

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030119\
 Data File : VF061801.D
 Acq On : 1 Mar 2019 12:59
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 02 02:44:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	287149	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.57	114	430497	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	366658	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	199929	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	126079	59.87	ug/l	-0.03
Spiked Amount			Recovery	=	119.74%	
35) Dibromofluoromethane	4.09	113	178777	55.92	ug/l	-0.02
Spiked Amount			Recovery	=	111.84%	
50) Toluene-d8	7.54	98	503469	54.78	ug/l	-0.02
Spiked Amount			Recovery	=	109.56%	
62) 4-Bromofluorobenzene	11.39	95	197801	53.19	ug/l	-0.02
Spiked Amount			Recovery	=	106.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	150293	45.576	ug/l	98
3) Chloromethane	1.10	50	160589	46.414	ug/l	99
4) Vinyl Chloride	1.14	62	162856	50.633	ug/l	91
5) Bromomethane	1.33	94	117563	53.108	ug/l	95
6) Chloroethane	1.38	64	77203	48.706	ug/l	97
7) Trichlorofluoromethane	1.47	101	210395	54.234	ug/l	96
8) Diethyl Ether	1.63	74	47629	48.718	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	132665	47.404	ug/l #	93
10) Methyl Iodide	1.90	142	206518	38.630	ug/l	96
11) Tert butyl alcohol	2.57	59	31349	257.244	ug/l	96
12) 1,1-Dichloroethene	1.79	96	117071	47.579	ug/l	86
13) Acrolein	1.99	56	42204	275.550	ug/l	98
14) Allyl chloride	2.09	41	154950	51.318	ug/l	96
15) Acrylonitrile	2.93	53	96465	223.165	ug/l	96
16) Acetone	2.23	43	137048	303.344	ug/l	94
17) Carbon Disulfide	1.83	76	347123	44.880	ug/l	96
18) Methyl Acetate	2.42	43	50354	49.475	ug/l	94
19) Methyl tert-butyl Ether	2.42	73	221569	52.689	ug/l	98
20) Methylene Chloride	2.17	84	45609	17.185	ug/l	96
21) trans-1,2-Dichloroethene	2.30	96	125137	46.783	ug/l	95
22) Diisopropyl ether	2.78	45	378152	52.174	ug/l	98
23) Vinyl Acetate	3.18	43	827687	233.806	ug/l	98
24) 1,1-Dichloroethane	2.86	63	226724	51.691	ug/l	100
25) 2-Butanone	4.31	43	244390	247.646	ug/l	95
26) 2,2-Dichloropropane	3.58	77	105693	56.889	ug/l	95
27) cis-1,2-Dichloroethene	3.46	96	171583	48.871	ug/l	96
28) Bromochloromethane	3.70	49	106939	50.814	ug/l	97
29) Tetrahydrofuran	4.06	42	95380	212.649	ug/l	95
30) Chloroform	3.84	83	255716	51.266	ug/l	97
31) Cyclohexane	3.67	56	128928	27.153	ug/l	95
32) 1,1,1-Trichloroethane	4.07	97	156951	48.034	ug/l	98
36) 1,1-Dichloropropene	4.26	75	198005	46.430	ug/l	95
37) Ethyl Acetate	4.09	43	84711	42.766	ug/l #	85
38) Carbon Tetrachloride	3.97	117	153564	52.148	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	246145	48.804	ug/l	98
40) Benzene	4.62	78	534169	47.887	ug/l	97
41) Methacrylonitrile	4.73	41	47014	46.411	ug/l	93
42) 1,2-Dichloroethane	4.92	62	135490	50.778	ug/l	94
43) Isopropyl Acetate	6.94	43	105037	44.799	ug/l #	90
44) Trichloroethene	5.49	130	172914	47.936	ug/l	97
45) 1,2-Dichloropropane	6.21	63	123933	45.964	ug/l	97
46) Dibromomethane	6.07	93	81256	48.945	ug/l	91
47) Bromodichloromethane	6.36	83	183647	50.515	ug/l	98
48) Methyl methacrylate	6.70	41	66970	47.463	ug/l	94
49) 1,4-Dioxane	6.69	88	12176	917.976	ug/l	95
51) 4-Methyl-2-Pentanone	8.24	43	371699	221.867	ug/l	99
52) Toluene	7.61	92	320620	47.393	ug/l	97
53) t-1,3-Dichloropropene	8.27	75	149816	49.515	ug/l	98
54) cis-1,3-Dichloropropene	7.28	75	198233	49.187	ug/l	91
55) 1,1,2-Trichloroethane	8.47	97	95517	48.055	ug/l	95
56) Ethyl methacrylate	8.60	69	97126	43.889	ug/l	93
57) 1,3-Dichloropropane	8.84	76	154955	46.706	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.28	63	81644	213.828	ug/l	97
59) 2-Hexanone	9.47	43	279977	238.408	ug/l	99
60) Dibromochloromethane	8.70	129	137653	49.755	ug/l	96
61) 1,2-Dibromoethane	8.97	107	103189	47.864	ug/l	97
64) Tetrachloroethene	8.14	164	142814	47.652	ug/l	98
65) Chlorobenzene	9.77	112	366926	49.316	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	150823	51.732	ug/l	97
67) Ethyl Benzene	9.88	91	623747	50.411	ug/l	97
68) m/p-Xylenes	10.11	106	472204	99.718	ug/l	100
69) o-Xylene	10.69	106	247754	49.032	ug/l	92
70) Styrene	10.77	104	346391	48.458	ug/l	100
71) Bromoform	10.76	173	76110	48.075	ug/l	97
73) Isopropylbenzene	11.11	105	682499	47.946	ug/l	100
74) N-amyl acetate	11.36	43	161613	47.302	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	125559	49.235	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	81696	47.119	ug/l	97
77) Bromobenzene	11.48	156	172145	48.952	ug/l	95
78) n-propylbenzene	11.58	91	774596	47.421	ug/l	99
79) 2-Chlorotoluene	11.71	91	460697	50.359	ug/l	95
80) 1,3,5-Trimethylbenzene	11.82	105	553615	48.662	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	51660	62.150	ug/l	95
82) 4-Chlorotoluene	11.88	91	460615	48.510	ug/l	99
83) tert-Butylbenzene	12.12	119	618215	49.061	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	567885	50.243	ug/l	100
85) sec-Butylbenzene	12.29	105	781689	47.971	ug/l	98
86) p-Isopropyltoluene	12.45	119	684290	50.037	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	327830	47.819	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	326578	49.533	ug/l	97
89) n-Butylbenzene	12.83	91	639040	49.486	ug/l	94
90) Hexachloroethane	12.90	117	164395	51.687	ug/l	89
91) 1,2-Dichlorobenzene	12.93	146	312827	47.974	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	20632	51.028	ug/l	73

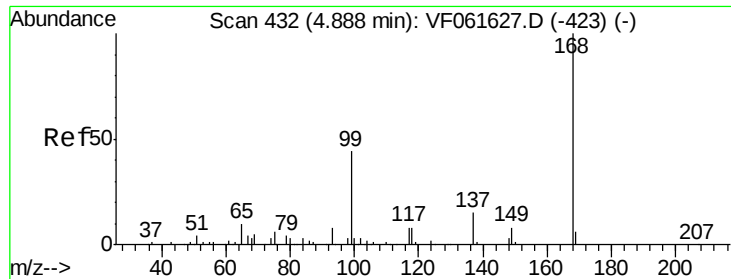
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	221872	47.470	ug/l	94
94) Hexachlorobutadiene	14.17	225	142004	49.194	ug/l	99
95) Naphthalene	14.44	128	397220	48.574	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	206617	48.163	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Instrument :

MSVOA_F

ClientSampleId :

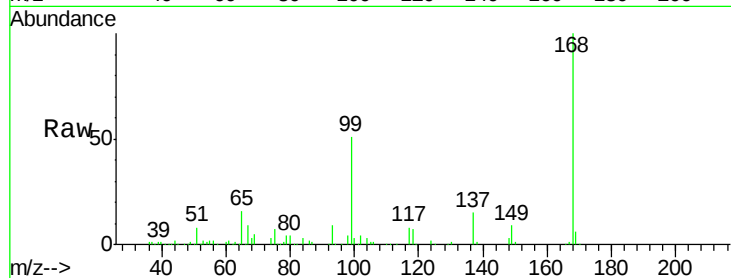
VSTDCCC050

Tot Ion:168 Resp: 287149

Ion Ratio Lower Upper

168 100

99 50.9 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

100000

80000

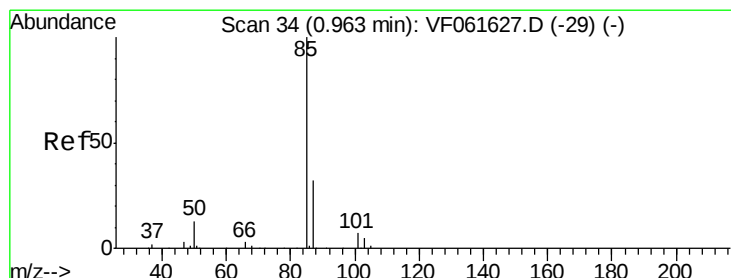
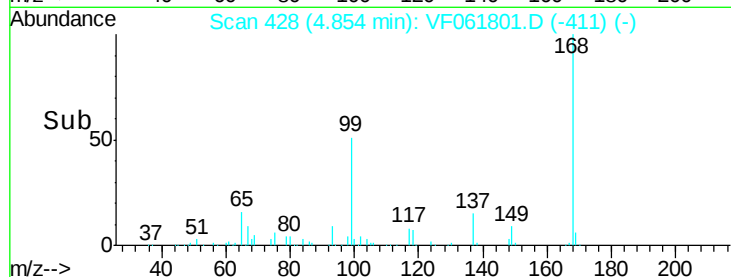
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 45.576 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061801.D

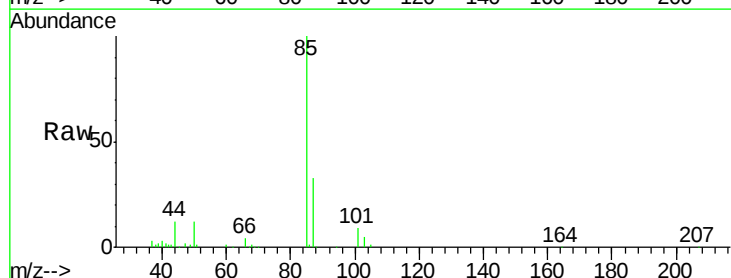
Acq: 1 Mar 2019 12:59

Tgt Ion: 85 Resp: 150293

Ion Ratio Lower Upper

85 100

87 33.3 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

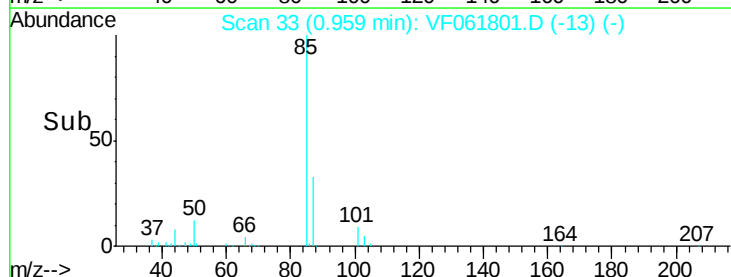
30000

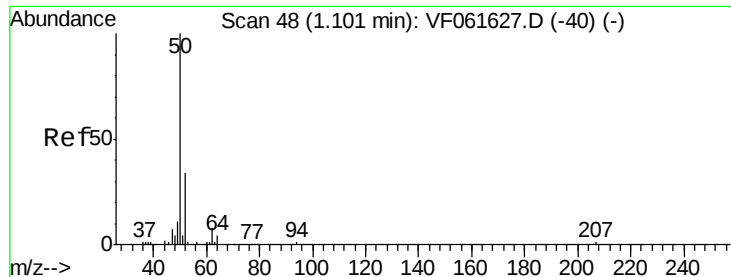
20000

10000

0

Time--> 0.90 1.00 1.10





#3

Chloromethane

Concen: 46.414 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Instrument :

MSVOA_F

ClientSampleId :

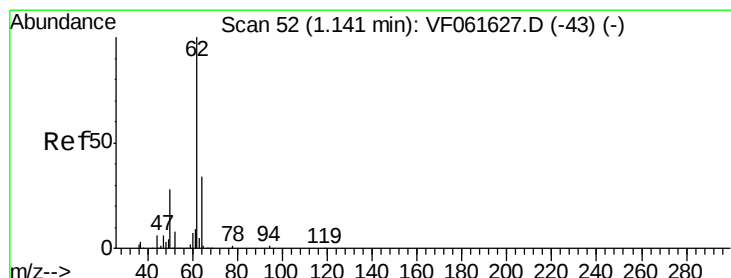
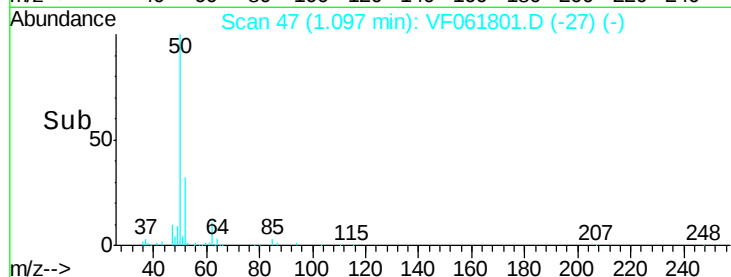
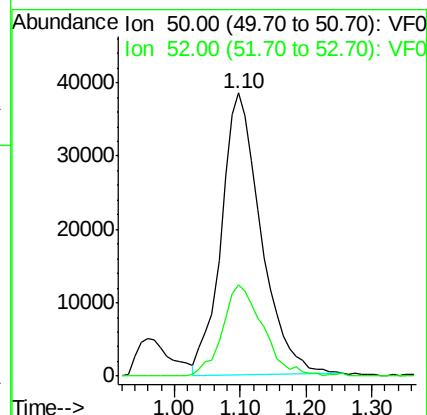
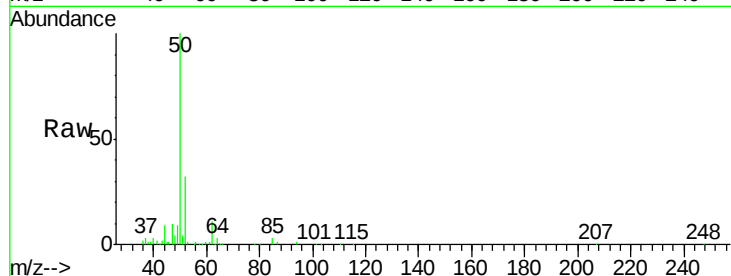
VSTDCCC050

Tot Ion: 50 Resp: 160589

Ion Ratio Lower Upper

50 100

52 32.3 26.2 39.4



#4

Vinyl Chloride

Concen: 50.633 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061801.D

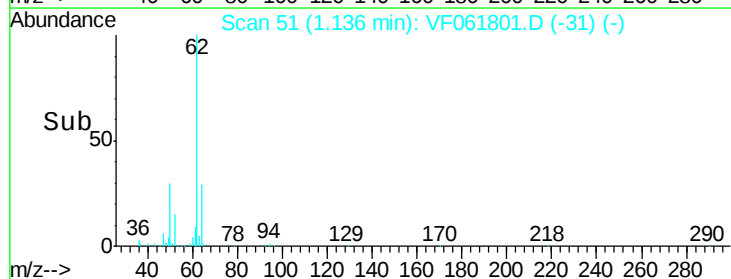
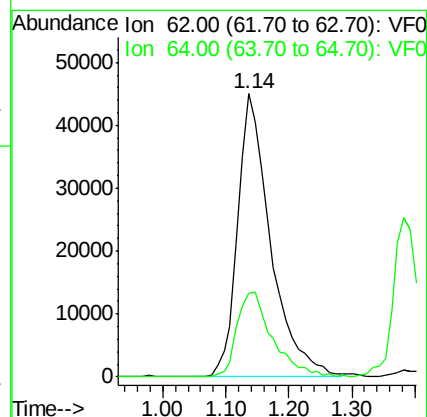
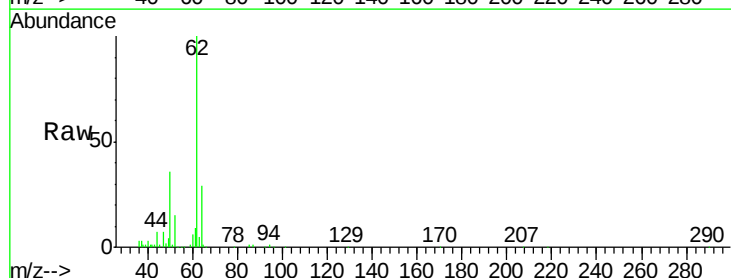
Acq: 1 Mar 2019 12:59

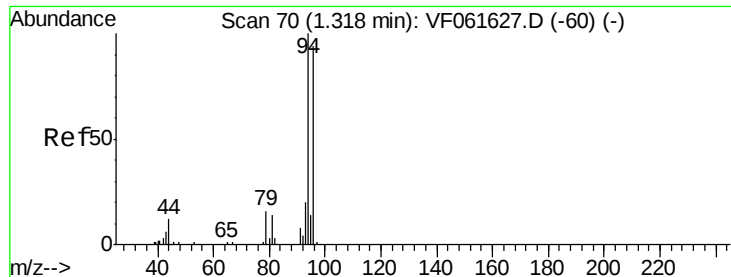
Tgt Ion: 62 Resp: 162856

Ion Ratio Lower Upper

62 100

64 29.5 27.5 41.3





#5

Bromomethane

Concen: 53.108 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.02 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Instrument :

MSVOA_F

ClientSampleId :

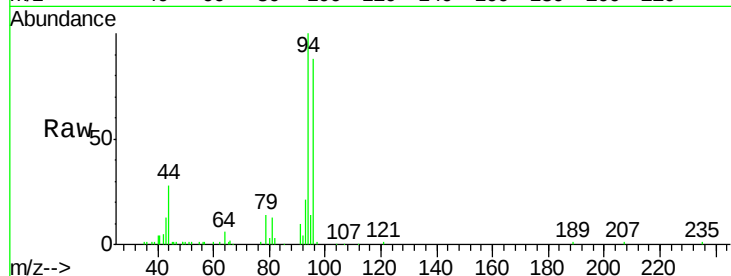
VSTDCCC050

Tot Ion: 94 Resp: 117563

Ion Ratio Lower Upper

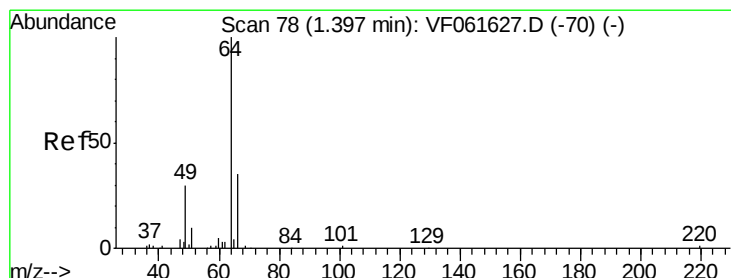
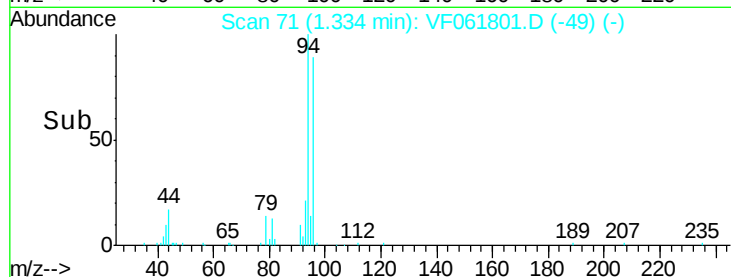
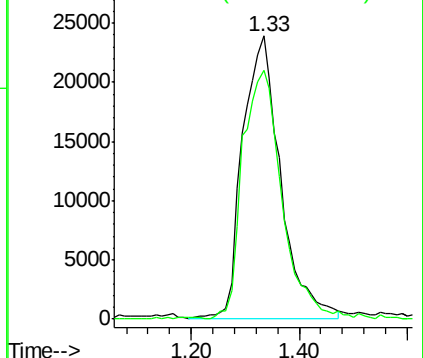
94 100

96 88.0 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 48.706 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061801.D

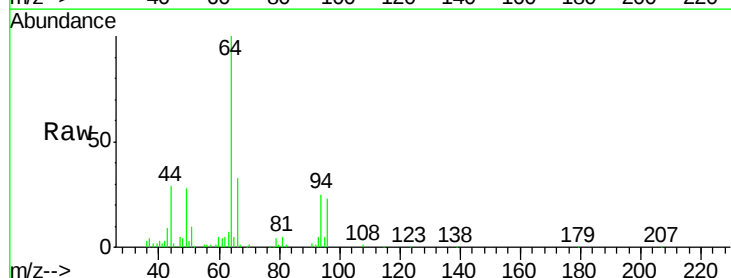
Acq: 1 Mar 2019 12:59

Tgt Ion: 64 Resp: 77203

Ion Ratio Lower Upper

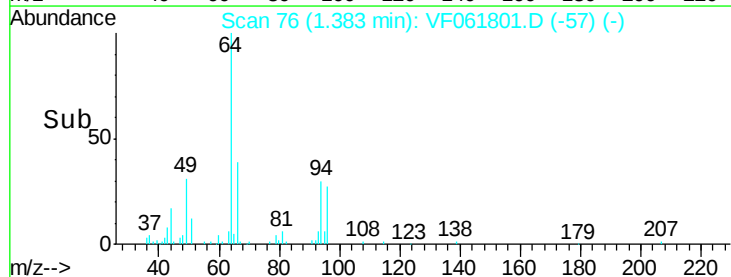
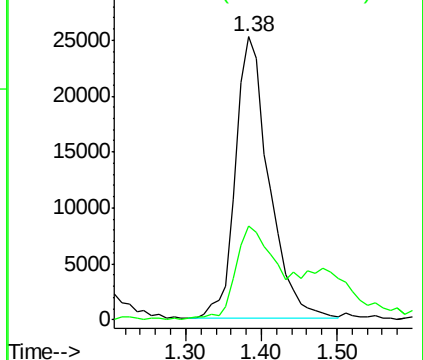
64 100

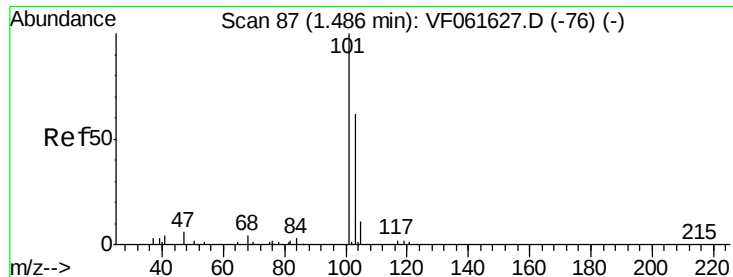
66 33.3 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 54.234 ug/l

RT: 1.47 min Scan# 85

Delta R.T. -0.01 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

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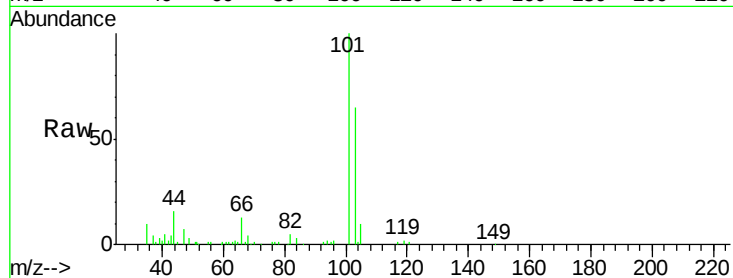
VSTDCCC050

Tot Ion:101 Resp: 210395

Ion Ratio Lower Upper

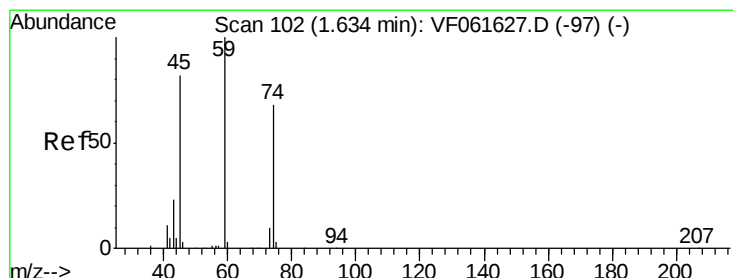
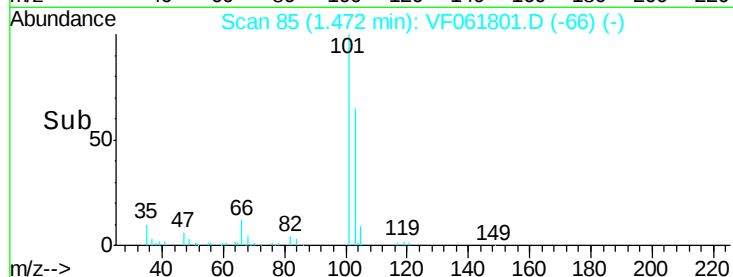
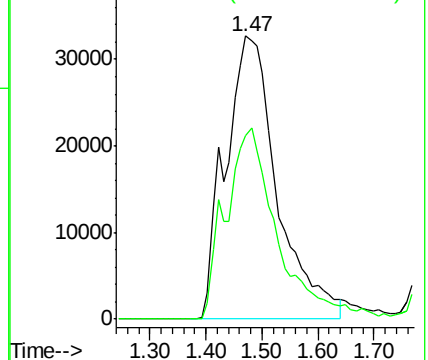
101 100

103 64.6 49.3 73.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 48.718 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.00 min

Lab File: VF061801.D

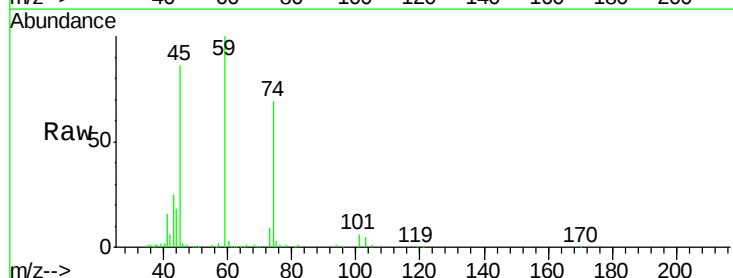
Acq: 1 Mar 2019 12:59

Tgt Ion: 74 Resp: 47629

Ion Ratio Lower Upper

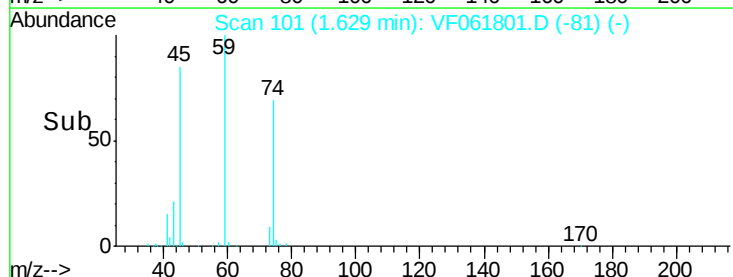
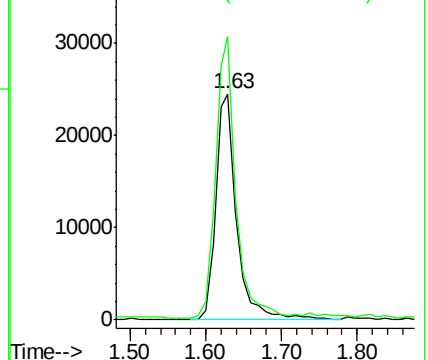
74 100

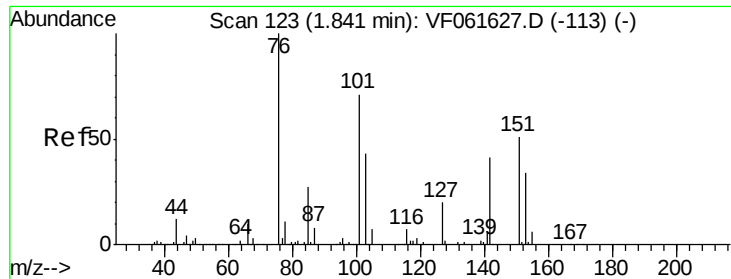
45 125.1 60.8 182.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.404 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

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VSTDCCC050

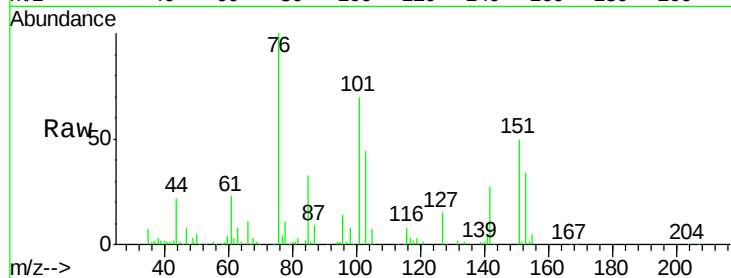
Tot Ion:101 Resp: 132665

Ion Ratio Lower Upper

101 100

85 47.0 29.8 44.6#

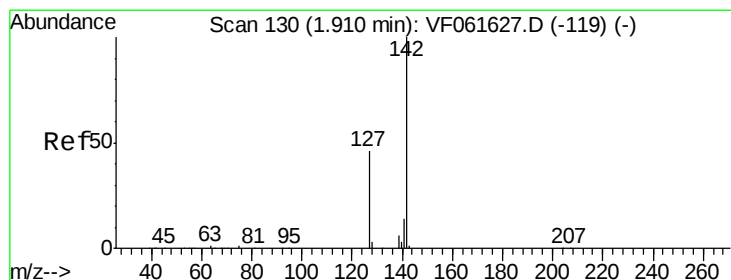
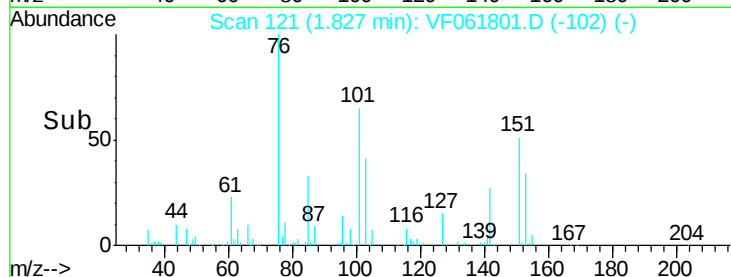
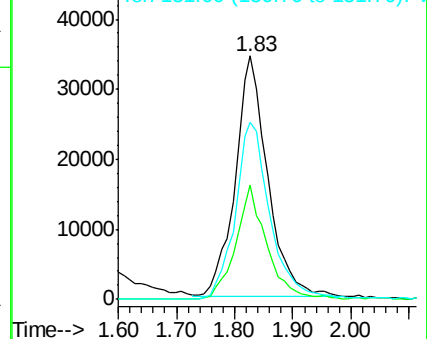
151 72.5 56.3 84.5



