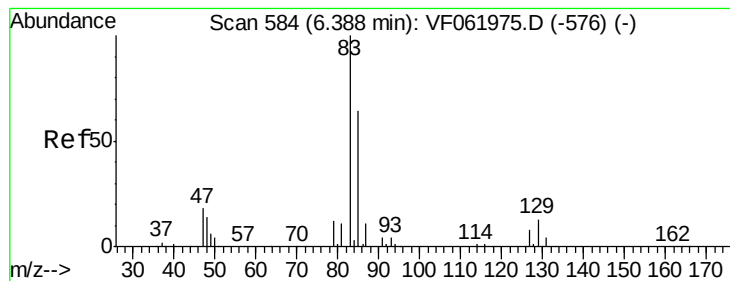
Tgt Ion: 63 Resp: 105196
Ion Ratio Lower Upper
63 100
65 28.6 23.7 35.5



#46
Dibromomethane
Concen: 45.723 ug/l
RT: 6.06 min Scan# 550
Delta R.T. -0.03 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

Tgt Ion: 93 Resp: 64728
Ion Ratio Lower Upper
93 100
95 76.1 65.7 98.5
174 97.4 82.2 123.4





#47

Bromodichloromethane

Concen: 43.400 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.03 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

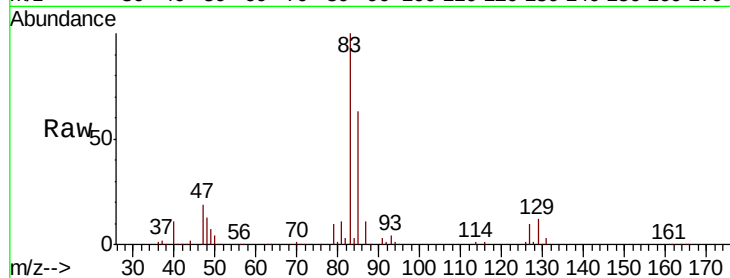
Tgt Ion: 83 Resp: 144850

Ion Ratio Lower Upper

83 100

85 62.8 51.4 77.2

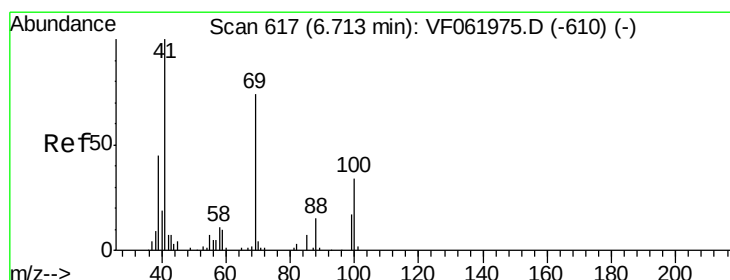
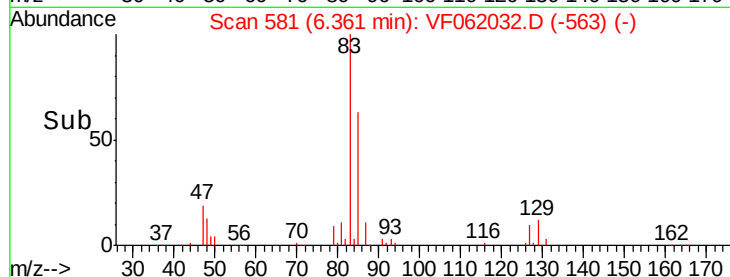
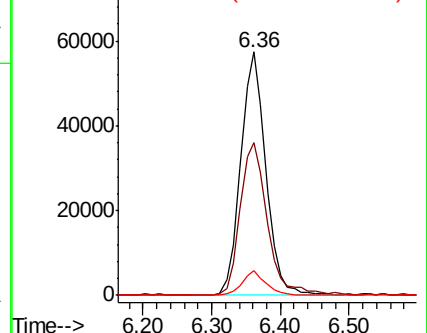
127 9.9 6.5 9.7#



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: 39.447 ug/l

RT: 6.70 min Scan# 615

Delta R.T. -0.02 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

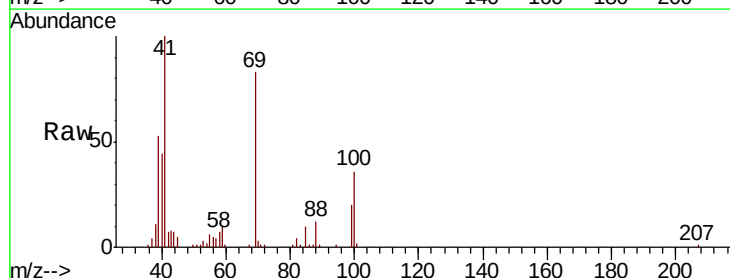
Tgt Ion: 41 Resp: 51398

Ion Ratio Lower Upper

41 100

69 83.1 59.0 88.6

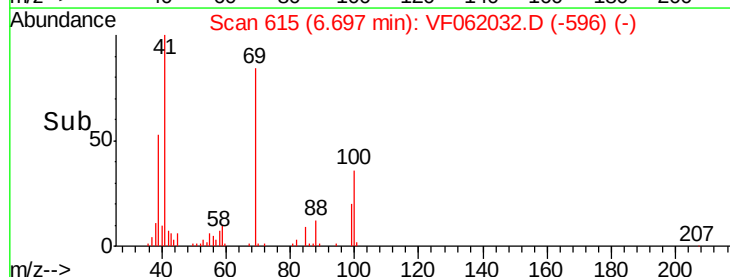
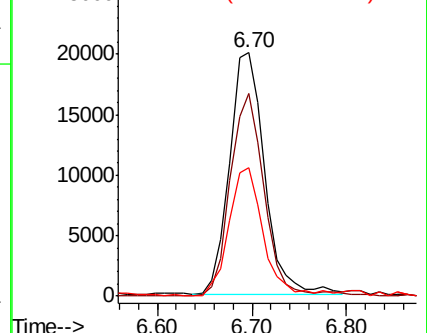
39 52.6 35.6 53.4

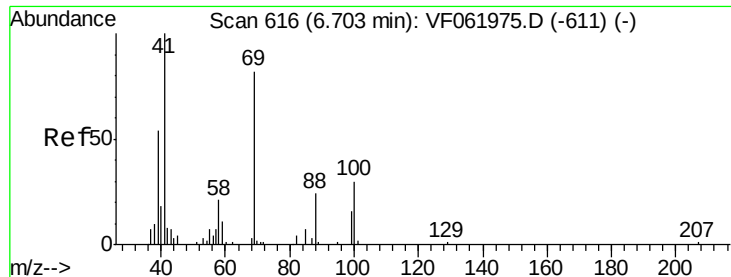


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

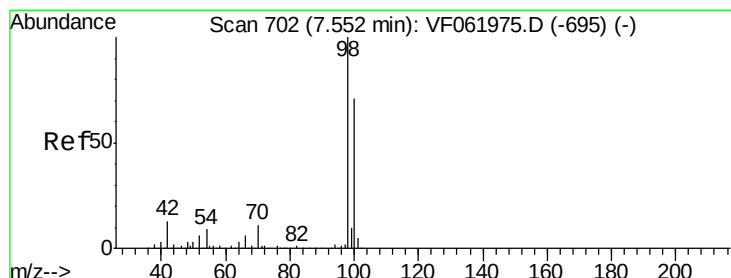
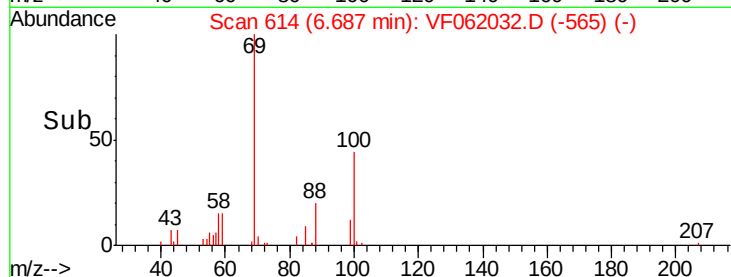
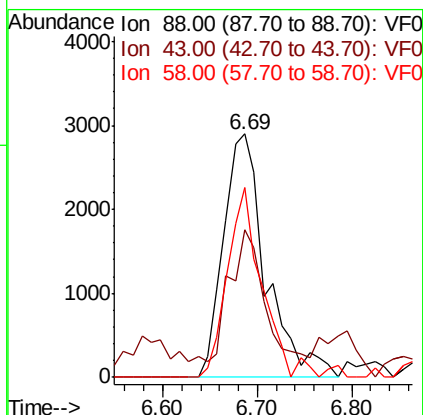
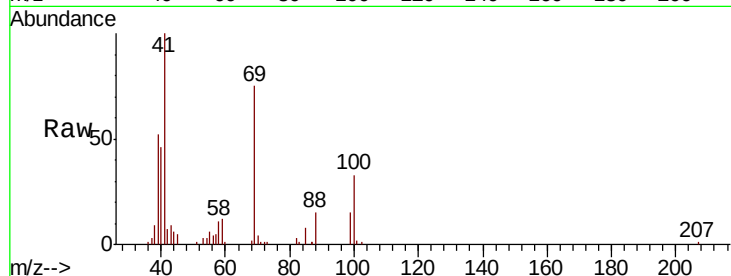




#49
1,4-Dioxane
Concen: 779.991 ug/l
RT: 6.69 min Scan# 614
Delta R.T. -0.02 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

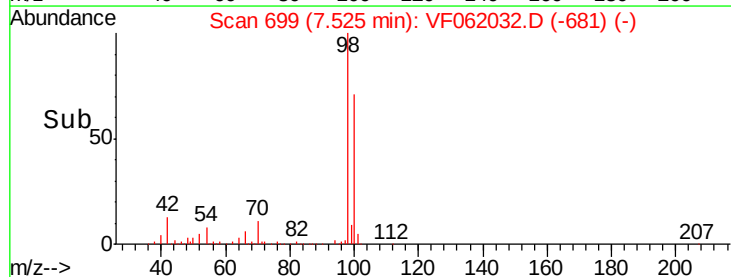
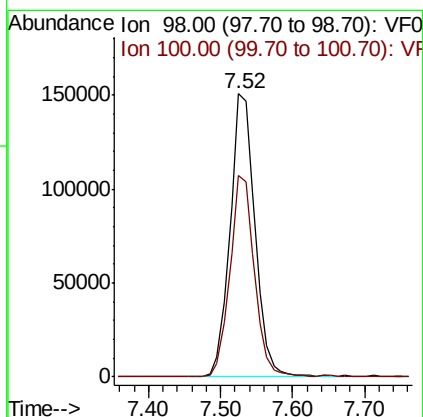
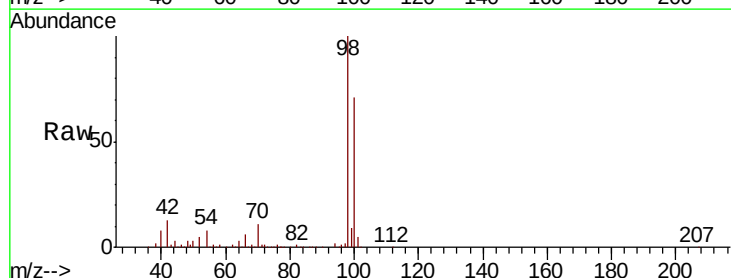
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

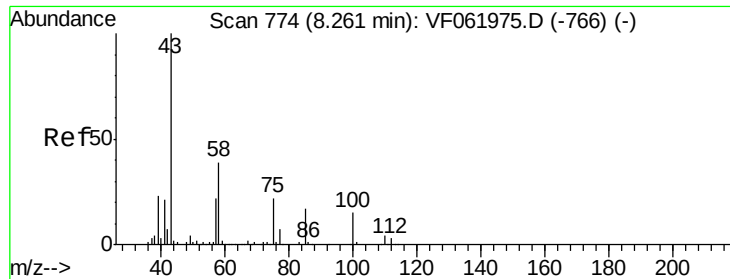
Tgt Ion: 88 Resp: 9040
Ion Ratio Lower Upper
88 100
43 60.9 31.2 46.8#
58 78.2 69.9 104.9



#50
Toluene-d8
Concen: 44.208 ug/l
RT: 7.52 min Scan# 699
Delta R.T. -0.03 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

Tgt Ion: 98 Resp: 364690
Ion Ratio Lower Upper
98 100
100 71.2 56.8 85.2

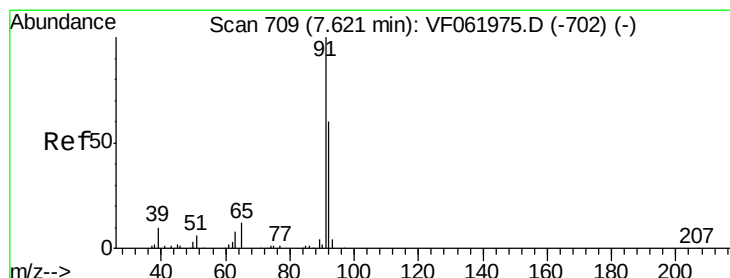
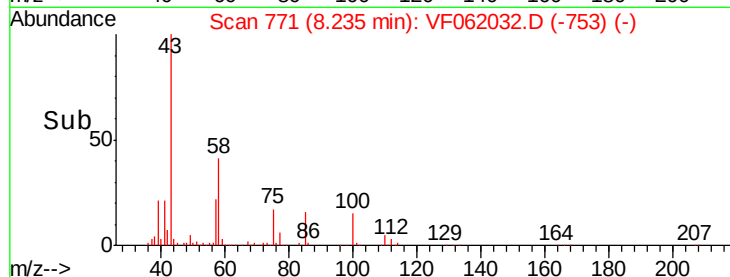
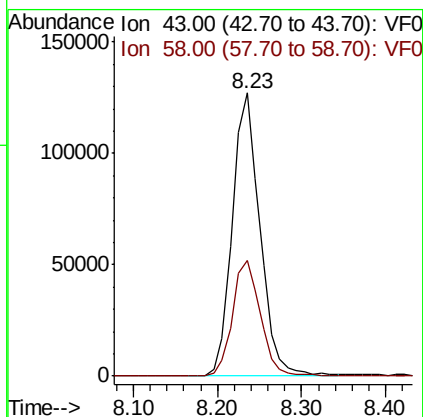
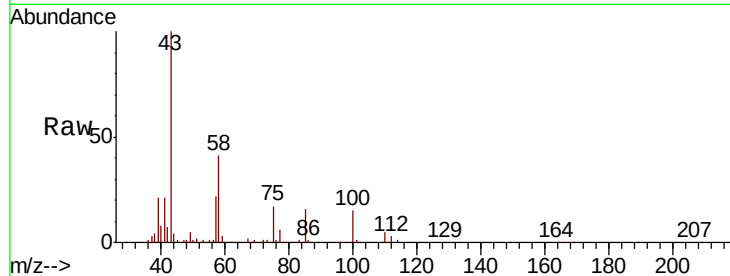




#51
 4-Methyl-2-Pentanone
 Concen: 201.951 ug/l
 RT: 8.23 min Scan# 771
 Delta R.T. -0.03 min
 Lab File: VF062032.D
 Acq: 20 Mar 2019 10:28

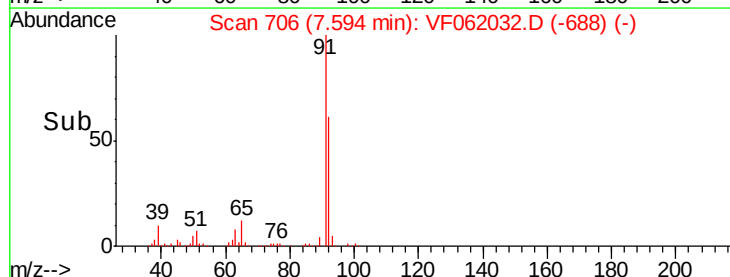
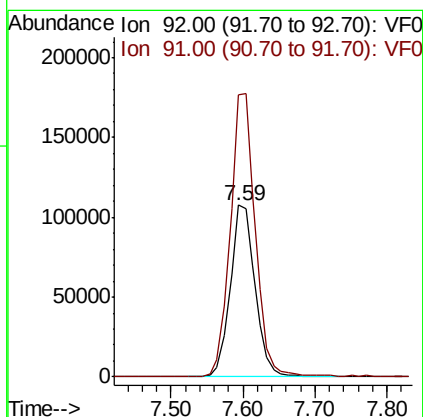
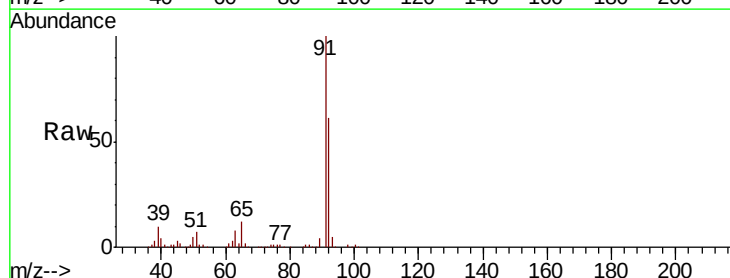
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

