

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021219\
 Data File : VF061603.D
 Acq On : 12 Feb 2019 12:14
 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: Feb 13 02:54:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	161296	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.57	114	283253	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	254834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	126081	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	93606	47.00	ug/l	0.00
Spiked Amount			Recovery	=	94.00%	
35) Dibromofluoromethane	4.10	113	108121	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	
50) Toluene-d8	7.54	98	283194	46.24	ug/l	0.00
Spiked Amount			Recovery	=	92.48%	
62) 4-Bromofluorobenzene	11.39	95	126382	44.17	ug/l	0.00
Spiked Amount			Recovery	=	88.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	144041	45.450	ug/l	87
3) Chloromethane	1.11	50	103638	44.598	ug/l	99
4) Vinyl Chloride	1.14	62	103695	50.164	ug/l	95
5) Bromomethane	1.32	94	71725	53.210	ug/l	100
6) Chloroethane	1.38	64	52268	57.064	ug/l	98
7) Trichlorofluoromethane	1.47	101	202243m	50.327	ug/l	
8) Diethyl Ether	1.62	74	27274	52.968	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.84	101	94900	49.147	ug/l	95
10) Methyl Iodide	1.91	142	155411m	51.916	ug/l	
11) Tert butyl alcohol	2.57	59	20942	248.444	ug/l #	89
12) 1,1-Dichloroethene	1.79	96	74952	52.247	ug/l	93
13) Acrolein	1.99	56	19911	273.236	ug/l	89
14) Allyl chloride	2.08	41	115633	71.132	ug/l	88
15) Acrylonitrile	2.93	53	54598	252.867	ug/l	99
16) Acetone	2.23	43	124575	311.828	ug/l	100
17) Carbon Disulfide	1.81	76	214729m	48.005	ug/l	
18) Methyl Acetate	2.34	43	43781	55.260	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	163687	50.899	ug/l	99
20) Methylene Chloride	2.17	84	75449m	55.841	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	82236	52.102	ug/l	97
22) Diisopropyl ether	2.78	45	267892	52.475	ug/l	98
23) Vinyl Acetate	3.17	43	600445	267.179	ug/l	100
24) 1,1-Dichloroethane	2.86	63	161913	50.533	ug/l	99
25) 2-Butanone	4.31	43	168339	253.389	ug/l	99
26) 2,2-Dichloropropane	3.58	77	93656	47.576	ug/l	94
27) cis-1,2-Dichloroethene	3.45	96	111979	48.062	ug/l	92
28) Bromochloromethane	3.70	49	65044	45.161	ug/l #	99
29) Tetrahydrofuran	4.05	42	66737	233.293	ug/l	97
30) Chloroform	3.84	83	218881	50.618	ug/l	97
31) Cyclohexane	3.67	56	140243m	43.818	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	138457	43.669	ug/l	95
36) 1,1-Dichloropropene	4.26	75	159713	48.631	ug/l	98
37) Ethyl Acetate	4.10	43	62264	47.429	ug/l #	73
38) Carbon Tetrachloride	3.97	117	135114	47.059	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	155260	43.623	ug/l	97
40) Benzene	4.61	78	360573	49.340	ug/l	100
41) Methacrylonitrile	4.73	41	32877	47.065	ug/l #	89
42) 1,2-Dichloroethane	4.92	62	135708	52.113	ug/l	96
43) Isopropyl Acetate	6.94	43	72279	43.868	ug/l #	96
44) Trichloroethene	5.49	130	109143	48.686	ug/l	97
45) 1,2-Dichloropropane	6.22	63	92623	48.292	ug/l	96
46) Dibromomethane	6.07	93	61283	48.053	ug/l	99
47) Bromodichloromethane	6.36	83	167184	52.983	ug/l	100
48) Methyl methacrylate	6.69	41	50209	45.380	ug/l	97
49) 1,4-Dioxane	6.69	88	7745	1003.045	ug/l #	84
51) 4-Methyl-2-Pentanone	8.24	43	285550	235.742	ug/l	99
52) Toluene	7.61	92	224469	46.643	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	126972	50.676	ug/l	97
54) cis-1,3-Dichloropropene	7.28	75	160398	51.214	ug/l	97
55) 1,1,2-Trichloroethane	8.47	97	68232	49.928	ug/l	97
56) Ethyl methacrylate	8.60	69	71226	44.798	ug/l	90
57) 1,3-Dichloropropane	8.83	76	121810	47.554	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.27	63	47379	280.412	ug/l	98
59) 2-Hexanone	9.47	43	216994	256.904	ug/l	95
60) Dibromochloromethane	8.69	129	99874	49.989	ug/l	95
61) 1,2-Dibromoethane	8.97	107	73742	47.135	ug/l	87
64) Tetrachloroethene	8.13	164	89481	46.693	ug/l	99
65) Chlorobenzene	9.78	112	262166	50.590	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.92	131	106337	51.509	ug/l	96
67) Ethyl Benzene	9.88	91	465647	49.180	ug/l	98
68) m/p-Xylenes	10.11	106	322907	94.822	ug/l	100
69) o-Xylene	10.69	106	179623	48.667	ug/l	98
70) Styrene	10.77	104	227475	45.025	ug/l	98
71) Bromoform	10.75	173	46943	50.609	ug/l #	99
73) Isopropylbenzene	11.11	105	536009	52.271	ug/l	98
74) N-amyl acetate	11.36	43	124338	51.278	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.68	83	91230	49.940	ug/l	99
76) 1,2,3-Trichloropropane	11.78	75	64915	49.454	ug/l	96
77) Bromobenzene	11.48	156	109043	50.351	ug/l	97
78) n-propylbenzene	11.58	91	598581	47.650	ug/l	99
79) 2-Chlorotoluene	11.70	91	370137	52.023	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	430869	52.066	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.86	75	29849m	52.310	ug/l	
82) 4-Chlorotoluene	11.89	91	352399	49.083	ug/l	99
83) tert-Butylbenzene	12.11	119	459129	53.603	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	415326	48.723	ug/l	97
85) sec-Butylbenzene	12.29	105	591106	50.818	ug/l	97
86) p-Isopropyltoluene	12.45	119	495263	51.868	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	208704	48.300	ug/l	97
88) 1,4-Dichlorobenzene	12.55	146	209588	51.215	ug/l	98
89) n-Butylbenzene	12.83	91	512276	52.021	ug/l	99
90) Hexachloroethane	12.90	117	126705	56.293	ug/l	96
91) 1,2-Dichlorobenzene	12.93	146	200984	49.611	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	18188	56.133	ug/l	90

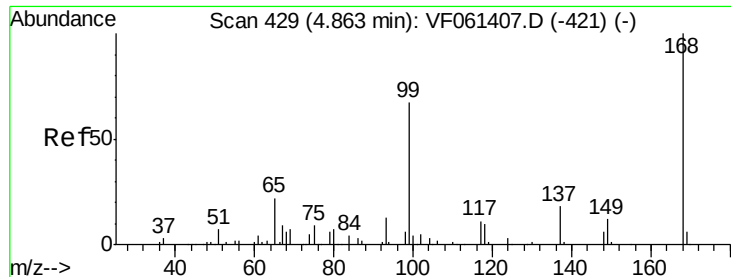
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF021219\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	143592	50.597	ug/l	99
94) Hexachlorobutadiene	14.18	225	92966	52.791	ug/l	99
95) Naphthalene	14.44	128	272049	50.455	ug/l	97
96) 1,2,3-Trichlorobenzene	14.59	180	135868	51.718	ug/l	99

(#) = 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. -0.02 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

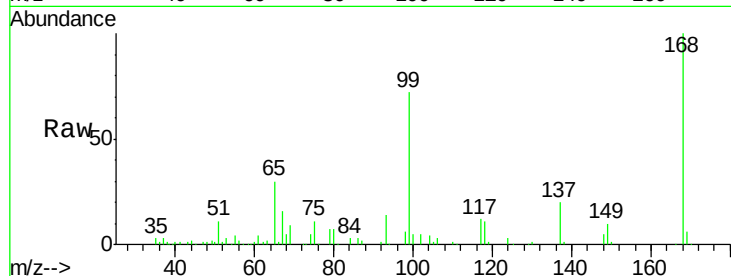
VSTDCCC050

Tot Ion:168 Resp: 161296

Ion Ratio Lower Upper

168 100

99 72.2 53.5 80.3

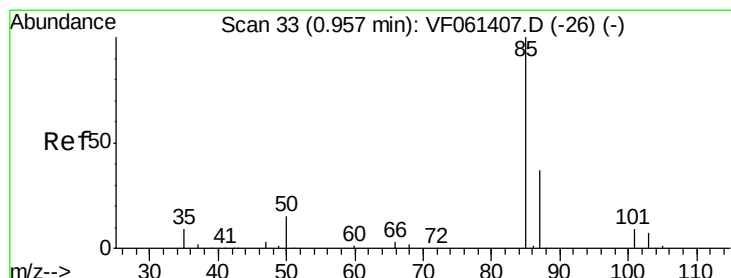
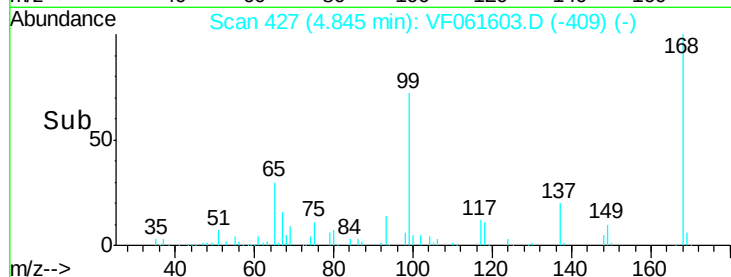


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

Time-->



#2

Dichlorodifluoromethane

Concen: 45.450 ug/l

RT: 0.96 min Scan# 33

Delta R.T. 0.00 min

Lab File: VF061603.D

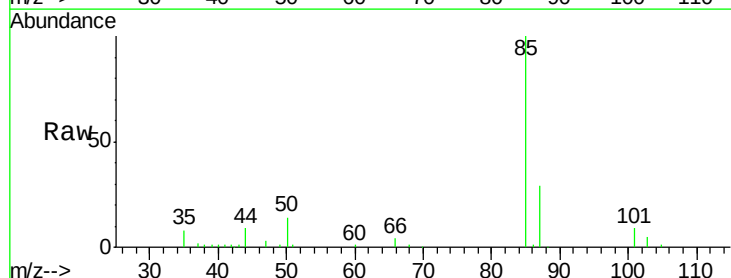
Acq: 12 Feb 2019 12:14

Tgt Ion: 85 Resp: 144041

Ion Ratio Lower Upper

85 100

87 29.1 18.4 55.0

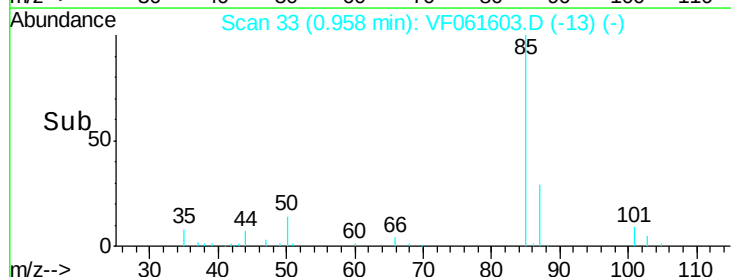


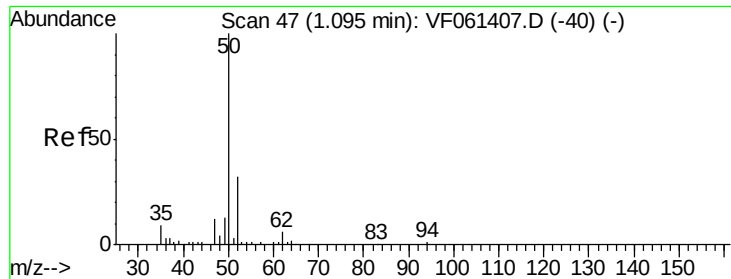
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

Time-->





#3

Chloromethane

Concen: 44.598 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

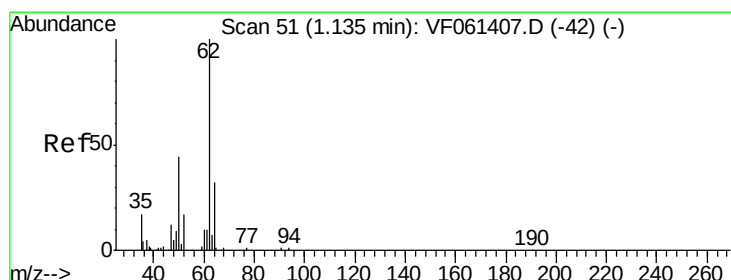
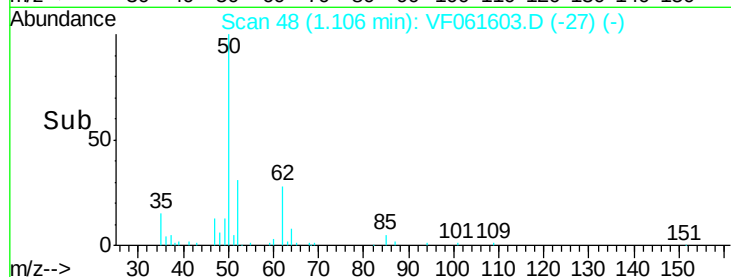
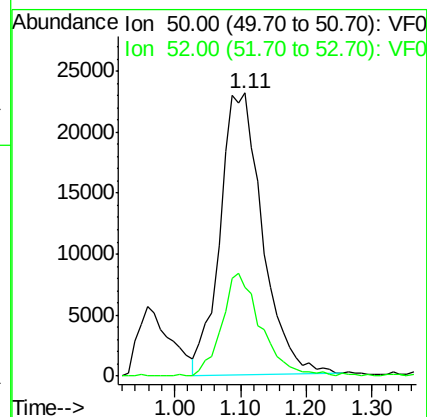
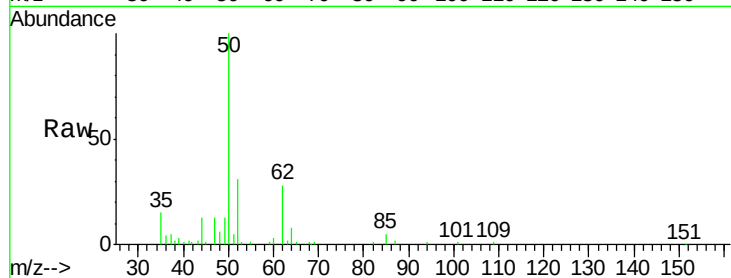
VSTDCCC050

Tot Ion: 50 Resp: 103638

Ion Ratio Lower Upper

50 100

52 31.2 24.6 36.8



#4

Vinyl Chloride

Concen: 50.164 ug/l

RT: 1.14 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF061603.D

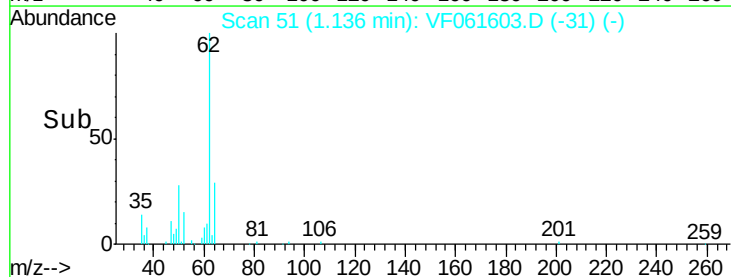
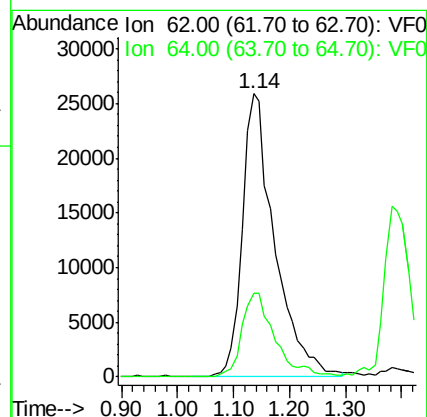
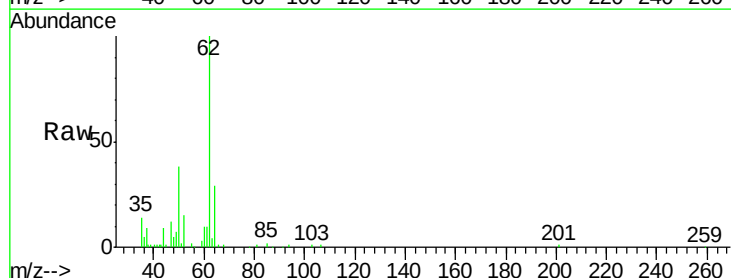
Acq: 12 Feb 2019 12:14

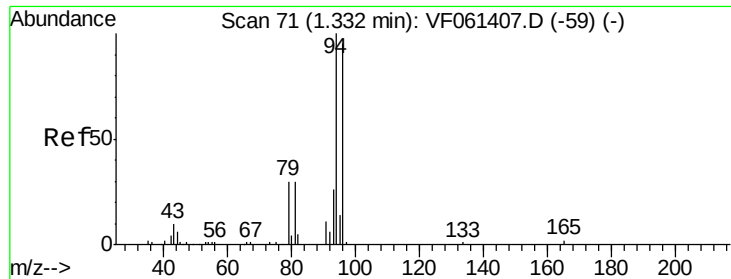
Tgt Ion: 62 Resp: 103695

Ion Ratio Lower Upper

62 100

64 29.5 25.6 38.4





#5

Bromomethane

Concen: 53.210 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

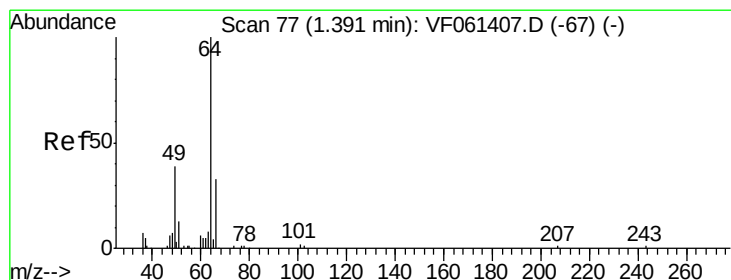
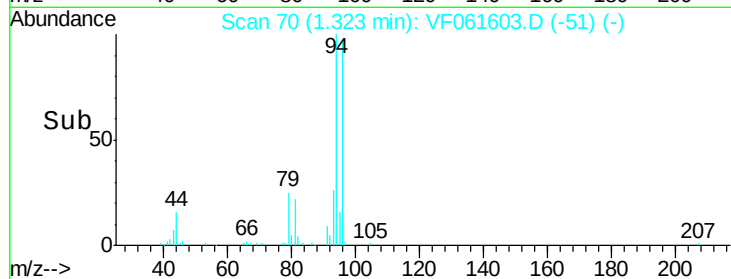
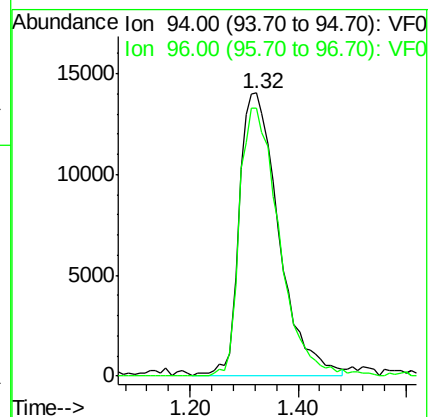
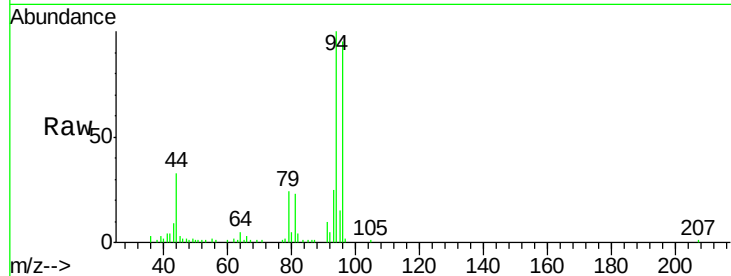
VSTDCCC050

Tot Ion: 94 Resp: 71725

Ion Ratio Lower Upper

94 100

96 94.9 76.0 114.0



#6

Chloroethane

Concen: 57.064 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061603.D

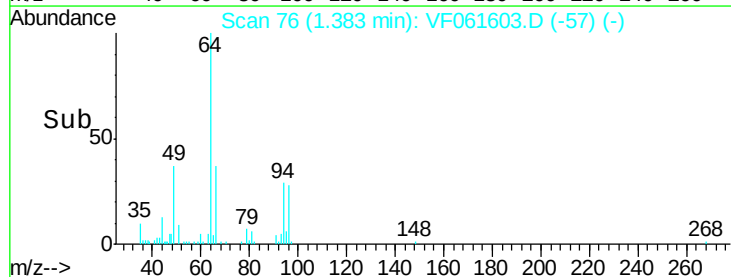
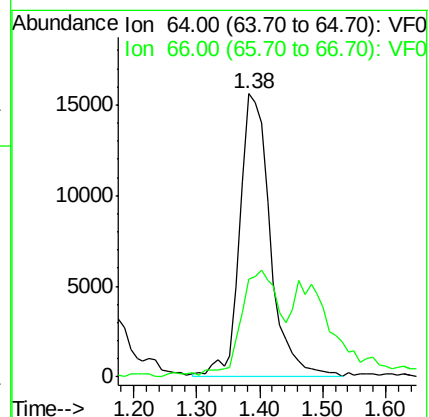
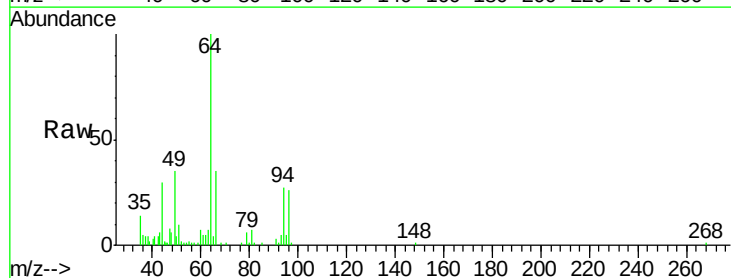
Acq: 12 Feb 2019 12:14

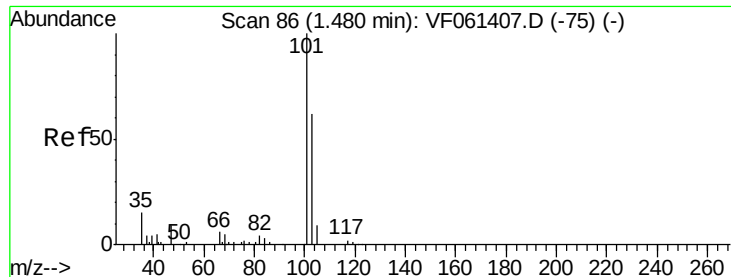
Tgt Ion: 64 Resp: 52268

Ion Ratio Lower Upper

64 100

66 34.6 26.6 40.0



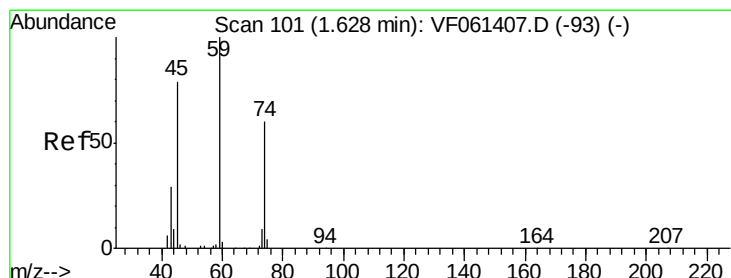
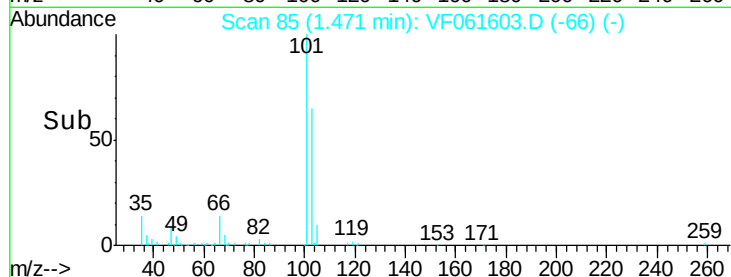
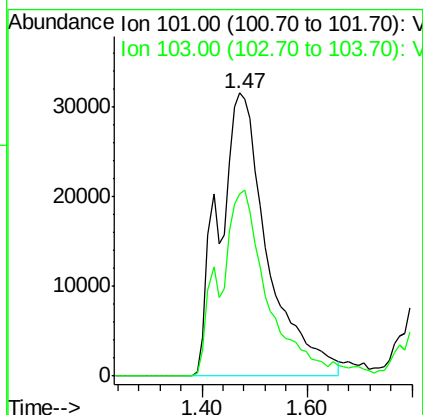
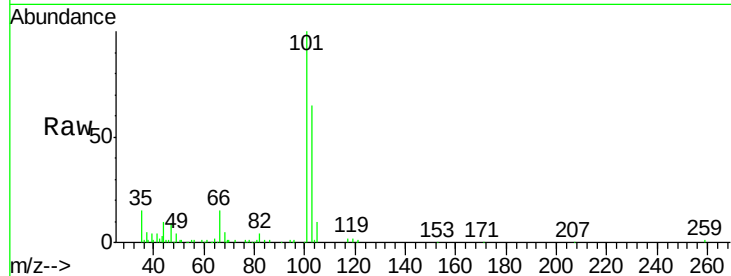


#7

Trichlorofluoromethane
 Concen: 50.327 ug/l m
 RT: 1.47 min Scan# 85
 Delta R.T. -0.01 min
 Lab File: VF061603.D
 Acq: 12 Feb 2019 12:14

Instrument :
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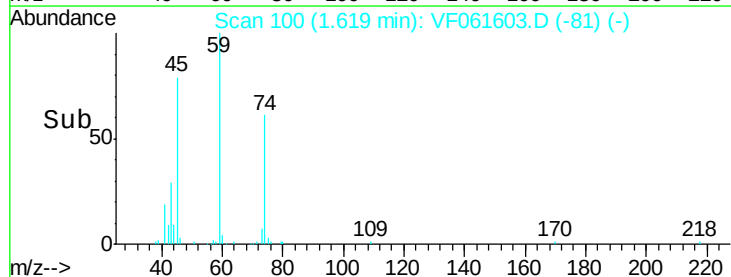
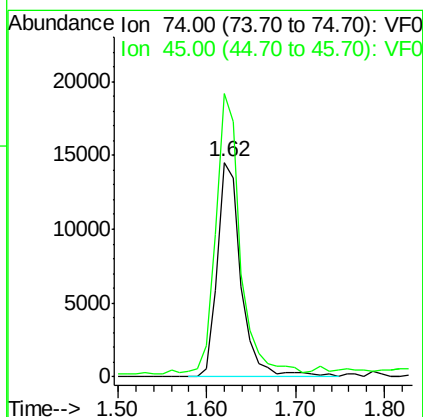
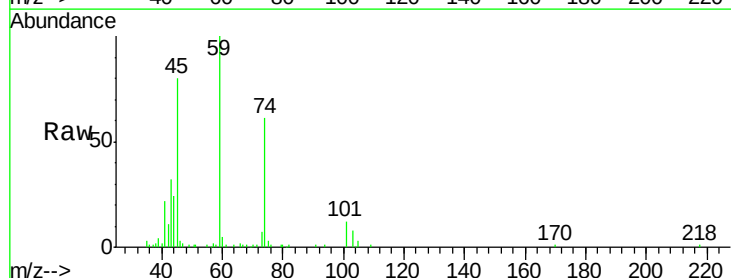
Tot Ion:101 Resp: 202243
 Ion Ratio Lower Upper
 101 100
 103 64.5 49.7 74.5

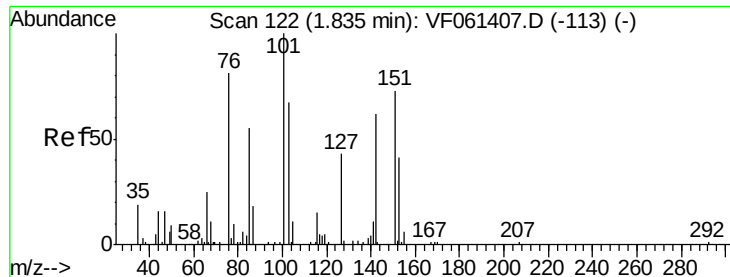


#8

Diethyl Ether
 Concen: 52.968 ug/l
 RT: 1.62 min Scan# 100
 Delta R.T. -0.01 min
 Lab File: VF061603.D
 Acq: 12 Feb 2019 12:14

Tgt Ion: 74 Resp: 27274
 Ion Ratio Lower Upper
 74 100
 45 132.0 65.8 197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.147 ug/l

RT: 1.84 min Scan# 122

Delta R.T. 0.00 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

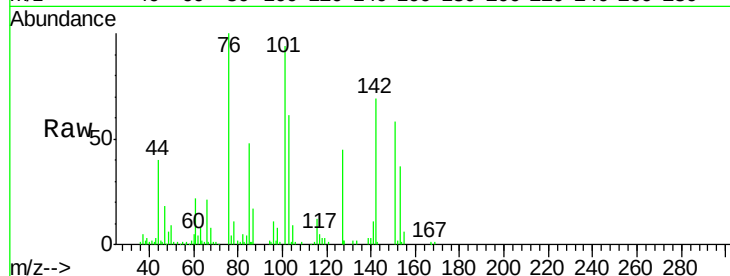
Tot Ion:101 Resp: 94900

Ion Ratio Lower Upper

101 100

85 51.4 41.9 62.9

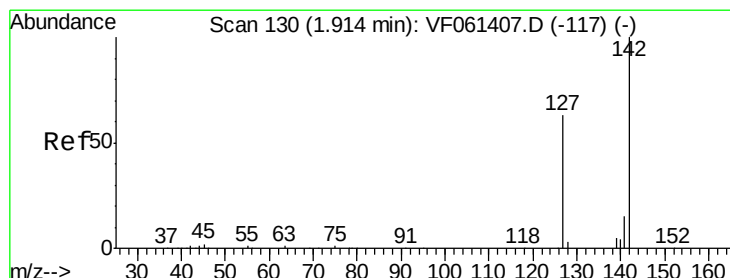
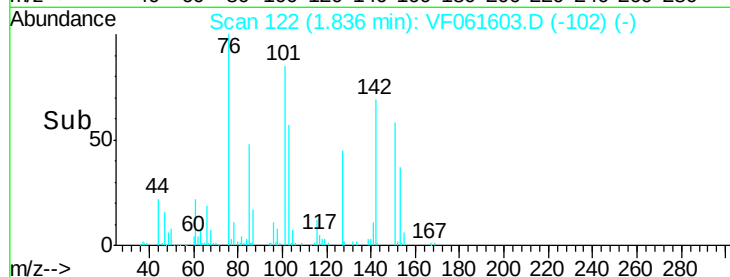
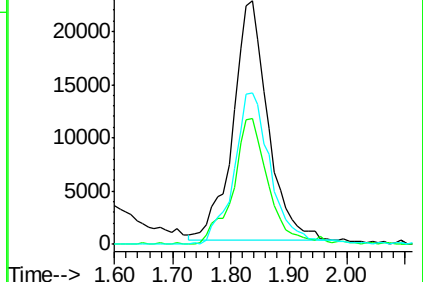
151 62.0 55.1 82.7



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: 51.916 ug/l m

RT: 1.91 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

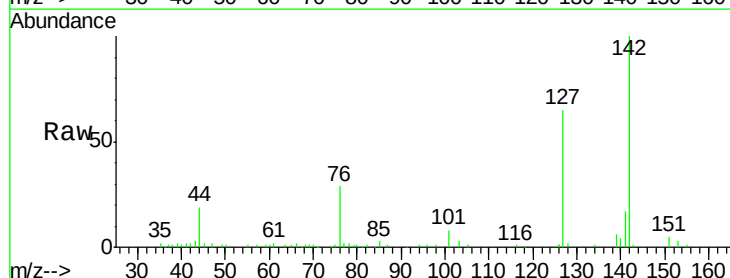
Tgt Ion:142 Resp: 155411

Ion Ratio Lower Upper

142 100

127 64.9 50.7 76.1

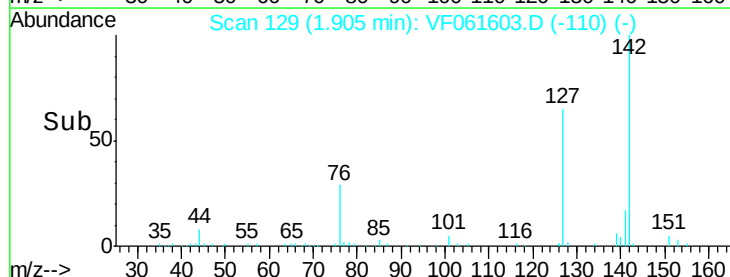
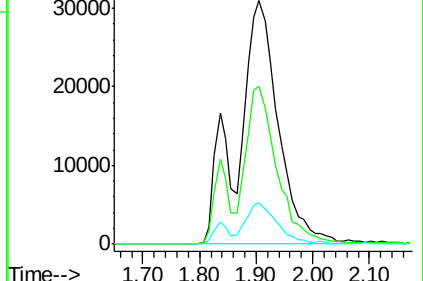
141 16.8 11.8 17.6

