

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122718\
 Data File : VF061202.D
 Acq On : 27 Dec 2018 12:05
 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: Jan 09 06:05:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	195047	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.57	114	341062	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	312653	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.53	152	146544	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	118081	47.07	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.14%	
35) Dibromofluoromethane	4.09	113	132674	48.56	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.12%	
50) Toluene-d8	7.53	98	372052	48.05	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.10%	
62) 4-Bromofluorobenzene	11.39	95	162265	45.46	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	90.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.95	85	200240	46.183	ug/l	99
3) Chloromethane	1.09	50	132941	53.528	ug/l	96
4) Vinyl Chloride	1.13	62	111825	48.537	ug/l	97
5) Bromomethane	1.32	94	74051	46.339	ug/l	92
6) Chloroethane	1.39	64	48595	45.775	ug/l #	81
7) Trichlorofluoromethane	1.47	101	162213	36.874	ug/l	98
8) Diethyl Ether	1.61	74	31984	53.094	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.83	101	110670	48.521	ug/l	92
10) Methyl Iodide	1.89	142	135558	37.704	ug/l	95
11) Tert butyl alcohol	2.56	59	22965	226.851	ug/l	96
12) 1,1-Dichloroethene	1.78	96	91795	53.390	ug/l	91
13) Acrolein	1.83	56	645	8.817	ug/l	84
14) Allyl chloride	2.08	41	112958	63.132	ug/l	92
15) Acrylonitrile	2.93	53	60866	260.009	ug/l	94
16) Acetone	2.22	43	132331	263.868	ug/l	96
17) Carbon Disulfide	1.82	76	188471	36.273	ug/l	96
18) Methyl Acetate	2.32	43	50720	48.883	ug/l	99
19) Methyl tert-butyl Ether	2.41	73	183367	48.048	ug/l	98
20) Methylene Chloride	2.17	84	29564	15.333	ug/l	90
21) trans-1,2-Dichloroethene	2.30	96	91817	49.930	ug/l	90
22) Diisopropyl ether	2.78	45	307014	51.512	ug/l	97
23) Vinyl Acetate	3.16	43	696810	253.432	ug/l	99
24) 1,1-Dichloroethane	2.85	63	186831	52.907	ug/l	98
25) 2-Butanone	4.31	43	194137	238.690	ug/l	96
26) 2,2-Dichloropropane	3.57	77	109661	54.113	ug/l	97
27) cis-1,2-Dichloroethene	3.45	96	136128	48.354	ug/l	97
28) Bromochloromethane	3.70	49	86751	48.416	ug/l	93
29) Tetrahydrofuran	4.04	42	81825	247.176	ug/l	98
30) Chloroform	3.83	83	258240	48.771	ug/l	93
31) Cyclohexane	3.66	56	104734	28.582	ug/l	97
32) 1,1,1-Trichloroethane	4.07	97	154496	48.681	ug/l	95
36) 1,1-Dichloropropene	4.25	75	199939	48.566	ug/l	99
37) Ethyl Acetate	4.08	43	73013	44.774	ug/l #	70
38) Carbon Tetrachloride	3.96	117	156511	49.921	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	185588	50.249	ug/l	97
40) Benzene	4.60	78	427842	48.326	ug/l	95
41) Methacrylonitrile	4.72	41	40426	46.497	ug/l #	93
42) 1,2-Dichloroethane	4.92	62	156629	46.571	ug/l	97
43) Isopropyl Acetate	6.93	43	87533	44.035	ug/l #	95
44) Trichloroethene	5.48	130	131242	47.020	ug/l	100
45) 1,2-Dichloropropane	6.21	63	114894	47.700	ug/l	96
46) Dibromomethane	6.06	93	74246	47.525	ug/l	94
47) Bromodichloromethane	6.36	83	197613	48.684	ug/l	94
48) Methyl methacrylate	6.69	41	59663	42.994	ug/l	97
49) 1,4-Dioxane	6.68	88	9463	939.795	ug/l #	85
51) 4-Methyl-2-Pentanone	8.23	43	307159	225.307	ug/l	99
52) Toluene	7.60	92	264075	45.061	ug/l	98
53) t-1,3-Dichloropropene	8.25	75	147392	45.012	ug/l	98
54) cis-1,3-Dichloropropene	7.28	75	190851	46.438	ug/l	99
55) 1,1,2-Trichloroethane	8.47	97	81362	46.311	ug/l	93
56) Ethyl methacrylate	8.60	69	89073	46.854	ug/l	92
57) 1,3-Dichloropropane	8.83	76	150543	47.378	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.27	63	51267	140.414	ug/l	98
59) 2-Hexanone	9.47	43	232099	235.418	ug/l	99
60) Dibromochloromethane	8.69	129	116554	46.281	ug/l	98
61) 1,2-Dibromoethane	8.96	107	84229	44.890	ug/l	91
64) Tetrachloroethene	8.13	164	112629	46.829	ug/l	97
65) Chlorobenzene	9.77	112	314178	48.642	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	127930	48.467	ug/l	93
67) Ethyl Benzene	9.88	91	552854	46.983	ug/l	99
68) m/p-Xylenes	10.11	106	394480	95.260	ug/l	99
69) o-Xylene	10.69	106	227073	49.441	ug/l	93
70) Styrene	10.77	104	296071	53.217	ug/l	99
71) Bromoform	10.75	173	58927	48.255	ug/l #	95
73) Isopropylbenzene	11.10	105	657763	52.086	ug/l	99
74) N-amyl acetate	11.35	43	142289	50.750	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	103574	49.417	ug/l	96
76) 1,2,3-Trichloropropane	11.77	75	74779	47.942	ug/l	96
77) Bromobenzene	11.48	156	129493	47.634	ug/l	89
78) n-propylbenzene	11.58	91	720901	49.473	ug/l	97
79) 2-Chlorotoluene	11.71	91	422245	48.740	ug/l	99
80) 1,3,5-Trimethylbenzene	11.80	105	516182	49.640	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	46210	68.945	ug/l	93
82) 4-Chlorotoluene	11.88	91	431168	48.112	ug/l	99
83) tert-Butylbenzene	12.11	119	523331	48.907	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	508726	49.059	ug/l	98
85) sec-Butylbenzene	12.29	105	704724	50.467	ug/l	100
86) p-Isopropyltoluene	12.45	119	570428	49.213	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	241491	54.968	ug/l	97
88) 1,4-Dichlorobenzene	12.54	146	241244	48.328	ug/l	95
89) n-Butylbenzene	12.83	91	608539	52.630	ug/l	99
90) Hexachloroethane	12.90	117	148674	51.917	ug/l	94
91) 1,2-Dichlorobenzene	12.93	146	237600	48.890	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.63	75	19836	51.575	ug/l	83

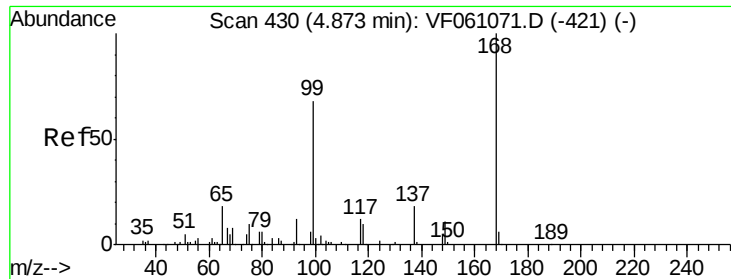
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF122718\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	167485	48.594	ug/l	97
94) Hexachlorobutadiene	14.17	225	114524	52.170	ug/l	96
95) Naphthalene	14.44	128	312910	49.718	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	161799	50.780	ug/l	97

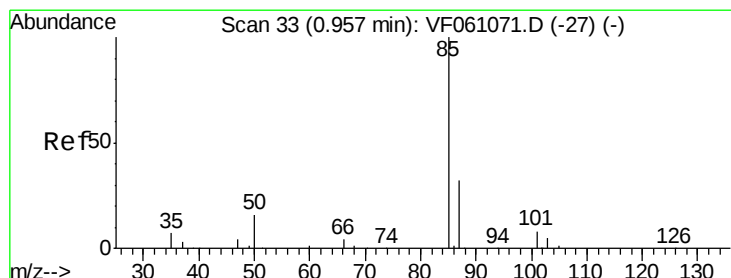
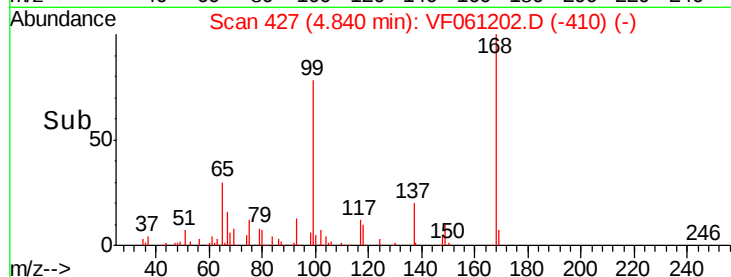
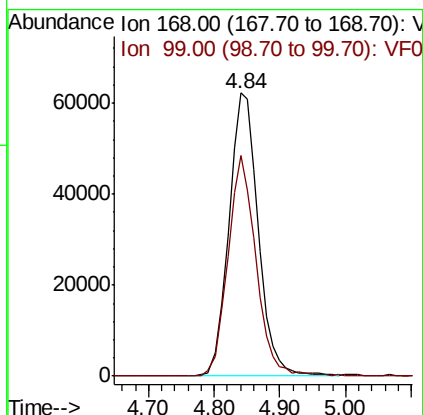
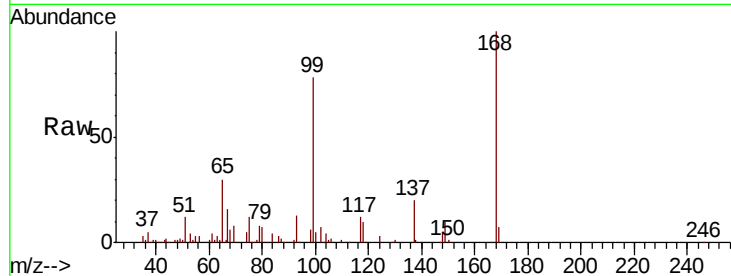
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.03 min
Lab File: VF061202.D
Acq: 27 Dec 2018 12:05

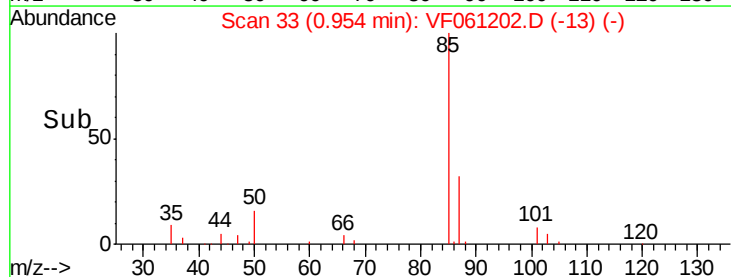
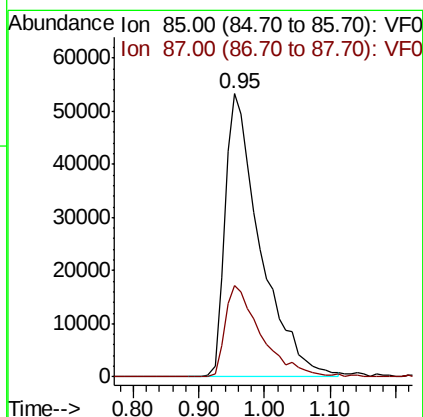
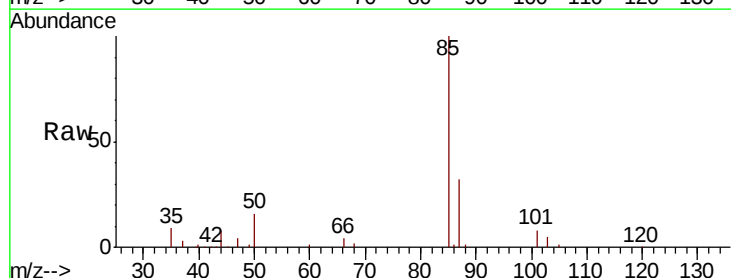
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 195047
Ion Ratio Lower Upper
168 100
99 77.8 54.4 81.6



#2
Dichlorodifluoromethane
Concen: 46.183 ug/l
RT: 0.95 min Scan# 33
Delta R.T. -0.00 min
Lab File: VF061202.D
Acq: 27 Dec 2018 12:05

Tgt Ion: 85 Resp: 200240
Ion Ratio Lower Upper
85 100
87 32.5 15.9 47.6





#3

Chloromethane

Concen: 53.528 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

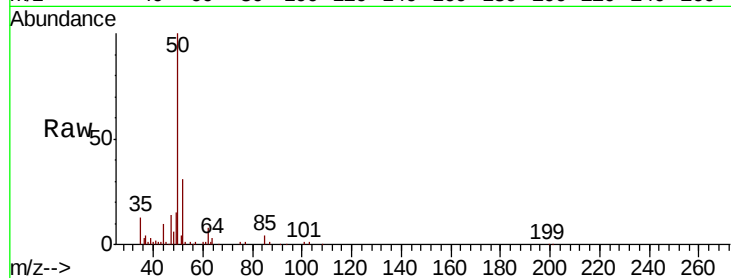
VSTDCCC050

Tgt Ion: 50 Resp: 132941

Ion Ratio Lower Upper

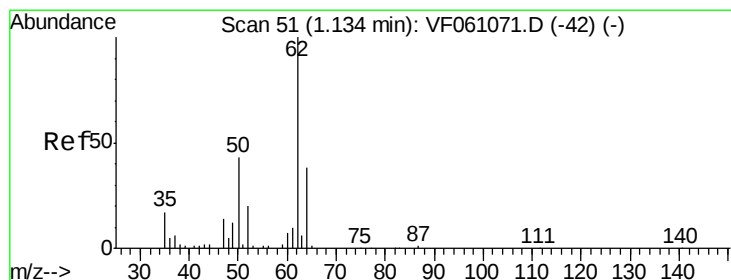
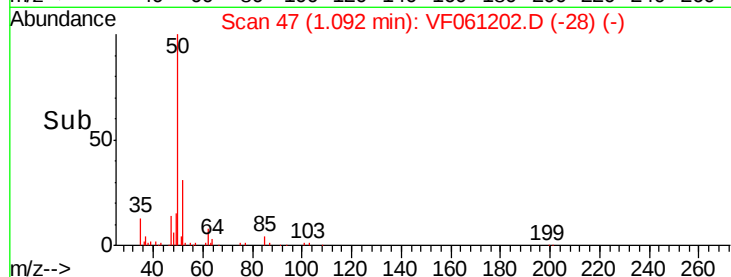
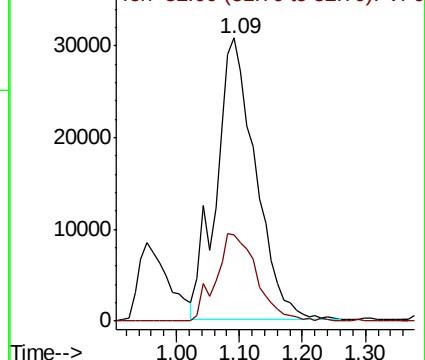
50 100

52 30.5 26.3 39.5



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 48.537 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061202.D

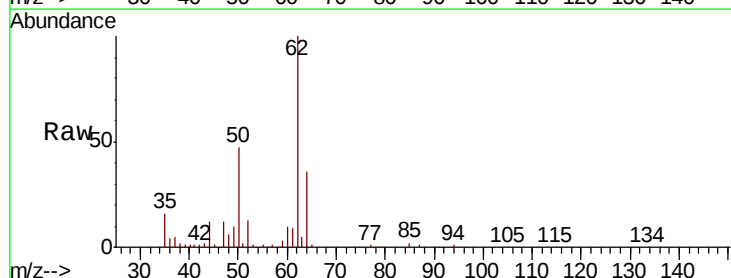
Acq: 27 Dec 2018 12:05

Tgt Ion: 62 Resp: 111825

Ion Ratio Lower Upper

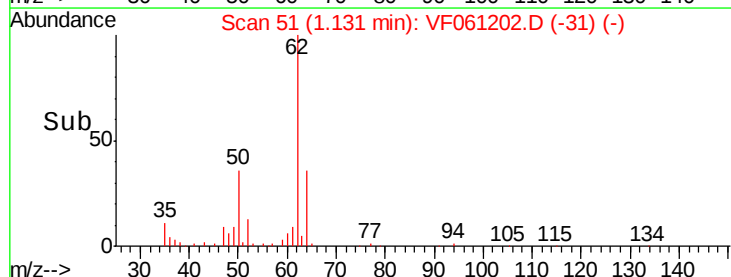
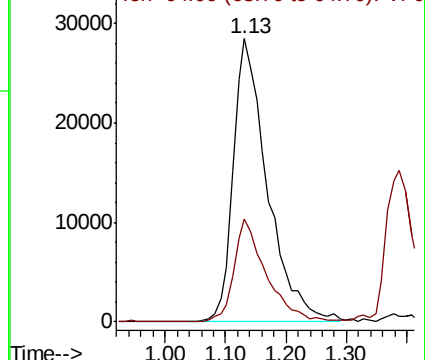
62 100

64 36.4 30.4 45.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 46.339 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

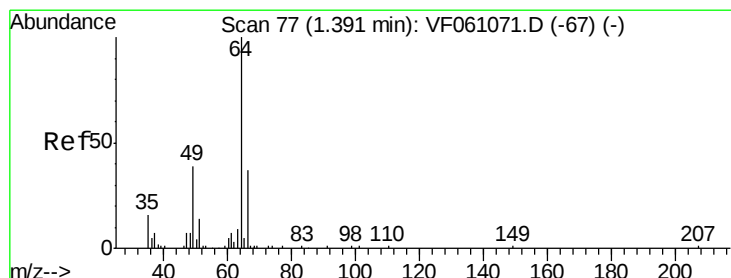
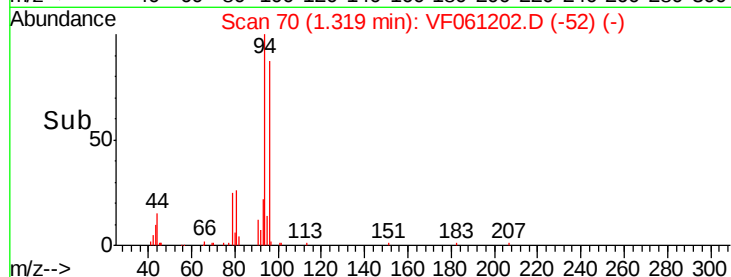
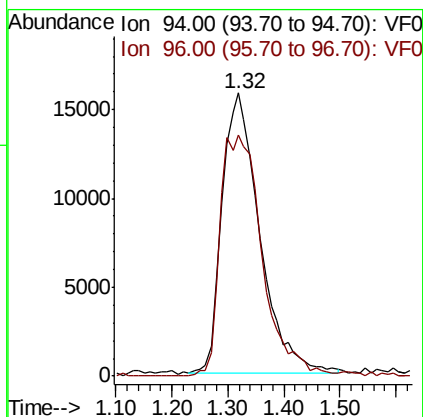
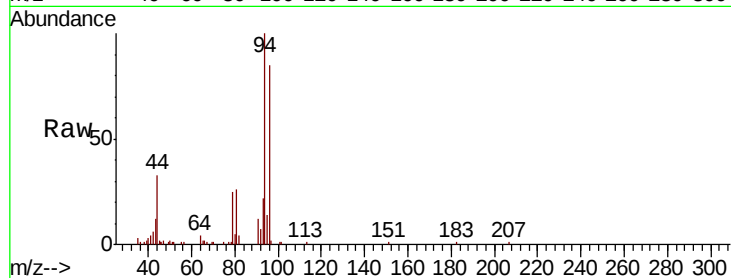
VSTDCCC050

Tgt Ion: 94 Resp: 74051

Ion Ratio Lower Upper

94 100

96 85.3 74.4 111.6



#6

Chloroethane

Concen: 45.775 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061202.D

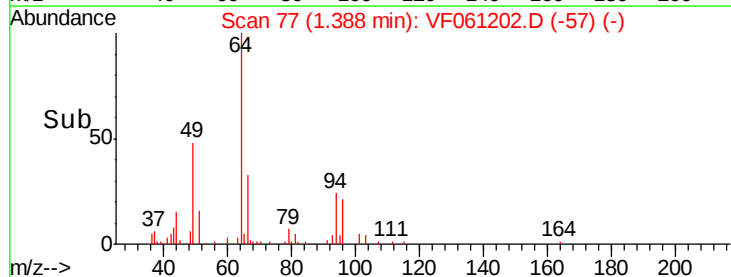
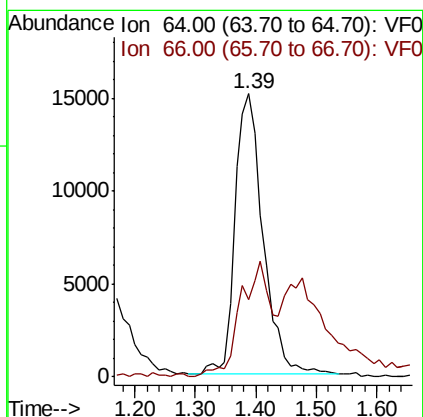
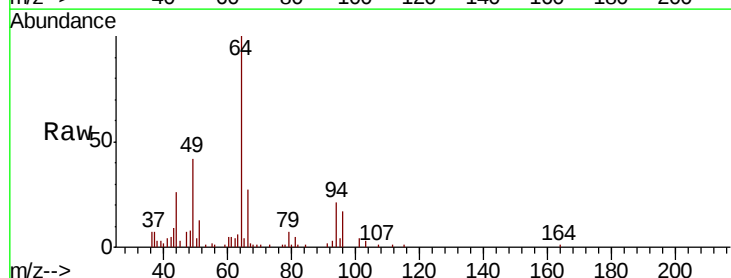
Acq: 27 Dec 2018 12:05

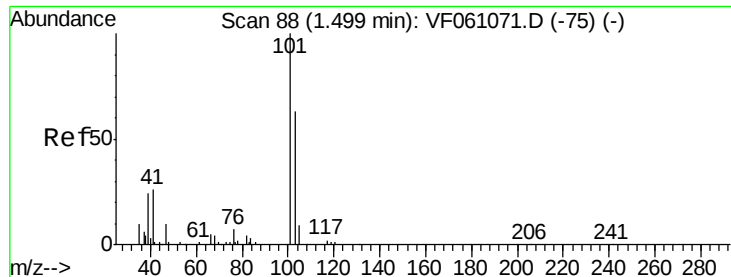
Tgt Ion: 64 Resp: 48595

Ion Ratio Lower Upper

64 100

66 27.2 30.9 46.3#





#7

Trichlorofluoromethane

Concen: 36.874 ug/l

RT: 1.47 min Scan# 85

Delta R.T. -0.03 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

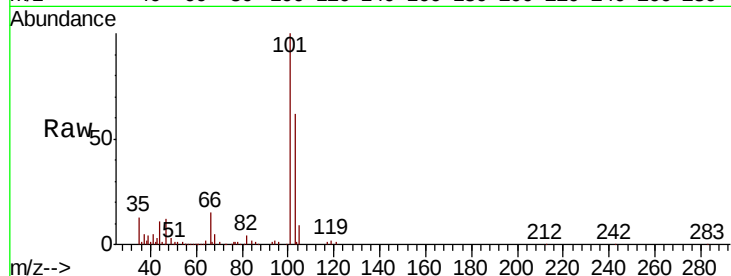
VSTDCCC050

Tgt Ion:101 Resp: 162213

Ion Ratio Lower Upper

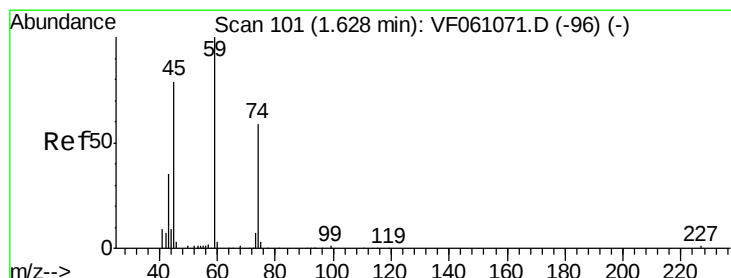
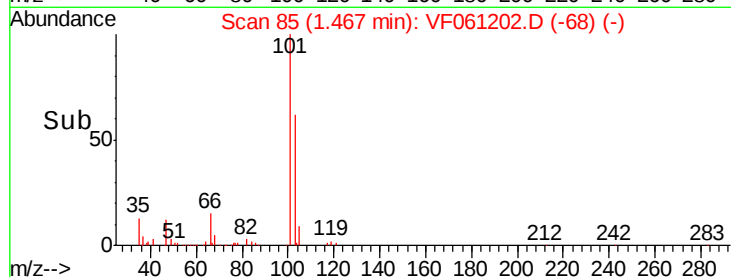
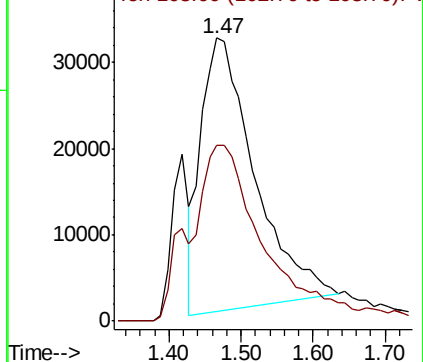
101 100

103 62.0 50.7 76.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 53.094 ug/l

RT: 1.61 min Scan# 100

Delta R.T. -0.01 min

Lab File: VF061202.D

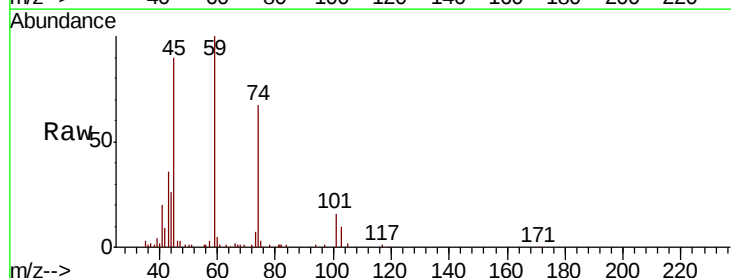
Acq: 27 Dec 2018 12:05

Tgt Ion: 74 Resp: 31984

Ion Ratio Lower Upper

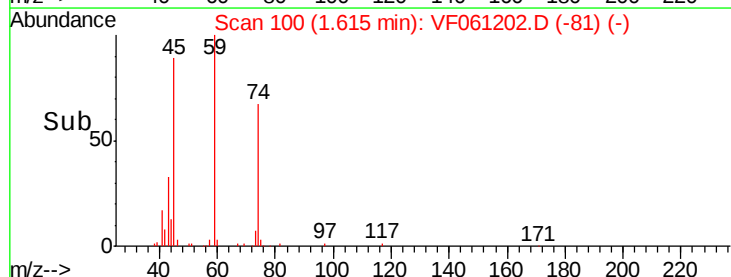
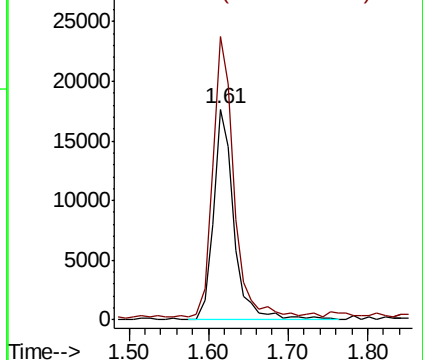
74 100

45 134.5 67.8 203.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.521 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

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MSVOA_F

ClientSampleId :

VSTDCCC050

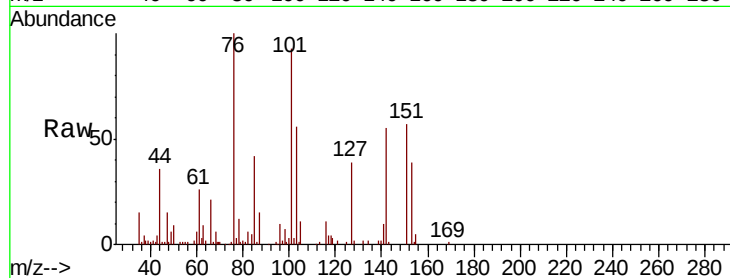
Tgt Ion:101 Resp: 110670

Ion Ratio Lower Upper

101 100

85 44.9 44.5 66.7

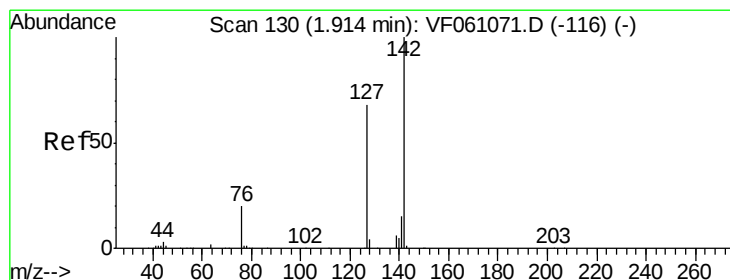
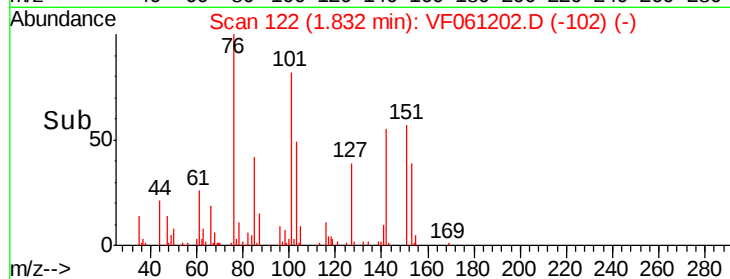
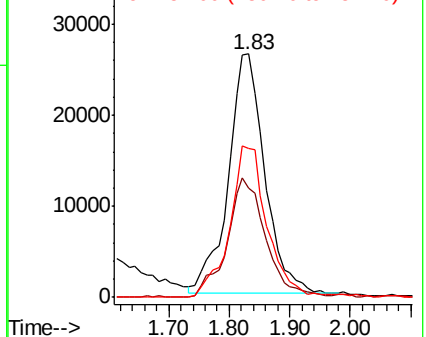
151 61.0 49.9 74.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 37.704 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.02 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

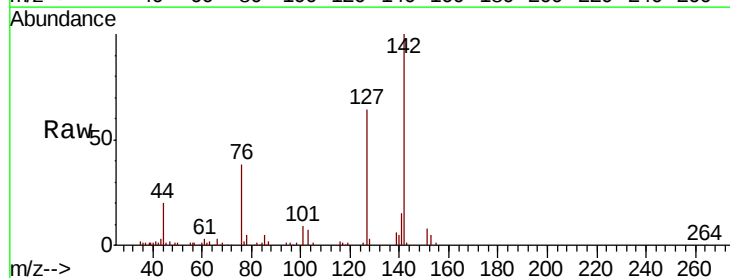
Tgt Ion:142 Resp: 135558

Ion Ratio Lower Upper

142 100

127 63.9 54.7 82.1

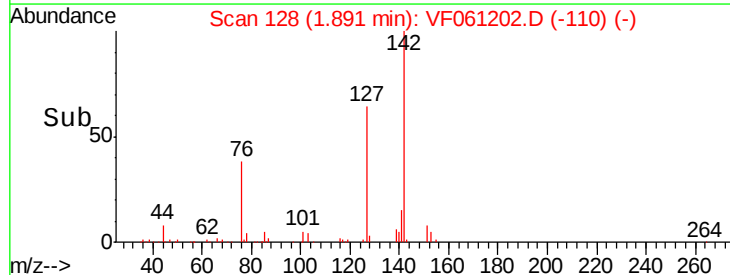
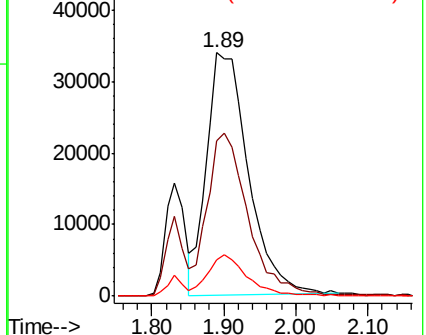
141 14.7 12.2 18.2