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: 38.630 ug/l

RT: 1.90 min Scan# 128

Delta R.T. -0.01 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

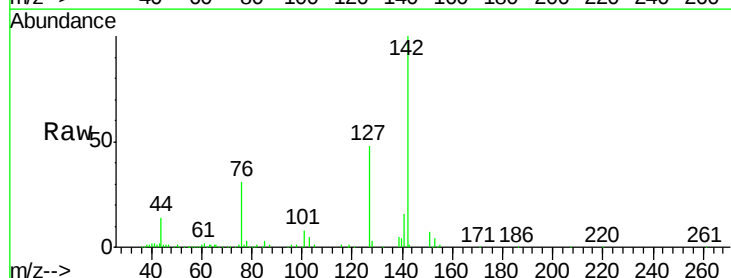
Tgt Ion:142 Resp: 206518

Ion Ratio Lower Upper

142 100

127 48.4 36.6 55.0

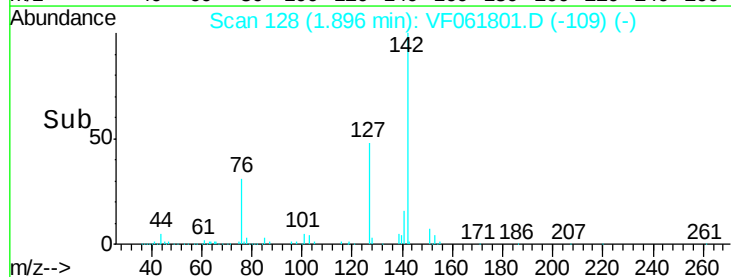
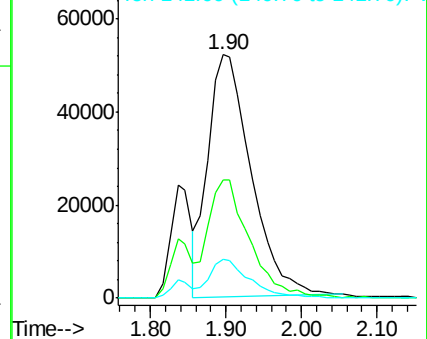
141 16.1 11.0 16.6

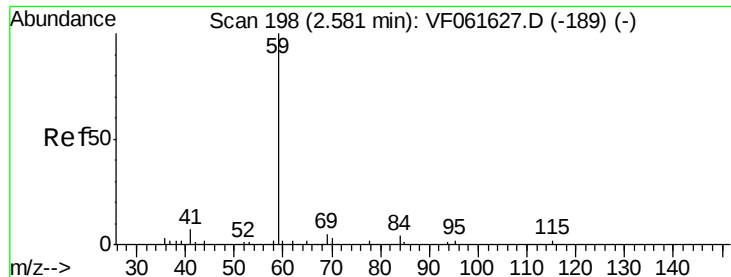


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

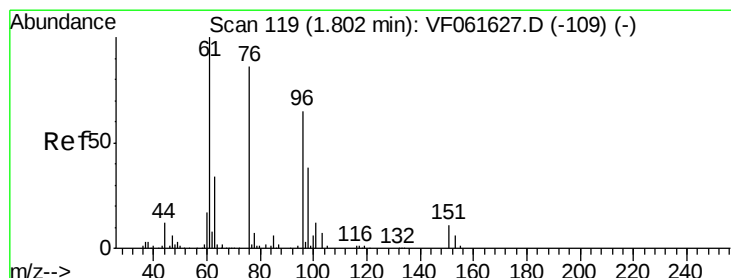
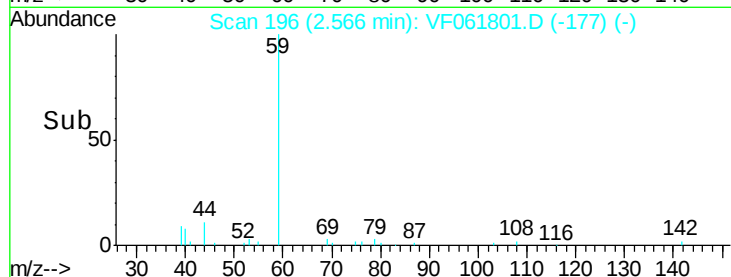
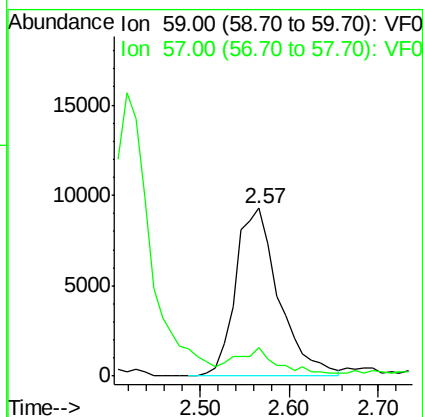
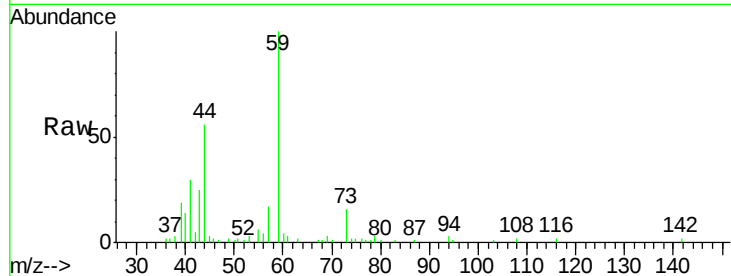




#11
Tert butyl alcohol
Concen: 257.244 ug/l
RT: 2.57 min Scan# 196
Delta R.T. -0.01 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

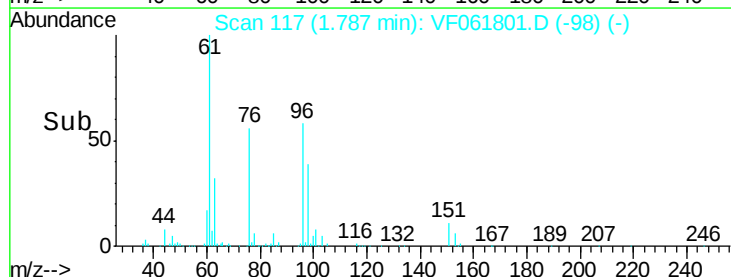
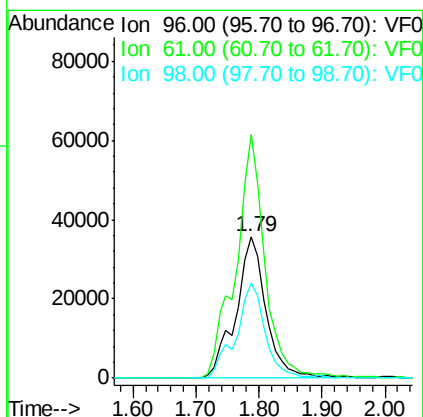
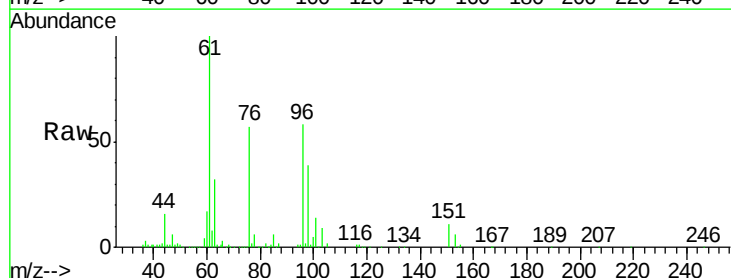
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

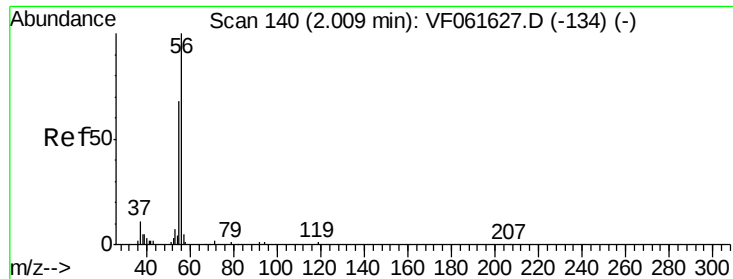
Tot Ion: 59 Resp: 31349
Ion Ratio Lower Upper
59 100
57 17.5 12.5 18.7



#12
1,1-Dichloroethene
Concen: 47.579 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

Tgt Ion: 96 Resp: 117071
Ion Ratio Lower Upper
96 100
61 171.8 122.6 184.0
98 67.4 47.2 70.8





#13

Acrolein

Concen: 275.550 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Instrument :

MSVOA_F

ClientSampleId :

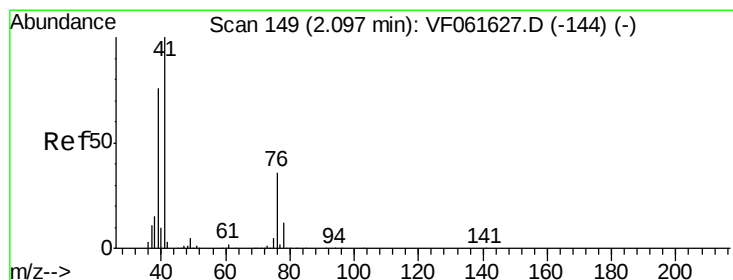
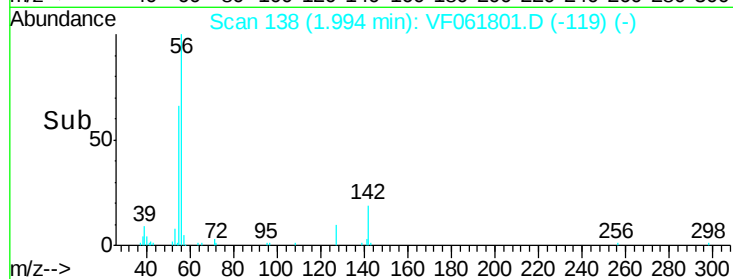
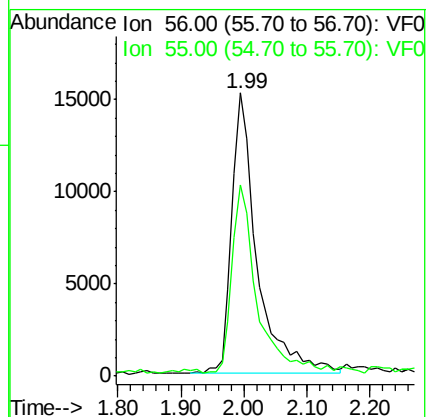
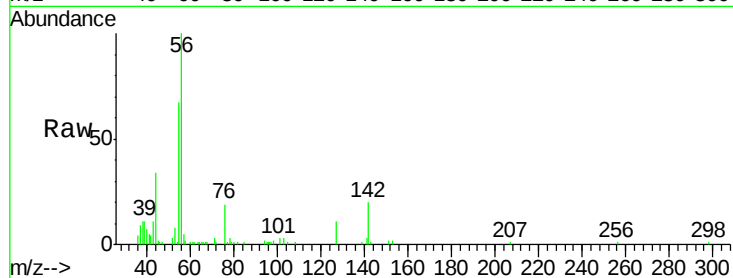
VSTDCCC050

Tot Ion: 56 Resp: 42204

Ion Ratio Lower Upper

56 100

55 67.4 55.0 82.6



#14

Allyl chloride

Concen: 51.318 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

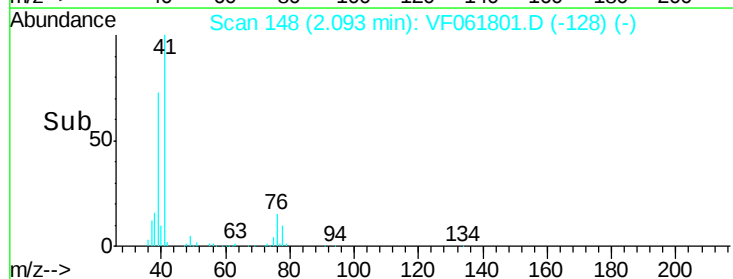
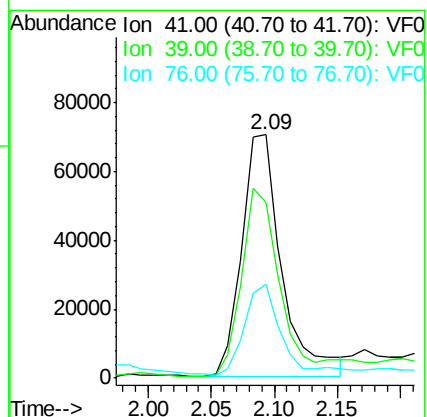
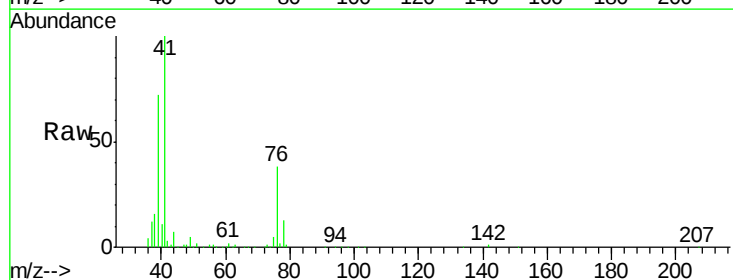
Tgt Ion: 41 Resp: 154950

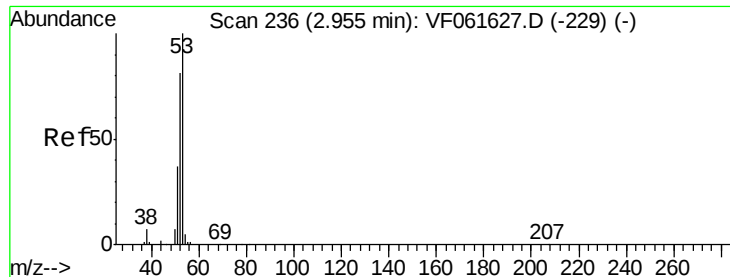
Ion Ratio Lower Upper

41 100

39 72.3 61.6 92.4

76 38.4 30.3 45.5





#15

Acrylonitrile

Concen: 223.165 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.02 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

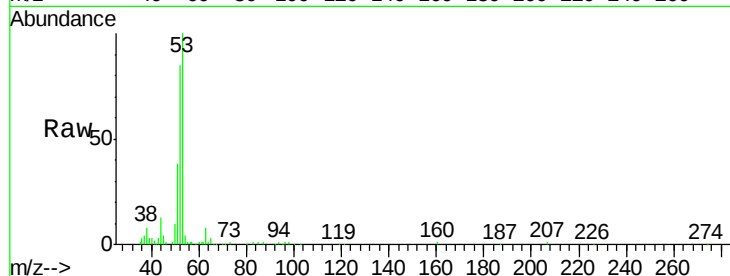
Tot Ion: 53 Resp: 96465

Ion Ratio Lower Upper

53 100

52 84.7 64.6 97.0

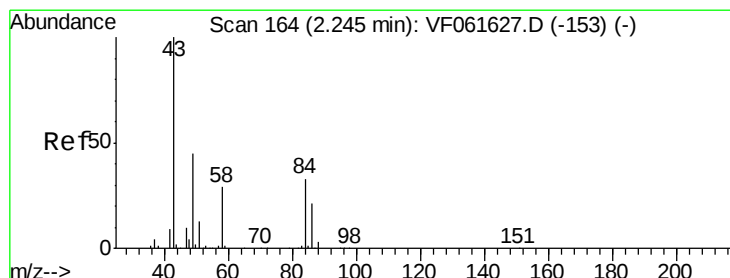
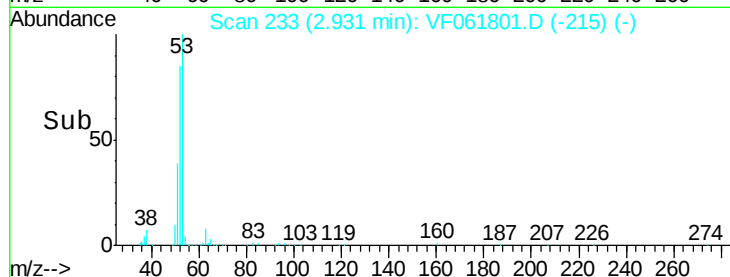
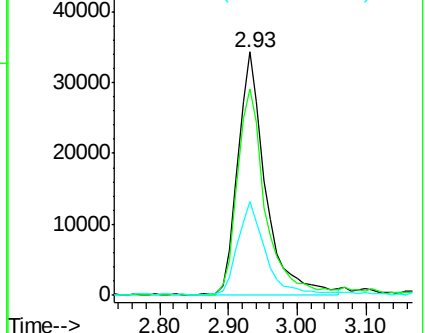
51 38.4 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 303.344 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061801.D

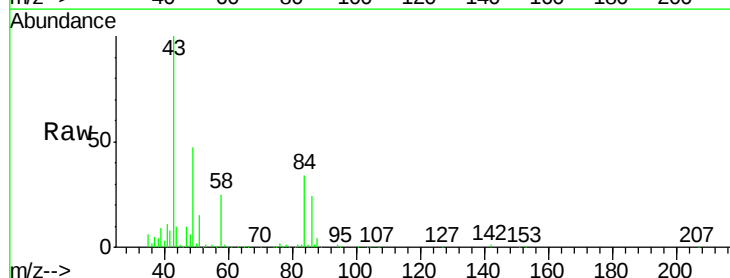
Acq: 1 Mar 2019 12:59

Tgt Ion: 43 Resp: 137048

Ion Ratio Lower Upper

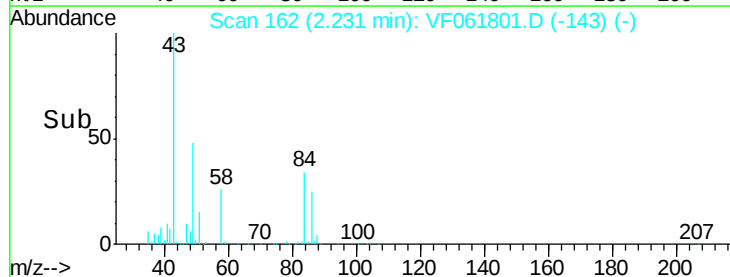
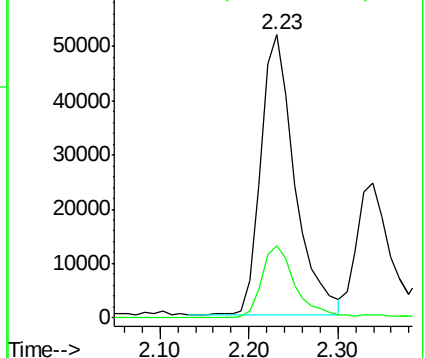
43 100

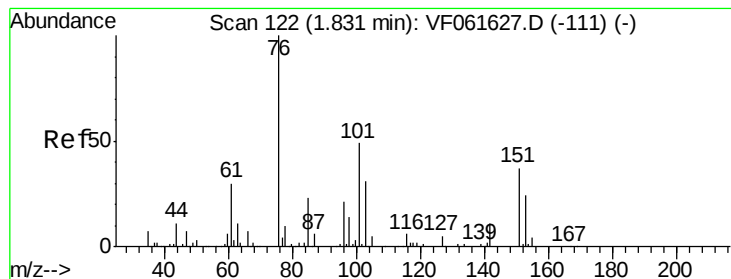
58 25.4 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 44.880 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.00 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Instrument :

MSVOA_F

ClientSampleId :

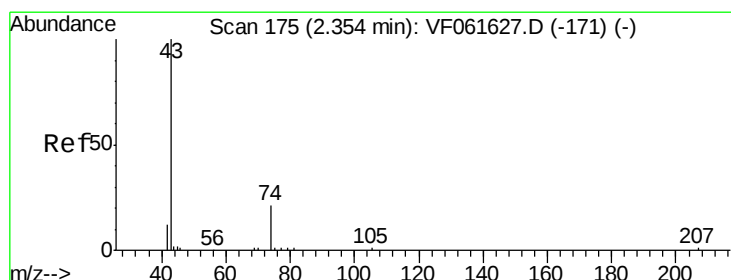
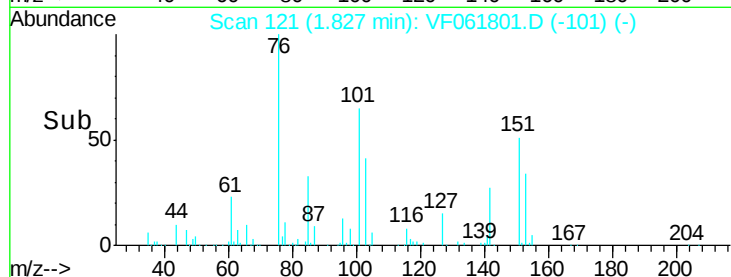
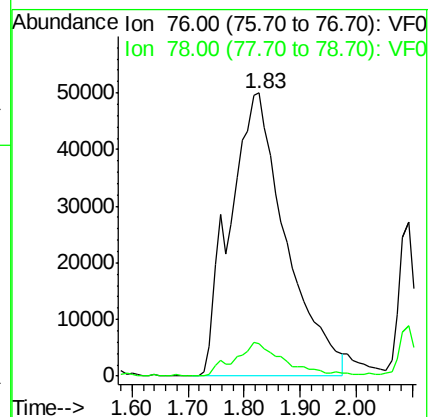
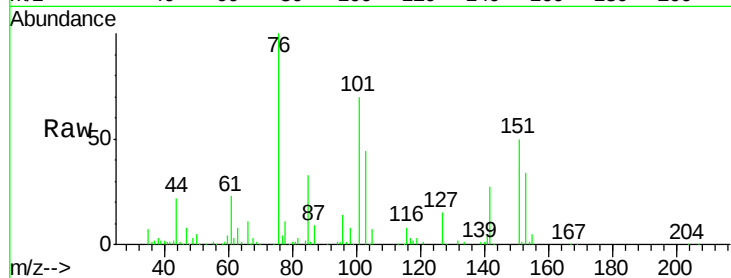
VSTDCCC050

Tot Ion: 76 Resp: 347123

Ion Ratio Lower Upper

76 100

78 11.4 7.9 11.9



#18

Methyl Acetate

Concen: 49.475 ug/l

RT: 2.42 min Scan# 181

Delta R.T. 0.06 min

Lab File: VF061801.D

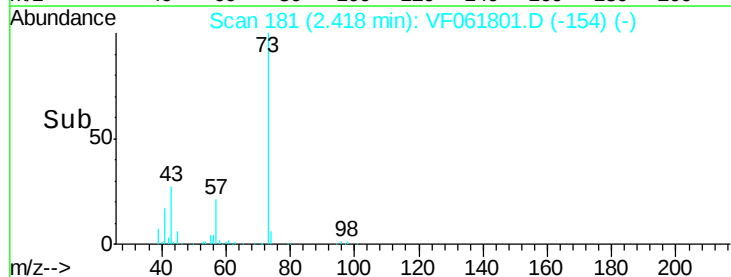
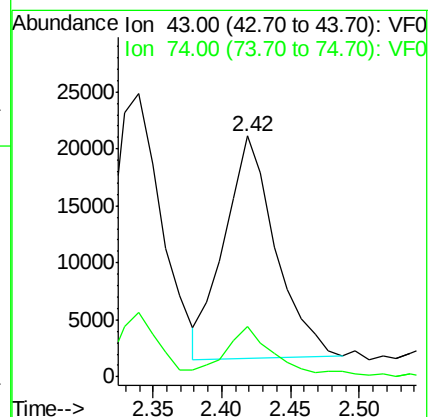
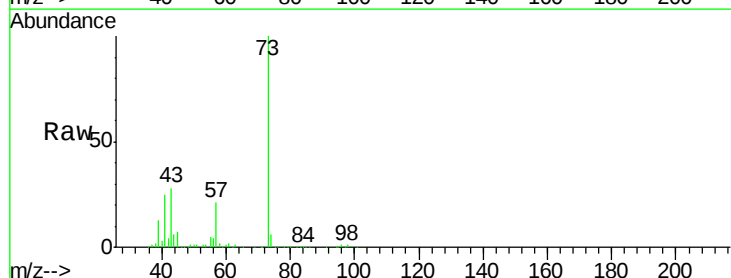
Acq: 1 Mar 2019 12:59

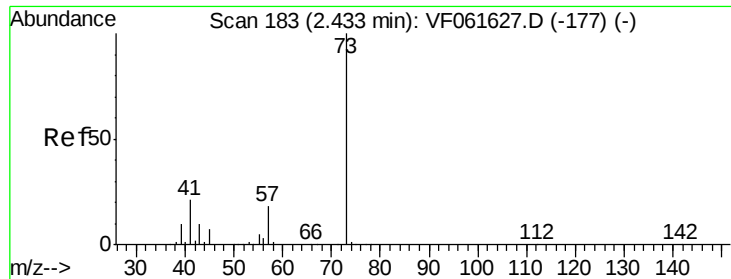
Tgt Ion: 43 Resp: 50354

Ion Ratio Lower Upper

43 100

74 20.8 14.6 21.8

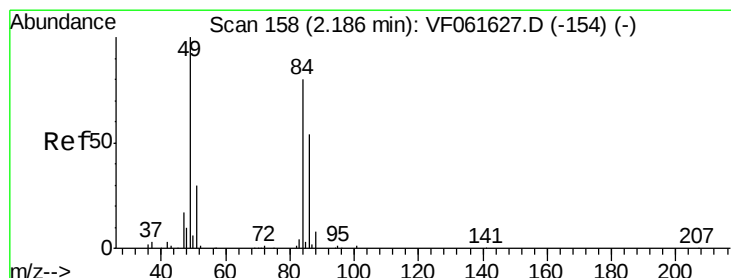
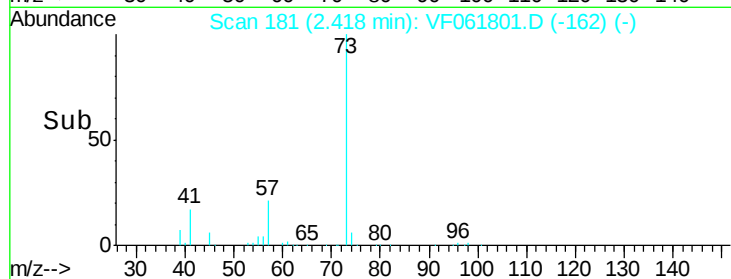
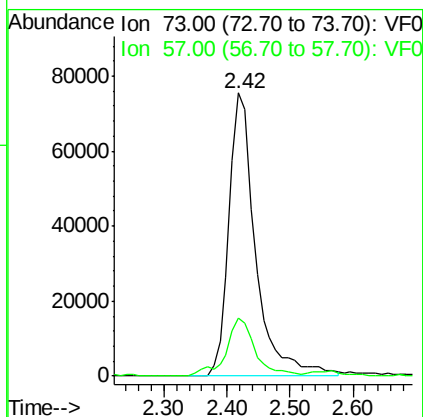
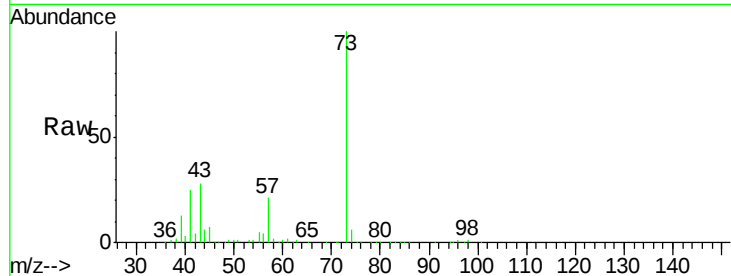




#19
Methvl tert-butvl Ether
Concen: 52.689 ug/l
RT: 2.42 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

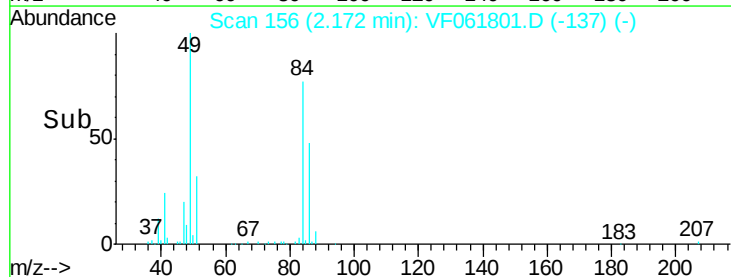
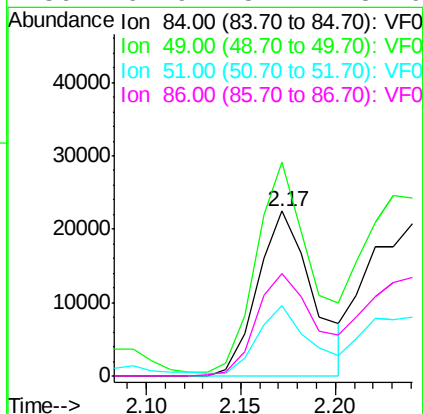
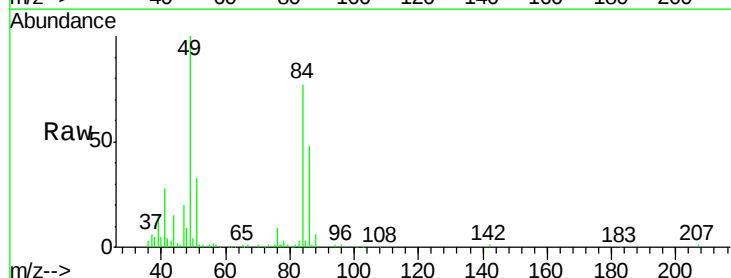
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

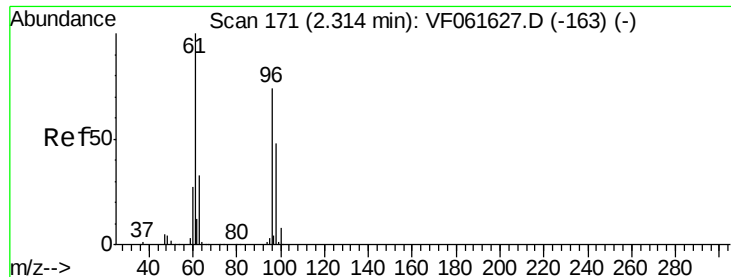
Tot Ion: 73 Resp: 221569
Ion Ratio Lower Upper
73 100
57 20.7 15.8 23.8



#20
Methylene Chloride
Concen: 17.185 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

Tgt Ion: 84 Resp: 45609
Ion Ratio Lower Upper
84 100
49 129.5 101.8 152.8
51 42.5 31.1 46.7
86 61.9 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 46.783 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