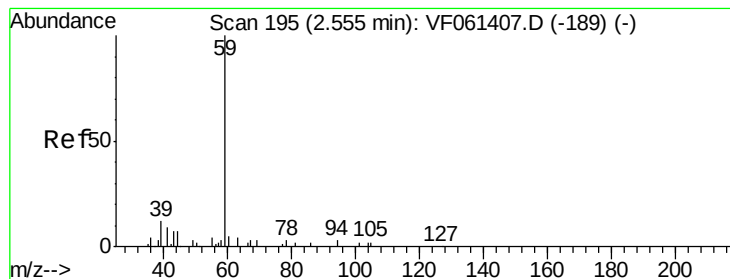


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



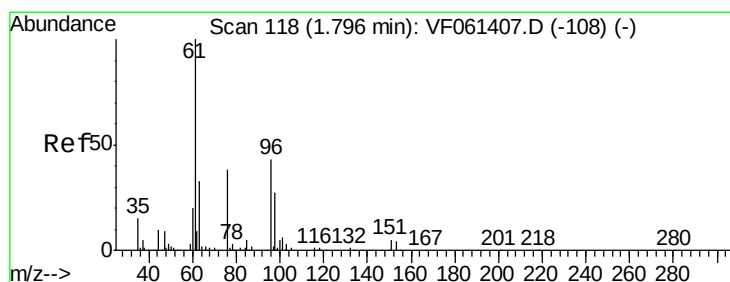
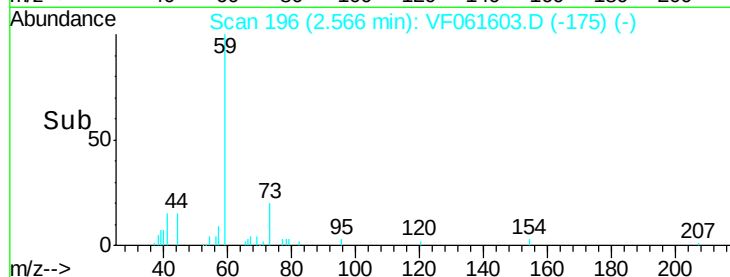
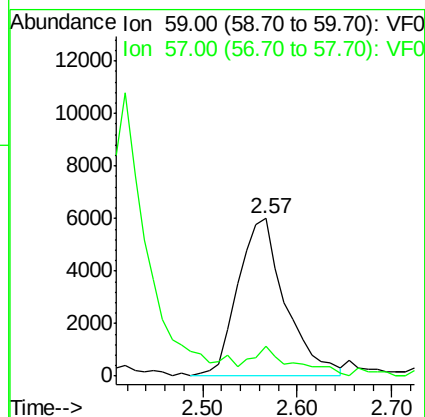
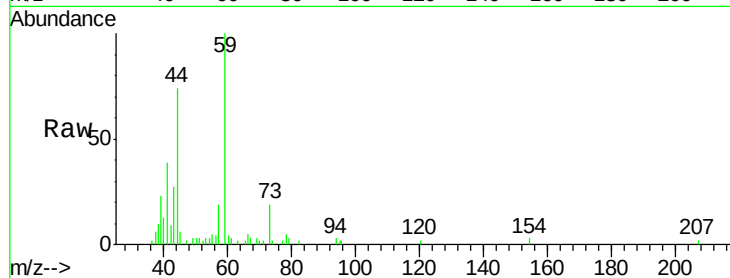


#11

Tert butyl alcohol
Concen: 248.444 ug/l
RT: 2.57 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF061603.D
Acq: 12 Feb 2019 12:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

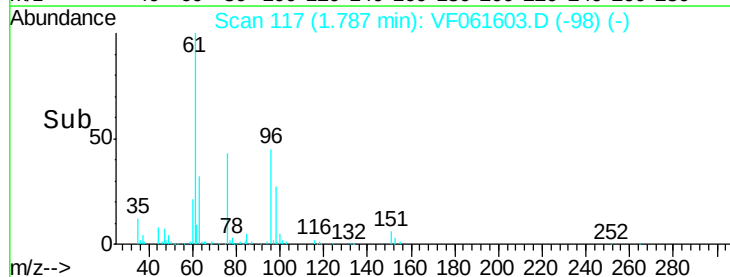
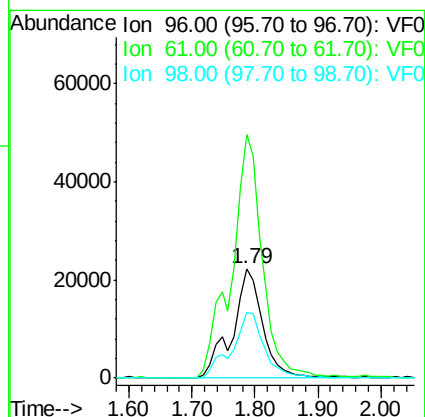
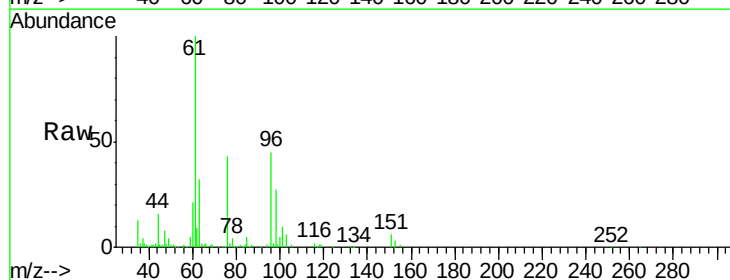
Tot Ion: 59 Resp: 20942
Ion Ratio Lower Upper
59 100
57 19.3 11.9 17.9#

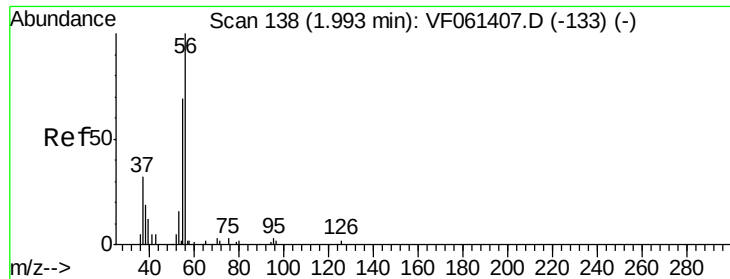


#12

1,1-Dichloroethene
Concen: 52.247 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061603.D
Acq: 12 Feb 2019 12:14

Tgt Ion: 96 Resp: 74952
Ion Ratio Lower Upper
96 100
61 222.2 186.9 280.3
98 59.7 53.0 79.4

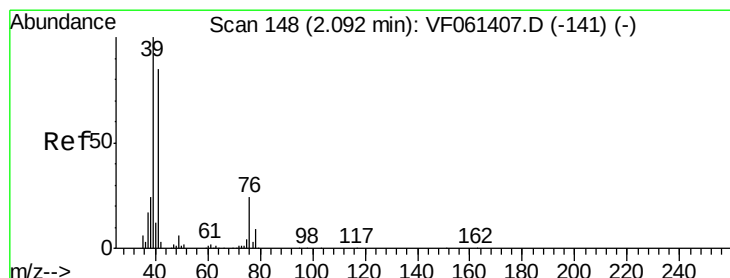
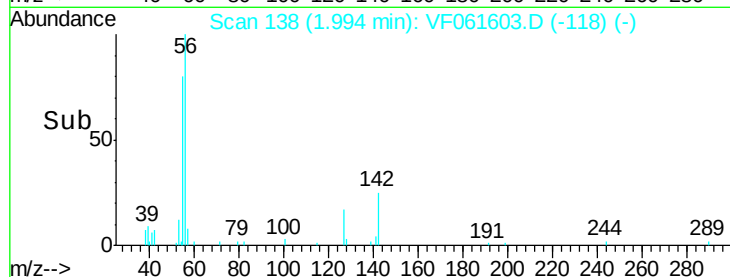
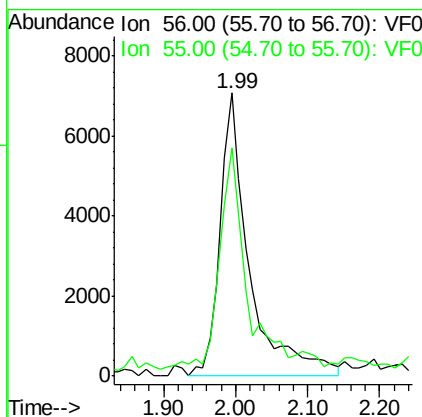
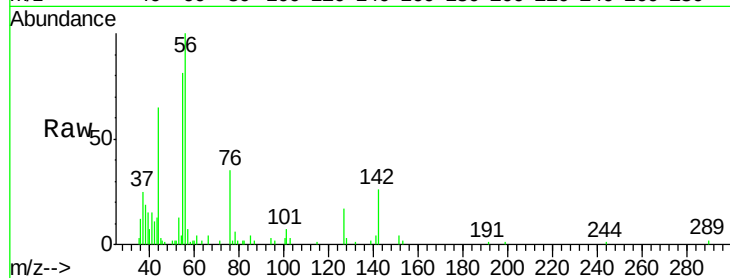




#13
Acrolein
Concen: 273.236 ug/l
RT: 1.99 min Scan# 138
Delta R.T. 0.00 min
Lab File: VF061603.D
Acq: 12 Feb 2019 12:14

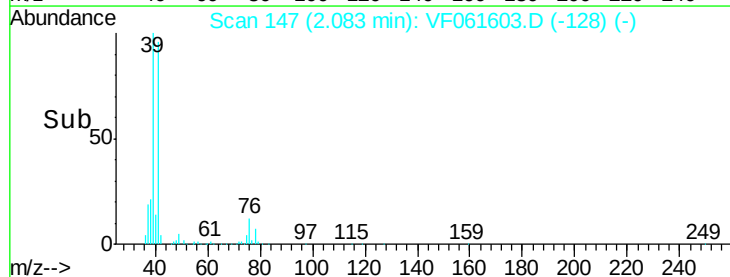
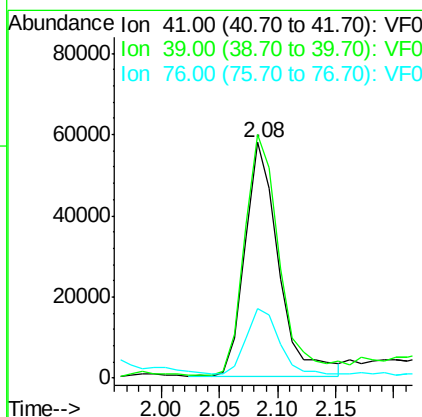
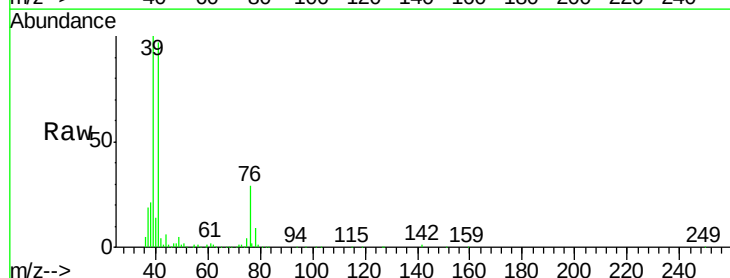
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

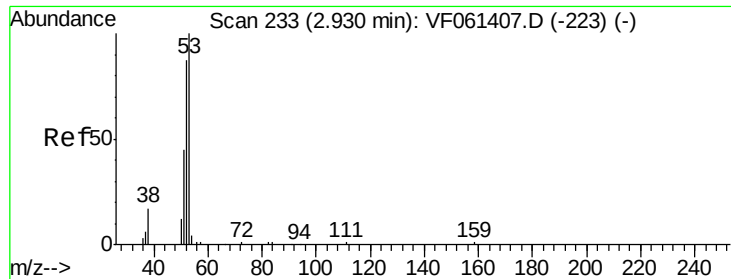
Tot Ion: 56 Resp: 19911
Ion Ratio Lower Upper
56 100
55 80.7 57.5 86.3



#14
Allyl chloride
Concen: 71.132 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.01 min
Lab File: VF061603.D
Acq: 12 Feb 2019 12:14

Tgt Ion: 41 Resp: 115633
Ion Ratio Lower Upper
41 100
39 103.5 94.6 141.8
76 29.5 25.9 38.9





#15

Acrylonitrile

Concen: 252.867 ug/l

RT: 2.93 min Scan# 233

Delta R.T. 0.00 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

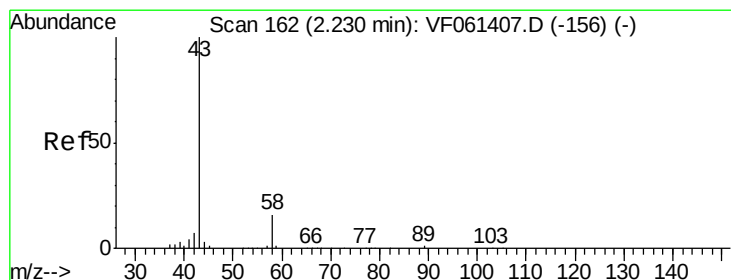
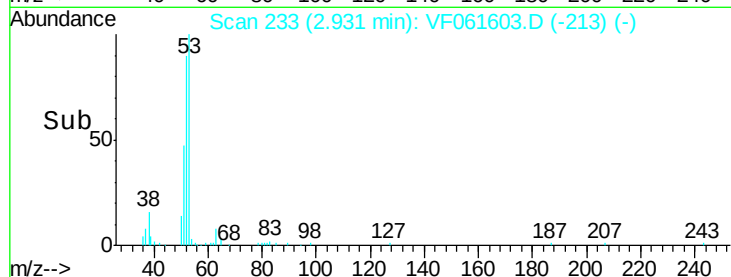
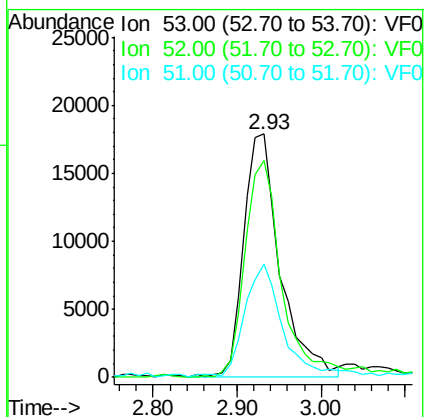
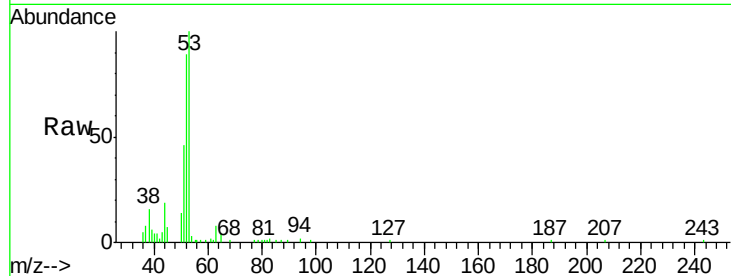
Tot Ion: 53 Resp: 54598

Ion Ratio Lower Upper

53 100

52 88.9 69.6 104.4

51 46.3 36.8 55.2



#16

Acetone

Concen: 311.828 ug/l

RT: 2.23 min Scan# 162

Delta R.T. 0.00 min

Lab File: VF061603.D

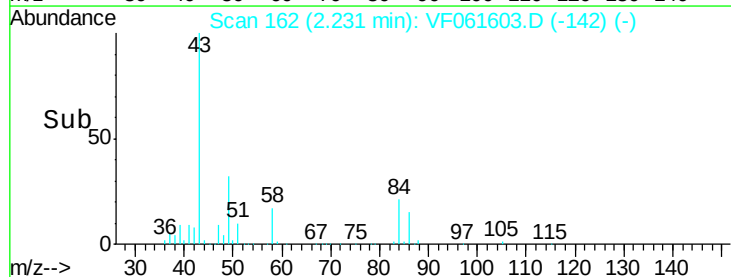
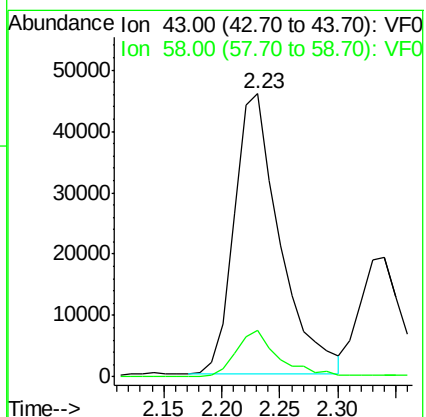
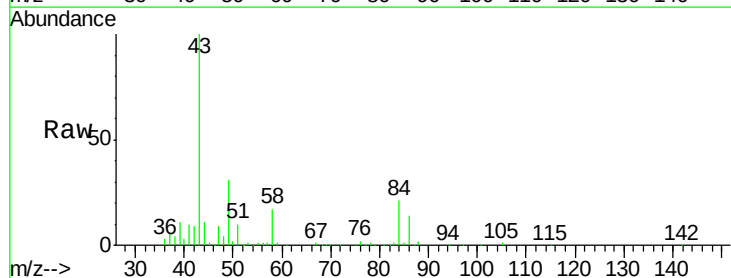
Acq: 12 Feb 2019 12:14

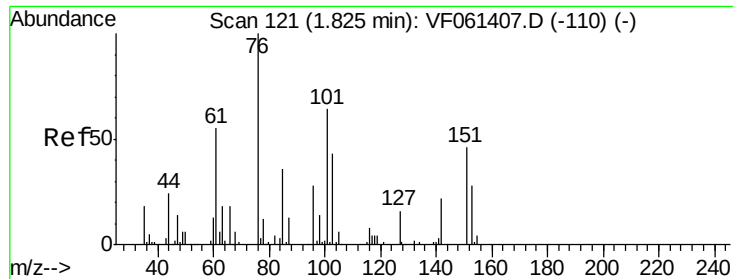
Tgt Ion: 43 Resp: 124575

Ion Ratio Lower Upper

43 100

58 16.5 13.3 19.9

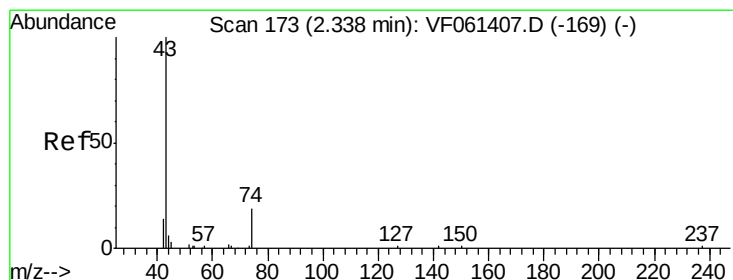
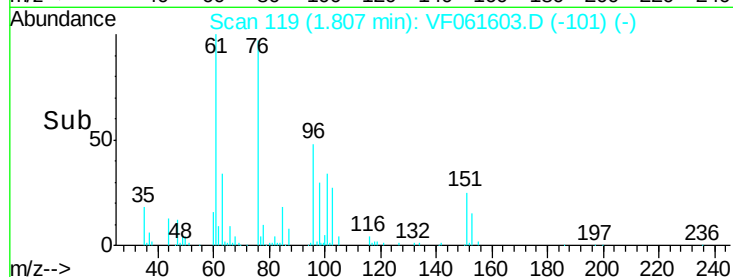
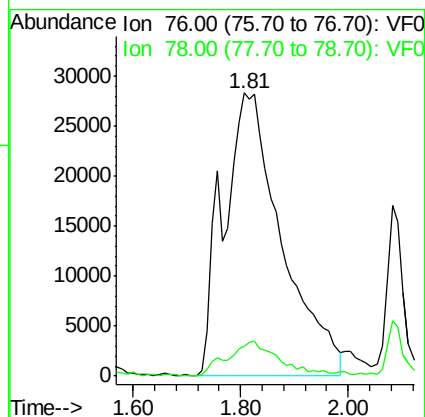
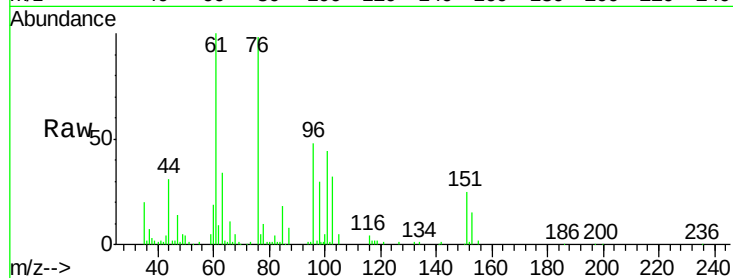




#17
Carbon Disulfide
Concen: 48.005 ug/l m
RT: 1.81 min Scan# 119
Delta R.T. -0.02 min
Lab File: VF061603.D
Acq: 12 Feb 2019 12:14

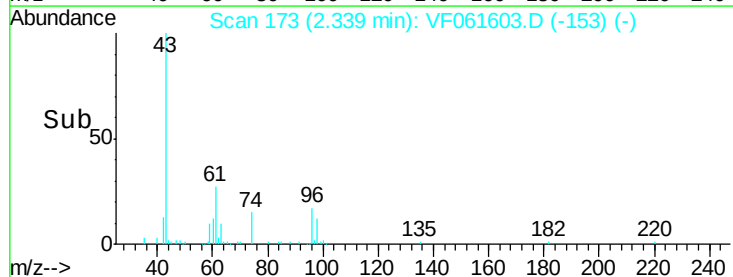
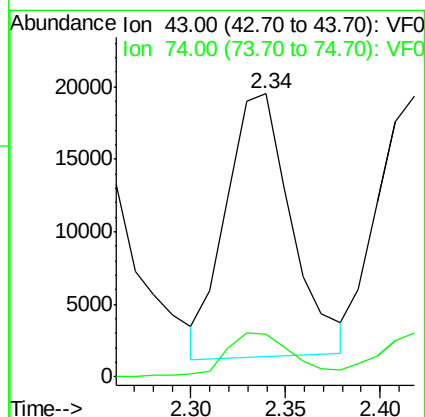
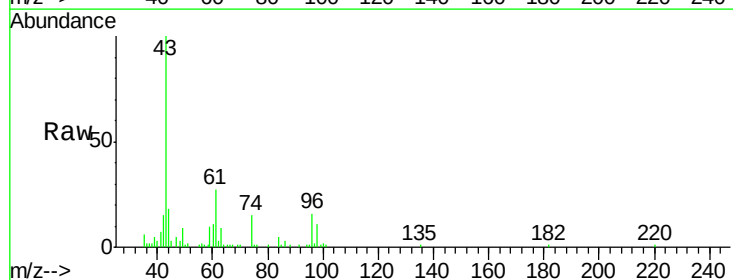
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

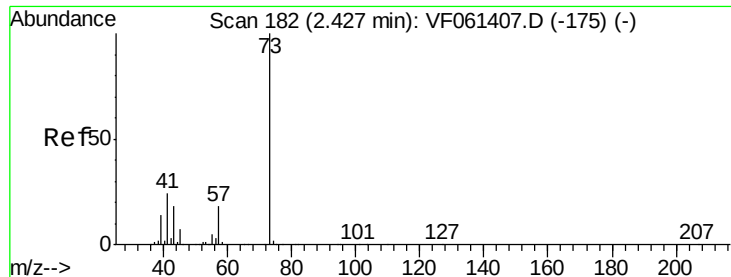
Tot Ion: 76 Resp: 214729
Ion Ratio Lower Upper
76 100
78 10.4 9.6 14.4



#18
Methyl Acetate
Concen: 55.260 ug/l
RT: 2.34 min Scan# 173
Delta R.T. 0.00 min
Lab File: VF061603.D
Acq: 12 Feb 2019 12:14

Tgt Ion: 43 Resp: 43781
Ion Ratio Lower Upper
43 100
74 14.9 13.4 20.0



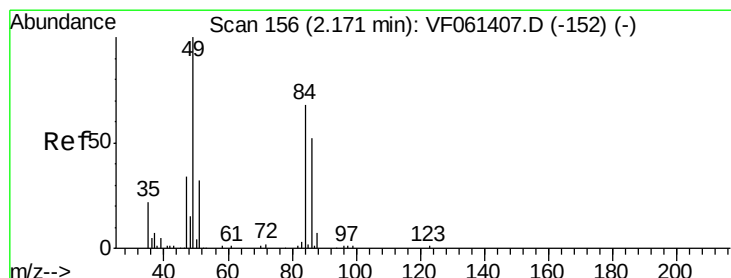
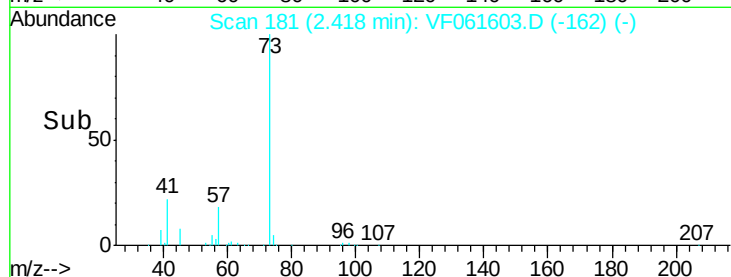
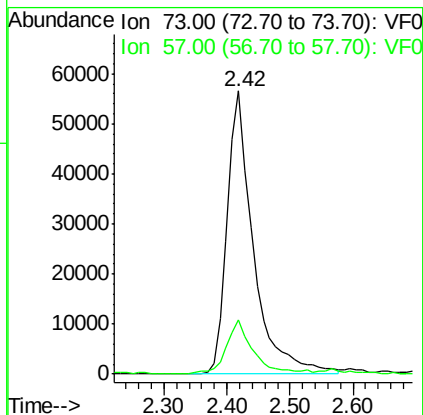
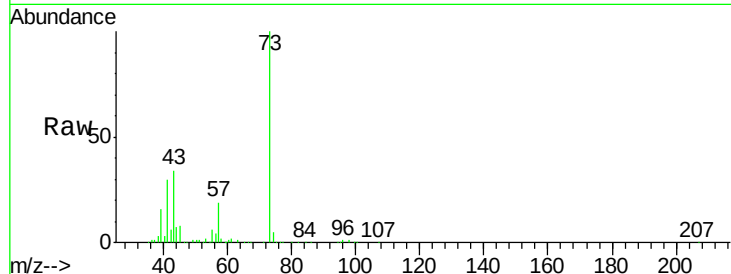


#19

Methyl tert-butyl Ether
 Concen: 50.899 ug/l
 RT: 2.42 min Scan# 181
 Delta R.T. -0.01 min
 Lab File: VF061603.D
 Acq: 12 Feb 2019 12:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

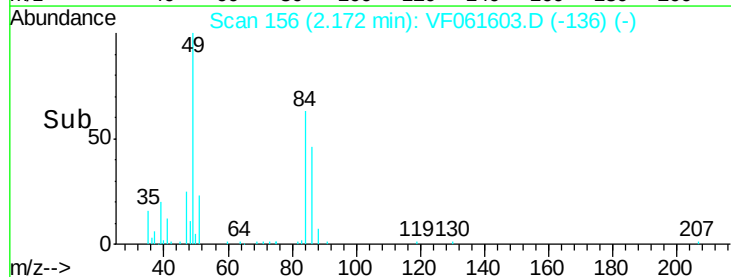
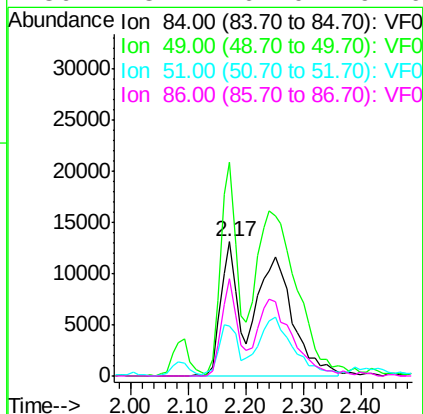
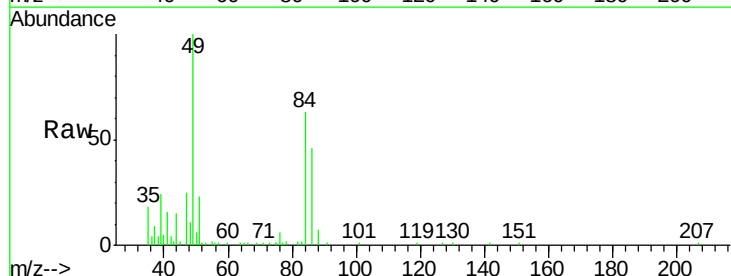
Tot Ion: 73 Resp: 163687
 Ion Ratio Lower Upper
 73 100
 57 19.1 14.8 22.2

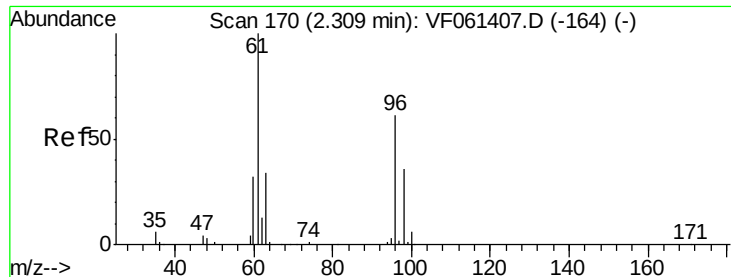


#20

Methylene Chloride
 Concen: 55.841 ug/l m
 RT: 2.17 min Scan# 156
 Delta R.T. 0.00 min
 Lab File: VF061603.D
 Acq: 12 Feb 2019 12:14

Tgt Ion: 84 Resp: 75449
 Ion Ratio Lower Upper
 84 100
 49 159.6 120.0 180.0
 51 37.5 38.6 58.0#
 86 73.2 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 52.102 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

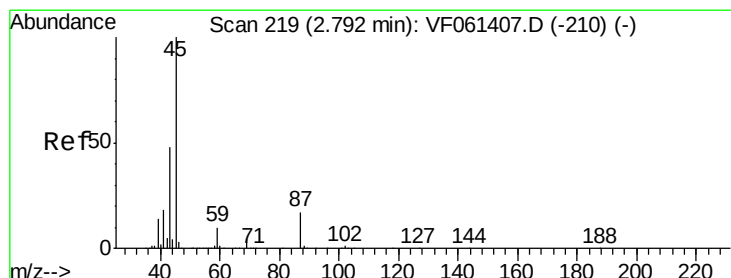
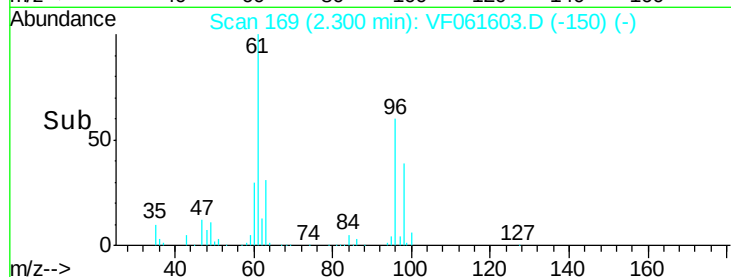
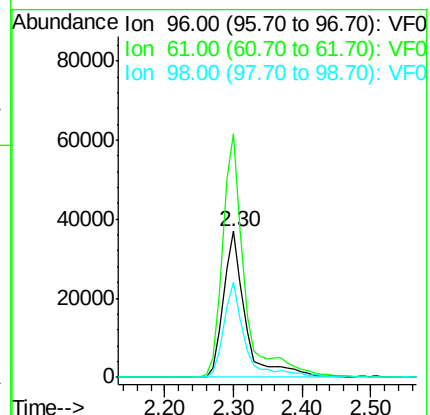
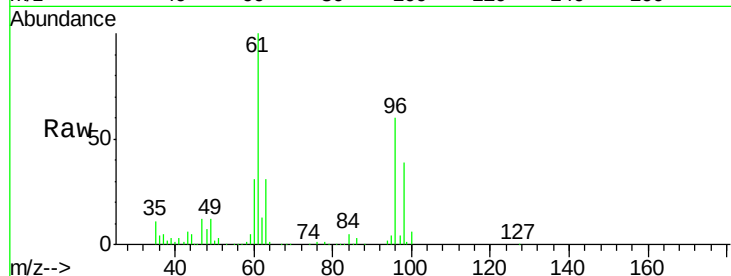
Tot Ion: 96 Resp: 82236

Ion Ratio Lower Upper

96 100

61 166.5 131.8 197.8

98 64.7 47.4 71.0



#22

Diisopropyl ether

Concen: 52.475 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Tgt Ion: 45 Resp: 267892

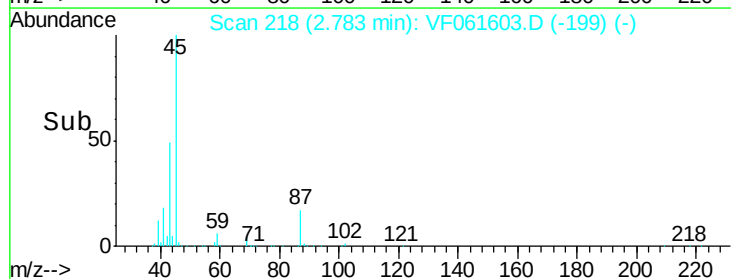
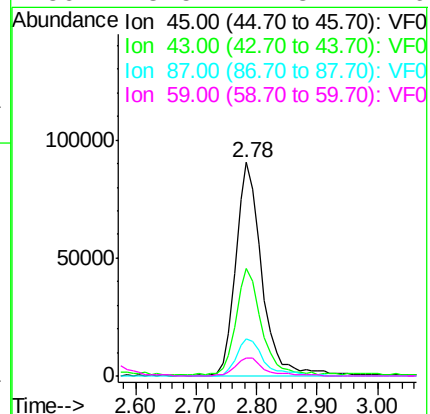
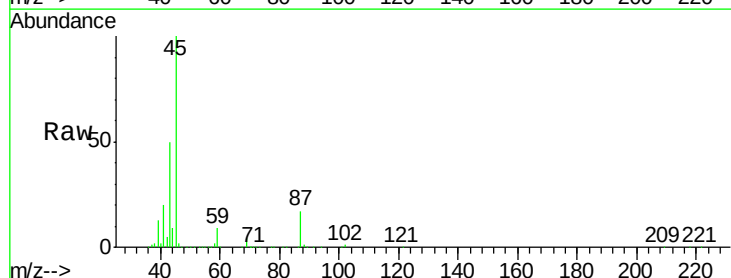
Ion Ratio Lower Upper