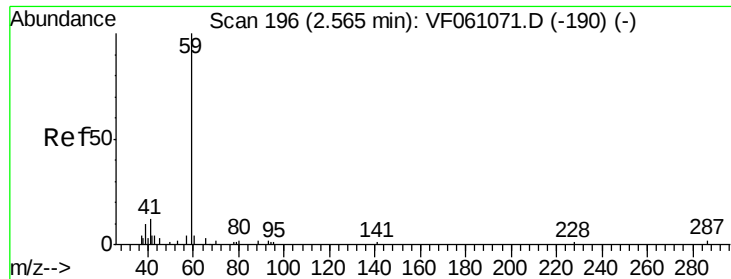


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

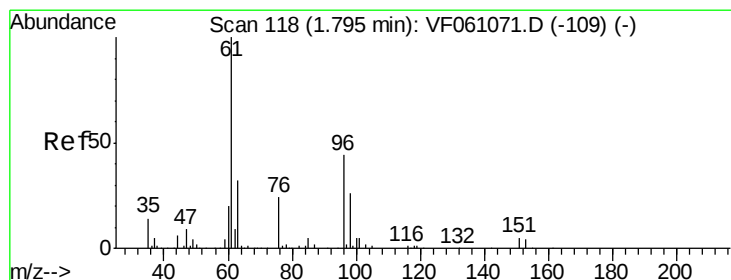
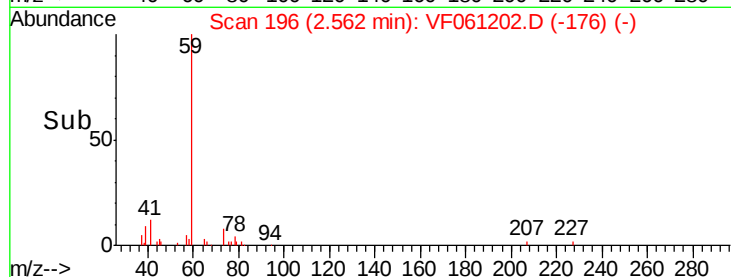
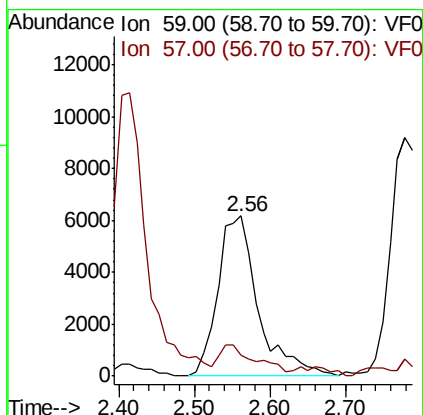
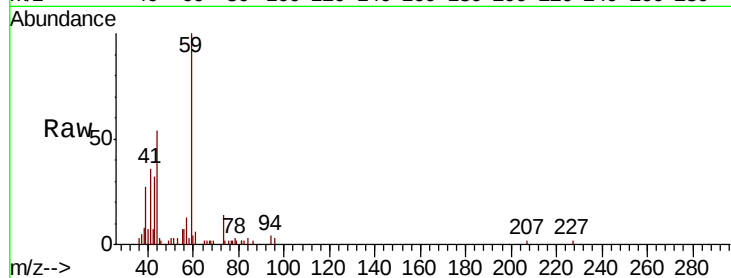




#11
Tert butyl alcohol
Concen: 226.851 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF061202.D
Acq: 27 Dec 2018 12:05

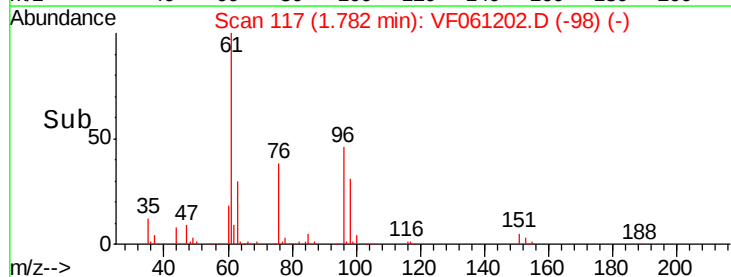
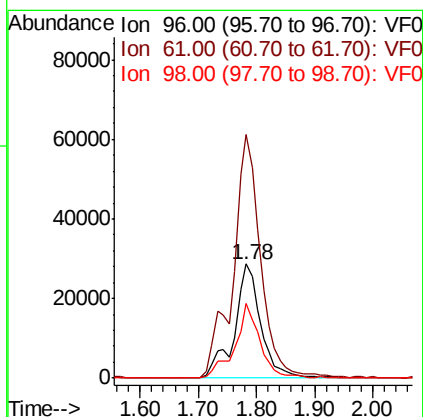
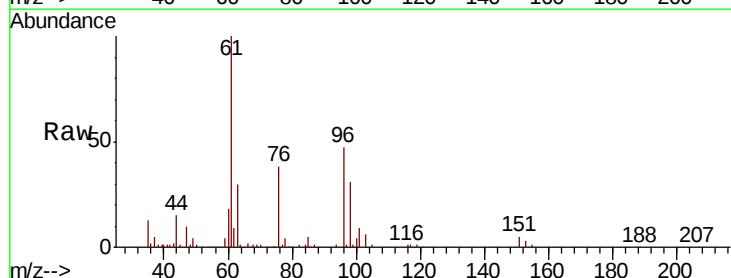
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

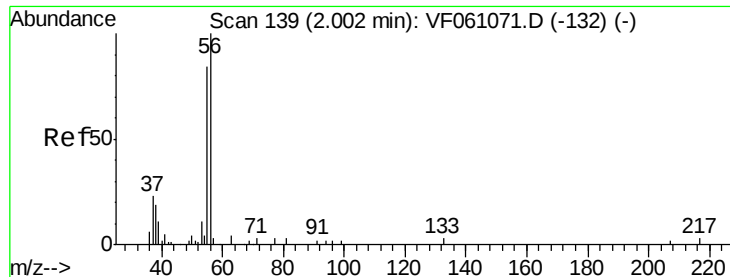
Tgt Ion: 59 Resp: 22965
Ion Ratio Lower Upper
59 100
57 12.9 11.5 17.3



#12
1,1-Dichloroethene
Concen: 53.390 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061202.D
Acq: 27 Dec 2018 12:05

Tgt Ion: 96 Resp: 91795
Ion Ratio Lower Upper
96 100
61 214.0 182.0 273.0
98 65.7 46.5 69.7





#13

Acrolein

Concen: 8.817 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.17 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

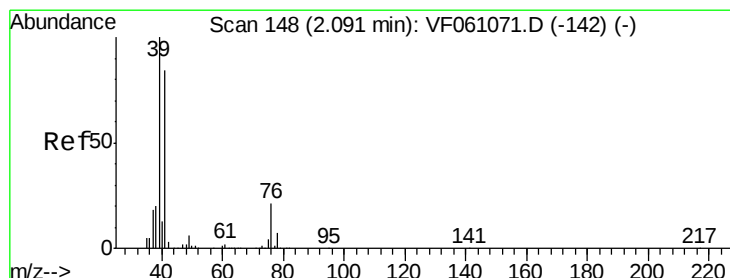
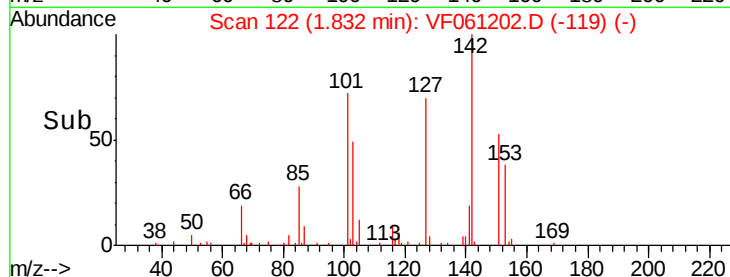
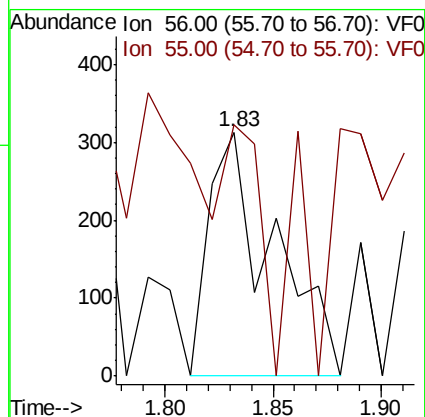
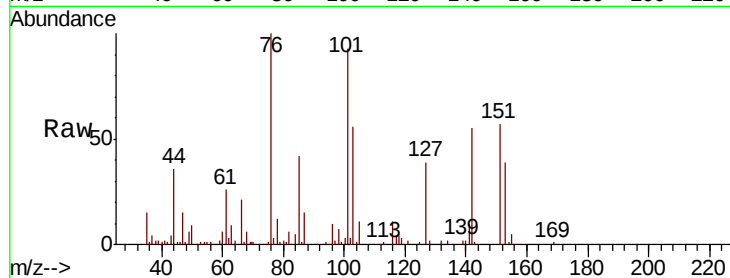
VSTDCCC050

Tgt Ion: 56 Resp: 645

Ion Ratio Lower Upper

56 100

55 102.9 70.2 105.2



#14

Allyl chloride

Concen: 63.132 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

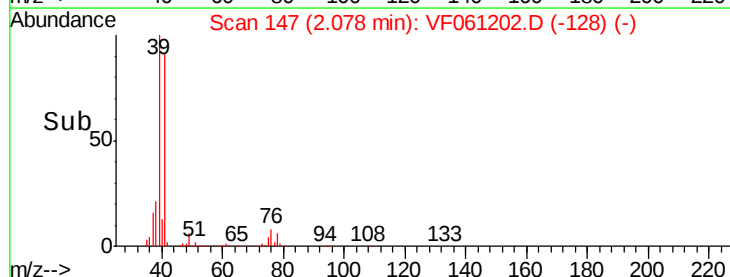
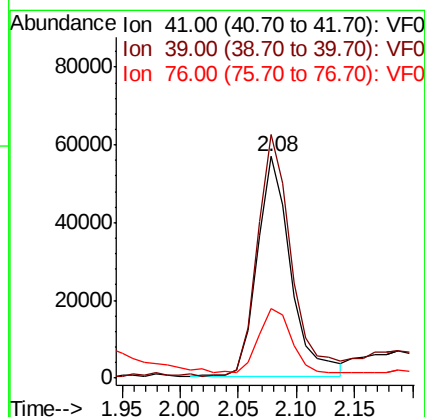
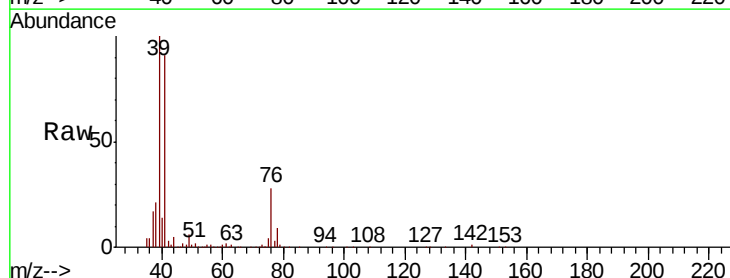
Tgt Ion: 41 Resp: 112958

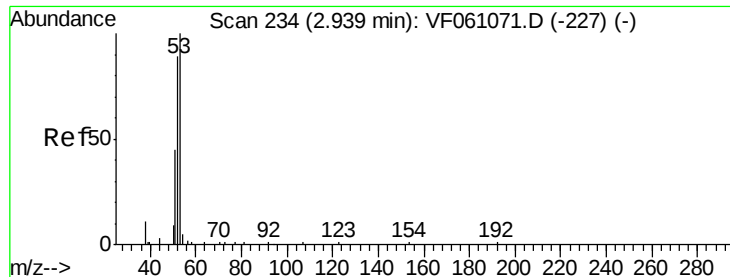
Ion Ratio Lower Upper

41 100

39 109.9 96.4 144.6

76 31.1 25.4 38.0





#15

Acrylonitrile

Concen: 260.009 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

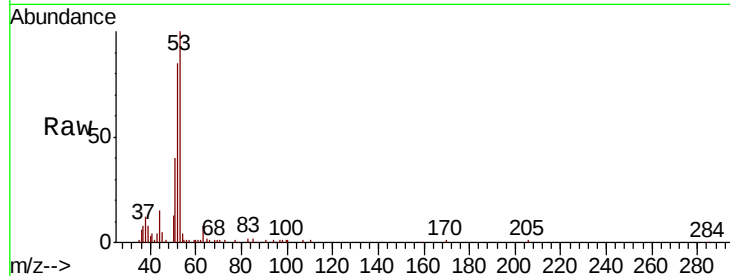
Tgt Ion: 53 Resp: 60866

Ion Ratio Lower Upper

53 100

52 84.5 71.3 106.9

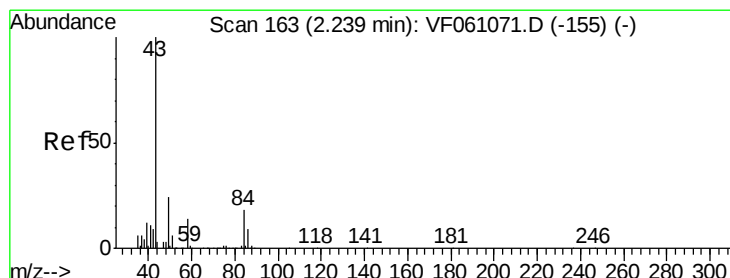
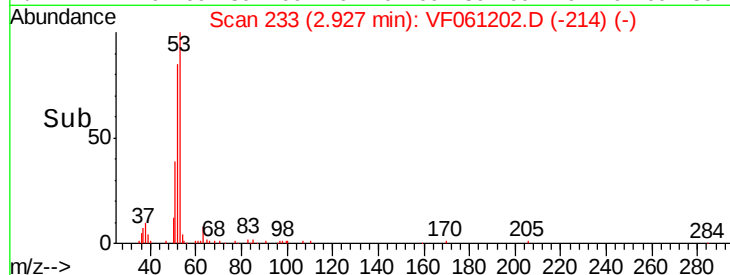
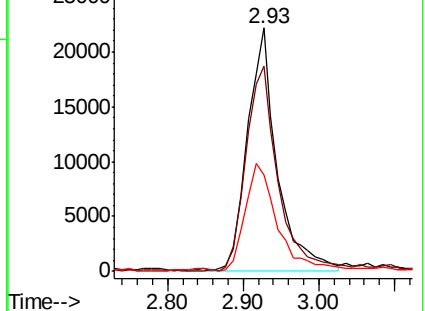
51 39.8 36.8 55.2



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: 263.868 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.02 min

Lab File: VF061202.D

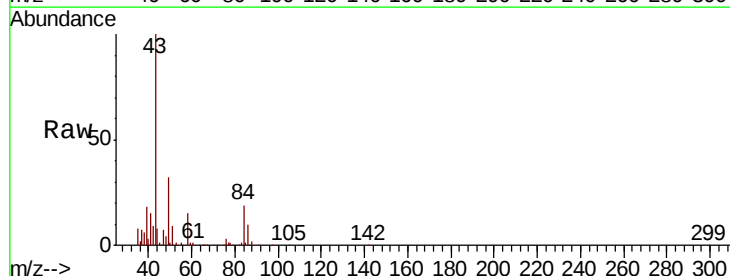
Acq: 27 Dec 2018 12:05

Tgt Ion: 43 Resp: 132331

Ion Ratio Lower Upper

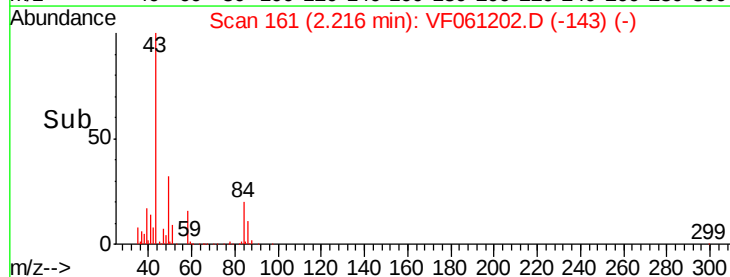
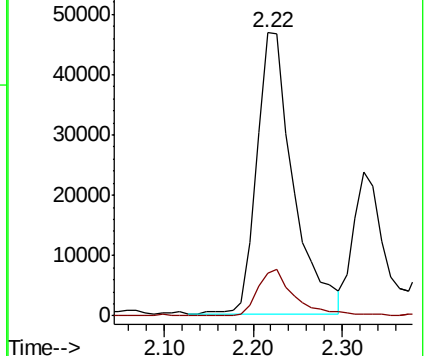
43 100

58 15.3 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

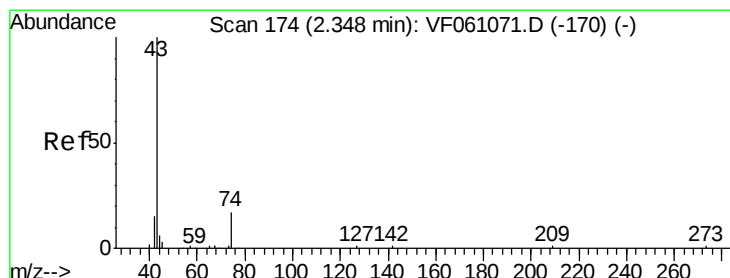
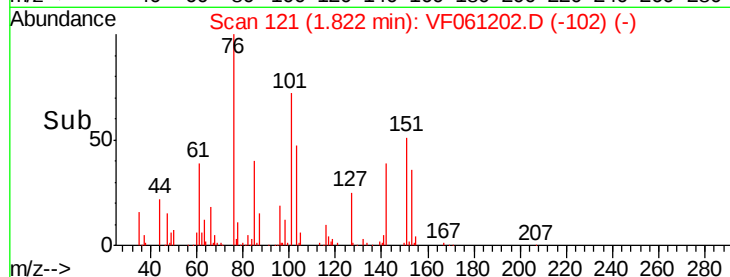
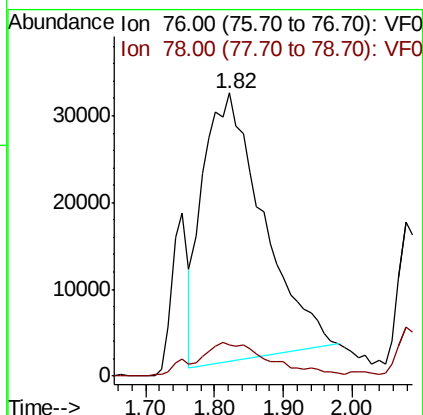
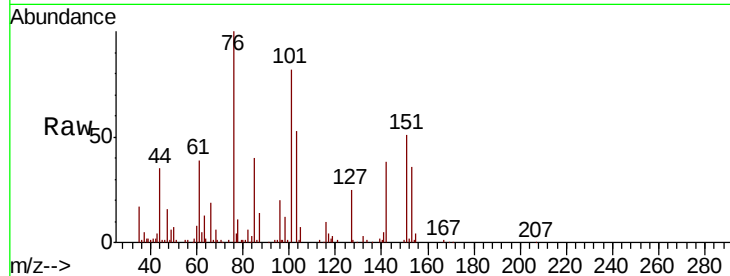




#17
Carbon Disulfide
Concen: 36.273 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.01 min
Lab File: VF061202.D
Acq: 27 Dec 2018 12:05

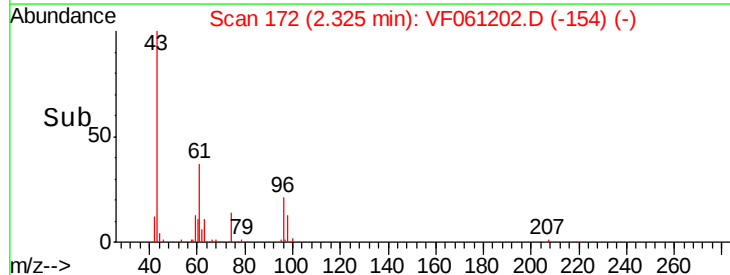
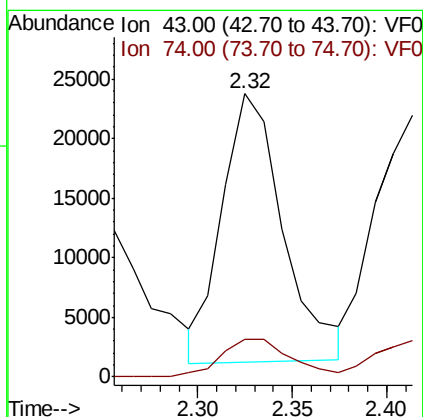
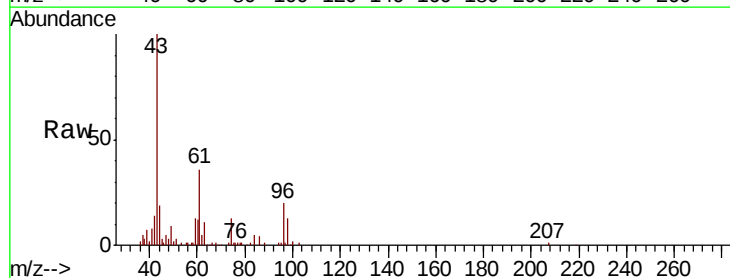
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

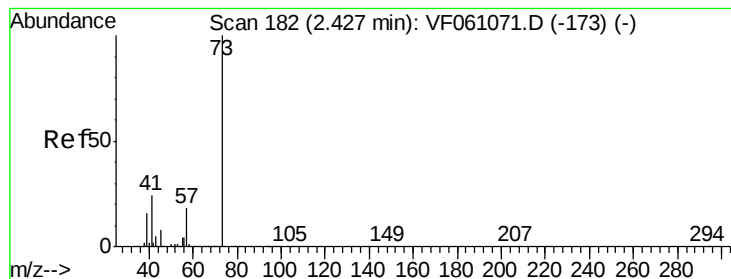
Tgt Ion: 76 Resp: 188471
Ion Ratio Lower Upper
76 100
78 11.0 10.2 15.4



#18
Methyl Acetate
Concen: 48.883 ug/l
RT: 2.32 min Scan# 172
Delta R.T. -0.02 min
Lab File: VF061202.D
Acq: 27 Dec 2018 12:05

Tgt Ion: 43 Resp: 50720
Ion Ratio Lower Upper
43 100
74 13.4 11.0 16.6



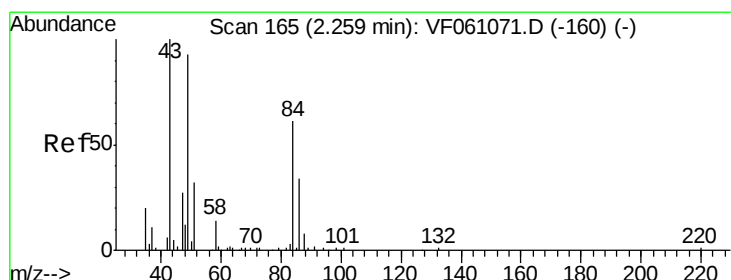
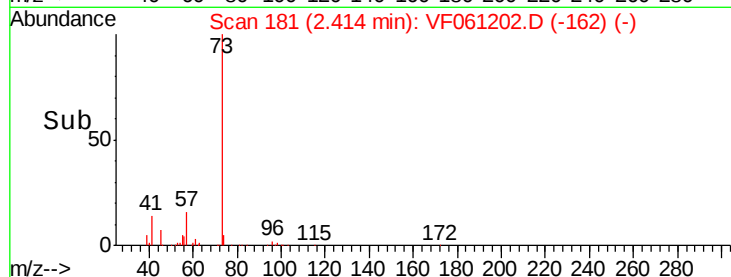
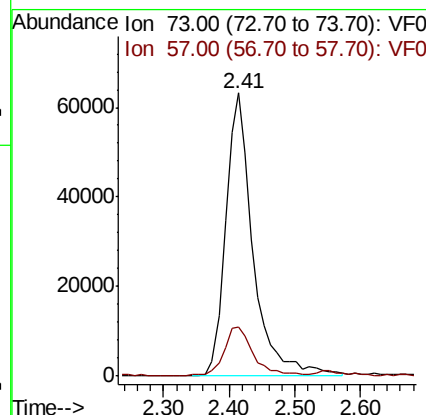
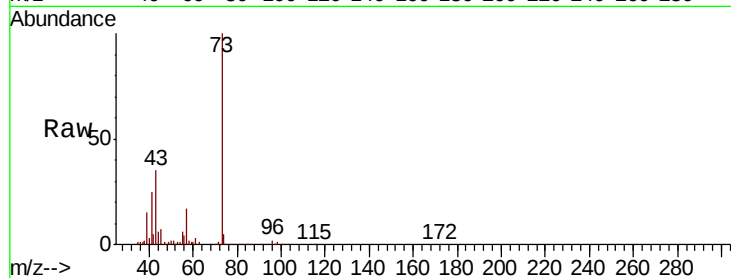


#19

Methyl tert-butyl Ether
 Concen: 48.048 ug/l
 RT: 2.41 min Scan# 181
 Delta R.T. -0.01 min
 Lab File: VF061202.D
 Acq: 27 Dec 2018 12:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

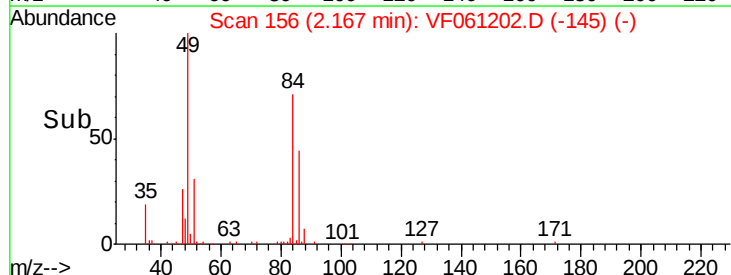
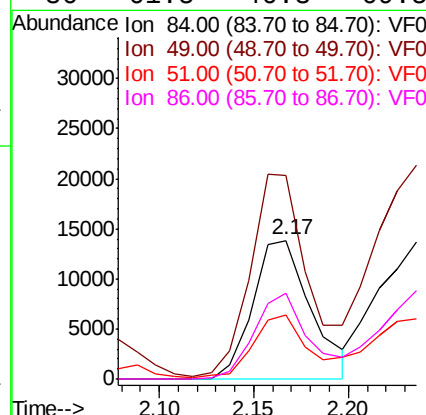
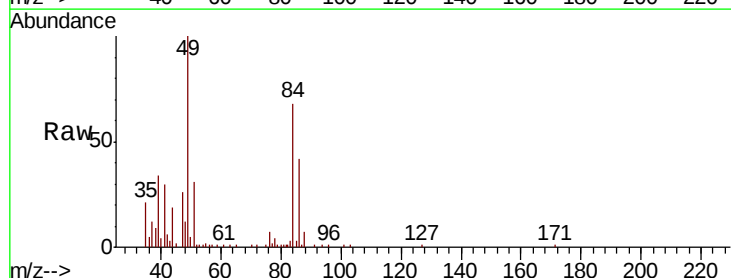
Tgt Ion: 73 Resp: 183367
 Ion Ratio Lower Upper
 73 100
 57 17.3 14.5 21.7

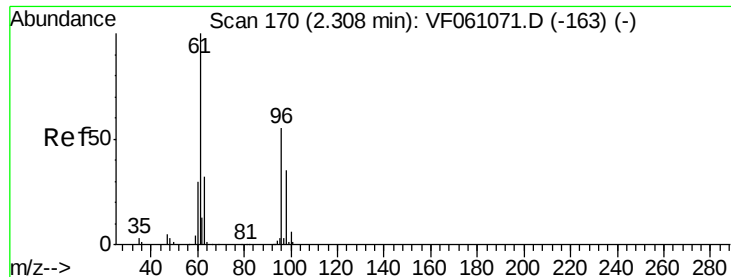


#20

Methylene Chloride
 Concen: 15.333 ug/l
 RT: 2.17 min Scan# 156
 Delta R.T. -0.09 min
 Lab File: VF061202.D
 Acq: 27 Dec 2018 12:05

Tgt Ion: 84 Resp: 29564
 Ion Ratio Lower Upper
 84 100
 49 146.4 129.4 194.2
 51 45.8 44.0 66.0
 86 61.5 46.3 69.5





#21

trans-1,2-Dichloroethene

Concen: 49.930 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

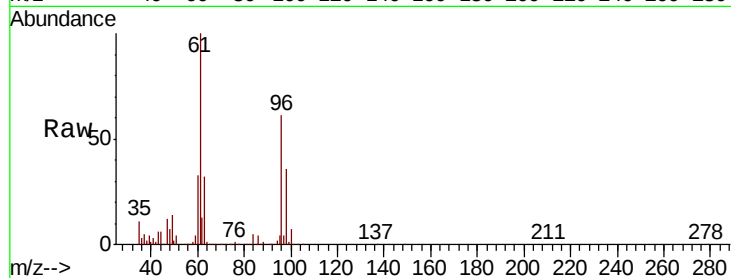
Tgt Ion: 96 Resp: 91817

Ion Ratio Lower Upper

96 100

61 165.1 146.0 219.0

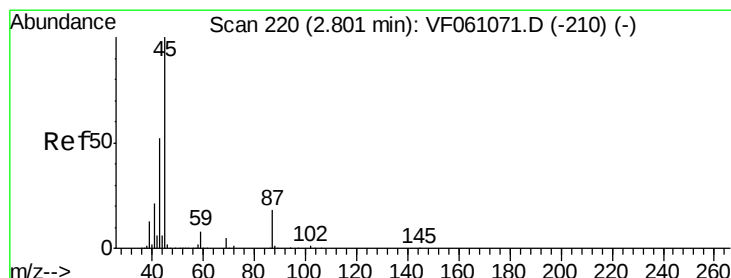
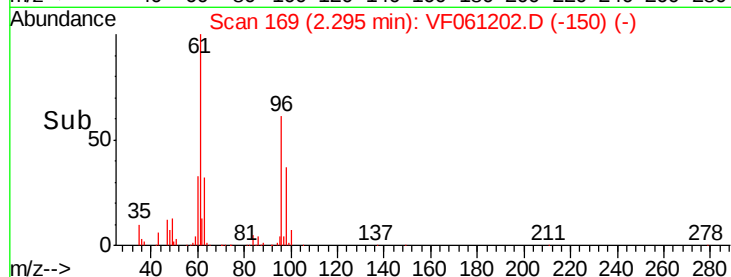
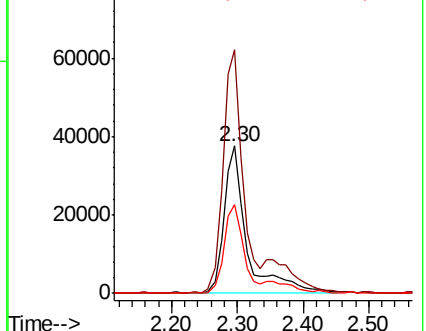
98 60.1 51.6 77.4



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 51.512 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.02 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

Tgt Ion: 45 Resp: 307014

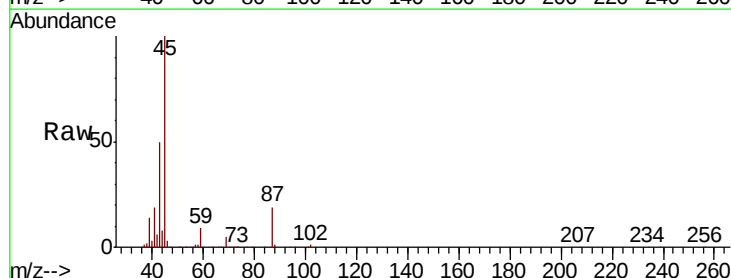
Ion Ratio Lower Upper

45 100

43 49.9 42.2 63.2

87 18.7 14.6 22.0

59 8.9 7.0 10.4

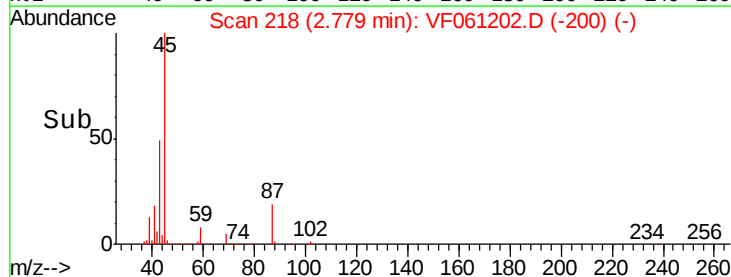
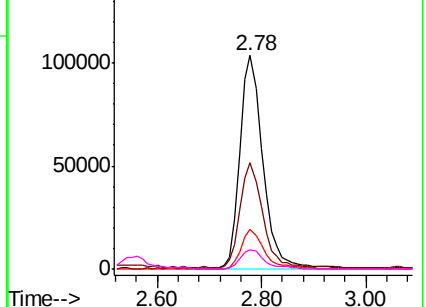