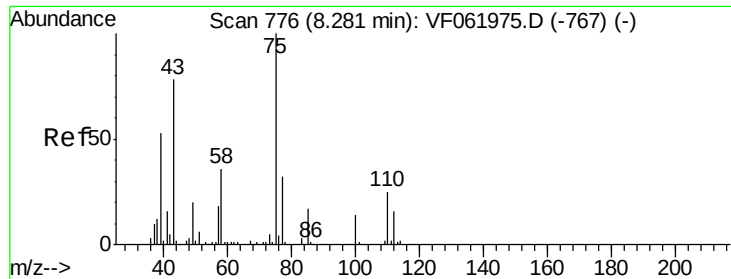
Tgt Ion: 43 Resp: 289119
 Ion Ratio Lower Upper
 43 100
 58 41.0 31.1 46.7



#52
 Toluene
 Concen: 42.122 ug/l
 RT: 7.59 min Scan# 706
 Delta R.T. -0.03 min
 Lab File: VF062032.D
 Acq: 20 Mar 2019 10:28

Tgt Ion: 92 Resp: 258797
 Ion Ratio Lower Upper
 92 100
 91 164.2 134.0 201.0

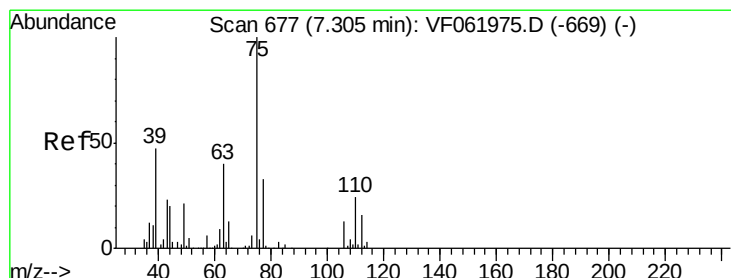
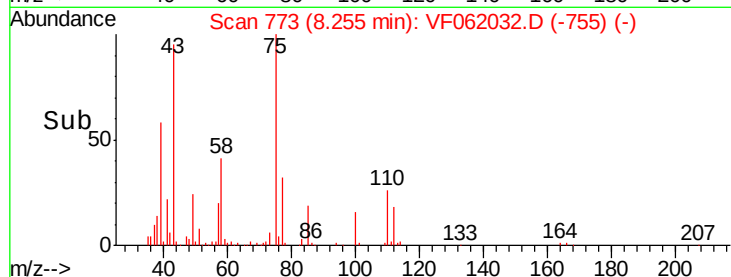
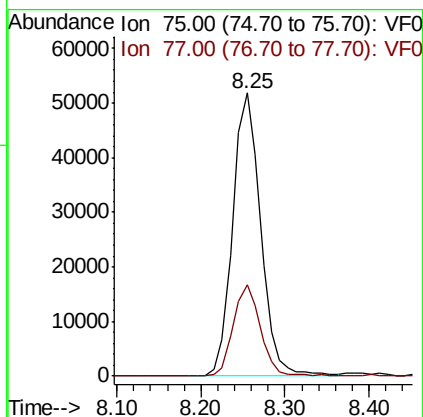
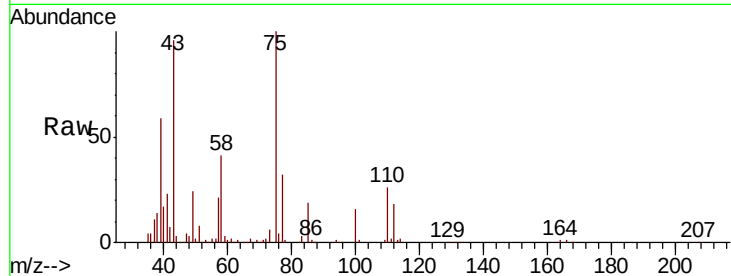




#53
t-1,3-Dichloropropene
Concen: 42.804 ug/l
RT: 8.25 min Scan# 773
Delta R.T. -0.03 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

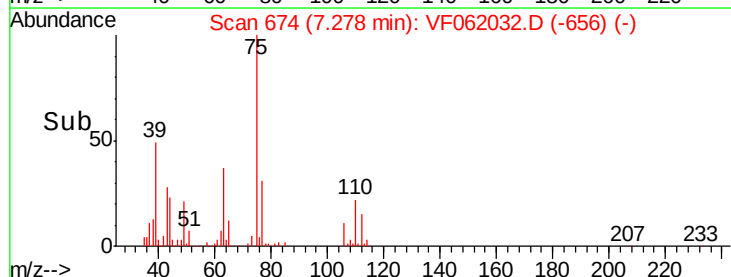
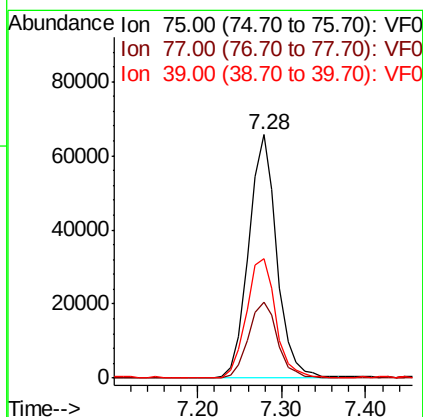
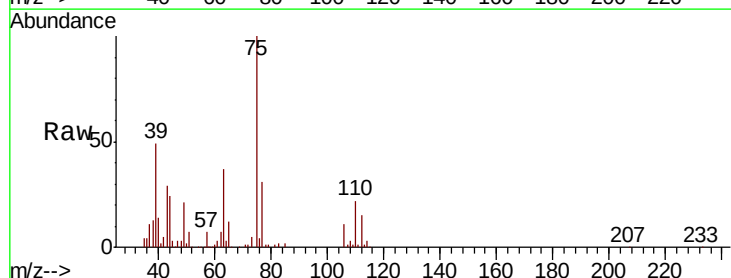
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

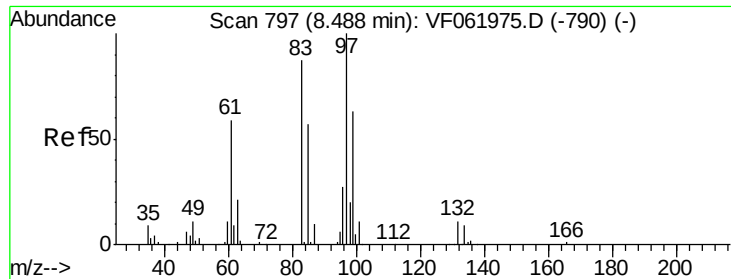
Tgt Ion: 75 Resp: 120609
Ion Ratio Lower Upper
75 100
77 32.4 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 41.946 ug/l
RT: 7.28 min Scan# 674
Delta R.T. -0.03 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

Tgt Ion: 75 Resp: 154218
Ion Ratio Lower Upper
75 100
77 31.4 26.4 39.6
39 49.3 38.0 57.0





#55

1,1,2-Trichloroethane

Concen: 46.617 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.02 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 79939

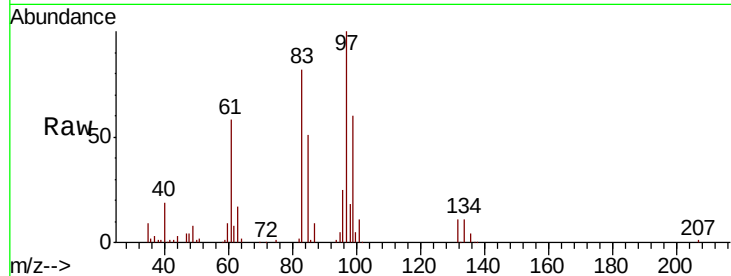
Ion Ratio Lower Upper

97 100

83 82.1 69.7 104.5

85 51.4 45.8 68.6

99 60.2 50.3 75.5

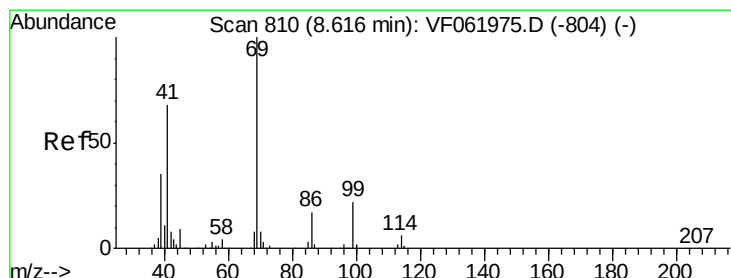
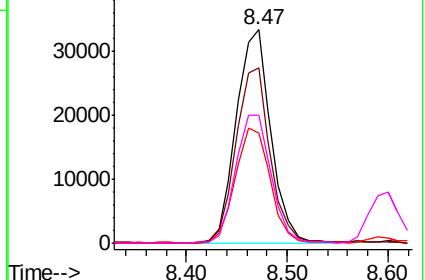
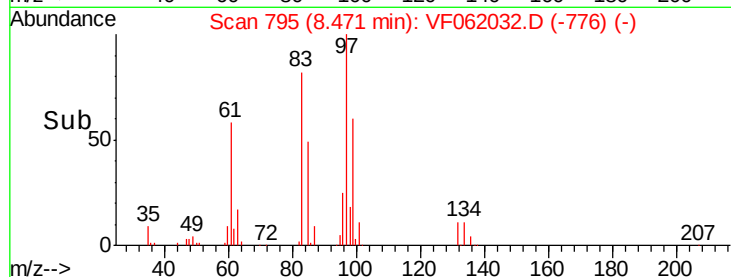


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 43.176 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.02 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

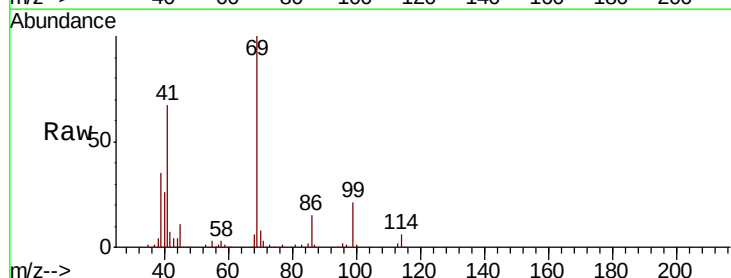
Tgt Ion: 69 Resp: 84163

Ion Ratio Lower Upper

69 100

41 67.2 54.7 82.1

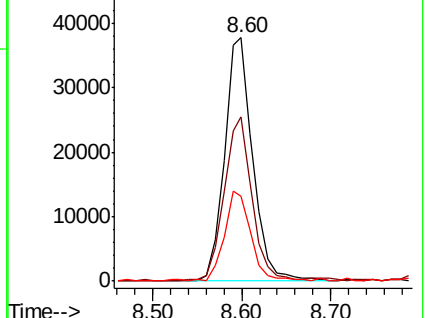
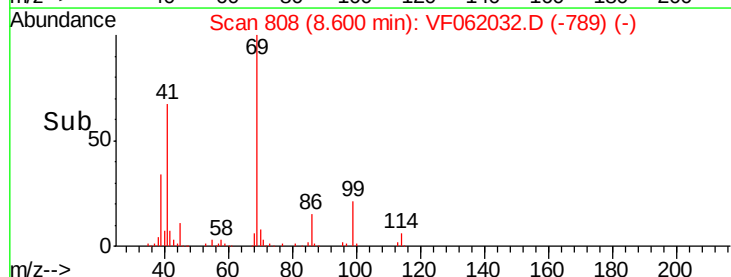
39 34.7 27.9 41.9

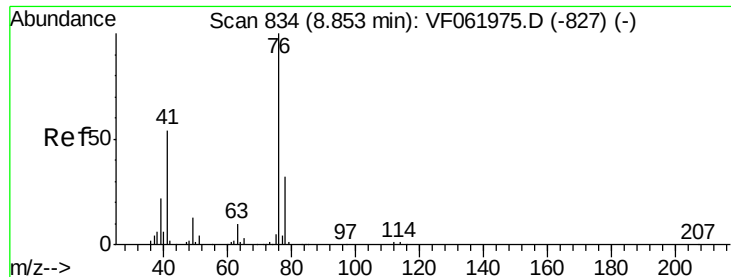


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 44.651 ug/l

RT: 8.83 min Scan# 831

Delta R.T. -0.03 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

Instrument :

MSVOA_F

ClientSampleId :

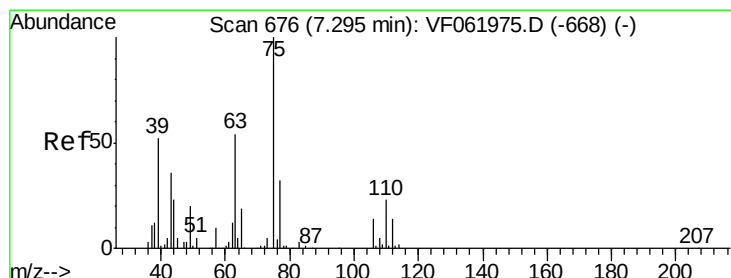
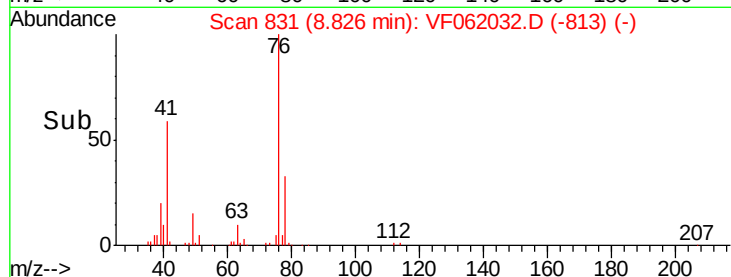
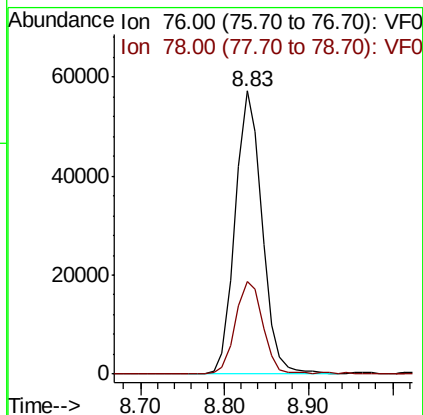
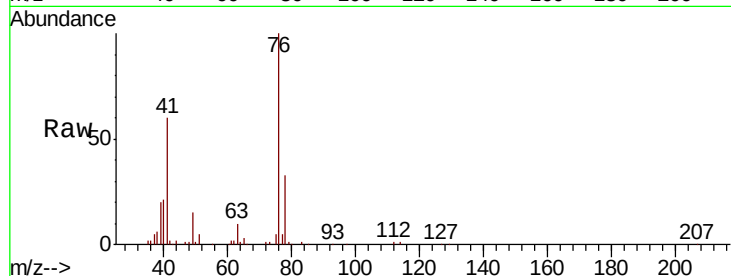
VSTDCCC050

Tgt Ion: 76 Resp: 127723

Ion Ratio Lower Upper

76 100

78 32.8 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 186.194 ug/l

RT: 7.27 min Scan# 673

Delta R.T. -0.03 min

Lab File: VF062032.D

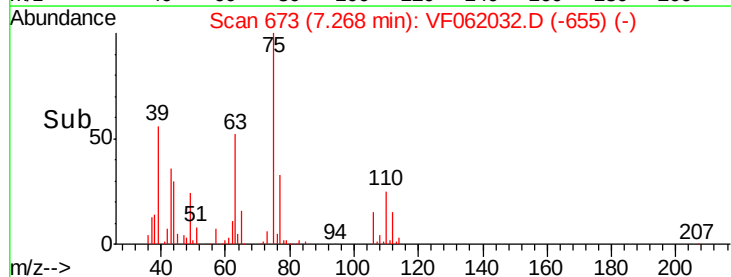
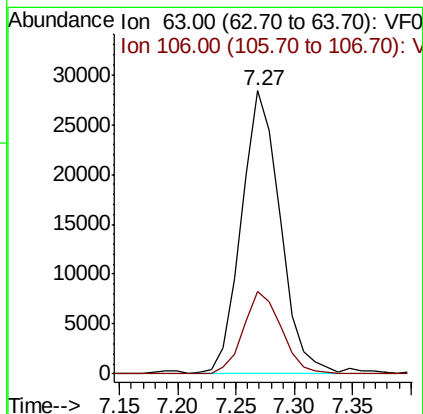
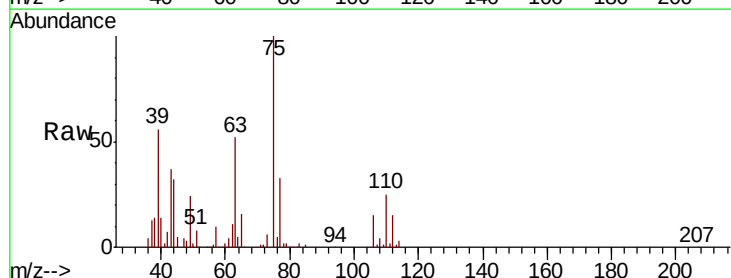
Acq: 20 Mar 2019 10:28