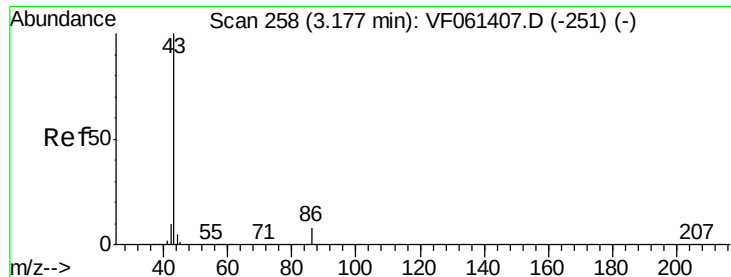
45 100

43 50.2 39.0 58.6

87 17.2 13.9 20.9

59 8.5 7.8 11.6





#23

Vinyl Acetate

Concen: 267.179 ug/l

RT: 3.17 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

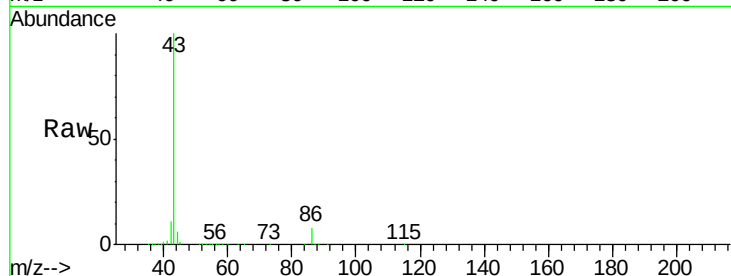
VSTDCCC050

Tot Ion: 43 Resp: 600445

Ion Ratio Lower Upper

43 100

86 7.7 6.2 9.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

250000

200000

150000

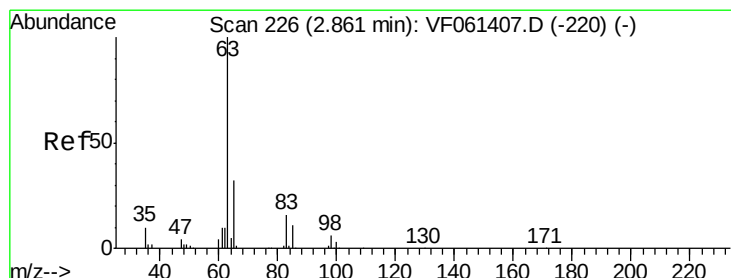
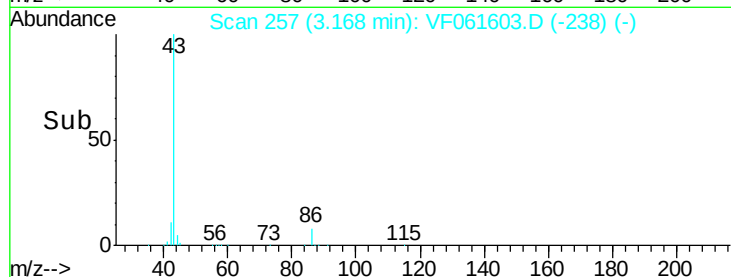
100000

50000

0

3.00 3.10 3.20 3.30 3.40

Time-->



#24

1,1-Dichloroethane

Concen: 50.533 ug/l

RT: 2.86 min Scan# 226

Delta R.T. 0.00 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

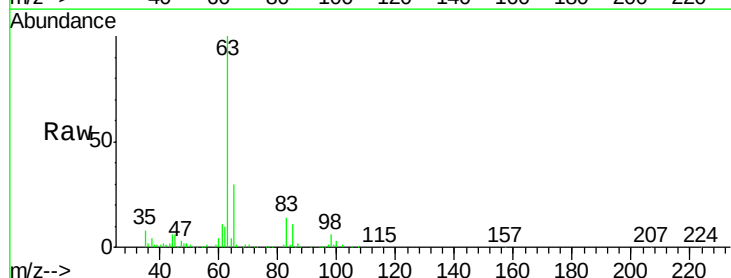
Tgt Ion: 63 Resp: 161913

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.8

100 2.9 1.6 4.8



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

80000

60000

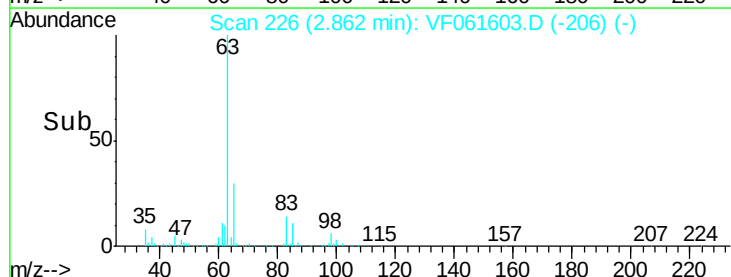
40000

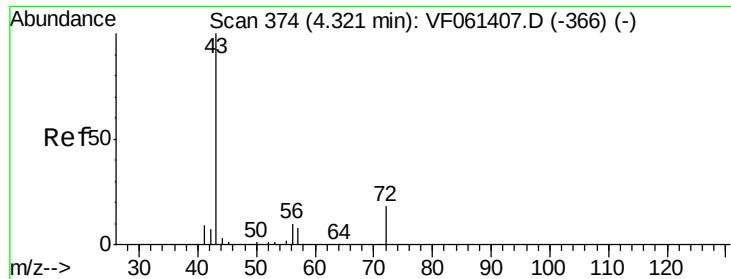
20000

0

2.70 2.80 2.90 3.00

Time-->





#25

2-Butanone

Concen: 253.389 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

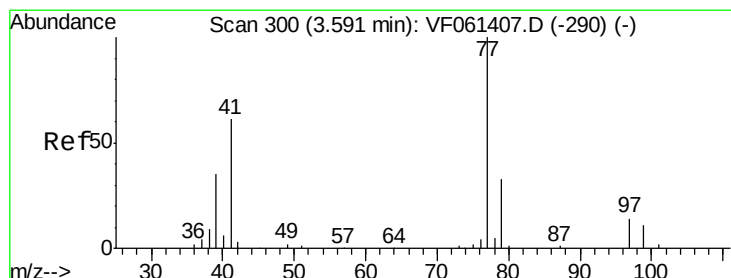
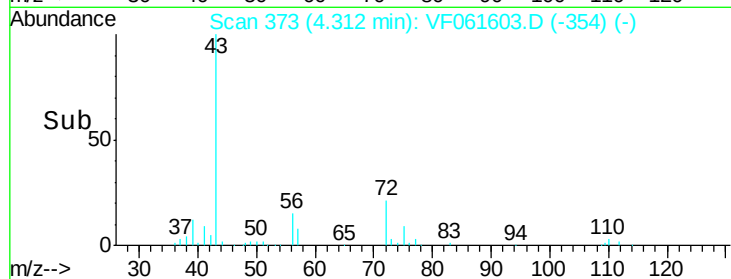
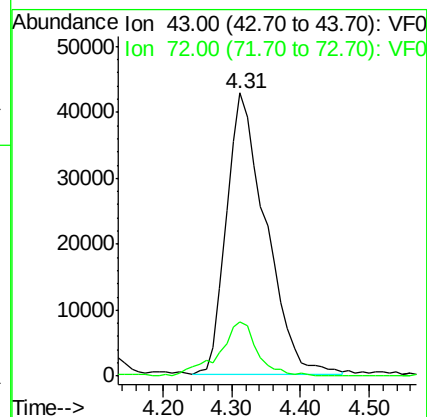
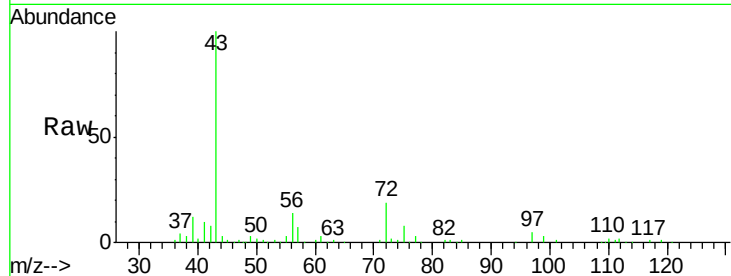
VSTDCCC050

Tot Ion: 43 Resp: 168339

Ion Ratio Lower Upper

43 100

72 19.1 15.8 23.6



#26

2,2-Dichloropropane

Concen: 47.576 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.01 min

Lab File: VF061603.D

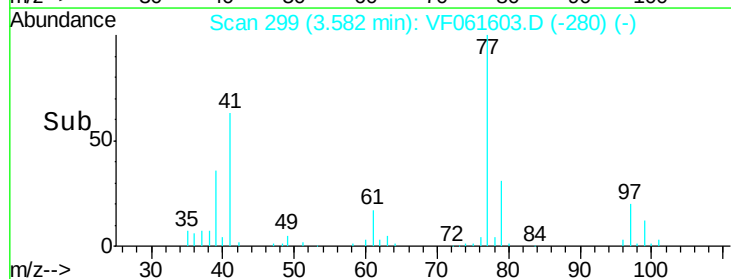
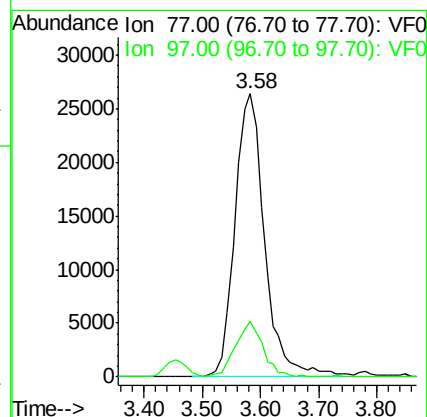
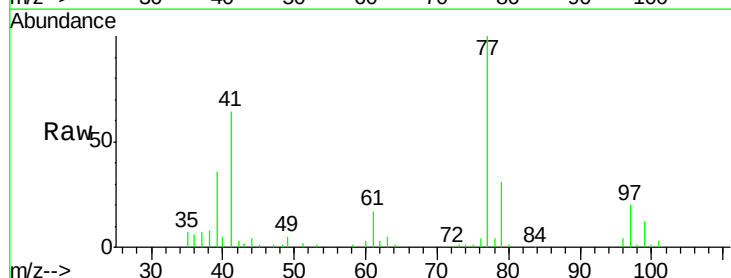
Acq: 12 Feb 2019 12:14

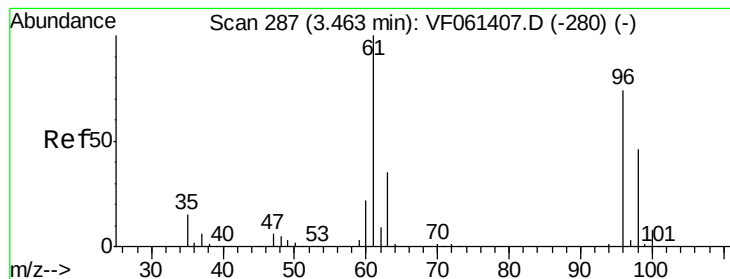
Tgt Ion: 77 Resp: 93656

Ion Ratio Lower Upper

77 100

97 19.5 8.5 25.5



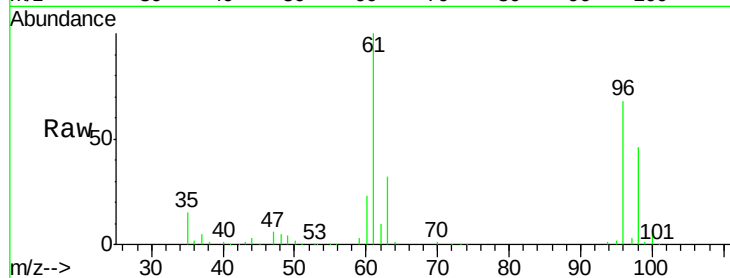


#27

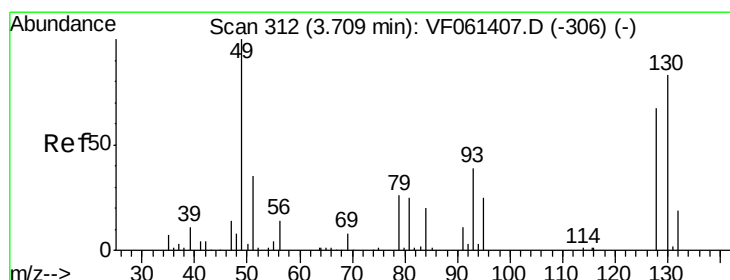
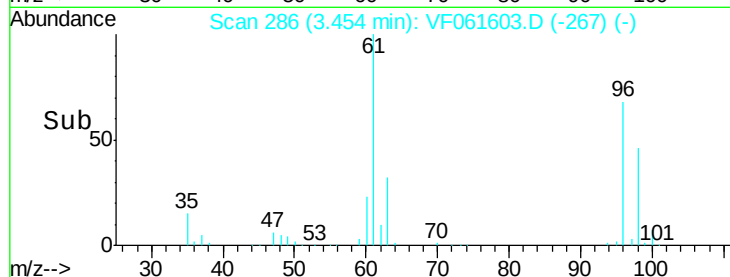
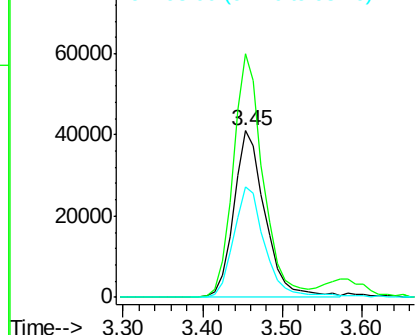
cis-1,2-Dichloroethene
 Concen: 48.062 ug/l
 RT: 3.45 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: VF061603.D
 Acq: 12 Feb 2019 12:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	96	Resp	111979
Ion	Ratio	Lower	Upper
96	100		
61	146.2	0.0	270.2
98	66.7	0.0	124.0



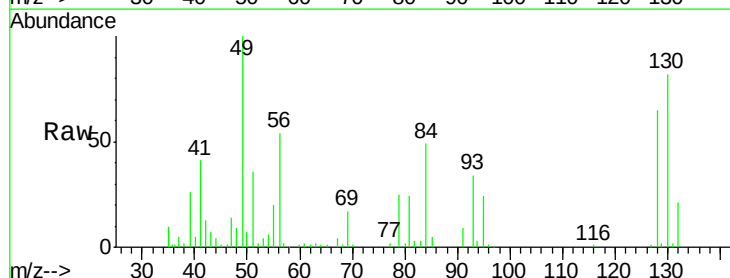
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



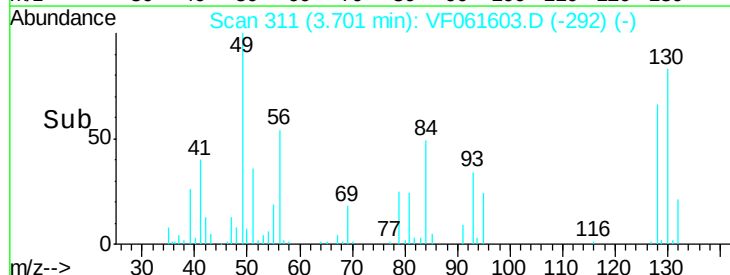
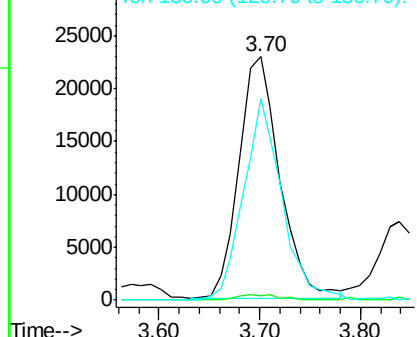
#28

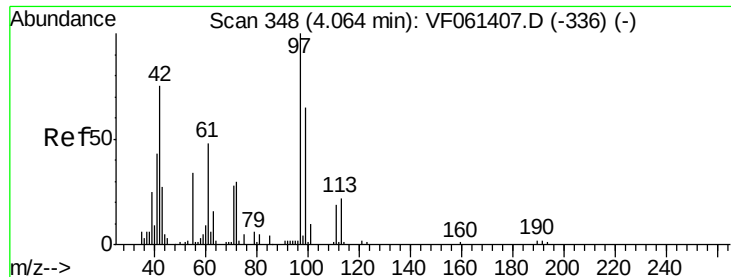
Bromochloromethane
 Concen: 45.161 ug/l
 RT: 3.70 min Scan# 311
 Delta R.T. -0.01 min
 Lab File: VF061603.D
 Acq: 12 Feb 2019 12:14

Tgt Ion	49	Resp	65044
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	0.0#
130	82.5	65.4	98.2



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

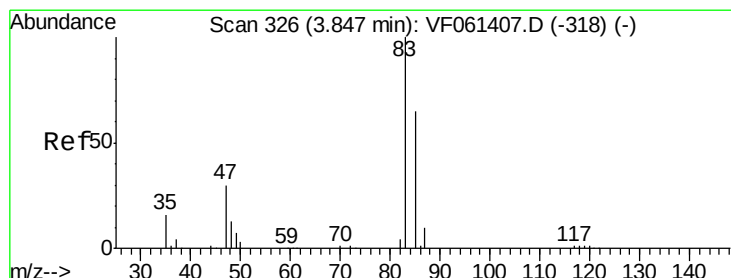
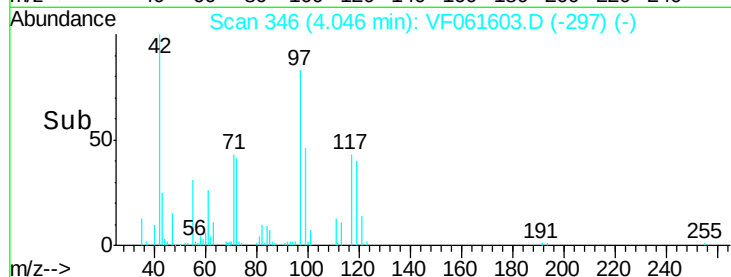
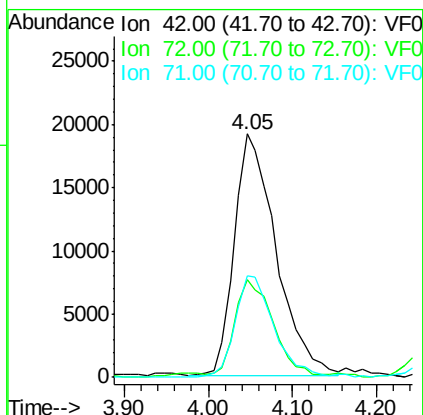
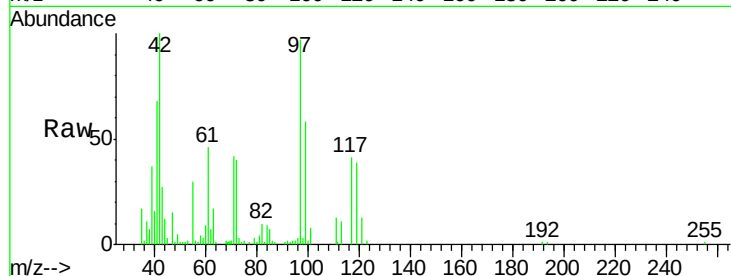




#29
Tetrahydrofuran
Concen: 233.293 ug/l
RT: 4.05 min Scan# 346
Delta R.T. -0.02 min
Lab File: VF061603.D
Acq: 12 Feb 2019 12:14

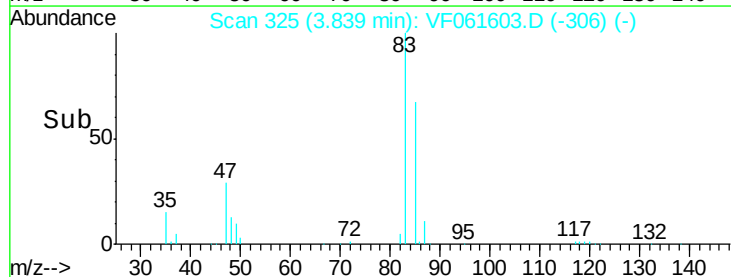
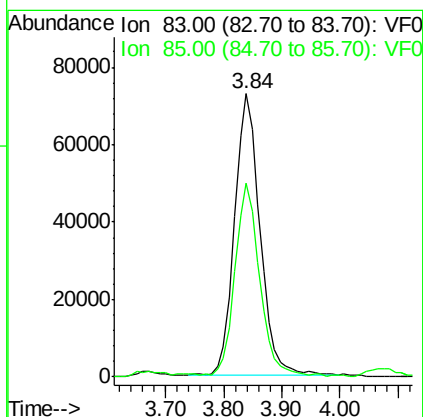
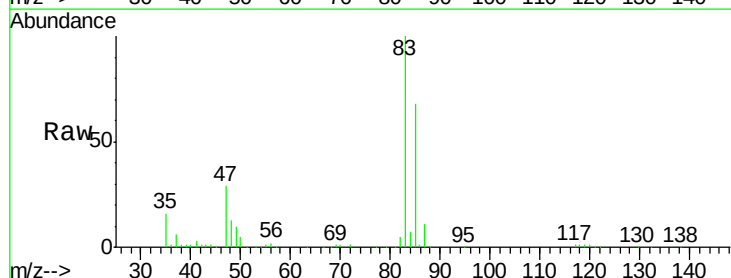
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

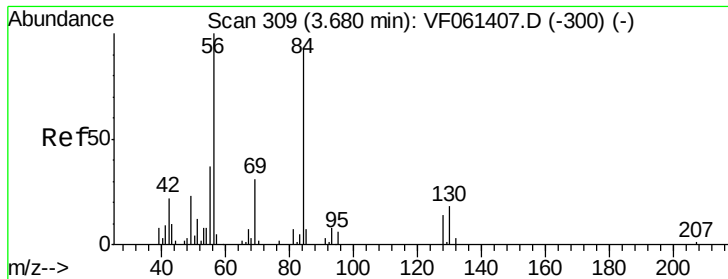
Tot Ion: 42 Resp: 66737
Ion Ratio Lower Upper
42 100
72 37.5 28.9 43.3
71 38.6 29.6 44.4



#30
Chloroform
Concen: 50.618 ug/l
RT: 3.84 min Scan# 325
Delta R.T. -0.01 min
Lab File: VF061603.D
Acq: 12 Feb 2019 12:14

Tgt Ion: 83 Resp: 218881
Ion Ratio Lower Upper
83 100
85 68.4 52.7 79.1

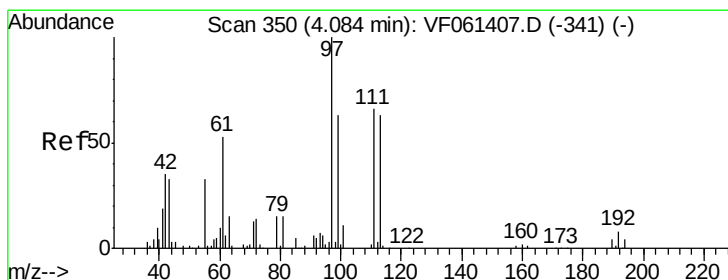
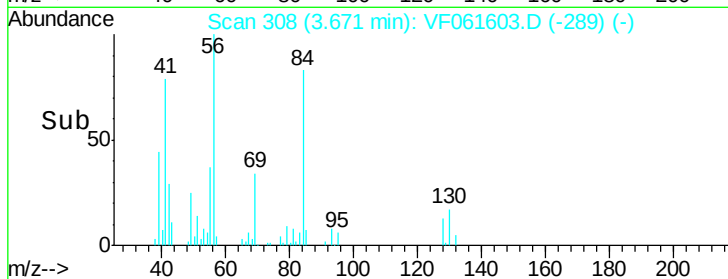
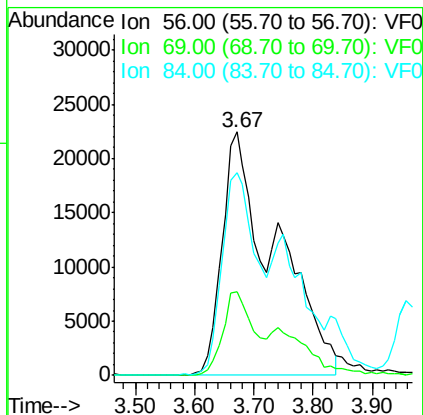
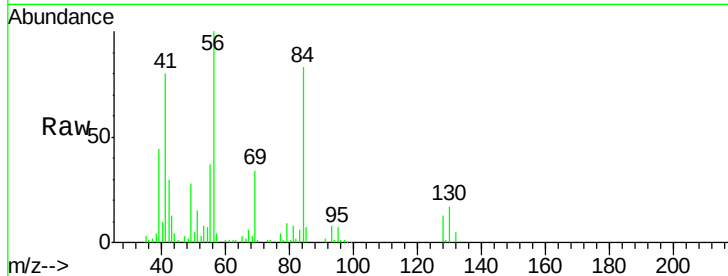




#31
Cyclohexane
Concen: 43.818 ug/l m
RT: 3.67 min Scan# 308
Delta R.T. -0.01 min
Lab File: VF061603.D
Acq: 12 Feb 2019 12:14

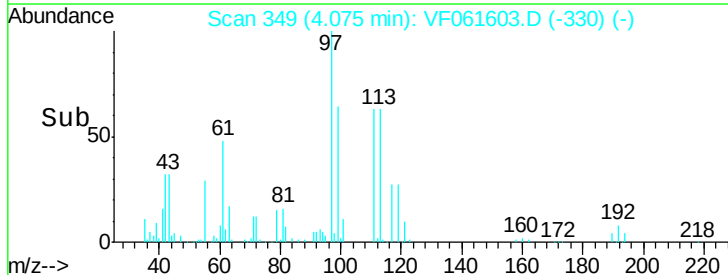
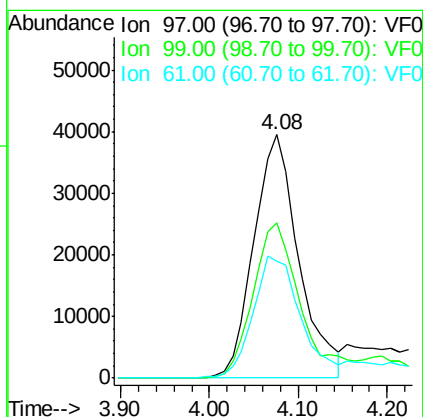
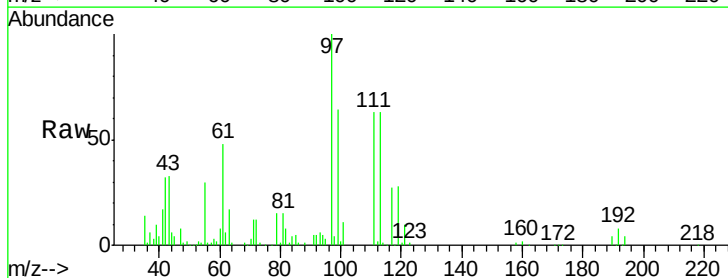
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

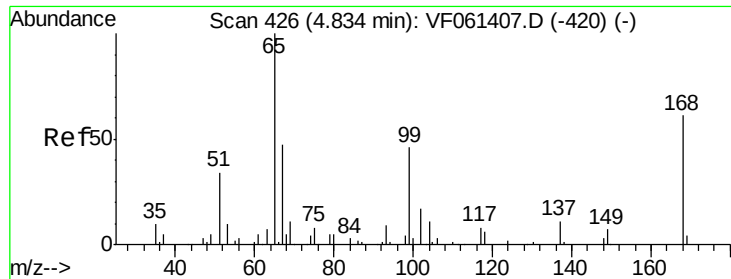
Tot Ion: 56 Resp: 140243
Ion Ratio Lower Upper
56 100
69 34.3 24.6 36.8
84 83.0 74.2 111.2



#32
1,1,1-Trichloroethane
Concen: 43.669 ug/l
RT: 4.08 min Scan# 349
Delta R.T. -0.01 min
Lab File: VF061603.D
Acq: 12 Feb 2019 12:14

Tgt Ion: 97 Resp: 138457
Ion Ratio Lower Upper
97 100
99 63.5 50.1 75.1
61 47.8 43.1 64.7

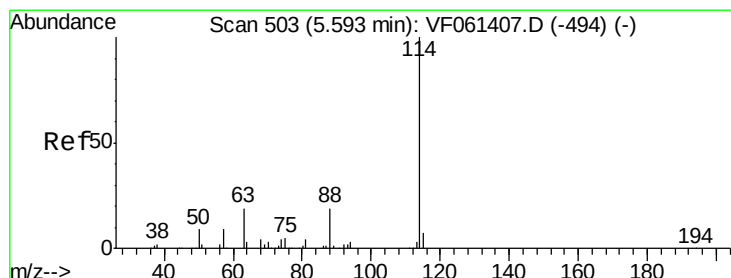
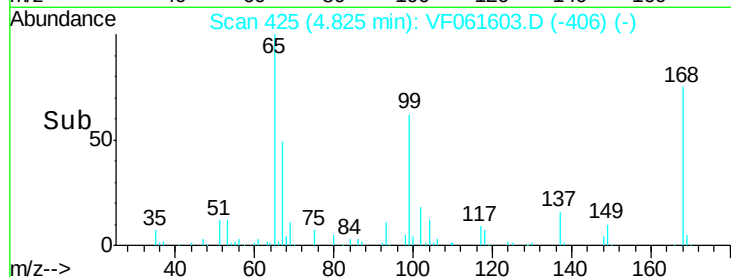
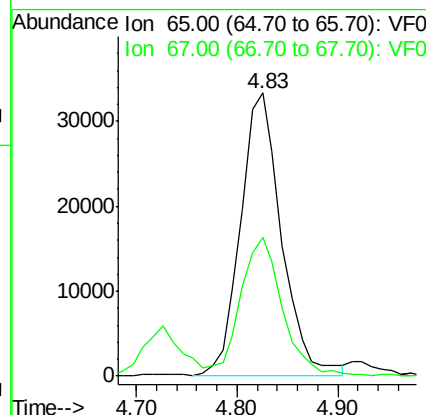
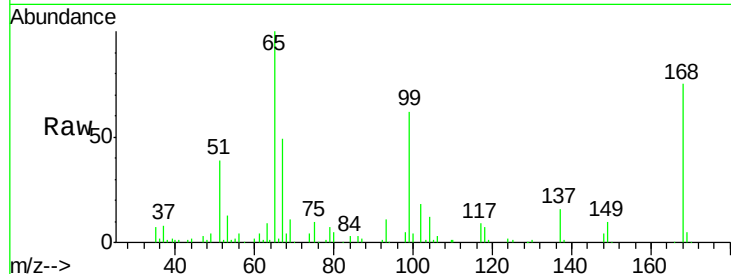




#33
 1,2-Dichloroethane-d4
 Concen: 47.005 ug/l
 RT: 4.83 min Scan# 425
 Delta R.T. -0.01 min
 Lab File: VF061603.D
 Acq: 12 Feb 2019 12:14

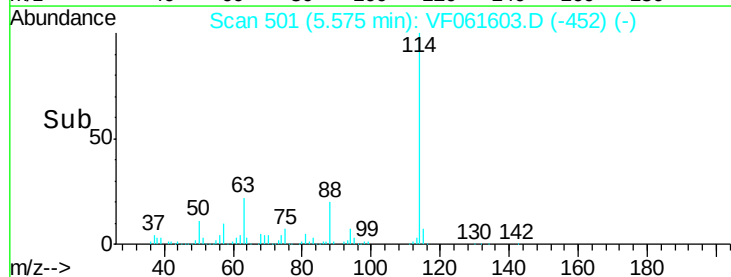
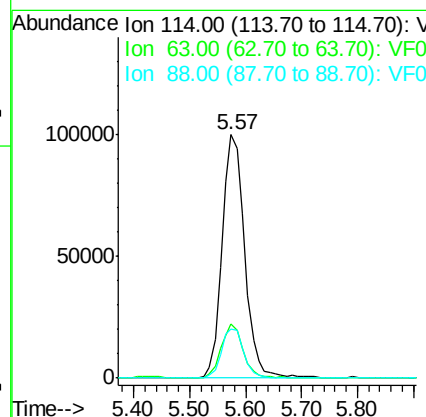
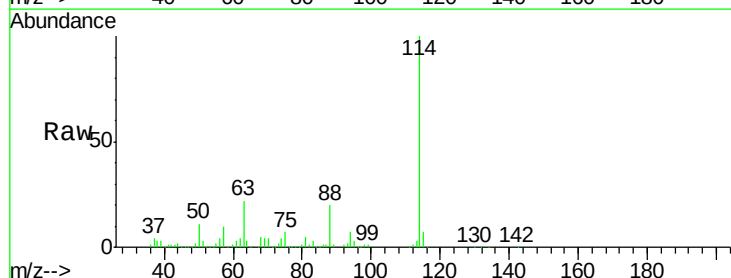
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

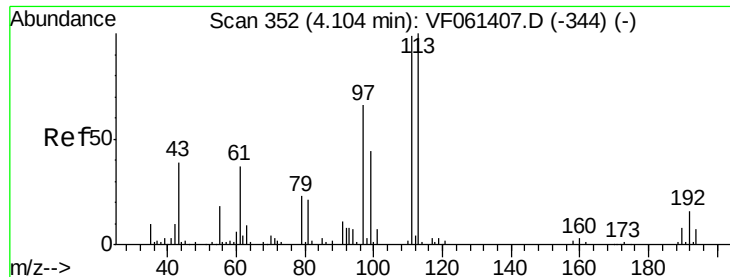
Tot Ion: 65 Resp: 93606
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.02 min
 Lab File: VF061603.D
 Acq: 12 Feb 2019 12:14

Tgt Ion: 114 Resp: 283253
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 39.0
 88 20.3 0.0 37.4