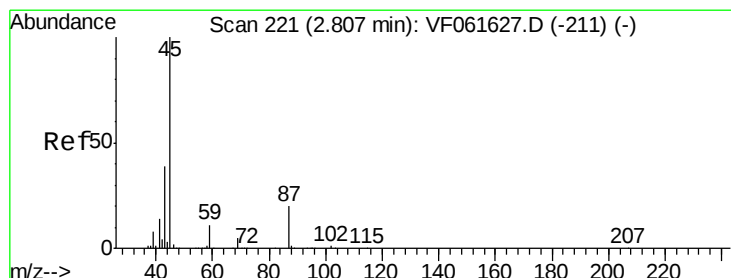
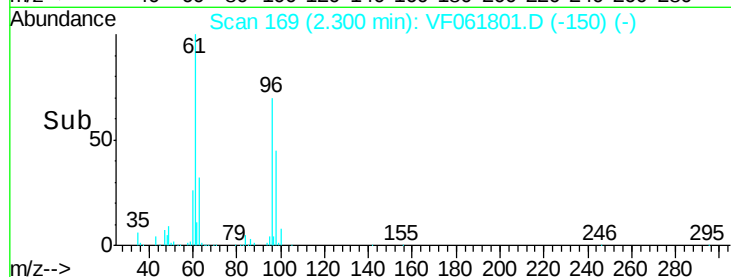
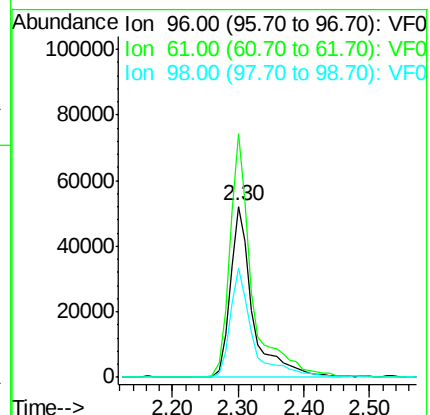
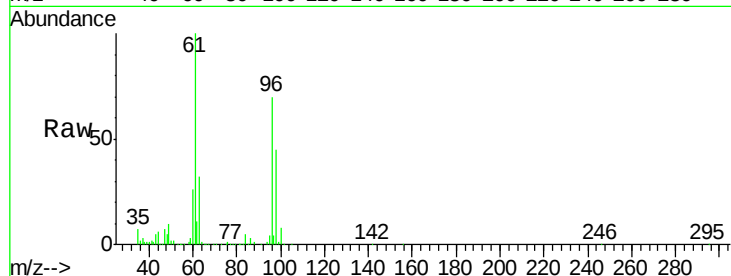
Tot Ion: 96 Resp: 125137

Ion Ratio Lower Upper

96 100

61 142.5 108.2 162.4

98 63.7 52.2 78.2



#22

Diisopropyl ether

Concen: 52.174 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.02 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Tgt Ion: 45 Resp: 378152

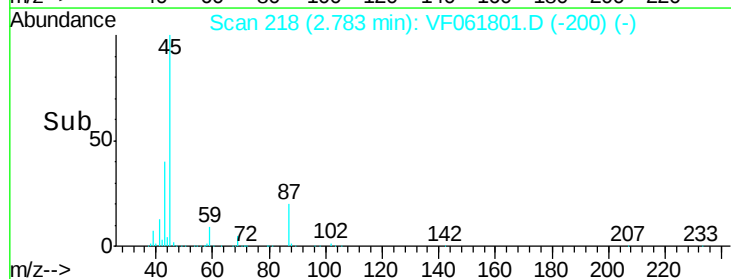
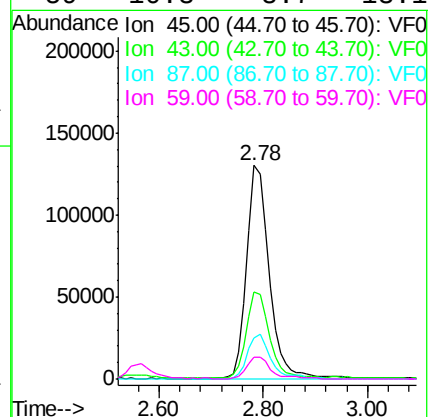
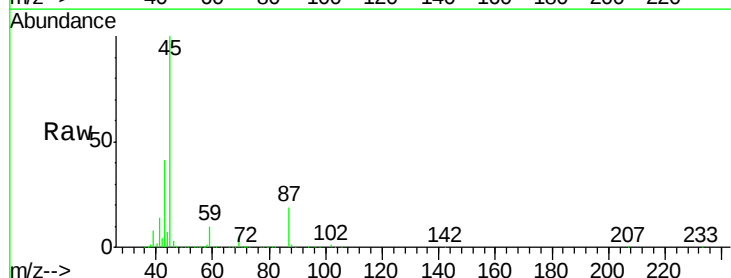
Ion Ratio Lower Upper

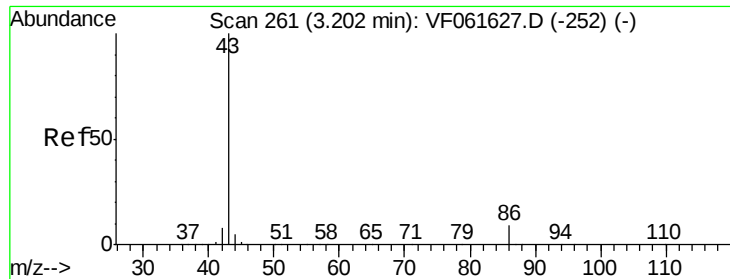
45 100

43 40.6 31.4 47.2

87 19.5 16.3 24.5

59 10.3 8.7 13.1

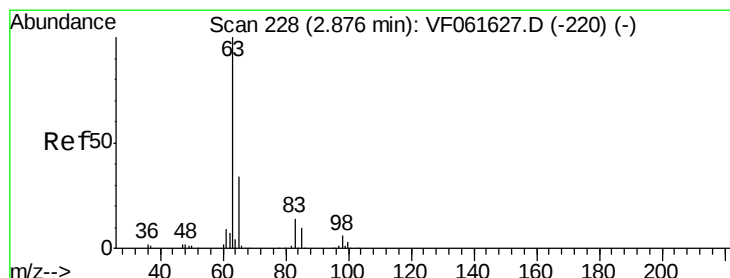
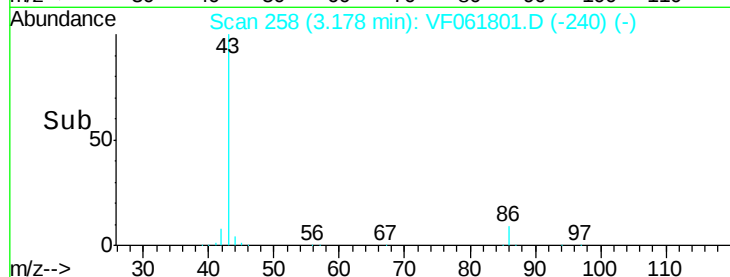
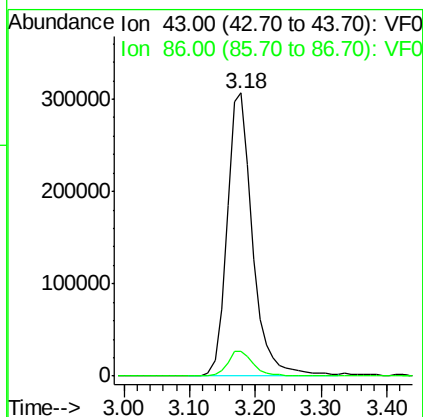
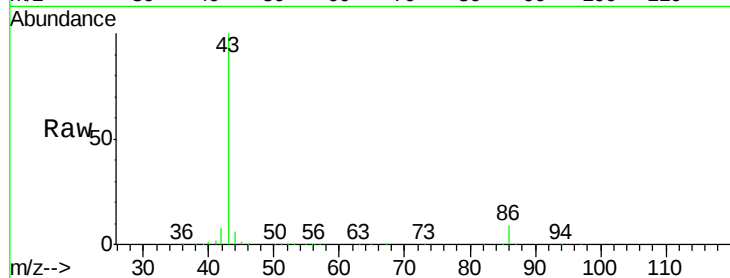




#23
 Vinyl Acetate
 Concen: 233.806 ug/l
 RT: 3.18 min Scan# 258
 Delta R.T. -0.02 min
 Lab File: VF061801.D
 Acq: 1 Mar 2019 12:59

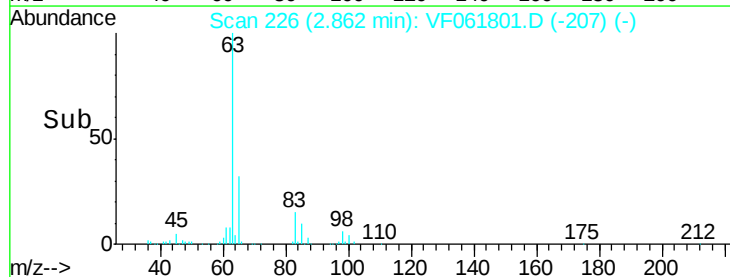
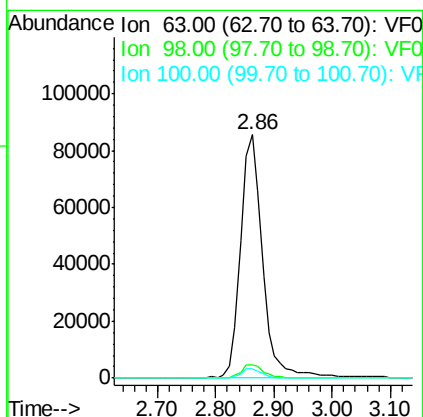
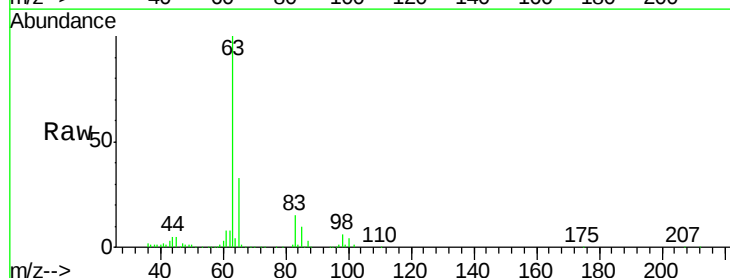
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

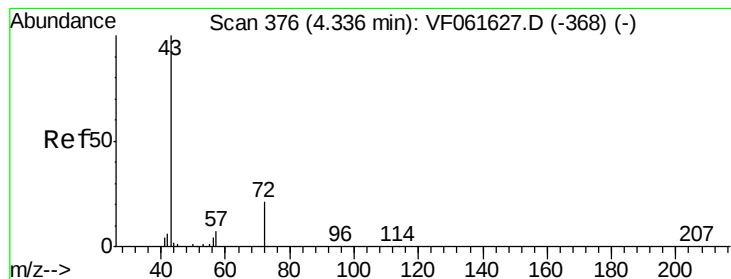
Tot Ion: 43 Resp: 827687
 Ion Ratio Lower Upper
 43 100
 86 8.8 7.5 11.3



#24
 1,1-Dichloroethane
 Concen: 51.691 ug/l
 RT: 2.86 min Scan# 226
 Delta R.T. -0.01 min
 Lab File: VF061801.D
 Acq: 1 Mar 2019 12:59

Tgt Ion: 63 Resp: 226724
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.8 8.3
 100 3.8 1.8 5.4





#25

2-Butanone

Concen: 247.646 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.02 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Instrument :

MSVOA_F

ClientSampleId :

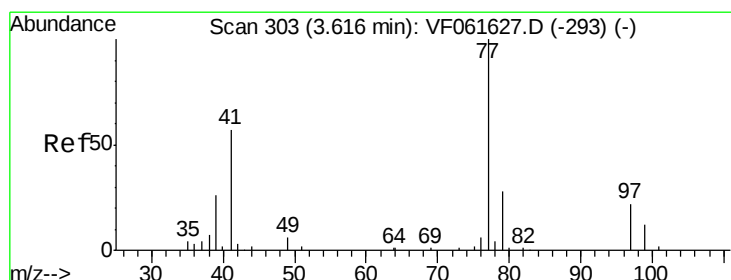
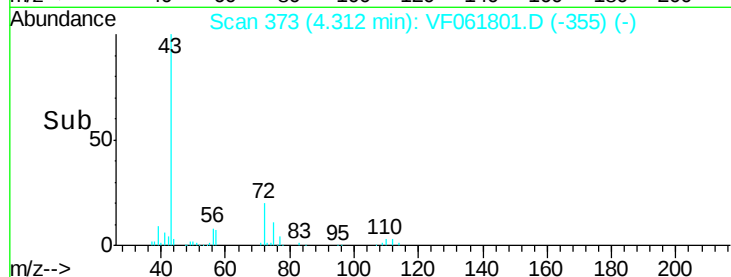
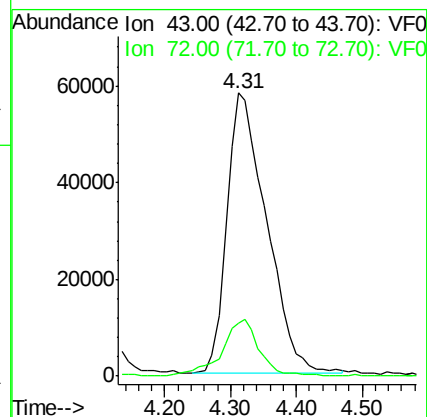
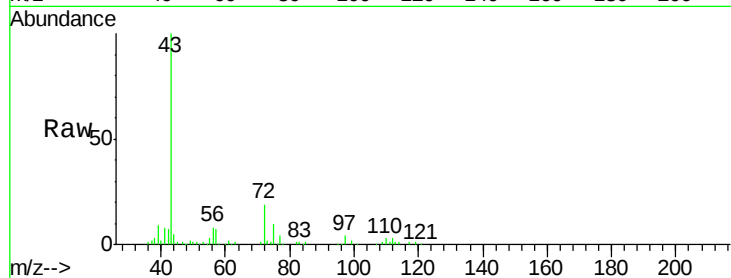
VSTDCCC050

Tot Ion: 43 Resp: 244390

Ion Ratio Lower Upper

43 100

72 18.9 17.1 25.7



#26

2,2-Dichloropropane

Concen: 56.889 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.03 min

Lab File: VF061801.D

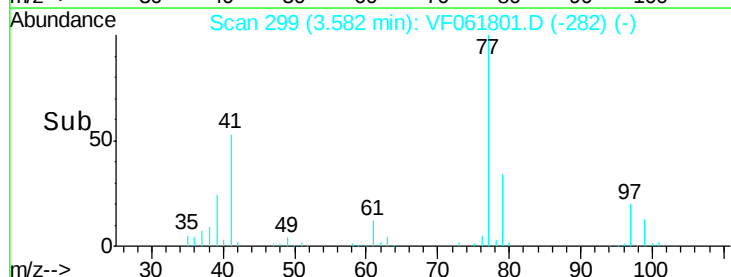
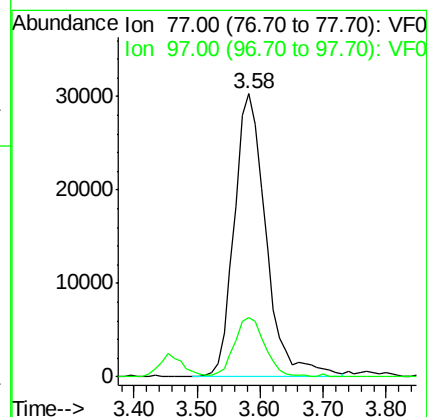
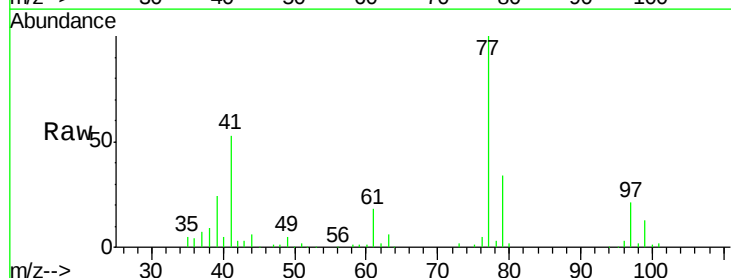
Acq: 1 Mar 2019 12:59

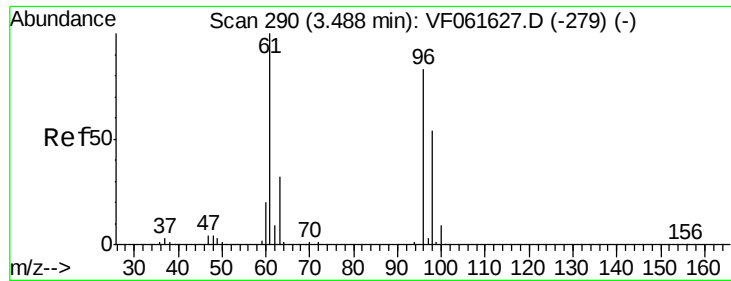
Tgt Ion: 77 Resp: 105693

Ion Ratio Lower Upper

77 100

97 20.8 11.7 35.0



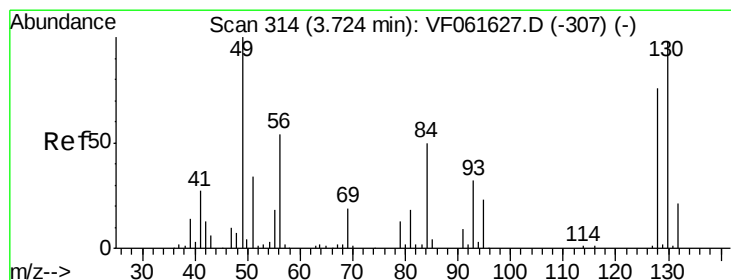
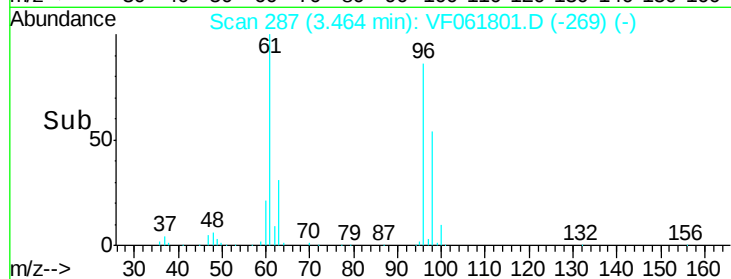
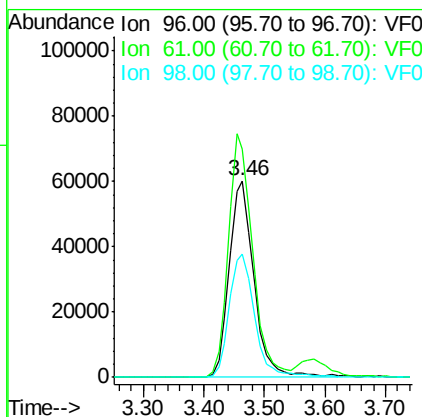
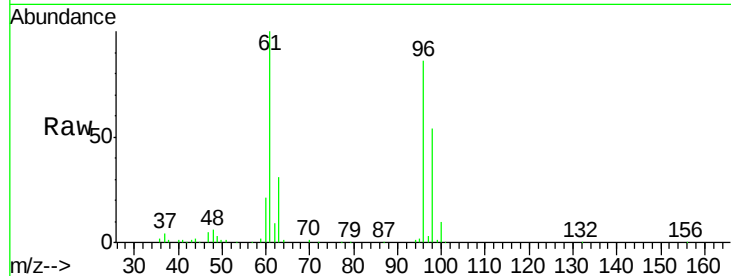


#27

cis-1,2-Dichloroethene
 Concen: 48.871 ug/l
 RT: 3.46 min Scan# 287
 Delta R.T. -0.02 min
 Lab File: VF061801.D
 Acq: 1 Mar 2019 12:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

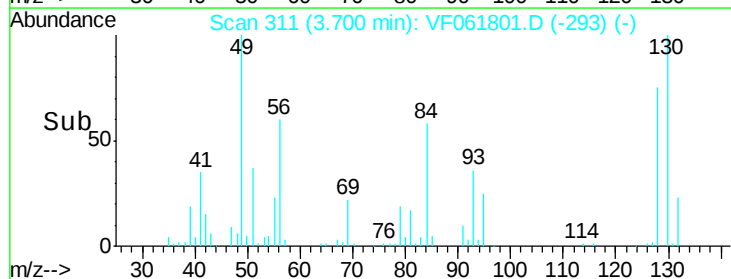
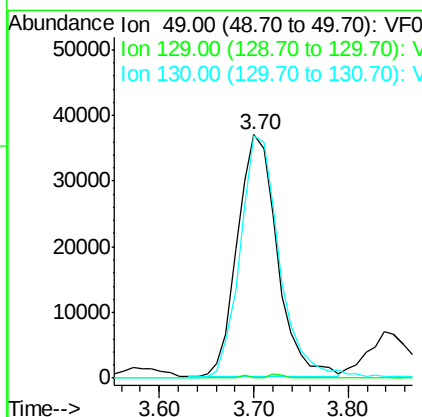
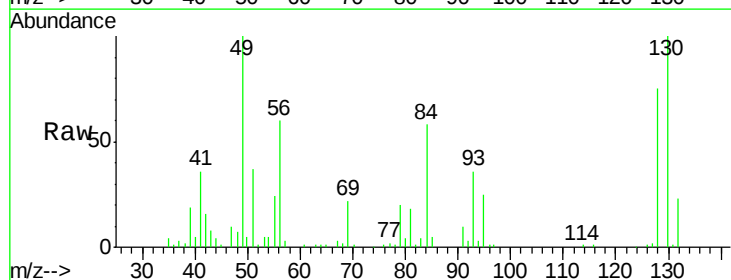
Tot Ion: 96 Resp: 171583
 Ion Ratio Lower Upper
 96 100
 61 116.2 0.0 241.6
 98 62.9 0.0 130.2

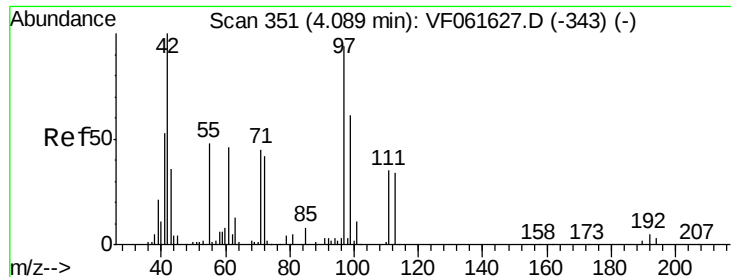


#28

Bromochloromethane
 Concen: 50.814 ug/l
 RT: 3.70 min Scan# 311
 Delta R.T. -0.02 min
 Lab File: VF061801.D
 Acq: 1 Mar 2019 12:59

Tgt Ion: 49 Resp: 106939
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.4
 130 99.7 77.7 116.5

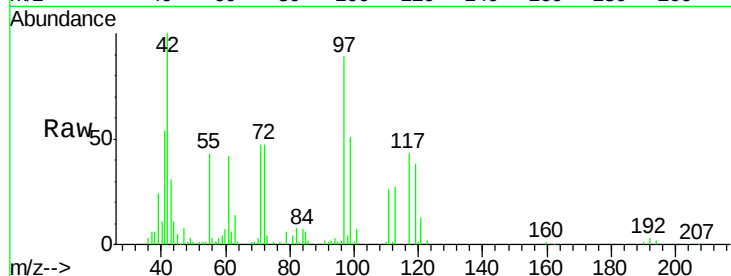




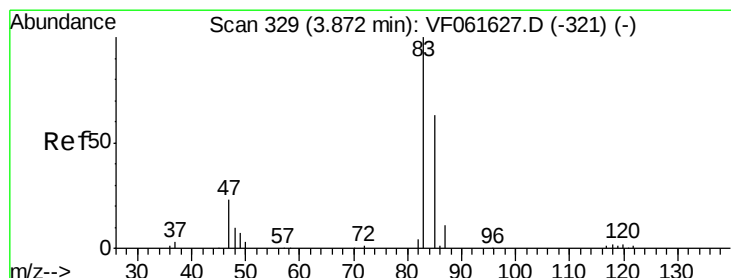
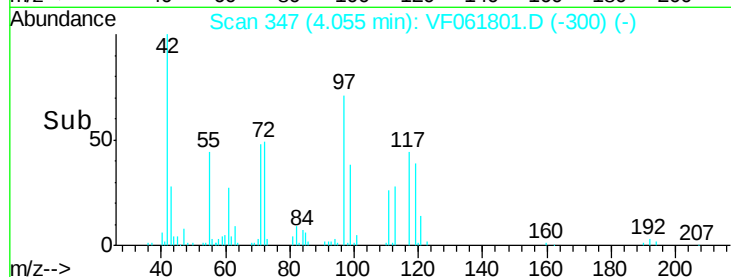
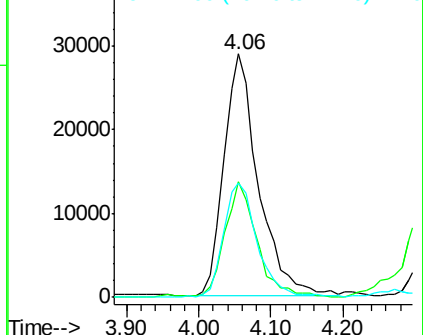
#29
Tetrahydrofuran
Concen: 212.649 ug/l
RT: 4.06 min Scan# 347
Delta R.T. -0.03 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 95380
Ion Ratio Lower Upper
42 100
72 44.6 35.2 52.8
71 46.9 32.9 49.3

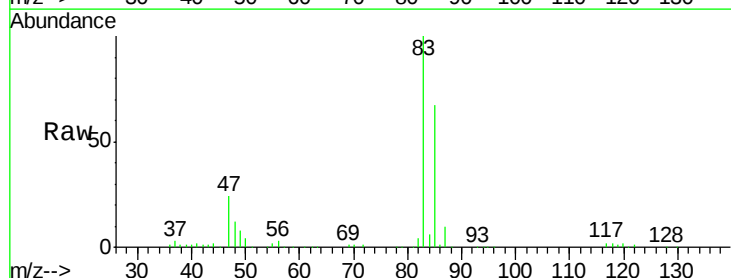


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

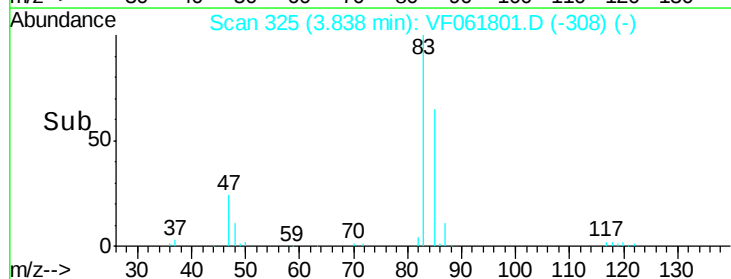
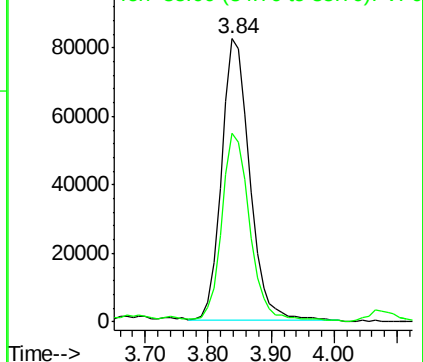


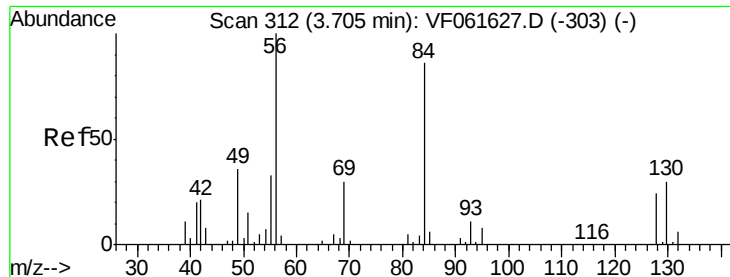
#30
Chloroform
Concen: 51.266 ug/l
RT: 3.84 min Scan# 325
Delta R.T. -0.03 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

Tgt Ion: 83 Resp: 255716
Ion Ratio Lower Upper
83 100
85 66.5 51.1 76.7



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

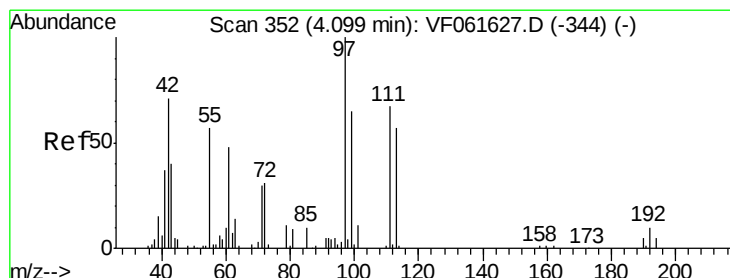
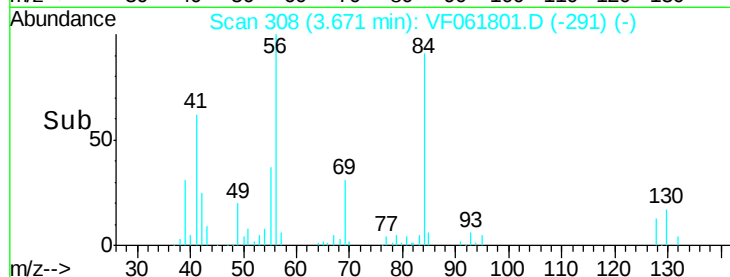
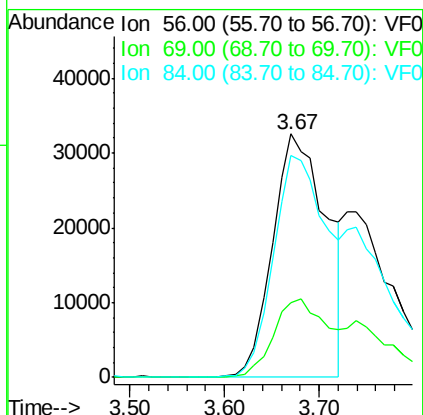
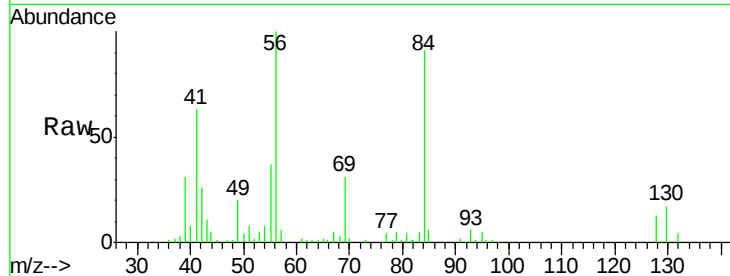




#31
Cyclohexane
Concen: 27.153 ug/l
RT: 3.67 min Scan# 308
Delta R.T. -0.03 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