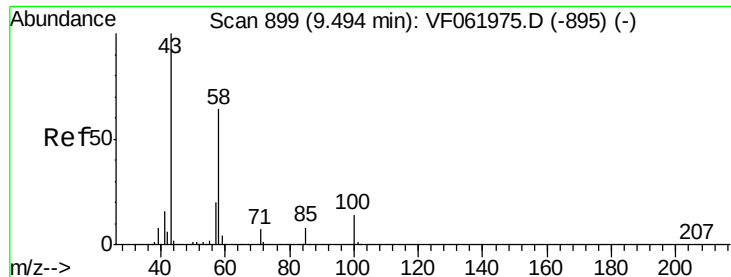
Tgt Ion: 63 Resp: 65740

Ion Ratio Lower Upper

63 100

106 29.0 20.9 31.3

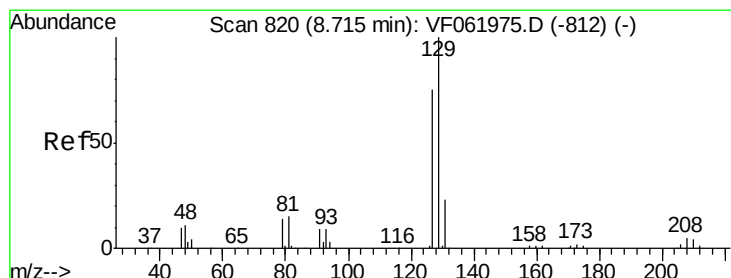
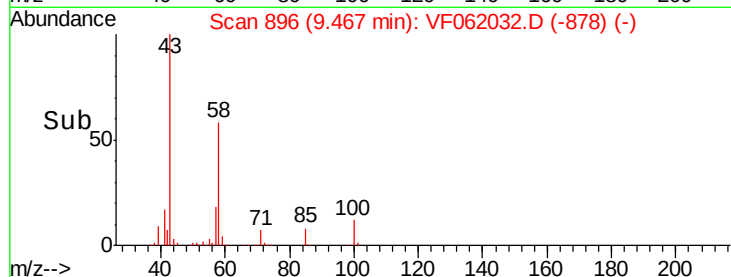
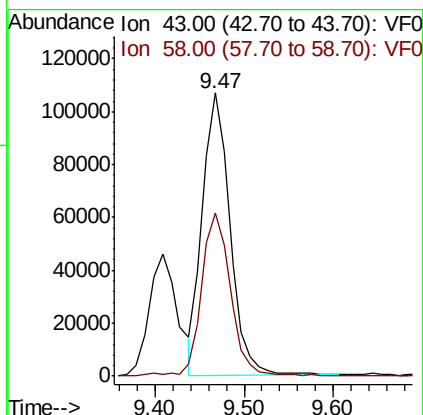
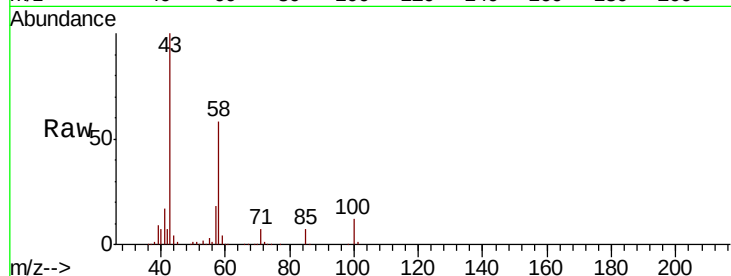




#59
2-Hexanone
Concen: 220.960 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.03 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

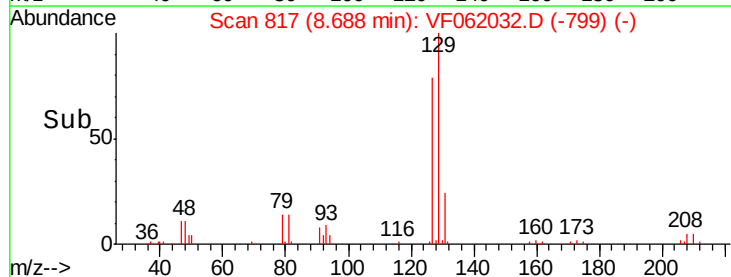
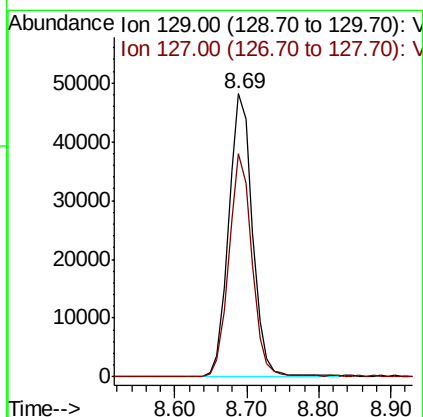
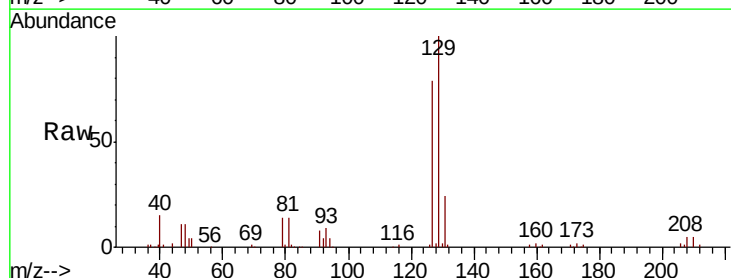
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

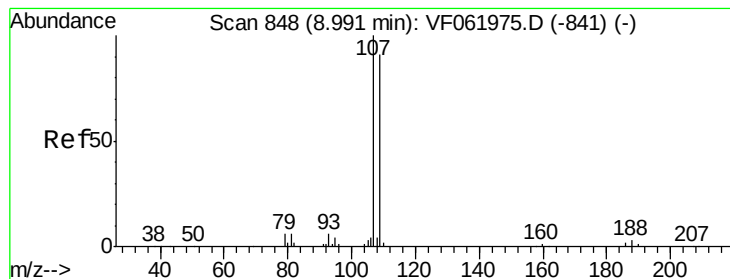
Tgt Ion: 43 Resp: 228932
Ion Ratio Lower Upper
43 100
58 57.8 28.4 85.2



#60
Dibromochloromethane
Concen: 46.686 ug/l
RT: 8.69 min Scan# 817
Delta R.T. -0.03 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

Tgt Ion: 129 Resp: 111139
Ion Ratio Lower Upper
129 100
127 78.8 37.3 111.8





#61

1,2-Dibromoethane

Concen: 43.099 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.03 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

Instrument :

MSVOA_F

ClientSampleId :

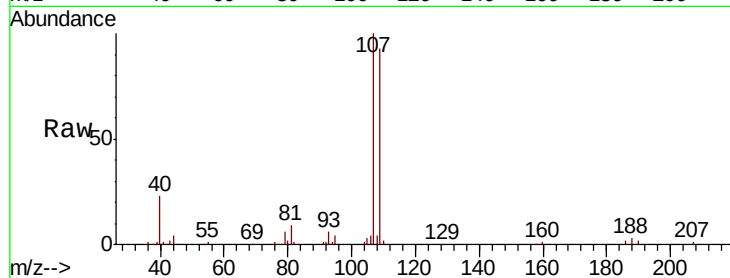
VSTDCCC050

Tgt Ion: 107 Resp: 79275

Ion Ratio Lower Upper

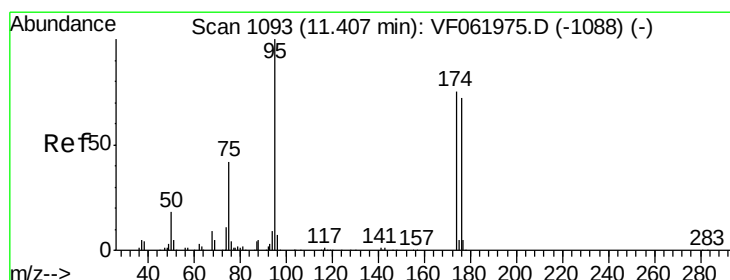
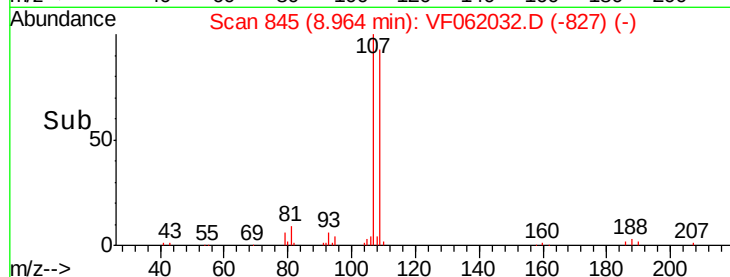
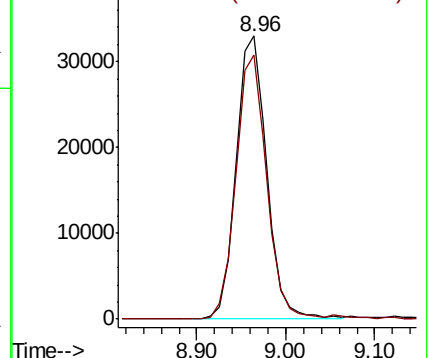
107 100

109 93.5 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: 45.448 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

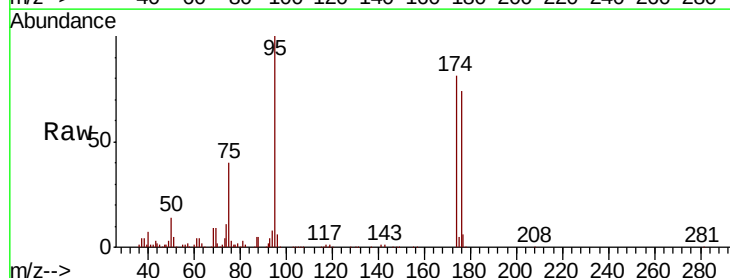
Tgt Ion: 95 Resp: 148941

Ion Ratio Lower Upper

95 100

174 80.6 0.0 149.4

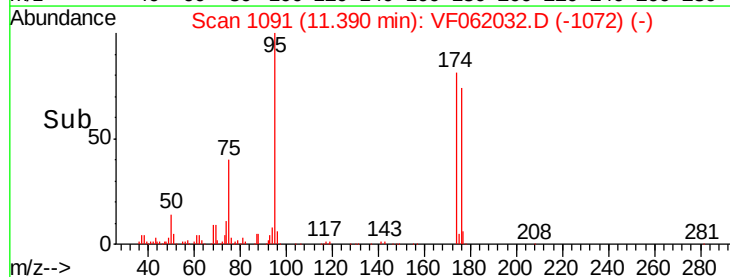
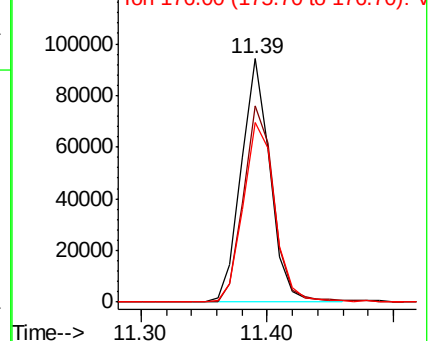
176 73.6 0.0 143.4

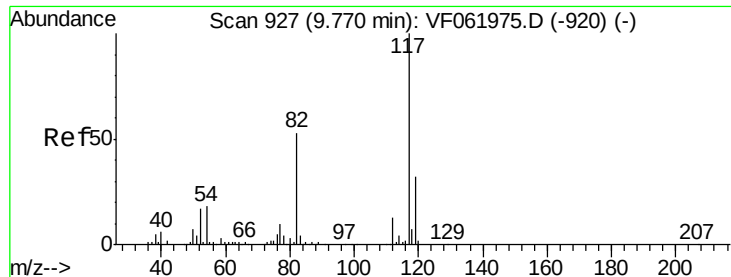


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

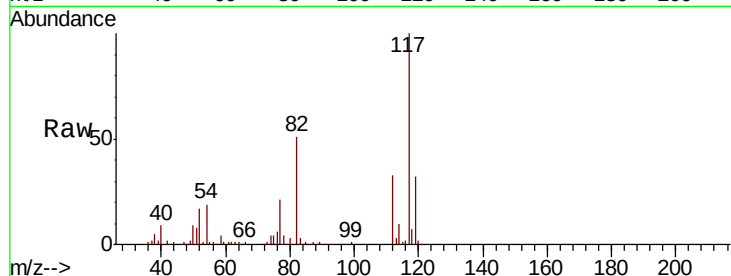




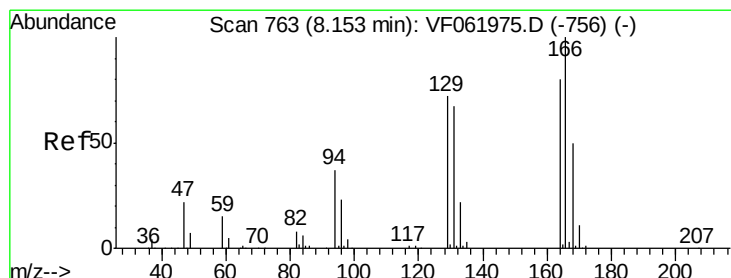
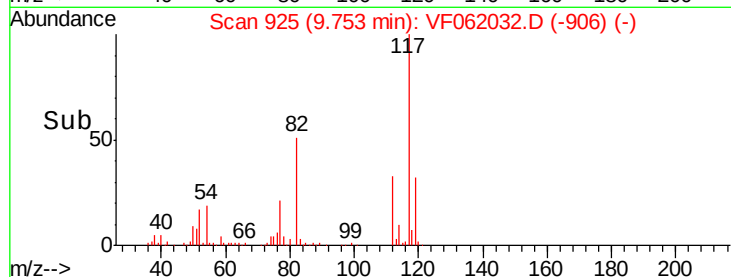
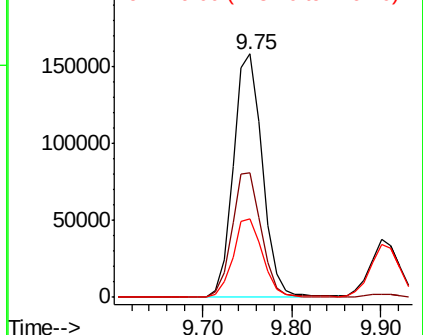
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 362761
Ion Ratio Lower Upper
117 100
82 50.9 42.5 63.7
119 32.3 25.4 38.0



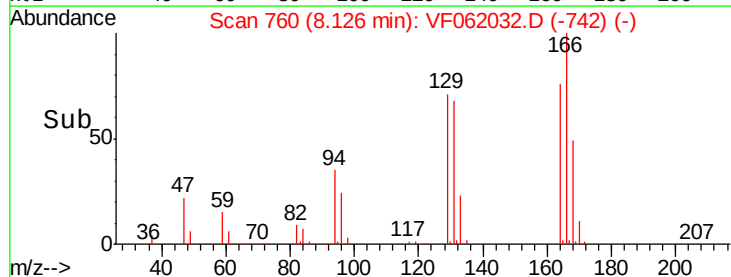
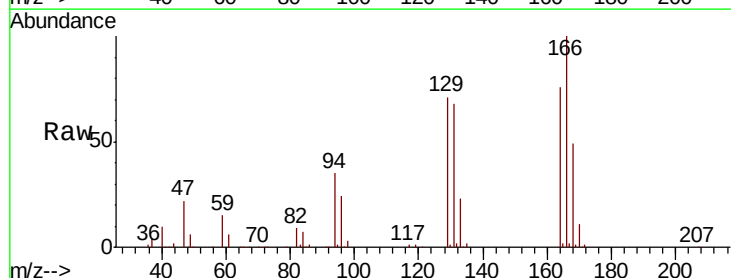
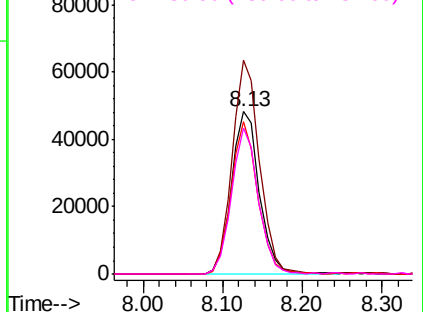
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

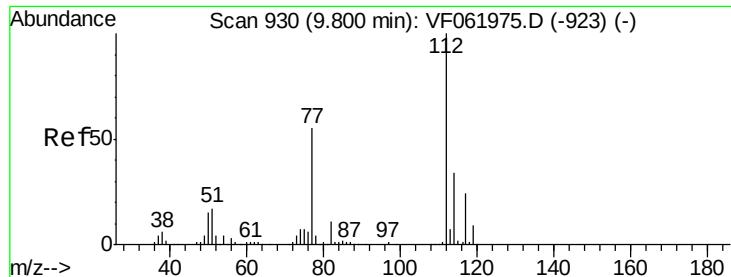


#64
Tetrachloroethene
Concen: 44.840 ug/l
RT: 8.13 min Scan# 760
Delta R.T. -0.03 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

Tgt Ion:164 Resp: 118239
Ion Ratio Lower Upper
164 100
166 131.6 100.0 150.0
129 93.5 72.4 108.6
131 90.0 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