#35

Dibromofluoromethane

Concen: 48.374 ug/l

RT: 4.10 min Scan# 351

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

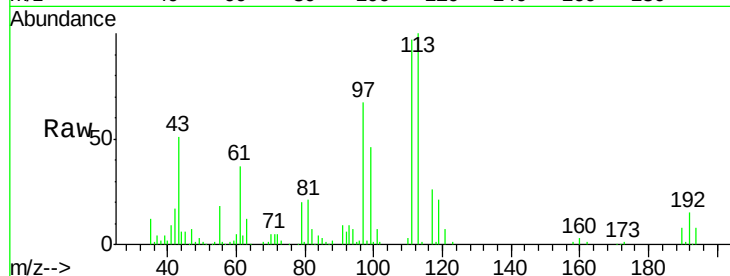
Tot Ion:113 Resp: 108121

Ion Ratio Lower Upper

113 100

111 97.1 79.4 119.0

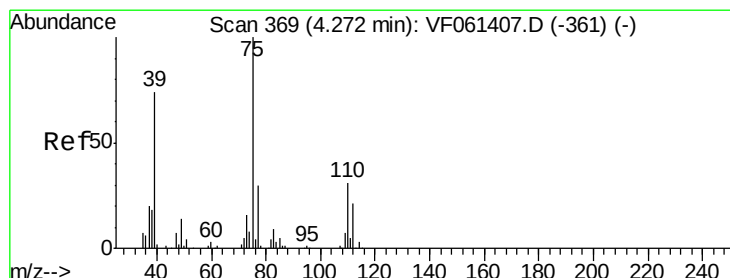
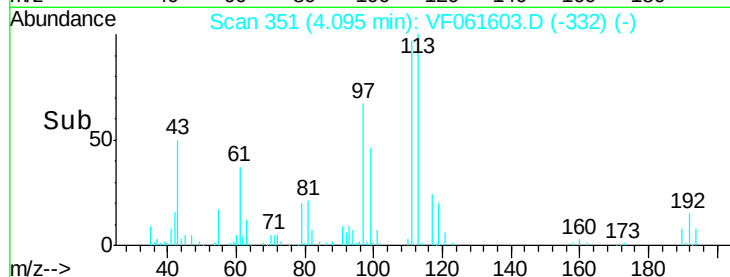
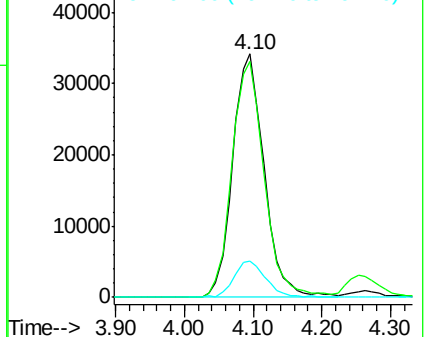
192 15.3 12.4 18.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 48.631 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

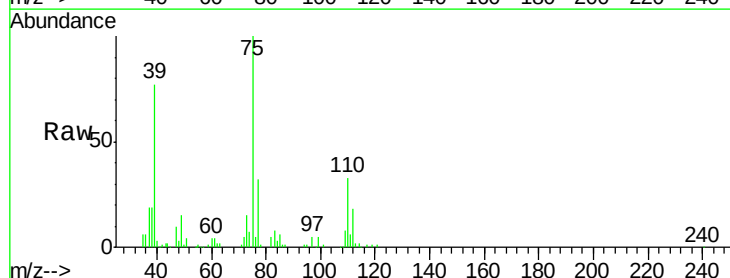
Tgt Ion: 75 Resp: 159713

Ion Ratio Lower Upper

75 100

110 32.5 15.8 47.3

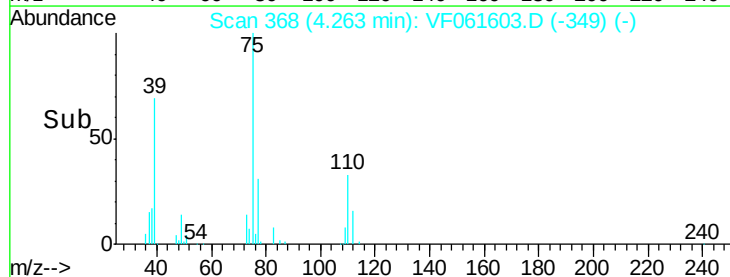
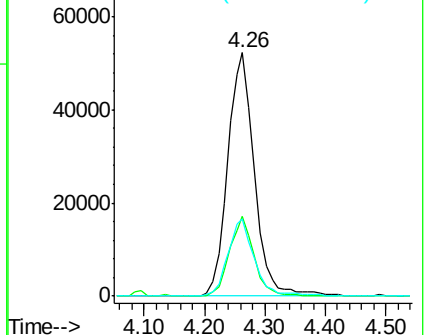
77 31.5 24.0 36.0

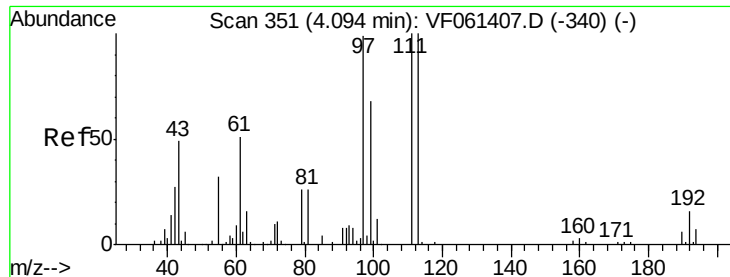


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 47.429 ug/l

RT: 4.10 min Scan# 351

Delta R.T. 0.00 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

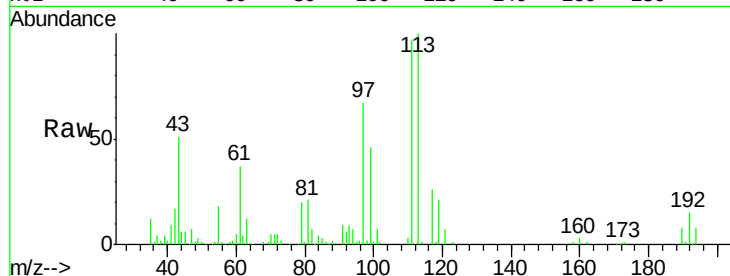
Tot Ion: 43 Resp: 62264

Ion Ratio Lower Upper

43 100

61 73.1 81.7 122.5#

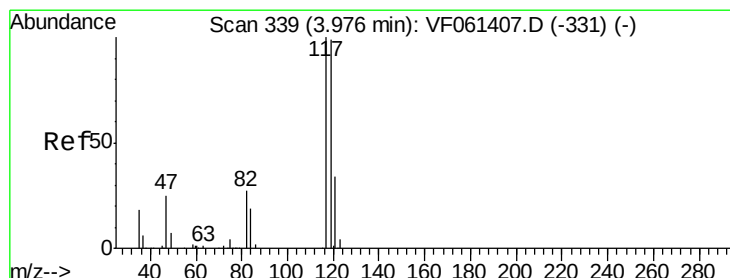
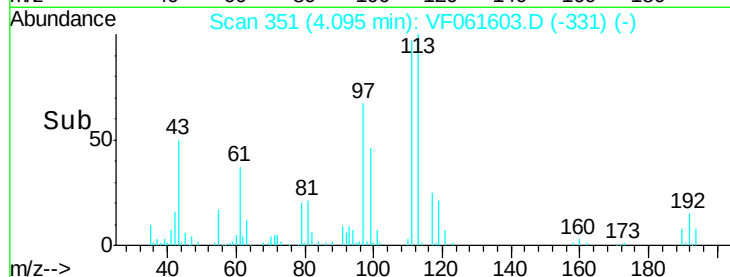
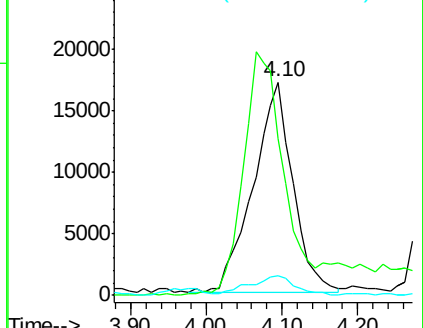
70 9.2 6.2 9.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 47.059 ug/l

RT: 3.97 min Scan# 338

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

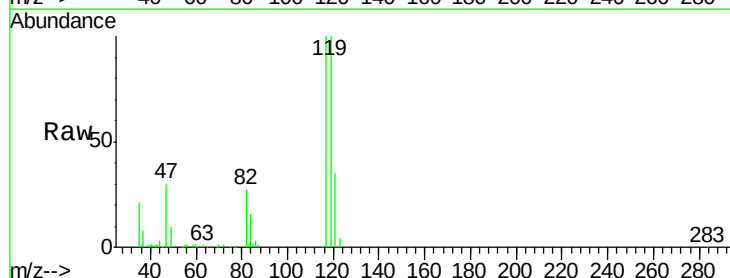
Tgt Ion: 117 Resp: 135114

Ion Ratio Lower Upper

117 100

119 100.0 79.0 118.6

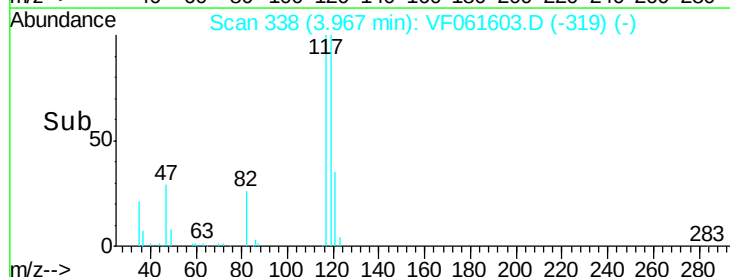
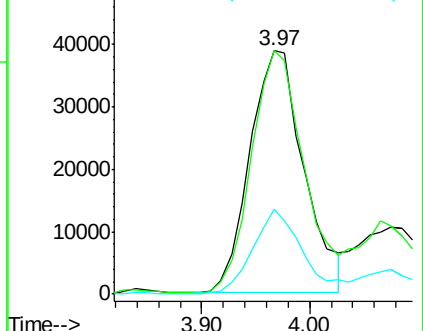
121 34.9 27.0 40.6

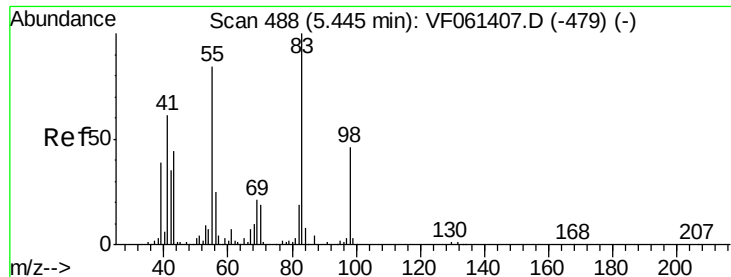


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

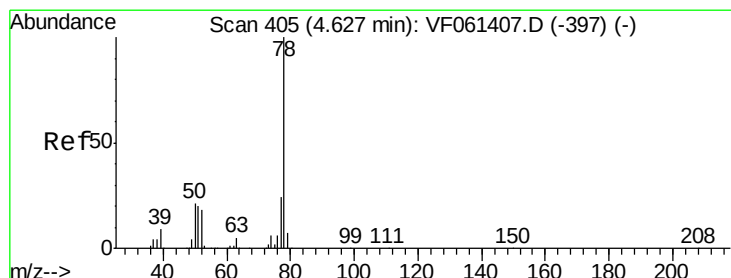
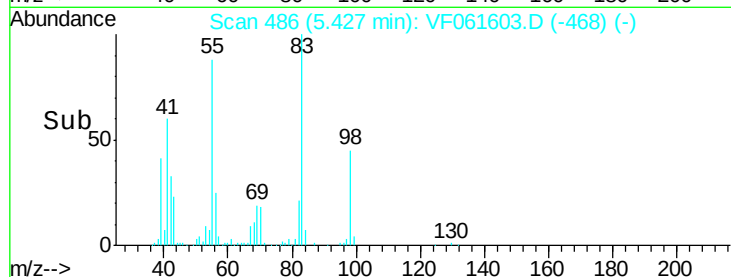
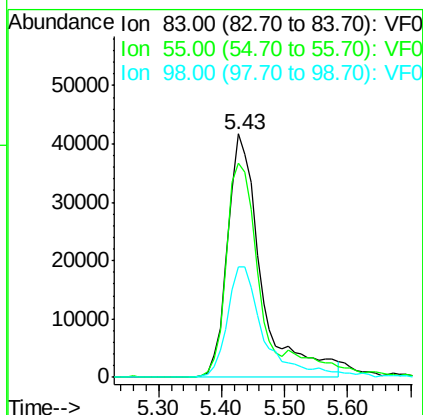
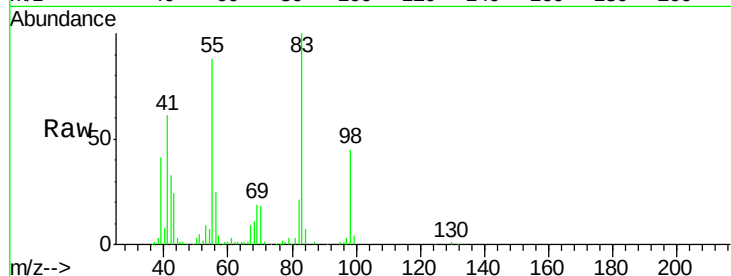




#39
Methylvlcyclohexane
Concen: 43.623 ug/l
RT: 5.43 min Scan# 486
Delta R.T. -0.02 min
Lab File: VF061603.D
Acq: 12 Feb 2019 12:14

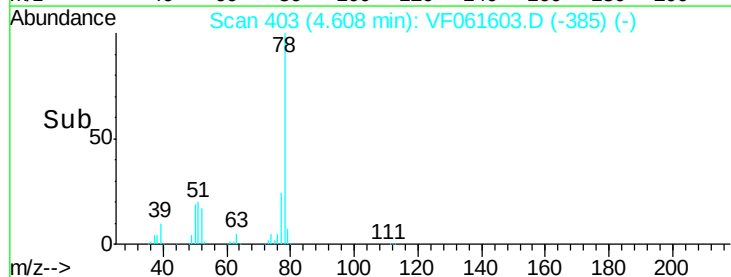
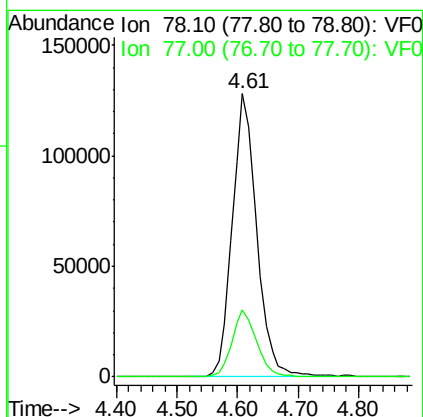
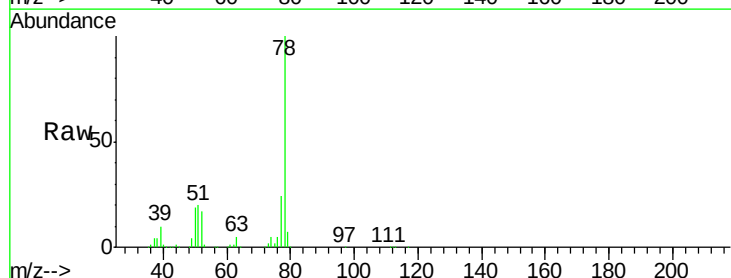
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

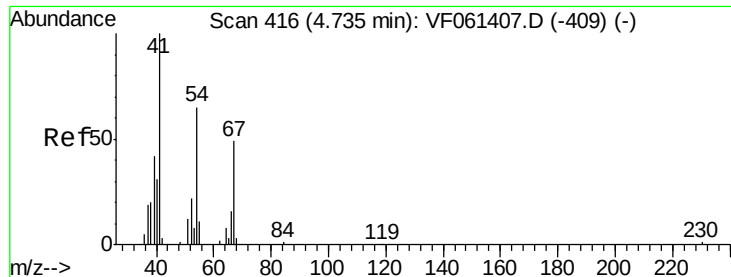
Tot Ion: 83 Resp: 155260
Ion Ratio Lower Upper
83 100
55 87.8 67.4 101.2
98 45.3 36.7 55.1



#40
Benzene
Concen: 49.340 ug/l
RT: 4.61 min Scan# 403
Delta R.T. -0.02 min
Lab File: VF061603.D
Acq: 12 Feb 2019 12:14

Tgt Ion: 78 Resp: 360573
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6





#41

Methacrylonitrile

Concen: 47.065 ug/l

RT: 4.73 min Scan# 415

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 32877

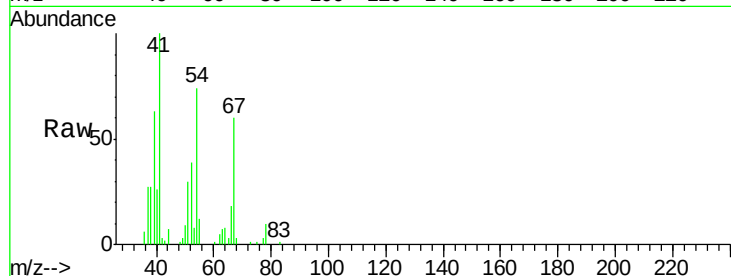
Ion Ratio Lower Upper

41 100

39 63.4 43.1 64.7

67 59.7 38.8 58.2#

52 39.4 33.2 49.8

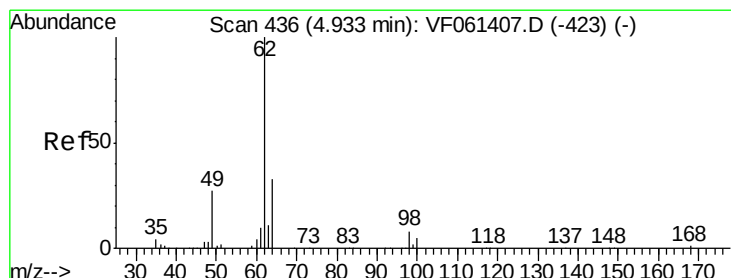
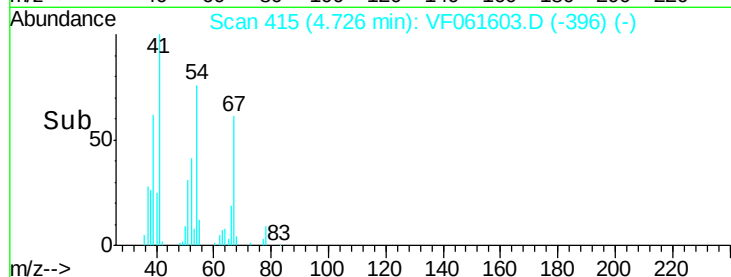
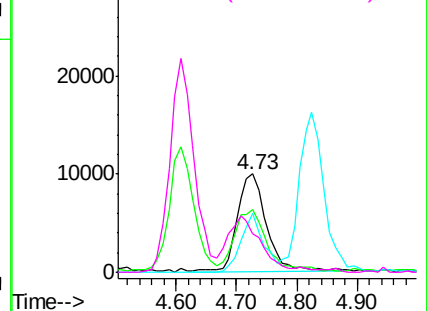


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 52.113 ug/l

RT: 4.92 min Scan# 435

Delta R.T. -0.01 min

Lab File: VF061603.D

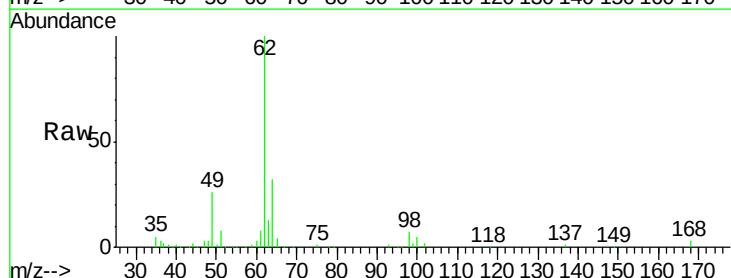
Acq: 12 Feb 2019 12:14

Tgt Ion: 62 Resp: 135708

Ion Ratio Lower Upper

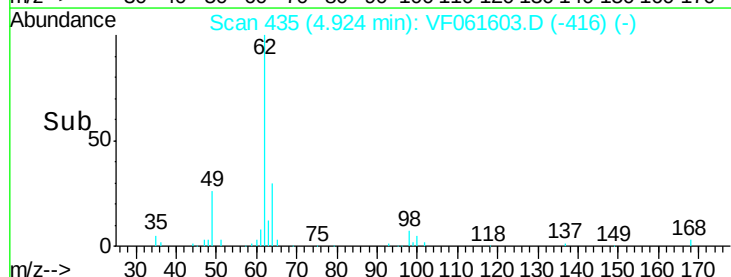
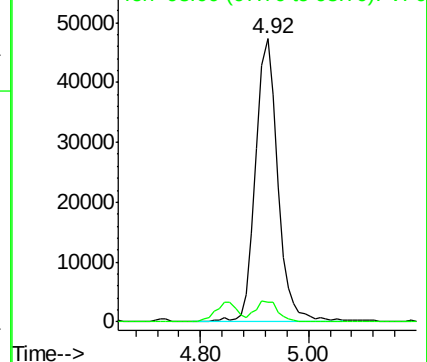
62 100

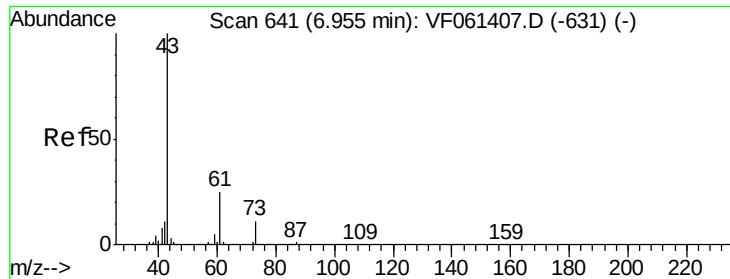
98 7.1 0.0 17.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 43.868 ug/l

RT: 6.94 min Scan# 639

Delta R.T. -0.02 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

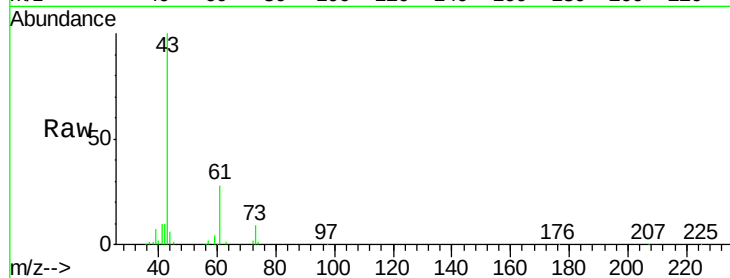
Tot Ion: 43 Resp: 72279

Ion Ratio Lower Upper

43 100

61 27.5 20.3 30.5

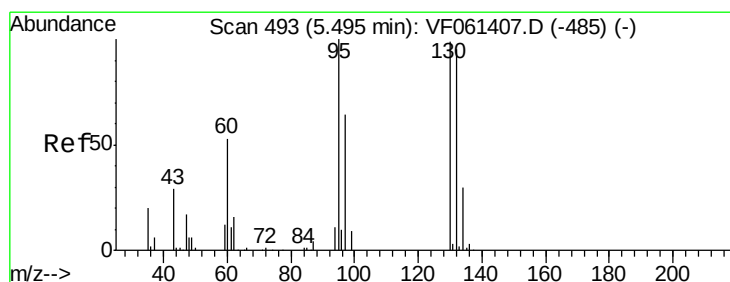
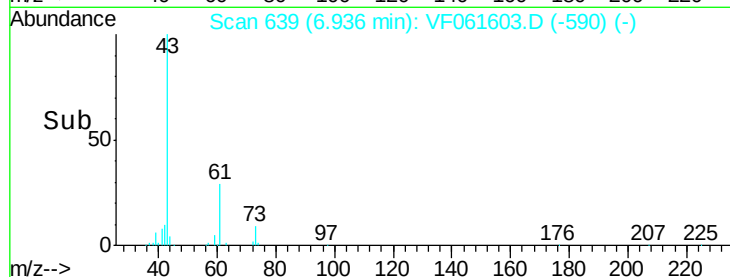
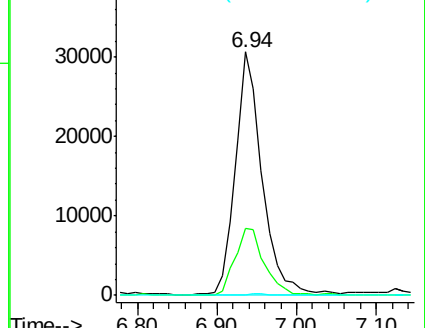
87 0.0 0.5 0.7#



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: 48.686 ug/l

RT: 5.49 min Scan# 492

Delta R.T. -0.01 min

Lab File: VF061603.D

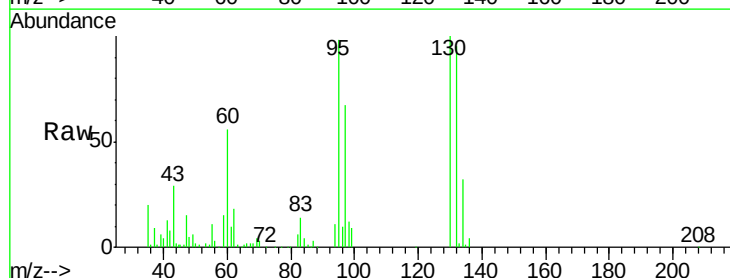
Acq: 12 Feb 2019 12:14

Tgt Ion:130 Resp: 109143

Ion Ratio Lower Upper

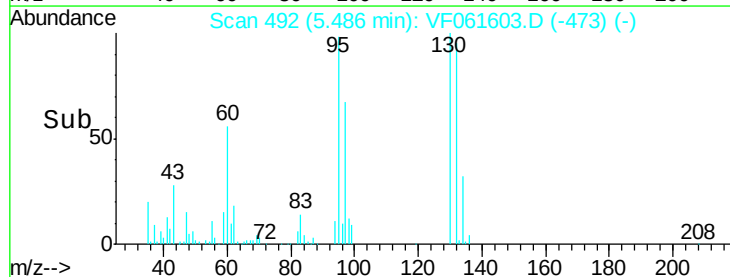
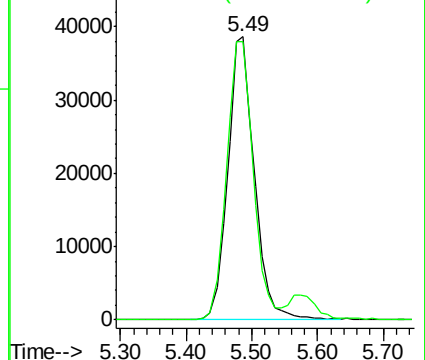
130 100

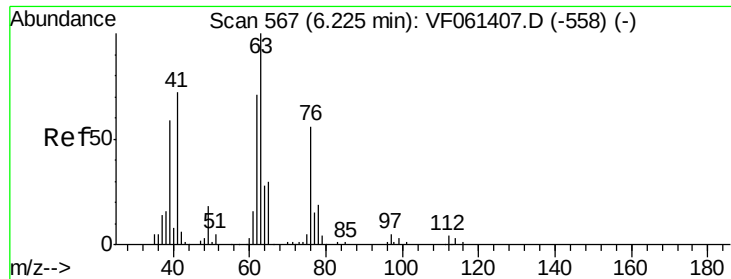
95 98.1 0.0 202.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 48.292 ug/l

RT: 6.22 min Scan# 566

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

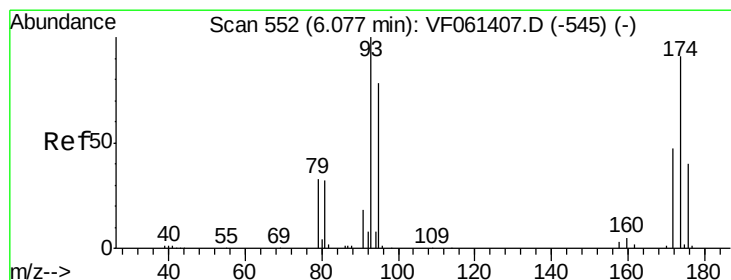
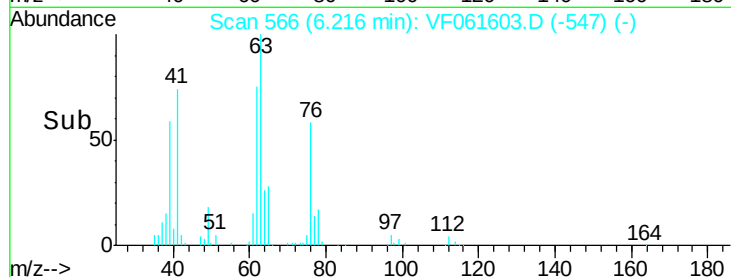
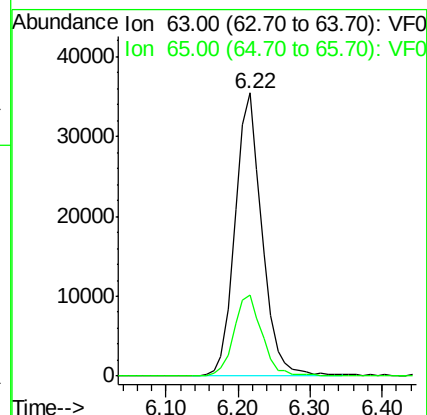
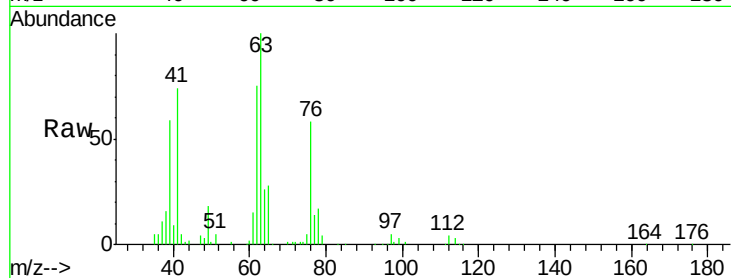
VSTDCCC050

Tot Ion: 63 Resp: 92623

Ion Ratio Lower Upper

63 100

65 28.5 24.4 36.6



#46

Dibromomethane

Concen: 48.053 ug/l

RT: 6.07 min Scan# 551

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

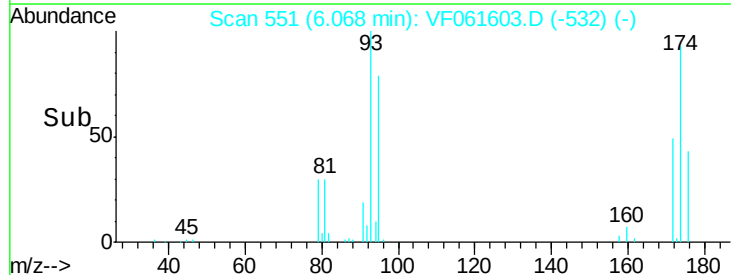
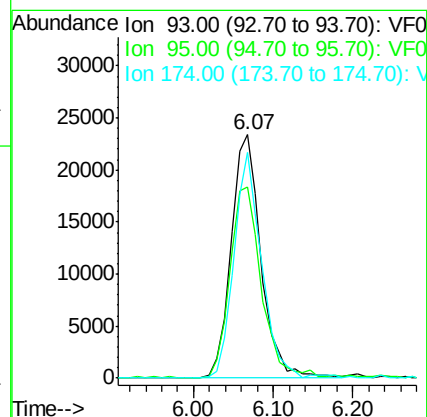
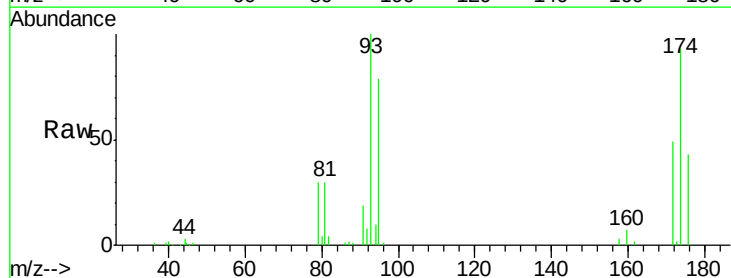
Tgt Ion: 93 Resp: 61283