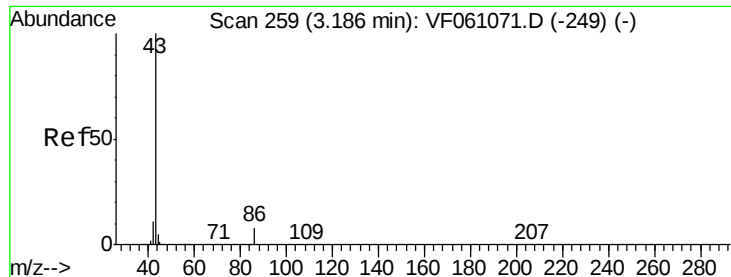
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 253.432 ug/l

RT: 3.16 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

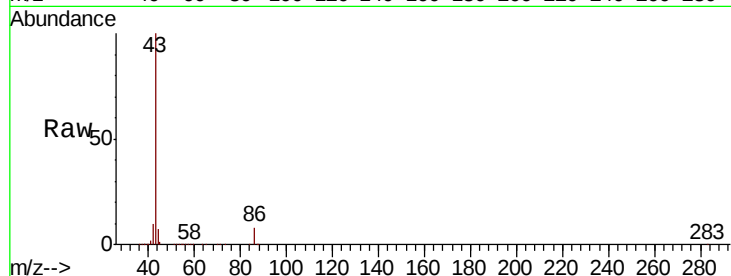
VSTDCCC050

Tgt Ion: 43 Resp: 696810

Ion Ratio Lower Upper

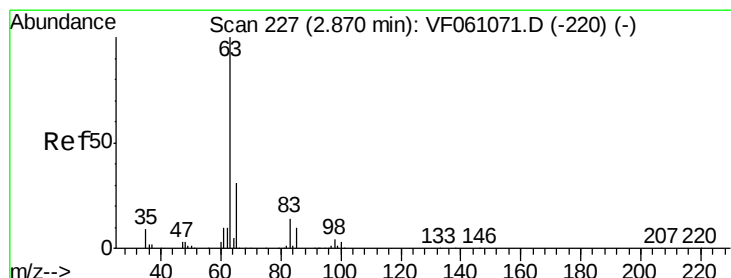
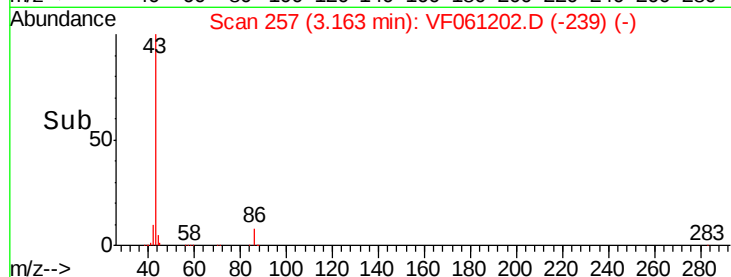
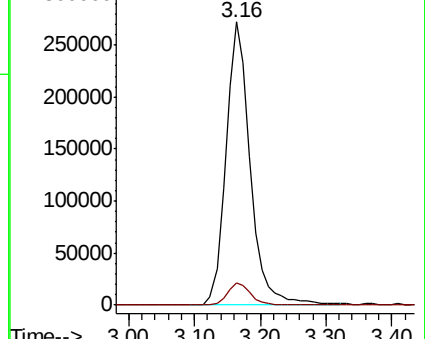
43 100

86 7.7 6.3 9.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 52.907 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.02 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

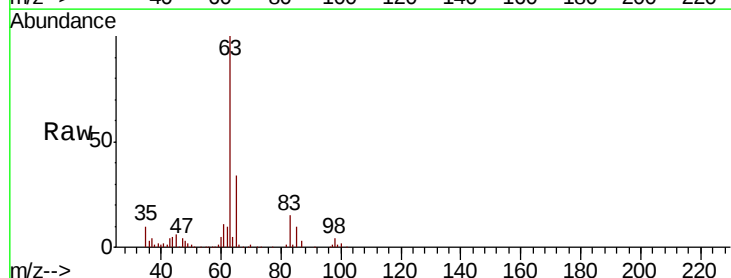
Tgt Ion: 63 Resp: 186831

Ion Ratio Lower Upper

63 100

98 4.5 2.1 6.5

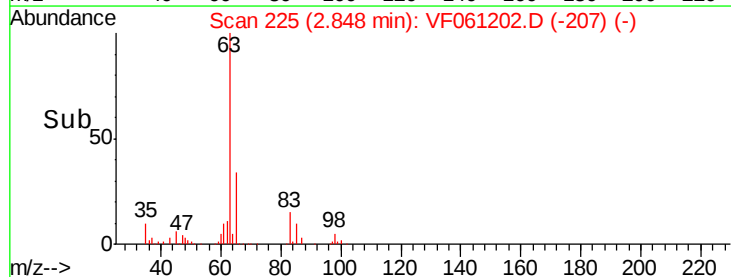
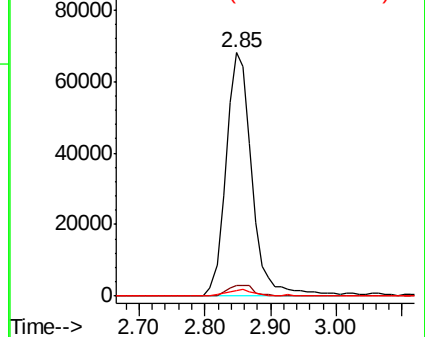
100 2.4 1.7 5.1

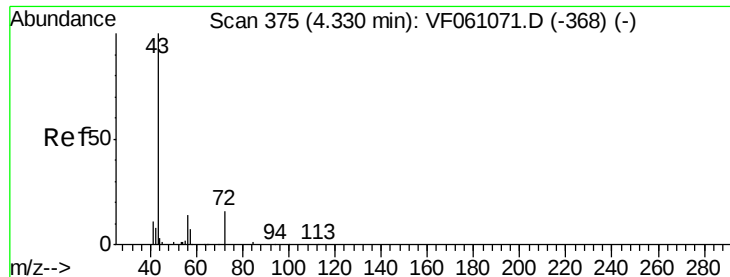


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 238.690 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.02 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

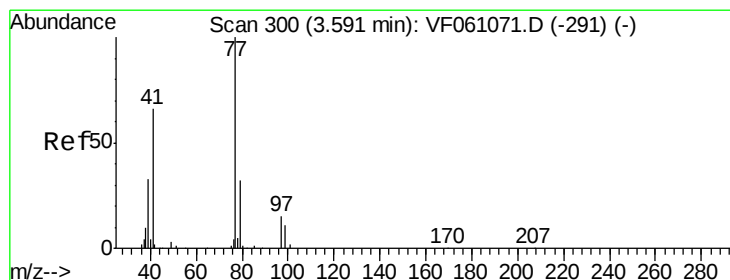
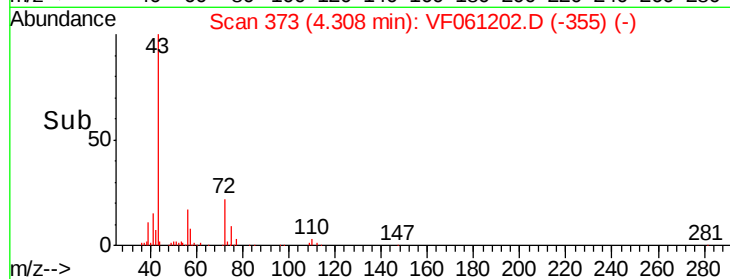
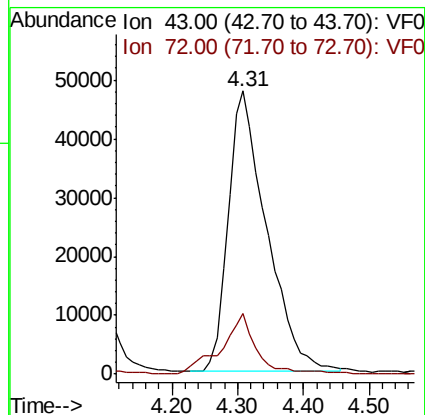
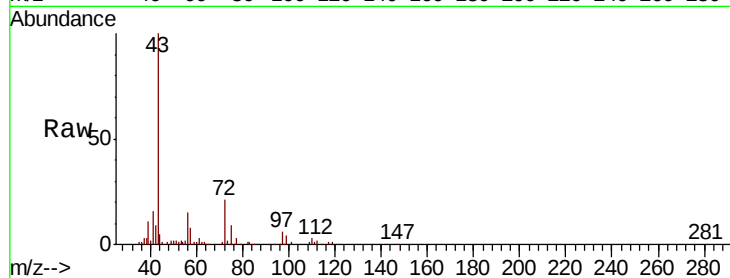
VSTDCCC050

Tgt Ion: 43 Resp: 194137

Ion Ratio Lower Upper

43 100

72 21.5 15.6 23.4



#26

2,2-Dichloropropane

Concen: 54.113 ug/l

RT: 3.57 min Scan# 298

Delta R.T. -0.02 min

Lab File: VF061202.D

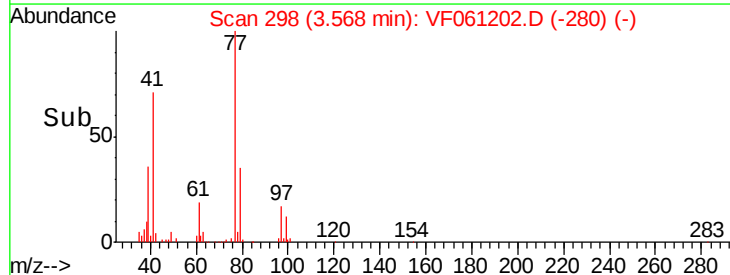
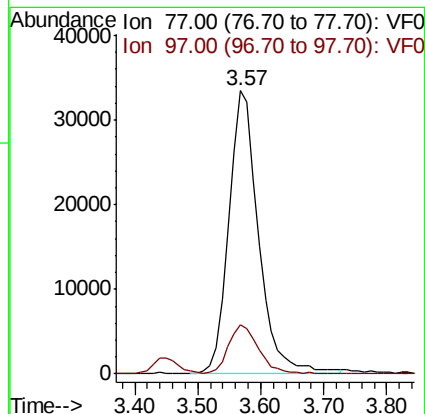
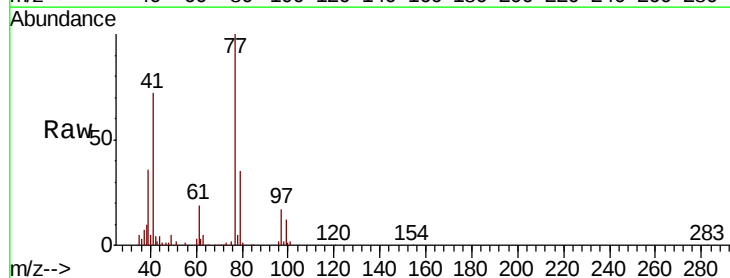
Acq: 27 Dec 2018 12:05

Tgt Ion: 77 Resp: 109661

Ion Ratio Lower Upper

77 100

97 17.5 8.2 24.4



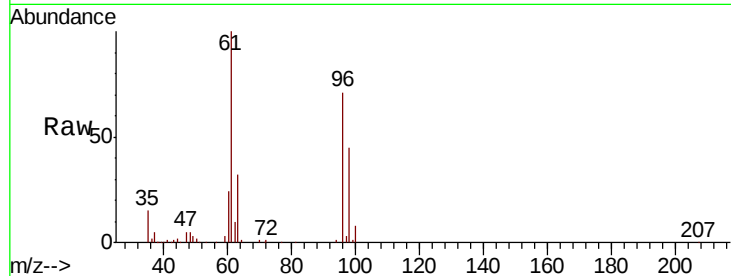


#27

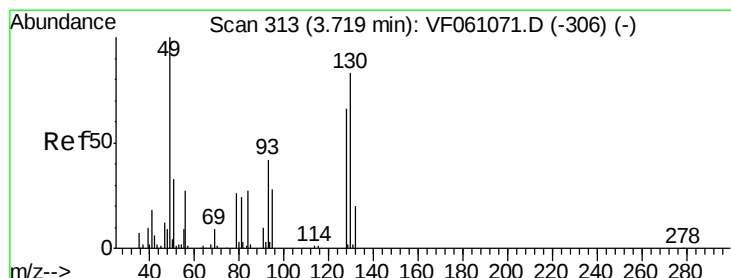
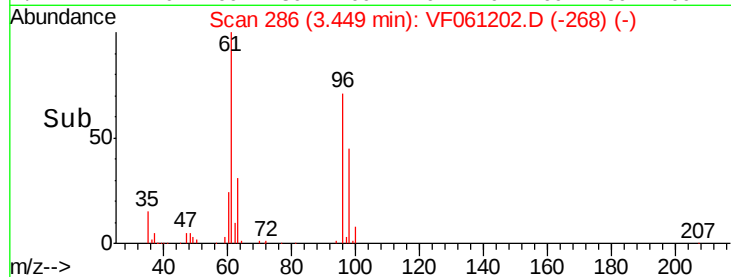
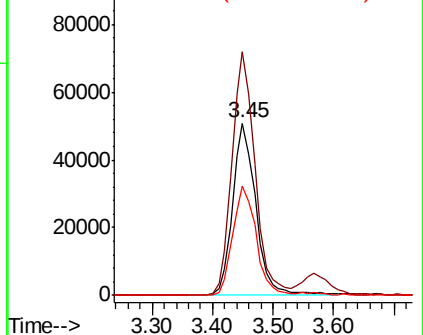
cis-1,2-Dichloroethene
 Concen: 48.354 ug/l
 RT: 3.45 min Scan# 286
 Delta R.T. -0.02 min
 Lab File: VF061202.D
 Acq: 27 Dec 2018 12:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.5	0.0	287.8
98	63.2	0.0	134.2



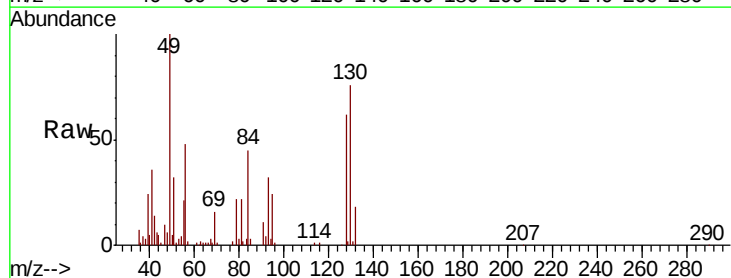
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



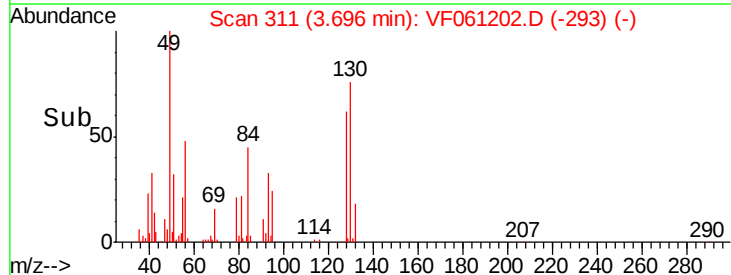
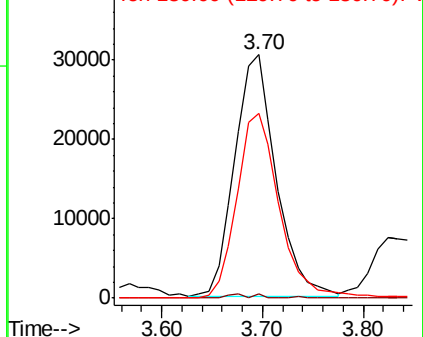
#28

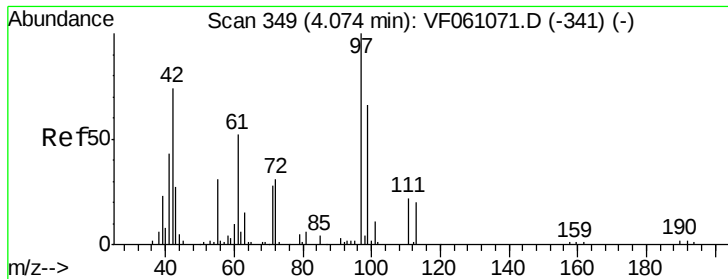
Bromochloromethane
 Concen: 48.416 ug/l
 RT: 3.70 min Scan# 311
 Delta R.T. -0.02 min
 Lab File: VF061202.D
 Acq: 27 Dec 2018 12:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	75.8	65.8	98.6



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





#29

Tetrahydrofuran

Concen: 247.176 ug/l

RT: 4.04 min Scan# 346

Delta R.T. -0.03 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

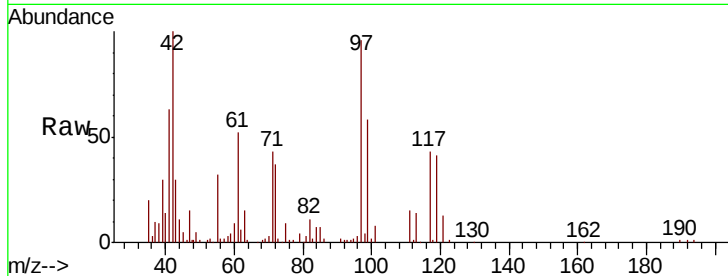
Tgt Ion: 42 Resp: 81825

Ion Ratio Lower Upper

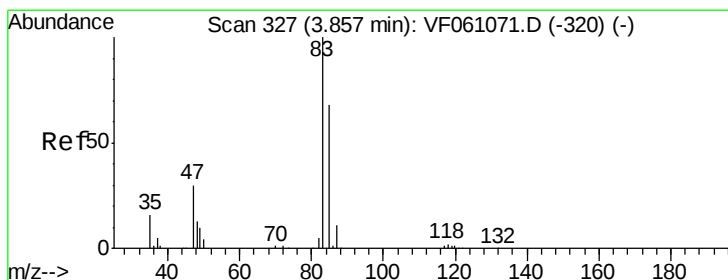
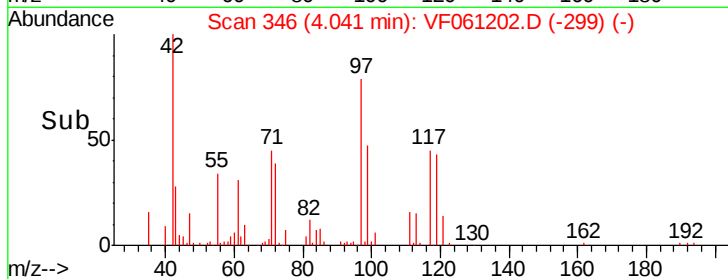
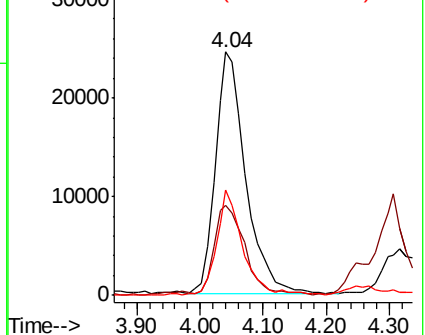
42 100

72 38.1 31.8 47.8

71 37.9 29.7 44.5



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: 48.771 ug/l

RT: 3.83 min Scan# 325

Delta R.T. -0.02 min

Lab File: VF061202.D

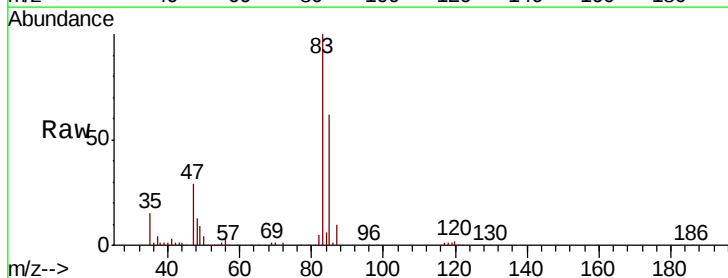
Acq: 27 Dec 2018 12:05

Tgt Ion: 83 Resp: 258240

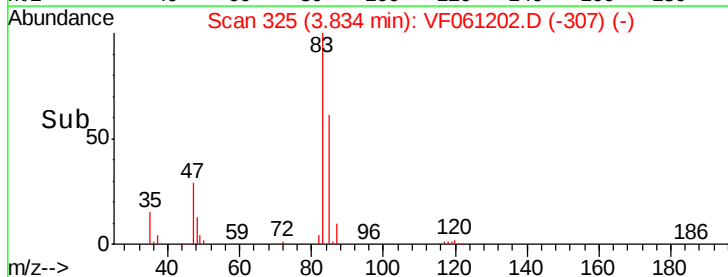
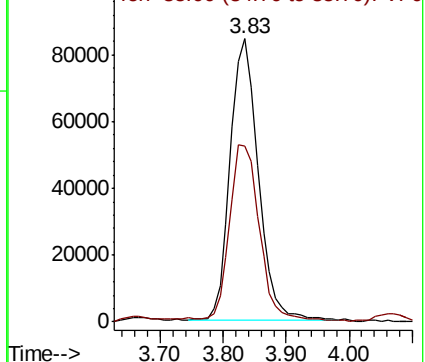
Ion Ratio Lower Upper

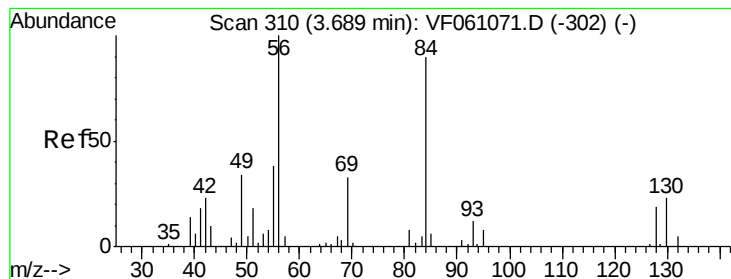
83 100

85 62.0 54.5 81.7



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





#31

Cyclohexane

Concen: 28.582 ug/l

RT: 3.66 min Scan# 307

Delta R.T. -0.03 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

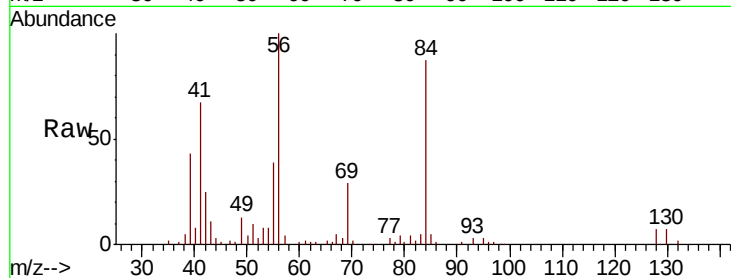
Tgt Ion: 56 Resp: 104734

Ion Ratio Lower Upper

56 100

69 28.6 26.0 39.0

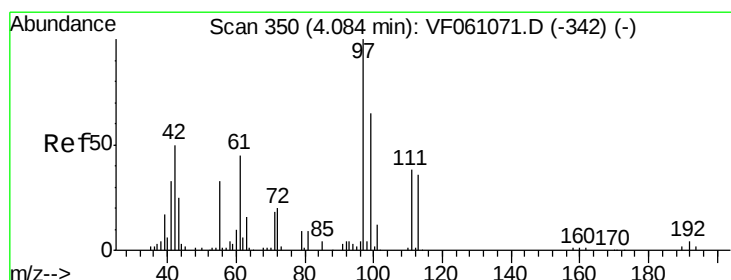
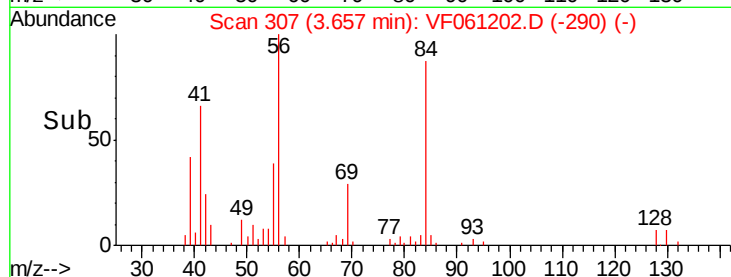
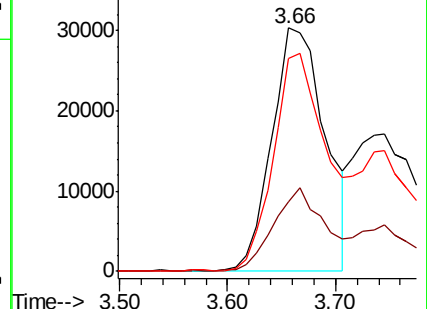
84 87.4 71.4 107.2



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: 48.681 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.01 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

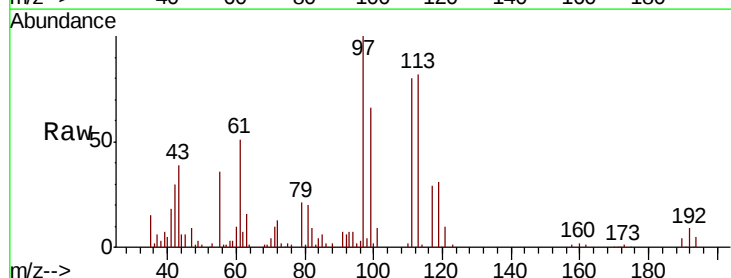
Tgt Ion: 97 Resp: 154496

Ion Ratio Lower Upper

97 100

99 66.1 51.6 77.4

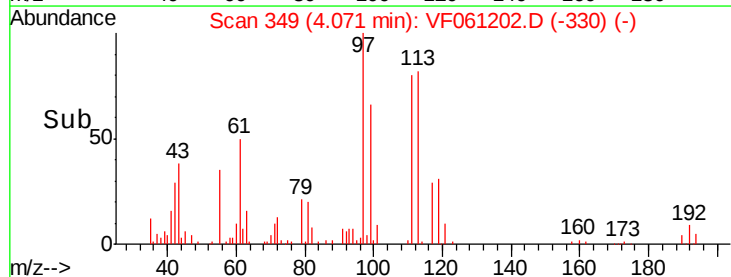
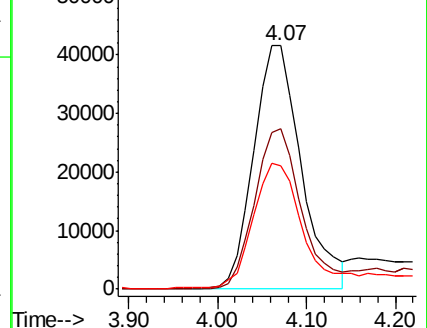
61 50.6 36.2 54.2

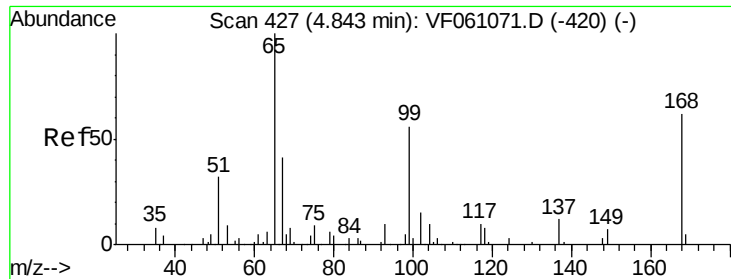


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

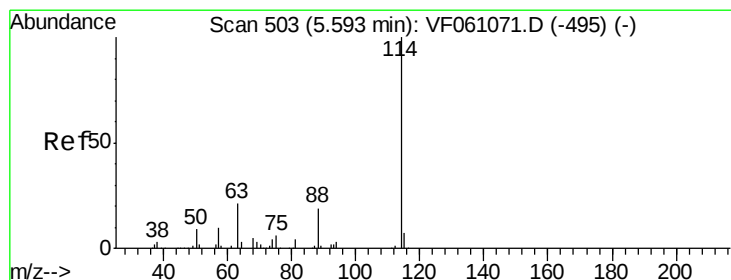
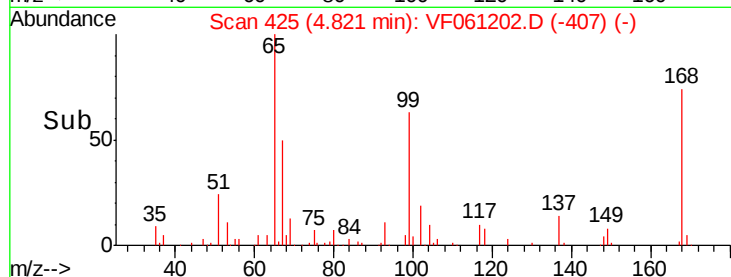
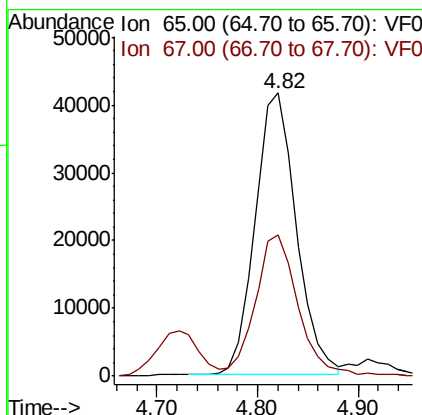
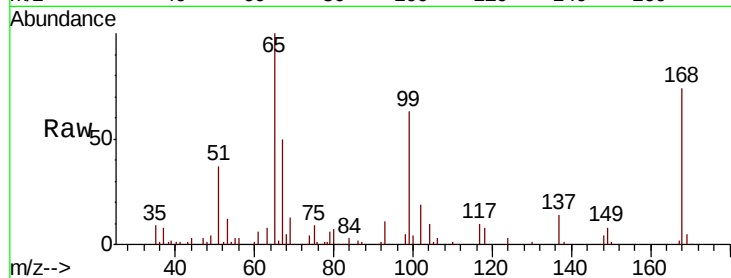




#33
 1,2-Dichloroethane-d4
 Concen: 47.070 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.02 min
 Lab File: VF061202.D
 Acq: 27 Dec 2018 12:05

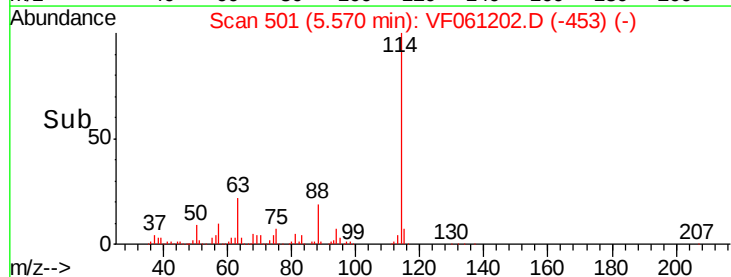
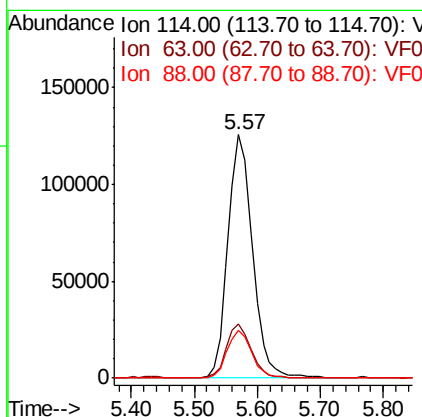
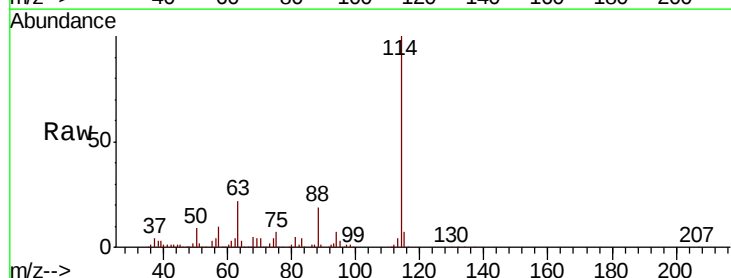
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

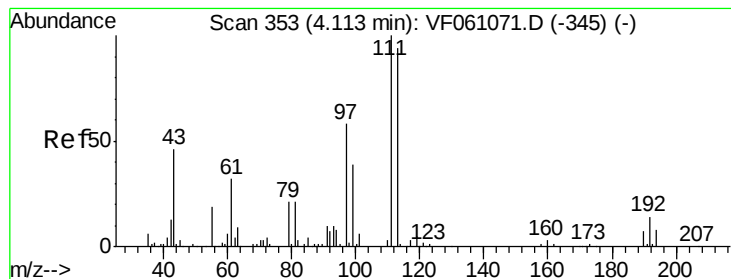
Tgt Ion: 65 Resp: 118081
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 94.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.02 min
 Lab File: VF061202.D
 Acq: 27 Dec 2018 12:05