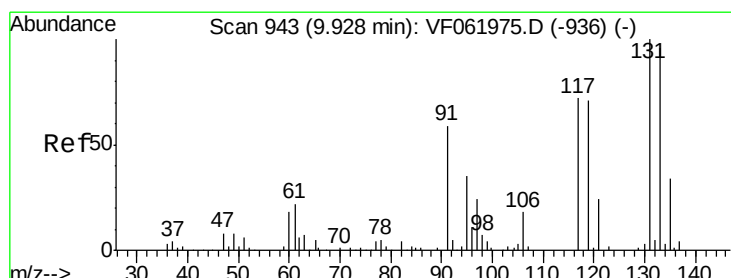
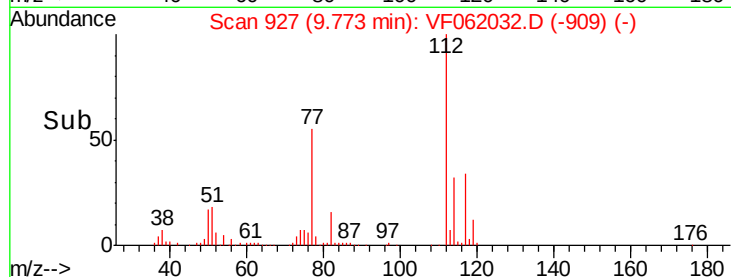
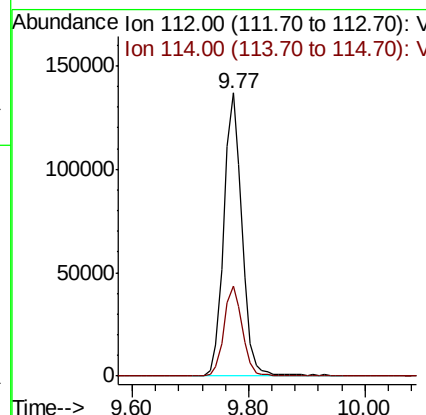
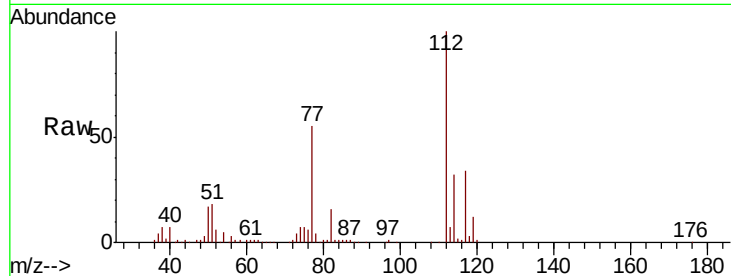




#65
Chlorobenzene
Concen: 44.019 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.03 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

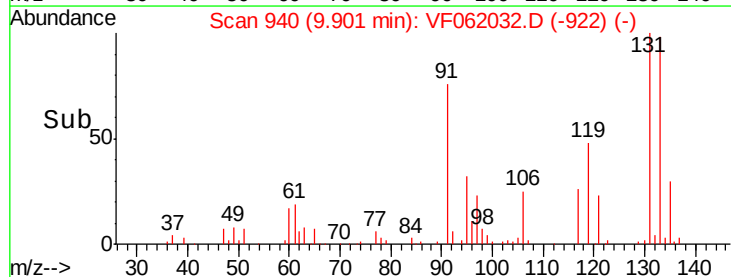
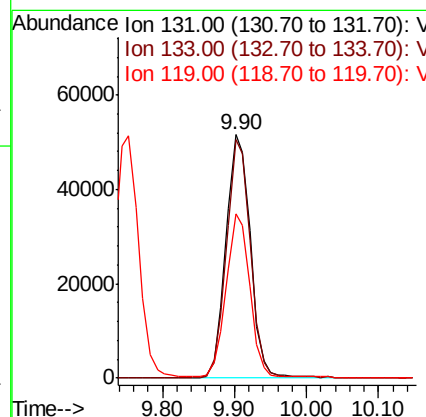
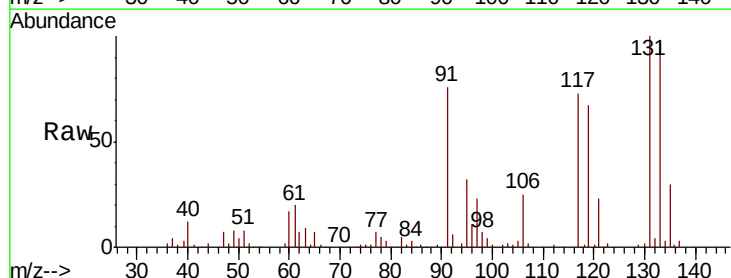
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

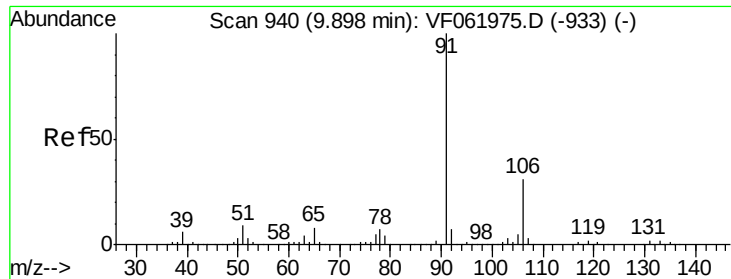
Tgt Ion:112 Resp: 297304
Ion Ratio Lower Upper
112 100
114 32.0 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 46.228 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.03 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

Tgt Ion:131 Resp: 121024
Ion Ratio Lower Upper
131 100
133 97.8 48.0 144.2
119 67.4 35.9 107.7





#67

Ethyl Benzene

Concen: 41.677 ug/l

RT: 9.87 min Scan# 937

Delta R.T. -0.03 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

Instrument :

MSVOA_F

ClientSampleId :

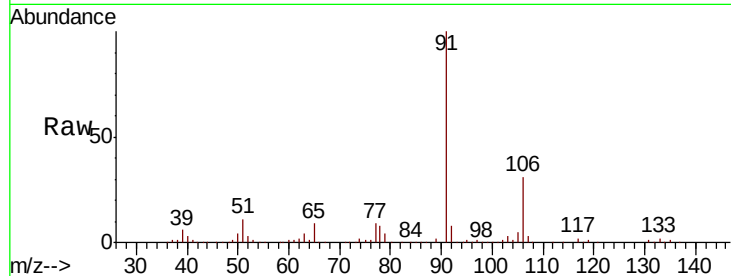
VSTDCCC050

Tgt Ion: 91 Resp: 481962

Ion Ratio Lower Upper

91 100

106 30.7 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

9.87

250000

200000

150000

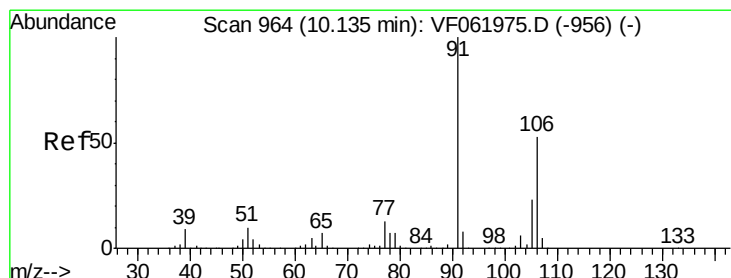
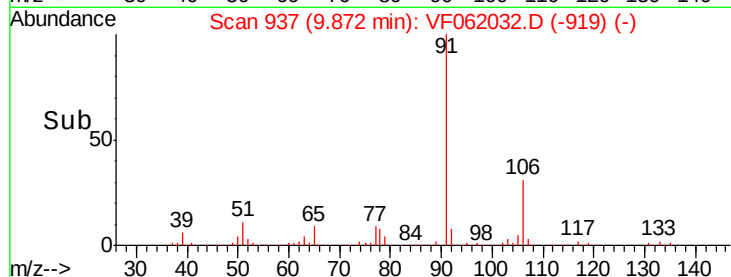
100000

50000

0

Time-->

9.80 9.90 10.00



#68

m/p-Xylenes

Concen: 84.126 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.03 min

Lab File: VF062032.D

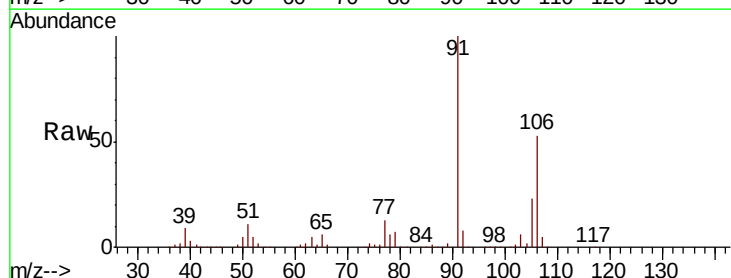
Acq: 20 Mar 2019 10:28

Tgt Ion: 106 Resp: 365899

Ion Ratio Lower Upper

106 100

91 189.9 151.9 227.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

10.11

300000

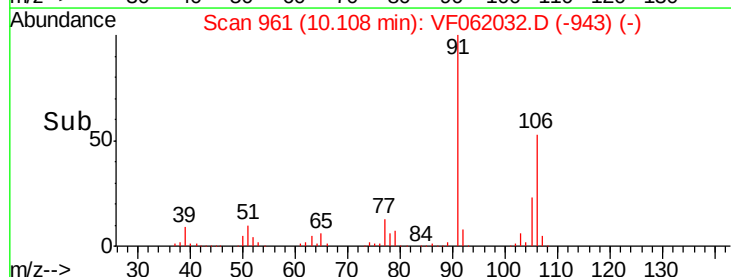
200000

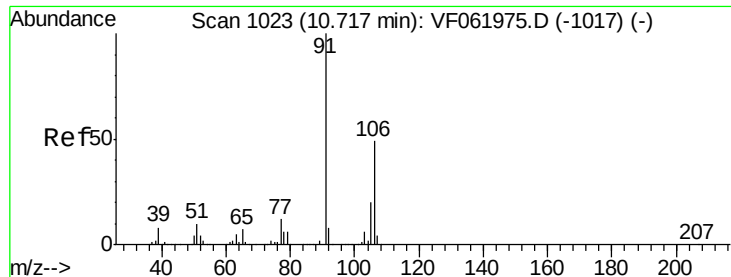
100000

0

Time-->

10.00 10.20

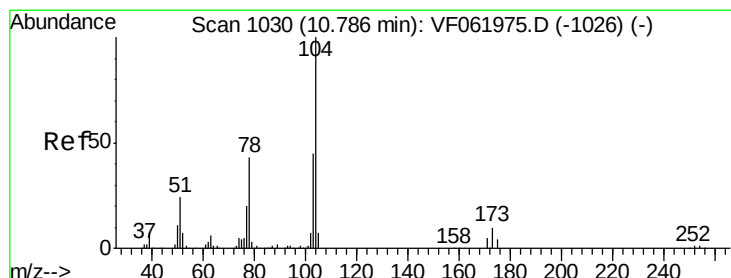
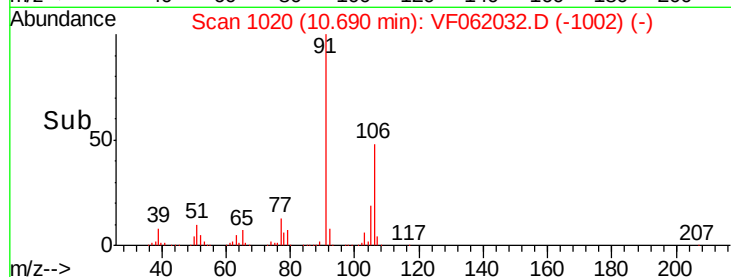
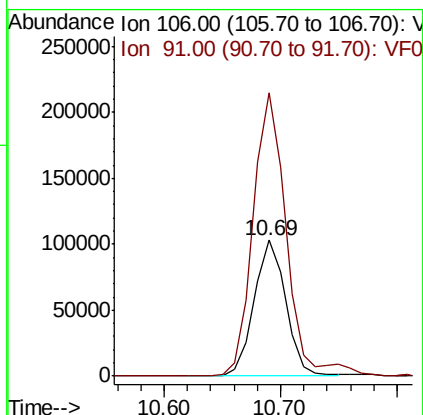
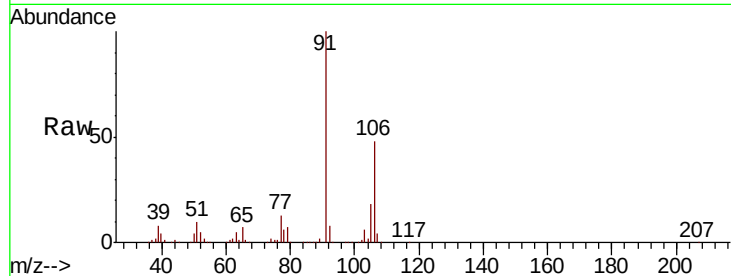




#69
o-Xylene
Concen: 41.580 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.03 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

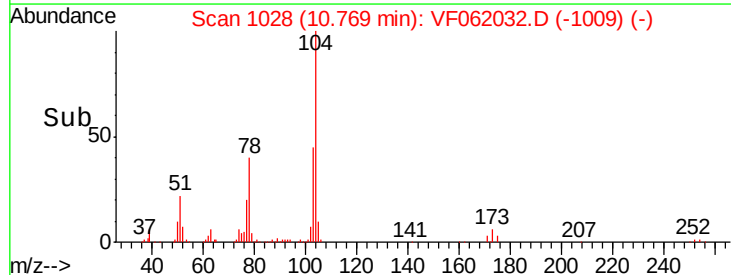
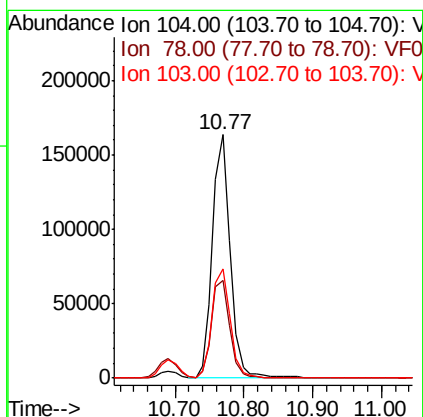
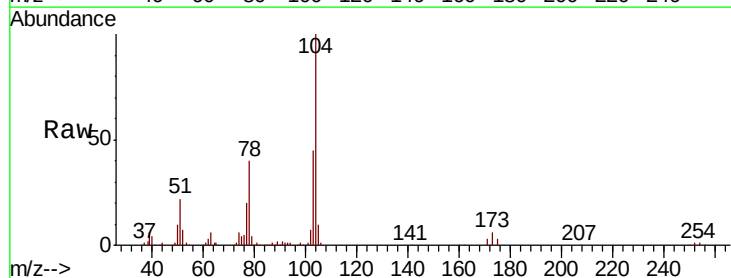
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

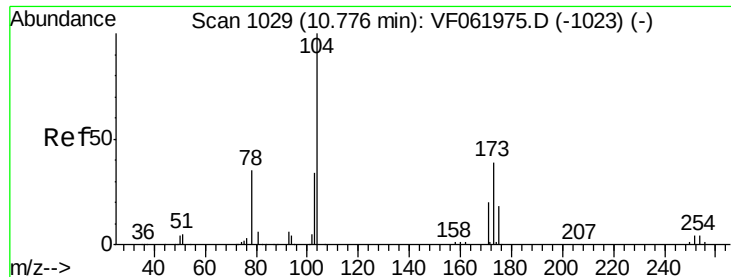
Tgt Ion:106 Resp: 193515
Ion Ratio Lower Upper
106 100
91 208.0 102.3 306.8



#70
Styrene
Concen: 45.625 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

Tgt Ion:104 Resp: 294175
Ion Ratio Lower Upper
104 100
78 40.4 34.7 52.1
103 44.8 36.6 54.8