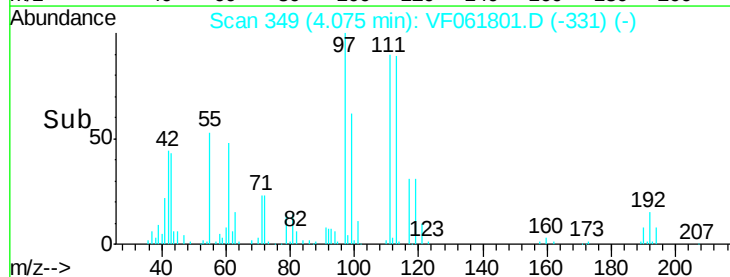
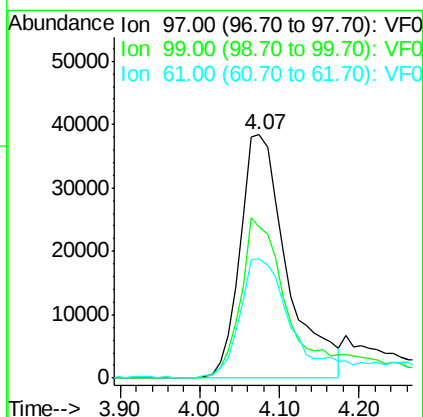
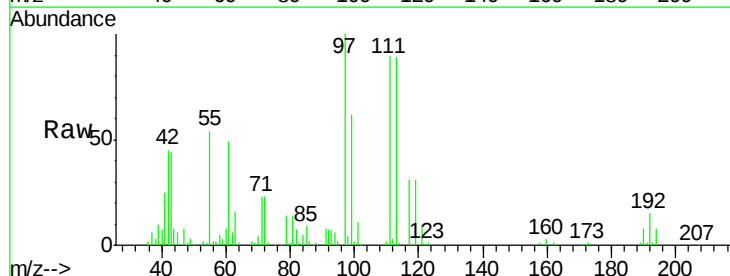
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

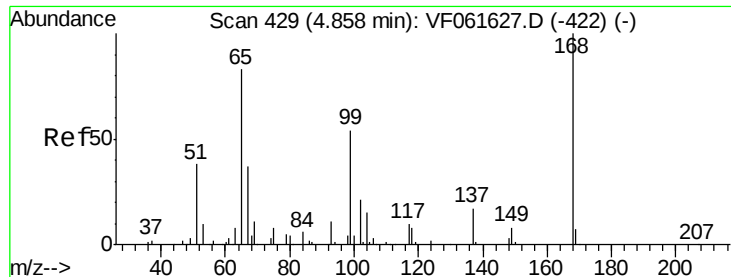
Tot Ion: 56 Resp: 128928
Ion Ratio Lower Upper
56 100
69 30.9 23.8 35.8
84 91.1 68.6 103.0



#32
1,1,1-Trichloroethane
Concen: 48.034 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.02 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

Tgt Ion: 97 Resp: 156951
Ion Ratio Lower Upper
97 100
99 62.2 52.2 78.2
61 49.0 39.2 58.8





#33

1,2-Dichloroethane-d4

Concen: 59.875 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.03 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Instrument :

MSVOA_F

ClientSampleId :

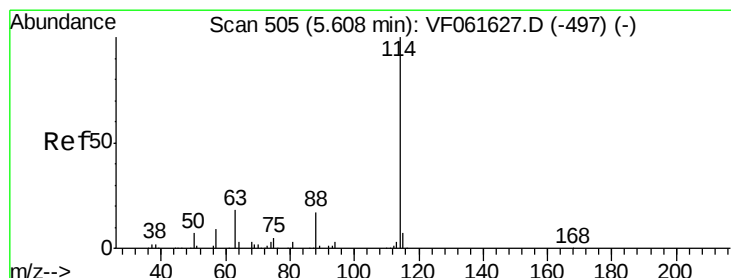
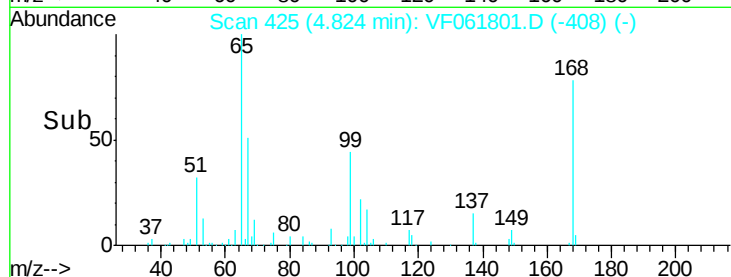
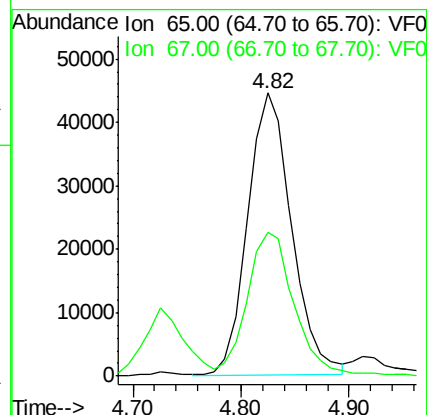
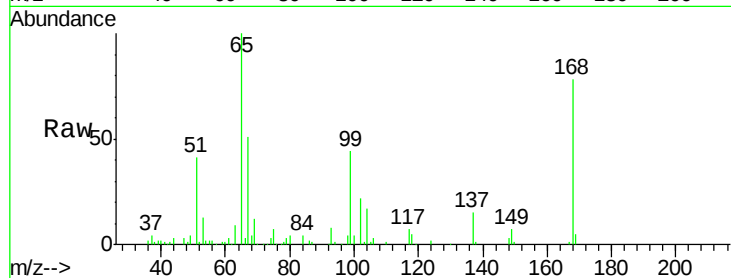
VSTDCCC050

Tot Ion: 65 Resp: 126079

Ion Ratio Lower Upper

65 100

67 51.0 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.03 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

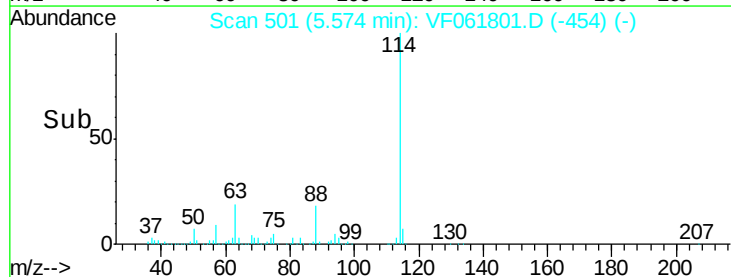
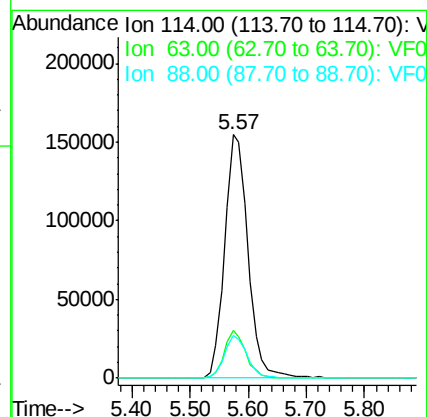
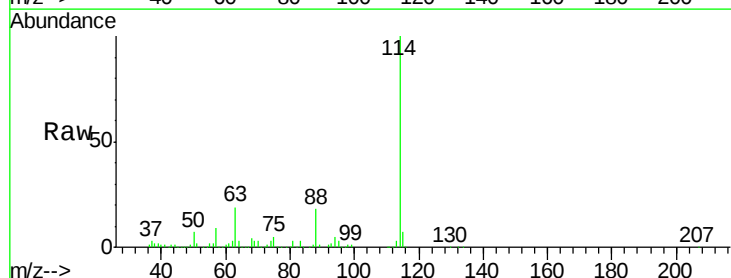
Tgt Ion: 114 Resp: 430497

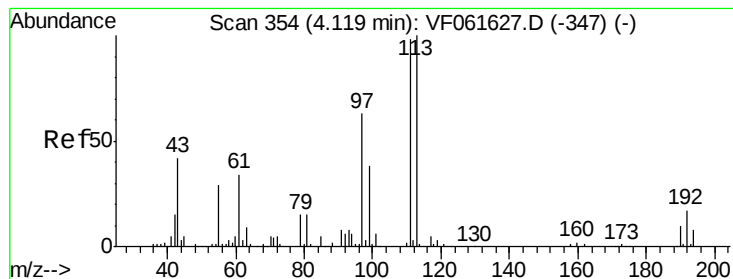
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.6

88 17.6 0.0 34.4





#35

Dibromofluoromethane

Concen: 55.922 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

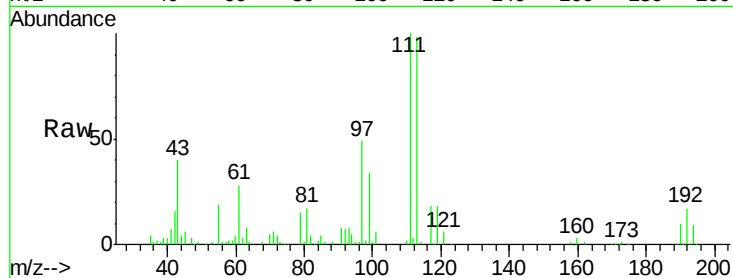
Tot Ion:113 Resp: 178777

Ion Ratio Lower Upper

113 100

111 101.9 78.8 118.2

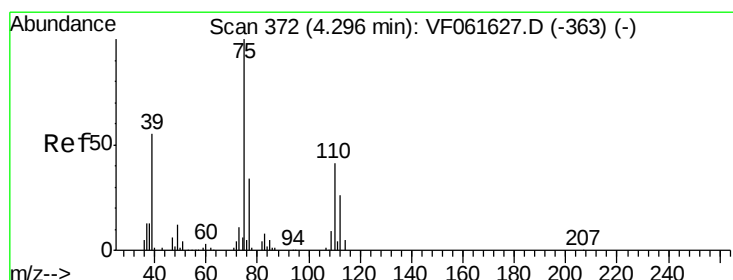
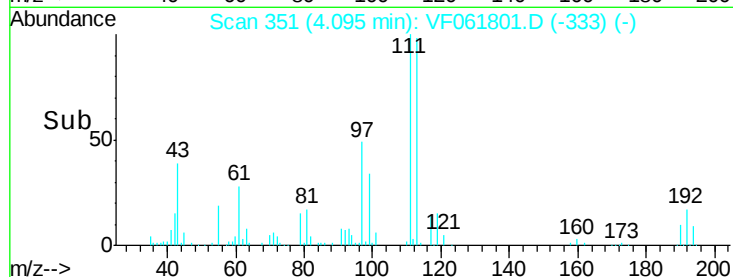
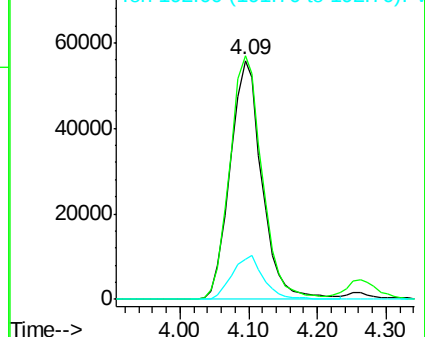
192 16.9 13.4 20.0



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: 46.430 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.03 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

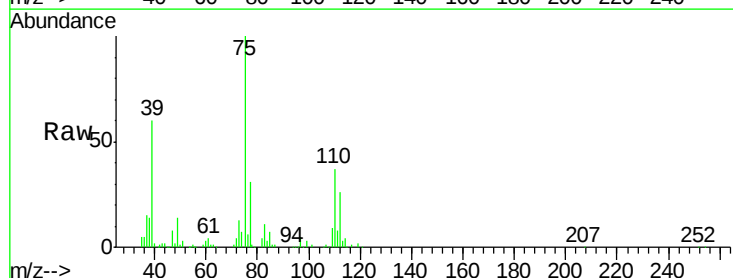
Tgt Ion: 75 Resp: 198005

Ion Ratio Lower Upper

75 100

110 37.5 20.5 61.6

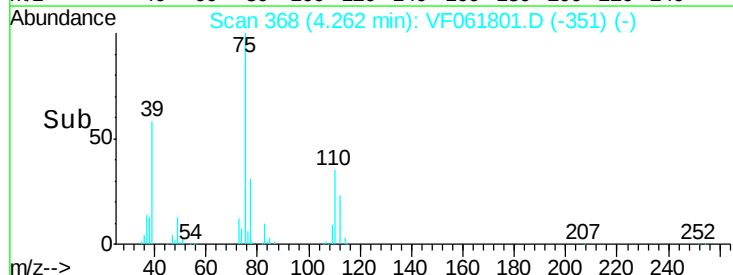
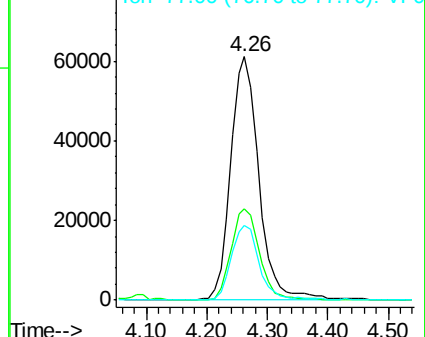
77 30.8 27.0 40.4

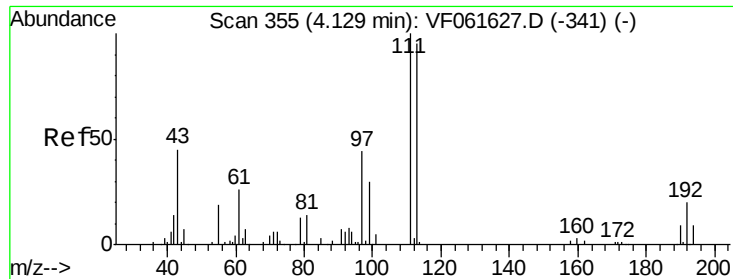


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

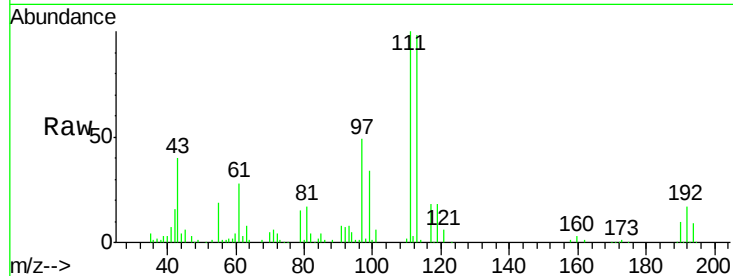




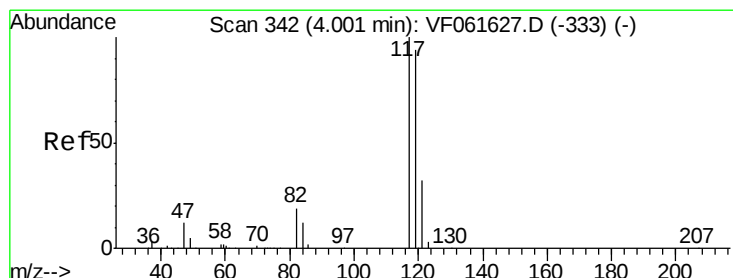
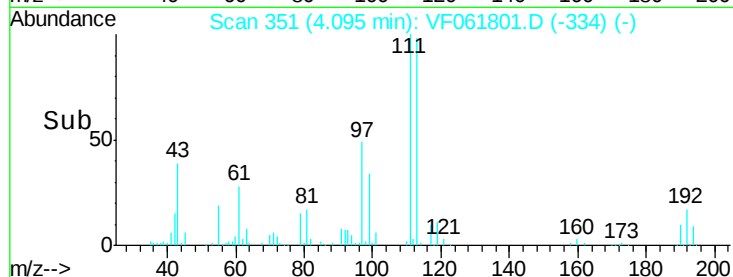
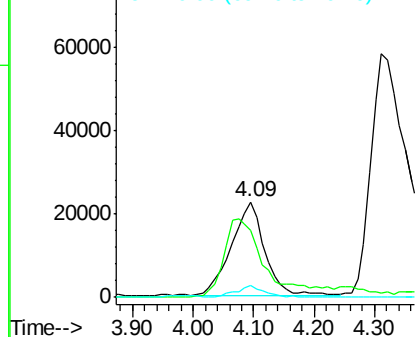
#37
Ethyl Acetate
Concen: 42.766 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.03 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 84711
Ion Ratio Lower Upper
43 100
61 69.8 45.7 68.5#
70 11.9 8.5 12.7

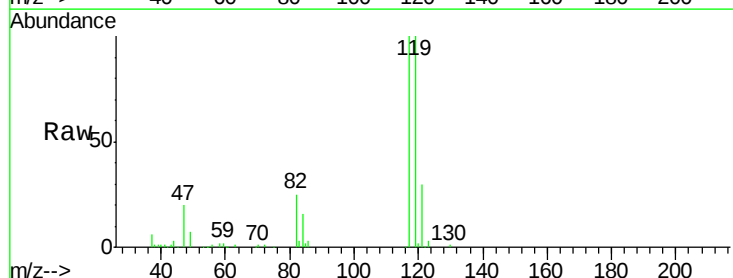


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

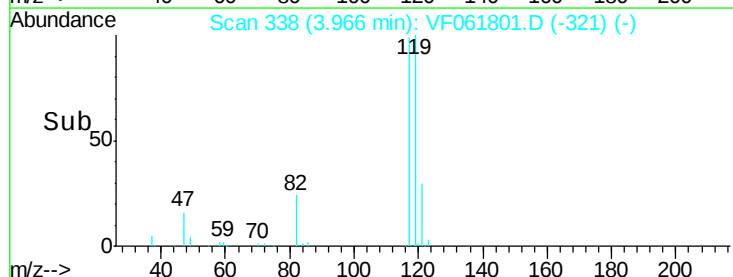
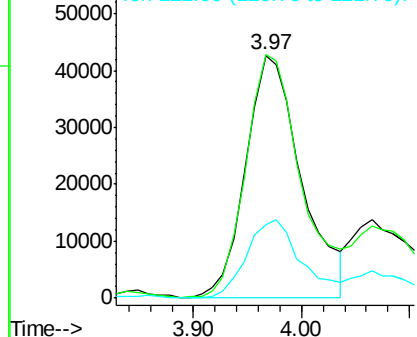


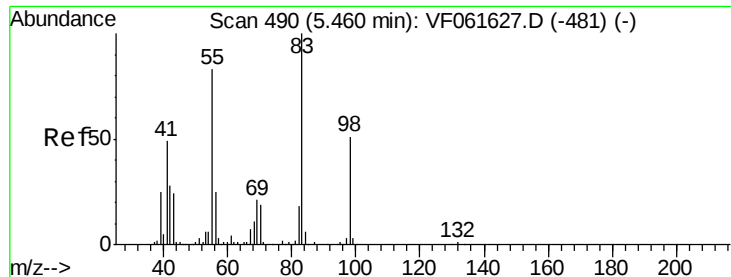
#38
Carbon Tetrachloride
Concen: 52.148 ug/l
RT: 3.97 min Scan# 338
Delta R.T. -0.03 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

Tgt Ion: 117 Resp: 153564
Ion Ratio Lower Upper
117 100
119 100.4 75.6 113.4
121 30.1 25.2 37.8



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

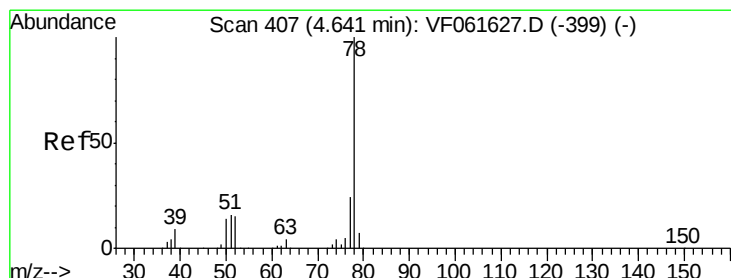
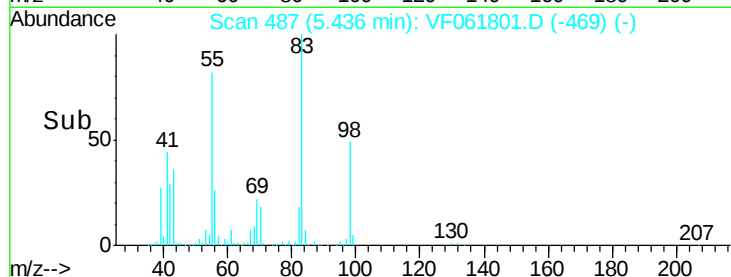
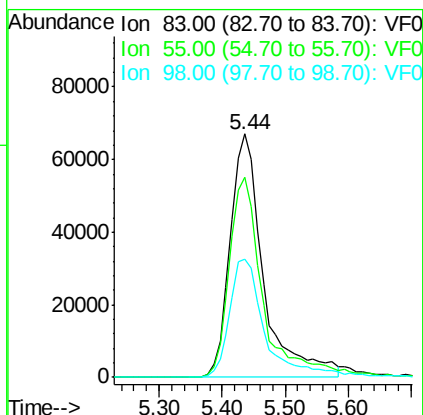
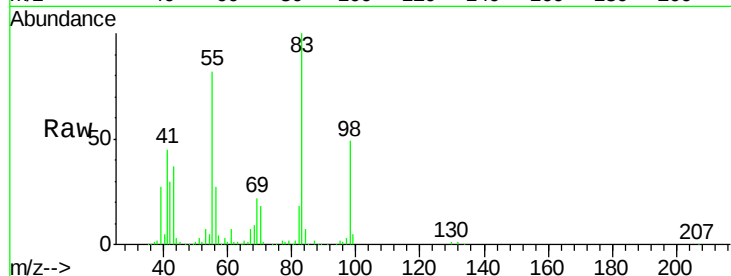




#39
Methvlcvclohexane
Concen: 48.804 ug/l
RT: 5.44 min Scan# 487
Delta R.T. -0.02 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

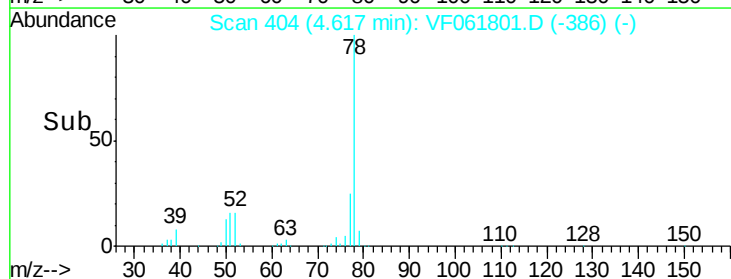
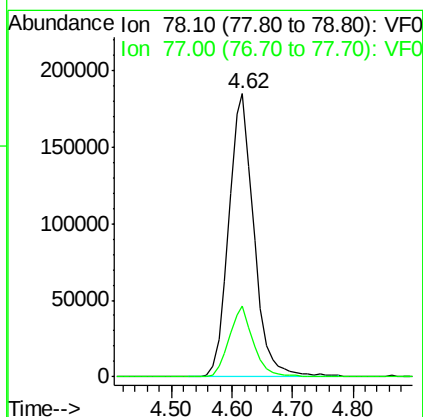
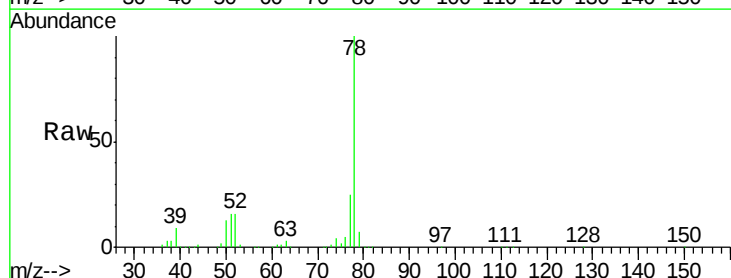
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

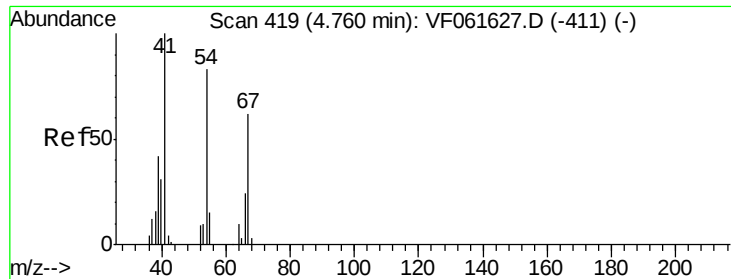
Tot Ion: 83 Resp: 246145
Ion Ratio Lower Upper
83 100
55 82.4 66.6 99.8
98 48.6 40.4 60.6



#40
Benzene
Concen: 47.887 ug/l
RT: 4.62 min Scan# 404
Delta R.T. -0.02 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

Tgt Ion: 78 Resp: 534169
Ion Ratio Lower Upper
78 100
77 25.2 19.0 28.6

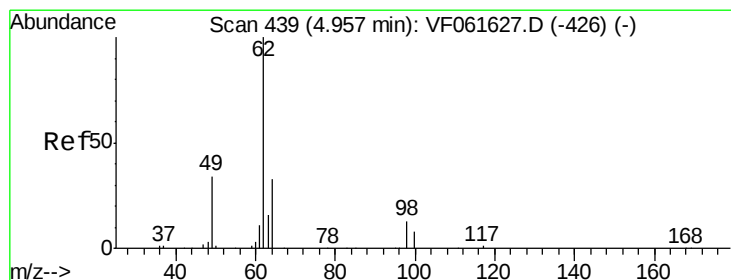
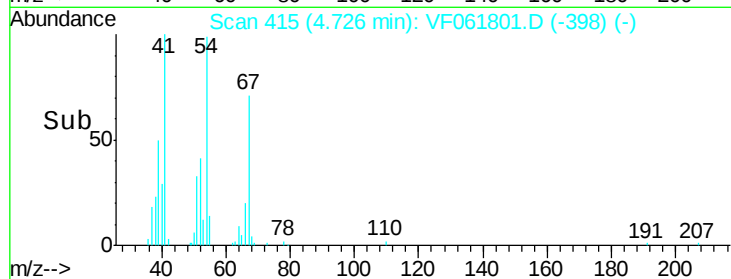
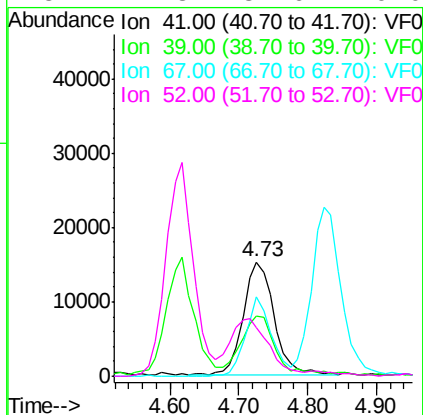
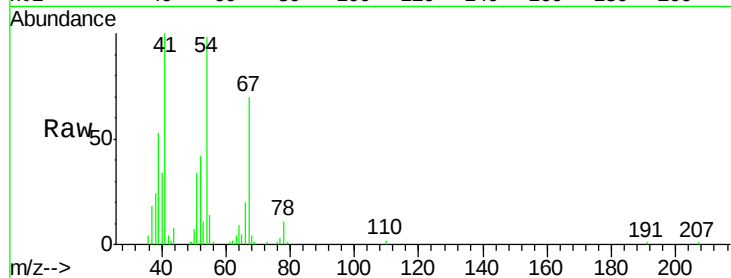




#41
Methacrylonitrile
Concen: 46.411 ug/l
RT: 4.73 min Scan# 415
Delta R.T. -0.03 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

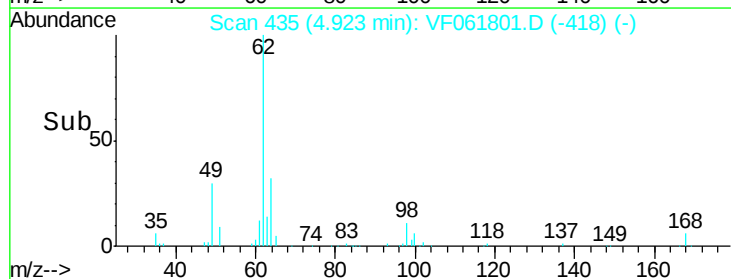
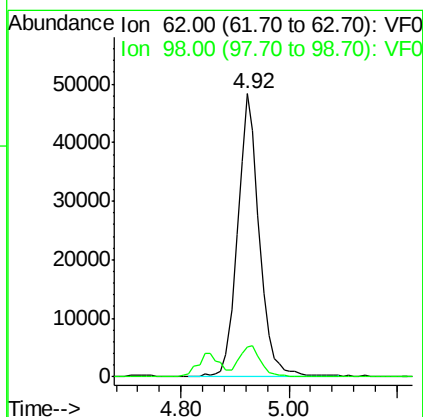
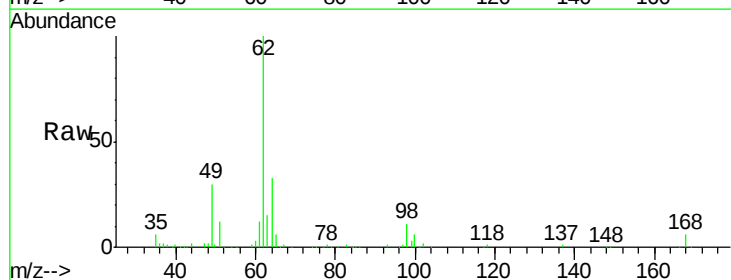
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	47014
Ion	Ratio	Lower	Upper
41	100		
39	53.0	45.3	67.9
67	70.2	49.3	73.9
52	42.3	32.6	49.0



#42
1,2-Dichloroethane
Concen: 50.778 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.03 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

Tgt Ion:	62	Resp:	135490
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	26.0





#43

Isopropyl Acetate

Concen: 44.799 ug/l

RT: 6.94 min Scan# 640

Delta R.T. -0.02 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

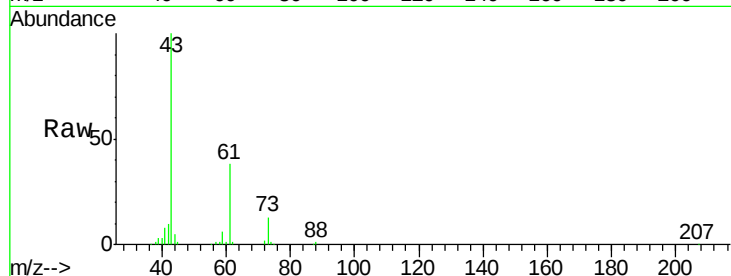
Tot Ion: 43 Resp: 105037

Ion Ratio Lower Upper

43 100

61 37.8 25.8 38.6

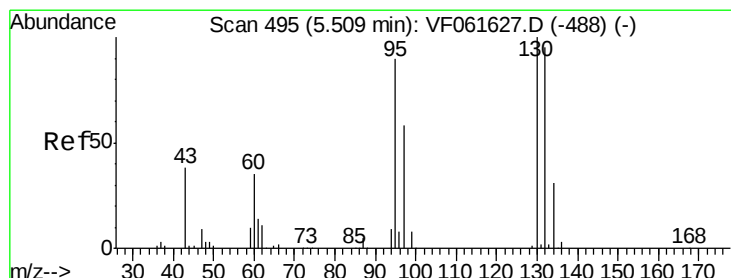
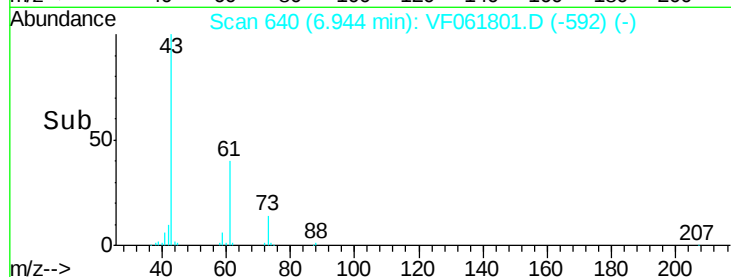
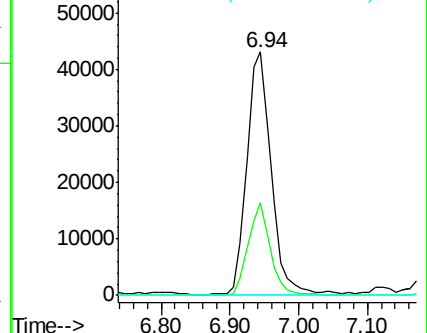
87 0.3 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 47.936 ug/l