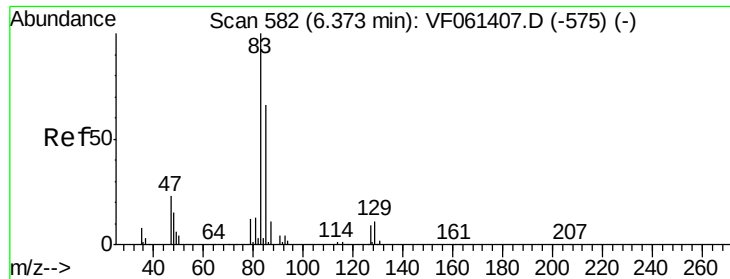
Ion Ratio Lower Upper

93 100

95 78.5 62.1 93.1

174 92.6 74.6 111.8





#47

Bromodichloromethane

Concen: 52.983 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

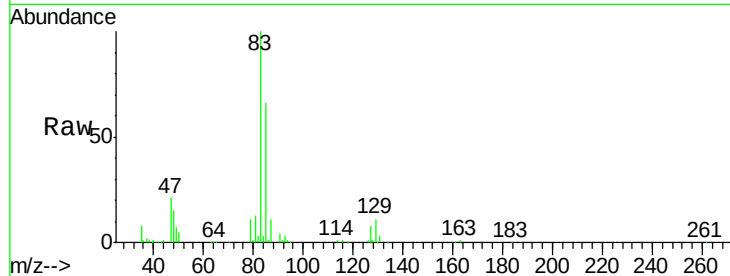
Tot Ion: 83 Resp: 167184

Ion Ratio Lower Upper

83 100

85 66.4 53.0 79.4

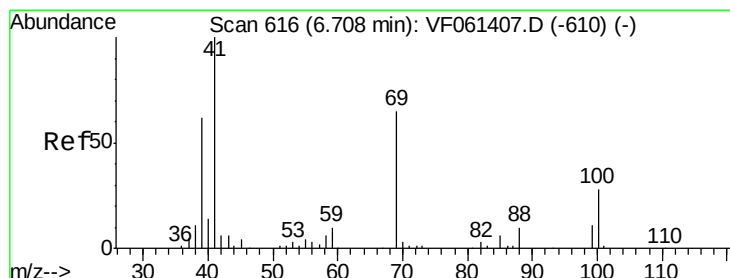
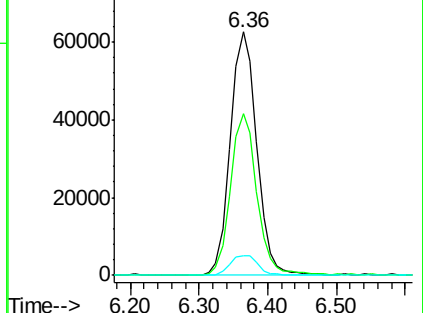
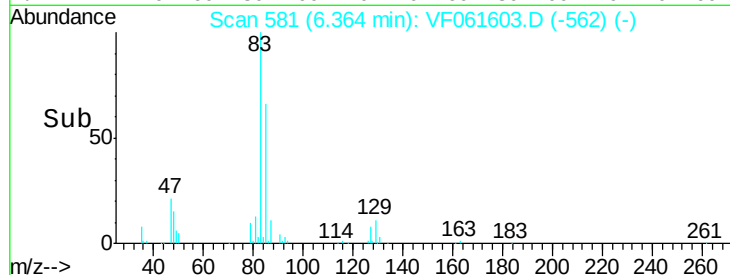
127 8.0 6.9 10.3



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: 45.380 ug/l

RT: 6.69 min Scan# 614

Delta R.T. -0.02 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

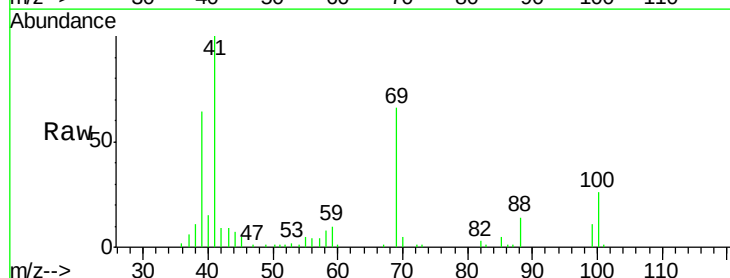
Tgt Ion: 41 Resp: 50209

Ion Ratio Lower Upper

41 100

69 66.2 51.7 77.5

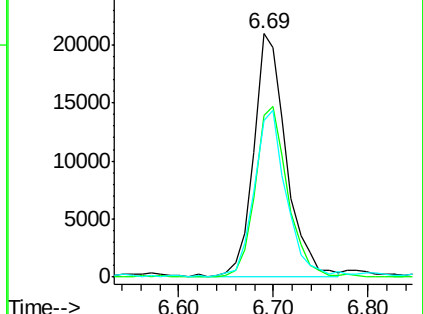
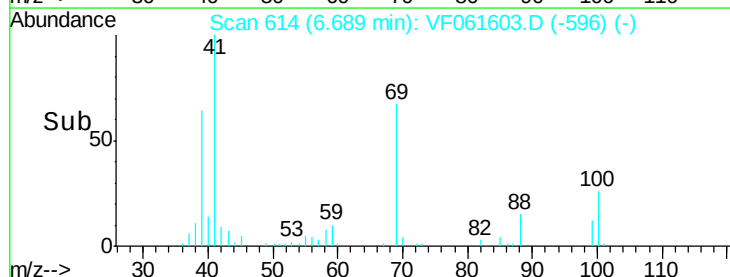
39 64.3 49.2 73.8

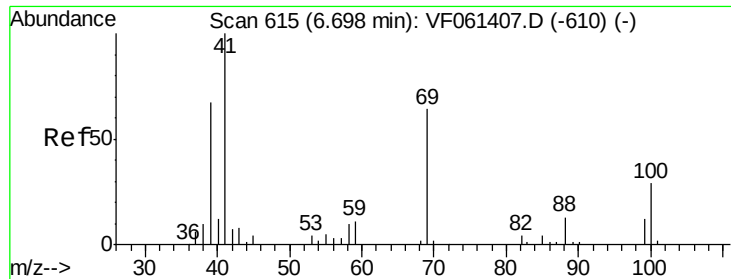


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

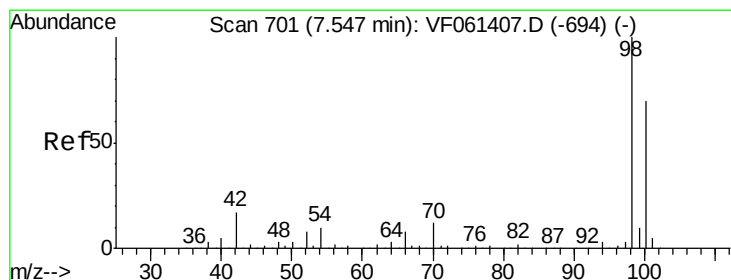
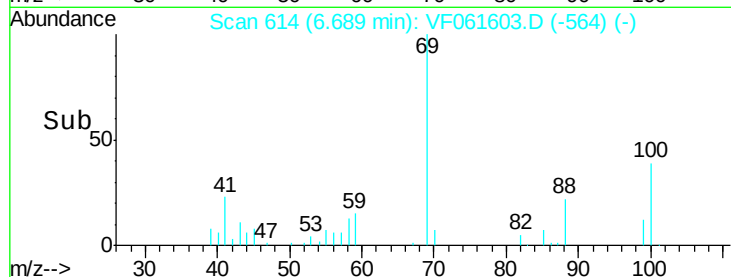
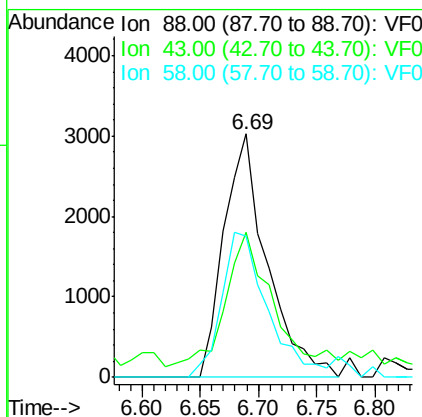
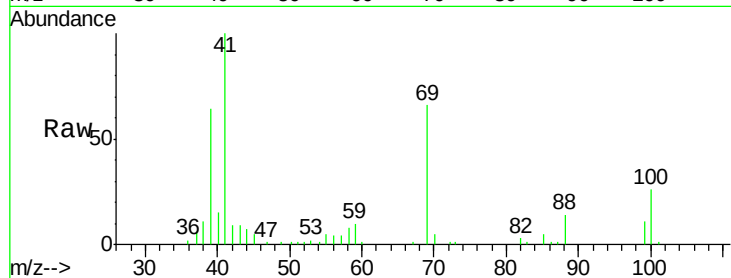




#49
1,4-Dioxane
Concen: 1003.045 ug/l
RT: 6.69 min Scan# 614
Delta R.T. -0.01 min
Lab File: VF061603.D
Acq: 12 Feb 2019 12:14

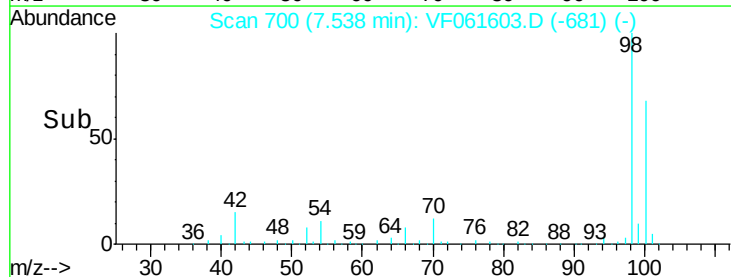
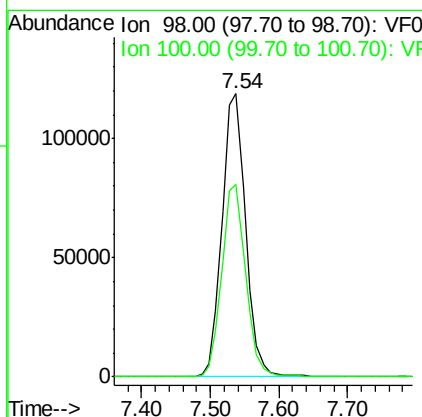
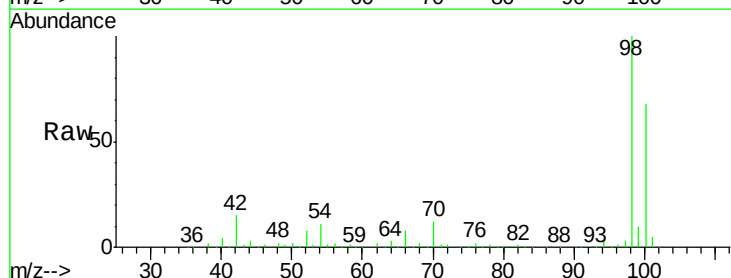
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

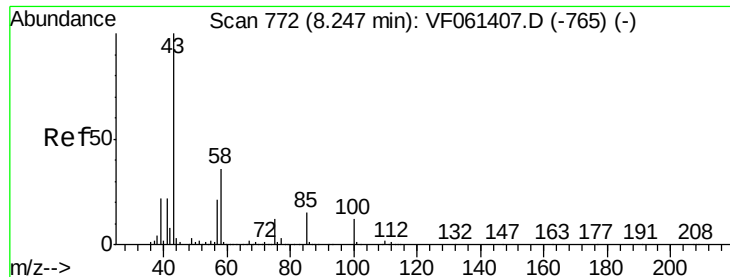
Tot Ion: 88 Resp: 7745
Ion Ratio Lower Upper
88 100
43 59.5 55.5 83.3
58 57.8 59.9 89.9#



#50
Toluene-d8
Concen: 46.245 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.01 min
Lab File: VF061603.D
Acq: 12 Feb 2019 12:14

Tgt Ion: 98 Resp: 283194
Ion Ratio Lower Upper
98 100
100 67.8 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 235.742 ug/l

RT: 8.24 min Scan# 771

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

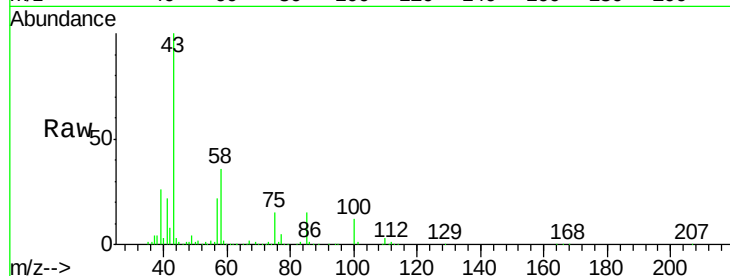
VSTDCCC050

Tot Ion: 43 Resp: 285550

Ion Ratio Lower Upper

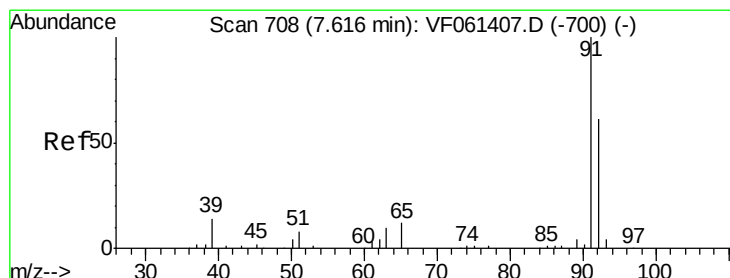
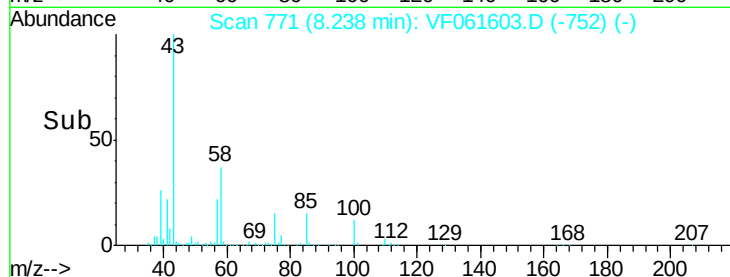
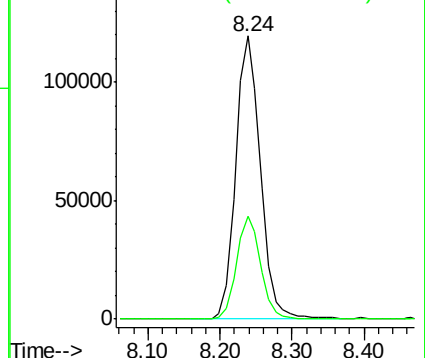
43 100

58 36.5 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 46.643 ug/l

RT: 7.61 min Scan# 707

Delta R.T. -0.01 min

Lab File: VF061603.D

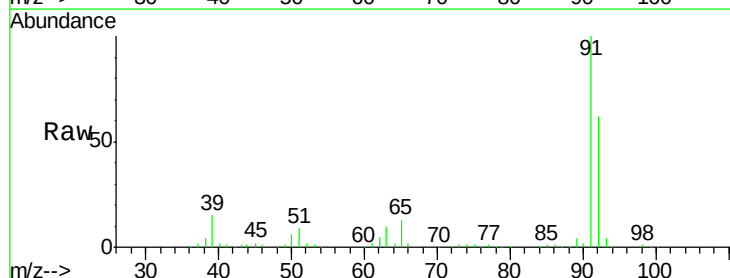
Acq: 12 Feb 2019 12:14

Tgt Ion: 92 Resp: 224469

Ion Ratio Lower Upper

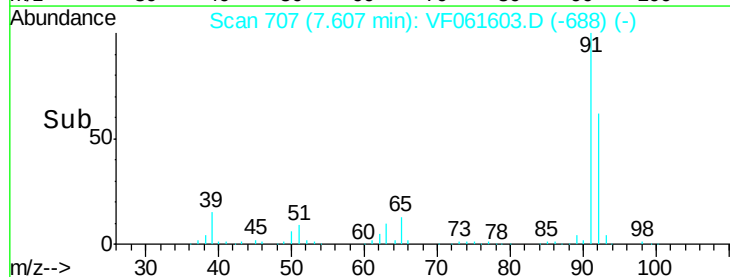
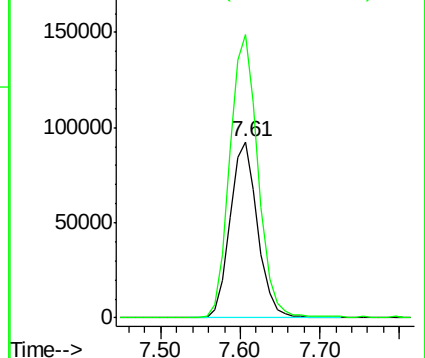
92 100

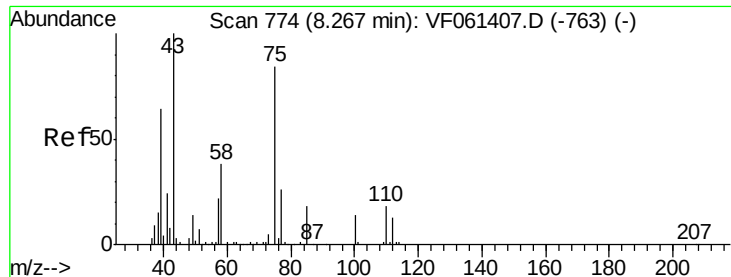
91 160.6 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 50.676 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

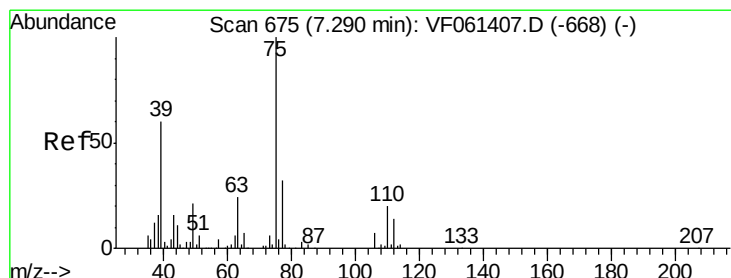
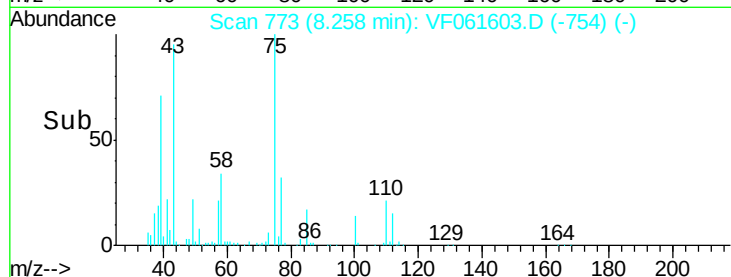
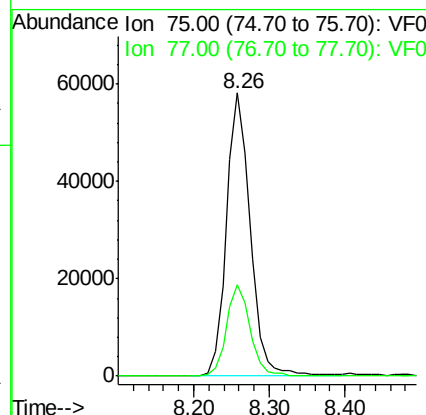
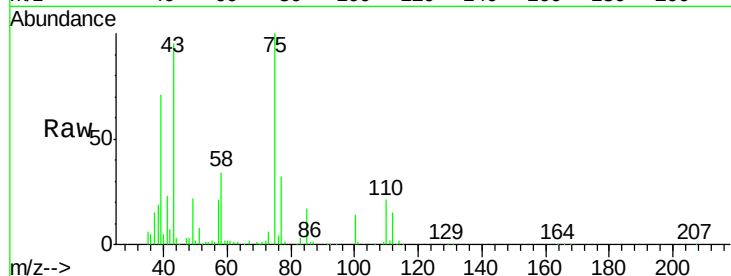
VSTDCCC050

Tot Ion: 75 Resp: 126972

Ion Ratio Lower Upper

75 100

77 32.3 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 51.214 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

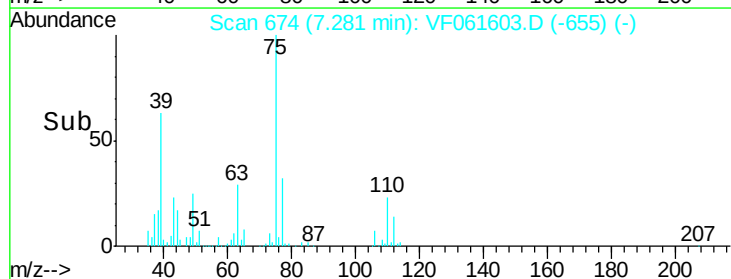
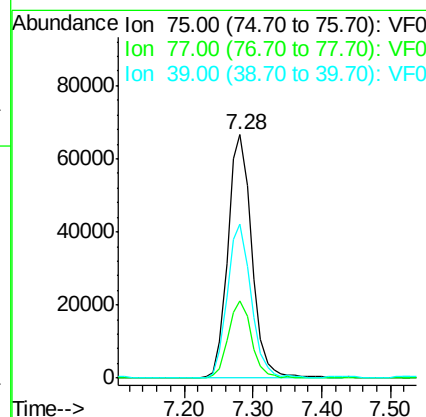
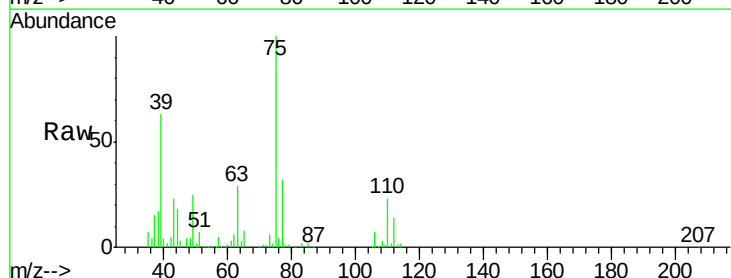
Tgt Ion: 75 Resp: 160398

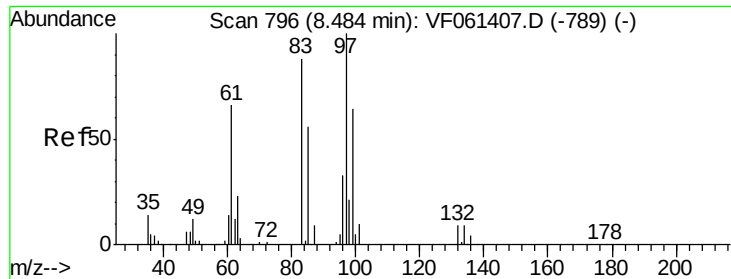
Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

39 63.3 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 49.928 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 68232

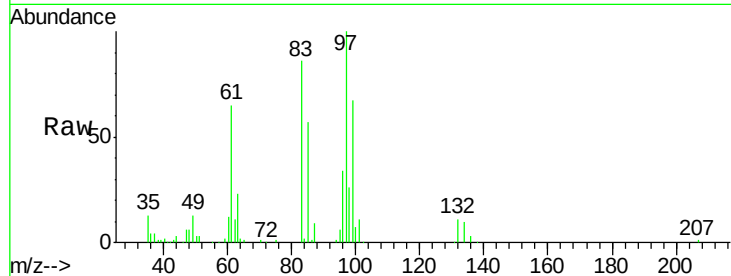
Ion Ratio Lower Upper

97 100

83 86.4 70.4 105.6

85 57.4 44.7 67.1

99 67.4 50.8 76.2

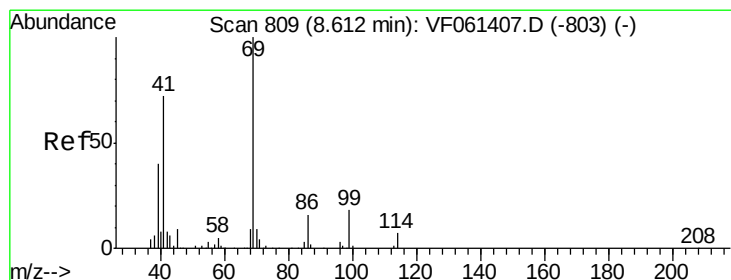
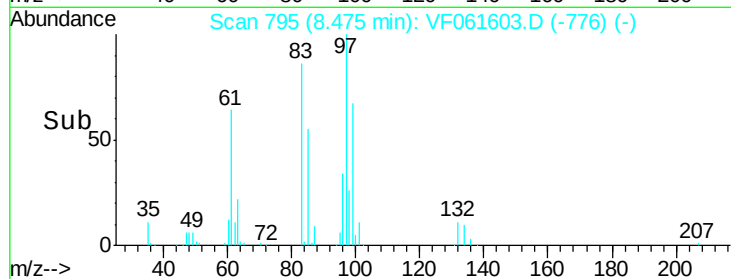
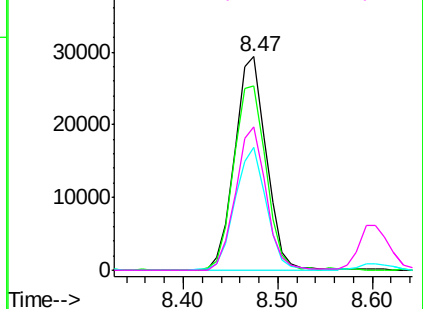


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 44.798 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

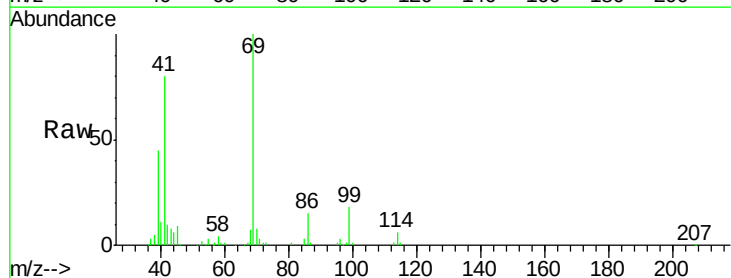
Tgt Ion: 69 Resp: 71226

Ion Ratio Lower Upper

69 100

41 80.3 57.5 86.3

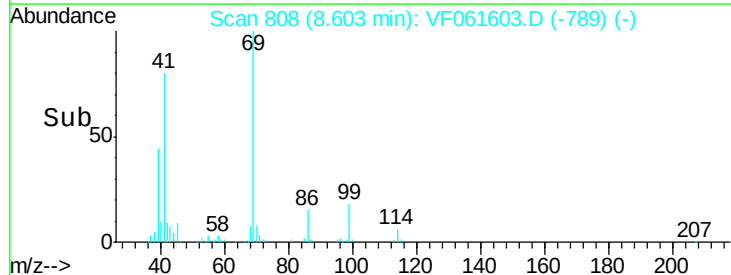
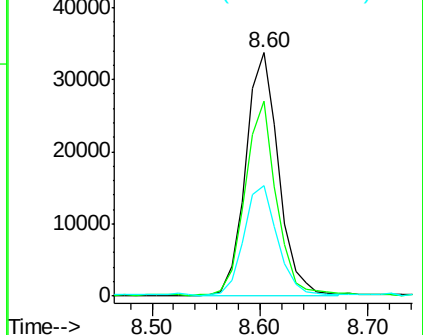
39 45.4 32.0 48.0

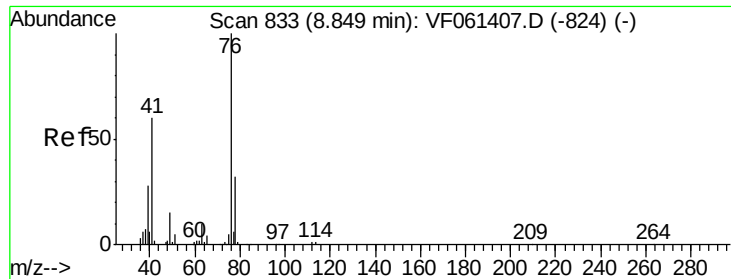


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 47.554 ug/l

RT: 8.83 min Scan# 831

Delta R.T. -0.02 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

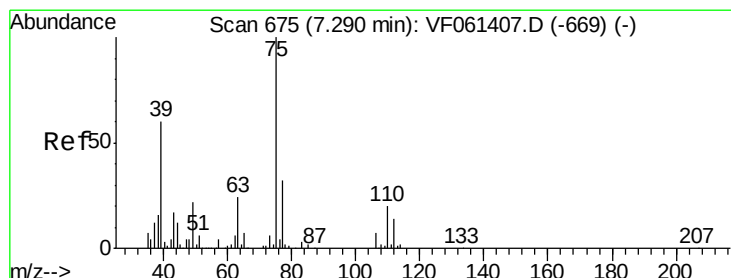
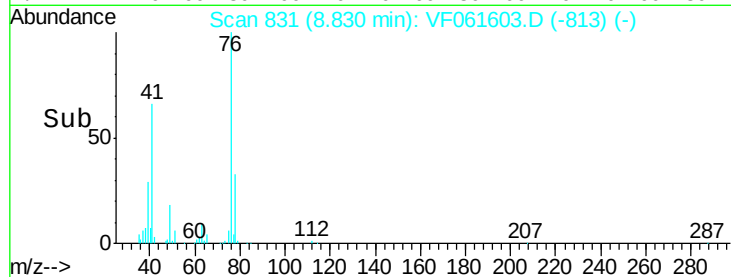
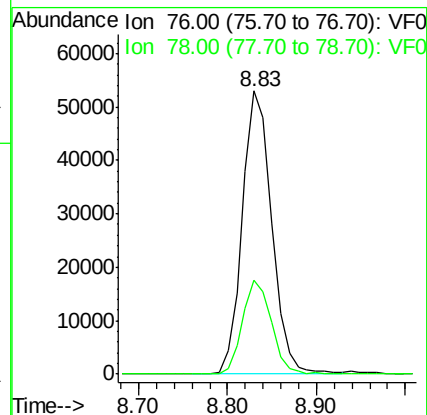
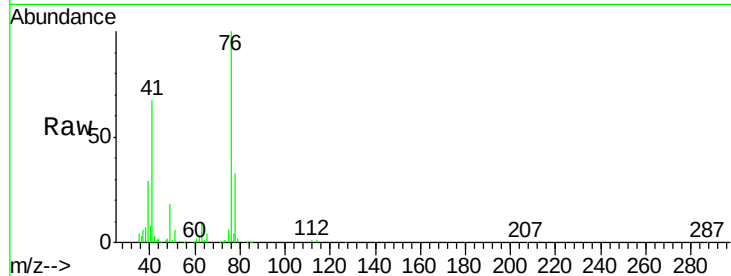
VSTDCCC050

Tot Ion: 76 Resp: 121810

Ion Ratio Lower Upper

76 100

78 33.2 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 280.412 ug/l

RT: 7.27 min Scan# 673

Delta R.T. -0.02 min

Lab File: VF061603.D

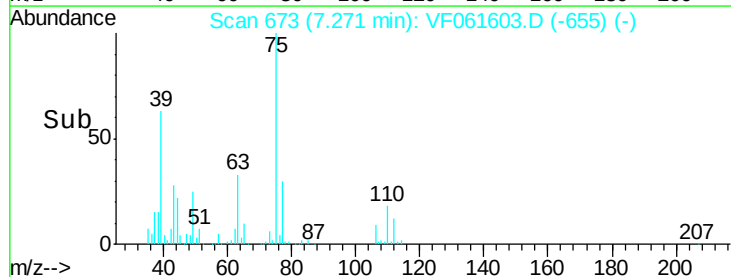
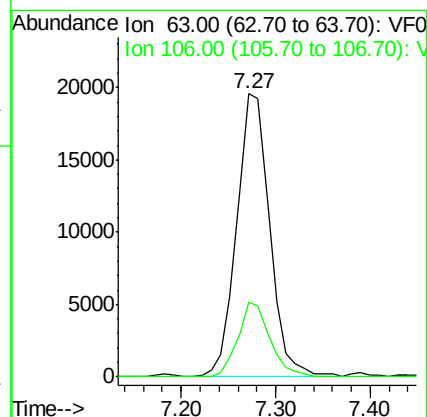
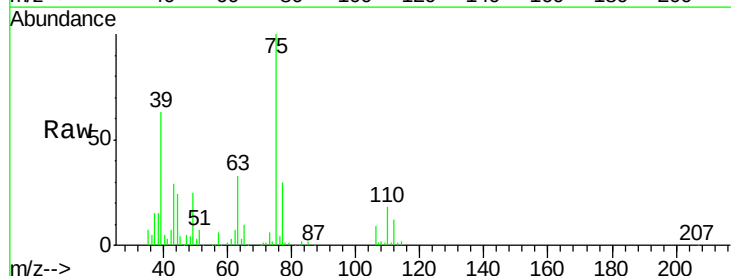
Acq: 12 Feb 2019 12:14

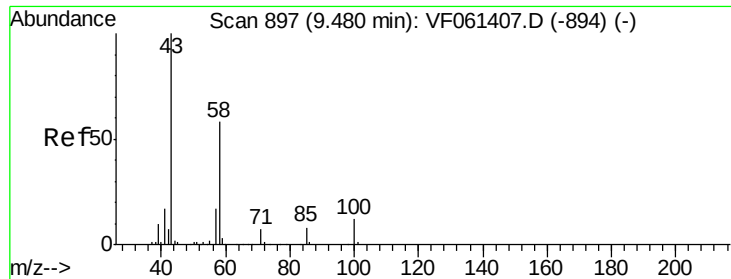
Tgt Ion: 63 Resp: 47379

Ion Ratio Lower Upper

63 100

106 26.5 21.9 32.9





#59

2-Hexanone

Concen: 256.904 ug/l

RT: 9.47 min Scan# 896

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

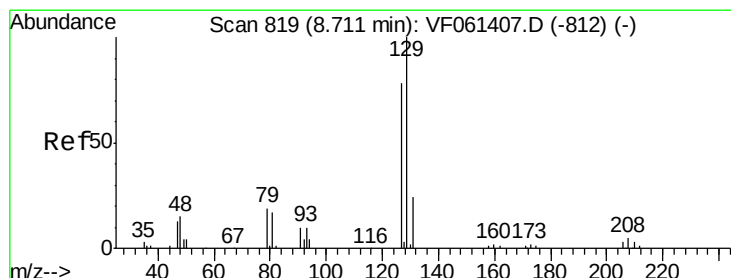
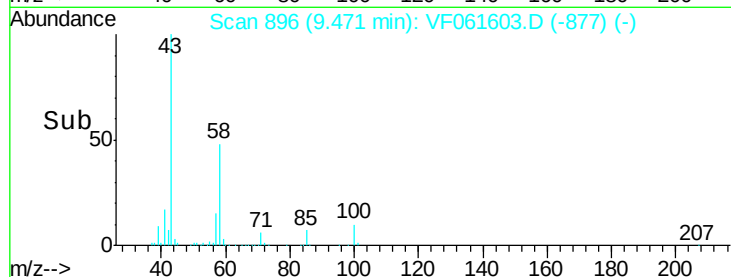
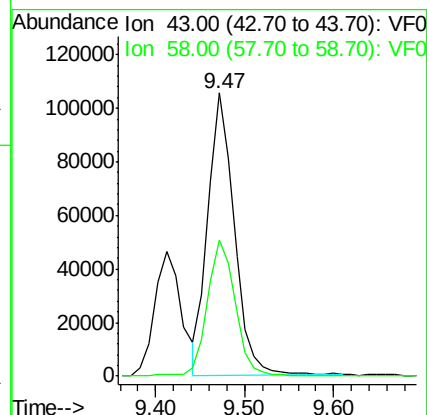
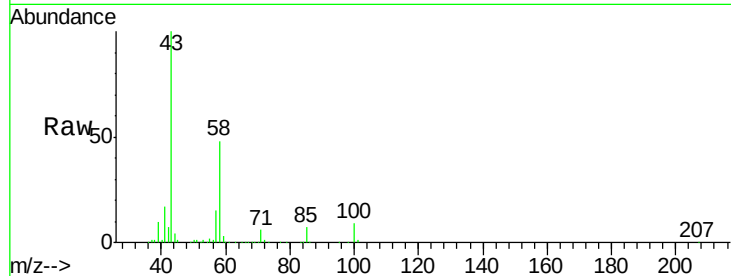
VSTDCCC050