Tgt Ion: 114 Resp: 341062
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 41.6
 88 19.4 0.0 38.0





#35

Dibromofluoromethane

Concen: 48.561 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

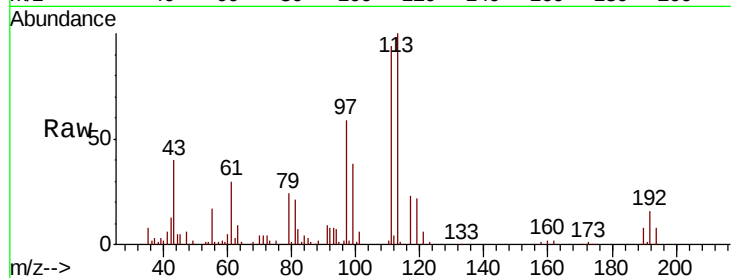
Tgt Ion: 113 Resp: 132674

Ion Ratio Lower Upper

113 100

111 94.2 85.2 127.8

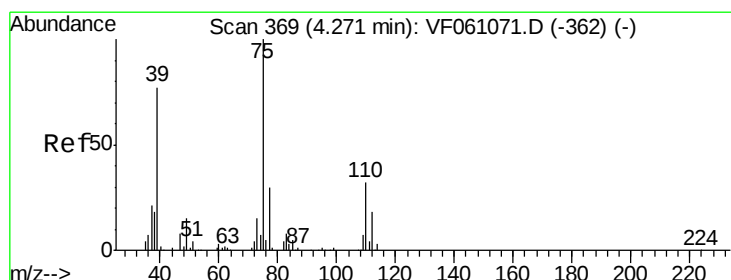
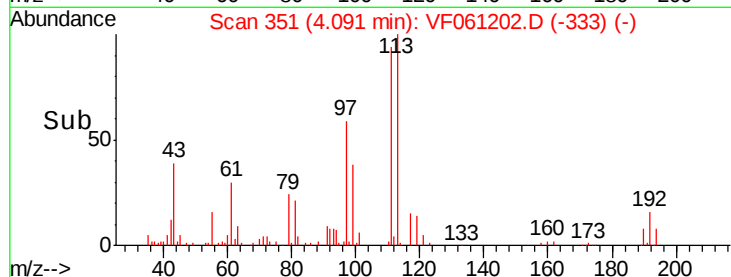
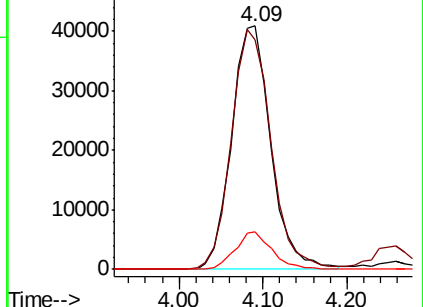
192 15.6 12.8 19.2



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: 48.566 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.02 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

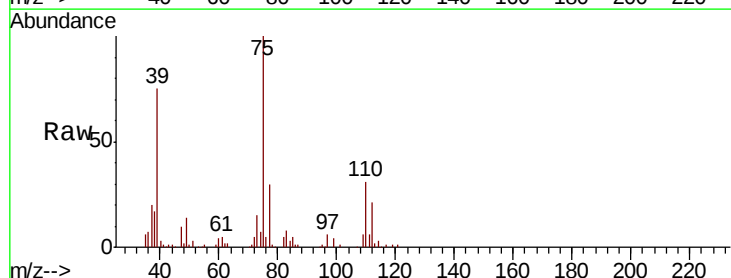
Tgt Ion: 75 Resp: 199939

Ion Ratio Lower Upper

75 100

110 31.5 16.1 48.2

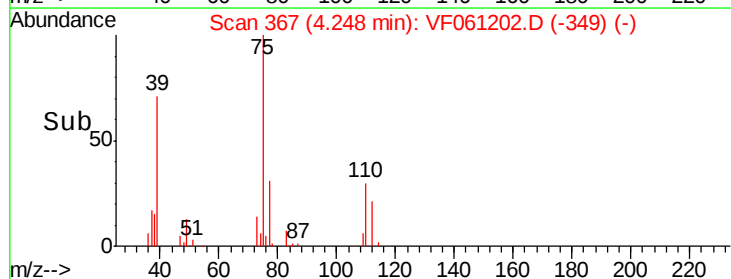
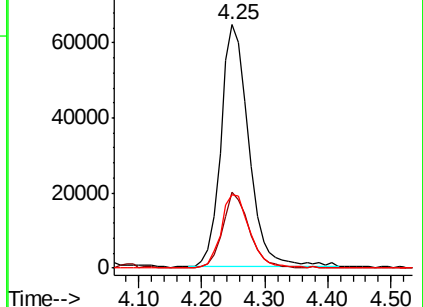
77 30.2 24.5 36.7

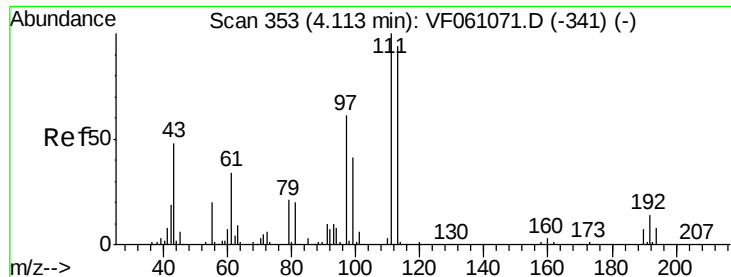


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

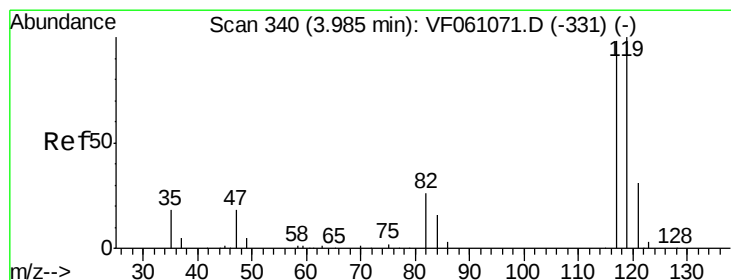
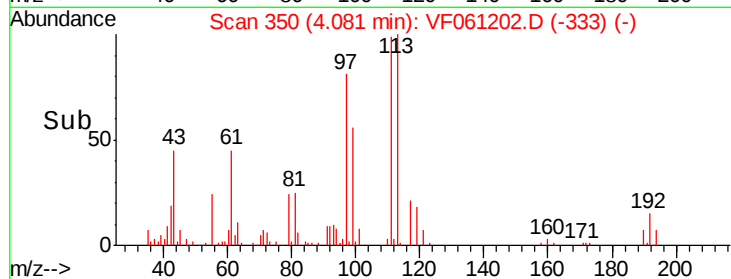
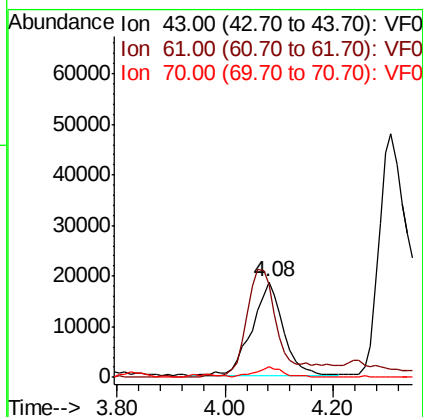
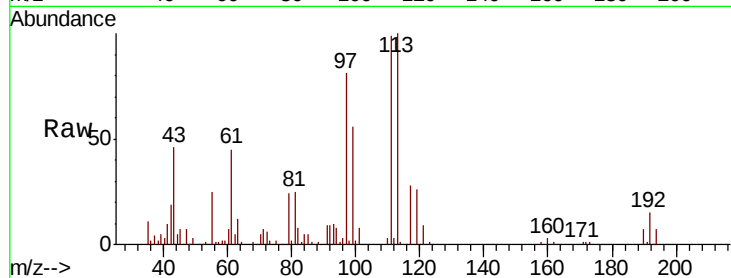




#37
Ethyl Acetate
Concen: 44.774 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.03 min
Lab File: VF061202.D
Acq: 27 Dec 2018 12:05

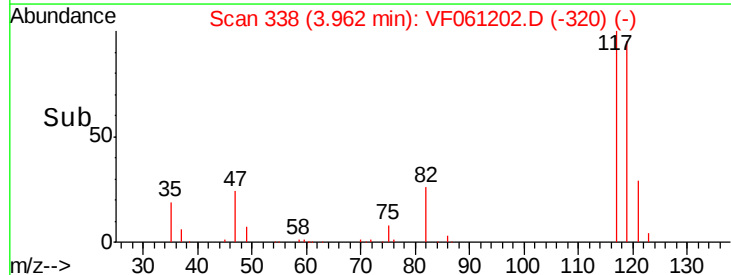
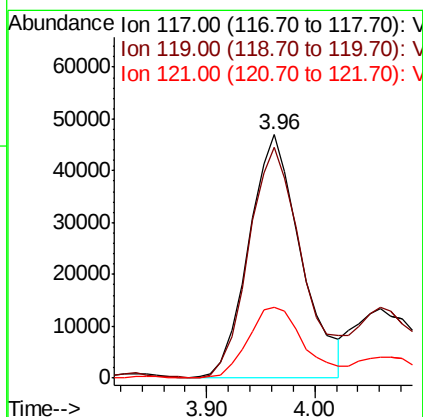
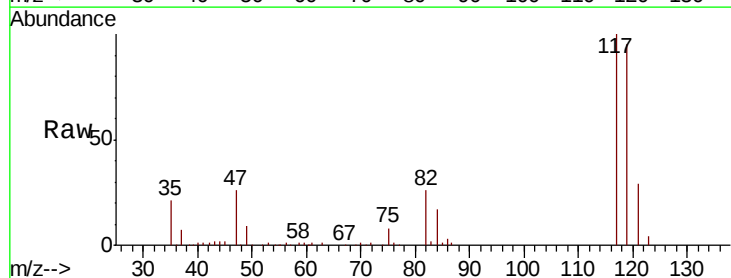
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

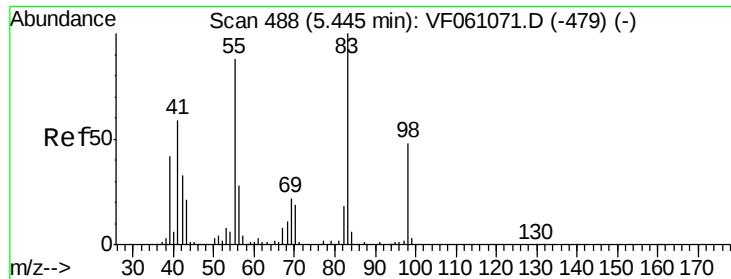
Tgt Ion: 43 Resp: 73013
Ion Ratio Lower Upper
43 100
61 97.4 56.6 84.8#
70 11.1 6.3 9.5#



#38
Carbon Tetrachloride
Concen: 49.921 ug/l
RT: 3.96 min Scan# 338
Delta R.T. -0.02 min
Lab File: VF061202.D
Acq: 27 Dec 2018 12:05

Tgt Ion: 117 Resp: 156511
Ion Ratio Lower Upper
117 100
119 94.9 82.1 123.1
121 29.2 25.5 38.3

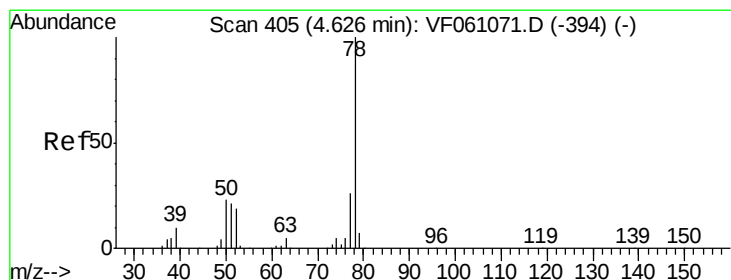
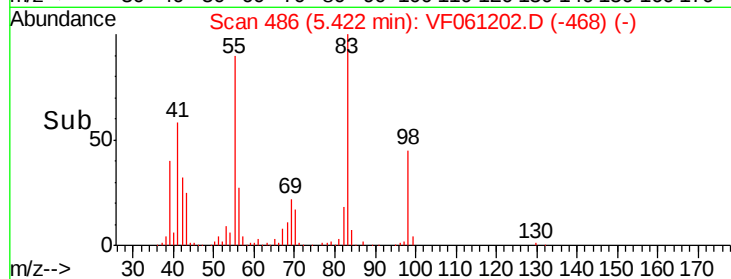
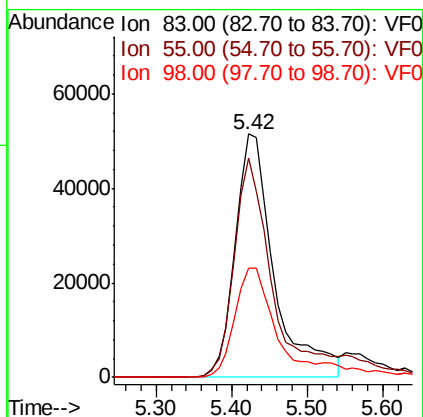
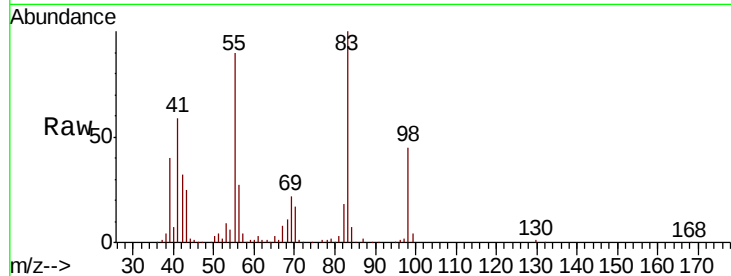




#39
Methylcyclohexane
Concen: 50.249 ug/l
RT: 5.42 min Scan# 486
Delta R.T. -0.02 min
Lab File: VF061202.D
Acq: 27 Dec 2018 12:05

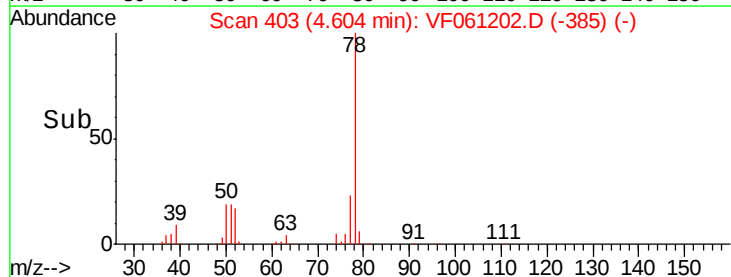
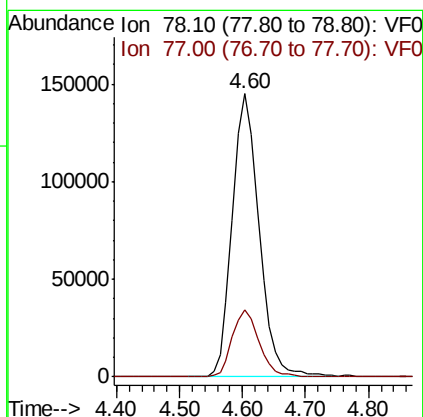
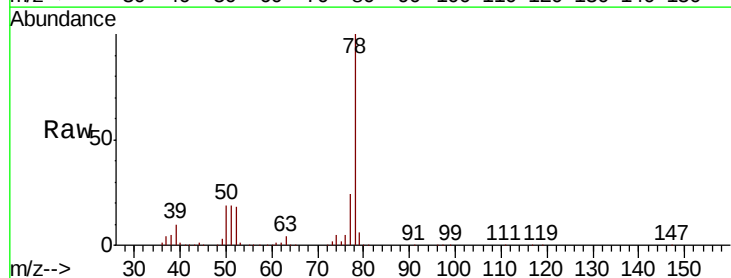
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

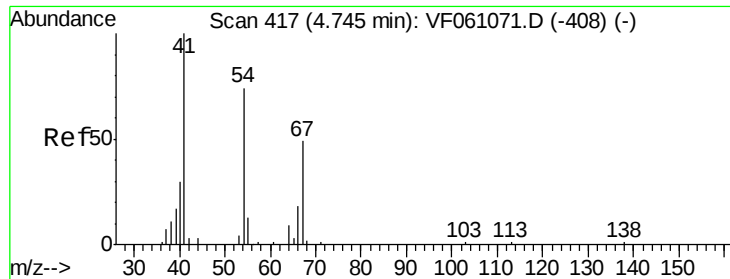
Tgt Ion: 83 Resp: 185588
Ion Ratio Lower Upper
83 100
55 89.9 70.6 105.8
98 45.1 38.5 57.7



#40
Benzene
Concen: 48.326 ug/l
RT: 4.60 min Scan# 403
Delta R.T. -0.02 min
Lab File: VF061202.D
Acq: 27 Dec 2018 12:05

Tgt Ion: 78 Resp: 427842
Ion Ratio Lower Upper
78 100
77 23.6 20.7 31.1

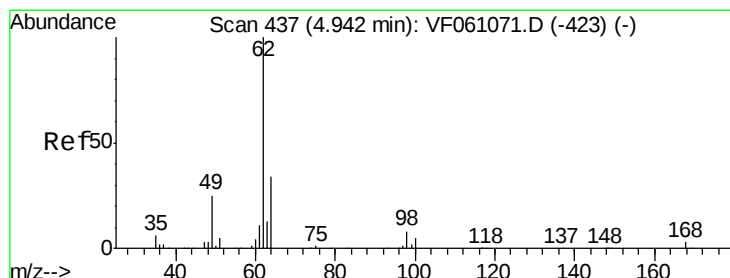
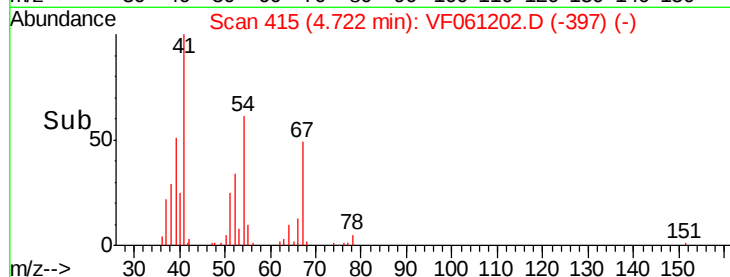
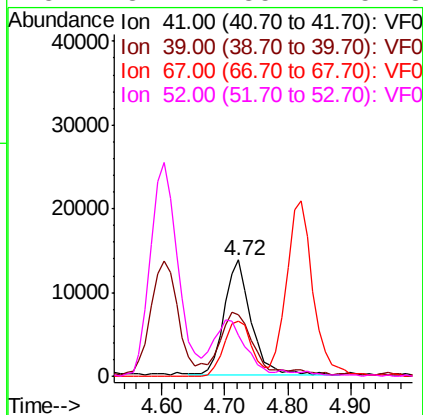
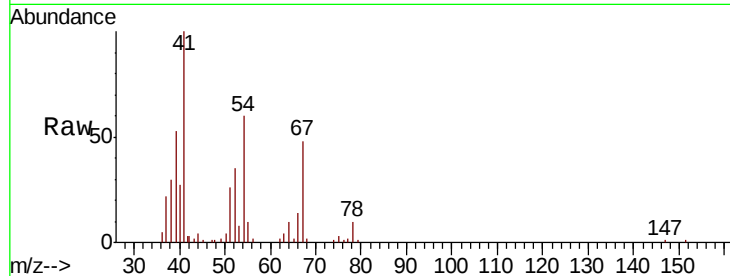




#41
Methacrylonitrile
Concen: 46.497 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.02 min
Lab File: VF061202.D
Acq: 27 Dec 2018 12:05

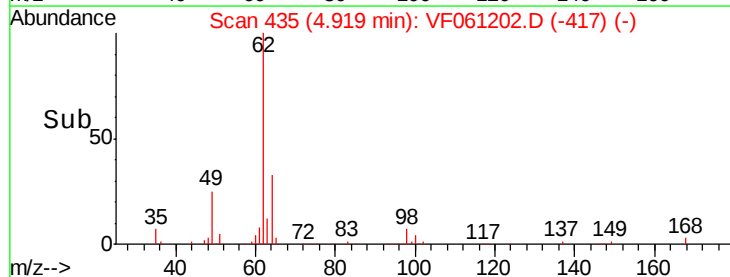
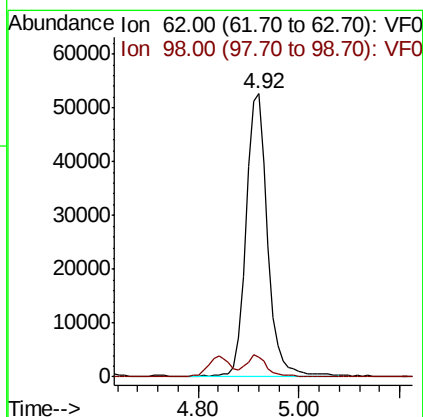
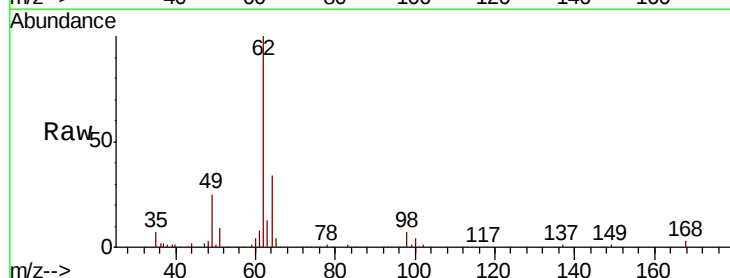
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

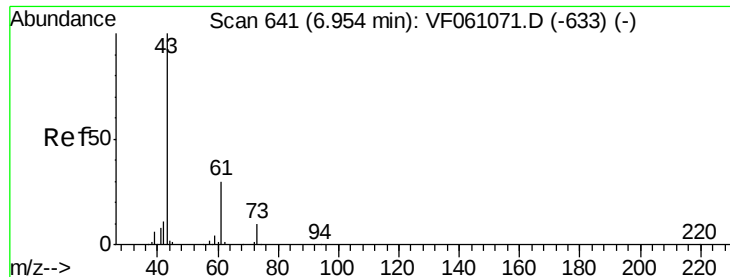
Tgt Ion: 41 Resp: 40426
Ion Ratio Lower Upper
41 100
39 53.2 45.7 68.5
67 47.8 38.9 58.3
52 34.7 35.2 52.8#



#42
1,2-Dichloroethane
Concen: 46.571 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.02 min
Lab File: VF061202.D
Acq: 27 Dec 2018 12:05

Tgt Ion: 62 Resp: 156629
Ion Ratio Lower Upper
62 100
98 7.1 0.0 16.6





#43

Isopropyl Acetate

Concen: 44.035 ug/l

RT: 6.93 min Scan# 639

Delta R.T. -0.02 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

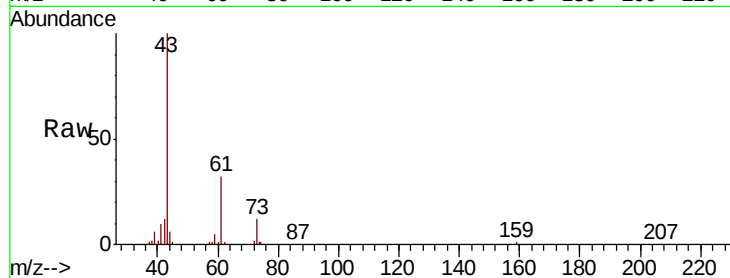
Tgt Ion: 43 Resp: 87533

Ion Ratio Lower Upper

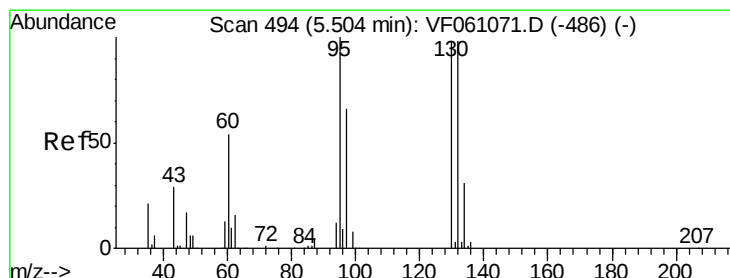
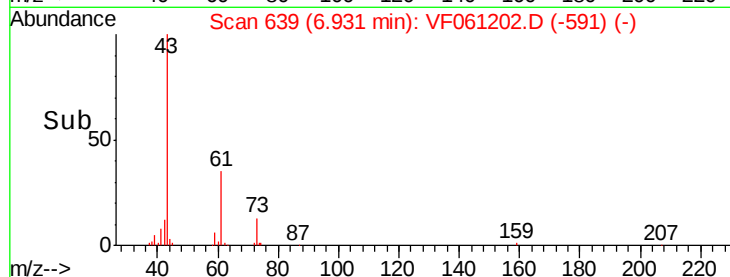
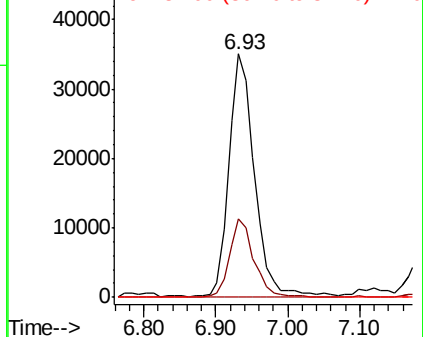
43 100

61 32.4 23.8 35.8

87 0.3 0.0 0.0#



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: 47.020 ug/l

RT: 5.48 min Scan# 492

Delta R.T. -0.02 min

Lab File: VF061202.D

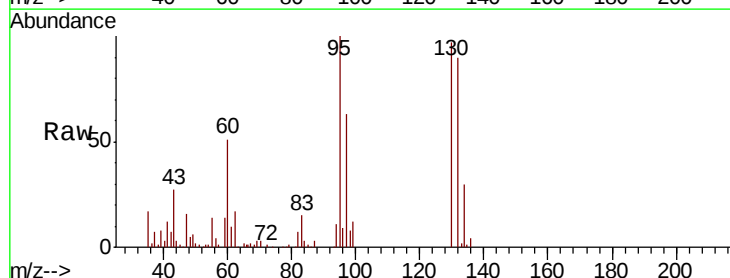
Acq: 27 Dec 2018 12:05

Tgt Ion: 130 Resp: 131242

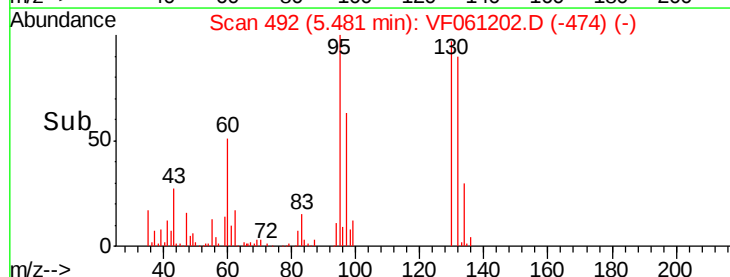
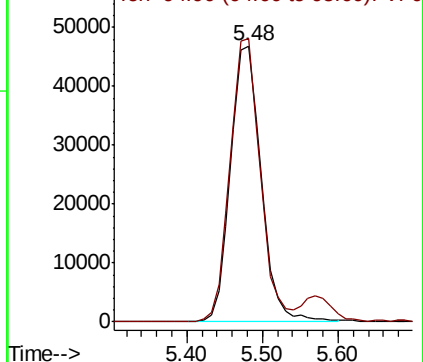
Ion Ratio Lower Upper

130 100

95 102.6 0.0 205.2



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





#45

1,2-Dichloropropane

Concen: 47.700 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.02 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

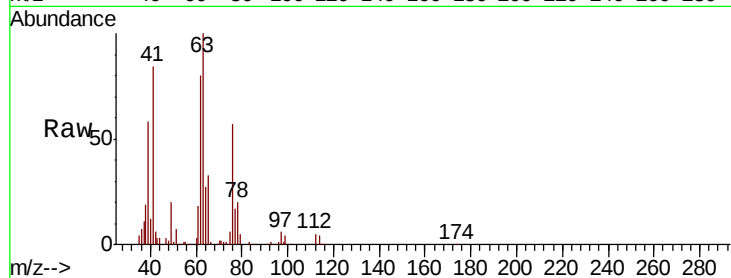
VSTDCCC050

Tgt Ion: 63 Resp: 114894

Ion Ratio Lower Upper

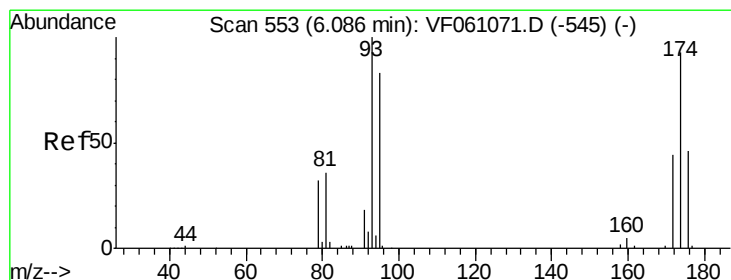
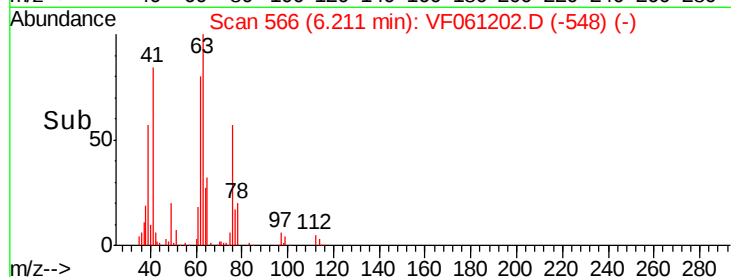
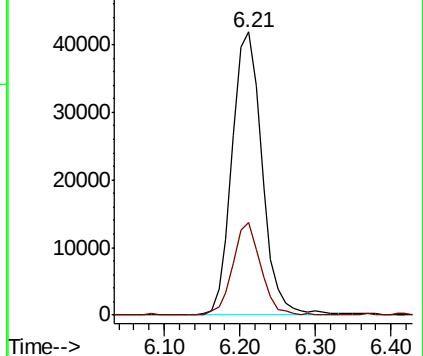
63 100

65 32.8 24.4 36.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 47.525 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.02 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

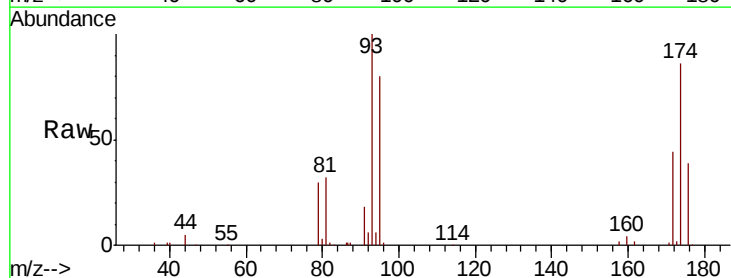
Tgt Ion: 93 Resp: 74246

Ion Ratio Lower Upper

93 100

95 80.3 66.9 100.3

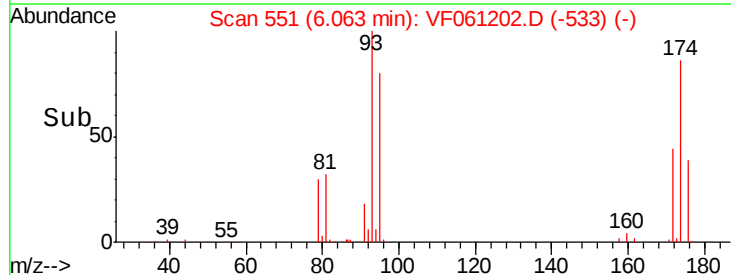
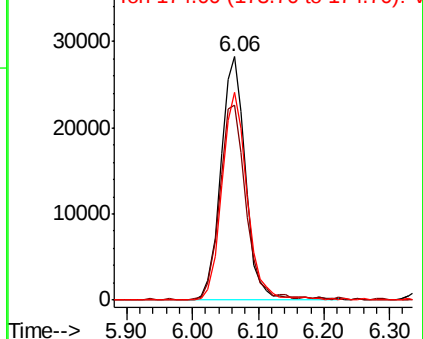
174 85.6 74.1 111.1