#71

Bromoform

Concen: 45.993 ug/l

RT: 10.75 min Scan# 1026

Delta R.T. -0.03 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

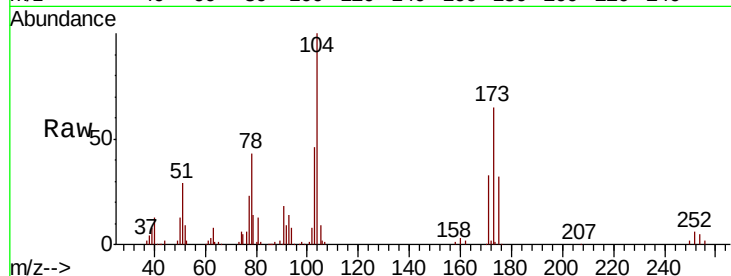
Tgt Ion:173 Resp: 60904

Ion Ratio Lower Upper

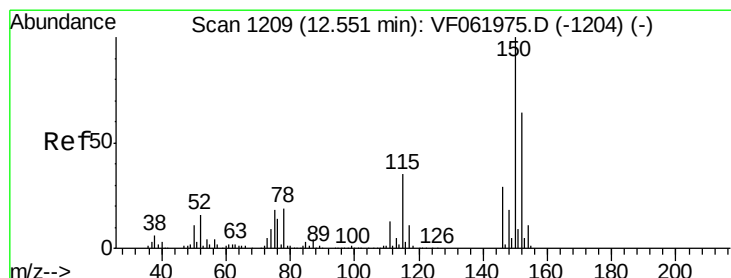
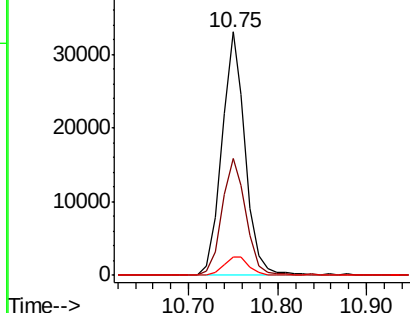
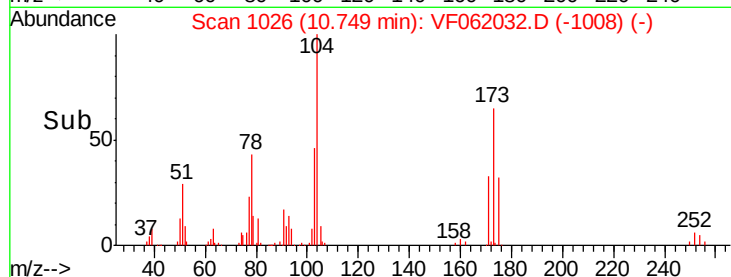
173 100

175 48.0 23.7 71.1

254 7.4 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: 12.53 min Scan# 1207

Delta R.T. -0.02 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

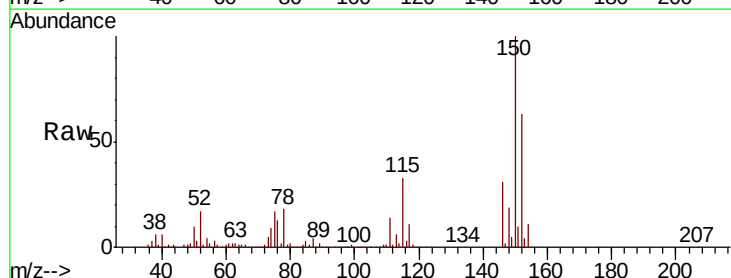
Tgt Ion:152 Resp: 192696

Ion Ratio Lower Upper

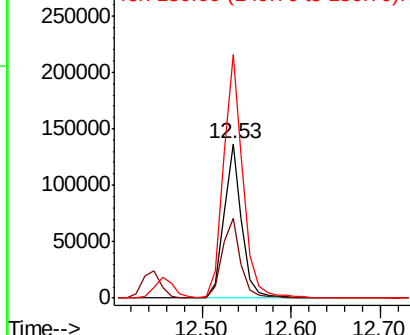
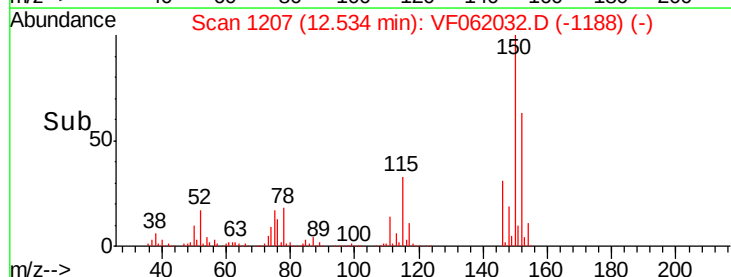
152 100

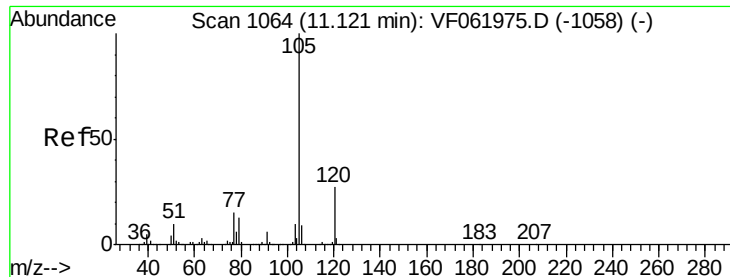
115 51.5 27.3 81.9

150 157.6 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: 44.746 ug/l

RT: 11.10 min Scan# 1062

Delta R.T. -0.02 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

Instrument :

MSVOA_F

ClientSampleId :

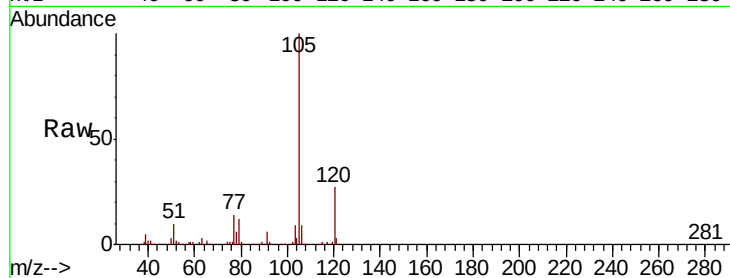
VSTDCCC050

Tgt Ion: 105 Resp: 595680

Ion Ratio Lower Upper

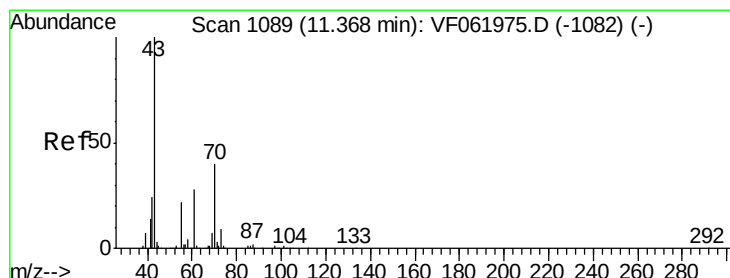
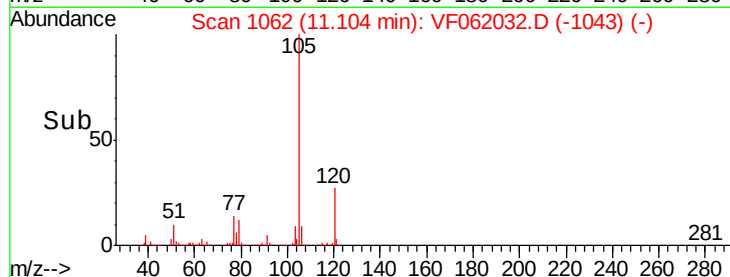
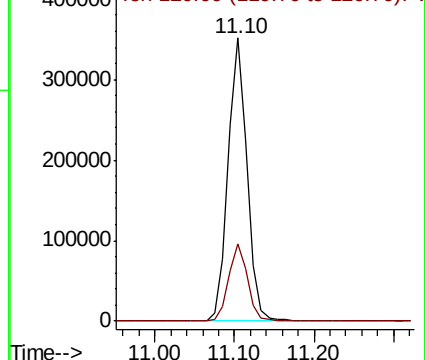
105 100

120 27.2 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 42.860 ug/l

RT: 11.35 min Scan# 1087

Delta R.T. -0.02 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

Tgt Ion: 43 Resp: 130740

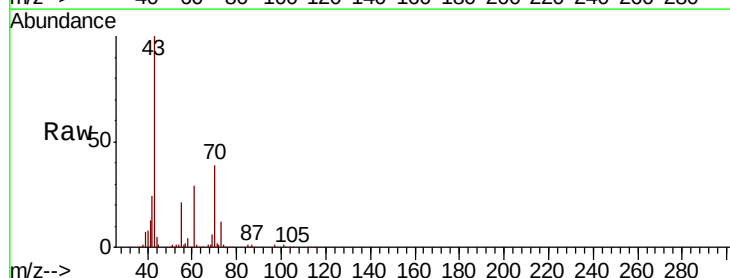
Ion Ratio Lower Upper

43 100

70 38.7 31.9 47.9

55 21.0 17.9 26.9

61 29.1 22.2 33.2

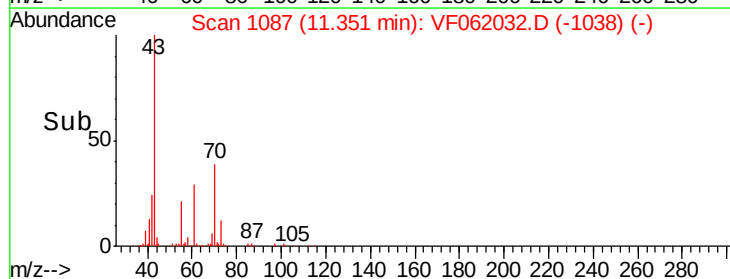
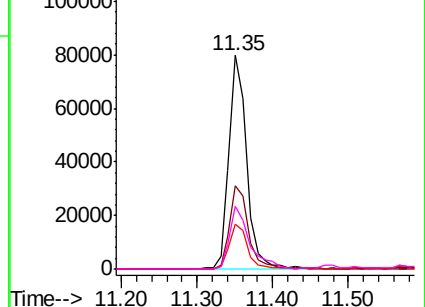


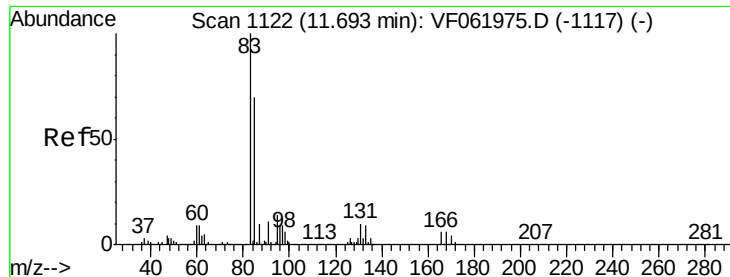
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 43.600 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

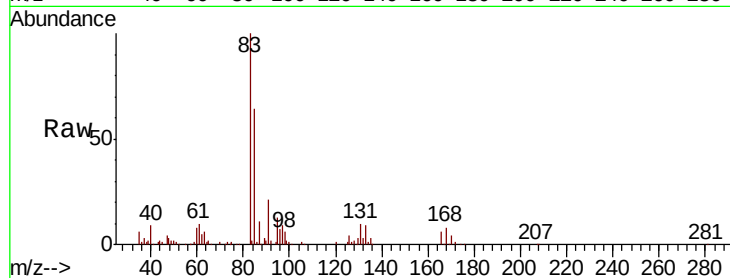
Tgt Ion: 83 Resp: 95807

Ion Ratio Lower Upper

83 100

131 10.3 4.9 14.7

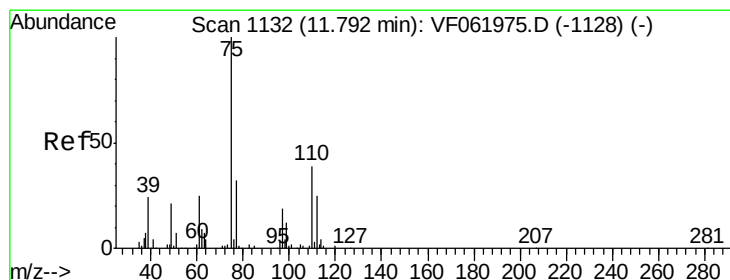
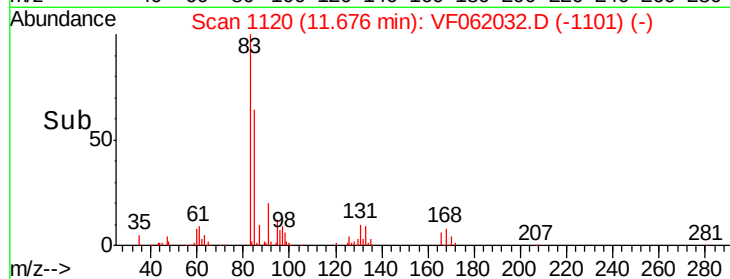
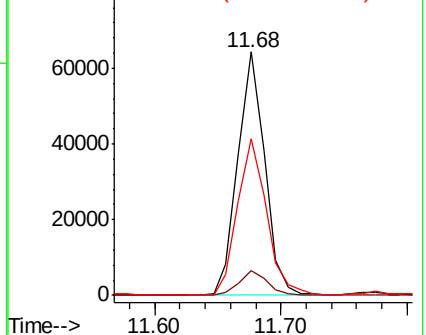
85 64.5 35.3 105.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 42.299 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.02 min

Lab File: VF062032.D

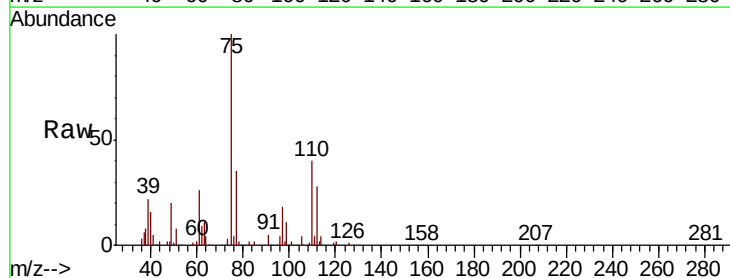
Acq: 20 Mar 2019 10:28

Tgt Ion: 75 Resp: 64995

Ion Ratio Lower Upper

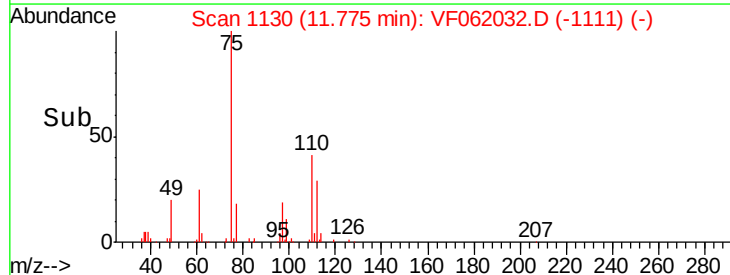
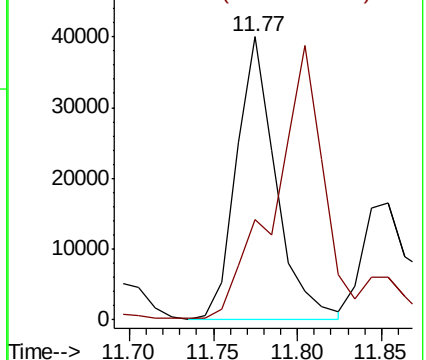
75 100

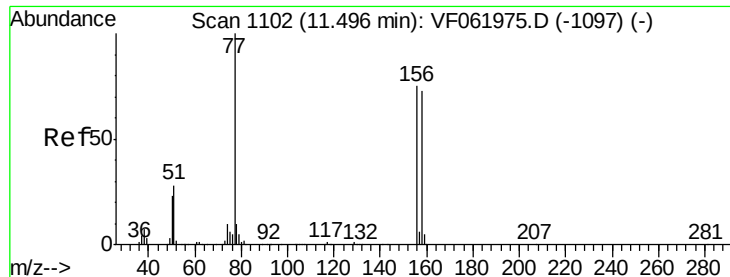
77 35.4 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 44.039 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.02 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

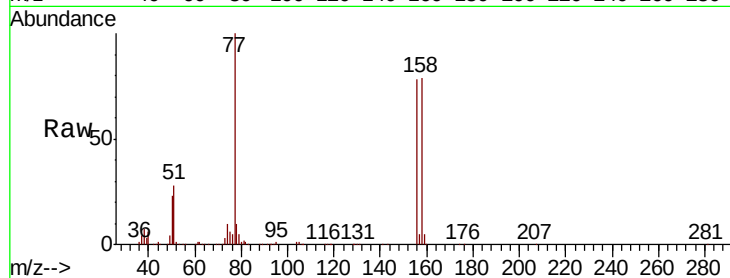
Tgt Ion:156 Resp: 135771

Ion Ratio Lower Upper

156 100

77 128.4 67.0 201.0

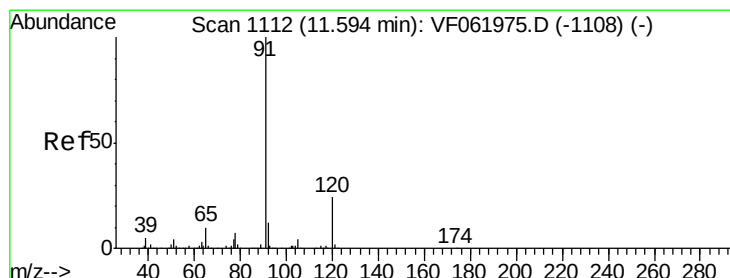
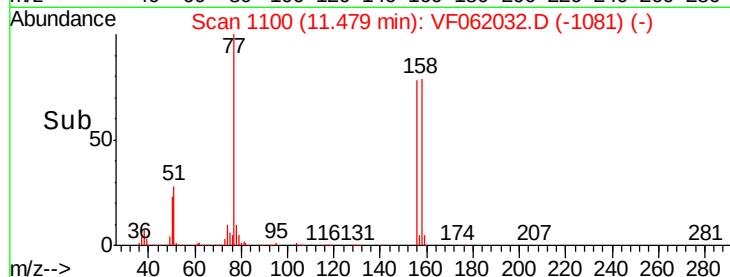
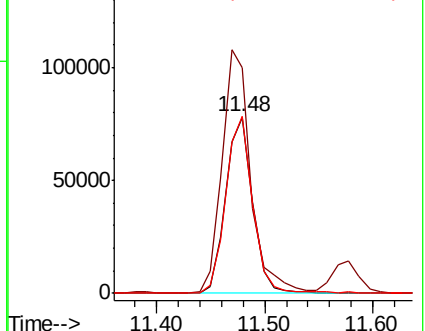
158 101.0 48.9 146.7