RT: 5.49 min Scan# 492

Delta R.T. -0.02 min

Lab File: VF061801.D

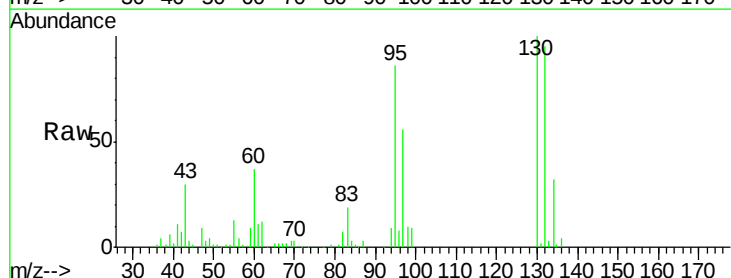
Acq: 1 Mar 2019 12:59

Tgt Ion:130 Resp: 172914

Ion Ratio Lower Upper

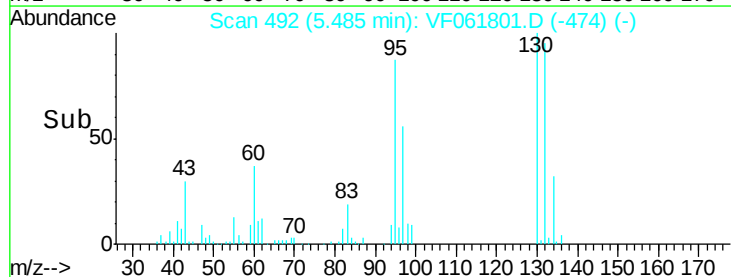
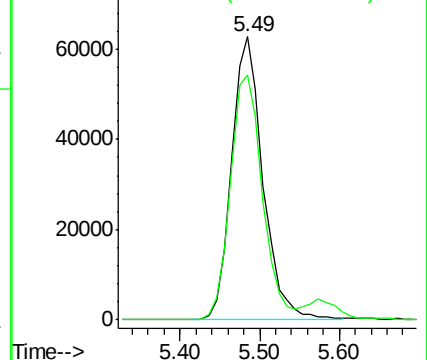
130 100

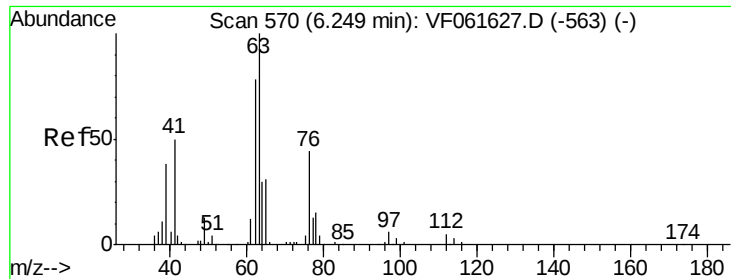
95 86.4 0.0 179.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 45.964 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.03 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Instrument :

MSVOA_F

ClientSampleId :

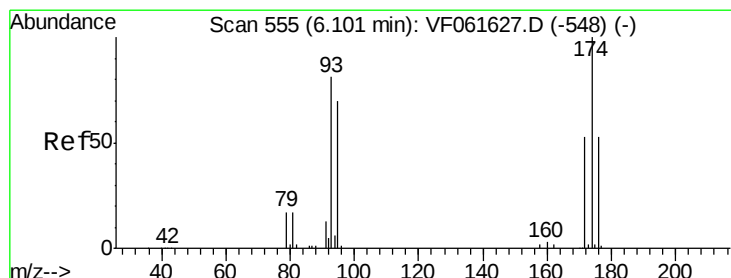
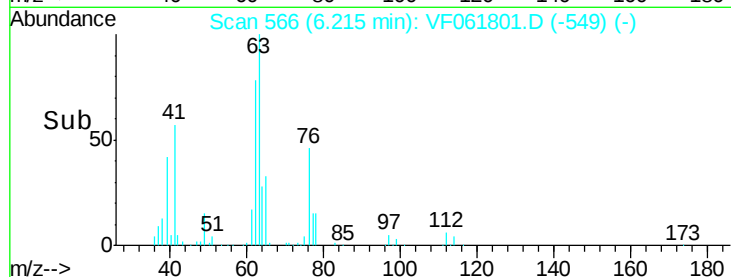
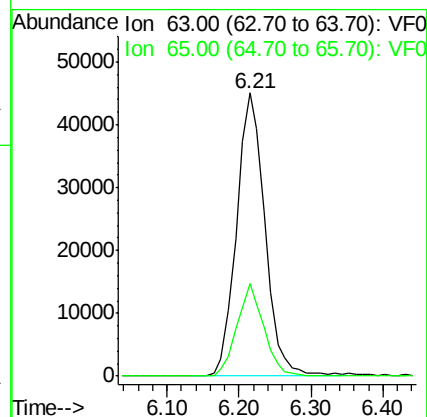
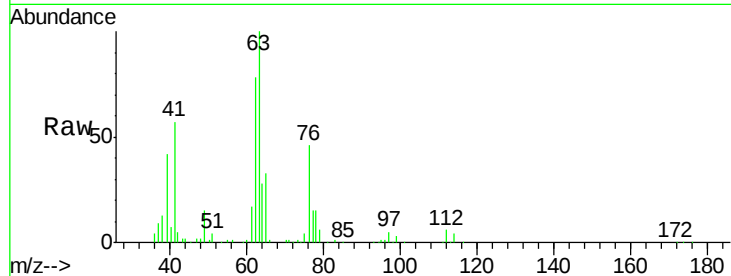
VSTDCCC050

Tot Ion: 63 Resp: 123933

Ion Ratio Lower Upper

63 100

65 32.6 24.9 37.3



#46

Dibromomethane

Concen: 48.945 ug/l

RT: 6.07 min Scan# 551

Delta R.T. -0.03 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

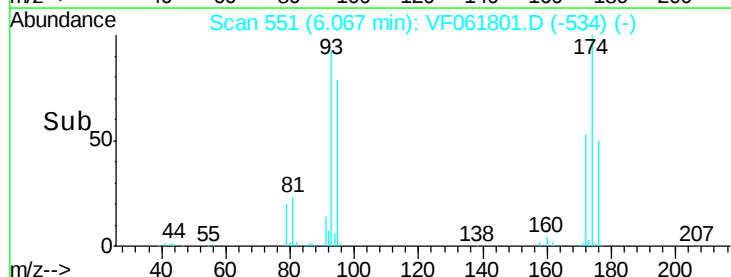
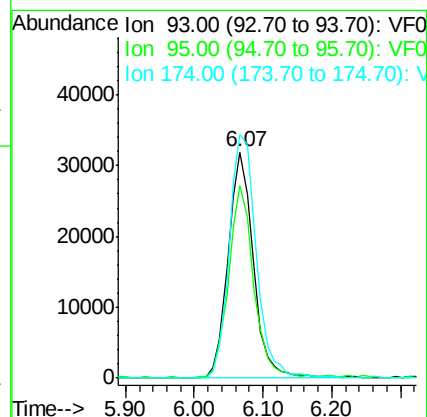
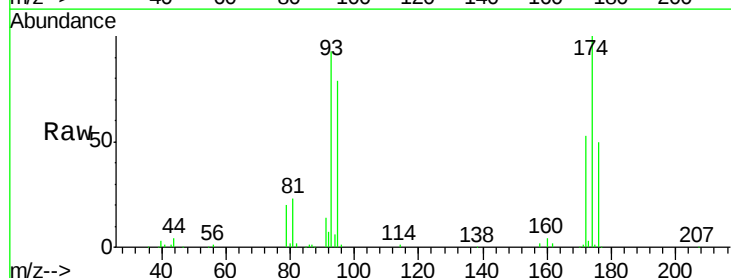
Tgt Ion: 93 Resp: 81256

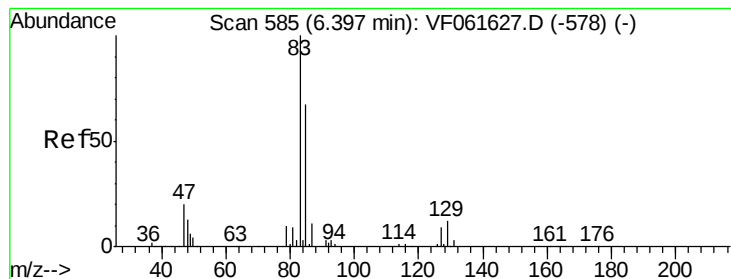
Ion Ratio Lower Upper

93 100

95 85.5 69.0 103.6

174 107.8 99.3 148.9





#47

Bromodichloromethane

Concen: 50.515 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.03 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

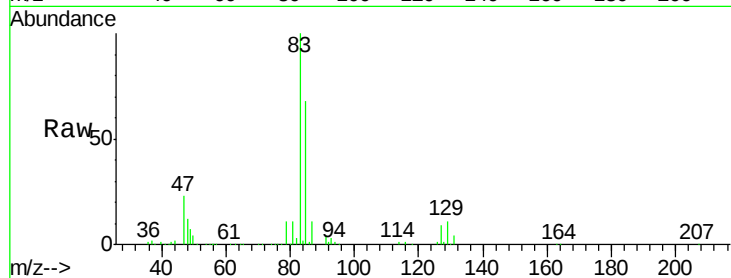
Tot Ion: 83 Resp: 183647

Ion Ratio Lower Upper

83 100

85 68.4 53.4 80.2

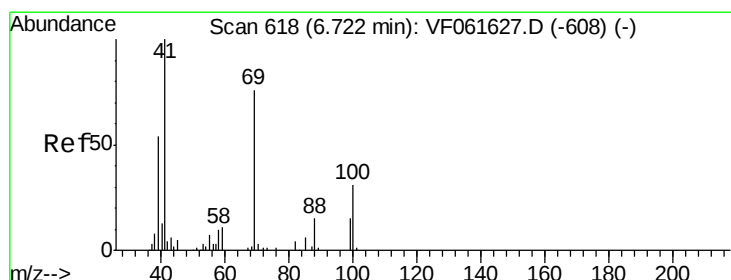
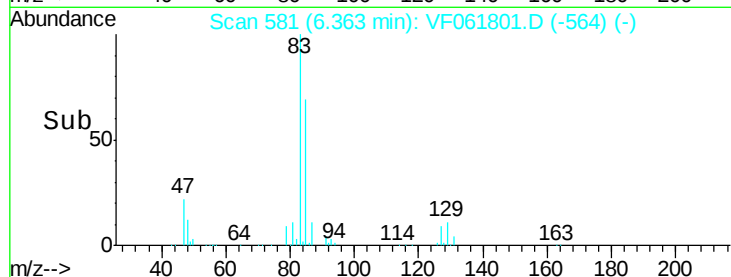
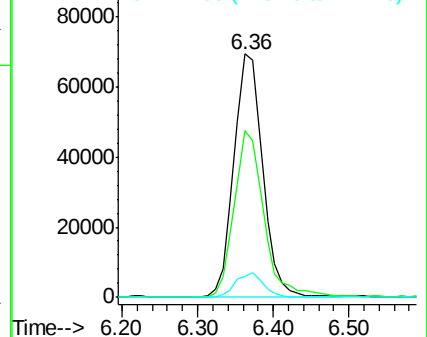
127 8.5 7.5 11.3



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: 47.463 ug/l

RT: 6.70 min Scan# 615

Delta R.T. -0.02 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

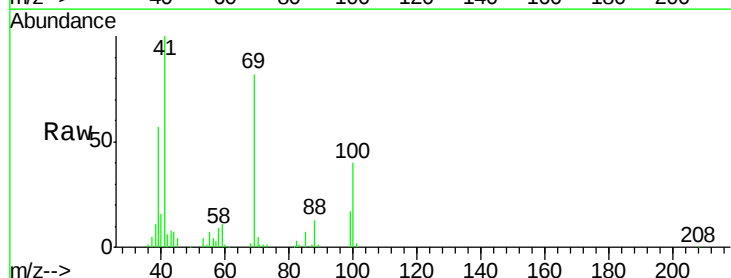
Tgt Ion: 41 Resp: 66970

Ion Ratio Lower Upper

41 100

69 82.3 60.4 90.6

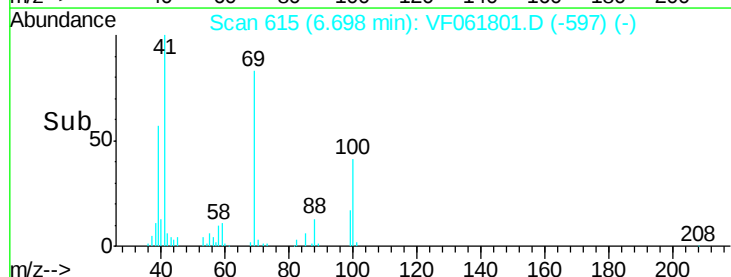
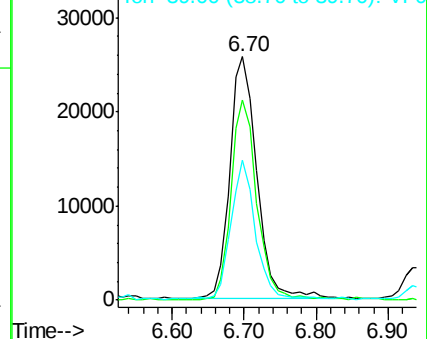
39 57.3 43.7 65.5

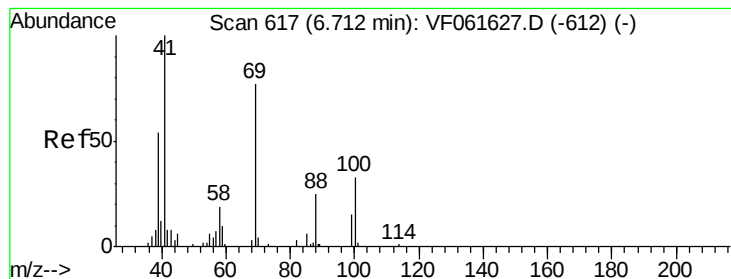


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 917.976 ug/l

RT: 6.69 min Scan# 614

Delta R.T. -0.02 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

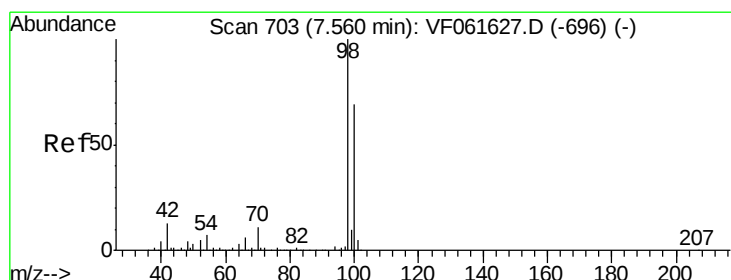
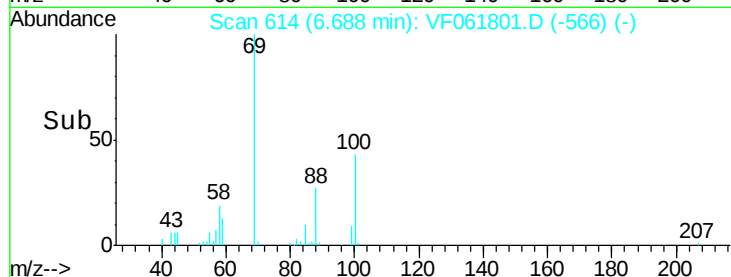
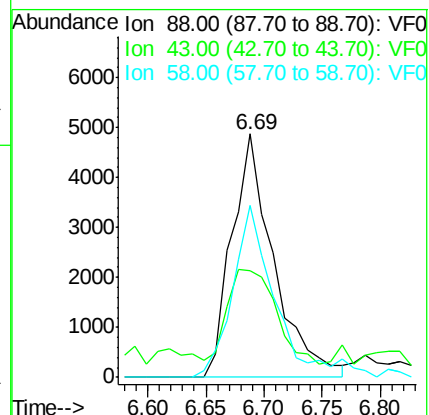
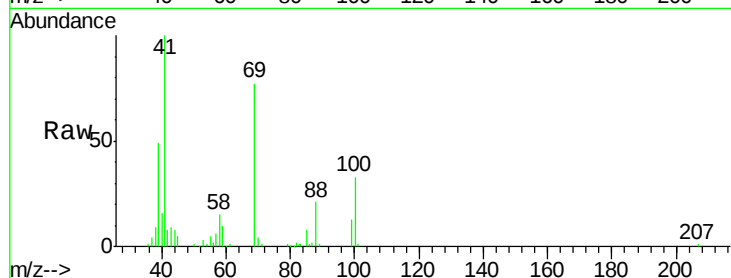
Tot Ion: 88 Resp: 12176

Ion Ratio Lower Upper

88 100

43 43.8 32.3 48.5

58 70.4 59.4 89.2



#50

Toluene-d8

Concen: 54.783 ug/l

RT: 7.54 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF061801.D

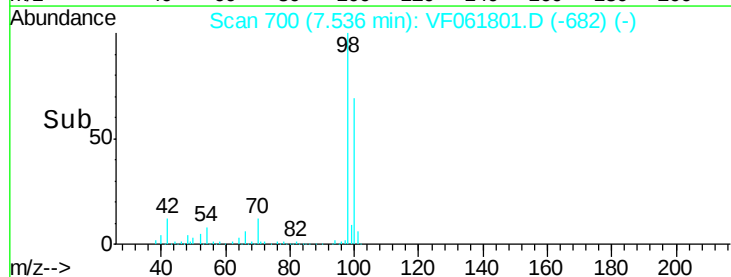
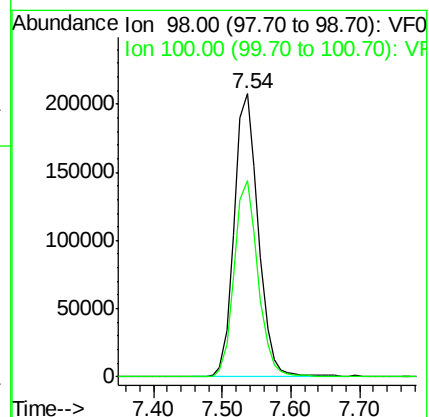
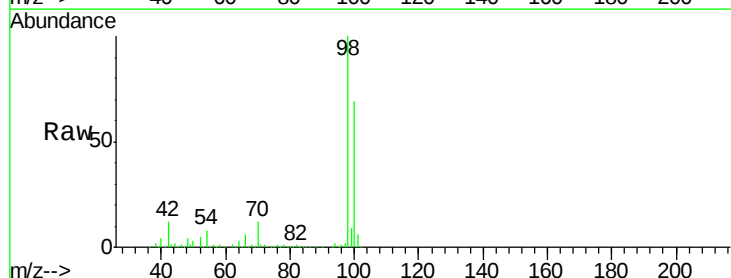
Acq: 1 Mar 2019 12:59

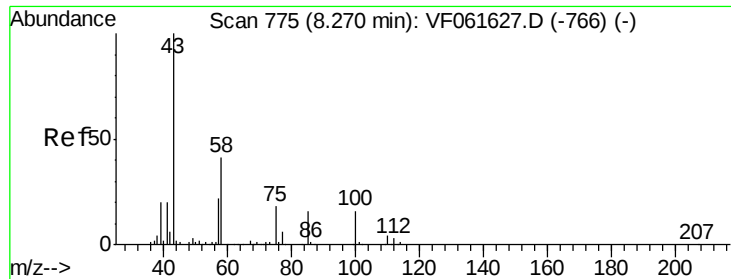
Tgt Ion: 98 Resp: 503469

Ion Ratio Lower Upper

98 100

100 69.5 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 221.867 ug/l

RT: 8.24 min Scan# 771

Delta R.T. -0.03 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Instrument :

MSVOA_F

ClientSampleId :

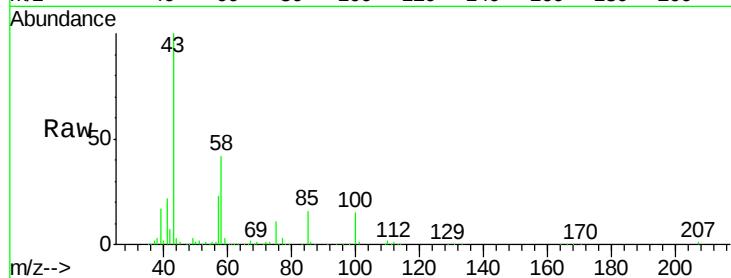
VSTDCCC050

Tot Ion: 43 Resp: 371699

Ion Ratio Lower Upper

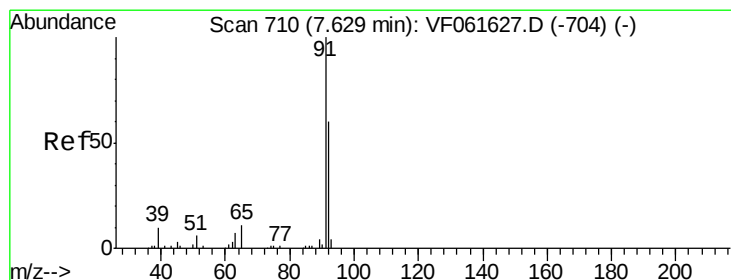
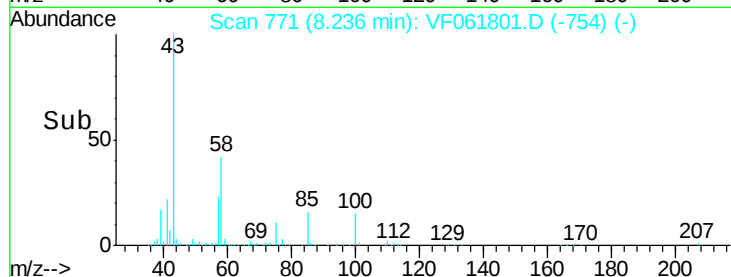
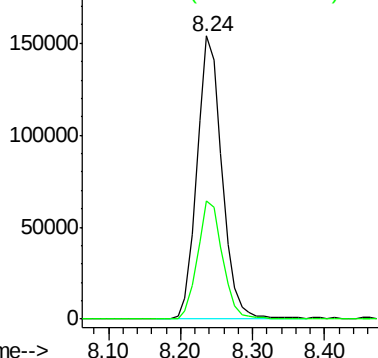
43 100

58 41.9 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 47.393 ug/l

RT: 7.61 min Scan# 707

Delta R.T. -0.02 min

Lab File: VF061801.D

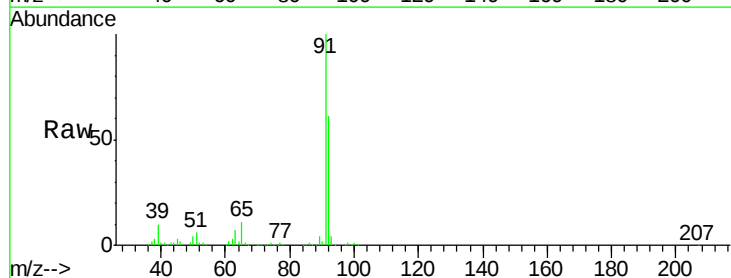
Acq: 1 Mar 2019 12:59

Tgt Ion: 92 Resp: 320620

Ion Ratio Lower Upper

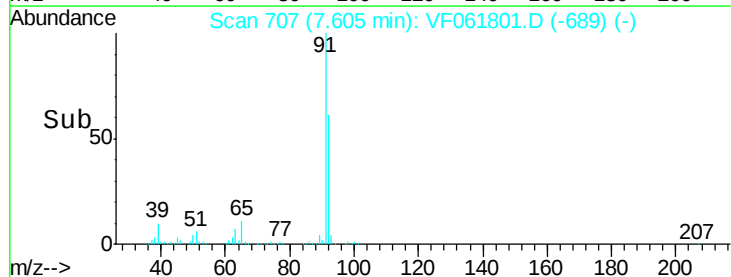
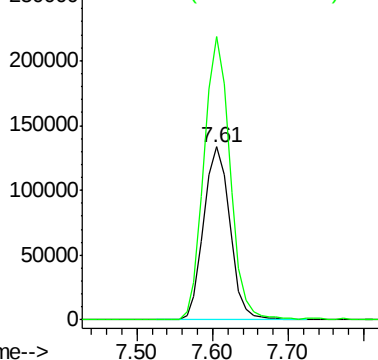
92 100

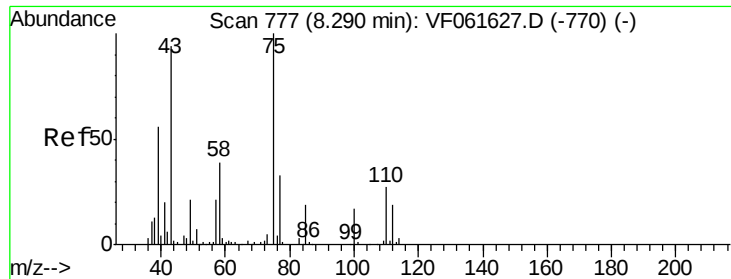
91 163.7 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

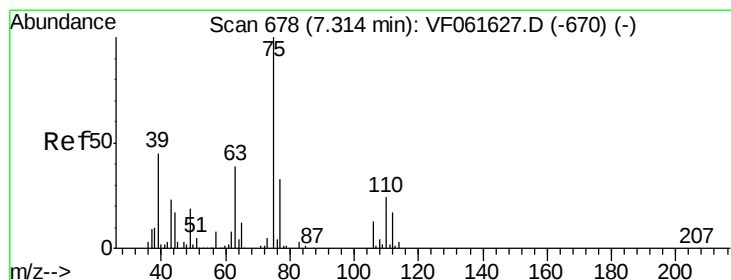
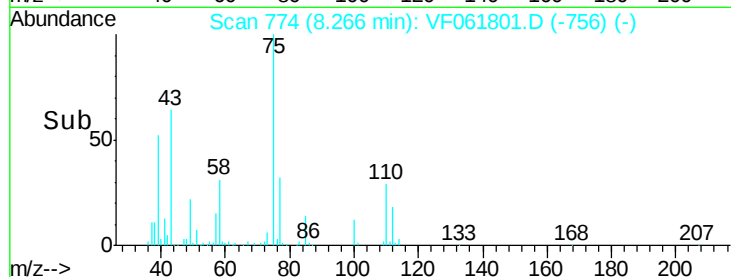
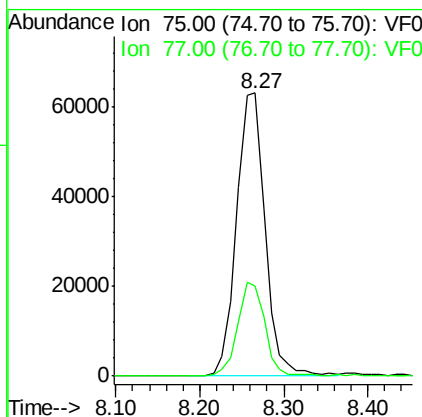
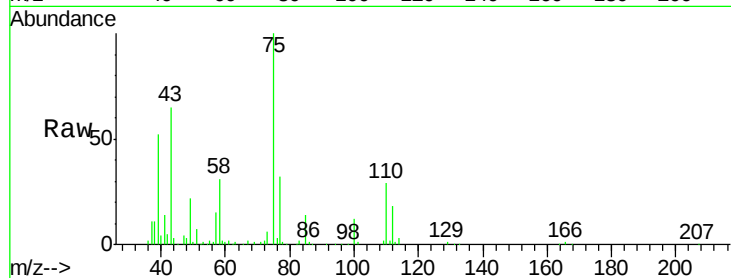




#53
t-1,3-Dichloropropene
Concen: 49.515 ug/l
RT: 8.27 min Scan# 774
Delta R.T. -0.02 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

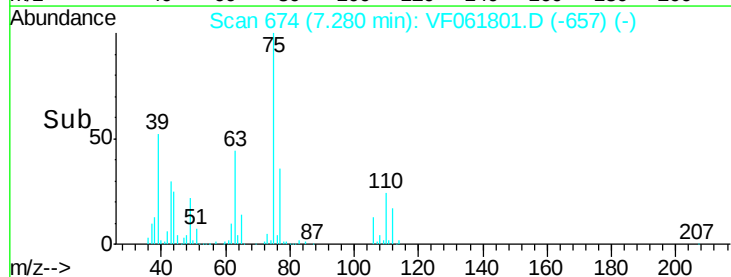
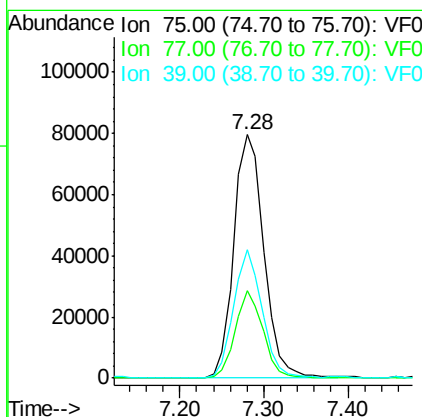
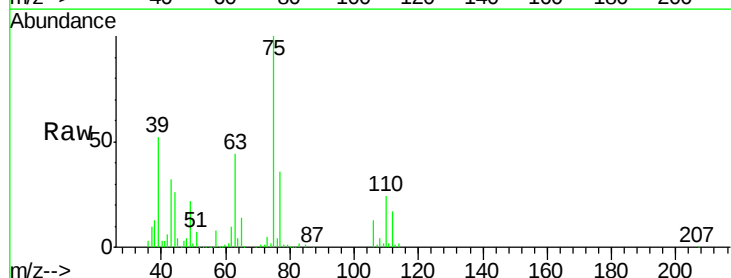
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

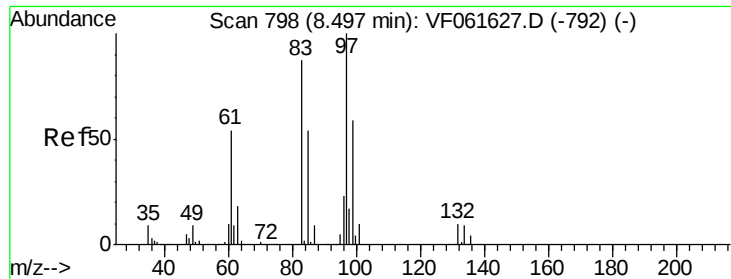
Tot Ion: 75 Resp: 149816
Ion Ratio Lower Upper
75 100
77 31.8 26.2 39.2