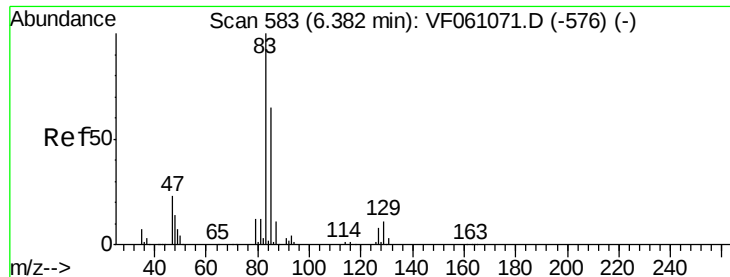


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 48.684 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.02 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

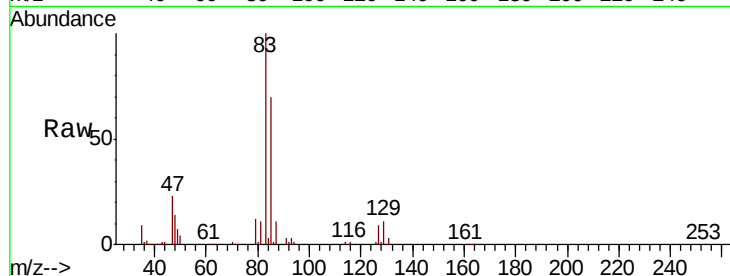
Tgt Ion: 83 Resp: 197613

Ion Ratio Lower Upper

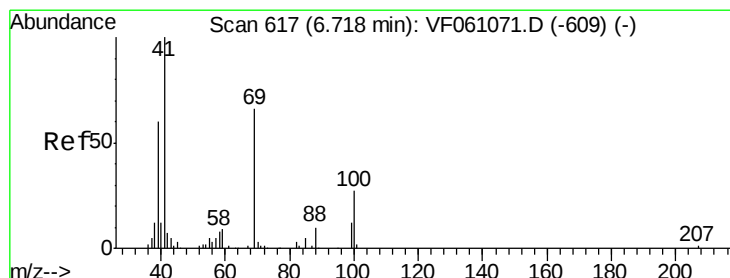
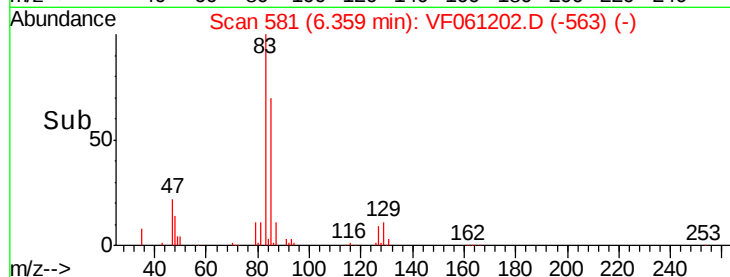
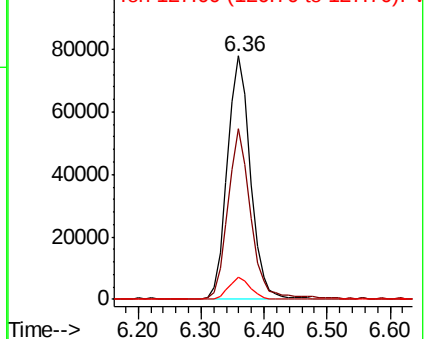
83 100

85 70.3 52.2 78.4

127 8.9 6.1 9.1



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: 42.994 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.02 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

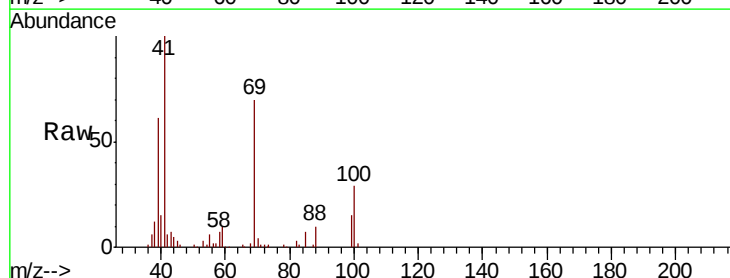
Tgt Ion: 41 Resp: 59663

Ion Ratio Lower Upper

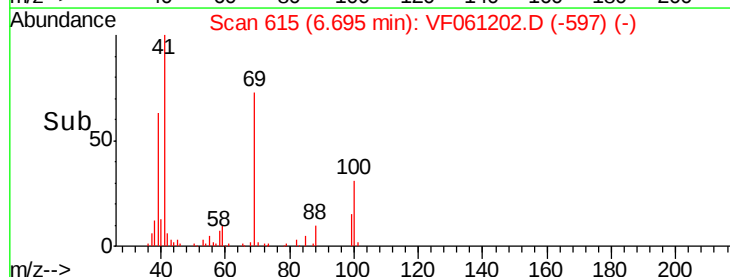
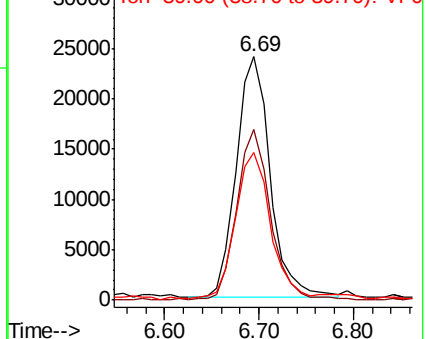
41 100

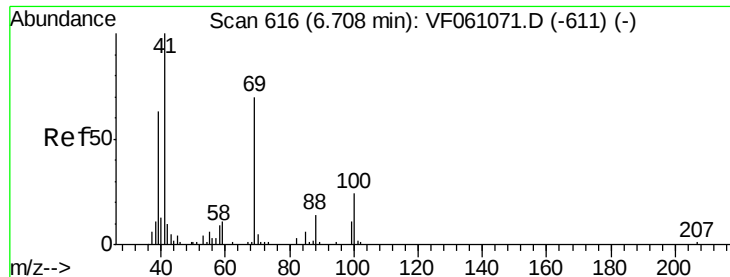
69 70.0 52.7 79.1

39 60.7 47.8 71.6



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

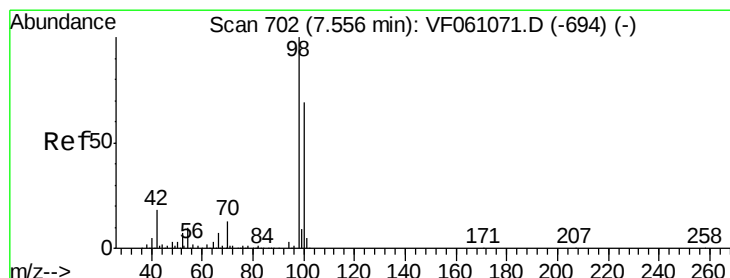
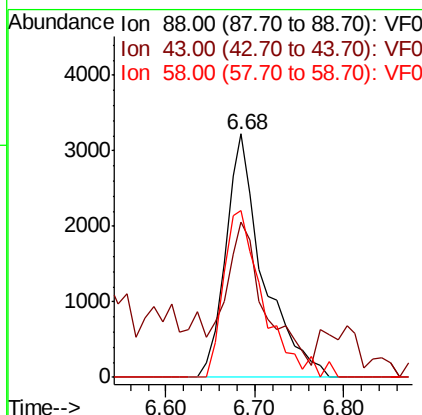
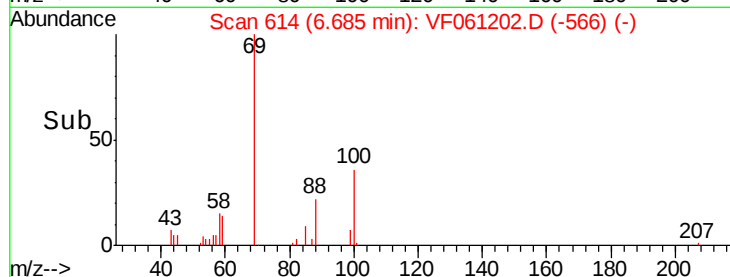
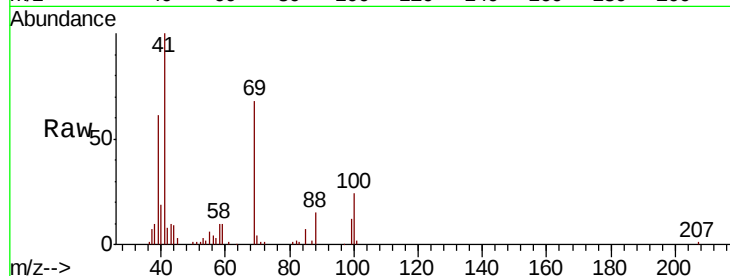




#49
1,4-Dioxane
Concen: 939.795 ug/l
RT: 6.68 min Scan# 614
Delta R.T. -0.02 min
Lab File: VF061202.D
Acq: 27 Dec 2018 12:05

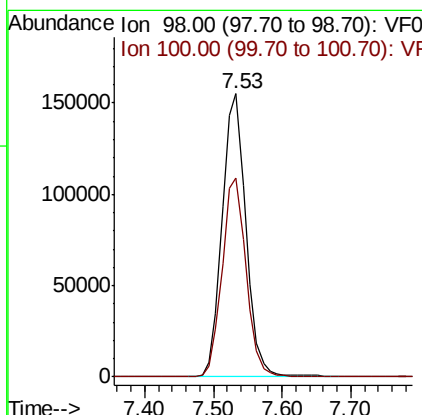
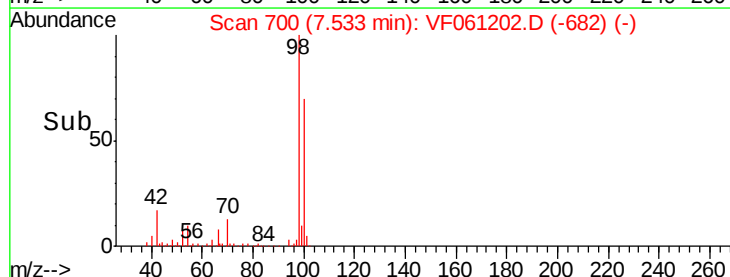
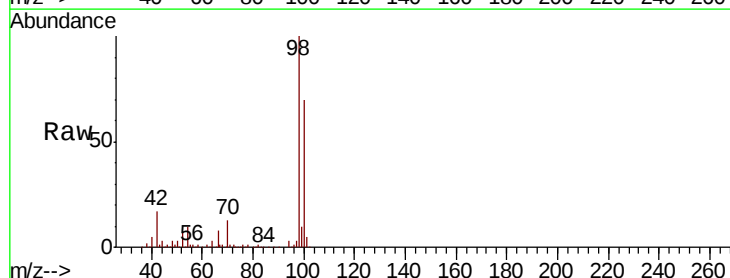
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 9463
Ion Ratio Lower Upper
88 100
43 63.9 33.3 49.9#
58 68.3 53.2 79.8



#50
Toluene-d8
Concen: 48.054 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.02 min
Lab File: VF061202.D
Acq: 27 Dec 2018 12:05

Tgt Ion: 98 Resp: 372052
Ion Ratio Lower Upper
98 100
100 70.4 55.3 82.9





#51

4-Methyl-2-Pentanone

Concen: 225.307 ug/l

RT: 8.23 min Scan# 771

Delta R.T. -0.02 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

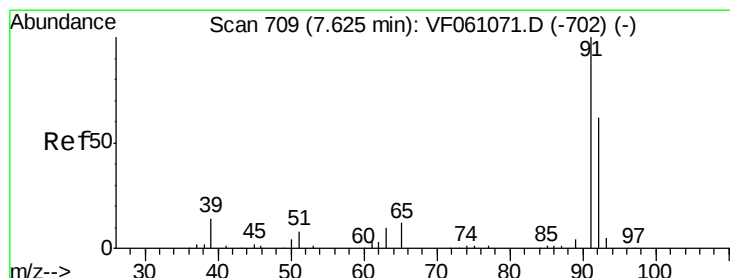
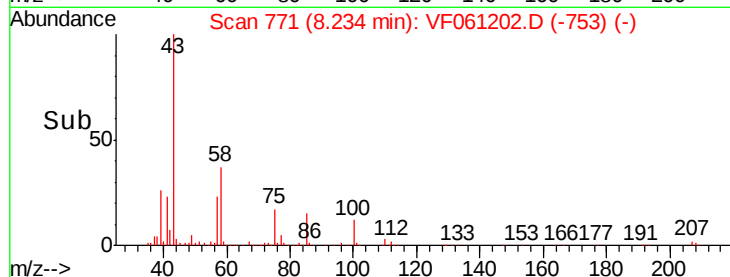
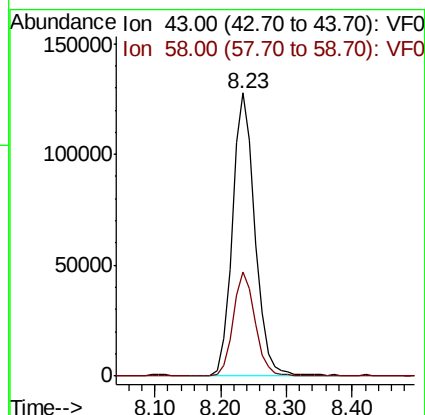
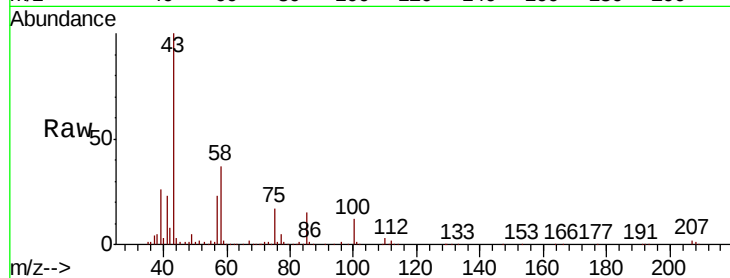
VSTDCCC050

Tgt Ion: 43 Resp: 307159

Ion Ratio Lower Upper

43 100

58 36.9 29.1 43.7



#52

Toluene

Concen: 45.061 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.02 min

Lab File: VF061202.D

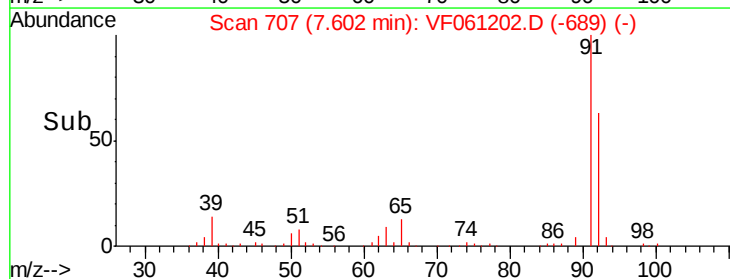
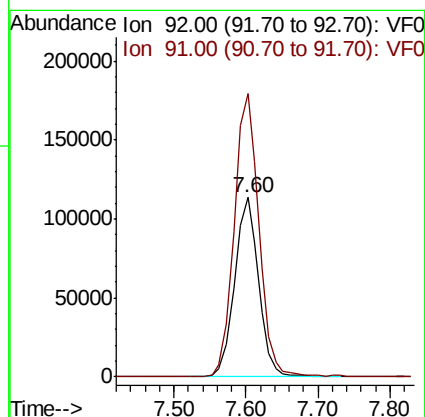
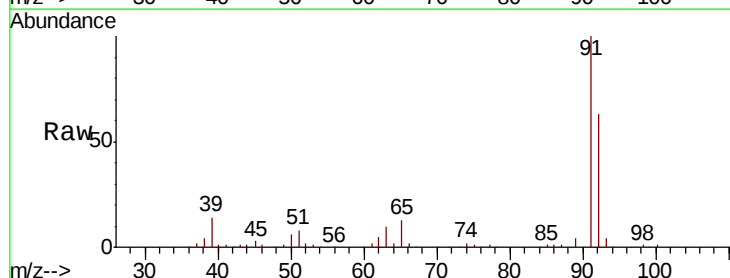
Acq: 27 Dec 2018 12:05

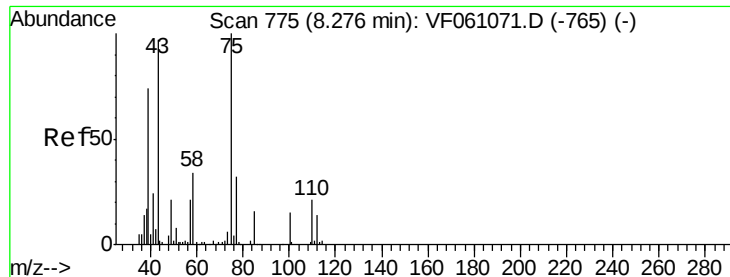
Tgt Ion: 92 Resp: 264075

Ion Ratio Lower Upper

92 100

91 157.9 128.8 193.2

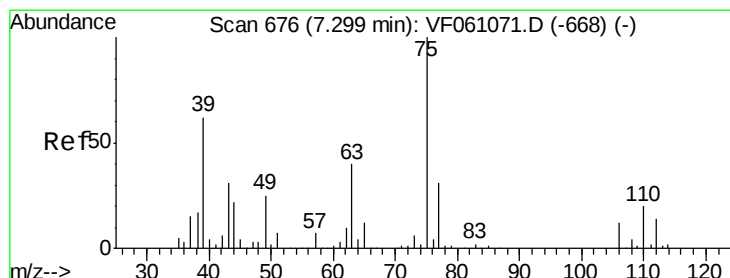
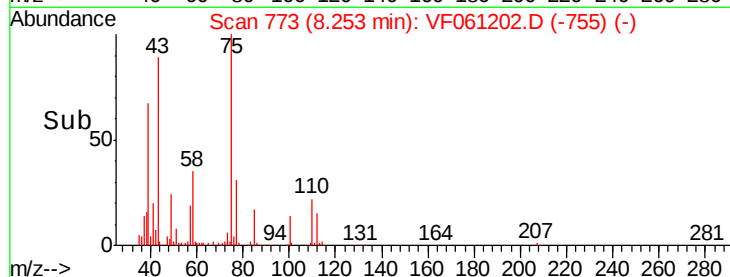
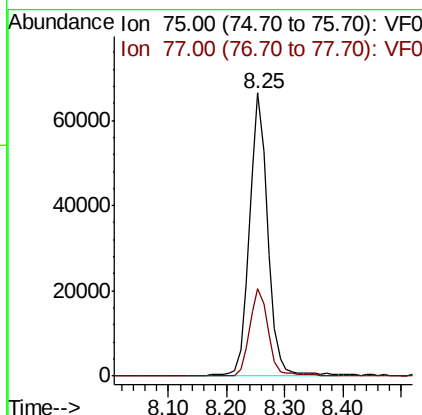
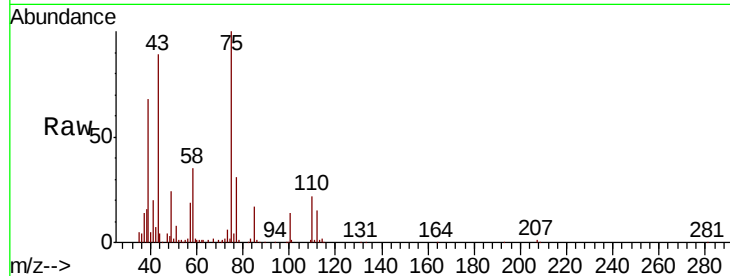




#53
 t-1,3-Dichloropropene
 Concen: 45.012 ug/l
 RT: 8.25 min Scan# 773
 Delta R.T. -0.02 min
 Lab File: VF061202.D
 Acq: 27 Dec 2018 12:05

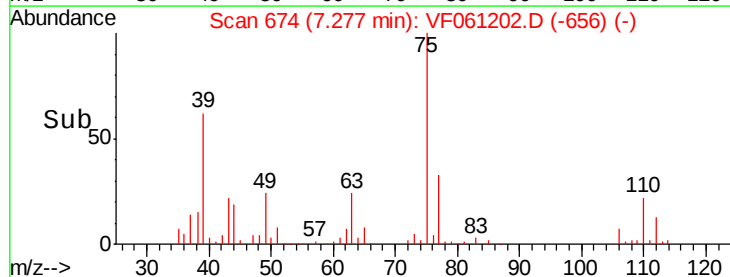
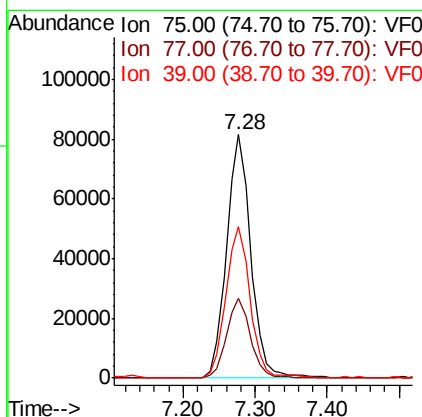
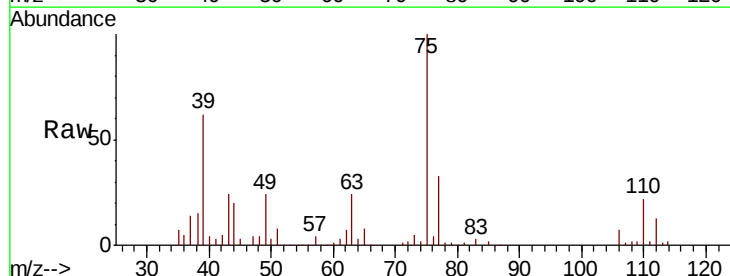
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 75 Resp: 147392
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 46.438 ug/l
 RT: 7.28 min Scan# 674
 Delta R.T. -0.02 min
 Lab File: VF061202.D
 Acq: 27 Dec 2018 12:05

Tgt Ion: 75 Resp: 190851
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.0 37.4
 39 62.2 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 46.311 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.02 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 81362

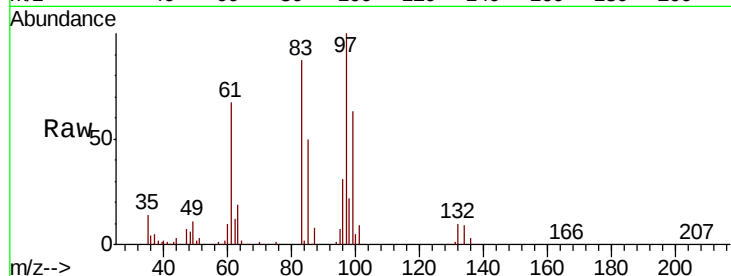
Ion Ratio Lower Upper

97 100

83 86.5 75.0 112.4

85 50.2 47.5 71.3

99 63.4 51.9 77.9

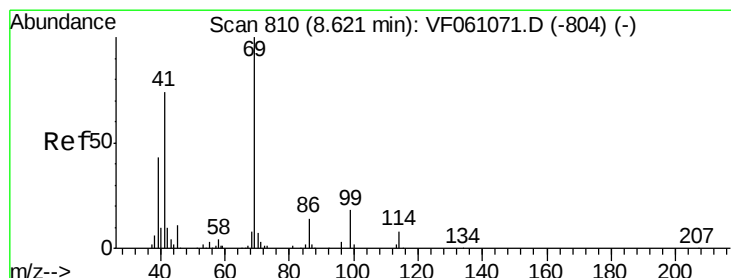
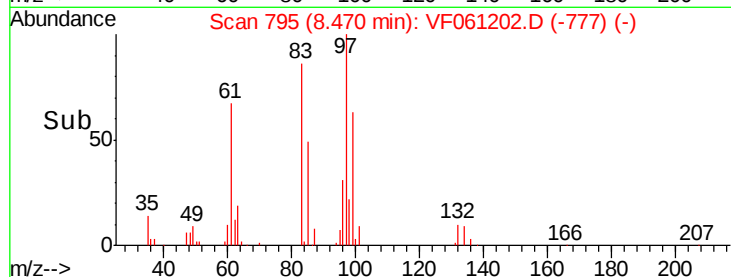
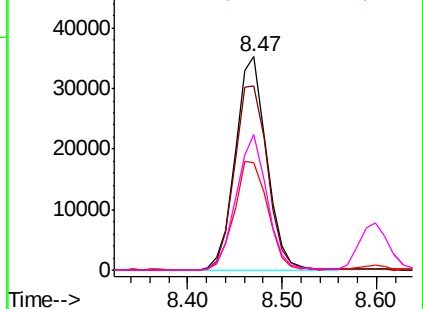


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 46.854 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.02 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

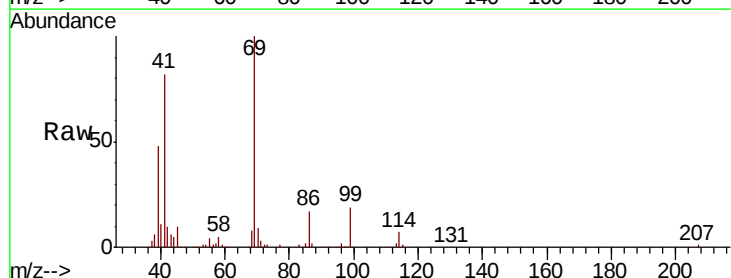
Tgt Ion: 69 Resp: 89073

Ion Ratio Lower Upper

69 100

41 81.7 59.7 89.5

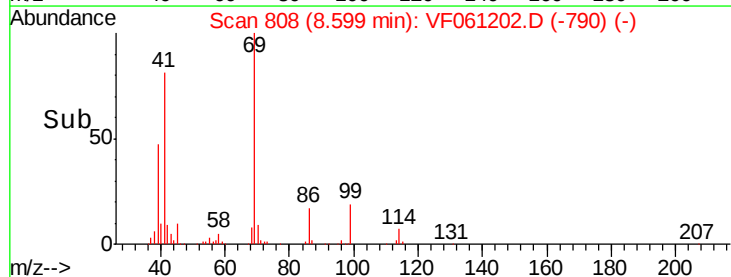
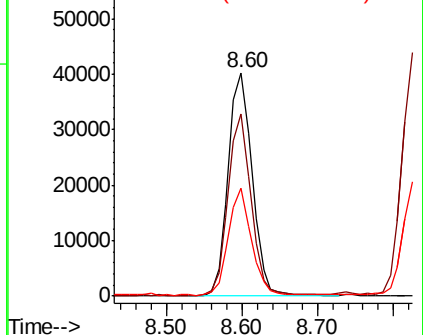
39 48.2 35.0 52.6

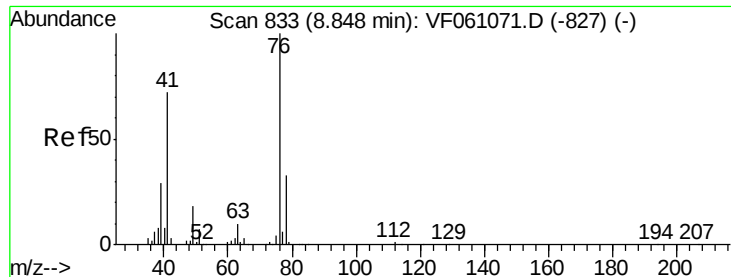


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 47.378 ug/l

RT: 8.83 min Scan# 831

Delta R.T. -0.02 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

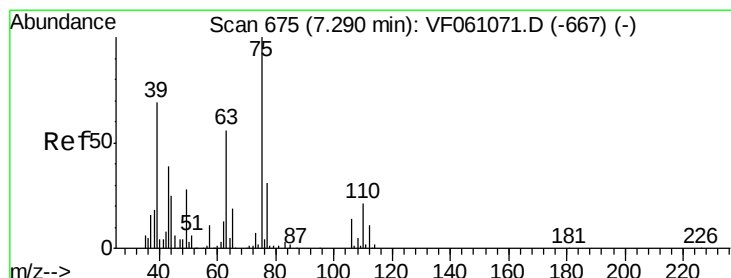
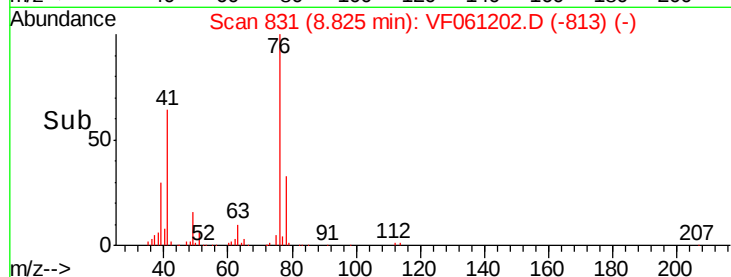
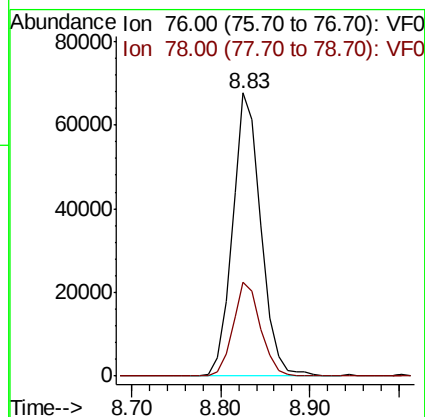
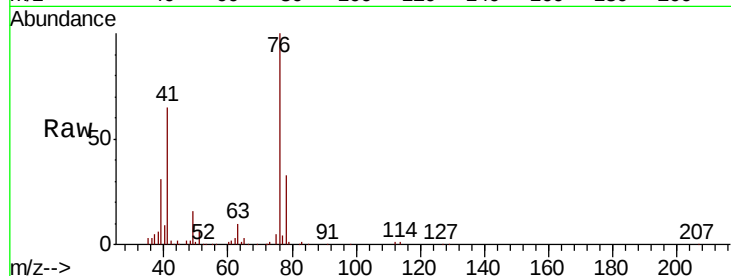
VSTDCCC050

Tgt Ion: 76 Resp: 150543

Ion Ratio Lower Upper

76 100

78 33.2 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 140.414 ug/l

RT: 7.27 min Scan# 673

Delta R.T. -0.02 min

Lab File: VF061202.D

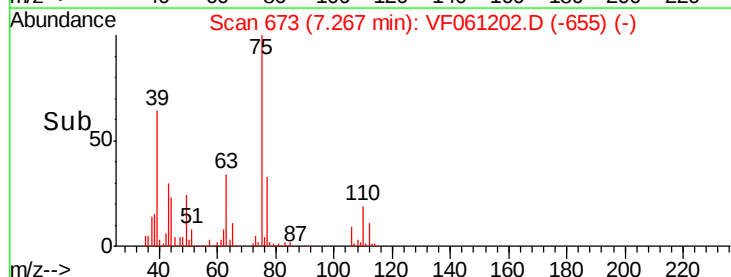
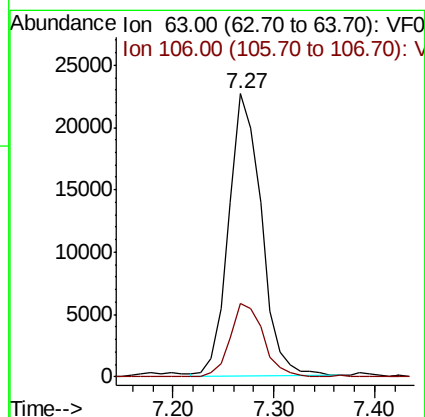
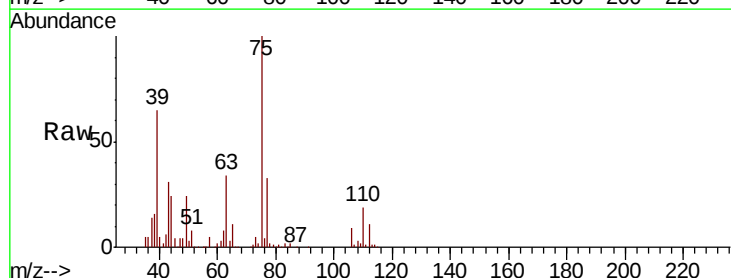
Acq: 27 Dec 2018 12:05