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: 41.989 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VF062032.D

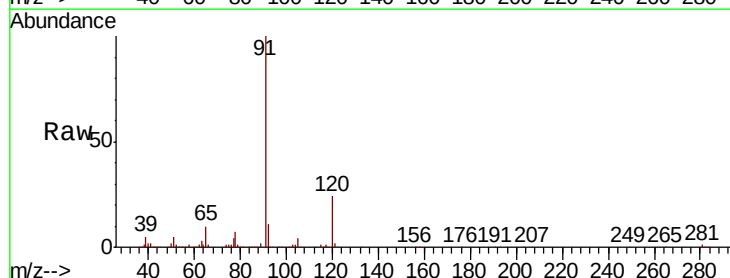
Acq: 20 Mar 2019 10:28

Tgt Ion: 91 Resp: 642742

Ion Ratio Lower Upper

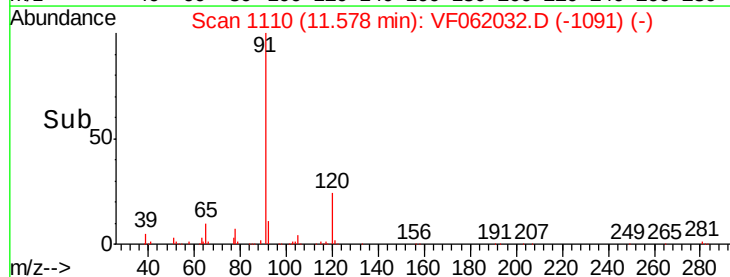
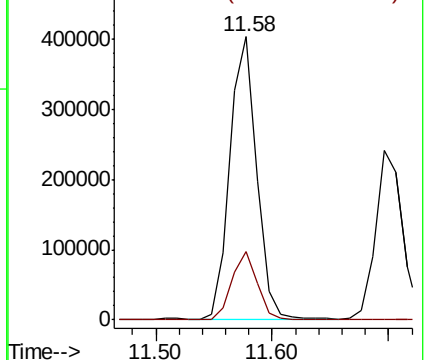
91 100

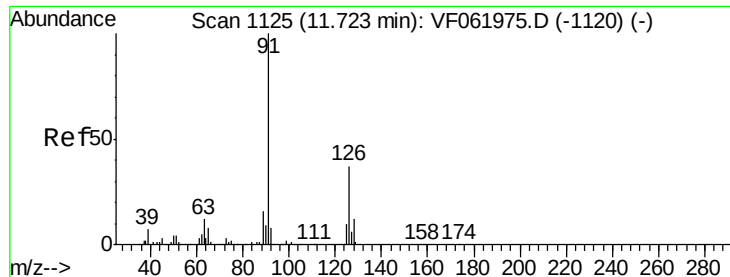
120 24.1 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 44.300 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.03 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

Instrument :

MSVOA_F

ClientSampleId :

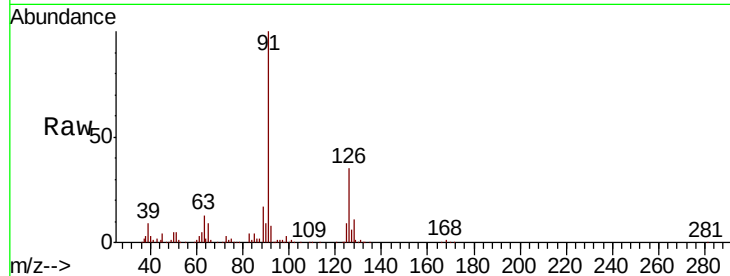
VSTDCCC050

Tgt Ion: 91 Resp: 382772

Ion Ratio Lower Upper

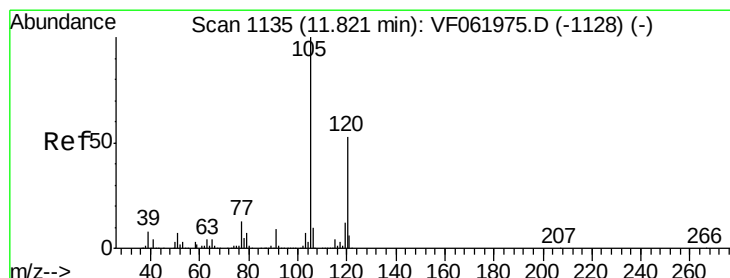
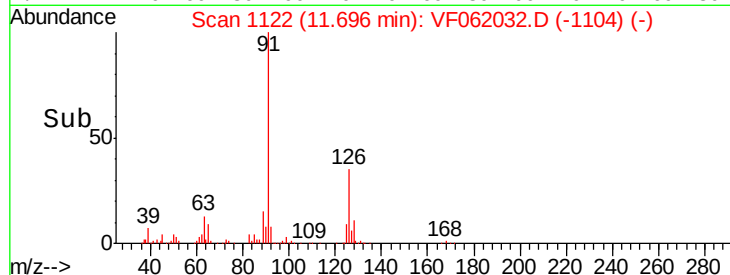
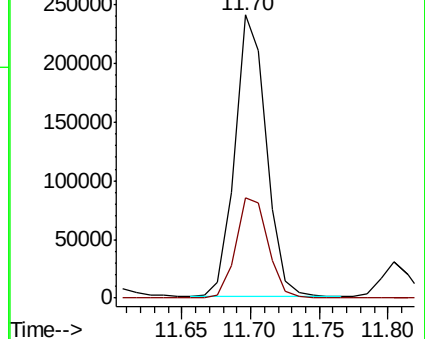
91 100

126 35.3 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 42.458 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.02 min

Lab File: VF062032.D

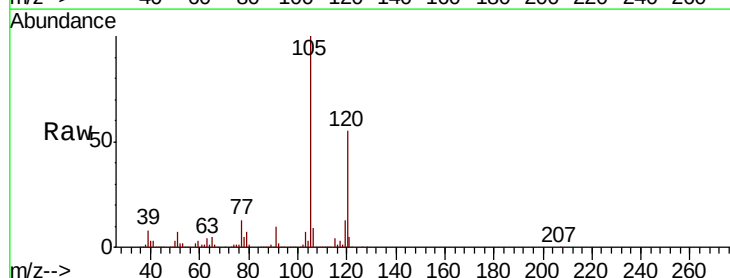
Acq: 20 Mar 2019 10:28

Tgt Ion: 105 Resp: 456577

Ion Ratio Lower Upper

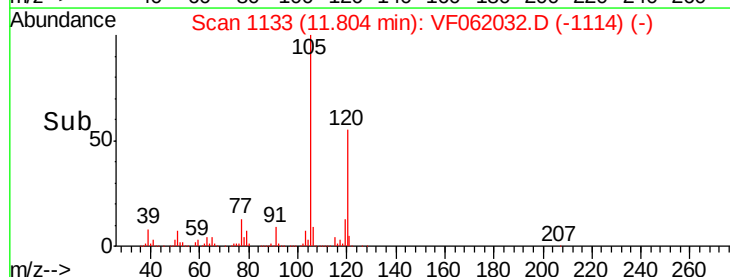
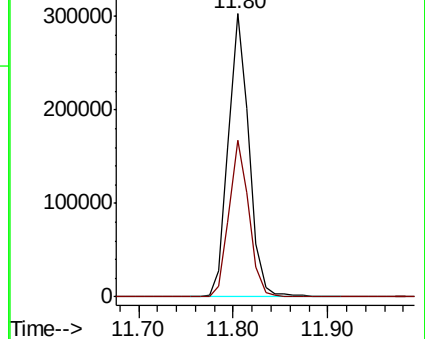
105 100

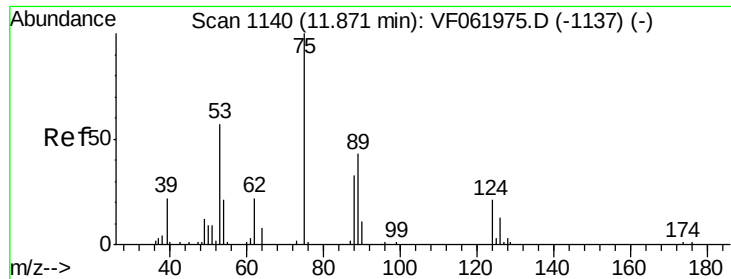
120 55.4 26.6 79.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

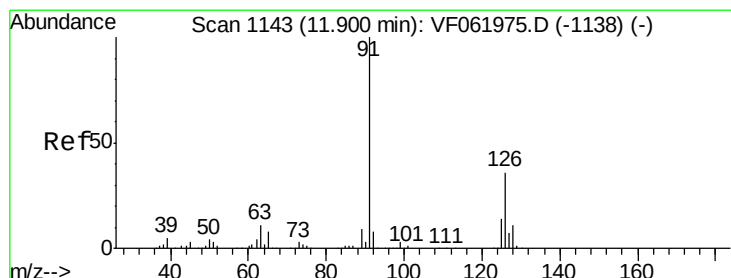
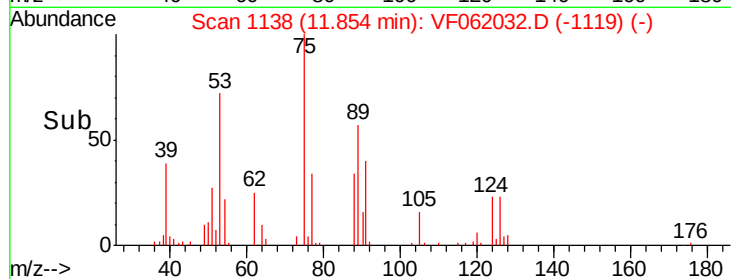
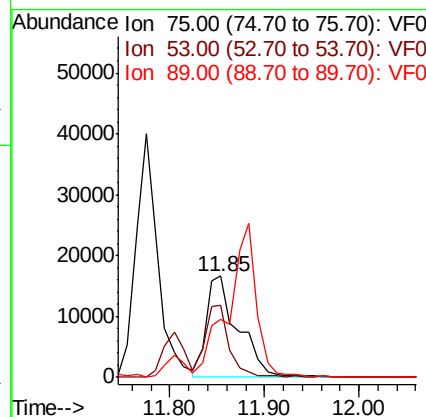
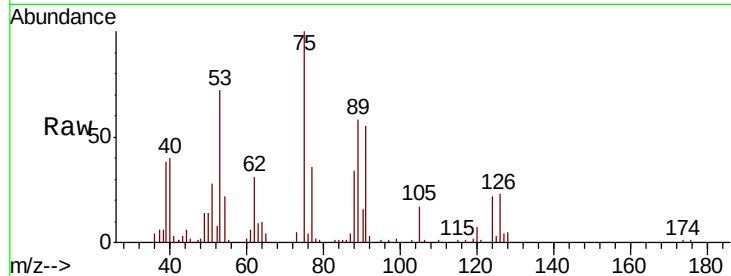




#81
trans-1,4-Dichloro-2-butene
Concen: 57.998 ug/l
RT: 11.85 min Scan# 1138
Delta R.T. -0.02 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

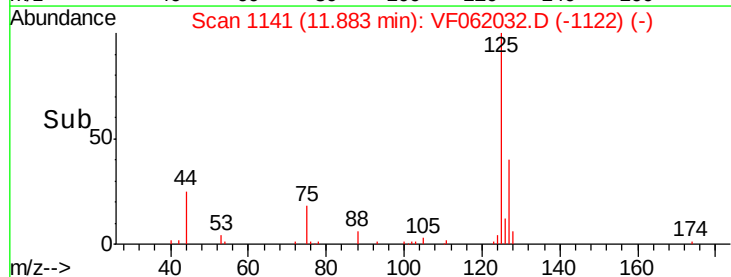
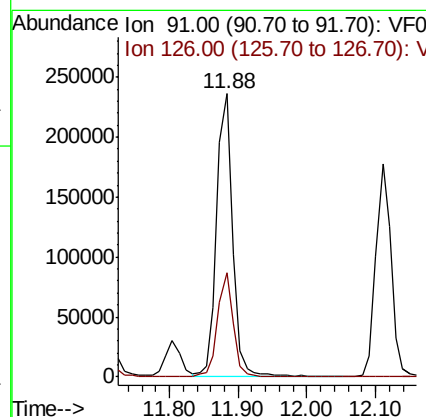
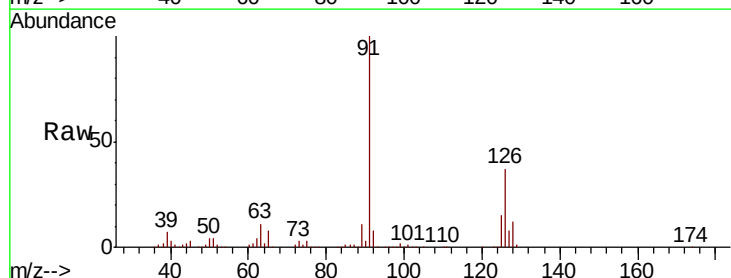
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

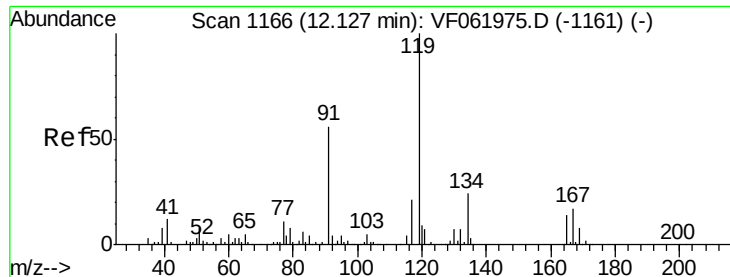
Tgt Ion: 75 Resp: 39424
Ion Ratio Lower Upper
75 100
53 71.7 49.0 73.6
89 57.7 37.1 55.7#



#82
4-Chlorotoluene
Concen: 43.353 ug/l
RT: 11.88 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

Tgt Ion: 91 Resp: 378803
Ion Ratio Lower Upper
91 100
126 36.8 18.1 54.1

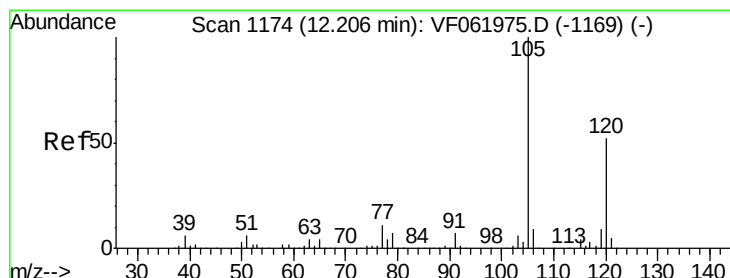
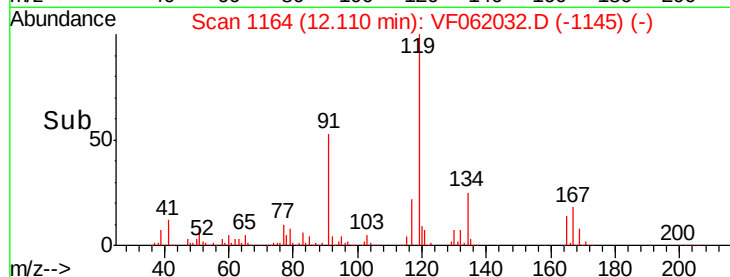
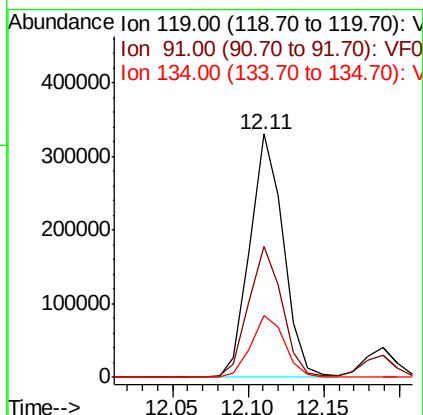
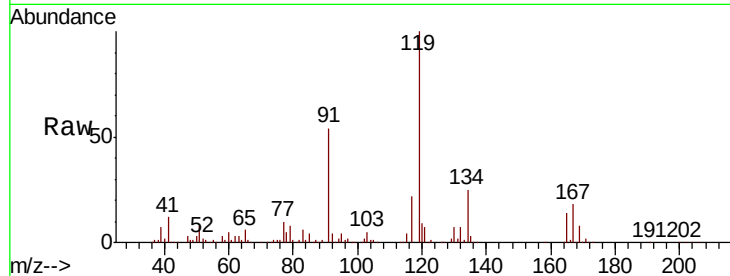




#83
 tert-Butylbenzene
 Concen: 45.627 ug/l
 RT: 12.11 min Scan# 1164
 Delta R.T. -0.02 min
 Lab File: VF062032.D
 Acq: 20 Mar 2019 10:28