#54
cis-1,3-Dichloropropene
Concen: 49.187 ug/l
RT: 7.28 min Scan# 674
Delta R.T. -0.03 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

Tgt Ion: 75 Resp: 198233
Ion Ratio Lower Upper
75 100
77 36.0 26.4 39.6
39 52.5 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 48.055 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.02 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 95517

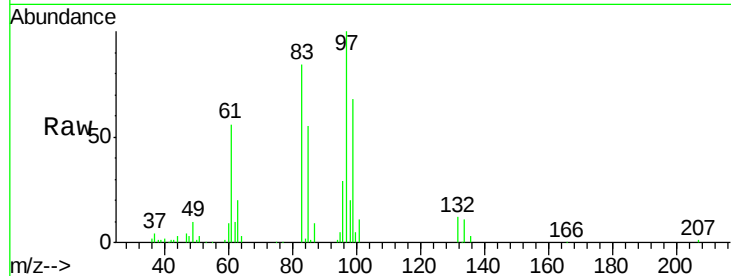
Ion Ratio Lower Upper

97 100

83 84.1 69.2 103.8

85 55.0 43.0 64.4

99 68.2 47.2 70.8

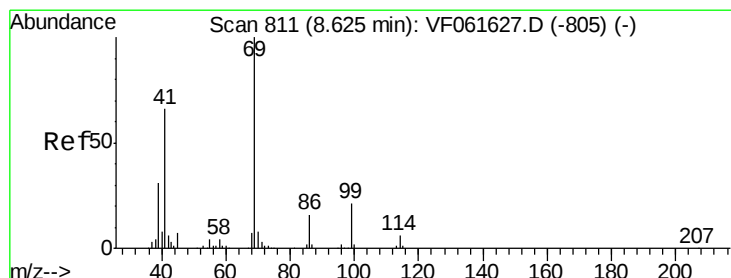
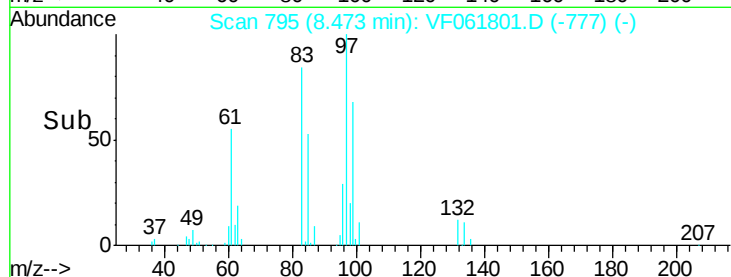
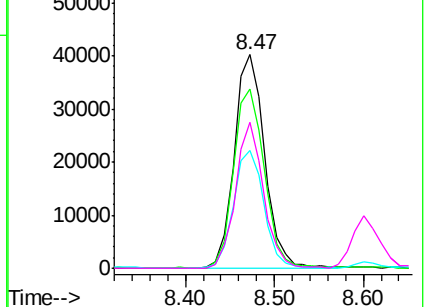


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 43.889 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.02 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

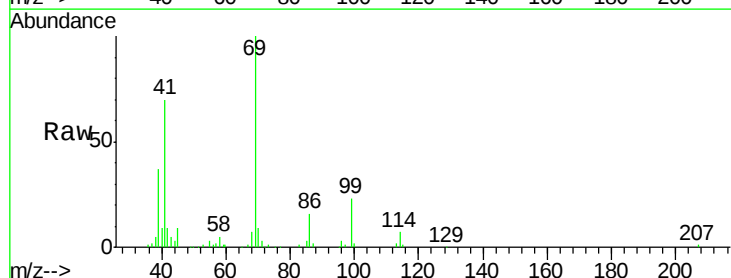
Tgt Ion: 69 Resp: 97126

Ion Ratio Lower Upper

69 100

41 69.8 52.9 79.3

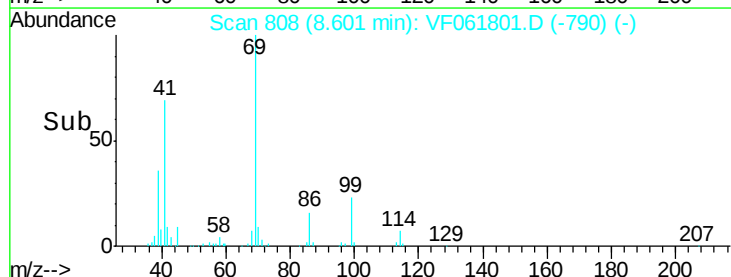
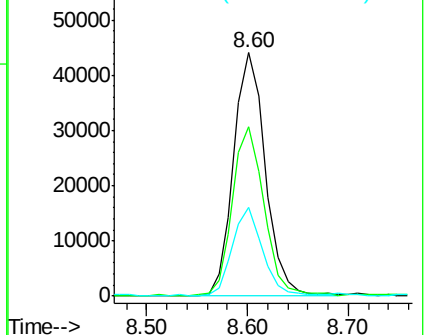
39 36.7 24.5 36.7

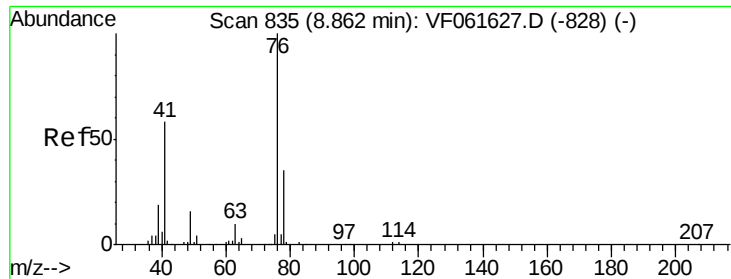


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 46.706 ug/l

RT: 8.84 min Scan# 832

Delta R.T. -0.02 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Instrument :

MSVOA_F

ClientSampleId :

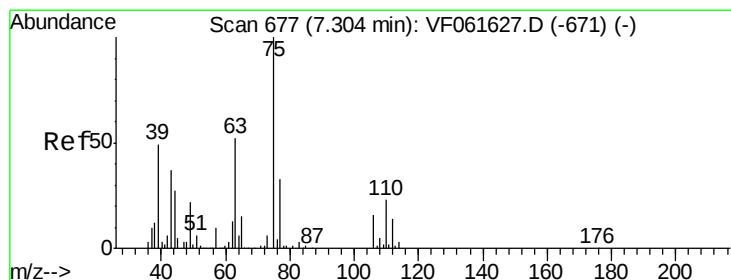
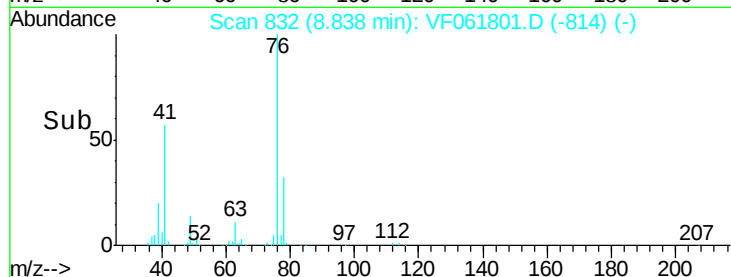
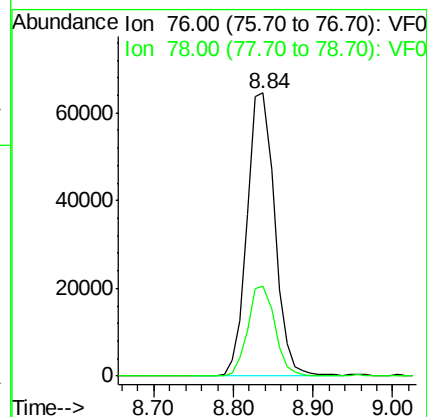
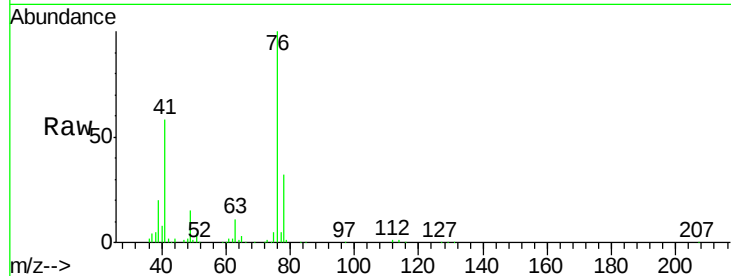
VSTDCCC050

Tot Ion: 76 Resp: 154955

Ion Ratio Lower Upper

76 100

78 31.8 27.8 41.6



#58

2-Chloroethyl Vinyl ether

Concen: 213.828 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.02 min

Lab File: VF061801.D

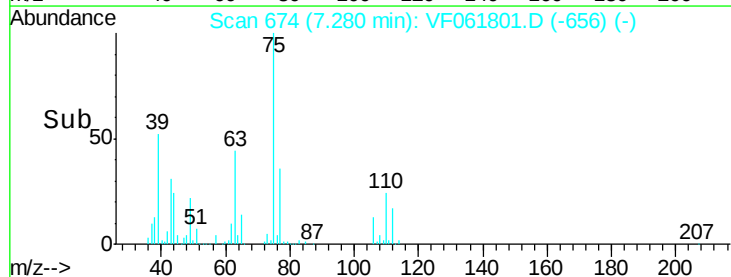
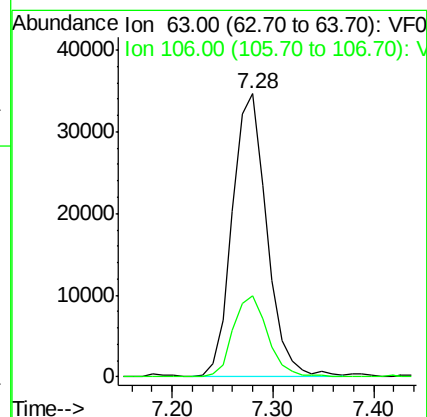
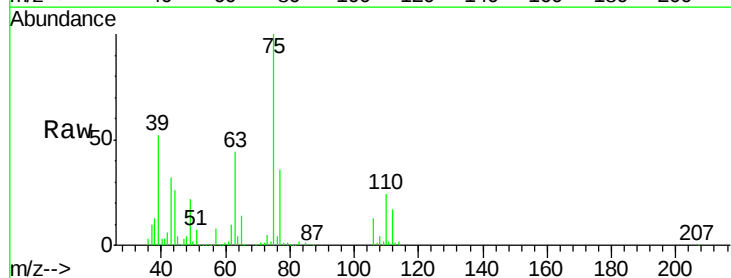
Acq: 1 Mar 2019 12:59

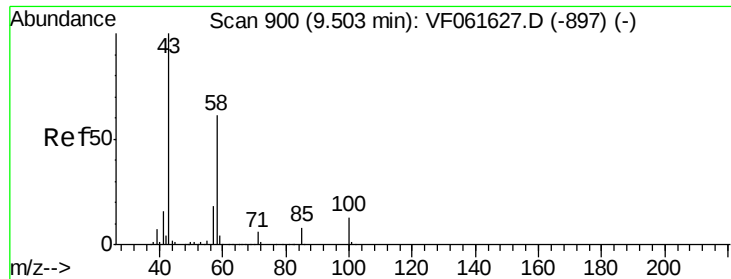
Tgt Ion: 63 Resp: 81644

Ion Ratio Lower Upper

63 100

106 28.8 24.6 36.8

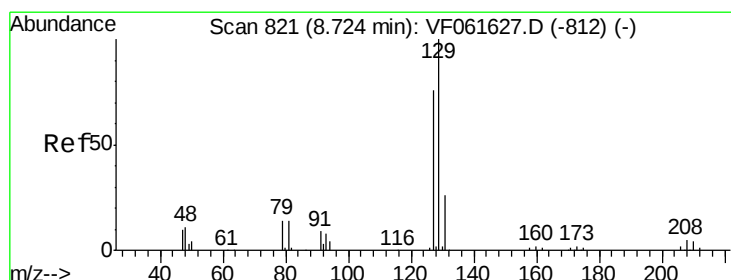
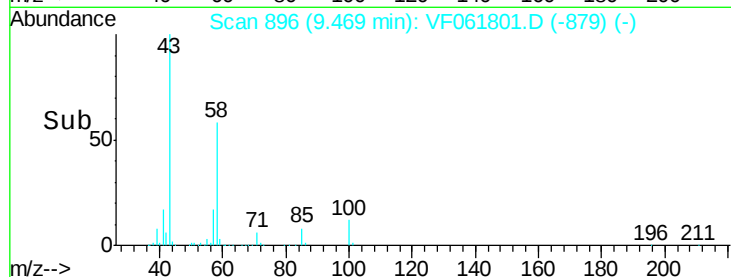
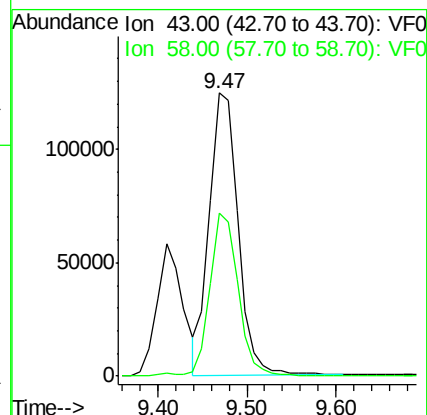
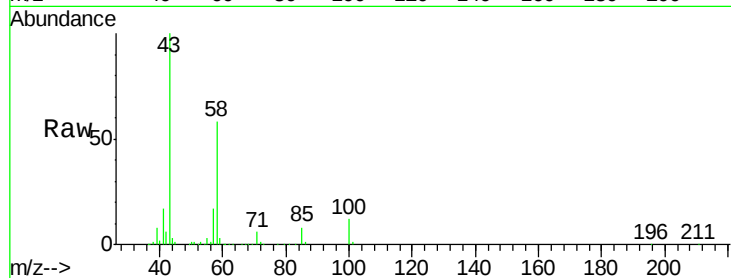




#59
2-Hexanone
Concen: 238.408 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.03 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

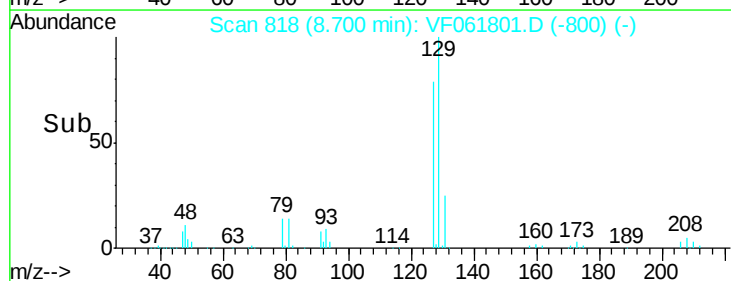
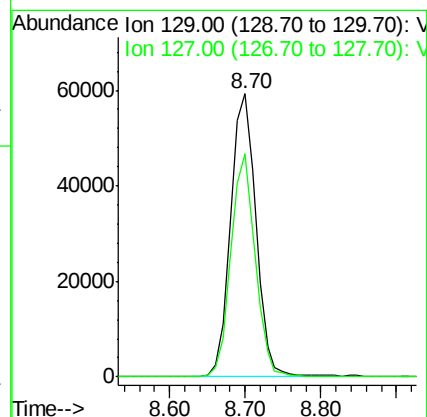
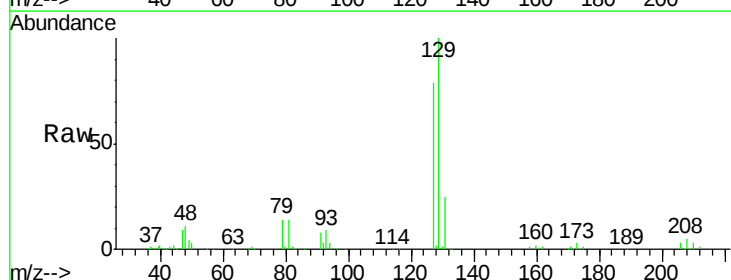
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

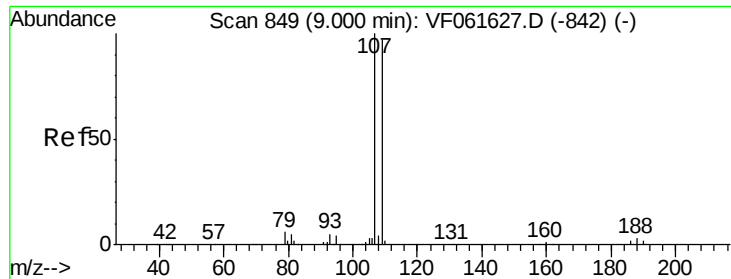
Tot Ion: 43 Resp: 279977
Ion Ratio Lower Upper
43 100
58 57.8 28.5 85.5



#60
Dibromochloromethane
Concen: 49.755 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.02 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

Tgt Ion: 129 Resp: 137653
Ion Ratio Lower Upper
129 100
127 78.7 37.8 113.4





#61

1,2-Dibromoethane

Concen: 47.864 ug/l

RT: 8.97 min Scan# 845

Delta R.T. -0.03 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Instrument :

MSVOA_F

ClientSampleId :

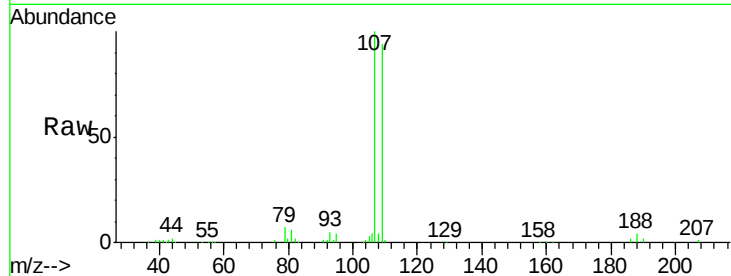
VSTDCCC050

Tot Ion:107 Resp: 103189

Ion Ratio Lower Upper

107 100

109 94.0 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.97

50000

40000

30000

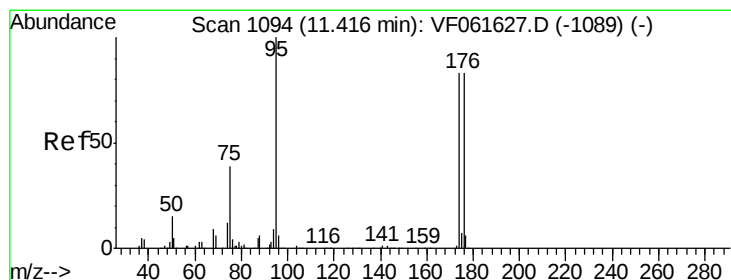
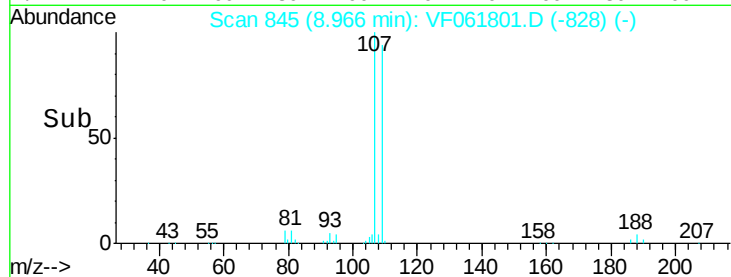
20000

10000

0

Time-->

8.90 9.00 9.10



#62

4-Bromofluorobenzene

Concen: 53.194 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

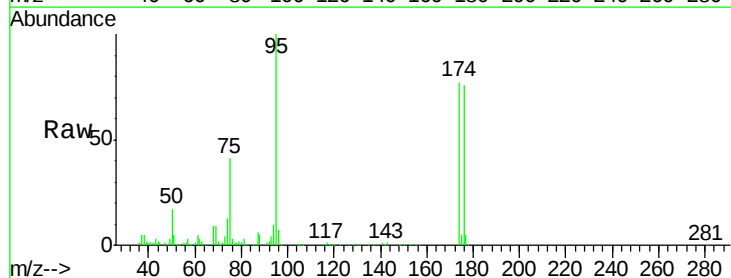
Tgt Ion: 95 Resp: 197801

Ion Ratio Lower Upper

95 100

174 76.9 0.0 165.8

176 76.1 0.0 167.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.39

150000

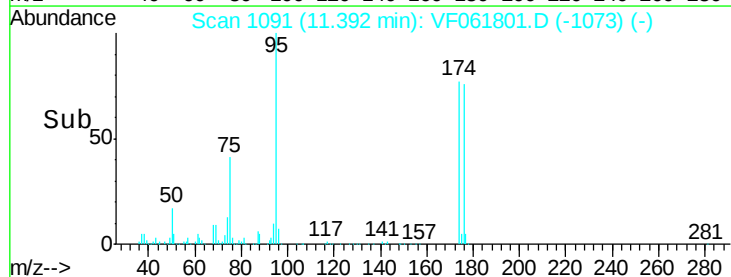
100000

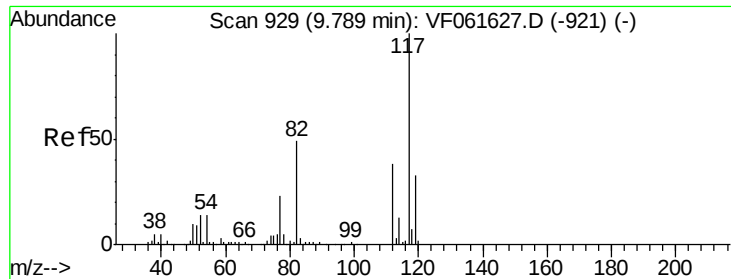
50000

0

Time-->

11.30 11.40 11.50

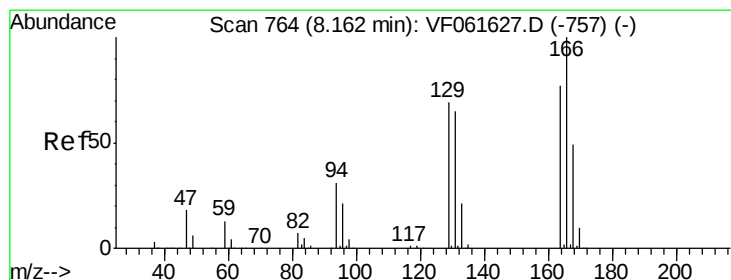
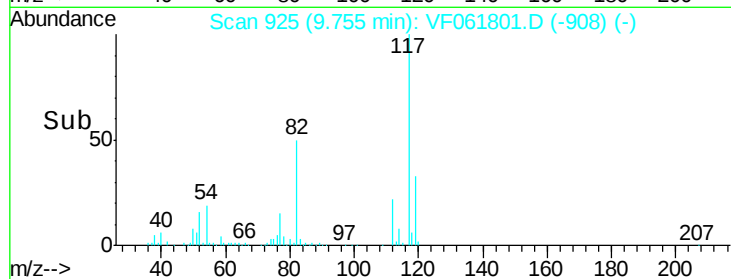
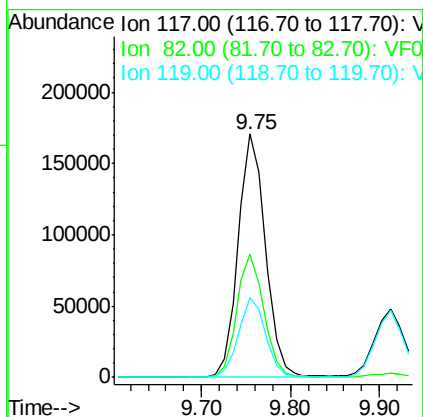
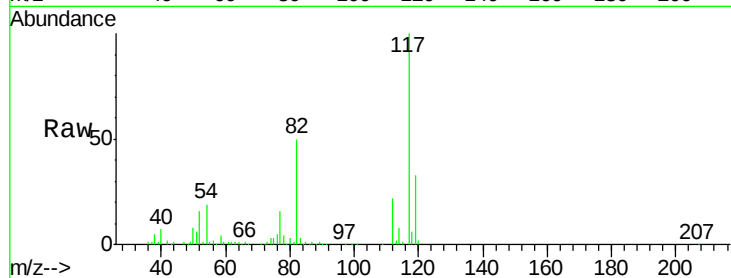




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.03 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

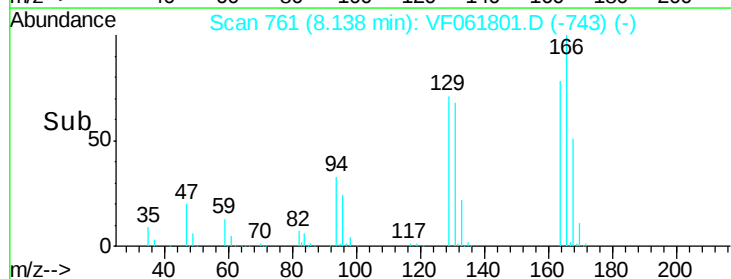
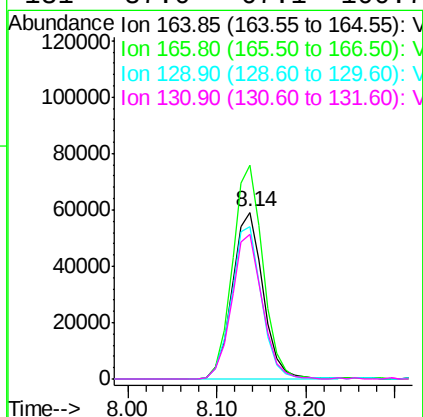
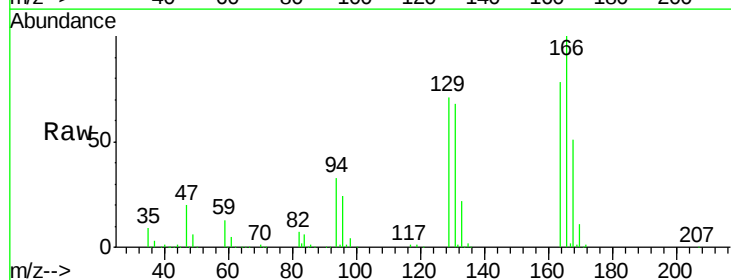
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

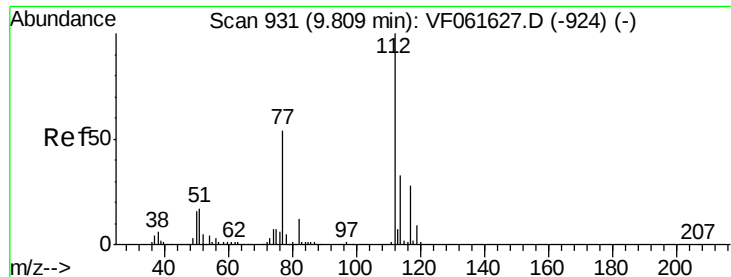
Tot Ion:117 Resp: 366658
Ion Ratio Lower Upper
117 100
82 50.5 39.3 58.9
119 32.9 26.6 40.0



#64
Tetrachloroethene
Concen: 47.652 ug/l
RT: 8.14 min Scan# 761
Delta R.T. -0.02 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

Tgt Ion:164 Resp: 142814
Ion Ratio Lower Upper
164 100
166 128.1 103.9 155.9
129 91.0 71.3 106.9
131 87.0 67.1 100.7

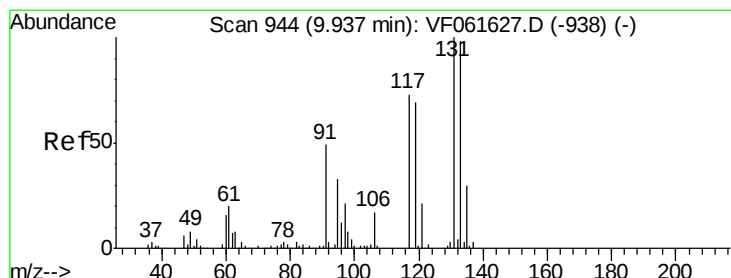
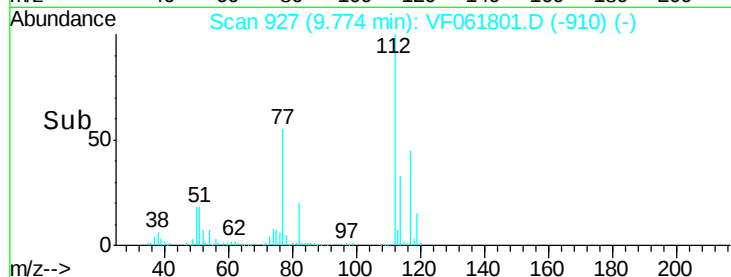
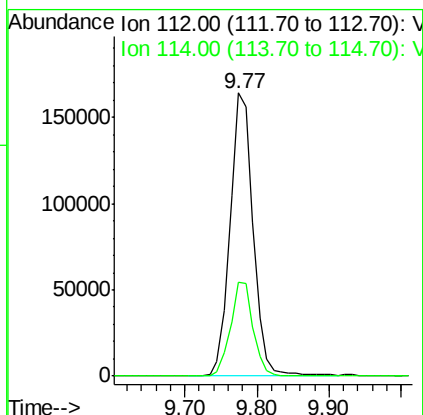
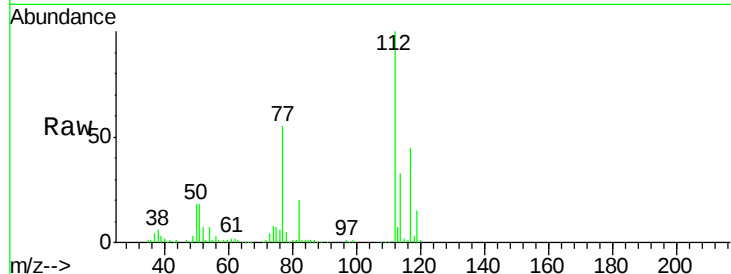




#65
Chlorobenzene
Concen: 49.316 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.03 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

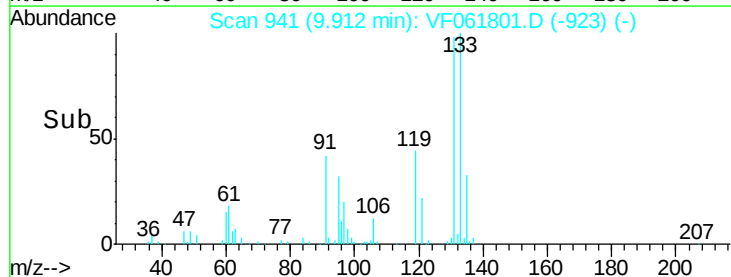
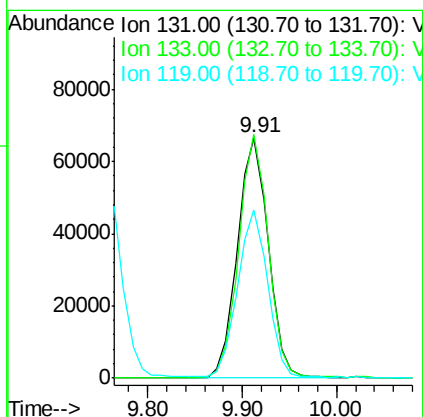
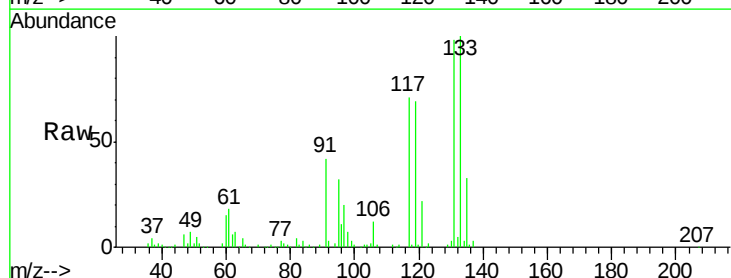
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