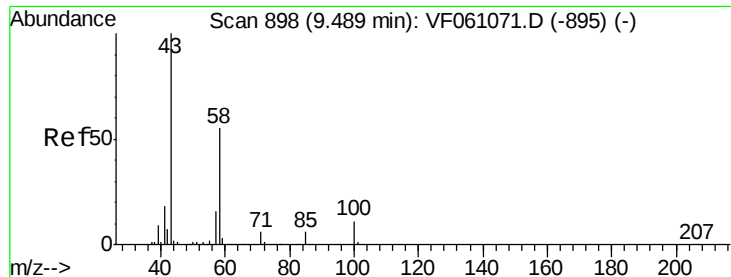
Tgt Ion: 63 Resp: 51267

Ion Ratio Lower Upper

63 100

106 25.8 19.8 29.8

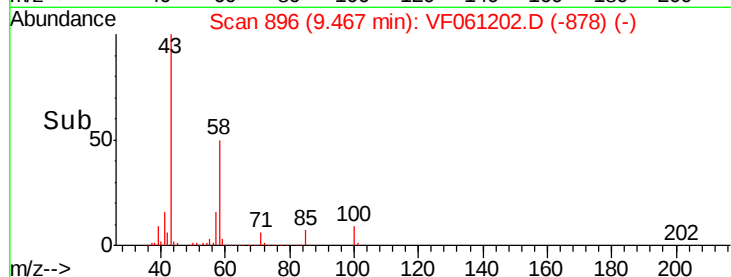
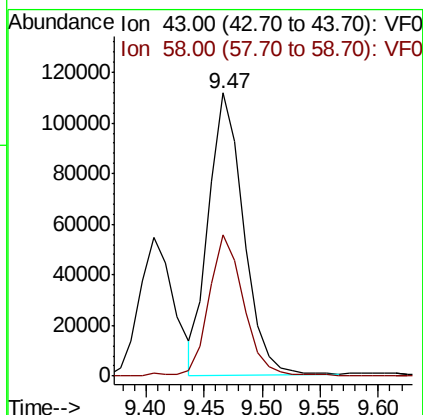
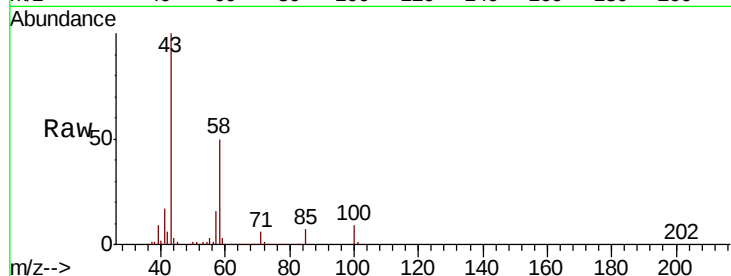




#59
2-Hexanone
Concen: 235.418 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.02 min
Lab File: VF061202.D
Acq: 27 Dec 2018 12:05

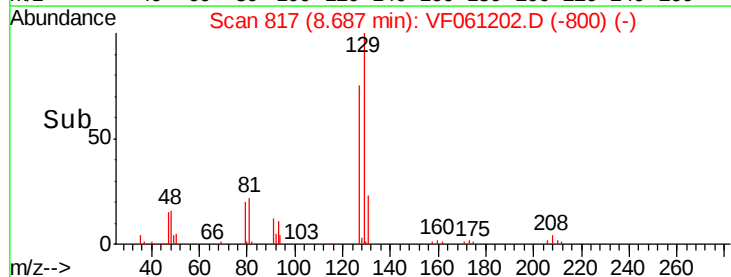
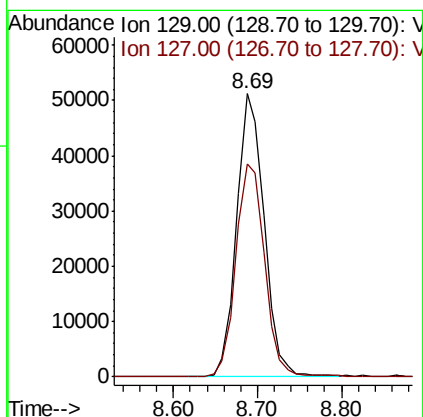
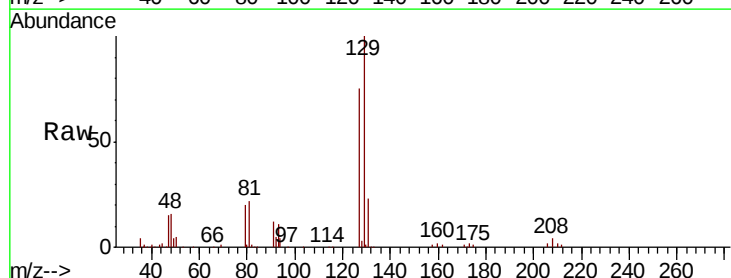
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

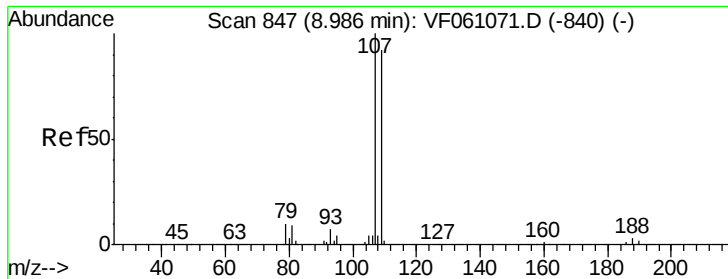
Tgt Ion: 43 Resp: 232099
Ion Ratio Lower Upper
43 100
58 49.7 25.1 75.2



#60
Dibromochloromethane
Concen: 46.281 ug/l
RT: 8.69 min Scan# 817
Delta R.T. -0.03 min
Lab File: VF061202.D
Acq: 27 Dec 2018 12:05

Tgt Ion: 129 Resp: 116554
Ion Ratio Lower Upper
129 100
127 75.1 36.8 110.3





#61

1,2-Dibromoethane

Concen: 44.890 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.02 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

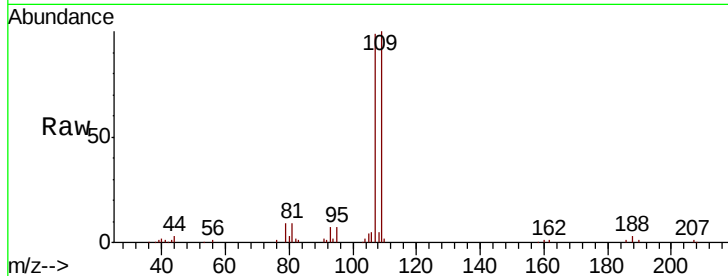
VSTDCCC050

Tgt Ion: 107 Resp: 84229

Ion Ratio Lower Upper

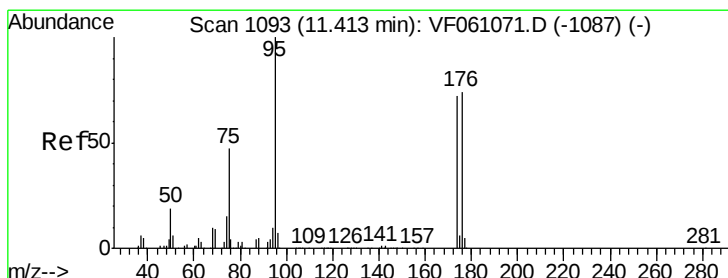
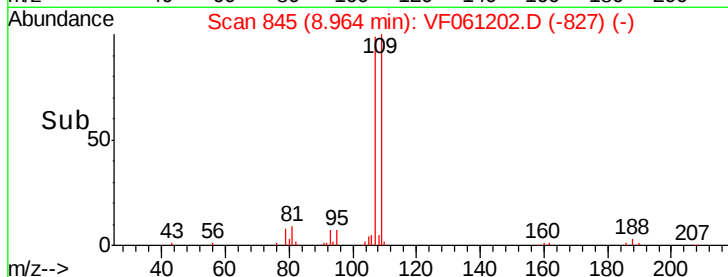
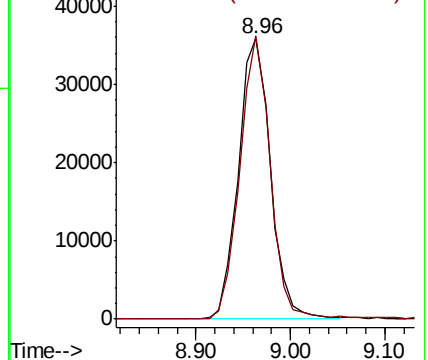
107 100

109 100.9 73.7 110.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 45.460 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

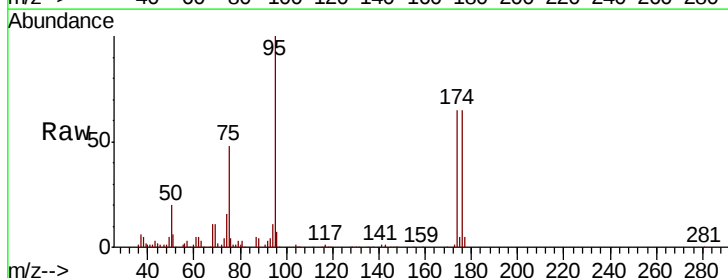
Tgt Ion: 95 Resp: 162265

Ion Ratio Lower Upper

95 100

174 64.5 0.0 143.8

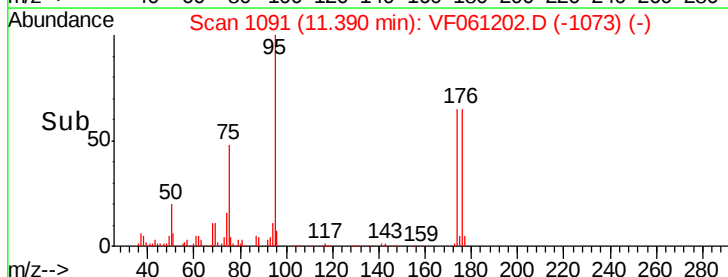
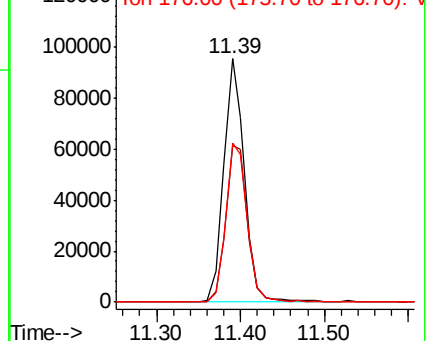
176 65.2 0.0 147.6

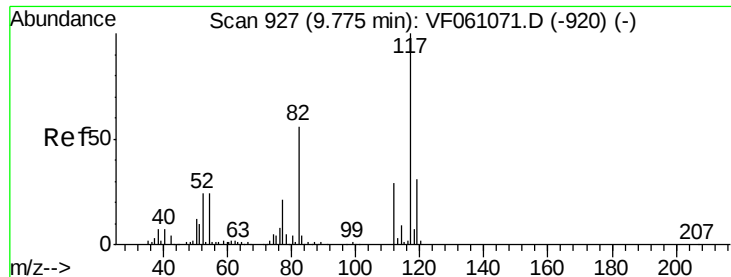


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

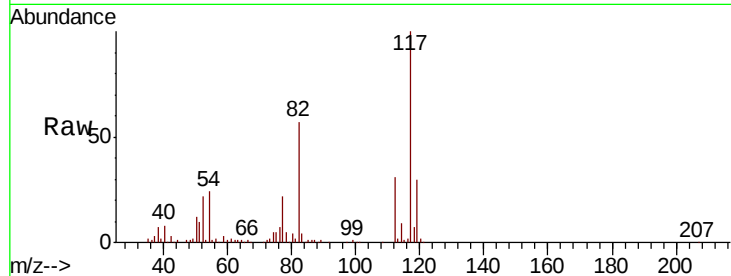




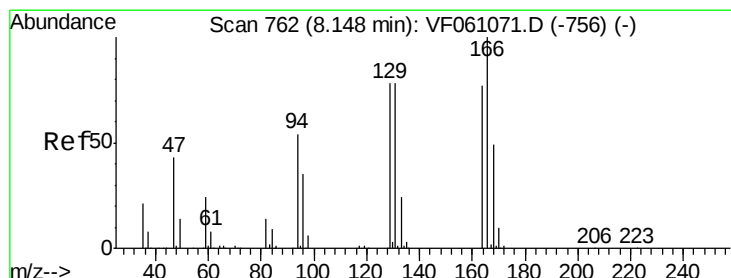
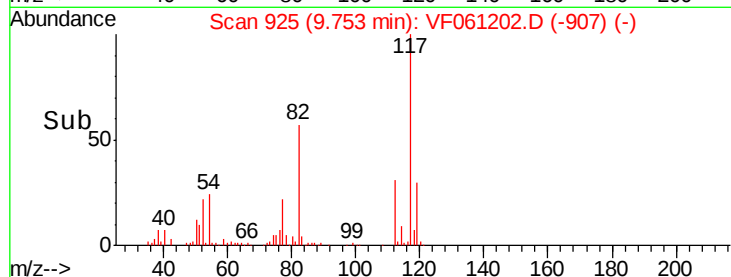
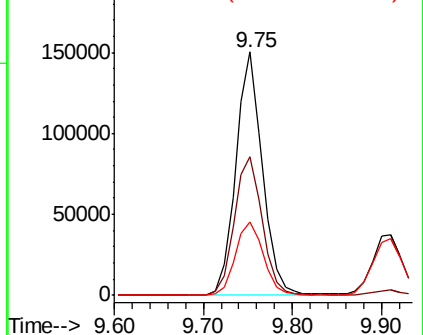
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF061202.D
Acq: 27 Dec 2018 12:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 312653
Ion Ratio Lower Upper
117 100
82 57.0 45.0 67.4
119 30.1 24.8 37.2

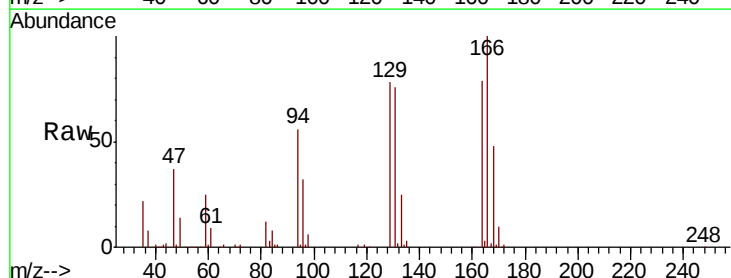


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

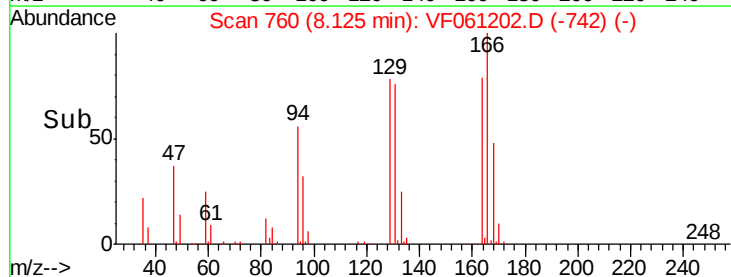
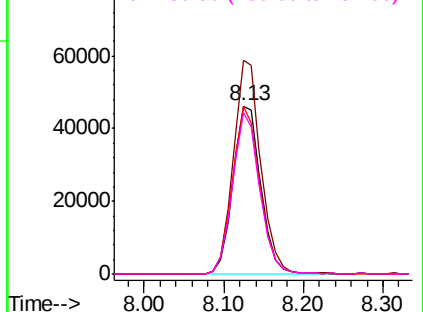


#64
Tetrachloroethene
Concen: 46.829 ug/l
RT: 8.13 min Scan# 760
Delta R.T. -0.02 min
Lab File: VF061202.D
Acq: 27 Dec 2018 12:05

Tgt Ion:164 Resp: 112629
Ion Ratio Lower Upper
164 100
166 127.4 104.0 156.0
129 99.7 81.1 121.7
131 96.4 81.2 121.8



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: 48.642 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.02 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

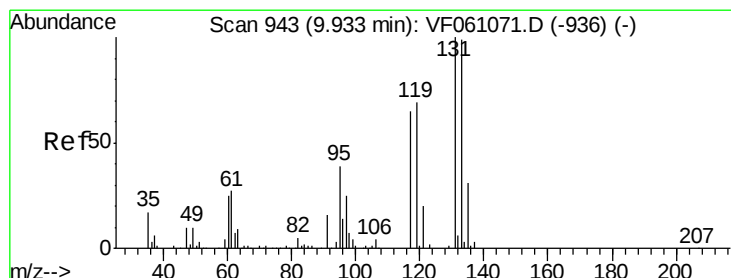
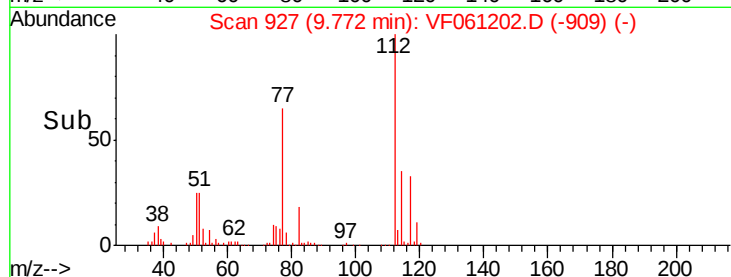
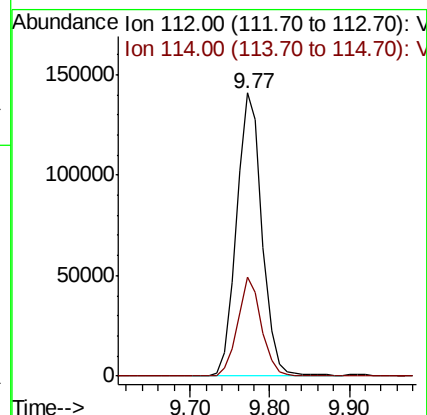
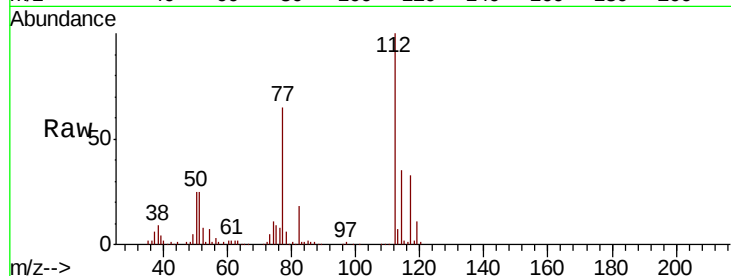
VSTDCCC050

Tgt Ion:112 Resp: 314178

Ion Ratio Lower Upper

112 100

114 35.2 27.8 41.6



#66

1,1,1,2-Tetrachloroethane

Concen: 48.467 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.02 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

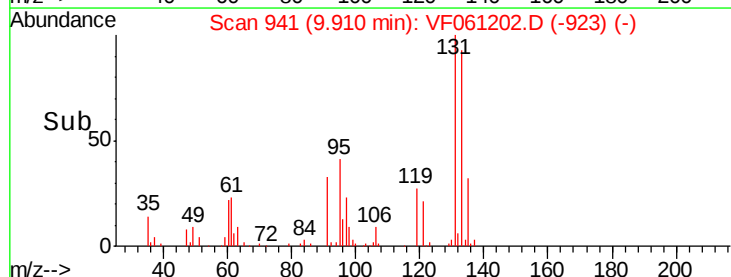
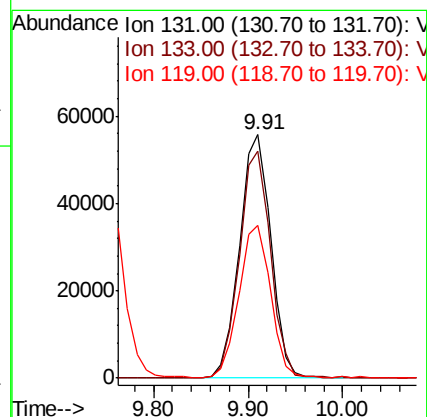
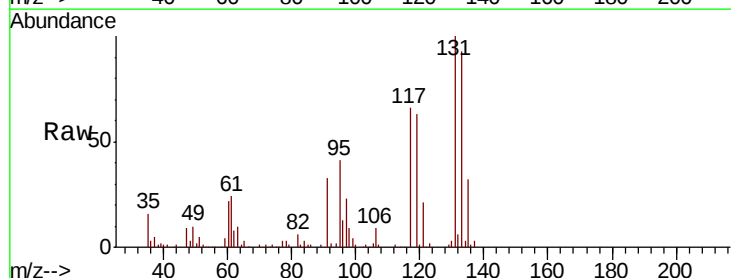
Tgt Ion:131 Resp: 127930

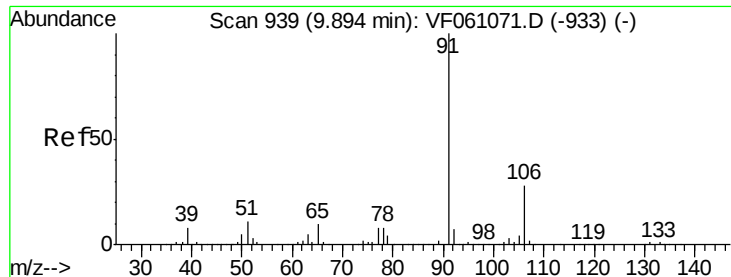
Ion Ratio Lower Upper

131 100

133 93.2 49.5 148.7

119 62.9 34.5 103.5





#67

Ethyl Benzene

Concen: 46.983 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.01 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

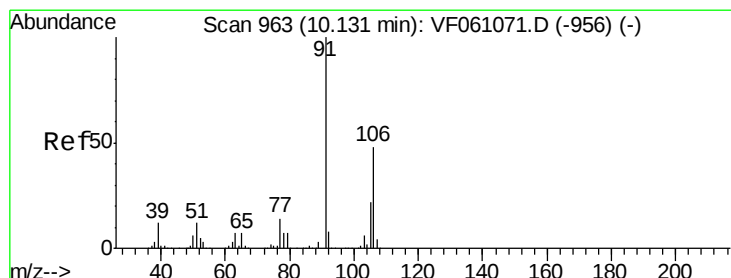
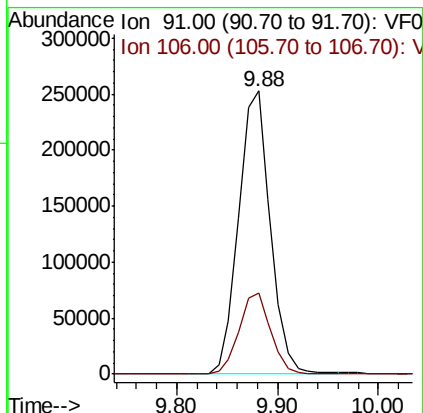
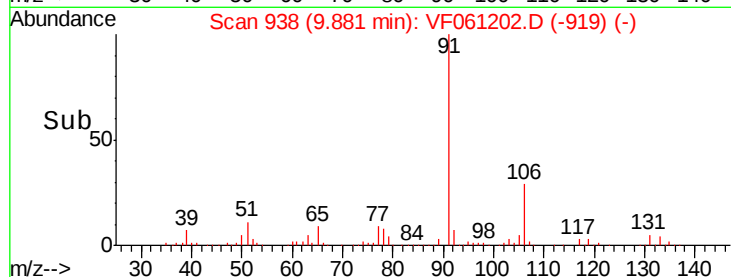
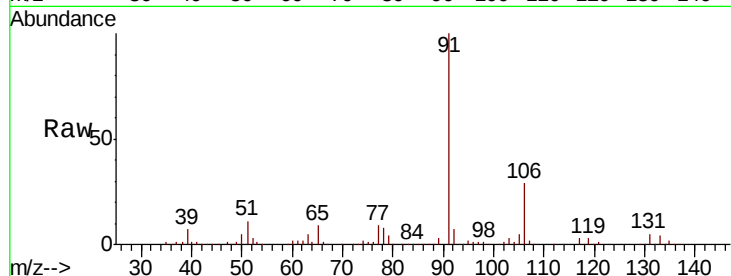
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 552854

Ion Ratio Lower Upper

91 100

106 28.7 22.5 33.7



#68

m/p-Xylenes

Concen: 95.260 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.02 min

Lab File: VF061202.D

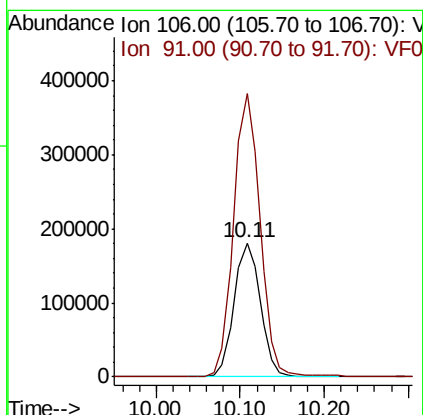
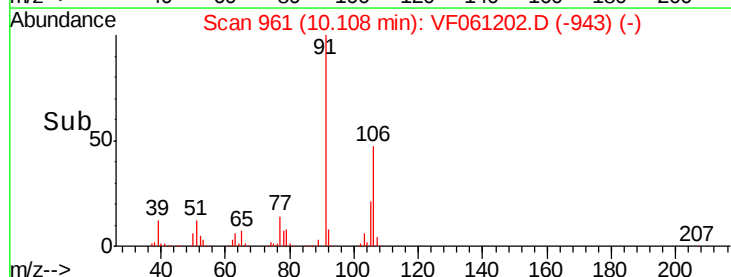
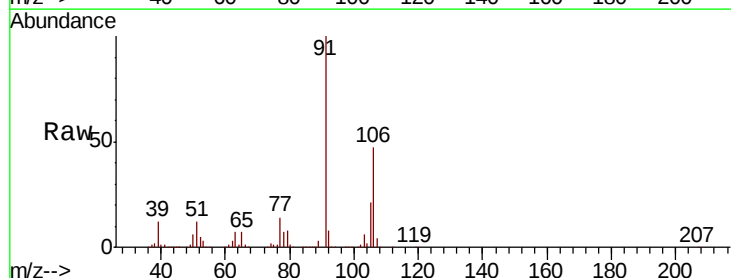
Acq: 27 Dec 2018 12:05

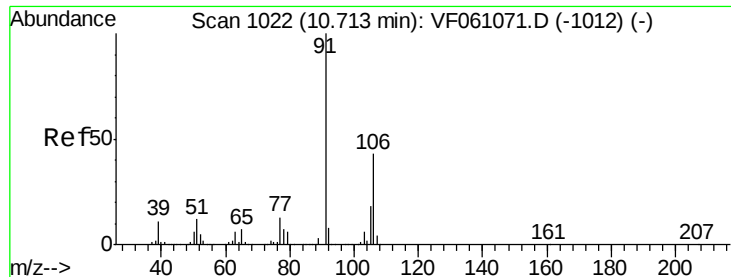
Tgt Ion: 106 Resp: 394480

Ion Ratio Lower Upper

106 100

91 211.3 168.2 252.2

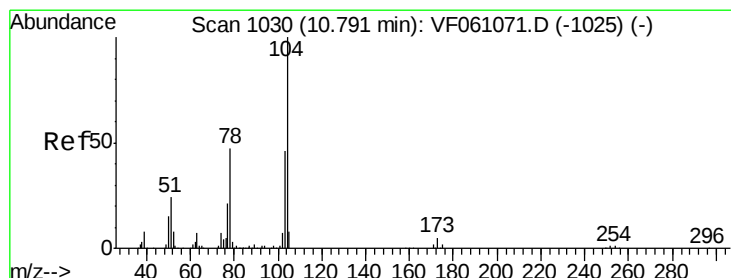
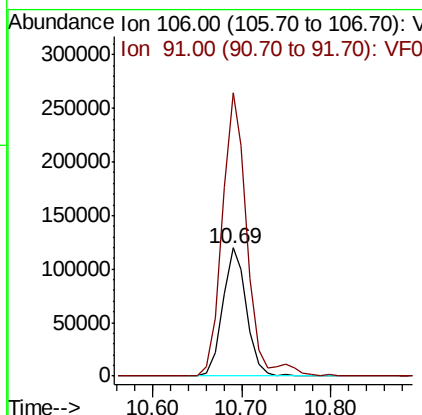
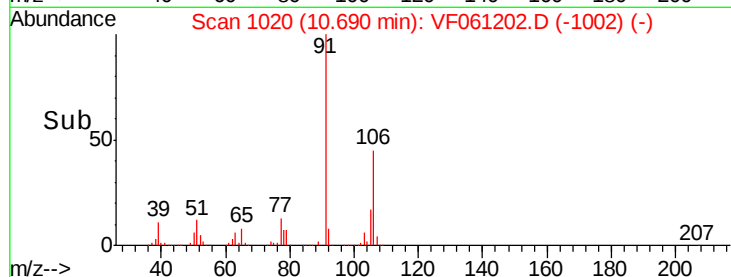
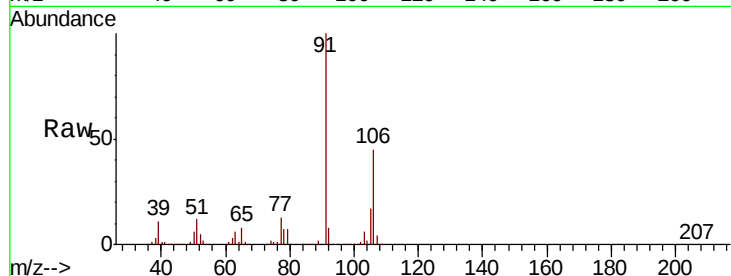




#69
o-Xylene
Concen: 49.441 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.02 min
Lab File: VF061202.D
Acq: 27 Dec 2018 12:05

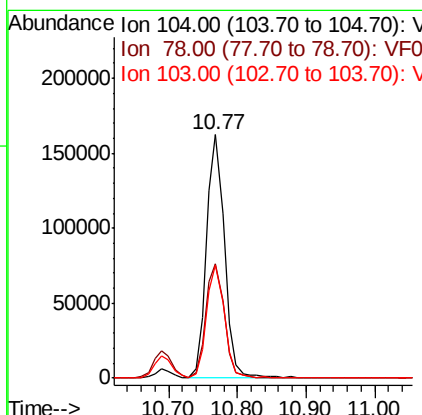
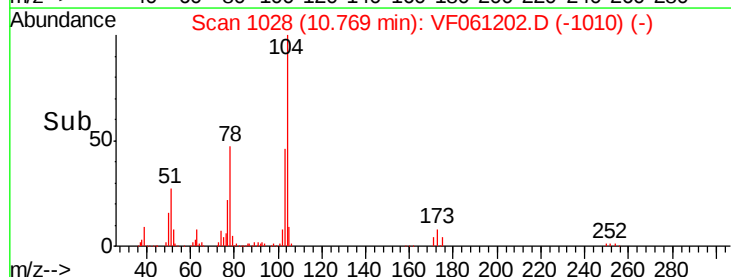
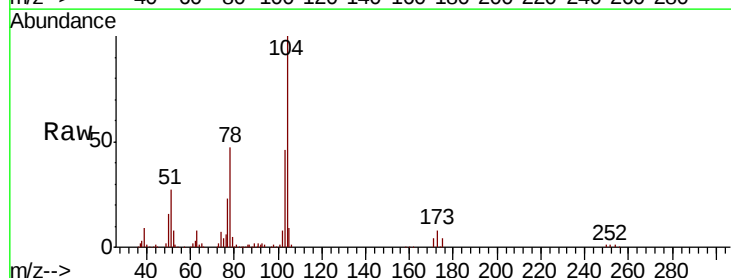
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

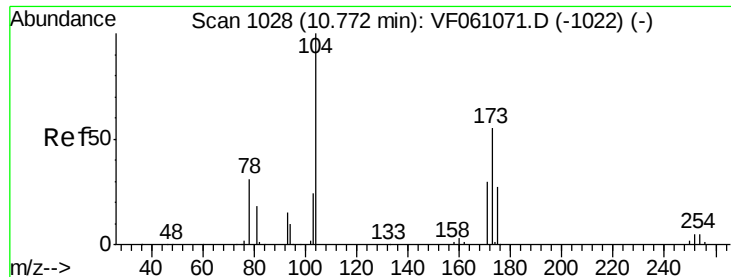
Tgt Ion:106 Resp: 227073
Ion Ratio Lower Upper
106 100
91 220.8 115.9 347.7



#70
Styrene
Concen: 53.217 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF061202.D
Acq: 27 Dec 2018 12:05

Tgt Ion:104 Resp: 296071
Ion Ratio Lower Upper
104 100
78 47.0 38.4 57.6
103 46.2 37.0 55.6