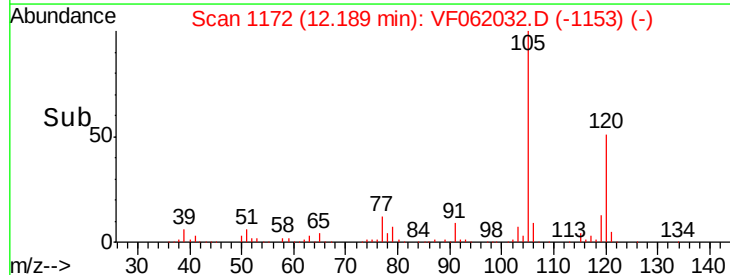
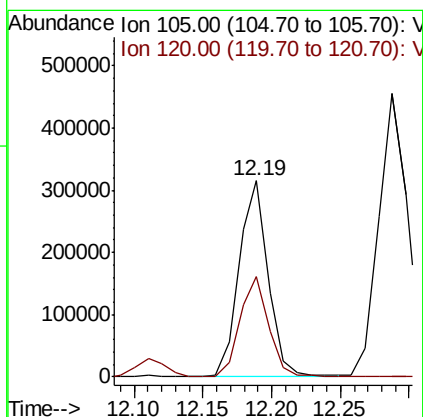
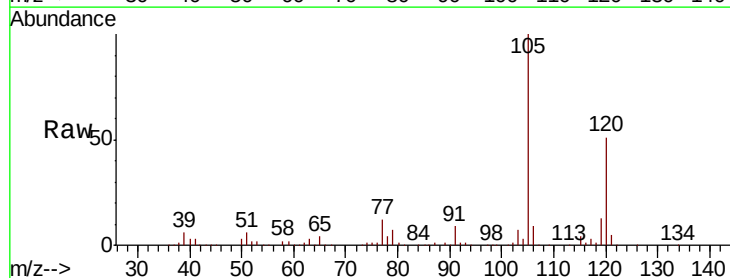
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

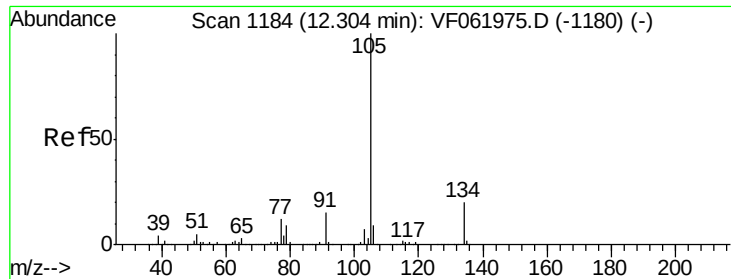
Tgt Ion:119 Resp: 513145
 Ion Ratio Lower Upper
 119 100
 91 53.9 27.9 83.6
 134 25.3 12.3 36.8



#84
 1,2,4-Trimethylbenzene
 Concen: 43.295 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: VF062032.D
 Acq: 20 Mar 2019 10:28

Tgt Ion:105 Resp: 466341
 Ion Ratio Lower Upper
 105 100
 120 51.1 25.9 77.8





#85

sec-Butylbenzene

Concen: 44.452 ug/l

RT: 12.29 min Scan# 1182

Delta R.T. -0.02 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

Instrument :

MSVOA_F

ClientSampleId :

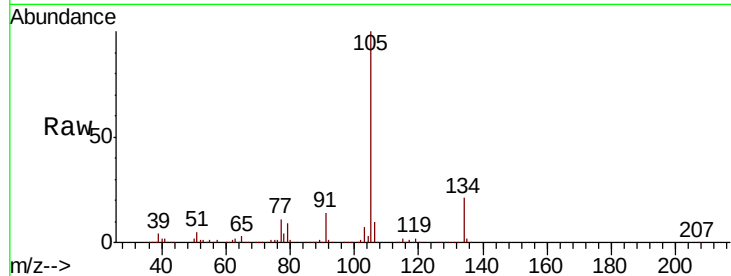
VSTDCCC050

Tgt Ion:105 Resp: 675445

Ion Ratio Lower Upper

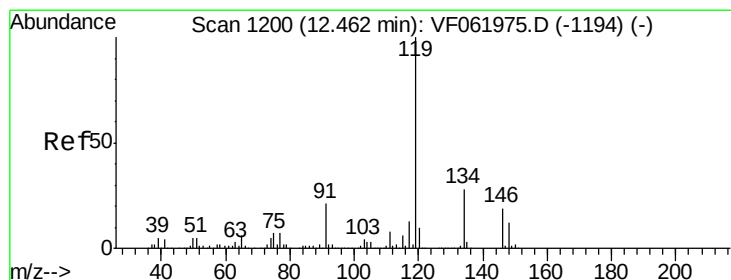
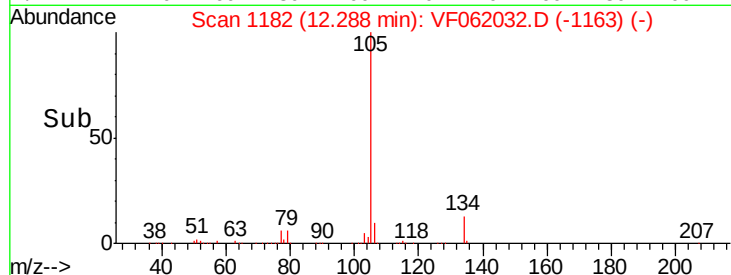
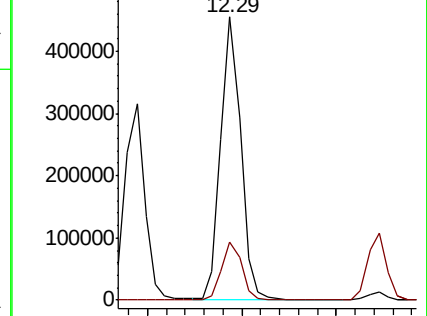
105 100

134 20.7 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: 45.361 ug/l

RT: 12.45 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VF062032.D

Acq: 20 Mar 2019 10:28

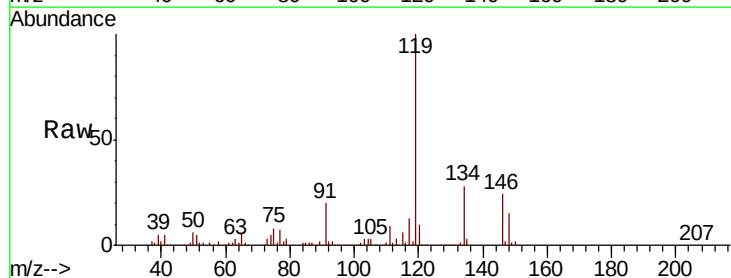
Tgt Ion:119 Resp: 575135

Ion Ratio Lower Upper

119 100

134 28.1 13.9 41.7

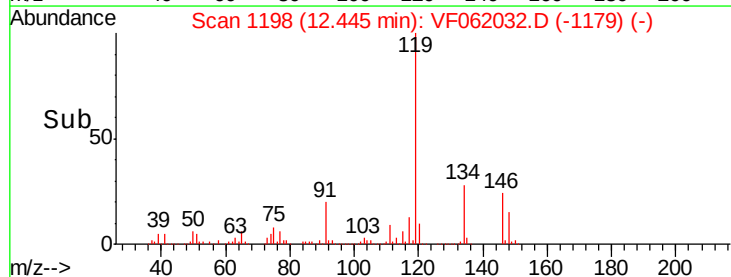
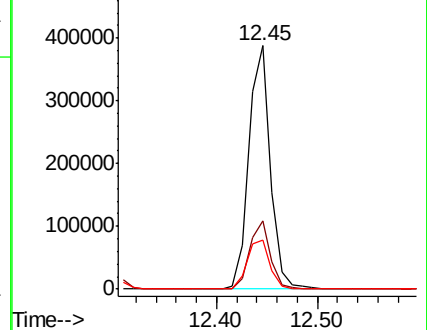
91 20.2 10.4 31.1

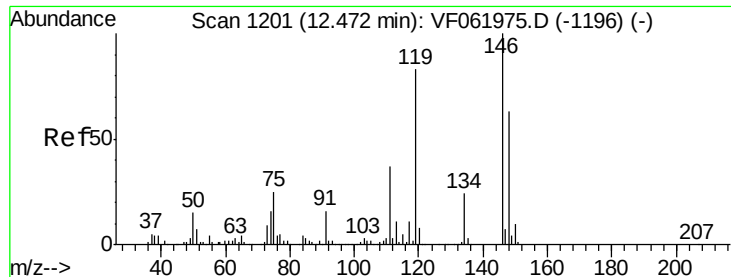


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

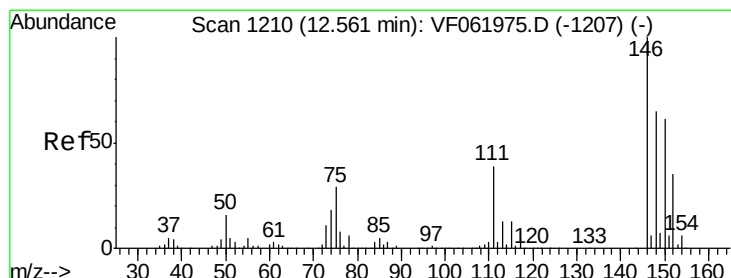
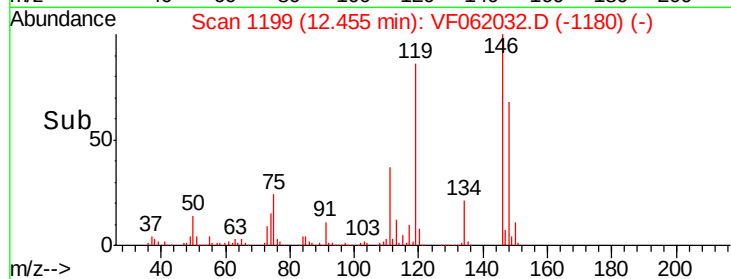
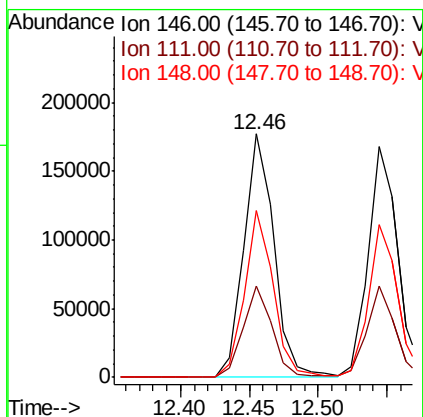
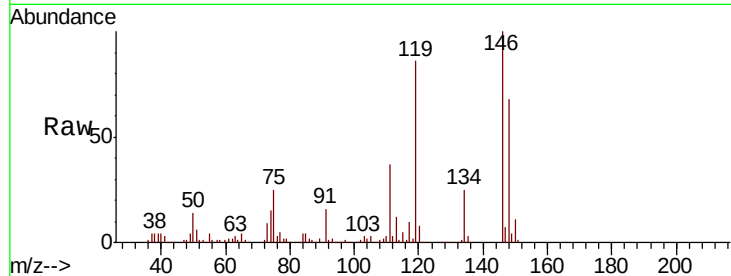




#87
 1,3-Dichlorobenzene
 Concen: 44.981 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: VF062032.D
 Acq: 20 Mar 2019 10:28

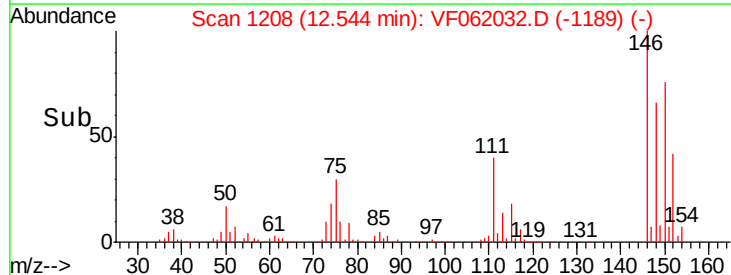
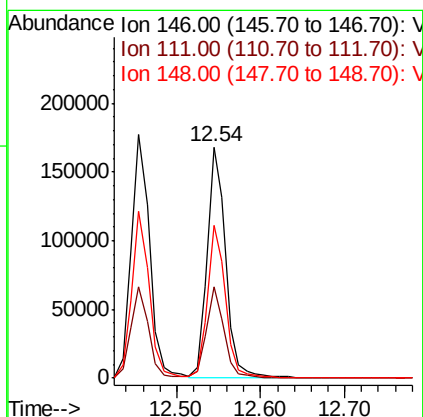
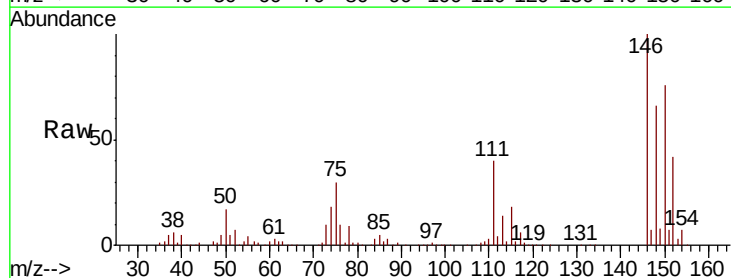
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

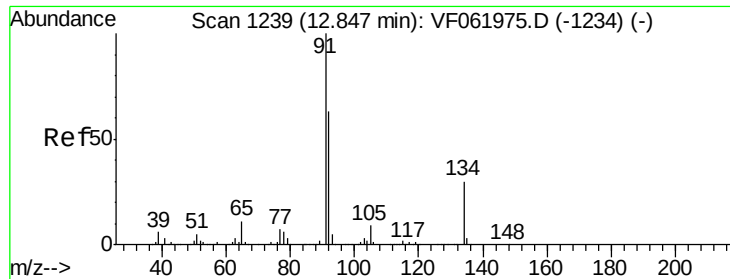
Tgt Ion:146 Resp: 272551
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.6 55.8
 148 68.5 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 44.079 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.02 min
 Lab File: VF062032.D
 Acq: 20 Mar 2019 10:28

Tgt Ion:146 Resp: 257074
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.4 58.1
 148 66.2 32.4 97.0

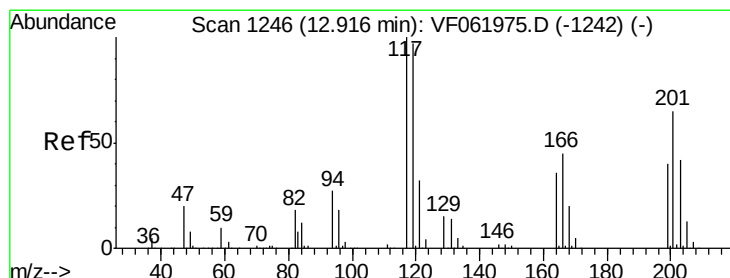
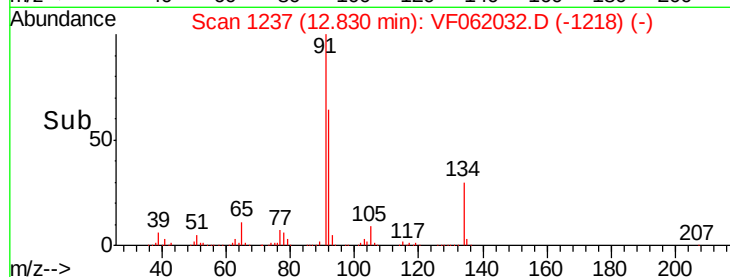
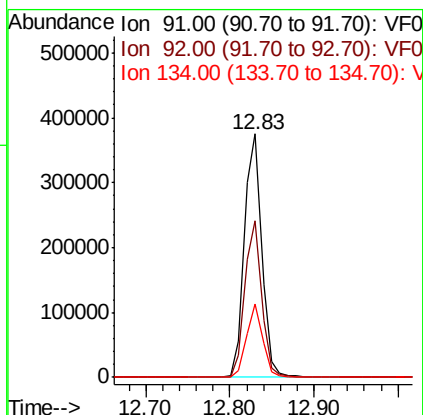
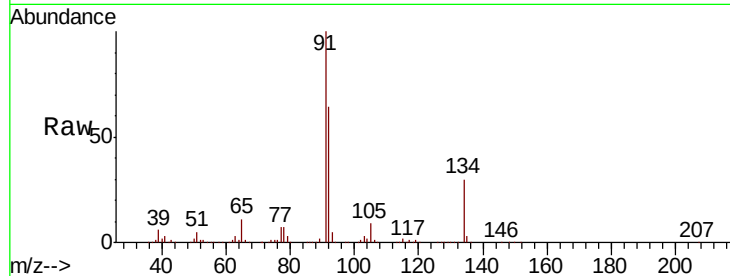




#89
n-Butylbenzene
Concen: 45.456 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