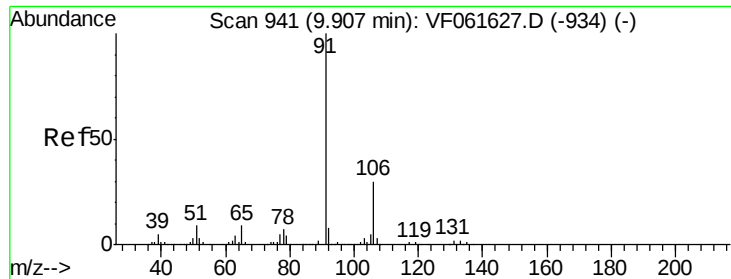
Tot Ion:112 Resp: 366926
Ion Ratio Lower Upper
112 100
114 33.1 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 51.732 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.02 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

Tgt Ion:131 Resp: 150823
Ion Ratio Lower Upper
131 100
133 101.5 48.9 146.6
119 70.2 34.8 104.3





#67

Ethyl Benzene

Concen: 50.411 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.02 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Instrument :

MSVOA_F

ClientSampleId :

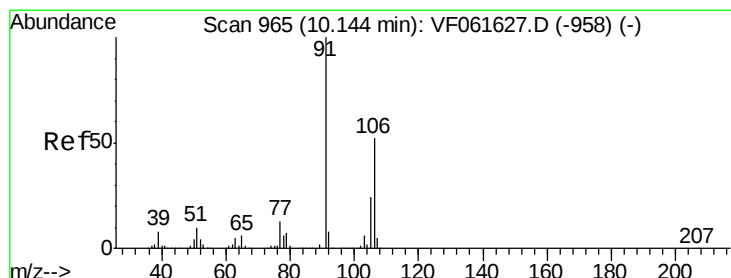
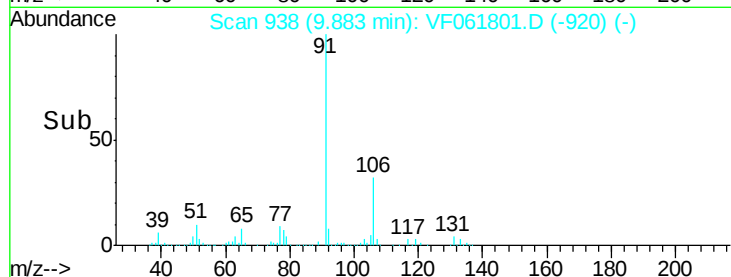
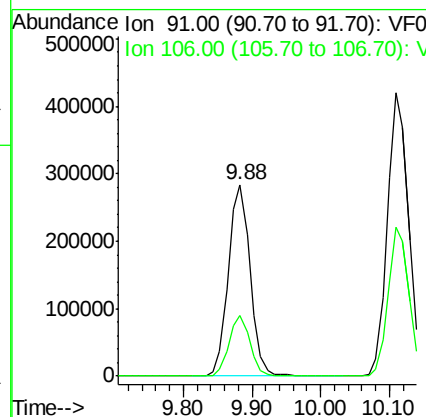
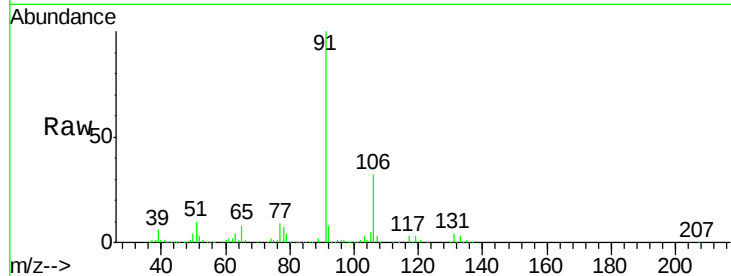
VSTDCCC050

Tot Ion: 91 Resp: 623747

Ion Ratio Lower Upper

91 100

106 31.6 24.1 36.1



#68

m/p-Xylenes

Concen: 99.718 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.03 min

Lab File: VF061801.D

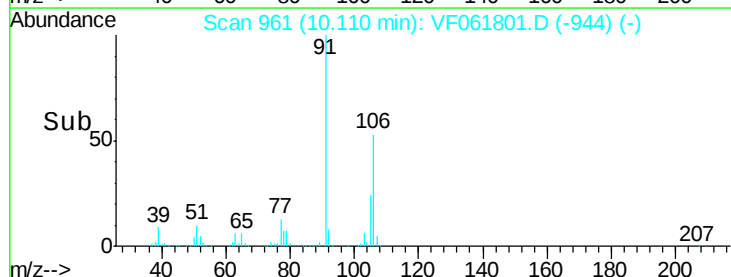
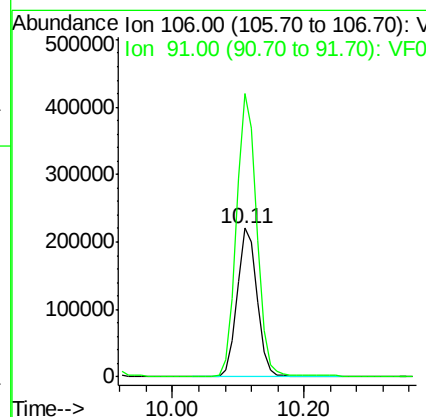
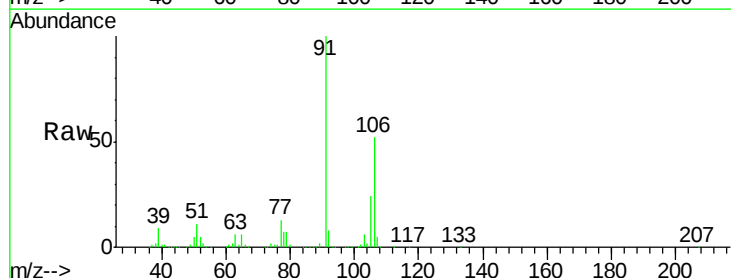
Acq: 1 Mar 2019 12:59

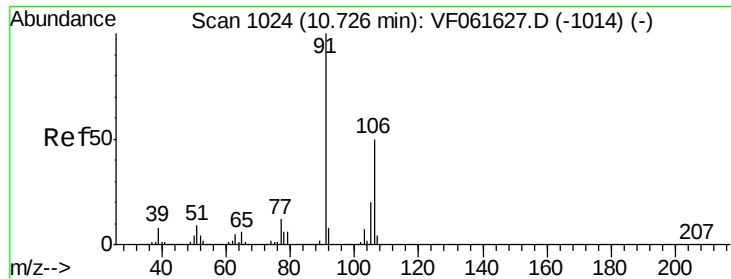
Tgt Ion: 106 Resp: 472204

Ion Ratio Lower Upper

106 100

91 190.7 153.0 229.6

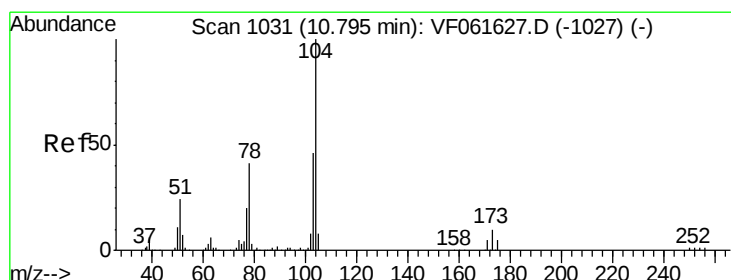
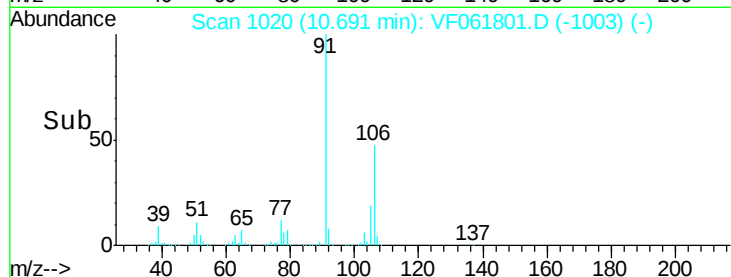
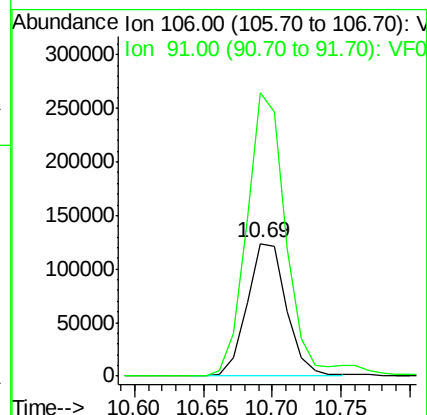
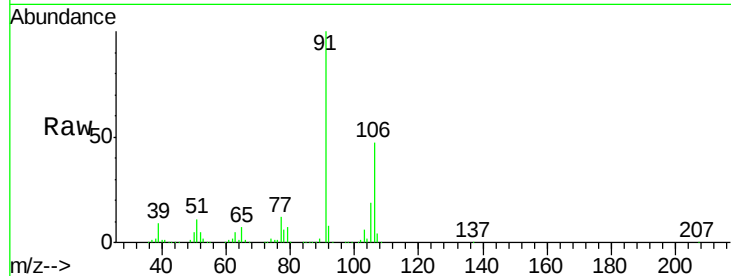




#69
o-Xylene
Concen: 49.032 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.03 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

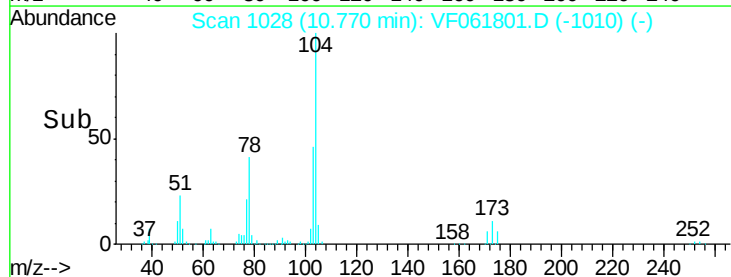
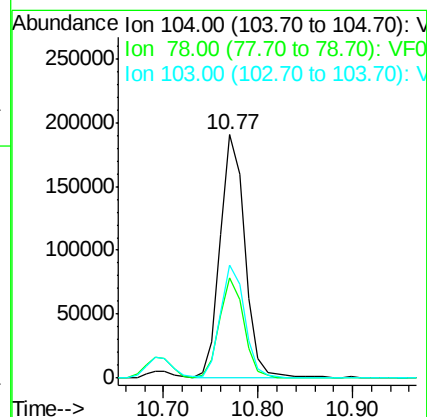
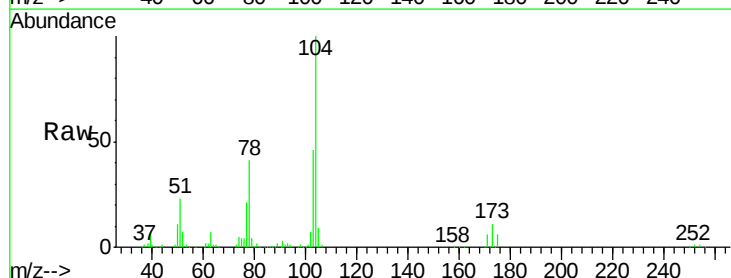
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

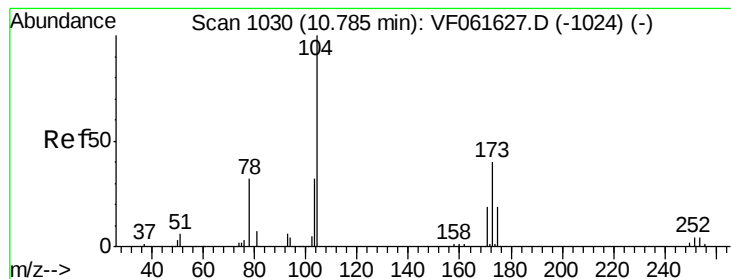
Tot Ion:106 Resp: 247754
Ion Ratio Lower Upper
106 100
91 213.0 100.1 300.1



#70
Styrene
Concen: 48.458 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

Tgt Ion:104 Resp: 346391
Ion Ratio Lower Upper
104 100
78 41.3 33.2 49.8
103 46.3 37.2 55.8





#71

Bromoform

Concen: 48.075 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.02 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

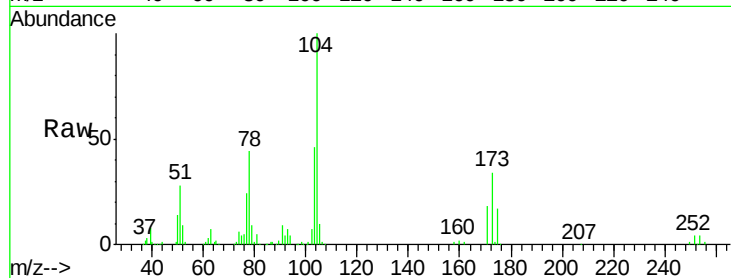
Tot Ion:173 Resp: 76110

Ion Ratio Lower Upper

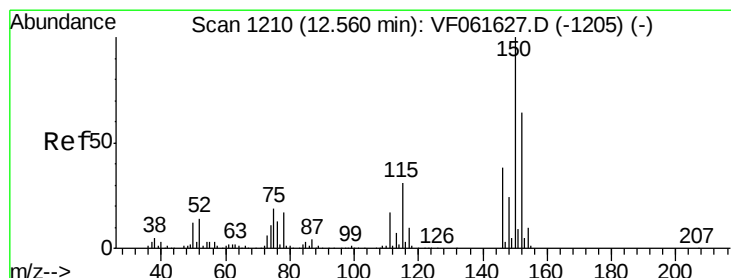
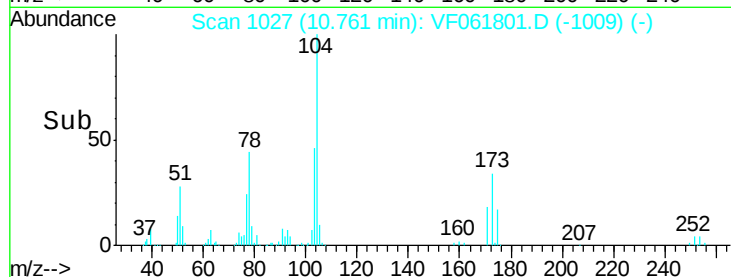
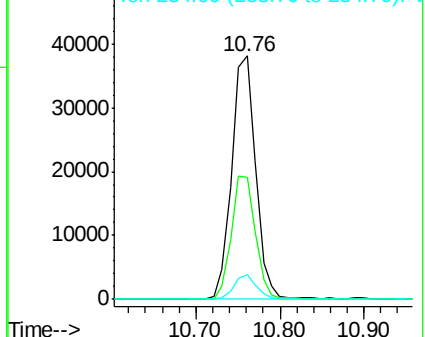
173 100

175 50.0 24.0 72.0

254 10.4 8.2 12.2



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. -0.02 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

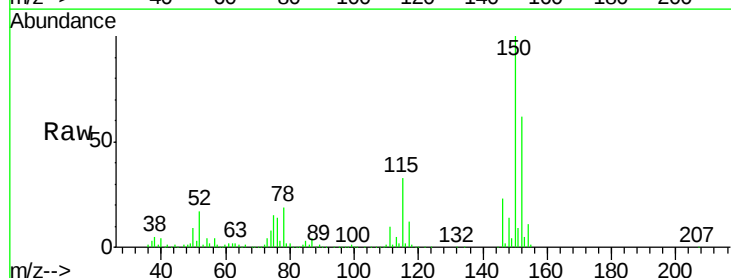
Tgt Ion:152 Resp: 199929

Ion Ratio Lower Upper

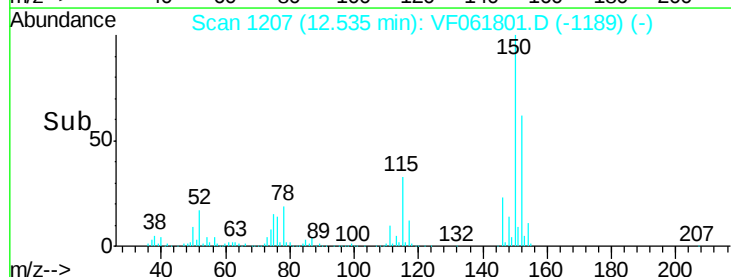
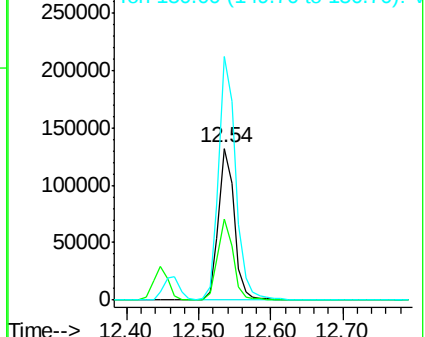
152 100

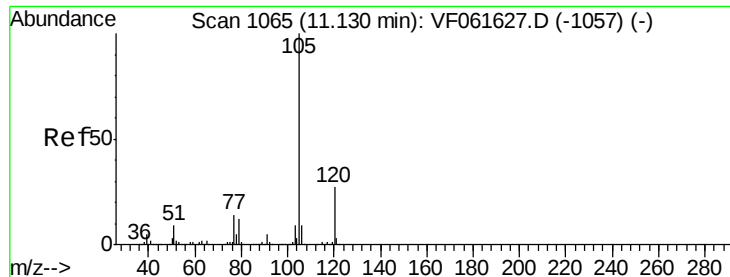
115 53.1 24.3 72.8

150 160.5 0.0 312.0



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: 47.946 ug/l

RT: 11.11 min Scan# 1062

Delta R.T. -0.02 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Instrument :

MSVOA_F

ClientSampleId :

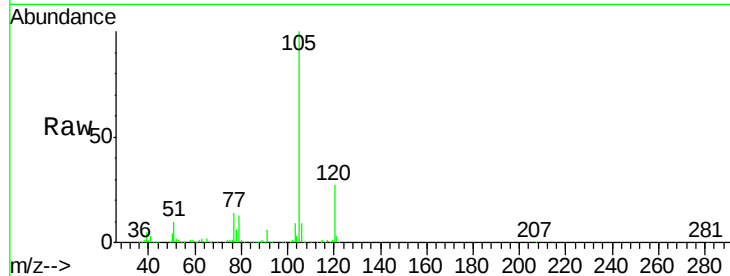
VSTDCCC050

Tot Ion:105 Resp: 682499

Ion Ratio Lower Upper

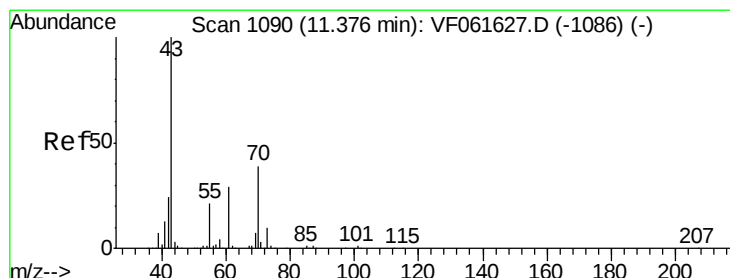
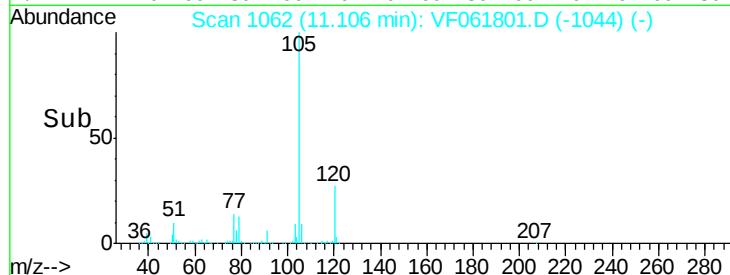
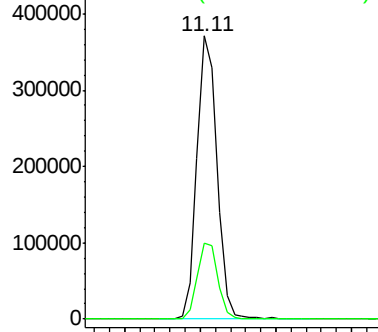
105 100

120 26.7 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.302 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Tgt Ion: 43 Resp: 161613

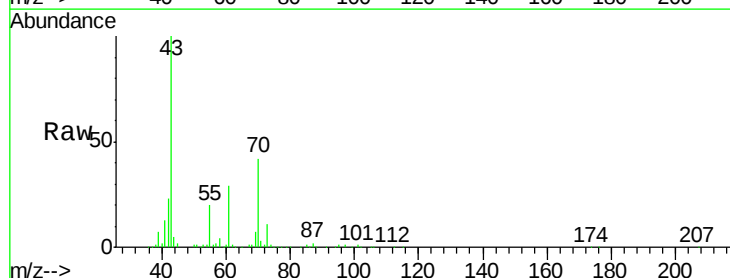
Ion Ratio Lower Upper

43 100

70 41.5 31.5 47.3

55 19.8 16.7 25.1

61 28.9 23.0 34.6

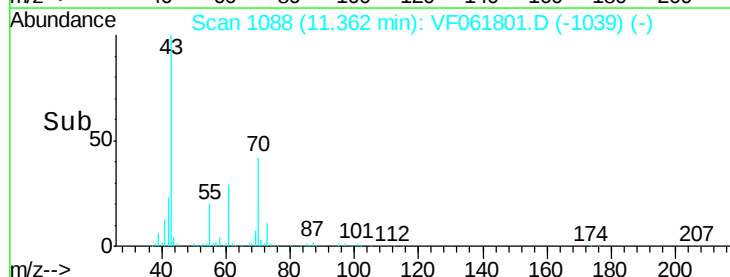
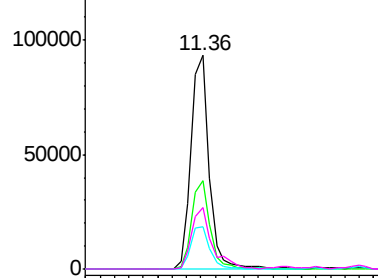


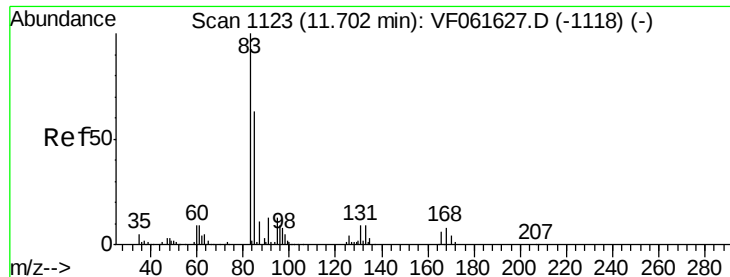
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 49.235 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

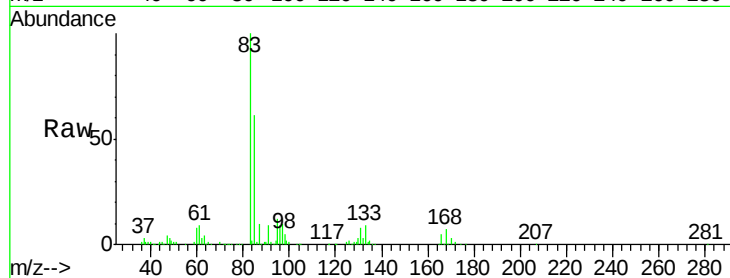
Tot Ion: 83 Resp: 125559

Ion Ratio Lower Upper

83 100

131 8.1 4.4 13.2

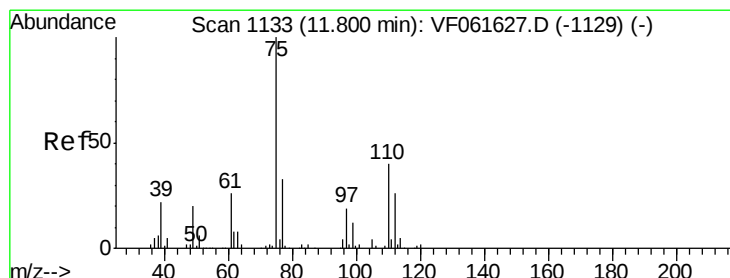
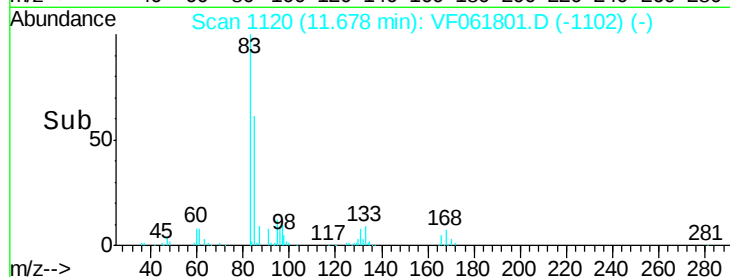
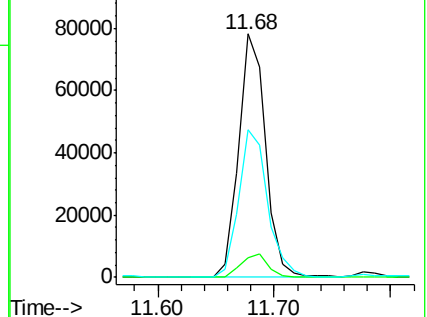
85 60.7 31.5 94.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 47.119 ug/l

RT: 11.78 min Scan# 1130

Delta R.T. -0.02 min

Lab File: VF061801.D

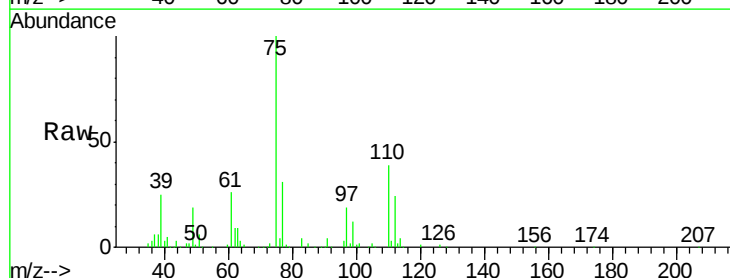
Acq: 1 Mar 2019 12:59

Tgt Ion: 75 Resp: 81696

Ion Ratio Lower Upper

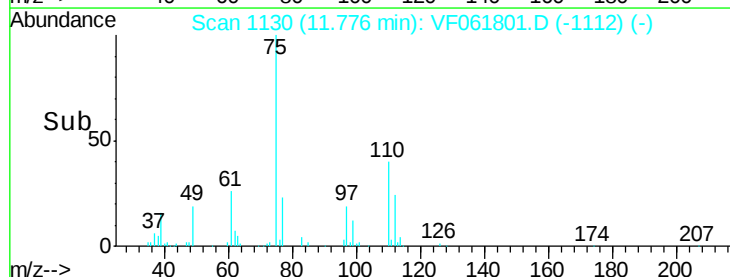
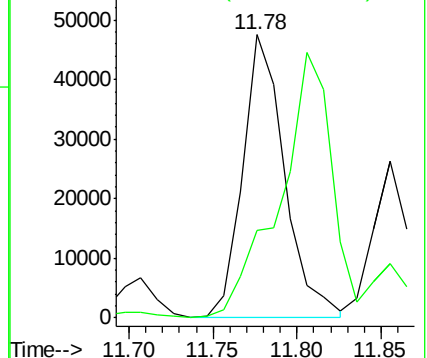
75 100

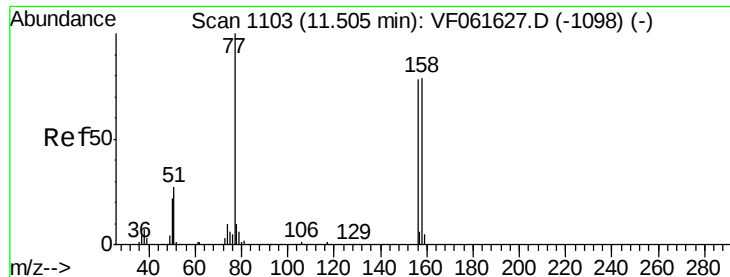
77 31.1 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

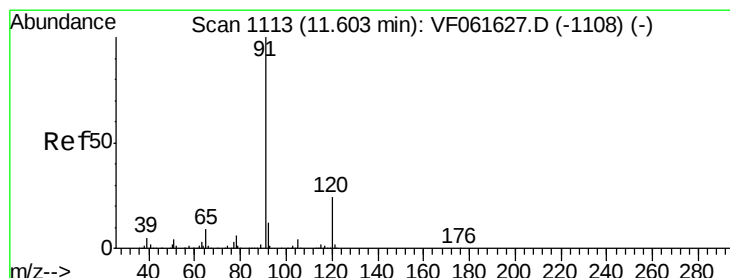
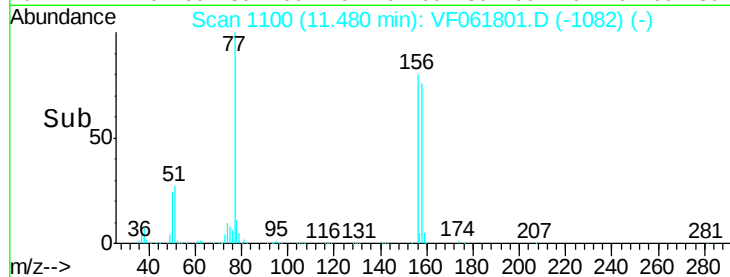
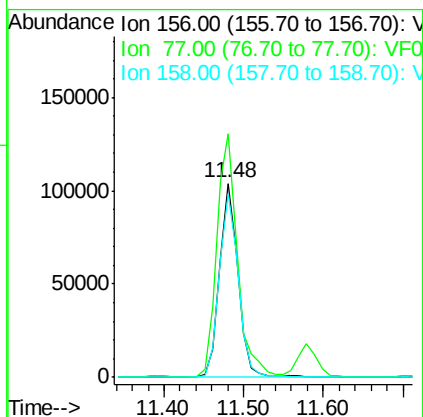
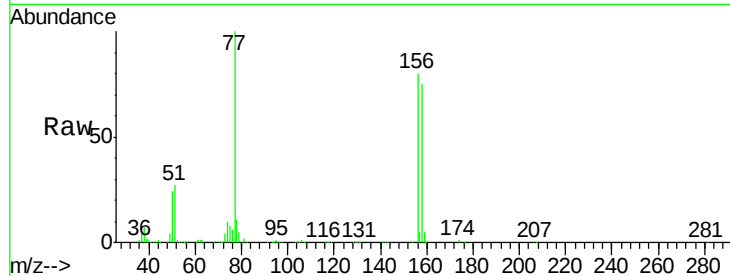