#71

Bromoform

Concen: 48.255 ug/l

RT: 10.75 min Scan# 1026

Delta R.T. -0.02 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

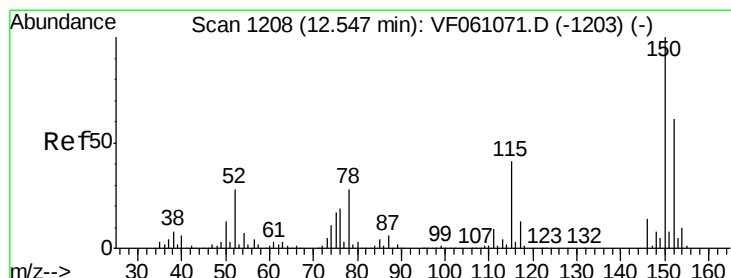
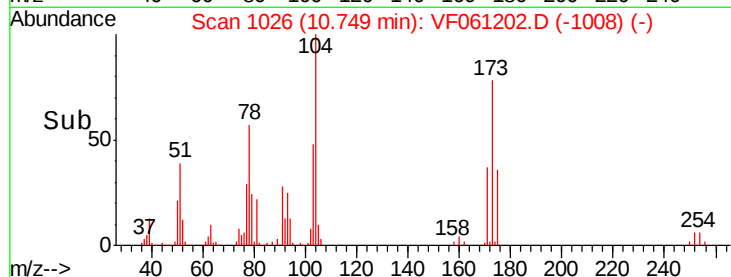
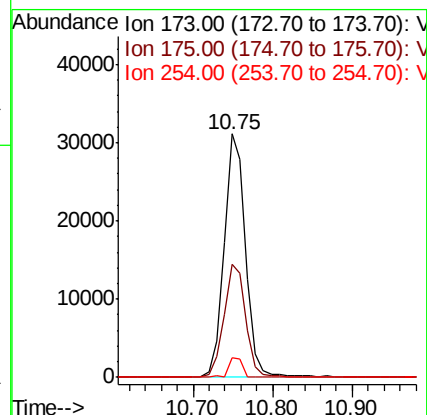
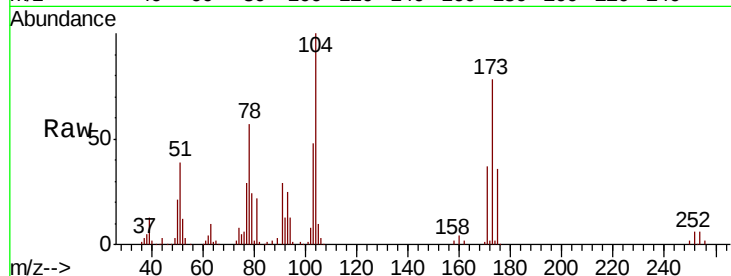
Tgt Ion:173 Resp: 58927

Ion Ratio Lower Upper

173 100

175 46.5 24.8 74.4

254 7.8 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

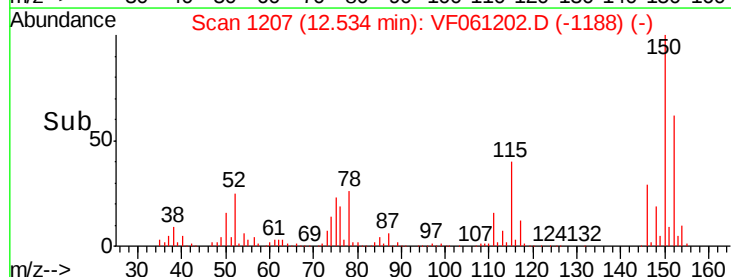
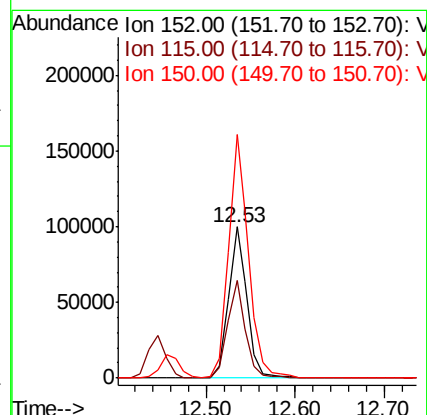
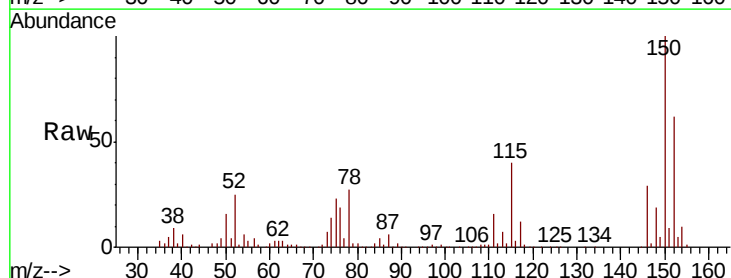
Tgt Ion:152 Resp: 146544

Ion Ratio Lower Upper

152 100

115 64.7 33.3 99.9

150 161.2 0.0 328.2





#73

Isopropylbenzene

Concen: 52.086 ug/l

RT: 11.10 min Scan# 1062

Delta R.T. -0.02 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

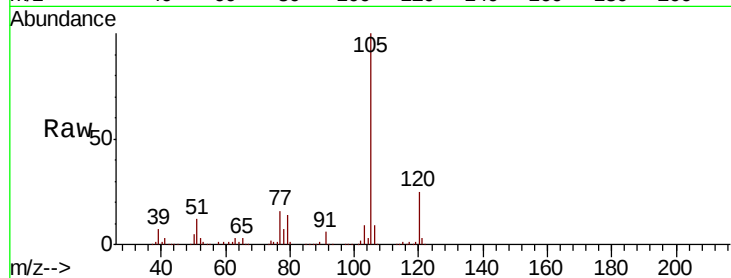
VSTDCCC050

Tgt Ion:105 Resp: 657763

Ion Ratio Lower Upper

105 100

120 25.3 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.10

400000

300000

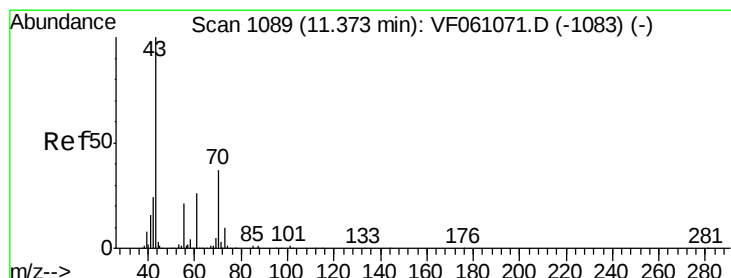
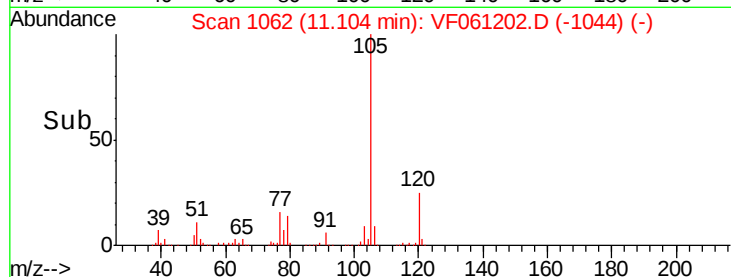
200000

100000

0

Time-->

11.00 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 50.750 ug/l

RT: 11.35 min Scan# 1087

Delta R.T. -0.02 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

Tgt Ion: 43 Resp: 142289

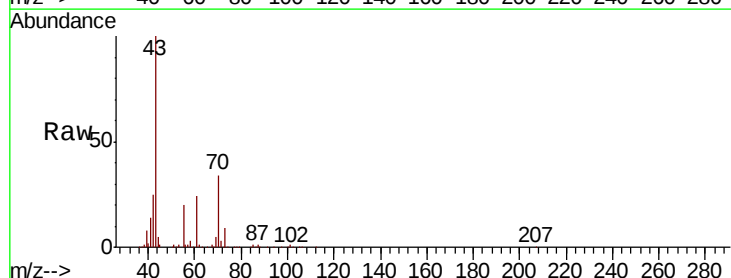
Ion Ratio Lower Upper

43 100

70 34.0 29.2 43.8

55 20.2 16.5 24.7

61 24.1 20.7 31.1



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

11.35

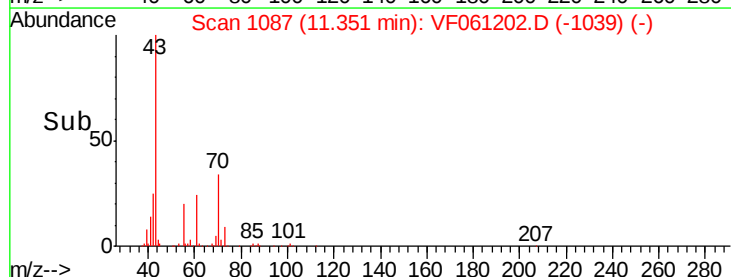
100000

50000

0

Time-->

11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 49.417 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

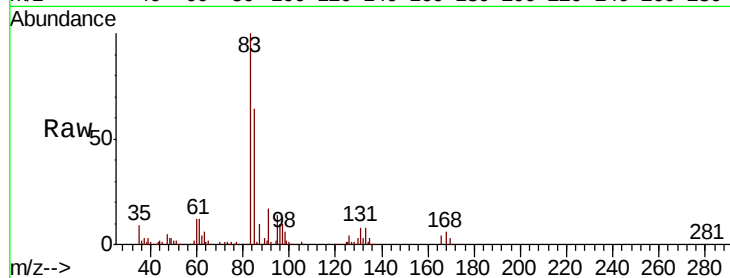
Tgt Ion: 83 Resp: 103574

Ion Ratio Lower Upper

83 100

131 8.2 4.8 14.3

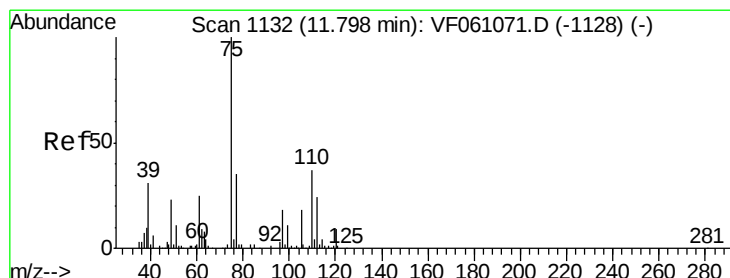
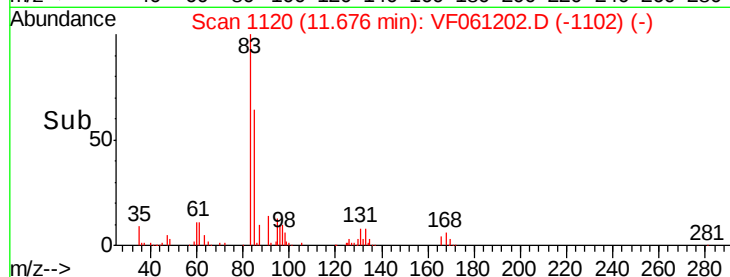
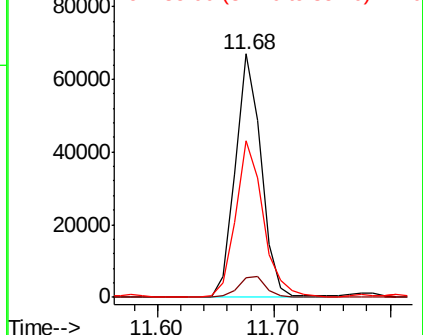
85 64.3 33.9 101.6



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: 47.942 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.02 min

Lab File: VF061202.D

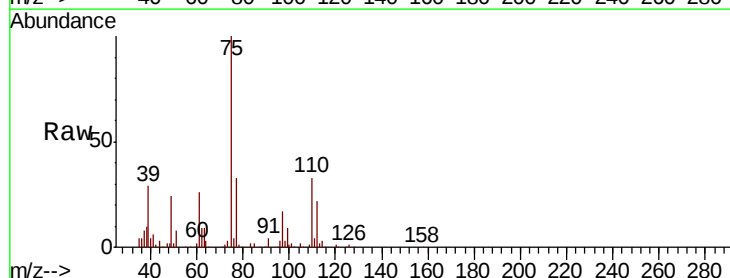
Acq: 27 Dec 2018 12:05

Tgt Ion: 75 Resp: 74779

Ion Ratio Lower Upper

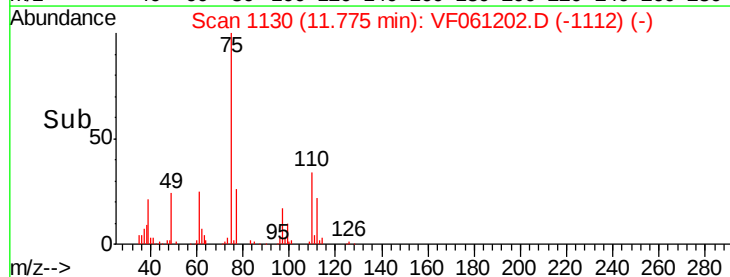
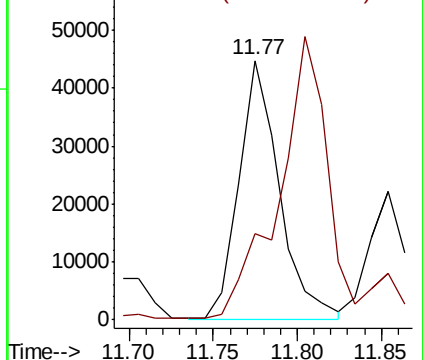
75 100

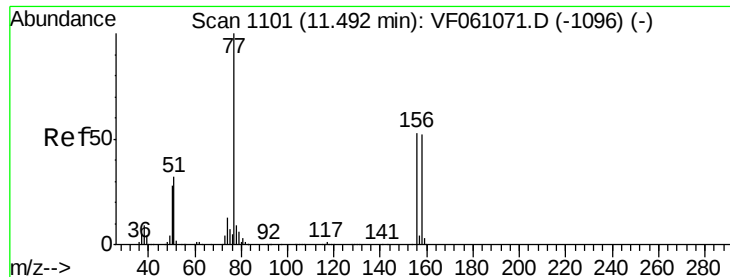
77 33.0 17.6 52.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 47.634 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VF061202.D

Acq: 27 Dec 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

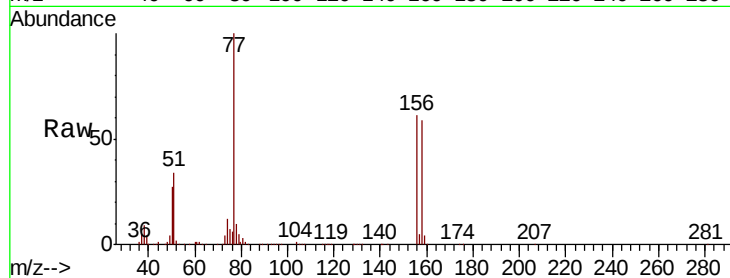
Tgt Ion: 156 Resp: 129493

Ion Ratio Lower Upper

156 100

77 164.4 93.8 281.4

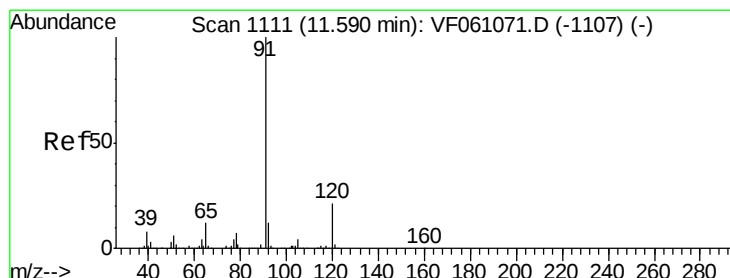
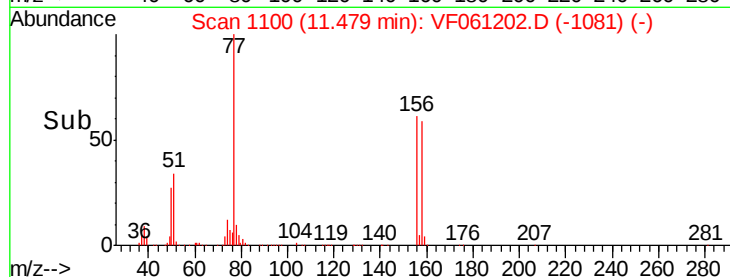
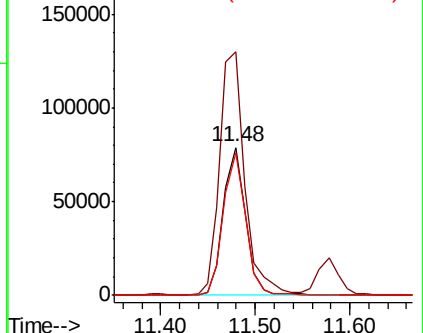
158 96.3 48.9 146.8



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: 49.473 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VF061202.D

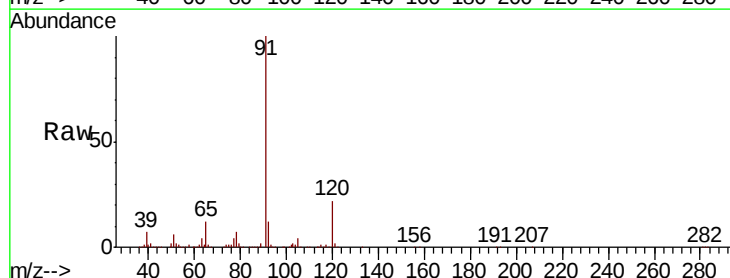
Acq: 27 Dec 2018 12:05

Tgt Ion: 91 Resp: 720901

Ion Ratio Lower Upper

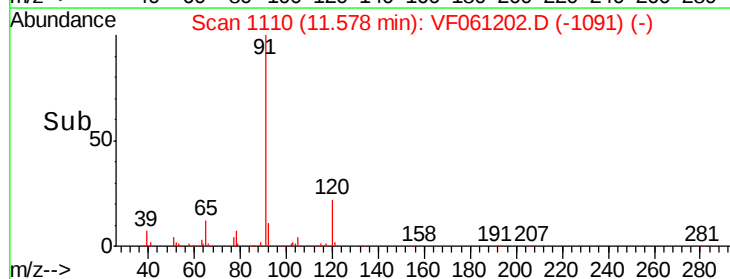
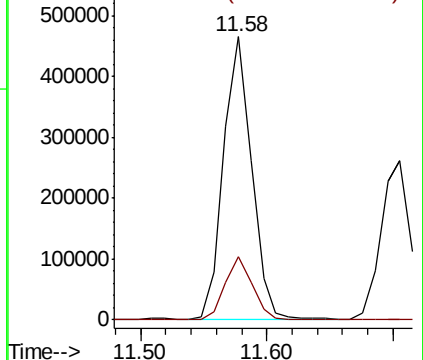
91 100

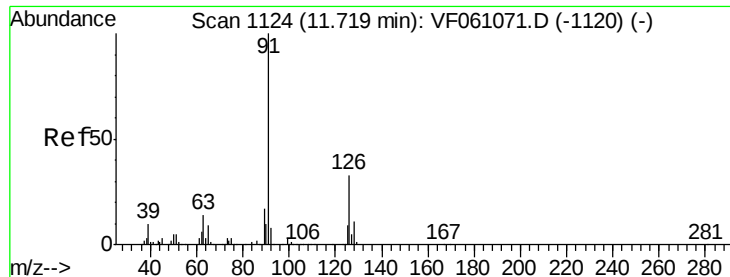
120 22.4 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

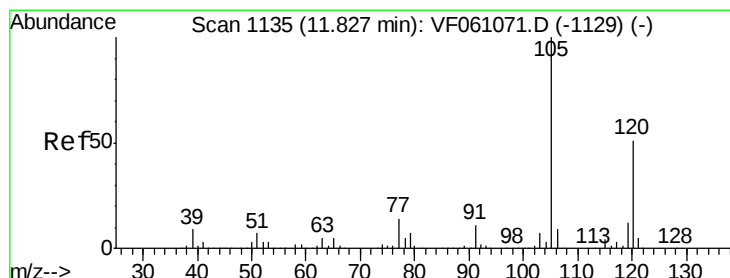
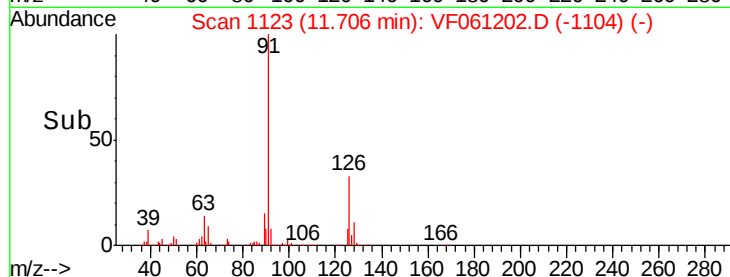
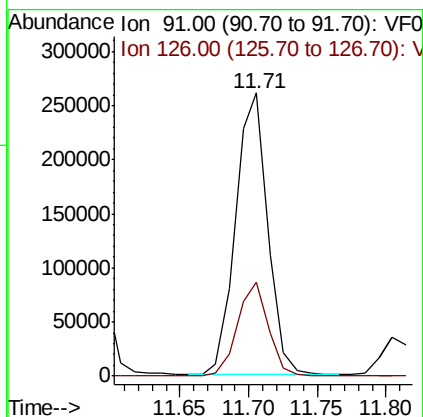
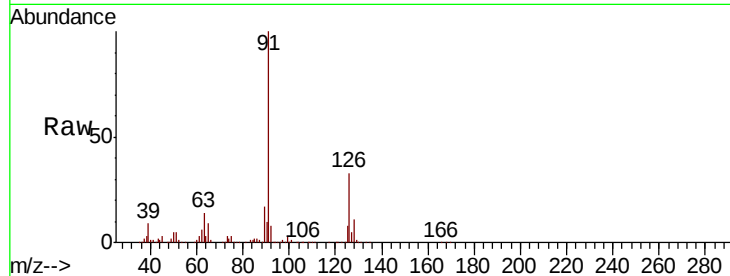




#79
 2-Chlorotoluene
 Concen: 48.740 ug/l
 RT: 11.71 min Scan# 1123
 Delta R.T. -0.01 min
 Lab File: VF061202.D
 Acq: 27 Dec 2018 12:05

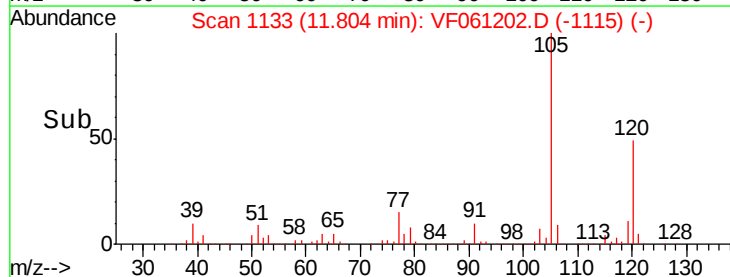
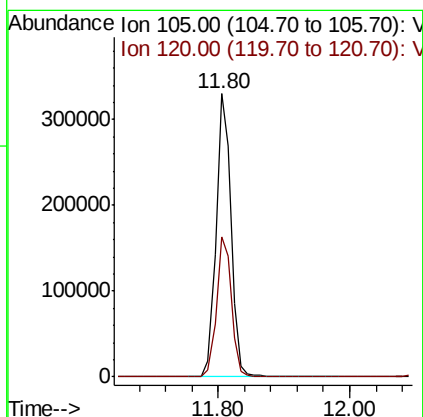
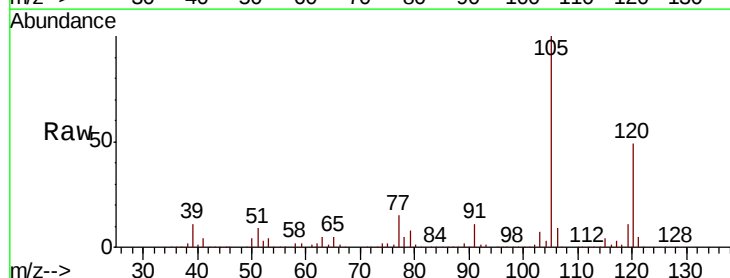
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 91 Resp: 422245
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 49.640 ug/l
 RT: 11.80 min Scan# 1133
 Delta R.T. -0.02 min
 Lab File: VF061202.D
 Acq: 27 Dec 2018 12:05

Tgt Ion: 105 Resp: 516182
 Ion Ratio Lower Upper
 105 100
 120 49.3 25.4 76.4

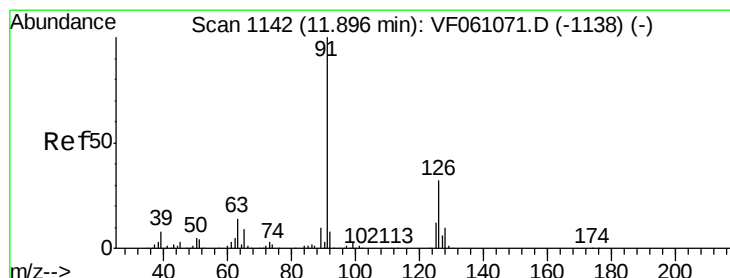
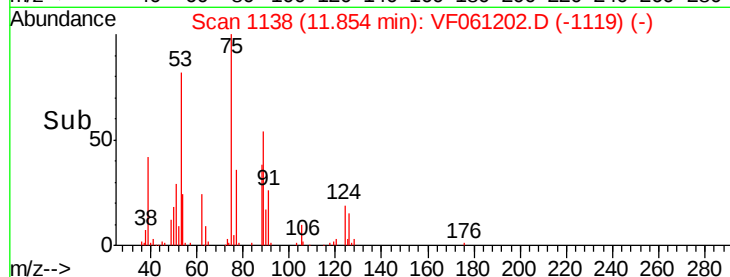
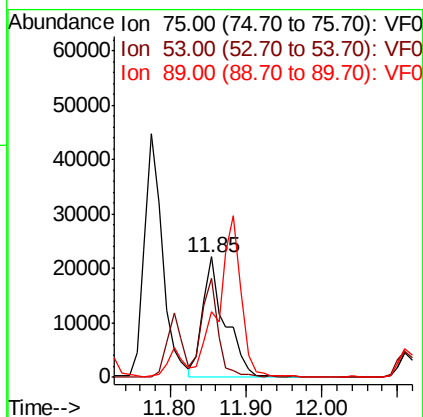
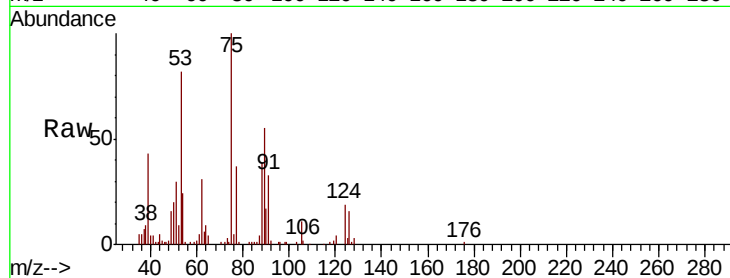




#81
trans-1,4-Dichloro-2-butene
Concen: 68.945 ug/l
RT: 11.85 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VF061202.D
Acq: 27 Dec 2018 12:05

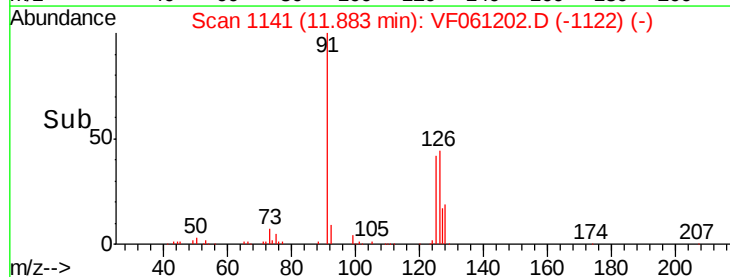
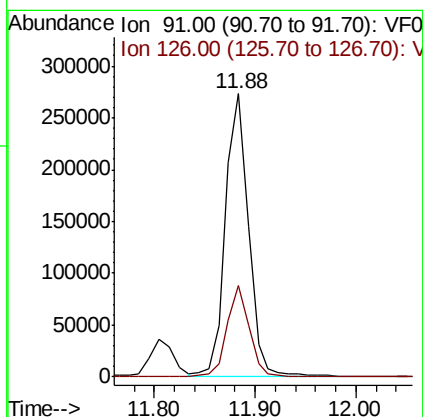
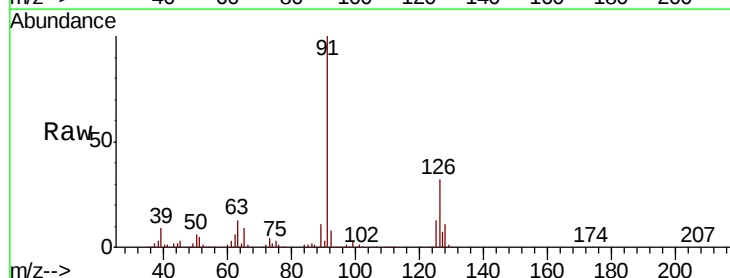
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MSVOA_F
ClientSampleId :
VSTDCCC050

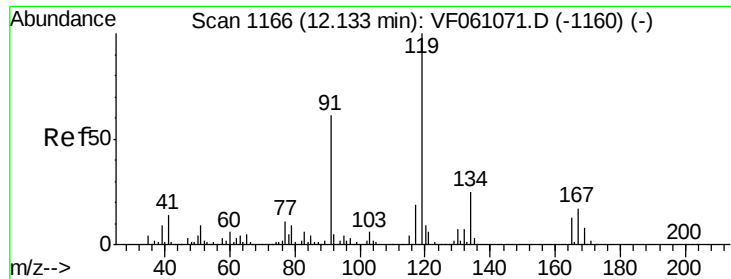
Tgt Ion: 75 Resp: 46210
Ion Ratio Lower Upper
75 100
53 82.4 74.1 111.1
89 54.7 42.6 64.0



#82
4-Chlorotoluene
Concen: 48.112 ug/l
RT: 11.88 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VF061202.D
Acq: 27 Dec 2018 12:05

Tgt Ion: 91 Resp: 431168
Ion Ratio Lower Upper
91 100
126 32.5 16.0 47.9

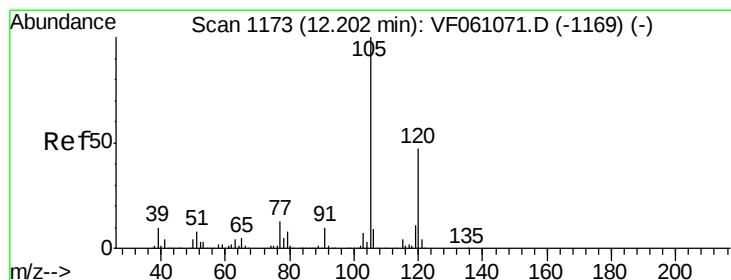
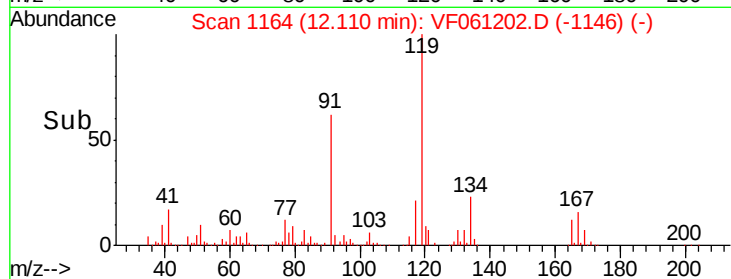
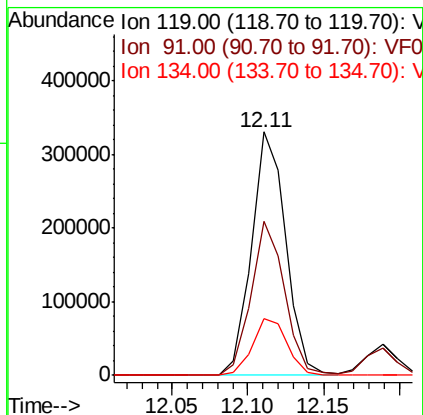
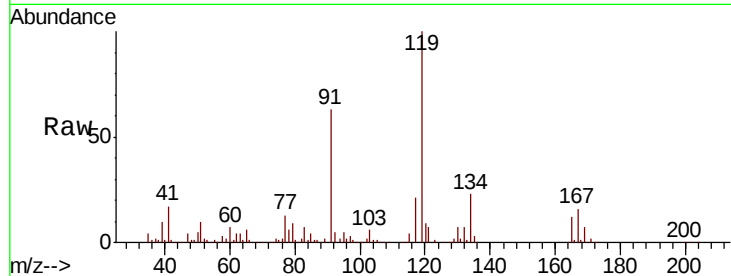




#83
 tert-Butylbenzene
 Concen: 48.907 ug/l
 RT: 12.11 min Scan# 1164
 Delta R.T. -0.02 min
 Lab File: VF061202.D
 Acq: 27 Dec 2018 12:05