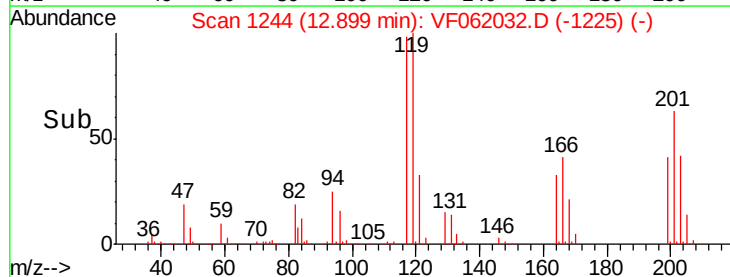
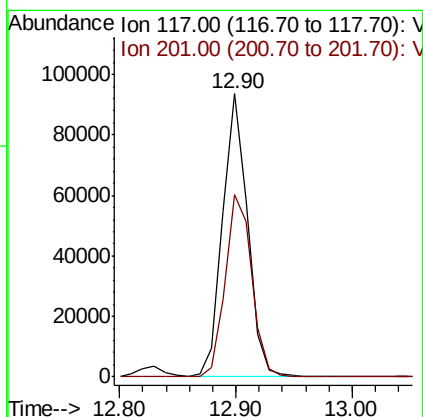
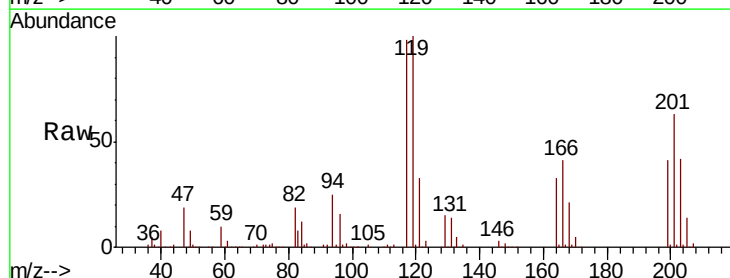
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

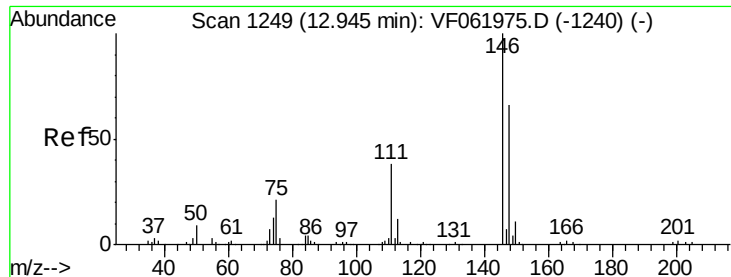
Tgt Ion: 91 Resp: 541566
Ion Ratio Lower Upper
91 100
92 64.4 31.7 95.1
134 30.4 15.1 45.3



#90
Hexachloroethane
Concen: 48.205 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.02 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

Tgt Ion: 117 Resp: 139483
Ion Ratio Lower Upper
117 100
201 64.4 32.5 97.5

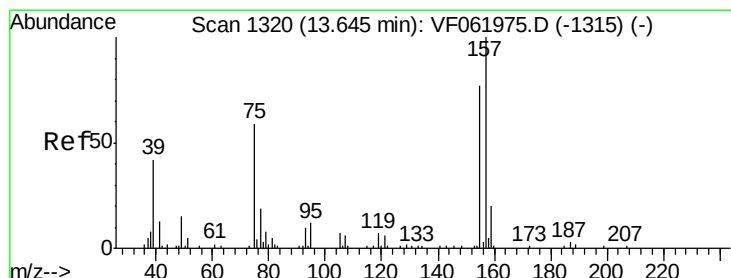
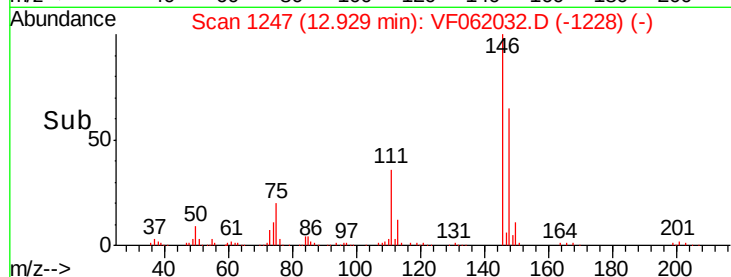
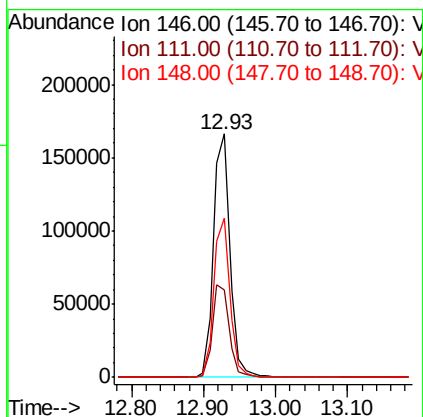
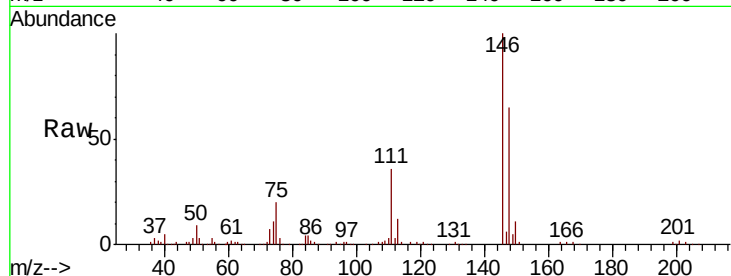




#91
 1,2-Dichlorobenzene
 Concen: 46.264 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: VF062032.D
 Acq: 20 Mar 2019 10:28

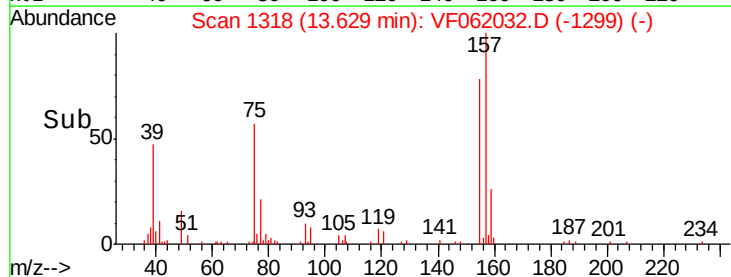
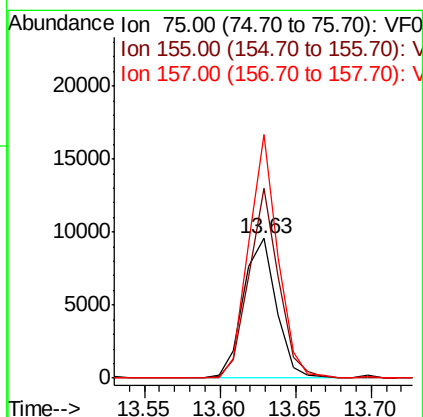
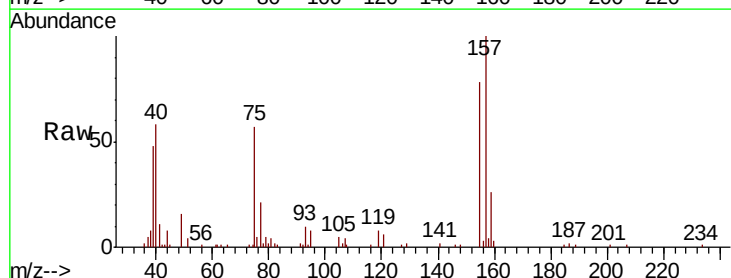
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

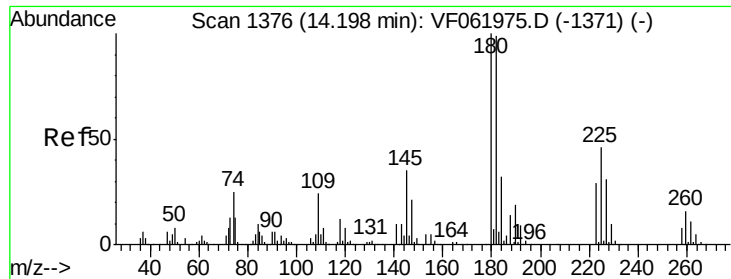
Tgt Ion: 146 Resp: 259633
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.9 56.5
 148 65.5 32.9 98.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.427 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: VF062032.D
 Acq: 20 Mar 2019 10:28

Tgt Ion: 75 Resp: 14608
 Ion Ratio Lower Upper
 75 100
 155 136.1 65.0 195.1
 157 174.7 84.7 254.0

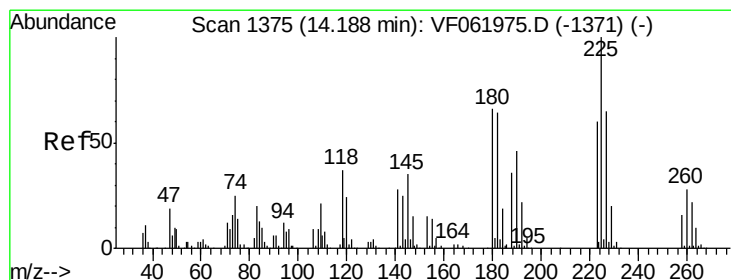
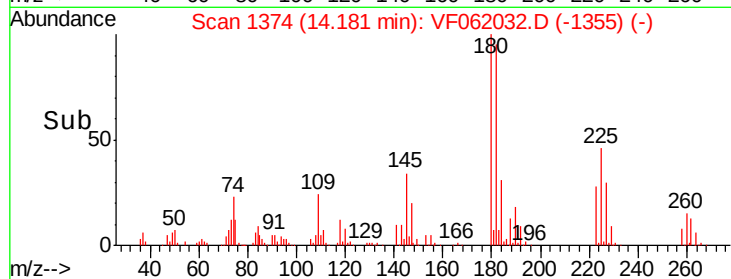
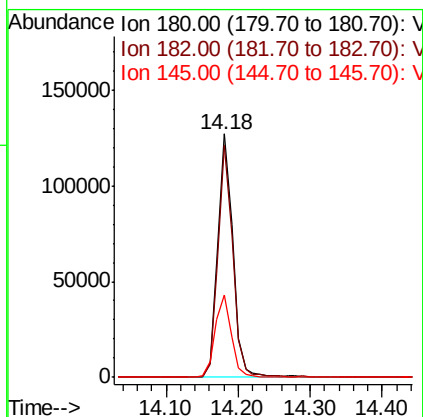
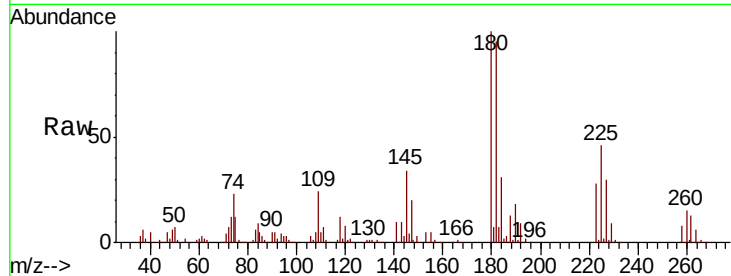




#93
 1,2,4-Trichlorobenzene
 Concen: 46.436 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF062032.D
 Acq: 20 Mar 2019 10:28

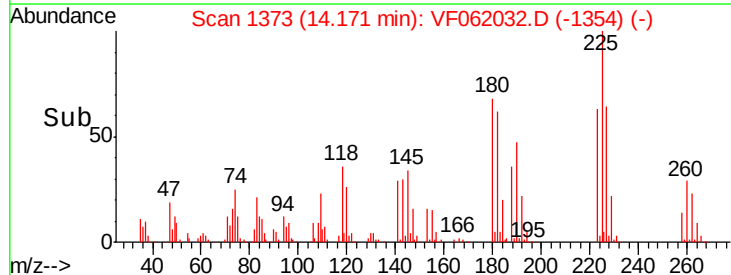
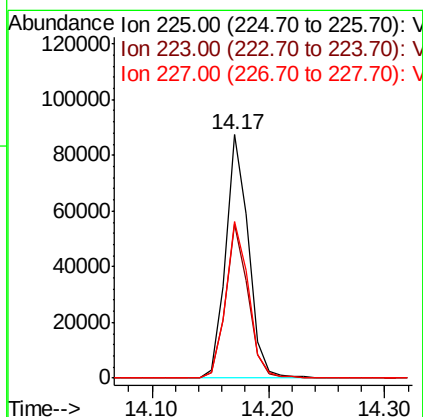
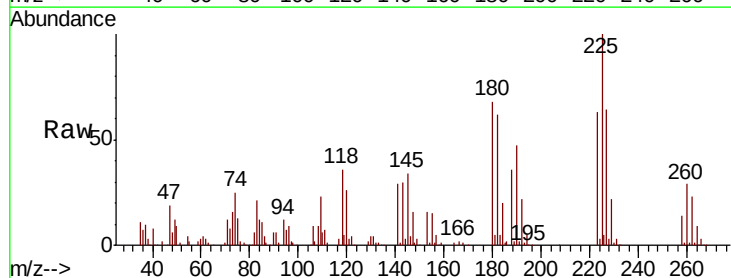
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

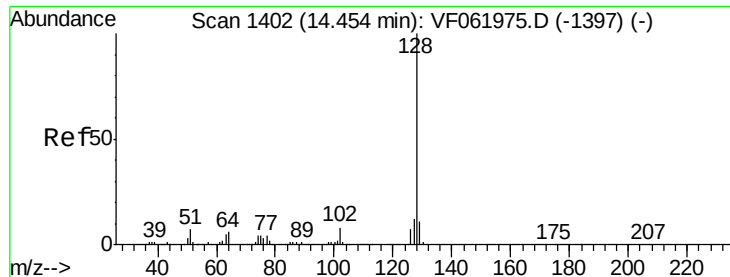
Tgt Ion:180 Resp: 181470
 Ion Ratio Lower Upper
 180 100
 182 95.4 49.6 149.0
 145 34.0 17.5 52.5



#94
 Hexachlorobutadiene
 Concen: 45.616 ug/l
 RT: 14.17 min Scan# 1373
 Delta R.T. -0.02 min
 Lab File: VF062032.D
 Acq: 20 Mar 2019 10:28

Tgt Ion:225 Resp: 118347
 Ion Ratio Lower Upper
 225 100
 223 63.2 29.9 89.7
 227 64.5 32.4 97.2

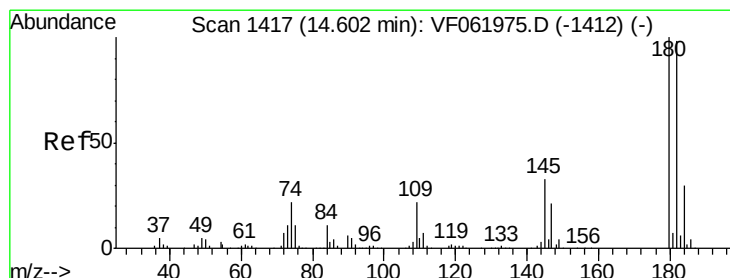
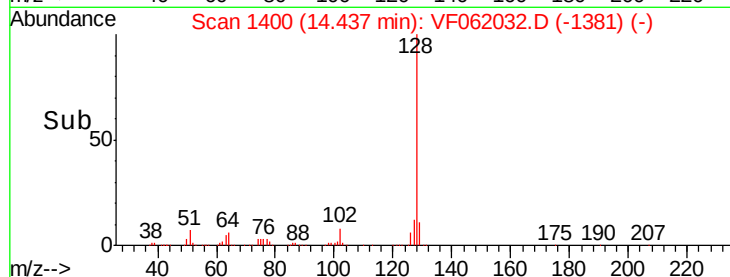
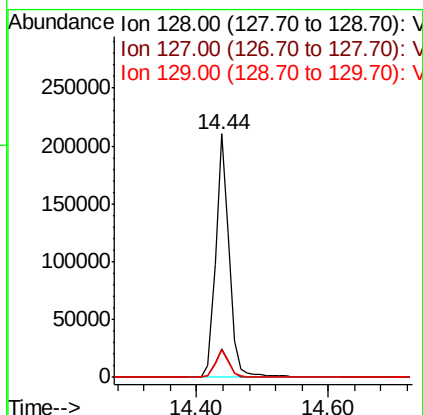
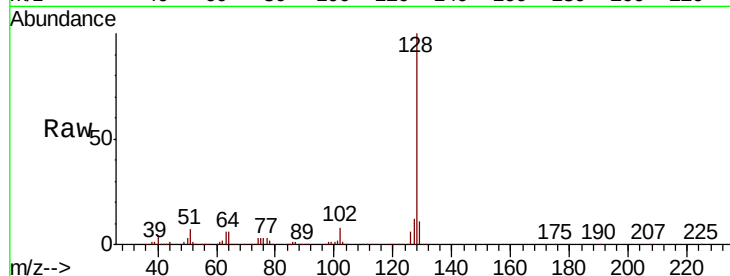




#95
Naphthalene
Concen: 42.148 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.02 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 296246
Ion Ratio Lower Upper
128 100
127 11.7 9.3 13.9
129 11.3 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 46.997 ug/l
RT: 14.59 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF062032.D
Acq: 20 Mar 2019 10:28

Tgt Ion:180 Resp: 168971
Ion Ratio Lower Upper
180 100
182 101.2 48.9 146.8
145 32.2 16.7 50.1