Tot Ion: 43 Resp: 216994

Ion Ratio Lower Upper

43 100

58 47.9 25.9 77.6



#60

Dibromochloromethane

Concen: 49.989 ug/l

RT: 8.69 min Scan# 817

Delta R.T. -0.02 min

Lab File: VF061603.D

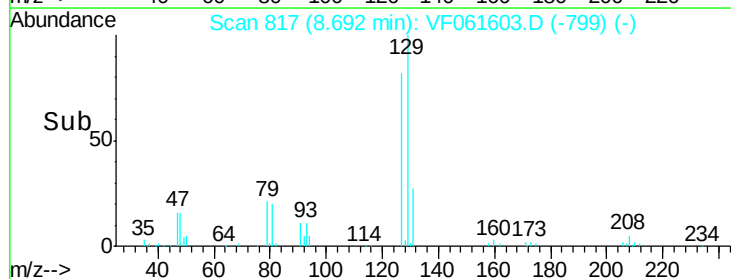
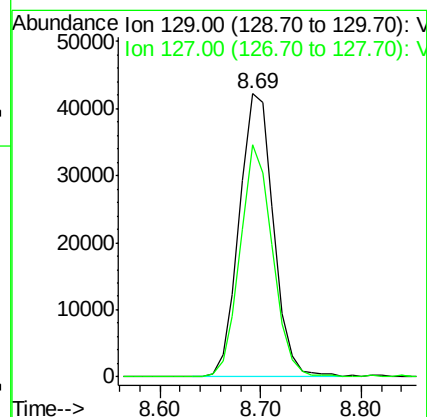
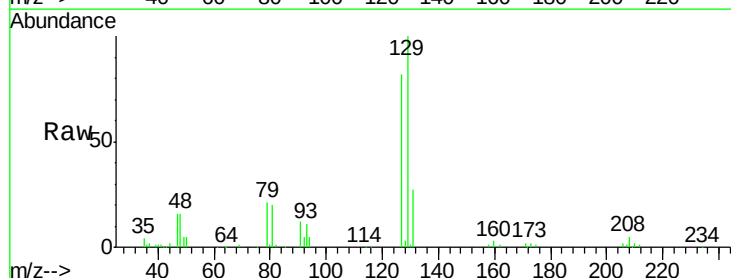
Acq: 12 Feb 2019 12:14

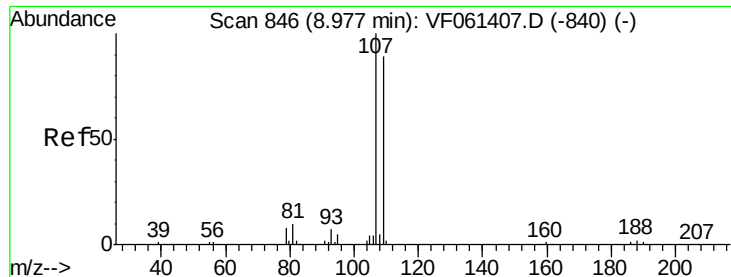
Tgt Ion: 129 Resp: 99874

Ion Ratio Lower Upper

129 100

127 82.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 47.135 ug/l

RT: 8.97 min Scan# 845

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

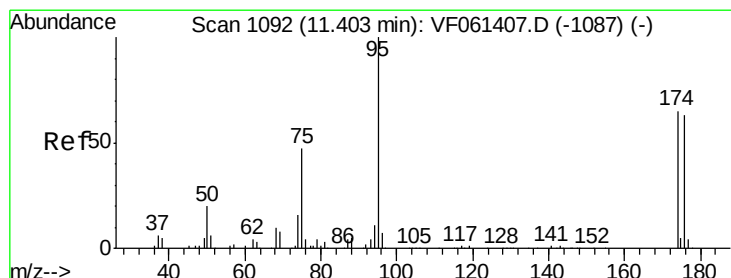
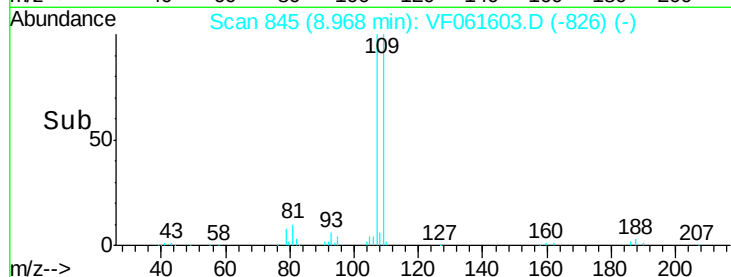
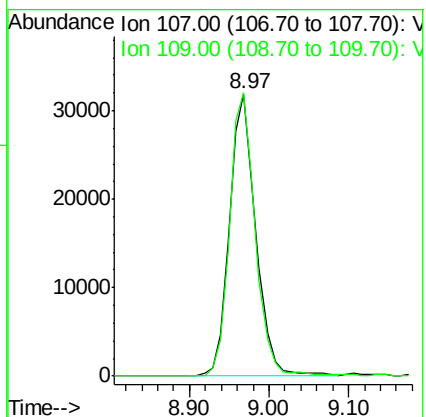
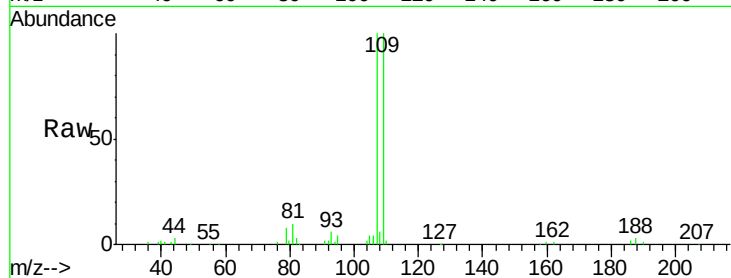
VSTDCCC050

Tot Ion:107 Resp: 73742

Ion Ratio Lower Upper

107 100

109 100.3 70.8 106.2



#62

4-Bromofluorobenzene

Concen: 44.171 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

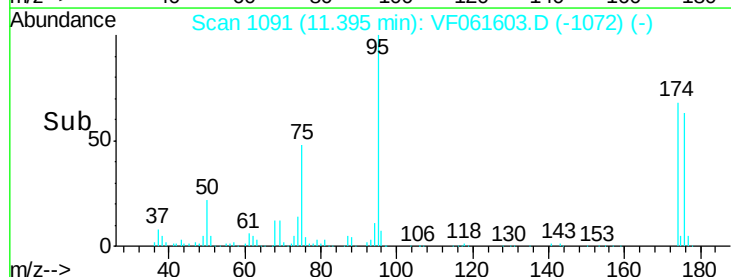
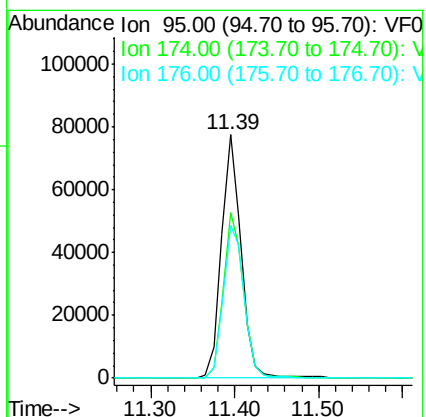
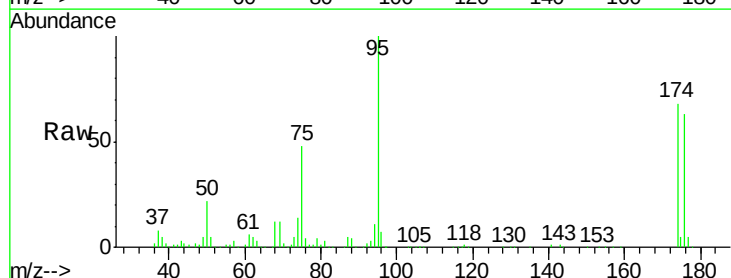
Tgt Ion: 95 Resp: 126382

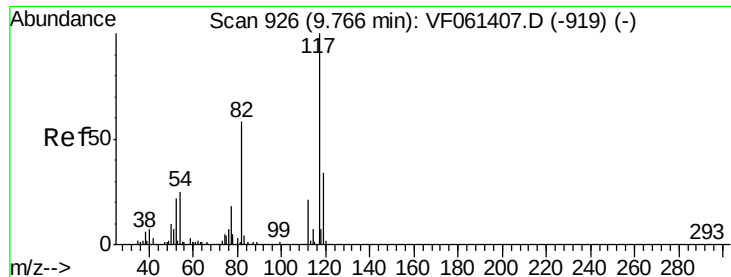
Ion Ratio Lower Upper

95 100

174 68.1 0.0 130.4

176 62.9 0.0 126.2

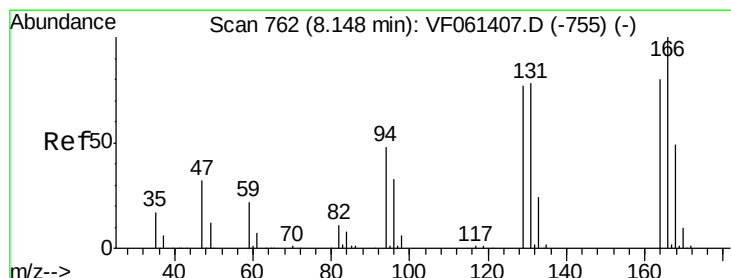
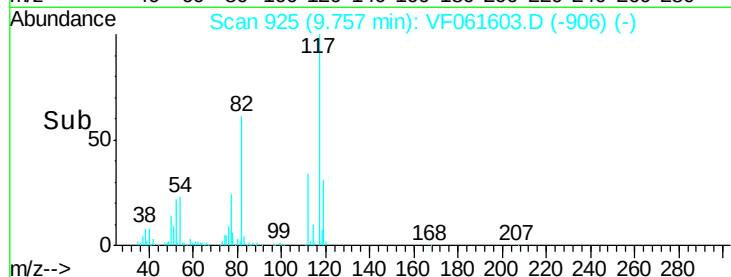
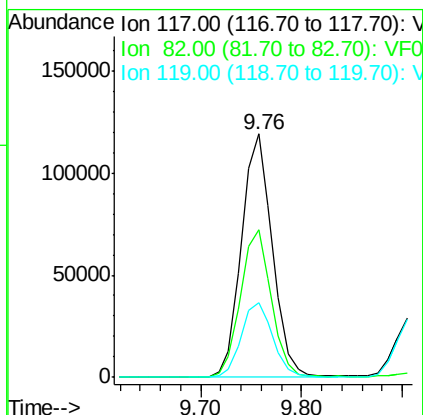
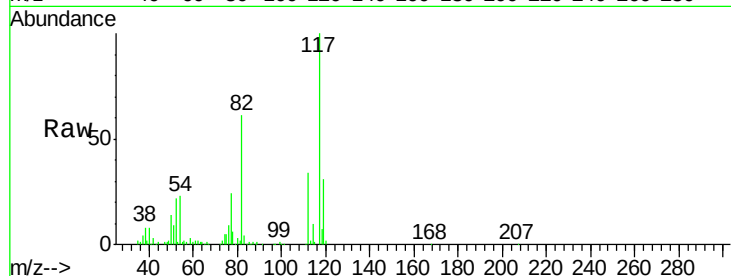




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 925
Delta R.T. -0.01 min
Lab File: VF061603.D
Acq: 12 Feb 2019 12:14

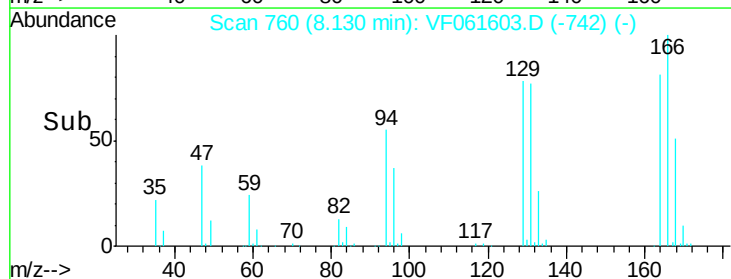
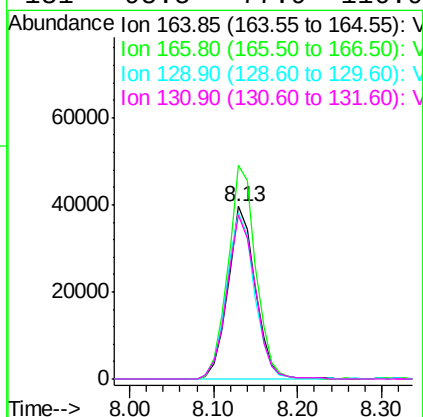
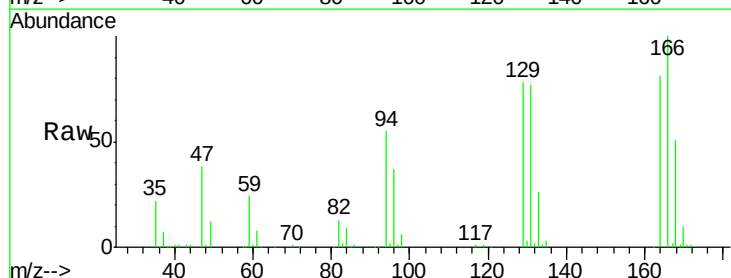
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

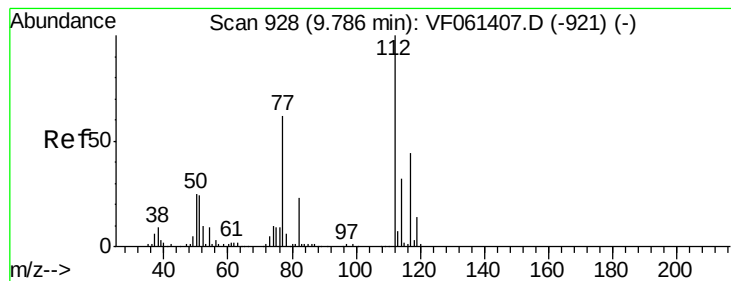
Tot Ion:117 Resp: 254834
Ion Ratio Lower Upper
117 100
82 60.6 46.4 69.6
119 30.6 27.2 40.8



#64
Tetrachloroethene
Concen: 46.693 ug/l
RT: 8.13 min Scan# 760
Delta R.T. -0.02 min
Lab File: VF061603.D
Acq: 12 Feb 2019 12:14

Tgt Ion:164 Resp: 89481
Ion Ratio Lower Upper
164 100
166 124.0 99.6 149.4
129 96.9 76.4 114.6
131 95.5 77.9 116.9





#65

Chlorobenzene

Concen: 50.590 ug/l

RT: 9.78 min Scan# 927

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

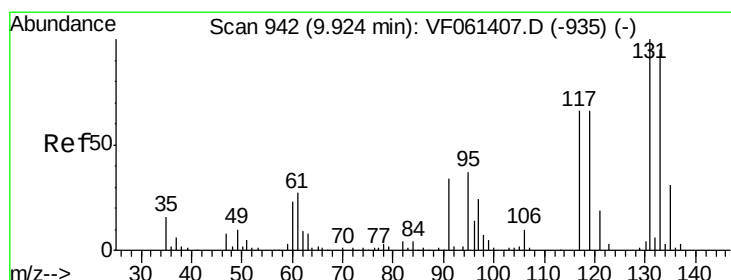
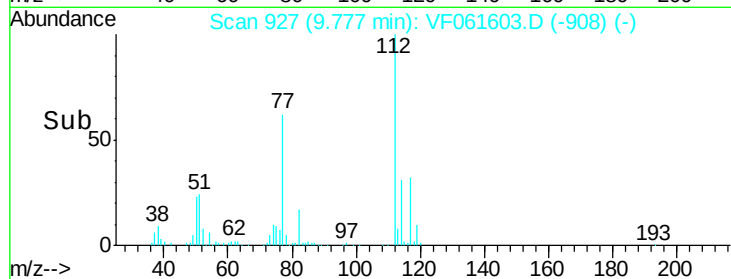
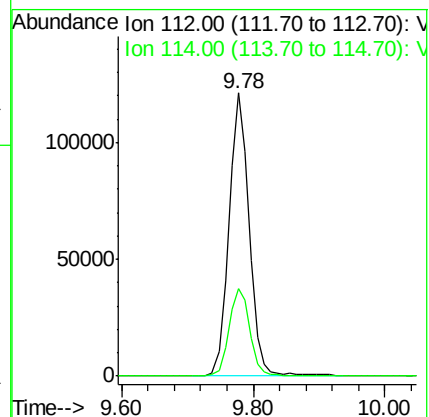
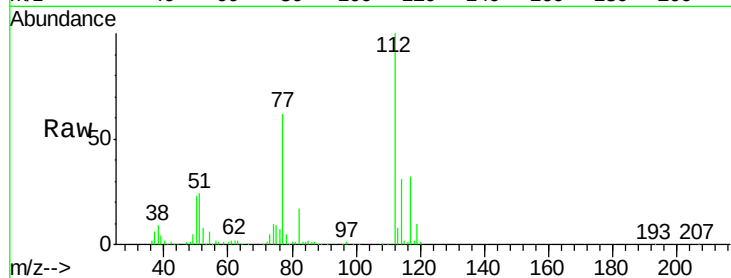
VSTDCCC050

Tot Ion:112 Resp: 262166

Ion Ratio Lower Upper

112 100

114 31.0 25.4 38.0



#66

1,1,1,2-Tetrachloroethane

Concen: 51.509 ug/l

RT: 9.92 min Scan# 941

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

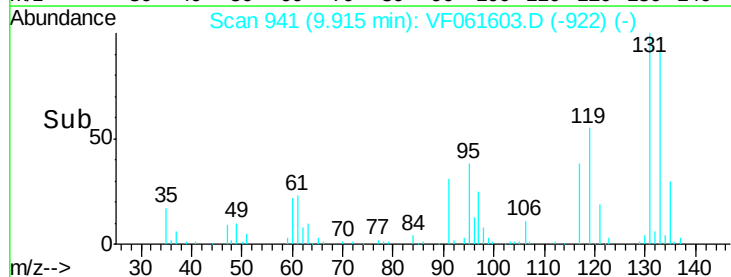
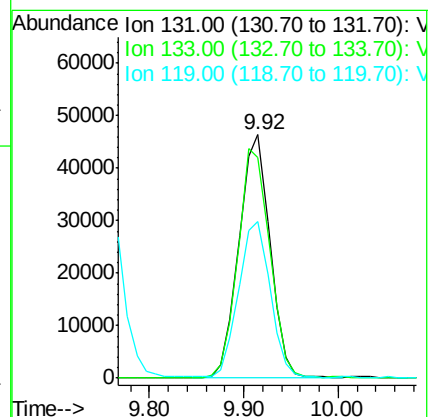
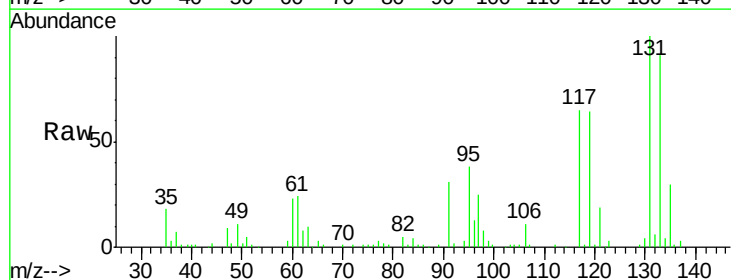
Tgt Ion:131 Resp: 106337

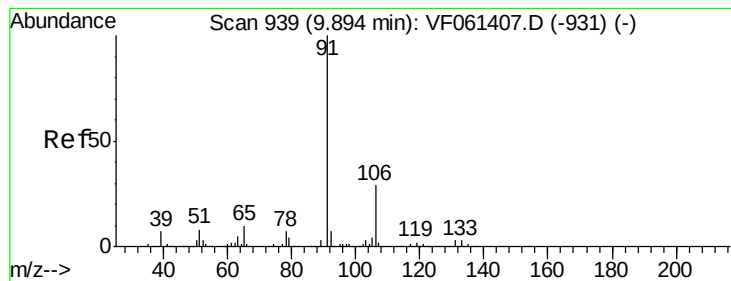
Ion Ratio Lower Upper

131 100

133 90.5 47.4 142.2

119 64.3 33.1 99.3





#67

Ethyl Benzene

Concen: 49.180 ug/l

RT: 9.88 min Scan# 937

Delta R.T. -0.02 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

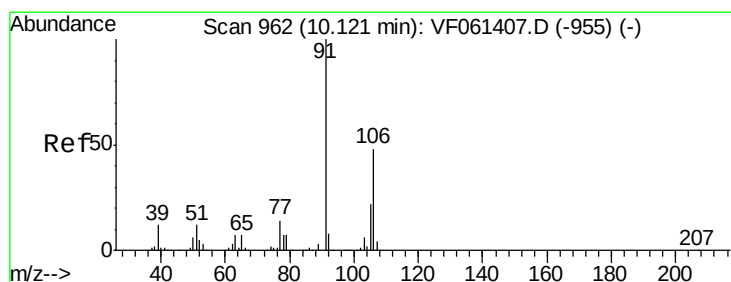
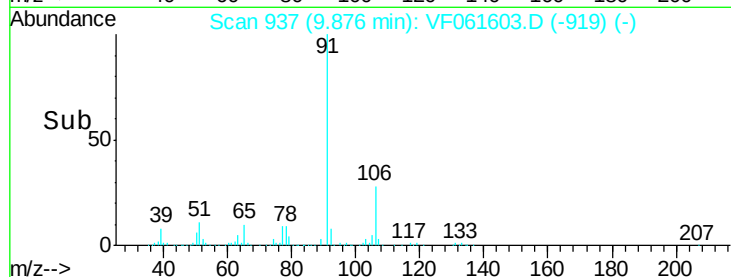
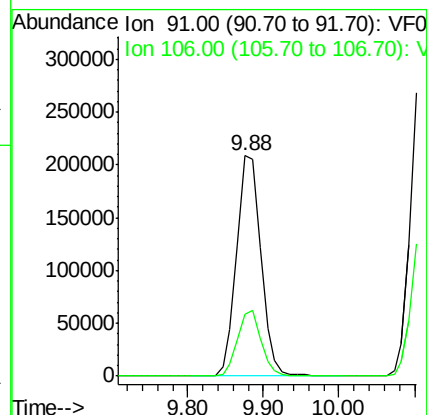
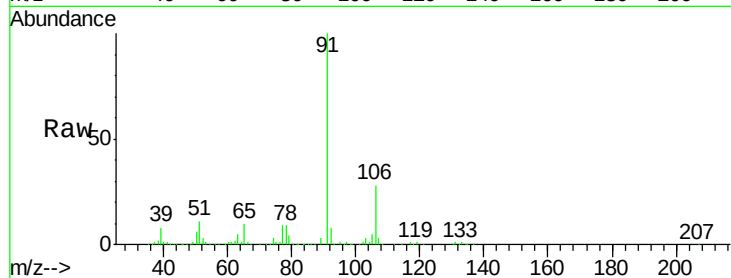
VSTDCCC050

Tot Ion: 91 Resp: 465647

Ion Ratio Lower Upper

91 100

106 28.0 23.1 34.7



#68

m/p-Xylenes

Concen: 94.822 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.01 min

Lab File: VF061603.D

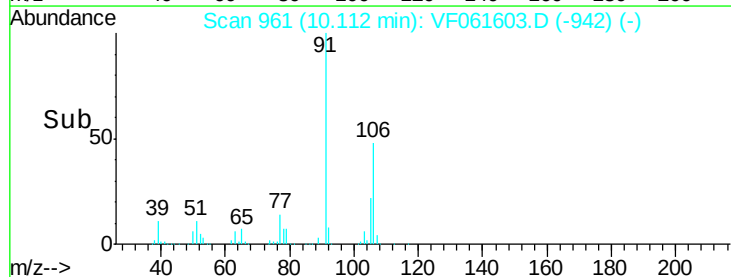
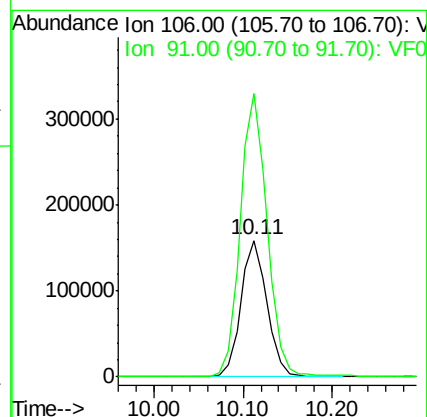
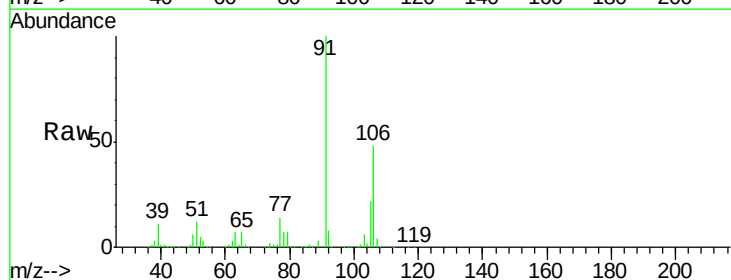
Acq: 12 Feb 2019 12:14

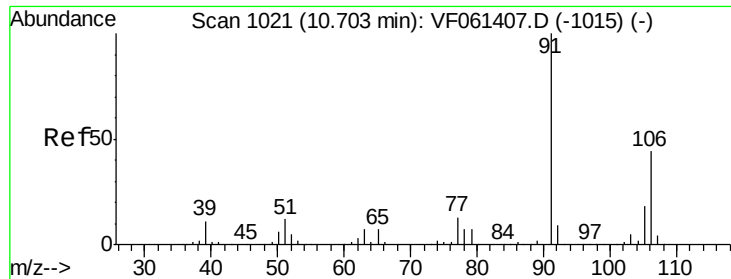
Tgt Ion: 106 Resp: 322907

Ion Ratio Lower Upper

106 100

91 207.5 166.2 249.4

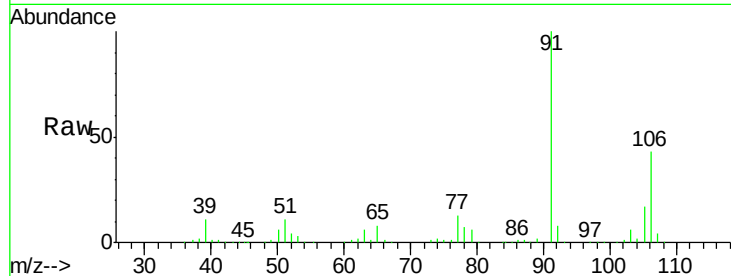




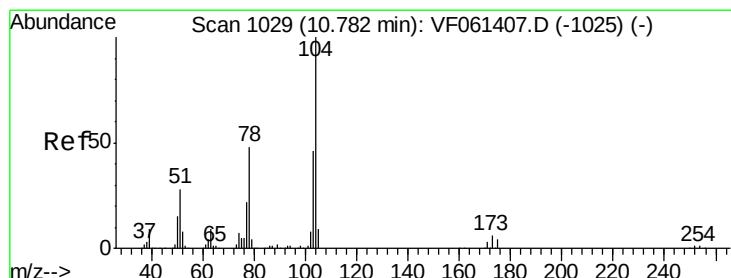
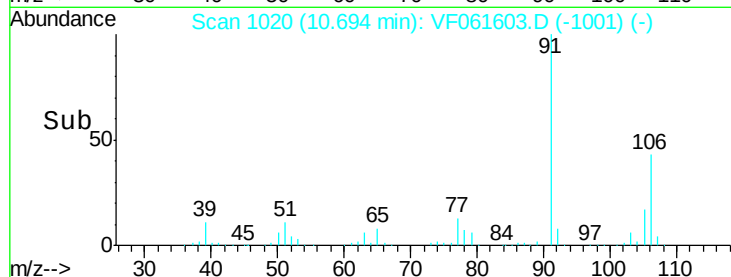
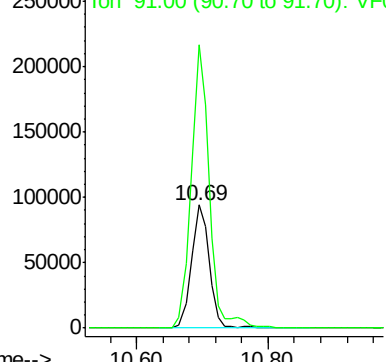
#69
o-Xylene
Concen: 48.667 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VF061603.D
Acq: 12 Feb 2019 12:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 179623
Ion Ratio Lower Upper
106 100
91 230.4 113.3 339.8

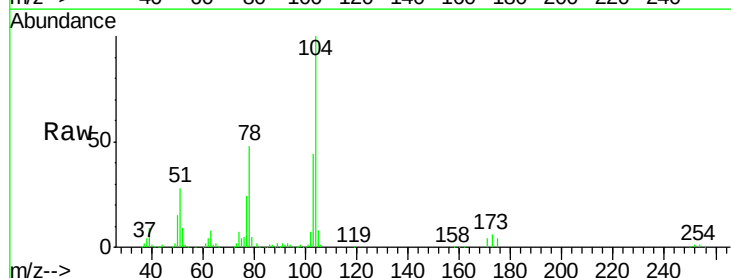


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

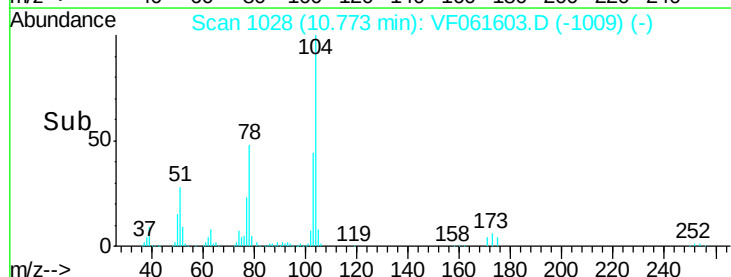
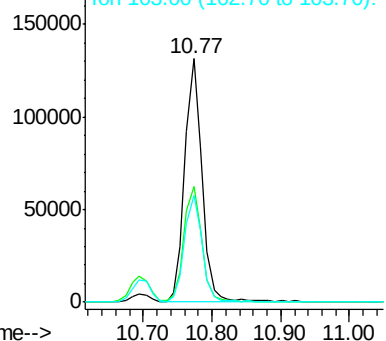


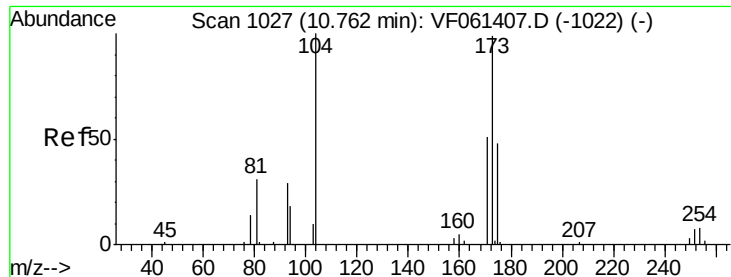
#70
Styrene
Concen: 45.025 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VF061603.D
Acq: 12 Feb 2019 12:14

Tgt Ion:104 Resp: 227475
Ion Ratio Lower Upper
104 100
78 47.6 38.8 58.2
103 43.8 37.0 55.6



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





#71

Bromoform

Concen: 50.609 ug/l

RT: 10.75 min Scan# 1026

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

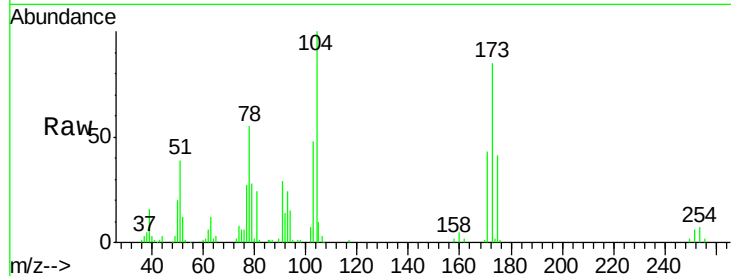
Tot Ion:173 Resp: 46943

Ion Ratio Lower Upper

173 100

175 49.2 24.1 72.4

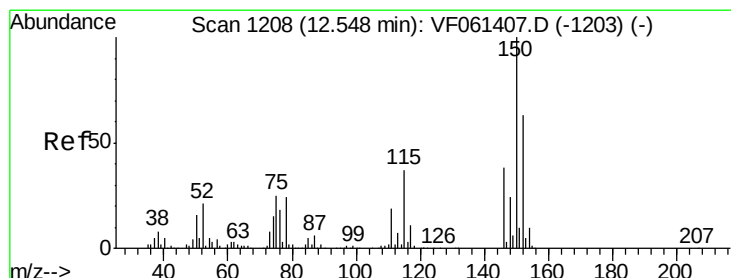
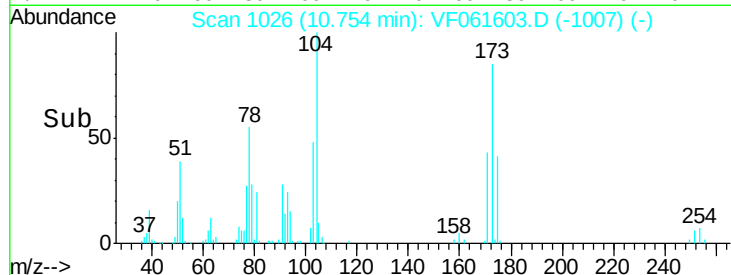
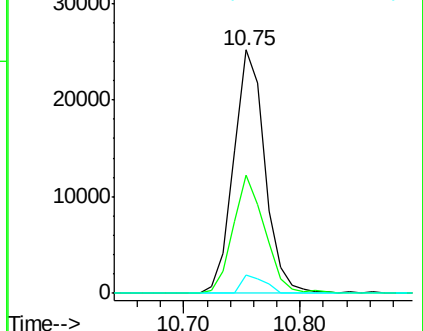
254 7.8 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