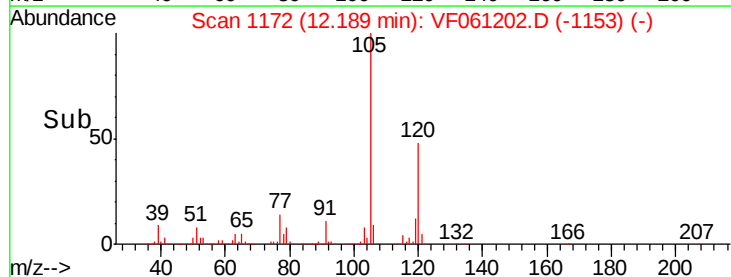
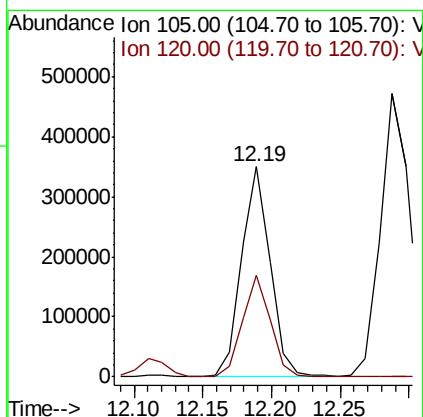
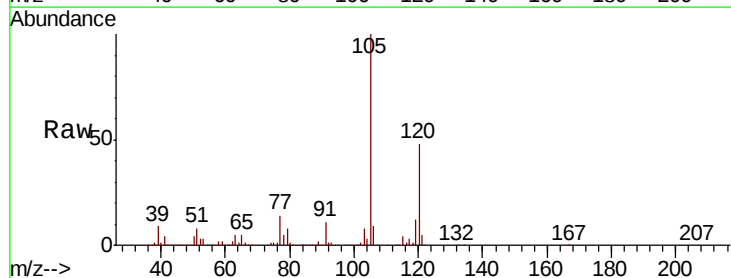
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 523331
 Ion Ratio Lower Upper
 119 100
 91 63.1 30.5 91.5
 134 23.2 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 49.059 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: VF061202.D
 Acq: 27 Dec 2018 12:05

Tgt Ion:105 Resp: 508726
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.6 71.0

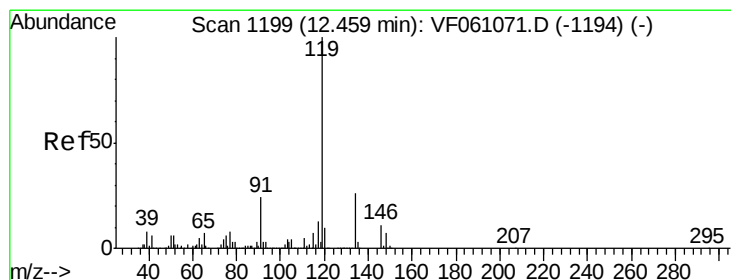
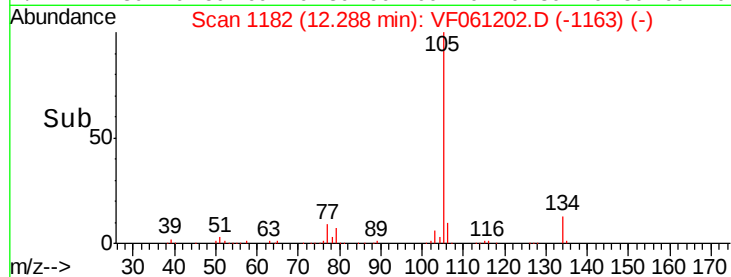
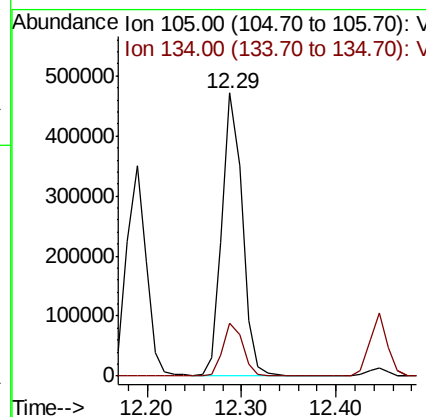
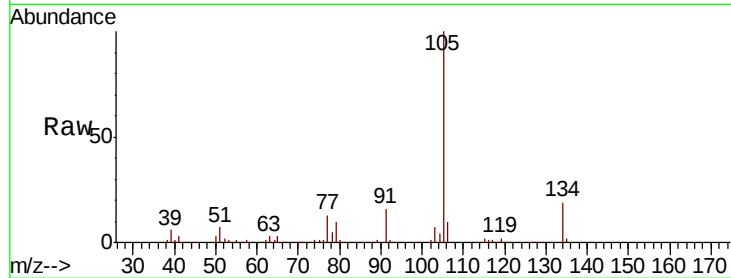




#85
 sec-Butylbenzene
 Concen: 50.467 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: VF061202.D
 Acq: 27 Dec 2018 12:05

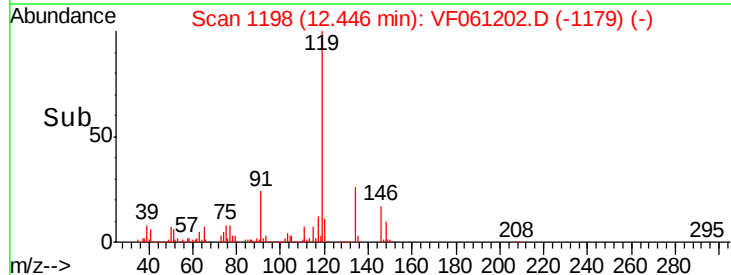
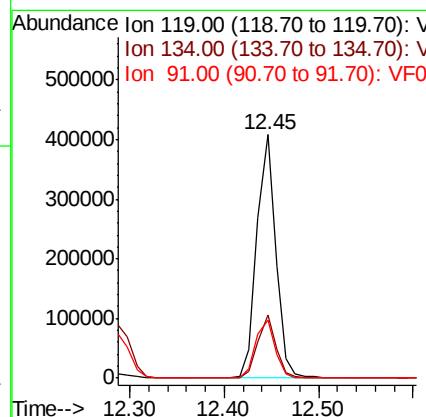
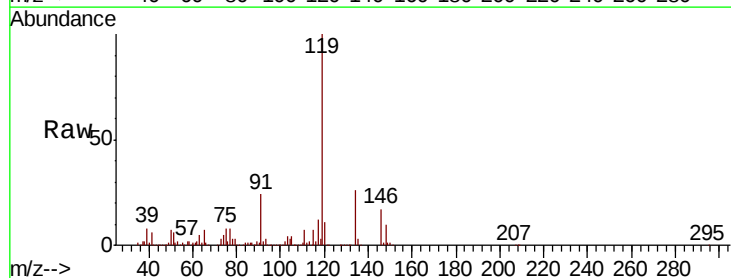
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

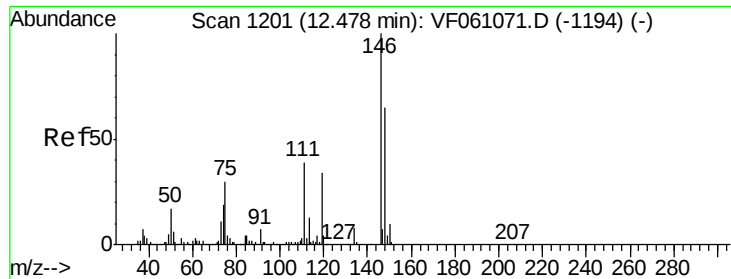
Tgt Ion:105 Resp: 704724
 Ion Ratio Lower Upper
 105 100
 134 18.6 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 49.213 ug/l
 RT: 12.45 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VF061202.D
 Acq: 27 Dec 2018 12:05

Tgt Ion:119 Resp: 570428
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.8 38.4
 91 23.9 12.2 36.6

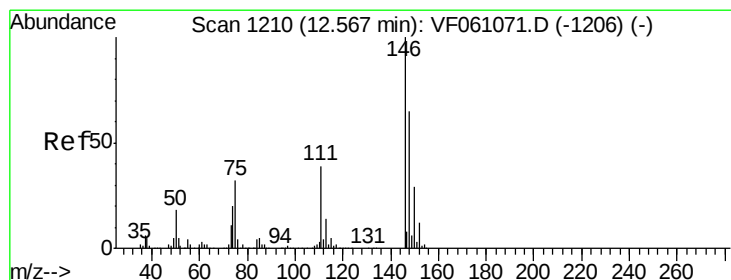
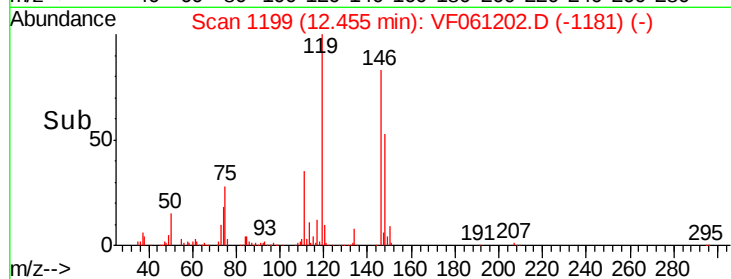
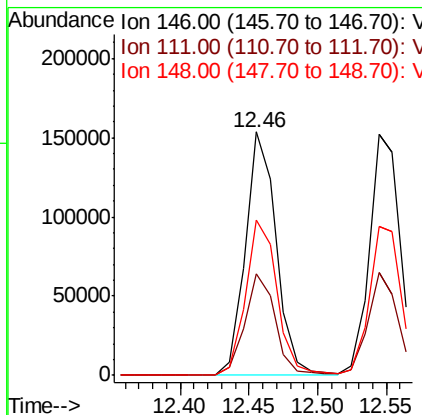
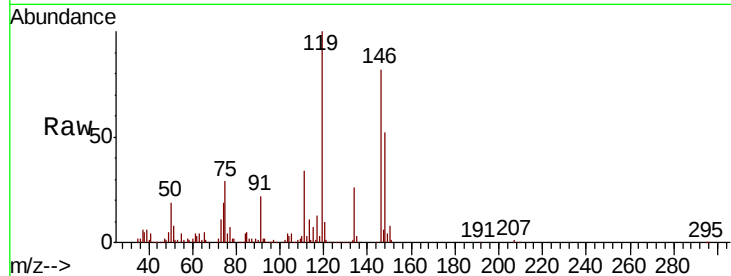




#87
 1,3-Dichlorobenzene
 Concen: 54.968 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: VF061202.D
 Acq: 27 Dec 2018 12:05

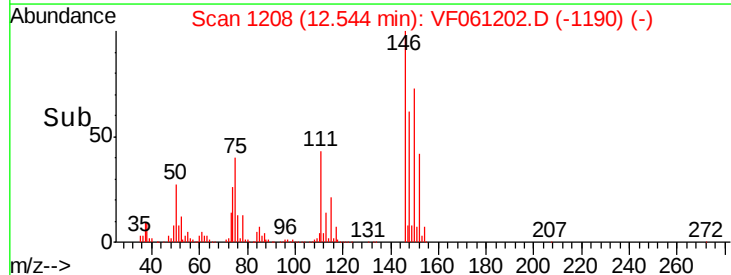
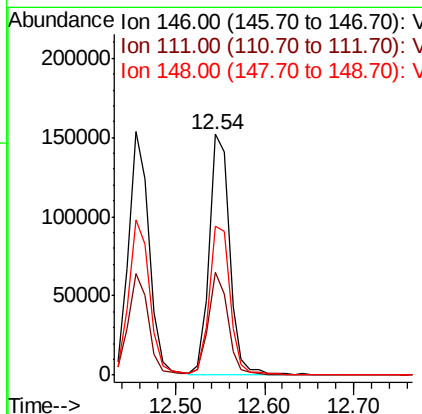
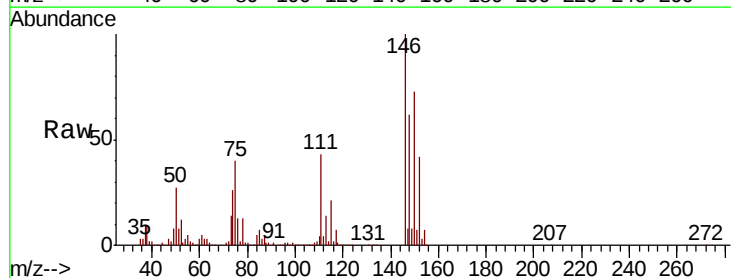
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

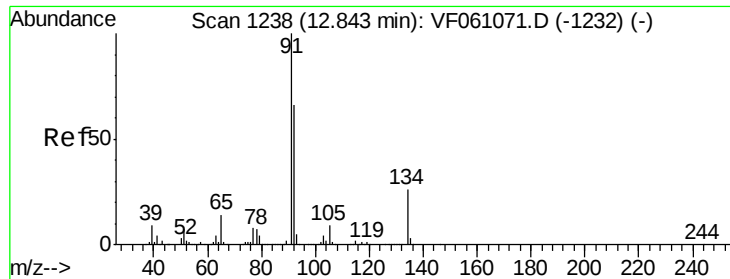
Tgt Ion:146 Resp: 241491
 Ion Ratio Lower Upper
 146 100
 111 41.9 19.3 57.9
 148 63.7 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 48.328 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.02 min
 Lab File: VF061202.D
 Acq: 27 Dec 2018 12:05

Tgt Ion:146 Resp: 241244
 Ion Ratio Lower Upper
 146 100
 111 42.9 19.4 58.4
 148 61.8 32.4 97.0

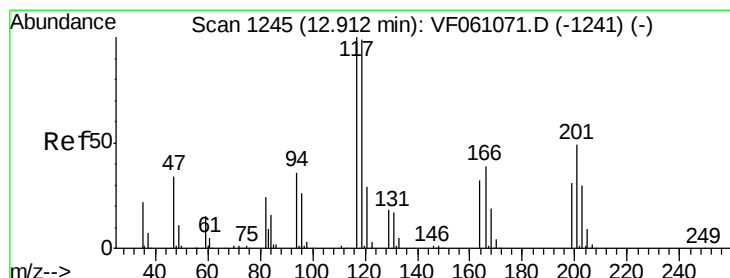
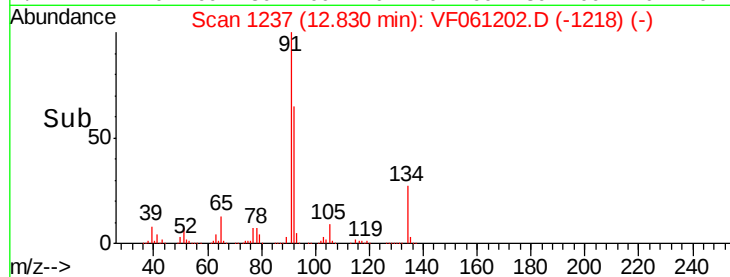
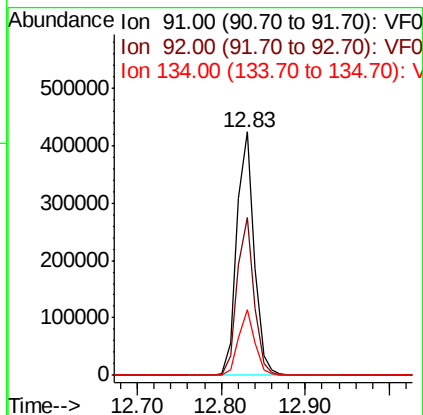
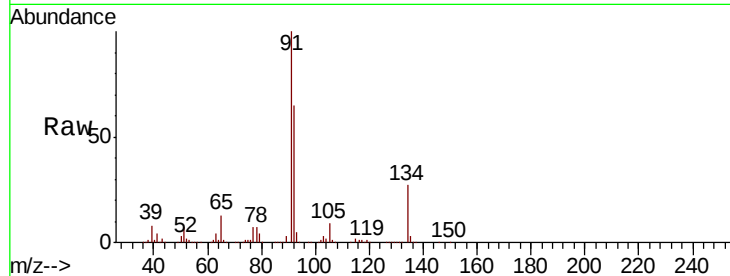




#89
n-Butylbenzene
Concen: 52.630 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF061202.D
Acq: 27 Dec 2018 12:05

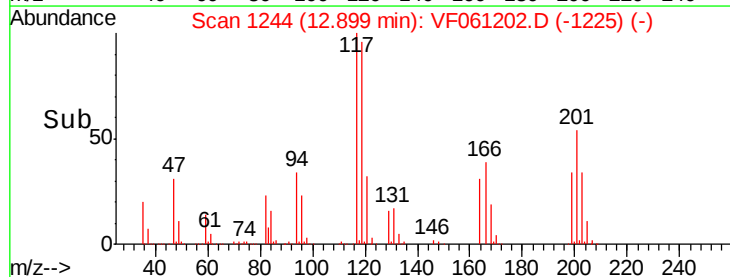
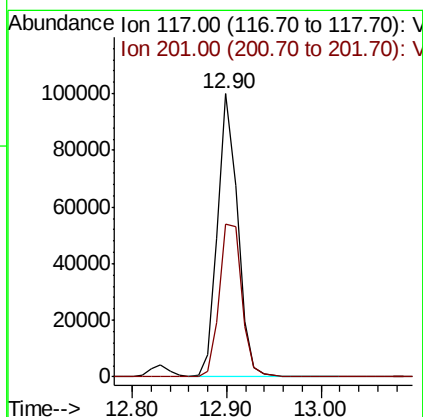
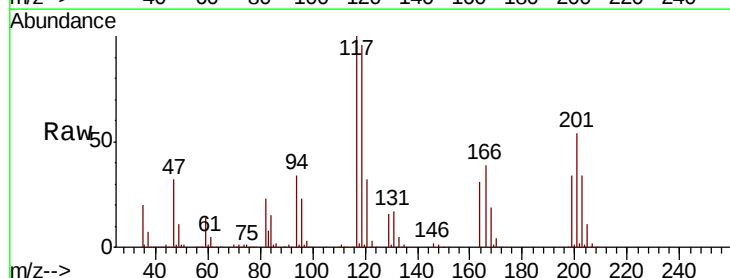
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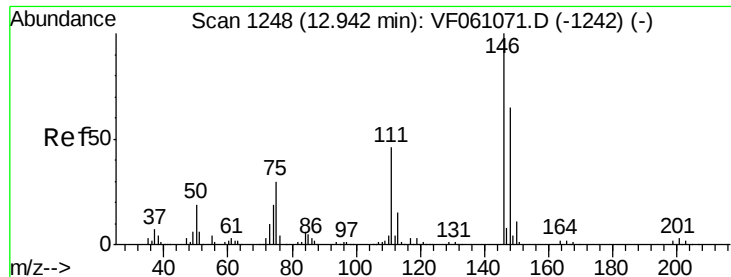
Tgt Ion: 91 Resp: 608539
Ion Ratio Lower Upper
91 100
92 65.1 32.8 98.4
134 26.7 13.2 39.5



#90
Hexachloroethane
Concen: 51.917 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VF061202.D
Acq: 27 Dec 2018 12:05

Tgt Ion: 117 Resp: 148674
Ion Ratio Lower Upper
117 100
201 54.1 24.9 74.8

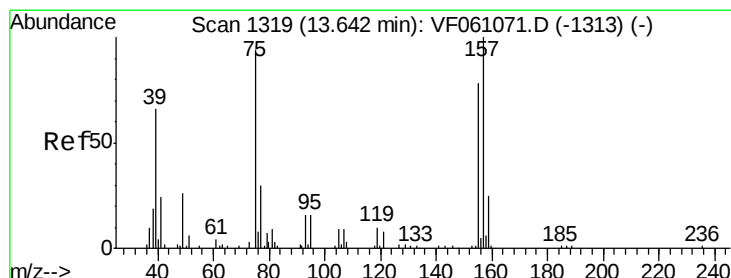
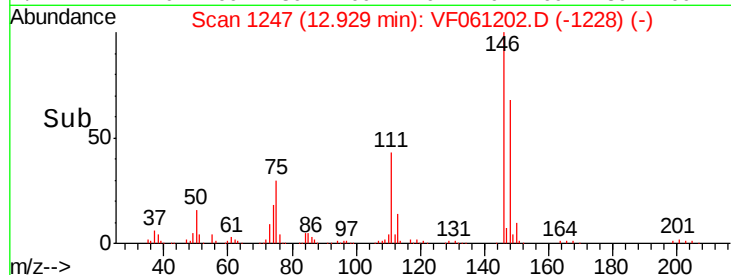
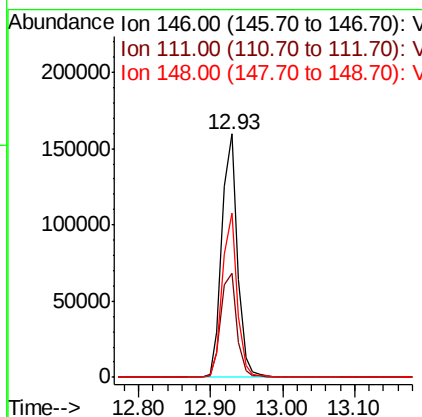
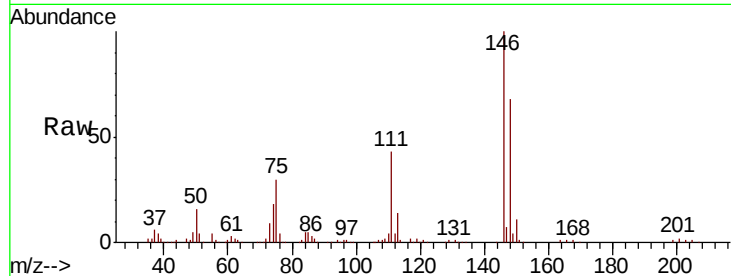




#91
 1,2-Dichlorobenzene
 Concen: 48.890 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: VF061202.D
 Acq: 27 Dec 2018 12:05

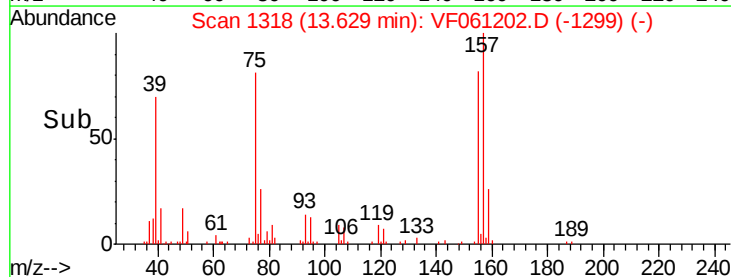
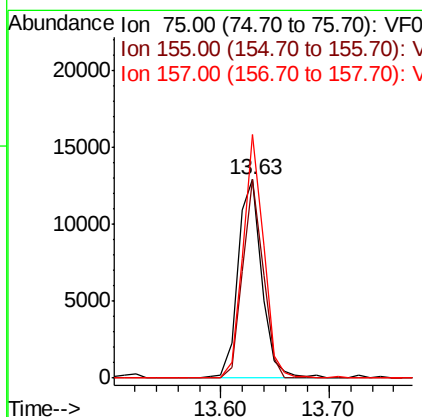
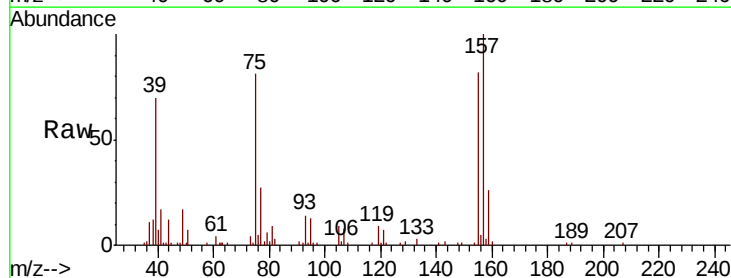
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 237600
 Ion Ratio Lower Upper
 146 100
 111 42.6 23.2 69.5
 148 67.5 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.575 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VF061202.D
 Acq: 27 Dec 2018 12:05

Tgt Ion: 75 Resp: 19836
 Ion Ratio Lower Upper
 75 100
 155 100.2 41.5 124.5
 157 122.8 53.2 159.6

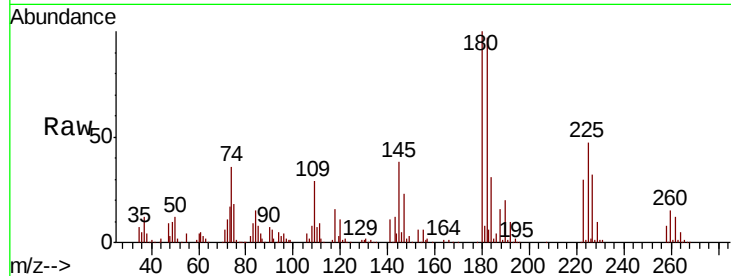




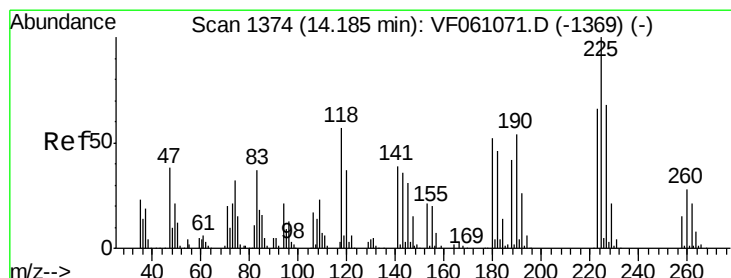
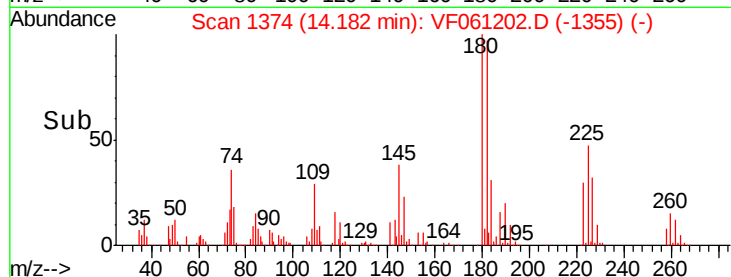
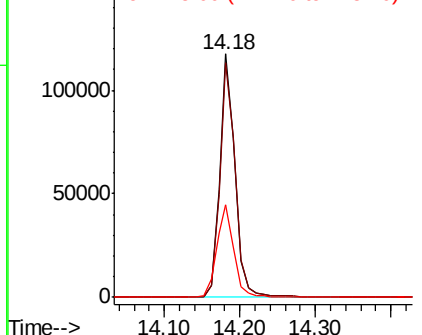
#93
 1,2,4-Trichlorobenzene
 Concen: 48.594 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061202.D
 Acq: 27 Dec 2018 12:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 167485
 Ion Ratio Lower Upper
 180 100
 182 96.6 46.9 140.6
 145 38.3 20.5 61.6

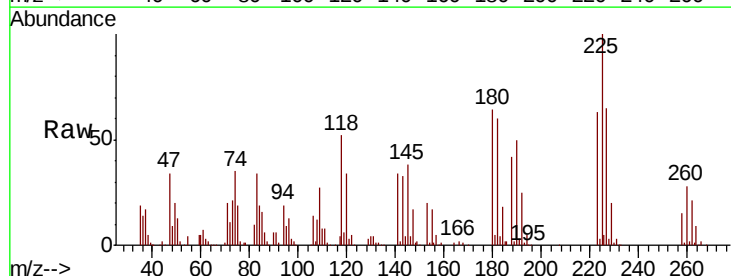


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

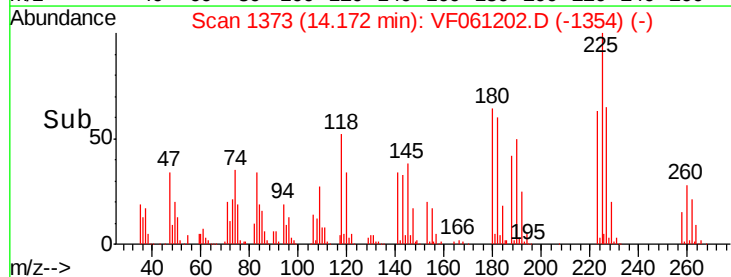
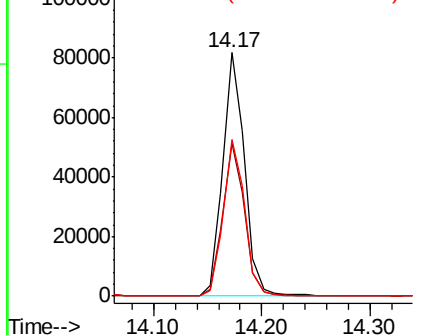


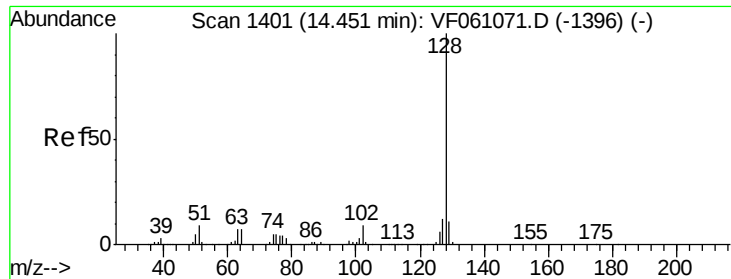
#94
 Hexachlorobutadiene
 Concen: 52.170 ug/l
 RT: 14.17 min Scan# 1373
 Delta R.T. -0.01 min
 Lab File: VF061202.D
 Acq: 27 Dec 2018 12:05

Tgt Ion:225 Resp: 114524
 Ion Ratio Lower Upper
 225 100
 223 62.7 32.8 98.3
 227 64.5 34.0 101.8



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

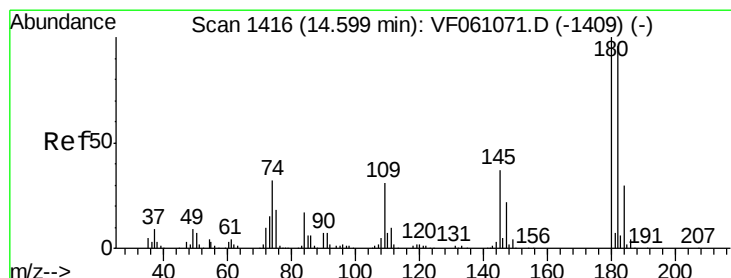
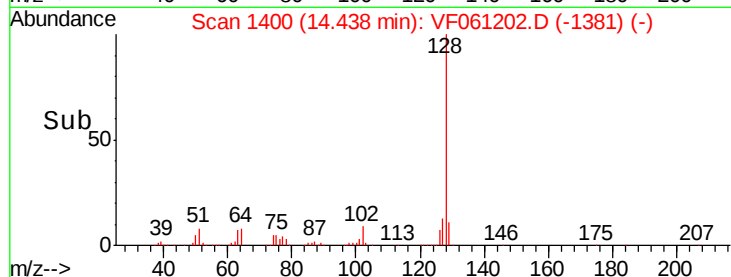
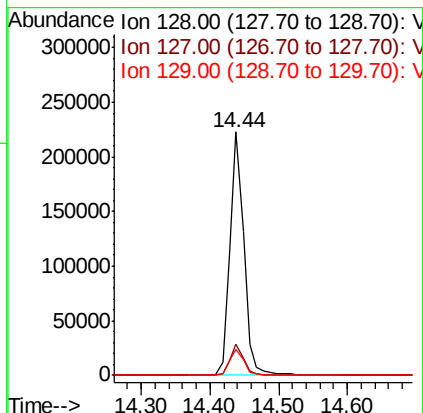
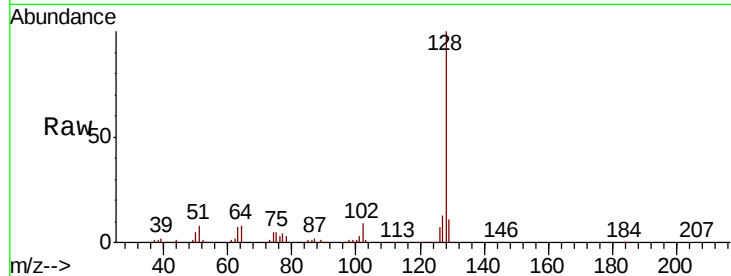




#95
Naphthalene
Concen: 49.718 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.01 min
Lab File: VF061202.D
Acq: 27 Dec 2018 12:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 312910
Ion Ratio Lower Upper
128 100
127 12.8 9.4 14.2
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 50.780 ug/l
RT: 14.59 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VF061202.D
Acq: 27 Dec 2018 12:05

Tgt Ion:180 Resp: 161799
Ion Ratio Lower Upper
180 100
182 93.7 47.9 143.8
145 33.7 18.6 55.8