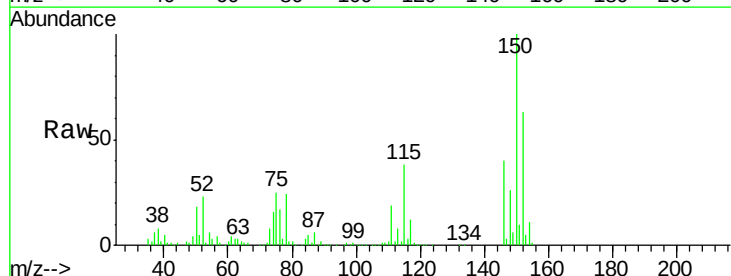
Tgt Ion:152 Resp: 126081

Ion Ratio Lower Upper

152 100

115 59.4 30.0 90.0

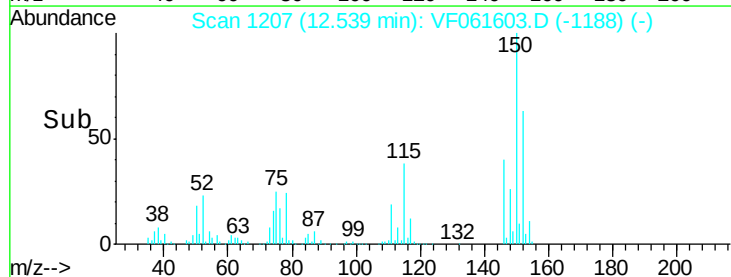
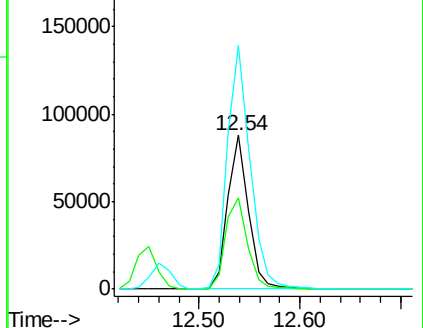
150 158.2 0.0 321.4

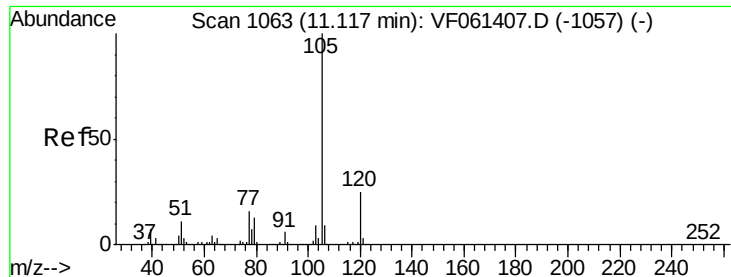


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 52.271 ug/l

RT: 11.11 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

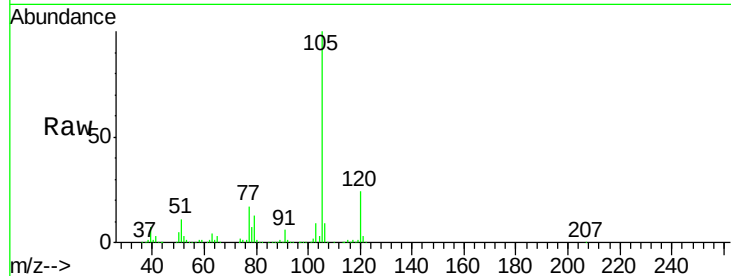
VSTDCCC050

Tot Ion:105 Resp: 536009

Ion Ratio Lower Upper

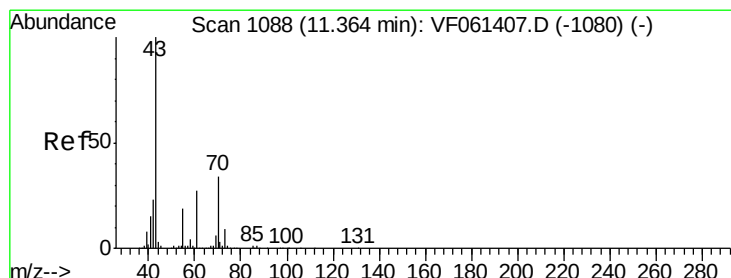
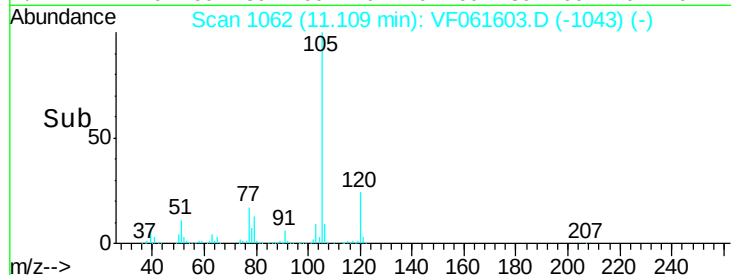
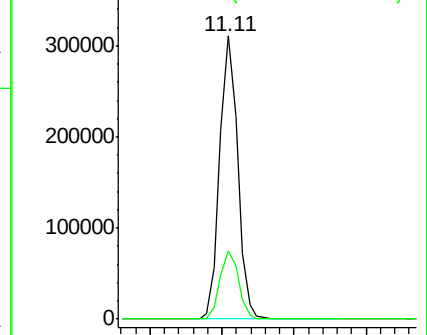
105 100

120 24.3 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.278 ug/l

RT: 11.36 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Tgt Ion: 43 Resp: 124338

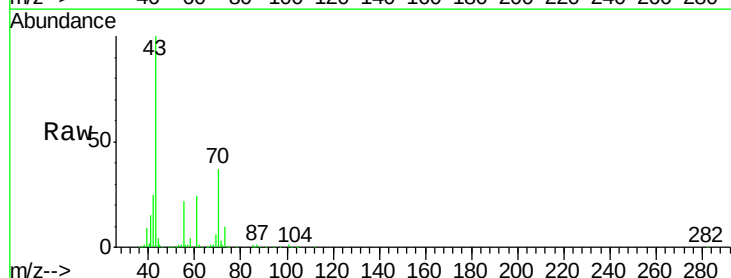
Ion Ratio Lower Upper

43 100

70 36.8 27.6 41.4

55 22.2 15.4 23.2

61 24.2 21.8 32.6

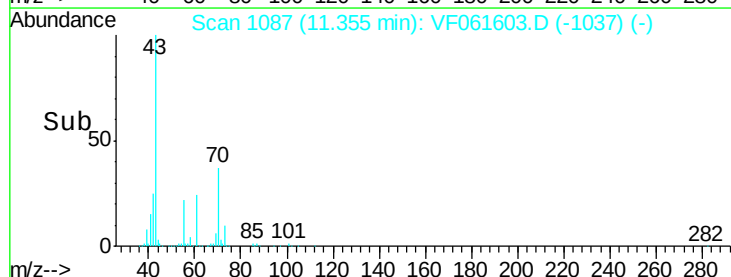
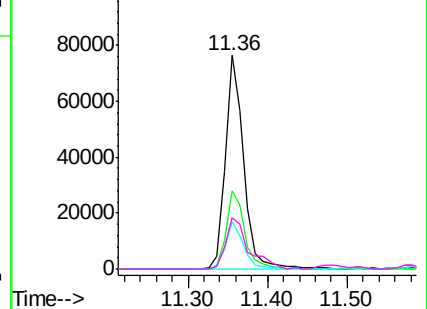


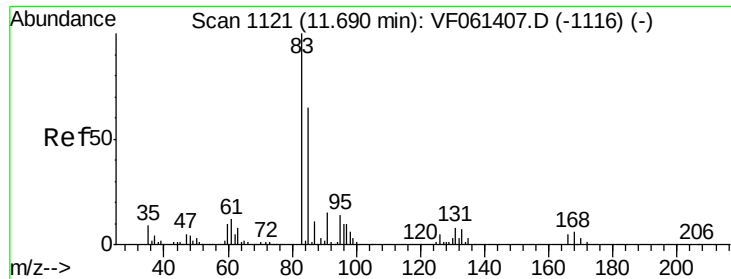
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.940 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

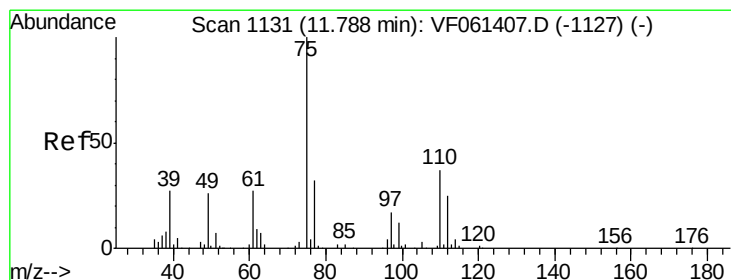
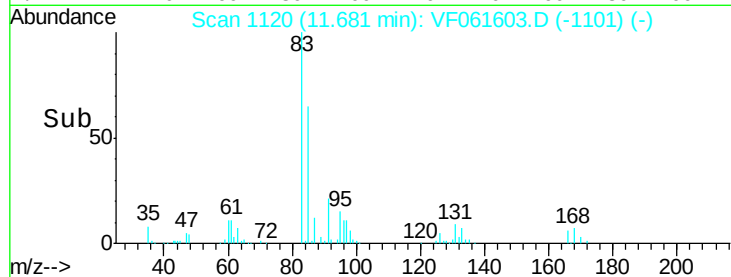
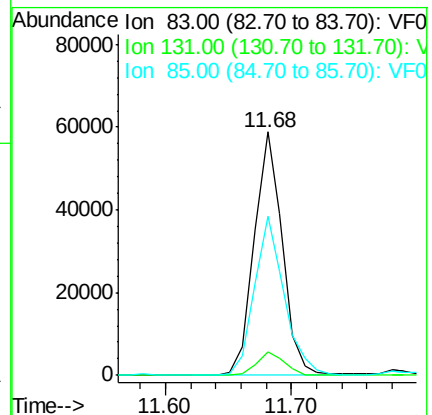
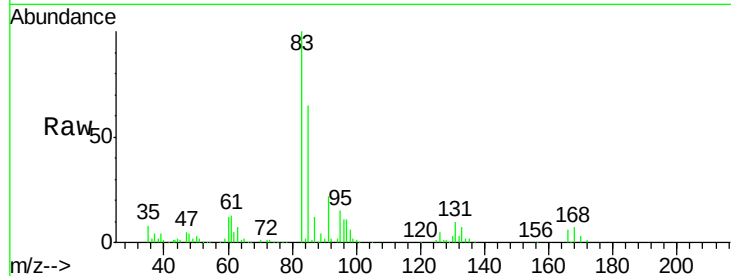
Tot Ion: 83 Resp: 91230

Ion Ratio Lower Upper

83 100

131 9.5 4.0 12.2

85 65.3 32.7 98.1



#76

1,2,3-Trichloropropane

Concen: 49.454 ug/l

RT: 11.78 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF061603.D

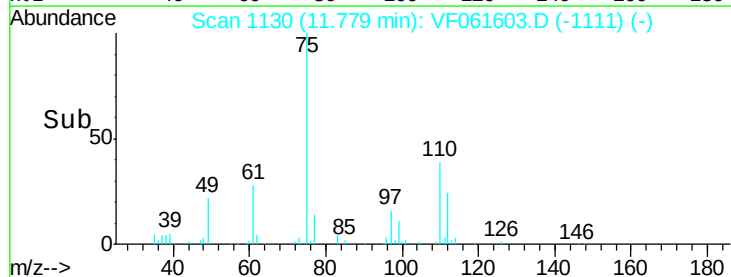
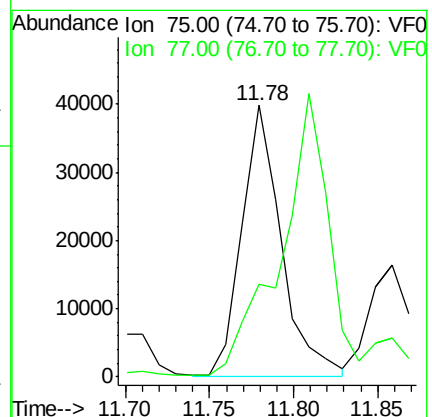
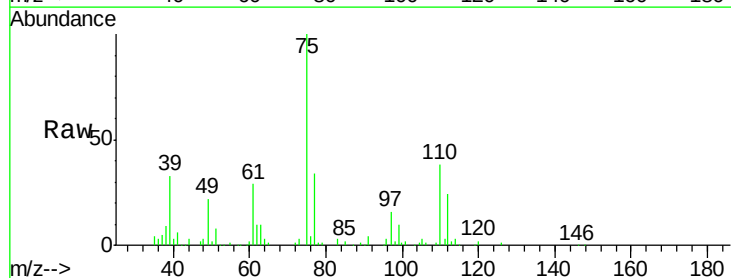
Acq: 12 Feb 2019 12:14

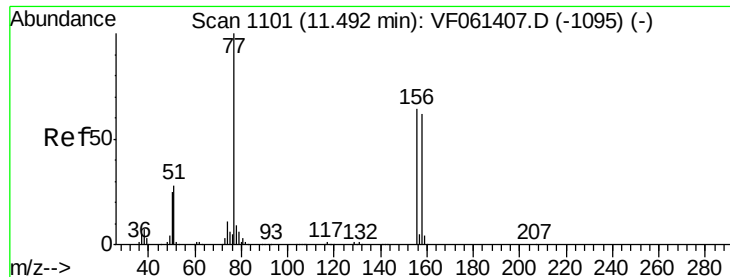
Tgt Ion: 75 Resp: 64915

Ion Ratio Lower Upper

75 100

77 34.3 16.1 48.3





#77

Bromobenzene

Concen: 50.351 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

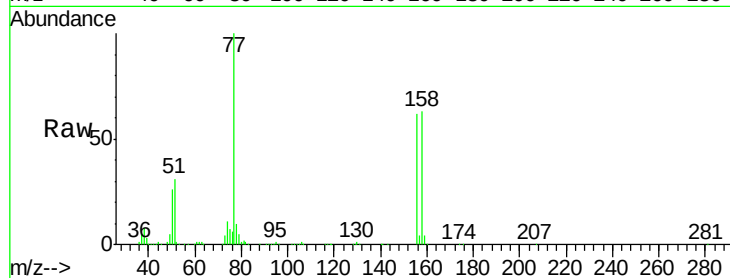
Tot Ion:156 Resp: 109043

Ion Ratio Lower Upper

156 100

77 160.3 78.3 234.9

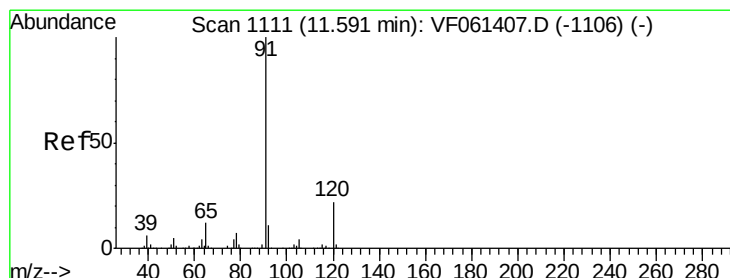
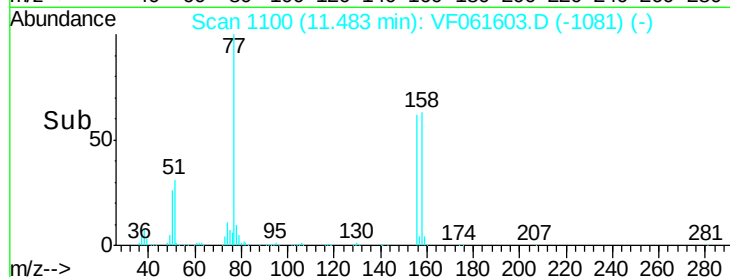
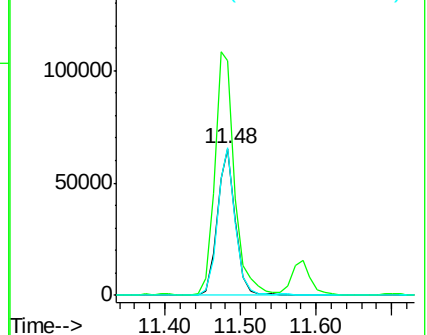
158 100.8 48.9 146.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 47.650 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VF061603.D

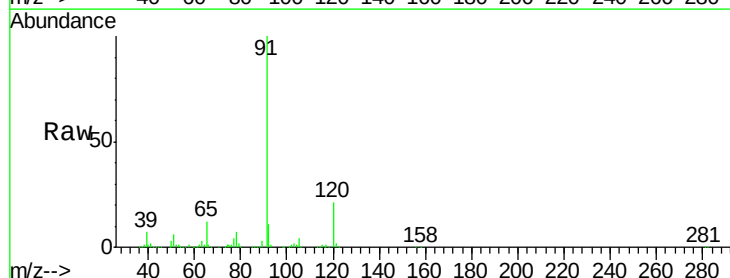
Acq: 12 Feb 2019 12:14

Tgt Ion: 91 Resp: 598581

Ion Ratio Lower Upper

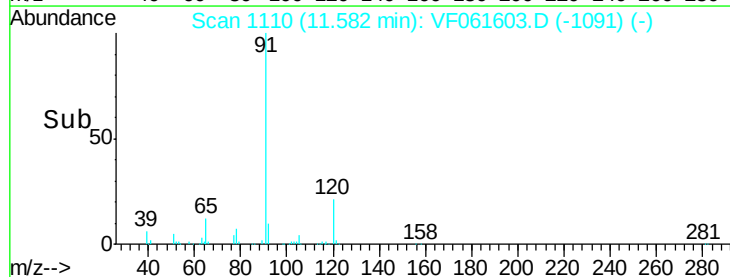
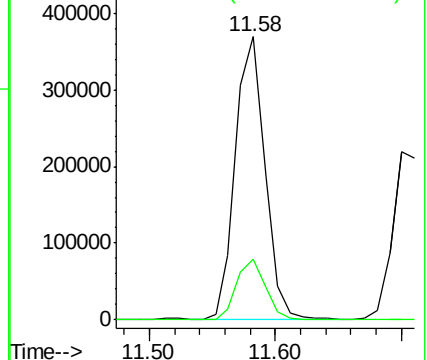
91 100

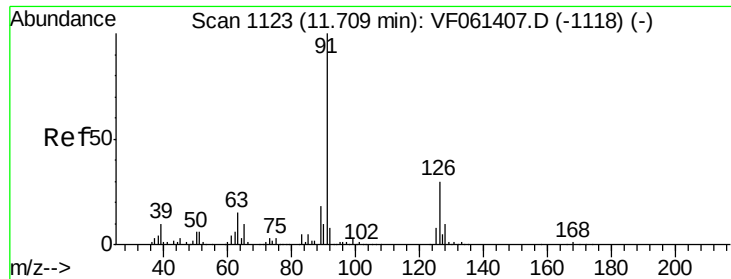
120 21.4 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

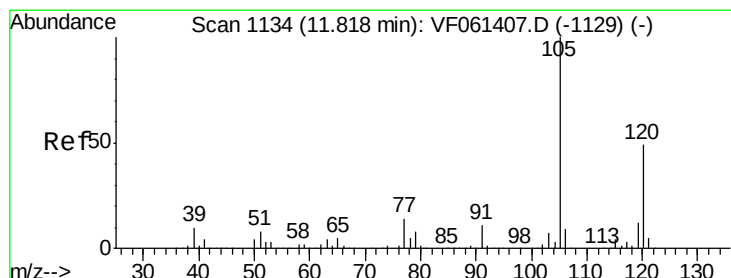
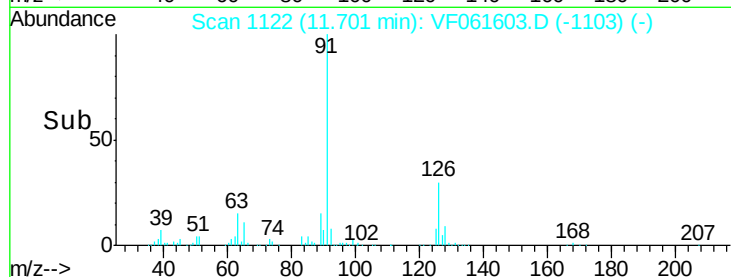
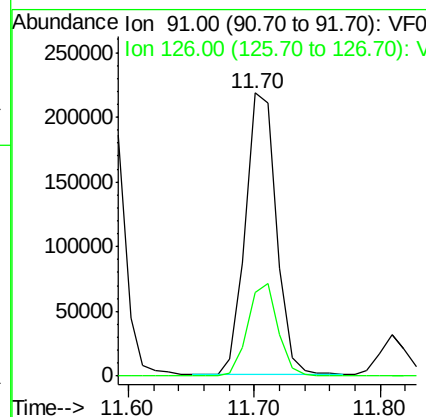
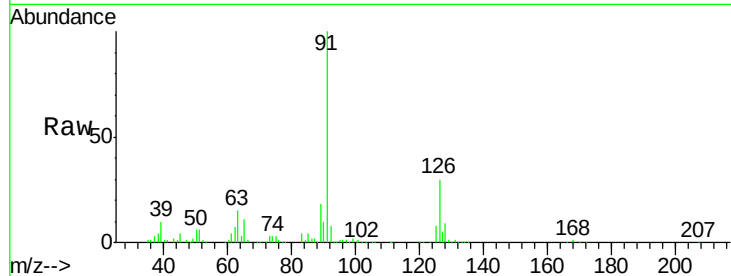




#79
2-Chlorotoluene
Concen: 52.023 ug/l
RT: 11.70 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VF061603.D
Acq: 12 Feb 2019 12:14

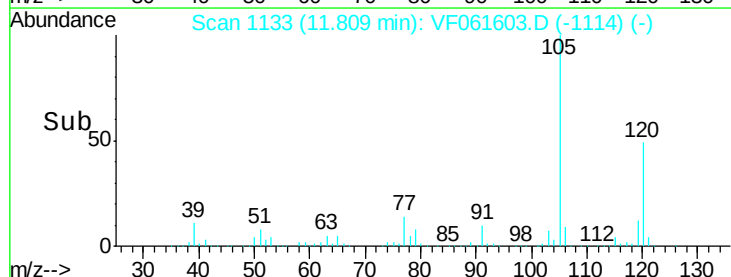
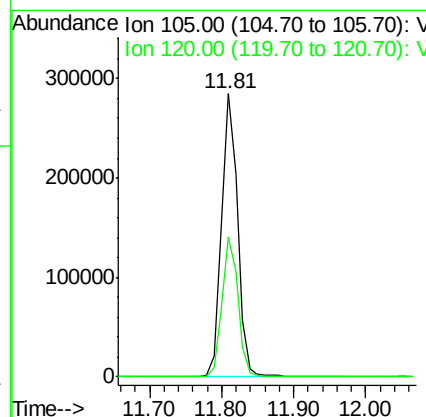
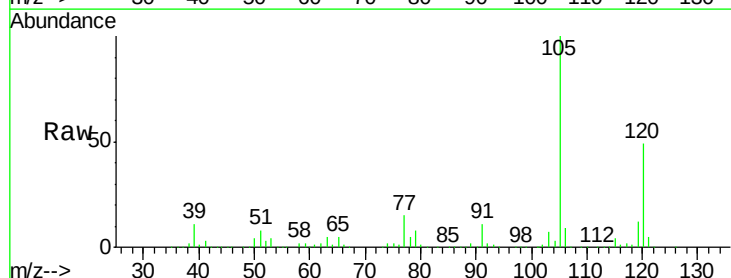
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

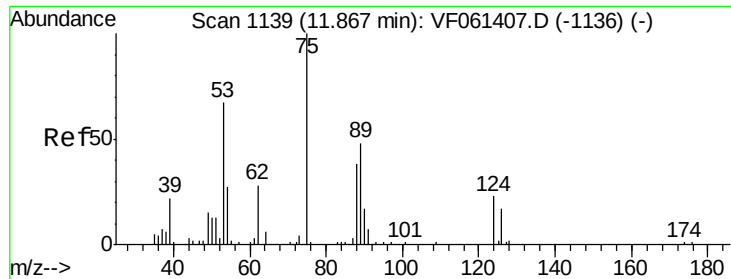
Tot Ion: 91 Resp: 370137
Ion Ratio Lower Upper
91 100
126 29.8 15.0 45.1



#80
1,3,5-Trimethylbenzene
Concen: 52.066 ug/l
RT: 11.81 min Scan# 1133
Delta R.T. -0.01 min
Lab File: VF061603.D
Acq: 12 Feb 2019 12:14

Tgt Ion: 105 Resp: 430869
Ion Ratio Lower Upper
105 100
120 49.4 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 52.310 ug/l m

RT: 11.86 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

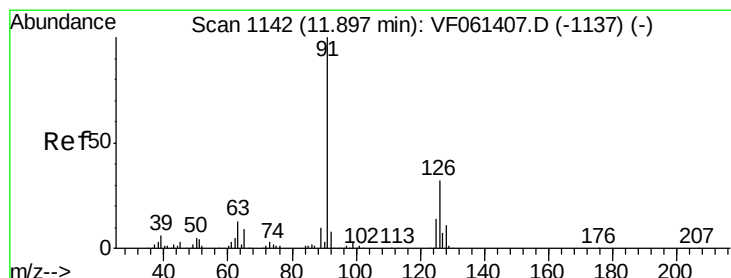
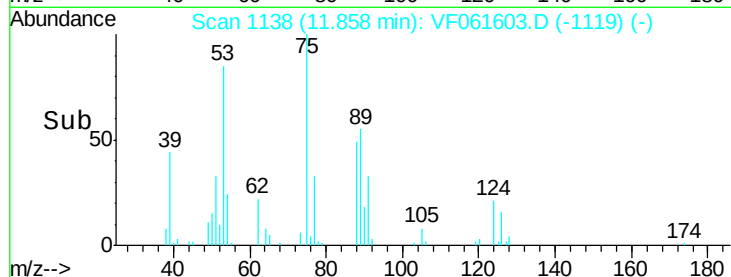
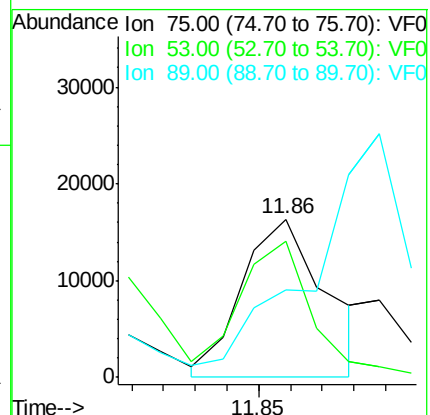
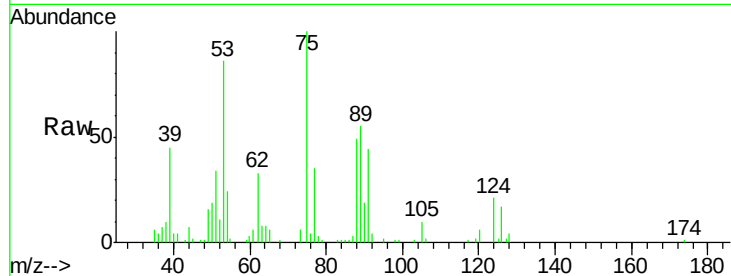
Tot Ion: 75 Resp: 29849

Ion Ratio Lower Upper

75 100

53 86.3 57.8 86.6

89 55.4 40.7 61.1



#82

4-Chlorotoluene

Concen: 49.083 ug/l

RT: 11.89 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF061603.D

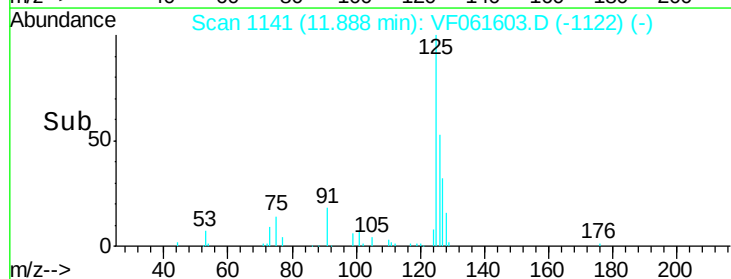
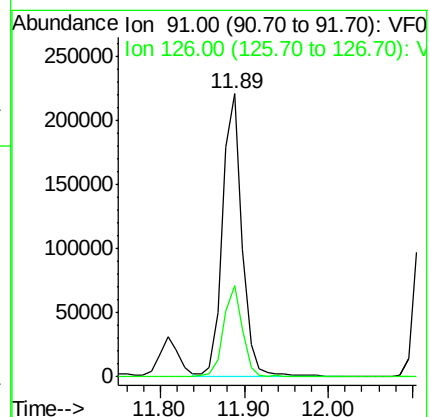
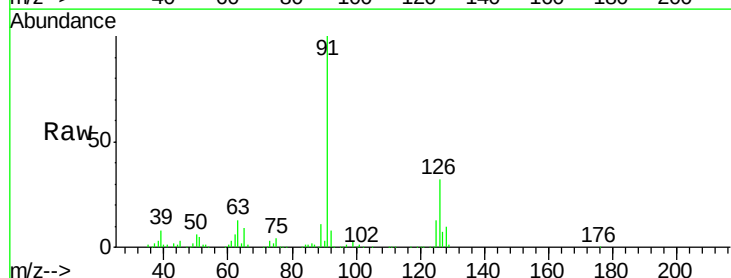
Acq: 12 Feb 2019 12:14

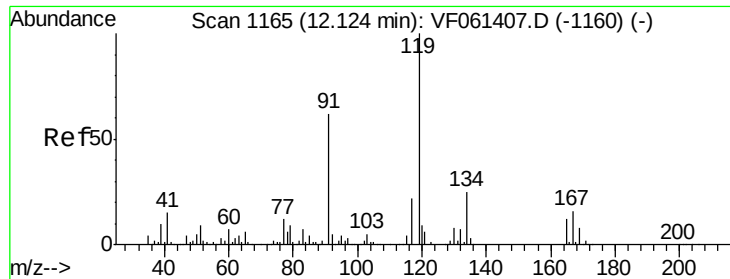
Tgt Ion: 91 Resp: 352399

Ion Ratio Lower Upper

91 100

126 32.4 16.0 47.9

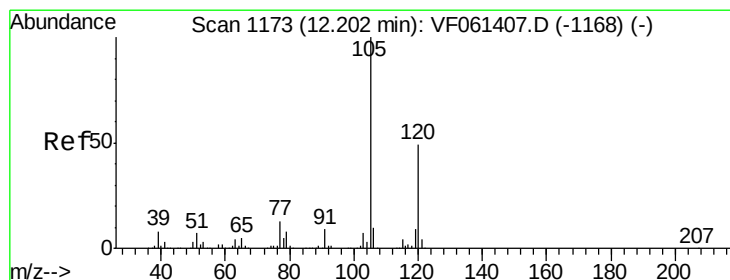
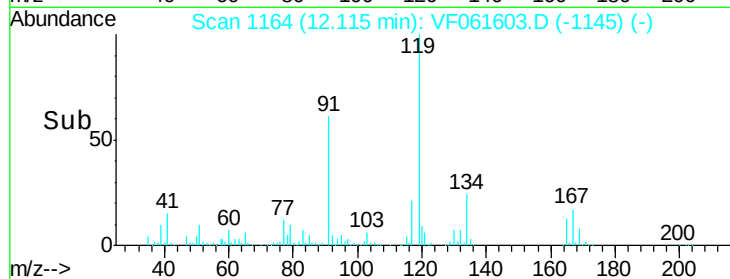
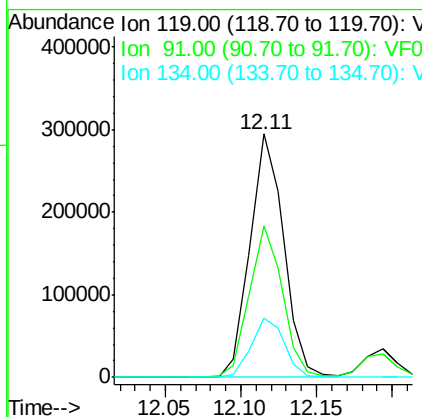
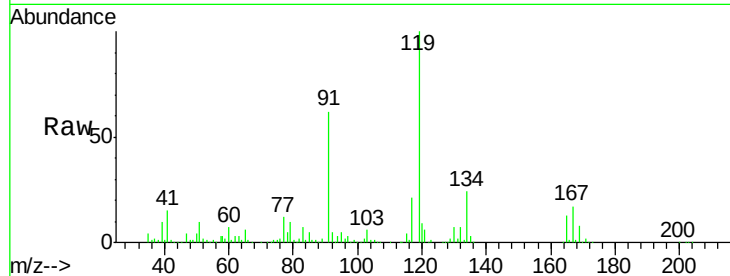




#83
 tert-Butylbenzene
 Concen: 53.603 ug/l
 RT: 12.11 min Scan# 1164
 Delta R.T. -0.01 min
 Lab File: VF061603.D
 Acq: 12 Feb 2019 12:14

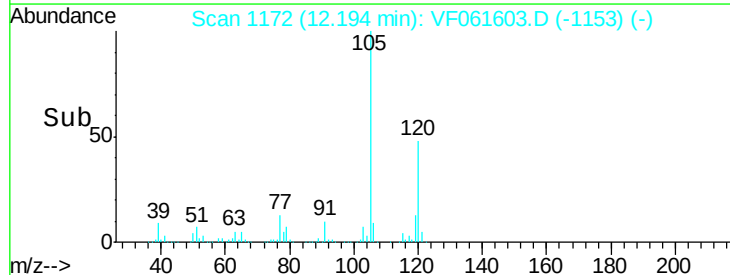
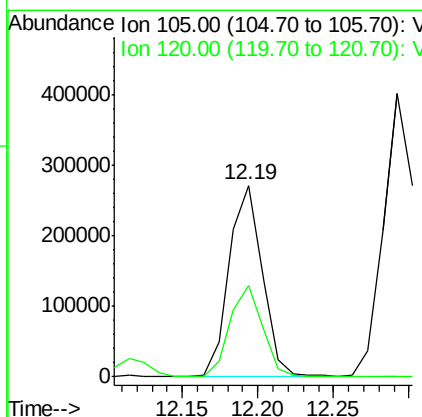
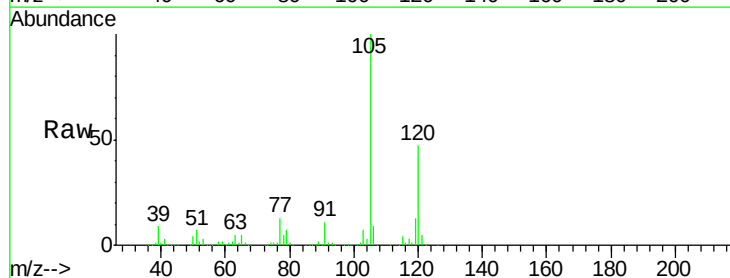
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

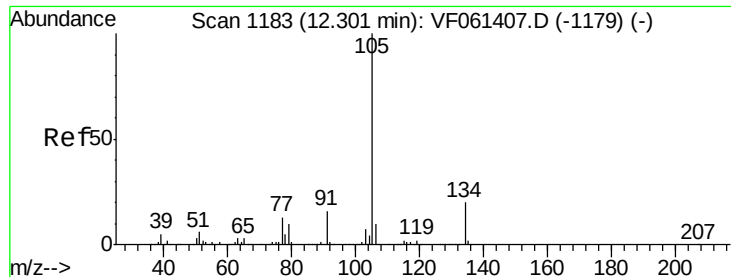
Tot Ion:119 Resp: 459129
 Ion Ratio Lower Upper
 119 100
 91 62.1 31.3 93.8
 134 24.5 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 48.723 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: VF061603.D
 Acq: 12 Feb 2019 12:14

Tgt Ion:105 Resp: 415326
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.9 74.6





#85

sec-Butylbenzene

Concen: 50.818 ug/l

RT: 12.29 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

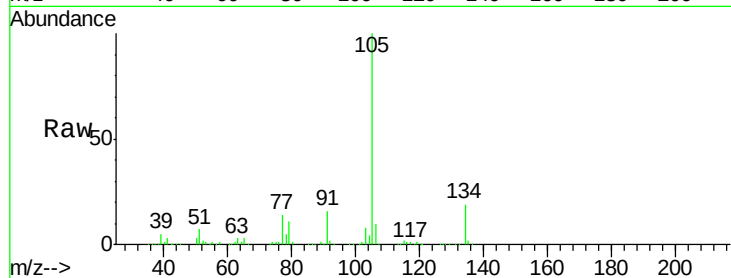
VSTDCCC050

Tot Ion:105 Resp: 591106

Ion Ratio Lower Upper

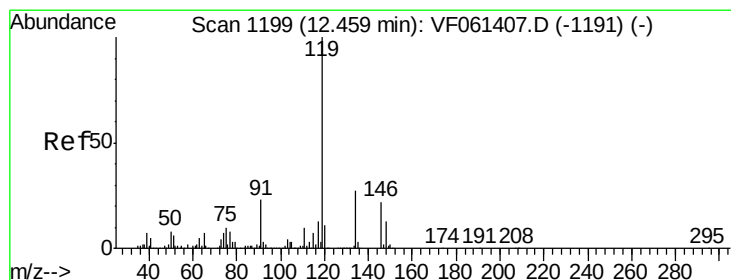
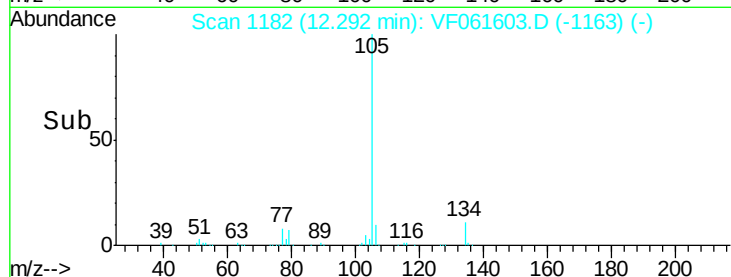
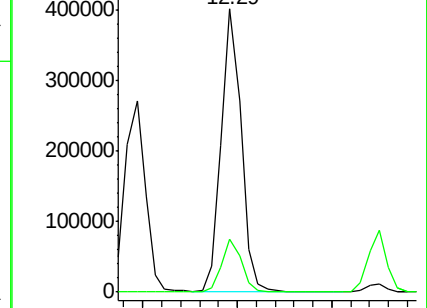
105 100

134 18.7 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.868 ug/l

RT: 12.45 min Scan# 1198

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

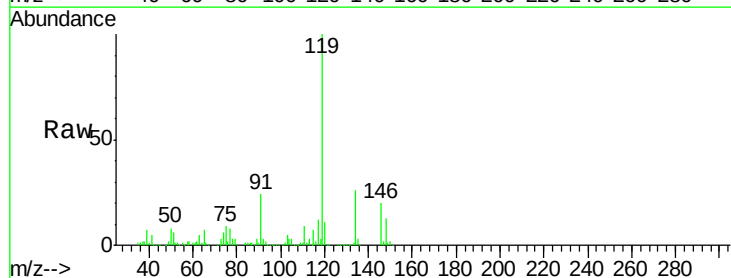
Tgt Ion:119 Resp: 495263

Ion Ratio Lower Upper

119 100

134 25.7 13.4 40.2

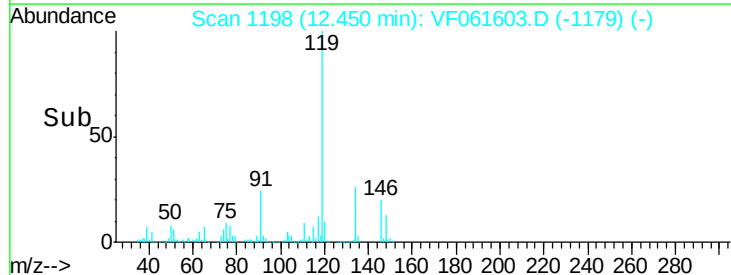
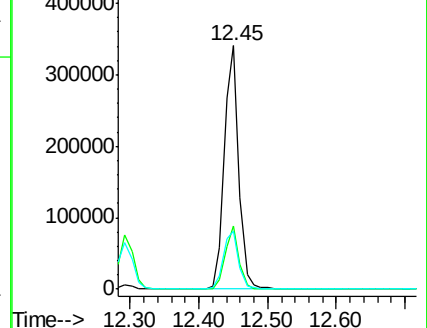
91 23.8 11.4 34.2

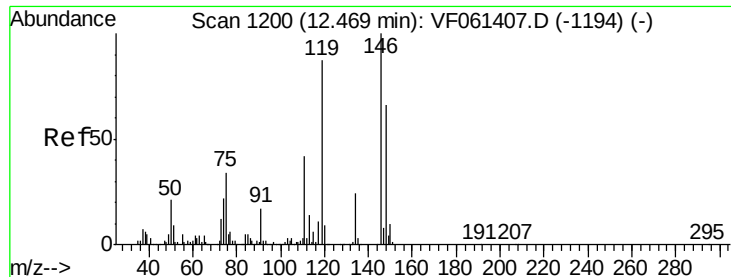


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 48.300 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

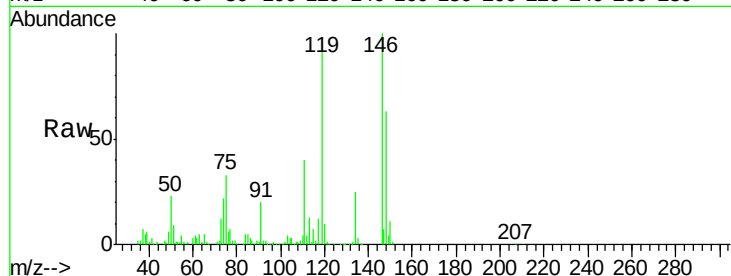
Tot Ion:146 Resp: 208704

Ion Ratio Lower Upper

146 100

111 40.1 21.1 63.4

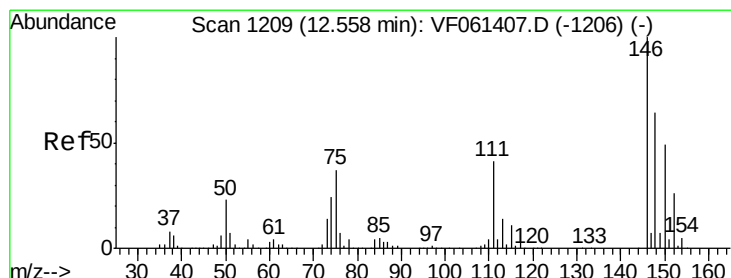
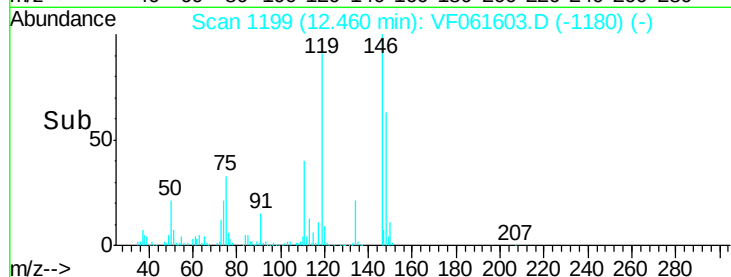
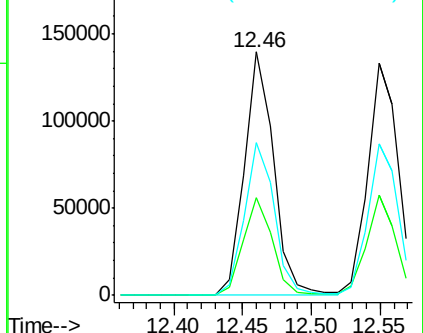
148 62.9 32.9 98.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 51.215 ug/l

RT: 12.55 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

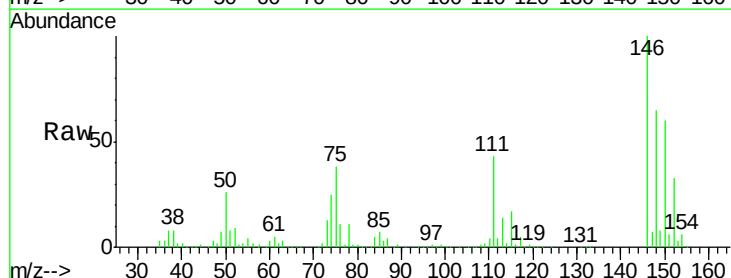
Tgt Ion:146 Resp: 209588

Ion Ratio Lower Upper

146 100

111 43.1 20.8 62.2

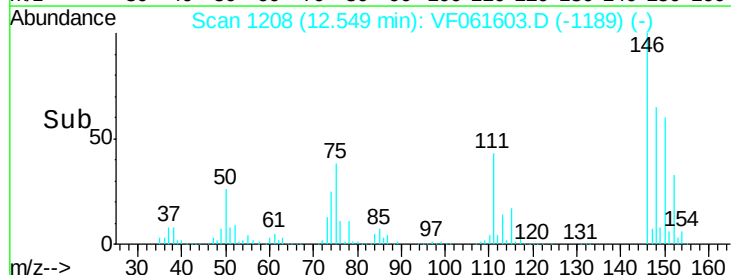
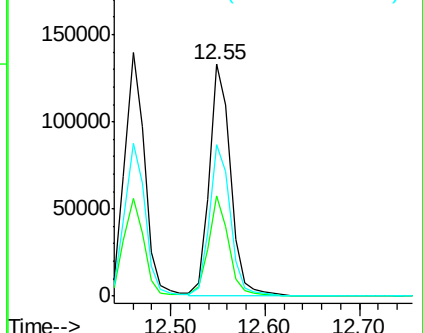
148 65.1 32.1 96.5

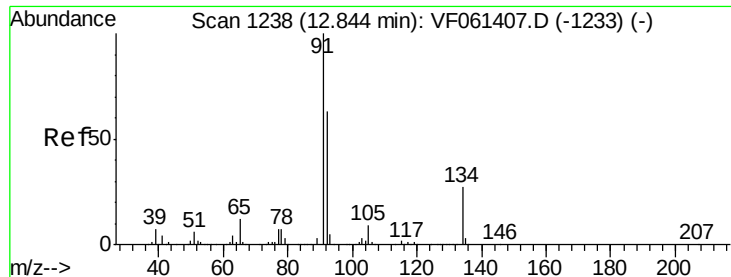


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

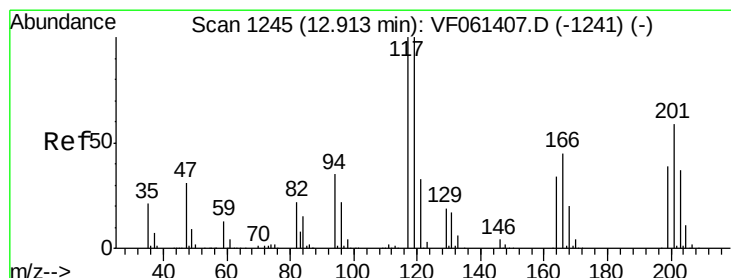
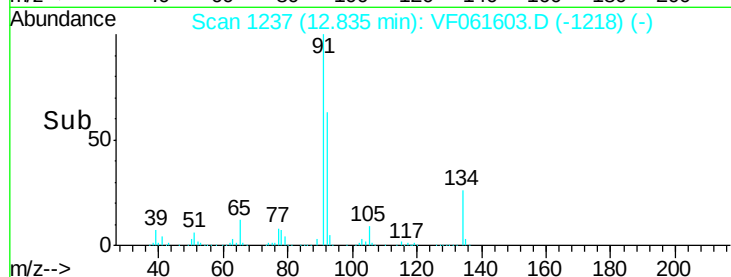
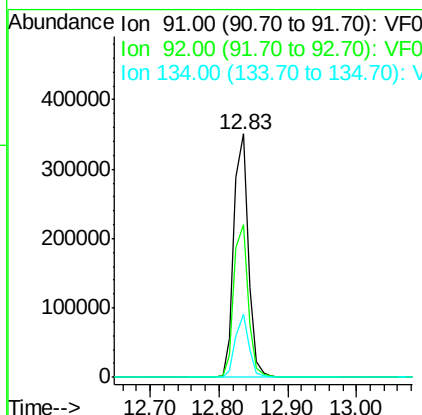
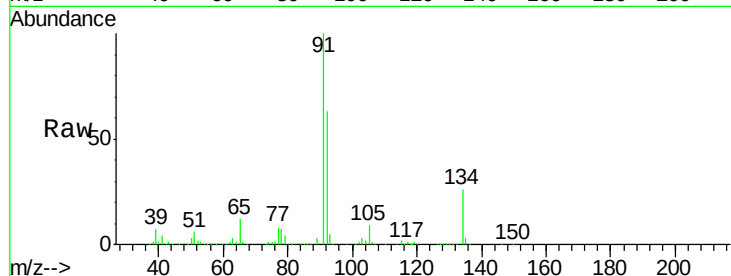




#89
n-Butylbenzene
Concen: 52.021 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF061603.D
Acq: 12 Feb 2019 12:14

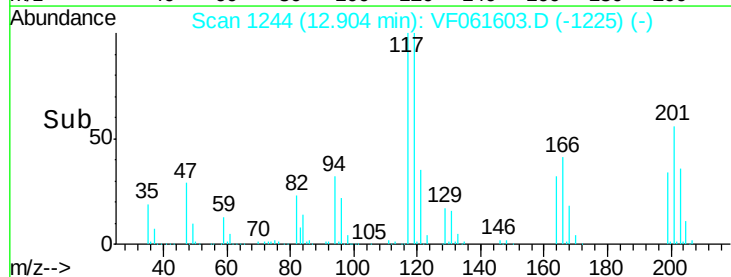
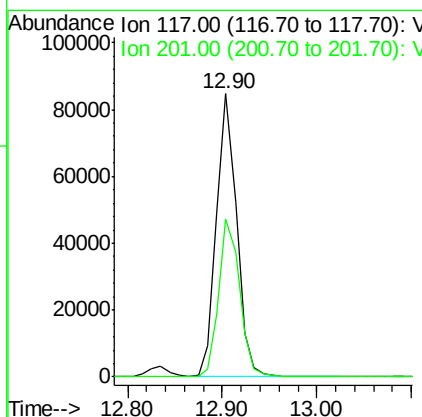
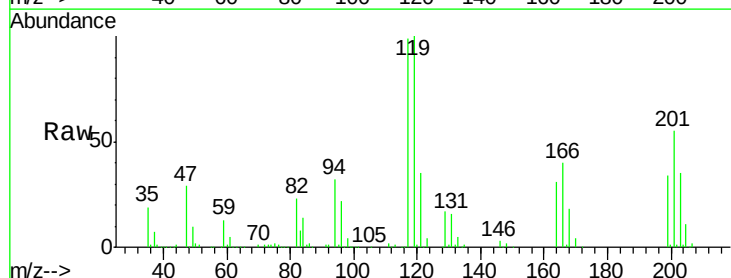
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

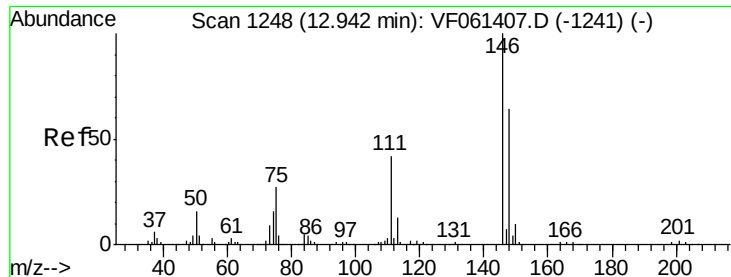
Tot Ion: 91 Resp: 512276
Ion Ratio Lower Upper
91 100
92 62.9 31.6 94.7
134 26.0 13.6 40.8



#90
Hexachloroethane
Concen: 56.293 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VF061603.D
Acq: 12 Feb 2019 12:14

Tgt Ion: 117 Resp: 126705
Ion Ratio Lower Upper
117 100
201 55.8 29.3 87.8

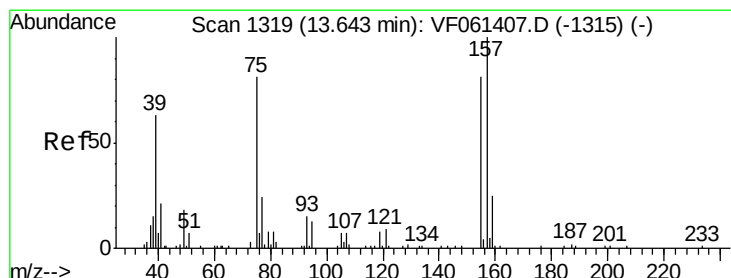
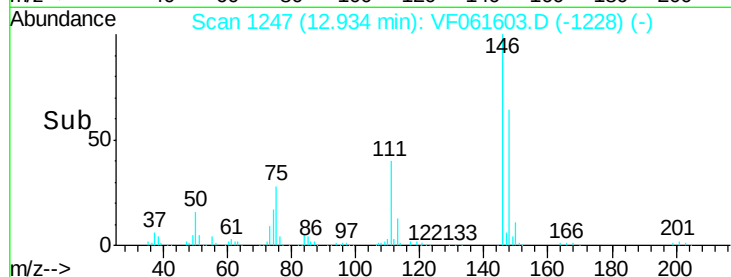
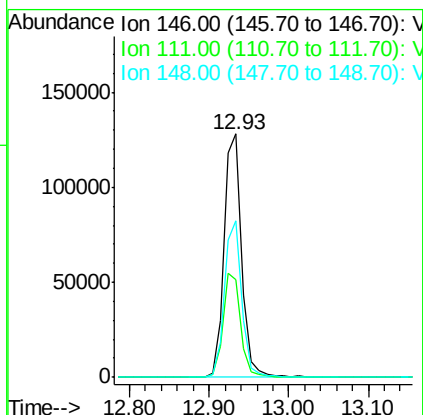
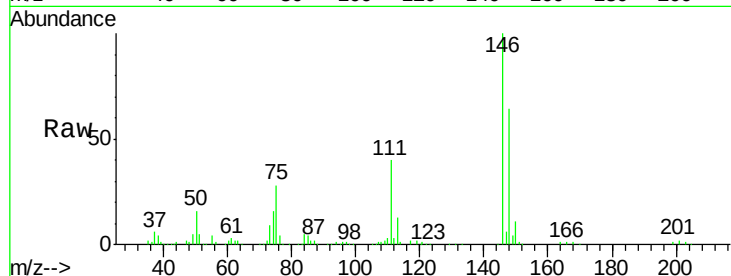




#91
 1,2-Dichlorobenzene
 Concen: 49.611 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: VF061603.D
 Acq: 12 Feb 2019 12:14

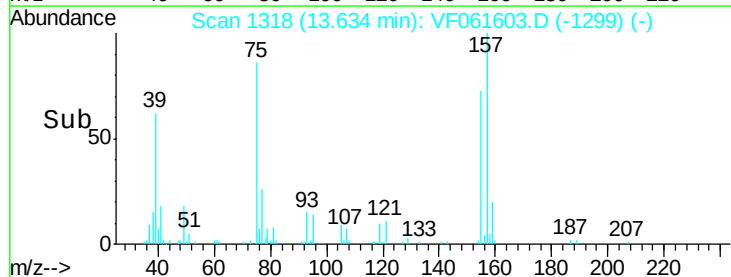
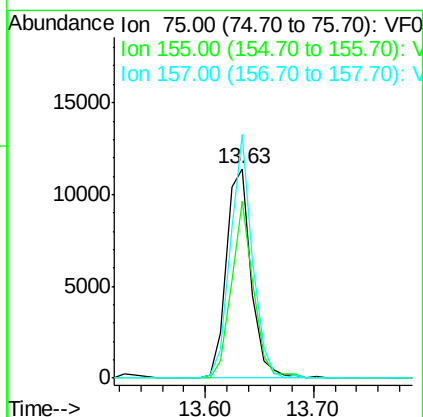
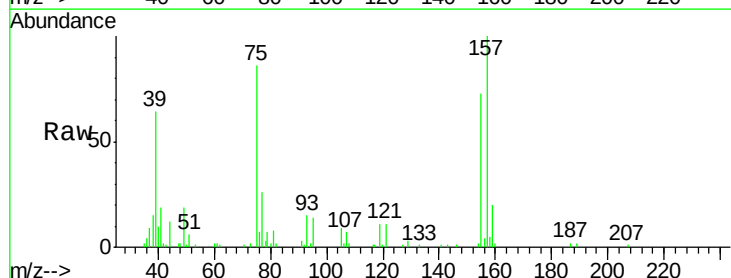
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

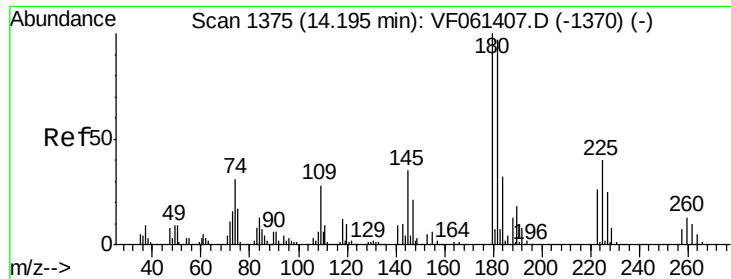
Tot Ion:146 Resp: 200984
 Ion Ratio Lower Upper
 146 100
 111 40.3 21.1 63.3
 148 64.2 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.133 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VF061603.D
 Acq: 12 Feb 2019 12:14

Tgt Ion: 75 Resp: 18188
 Ion Ratio Lower Upper
 75 100
 155 84.6 49.7 149.1
 157 116.3 61.4 184.1

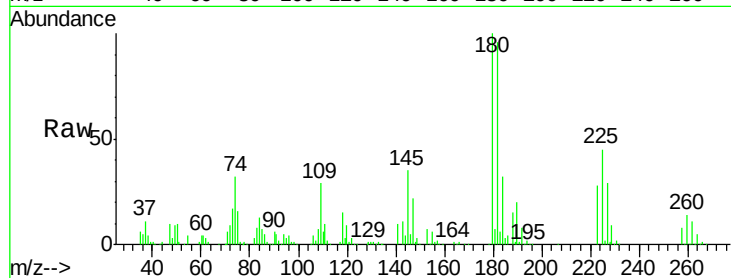




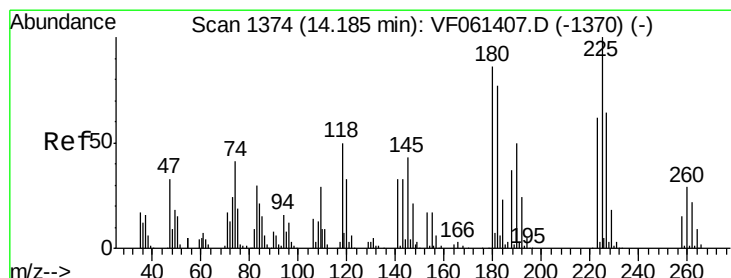
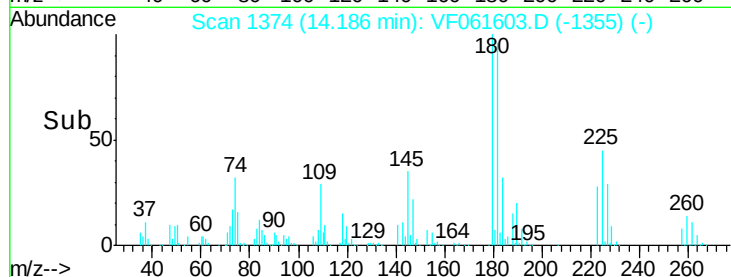
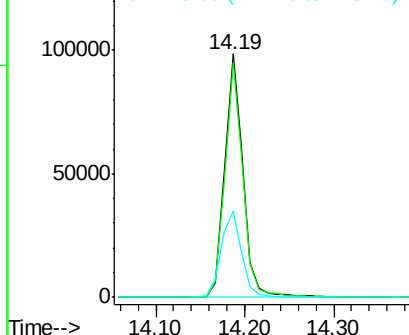
#93
 1,2,4-Trichlorobenzene
 Concen: 50.597 ug/l
 RT: 14.19 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061603.D
 Acq: 12 Feb 2019 12:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 143592
 Ion Ratio Lower Upper
 180 100
 182 96.2 48.5 145.6
 145 35.2 17.5 52.6

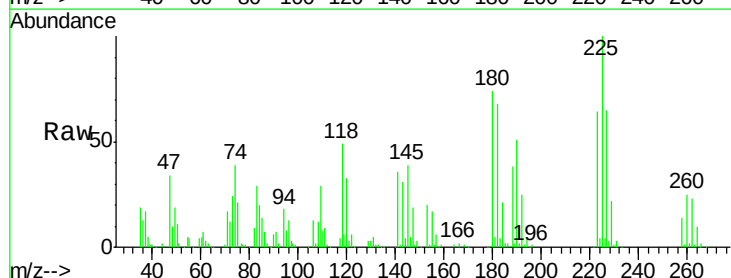


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

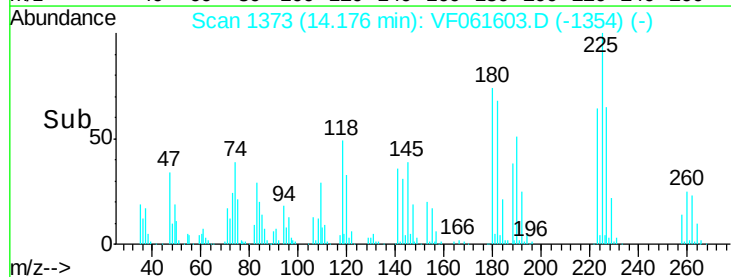
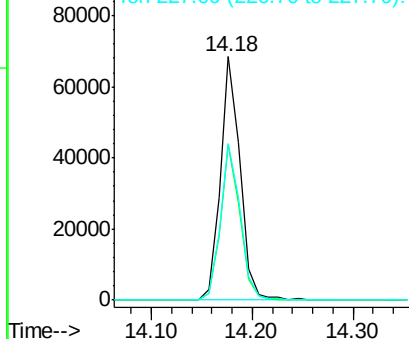


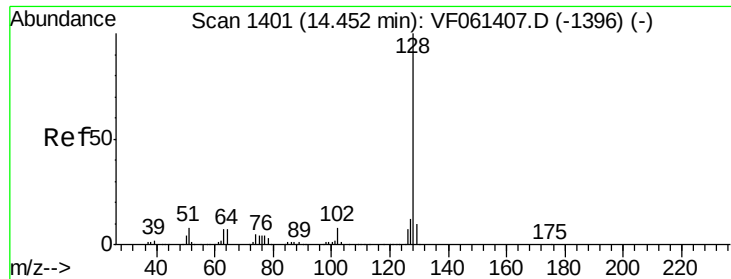
#94
 Hexachlorobutadiene
 Concen: 52.791 ug/l
 RT: 14.18 min Scan# 1373
 Delta R.T. -0.01 min
 Lab File: VF061603.D
 Acq: 12 Feb 2019 12:14

Tgt Ion:225 Resp: 92966
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.1 93.2
 227 64.5 32.2 96.6



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: 50.455 ug/l

RT: 14.44 min Scan# 1400

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

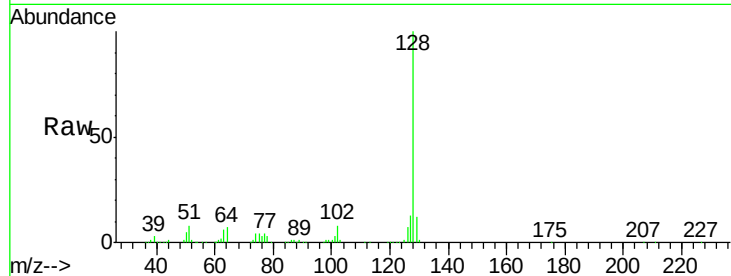
Tot Ion:128 Resp: 272049

Ion Ratio Lower Upper

128 100

127 12.9 9.5 14.3

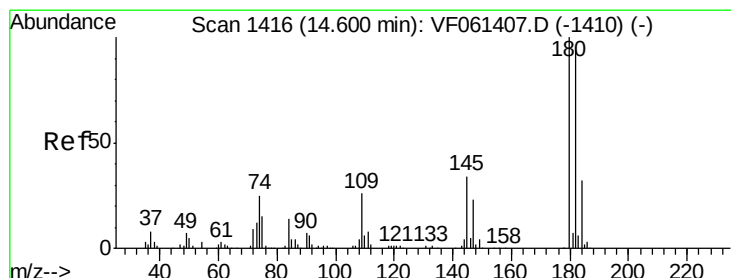
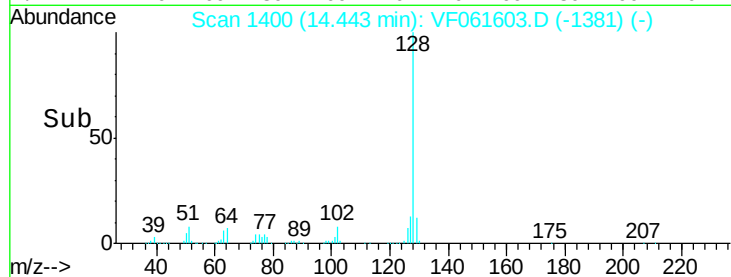
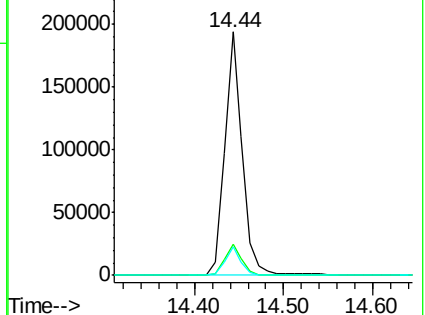
129 11.6 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.718 ug/l

RT: 14.59 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VF061603.D

Acq: 12 Feb 2019 12:14

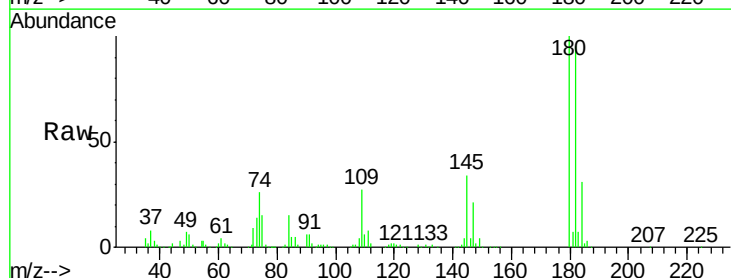
Tgt Ion:180 Resp: 135868

Ion Ratio Lower Upper

180 100

182 95.5 47.0 141.2

145 34.1 17.1 51.2



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