#77
Bromobenzene
Concen: 48.952 ug/l
RT: 11.48 min Scan# 1100
Delta R.T. -0.02 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

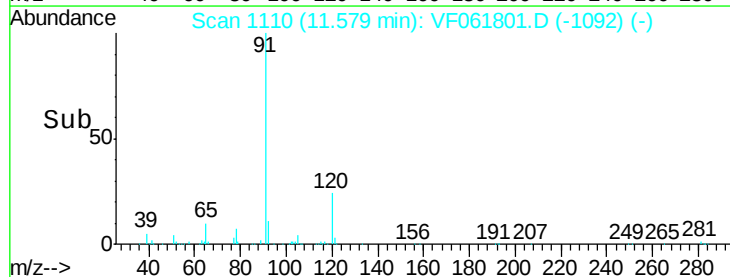
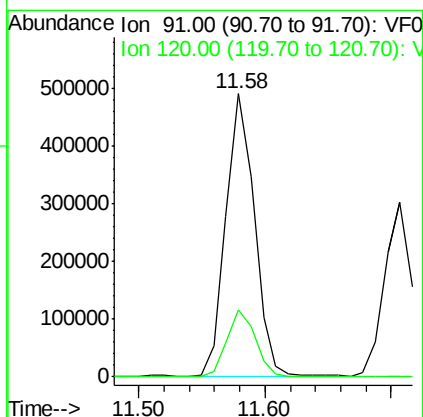
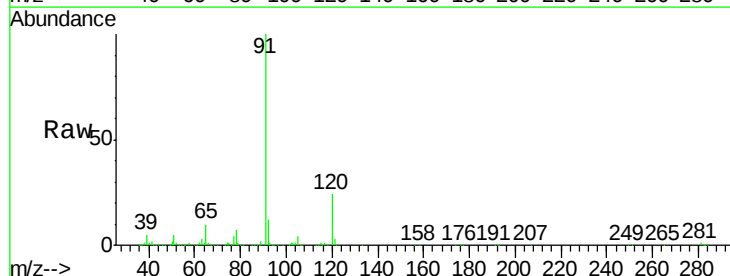
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

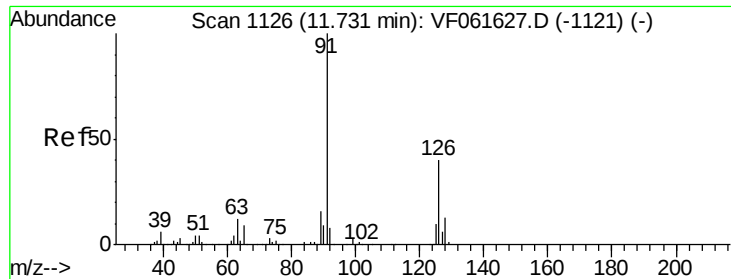
Tot Ion:156 Resp: 172145
Ion Ratio Lower Upper
156 100
77 125.5 64.3 192.7
158 94.6 50.9 152.7



#78
n-propylbenzene
Concen: 47.421 ug/l
RT: 11.58 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

Tgt Ion: 91 Resp: 774596
Ion Ratio Lower Upper
91 100
120 23.8 12.1 36.3





#79

2-Chlorotoluene

Concen: 50.359 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Instrument :

MSVOA_F

ClientSampleId :

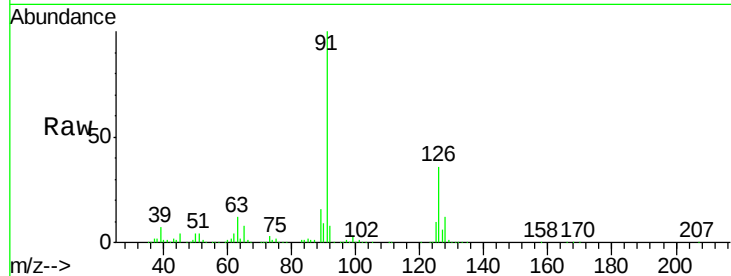
VSTDCCC050

Tot Ion: 91 Resp: 460697

Ion Ratio Lower Upper

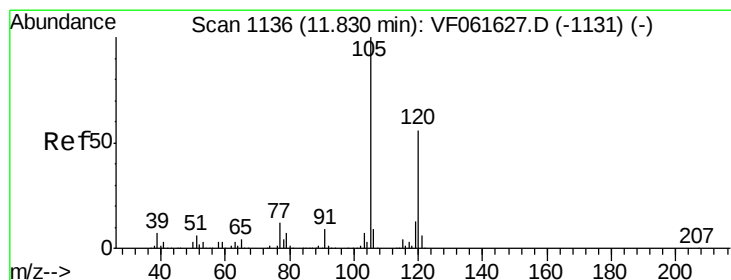
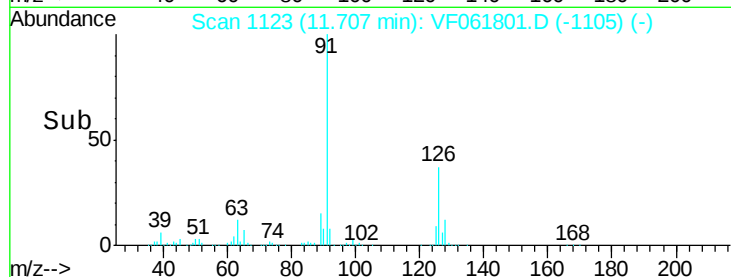
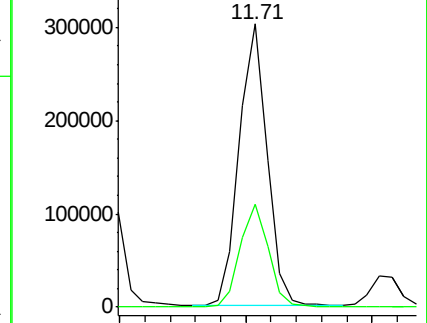
91 100

126 36.4 19.8 59.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 48.662 ug/l

RT: 11.82 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF061801.D

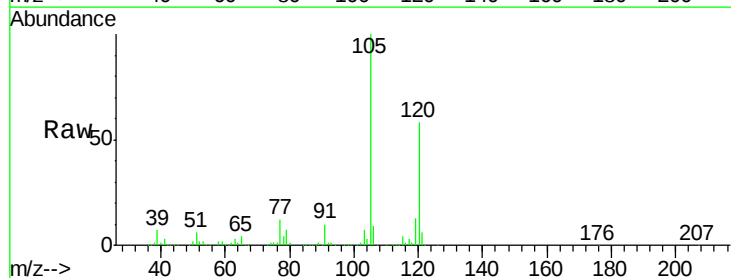
Acq: 1 Mar 2019 12:59

Tgt Ion:105 Resp: 553615

Ion Ratio Lower Upper

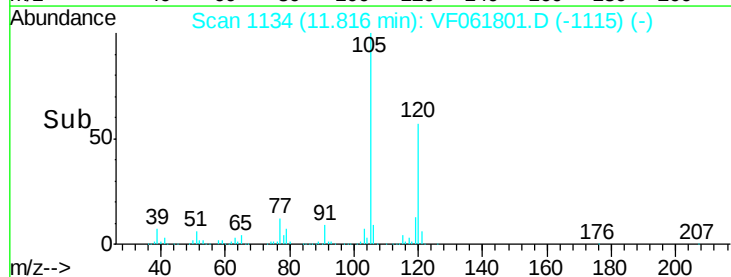
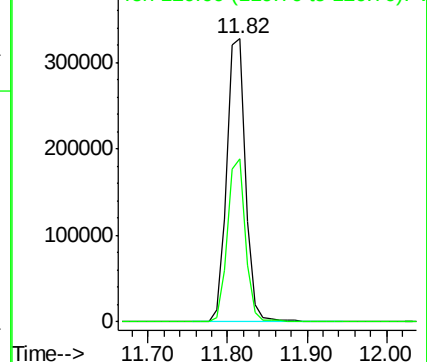
105 100

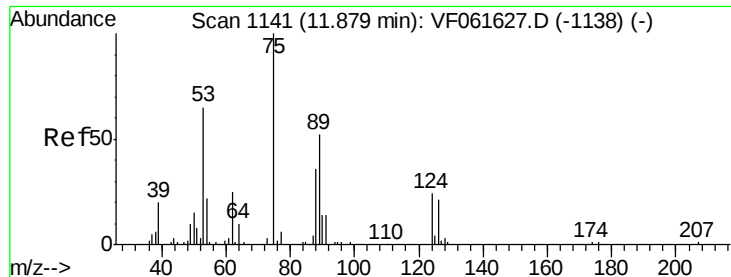
120 57.5 27.9 83.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 62.150 ug/l

RT: 11.86 min Scan# 1138

Delta R.T. -0.02 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

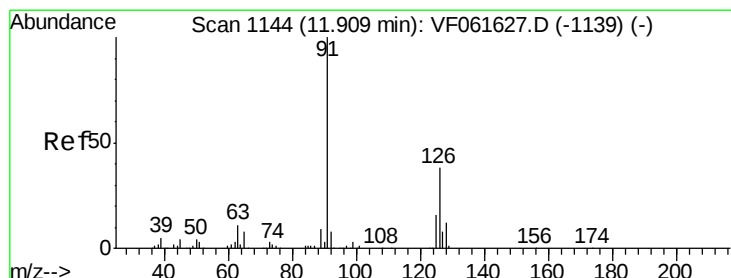
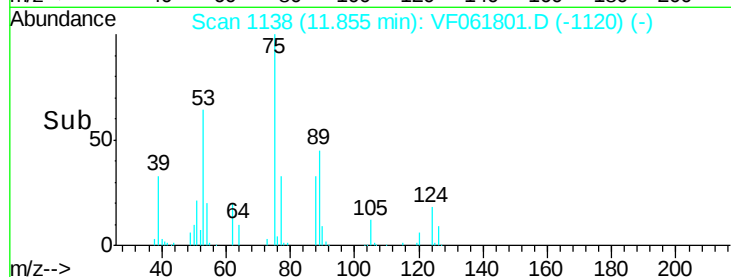
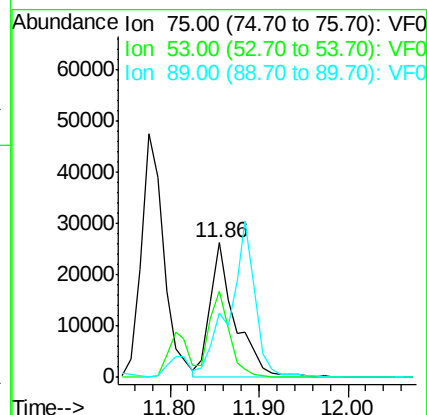
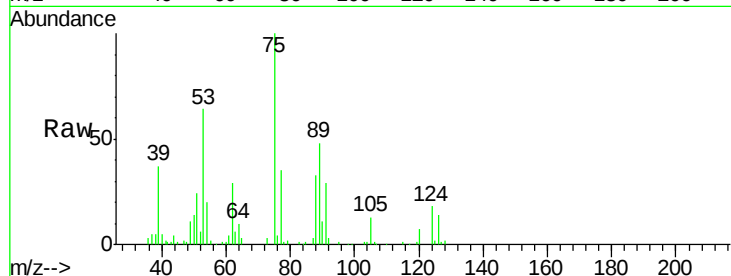
Tot Ion: 75 Resp: 51660

Ion Ratio Lower Upper

75 100

53 63.7 53.7 80.5

89 48.1 41.6 62.4



#82

4-Chlorotoluene

Concen: 48.510 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF061801.D

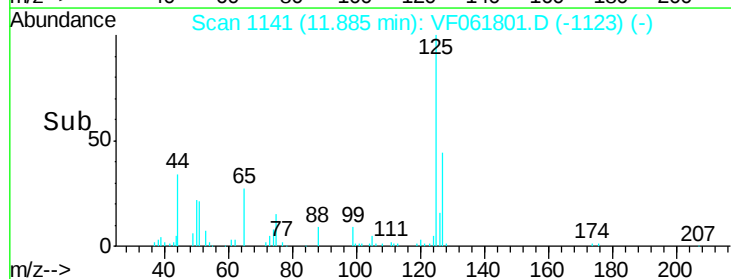
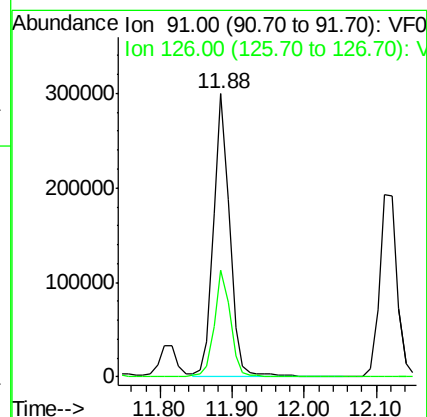
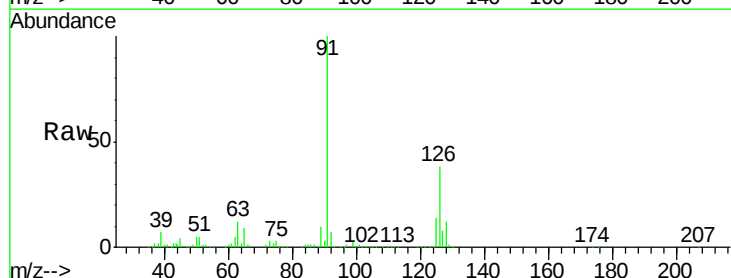
Acq: 1 Mar 2019 12:59

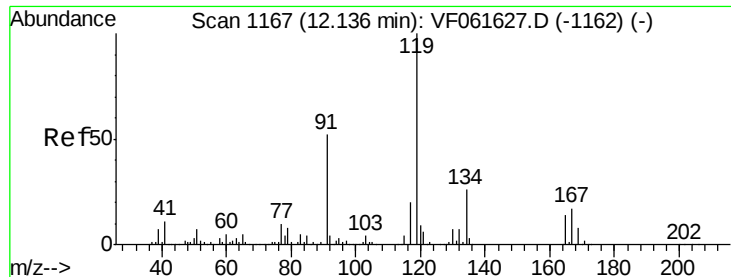
Tgt Ion: 91 Resp: 460615

Ion Ratio Lower Upper

91 100

126 37.6 19.1 57.1

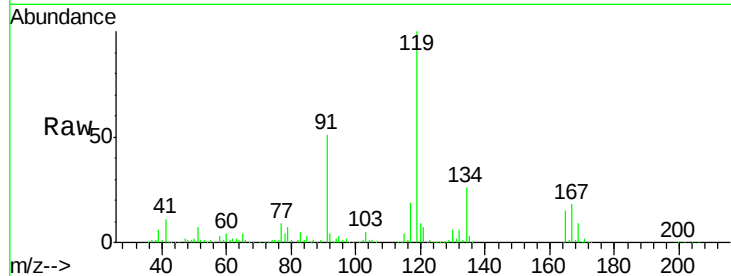




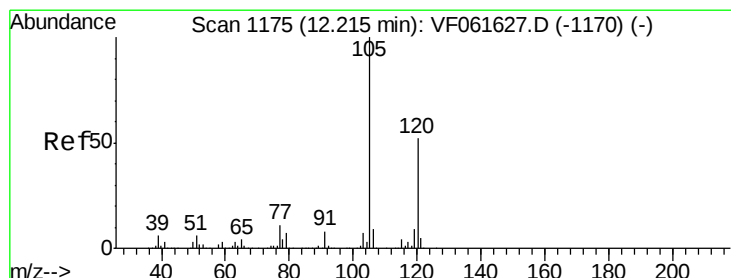
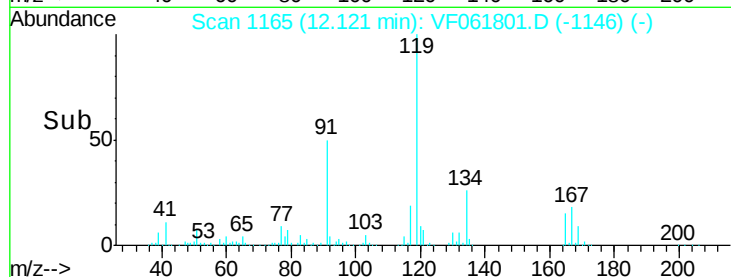
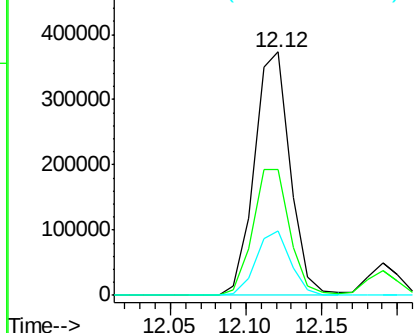
#83
tert-Butylbenzene
Concen: 49.061 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.01 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 618215
Ion Ratio Lower Upper
119 100
91 51.5 26.3 78.8
134 26.2 12.9 38.7

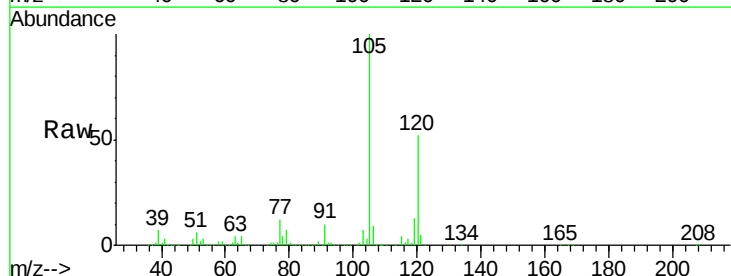


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

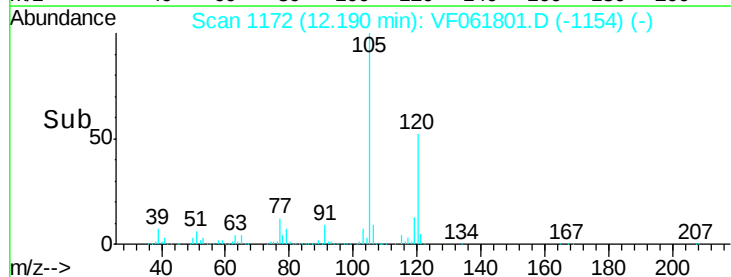
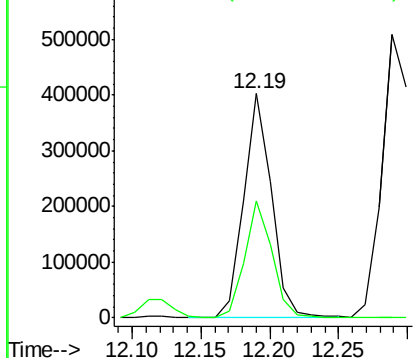


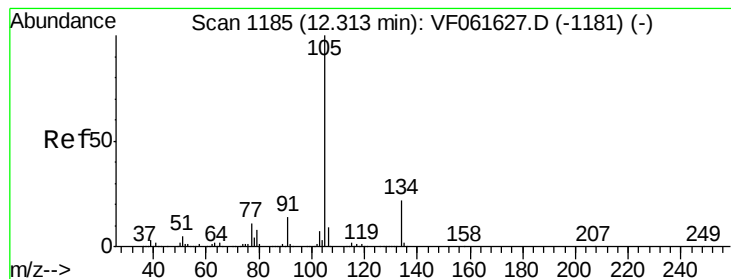
#84
1,2,4-Trimethylbenzene
Concen: 50.243 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.02 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

Tgt Ion:105 Resp: 567885
Ion Ratio Lower Upper
105 100
120 51.9 26.1 78.3



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





#85

sec-Butylbenzene

Concen: 47.971 ug/l

RT: 12.29 min Scan# 1182

Delta R.T. -0.02 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Instrument :

MSVOA_F

ClientSampleId :

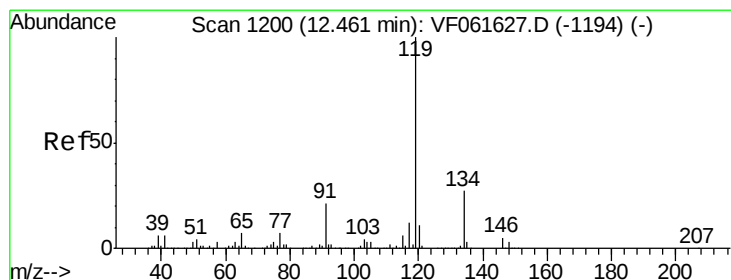
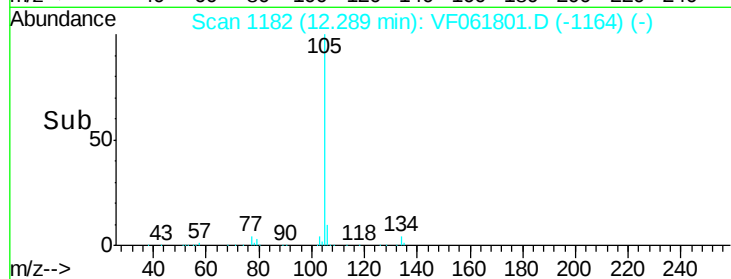
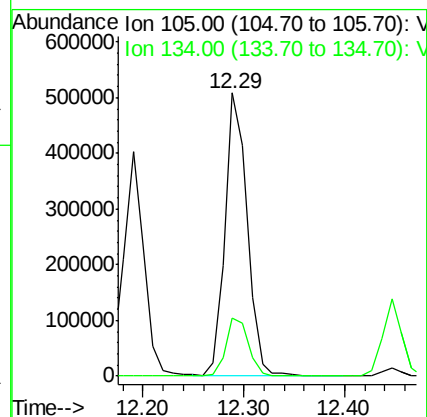
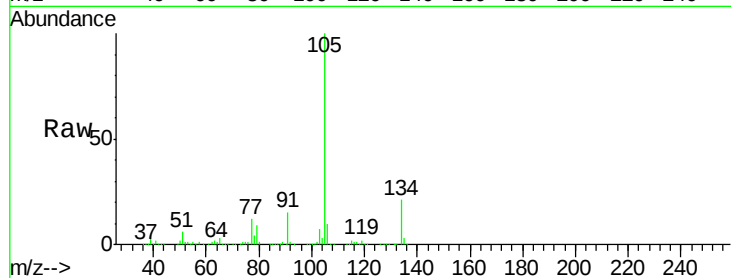
VSTDCCC050

Tot Ion:105 Resp: 781689

Ion Ratio Lower Upper

105 100

134 20.6 10.8 32.4



#86

p-Isopropyltoluene

Concen: 50.037 ug/l

RT: 12.45 min Scan# 1198

Delta R.T. -0.01 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

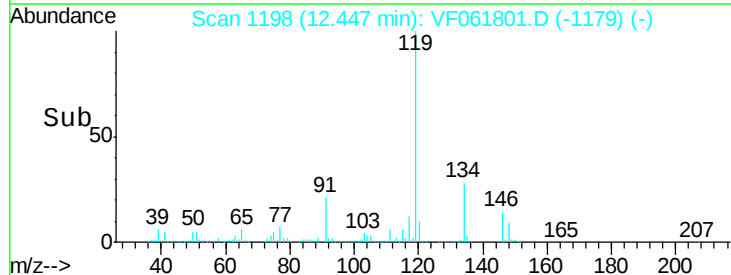
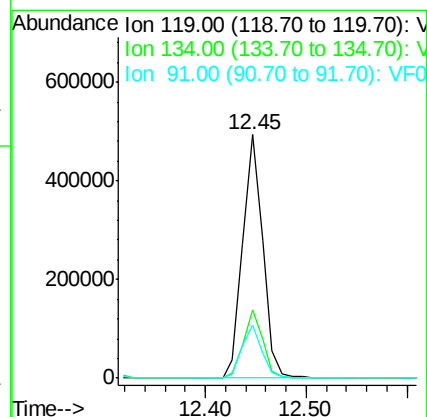
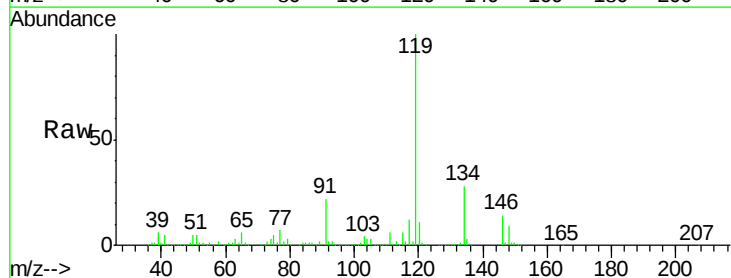
Tgt Ion:119 Resp: 684290

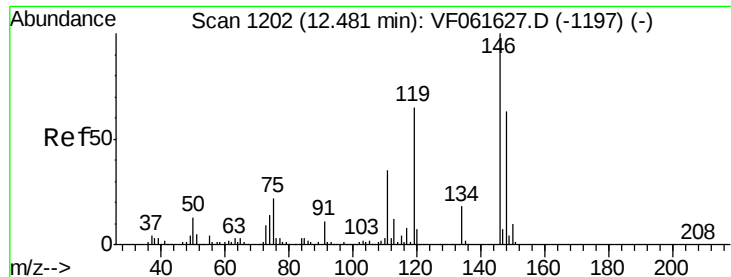
Ion Ratio Lower Upper

119 100

134 28.3 13.7 41.1

91 21.5 10.8 32.4

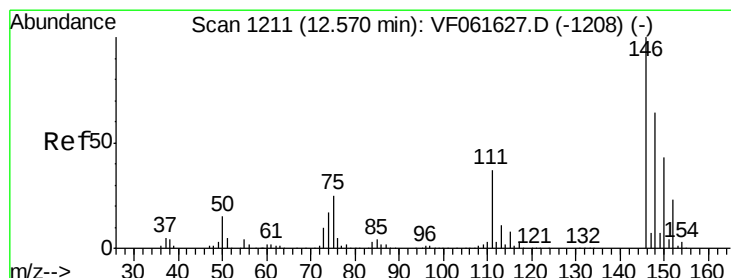
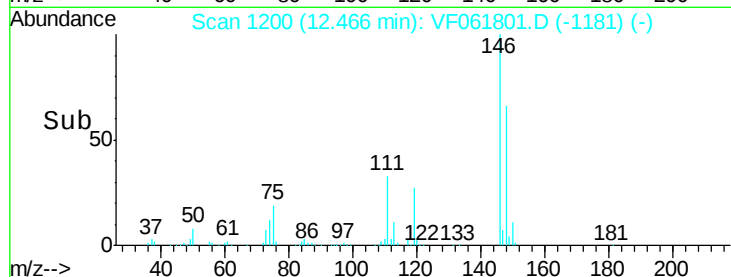
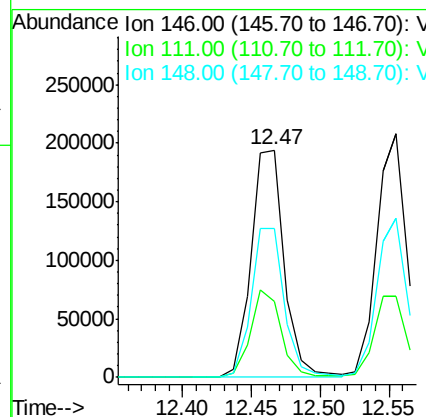
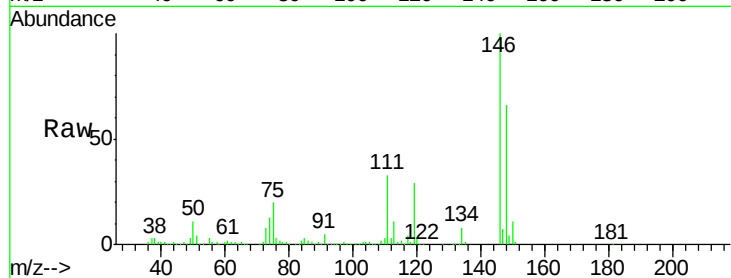




#87
 1,3-Dichlorobenzene
 Concen: 47.819 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF061801.D
 Acq: 1 Mar 2019 12:59

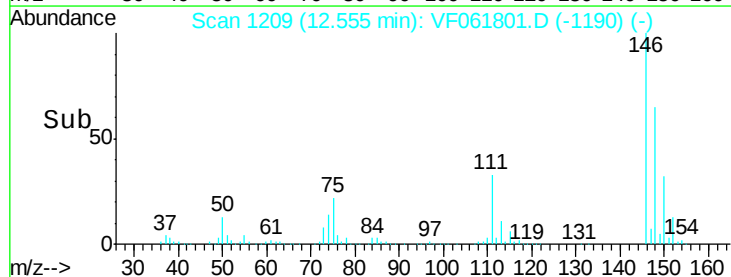
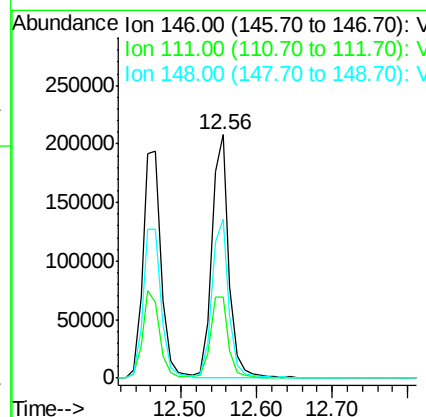
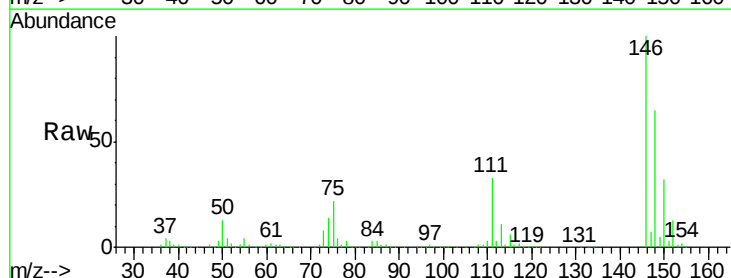
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

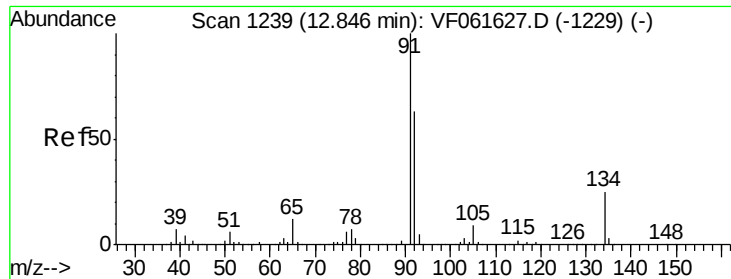
Tot Ion:146 Resp: 327830
 Ion Ratio Lower Upper
 146 100
 111 33.4 17.5 52.6
 148 65.6 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 49.533 ug/l
 RT: 12.56 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF061801.D
 Acq: 1 Mar 2019 12:59

Tgt Ion:146 Resp: 326578
 Ion Ratio Lower Upper
 146 100
 111 33.4 18.4 55.4
 148 65.1 32.2 96.6

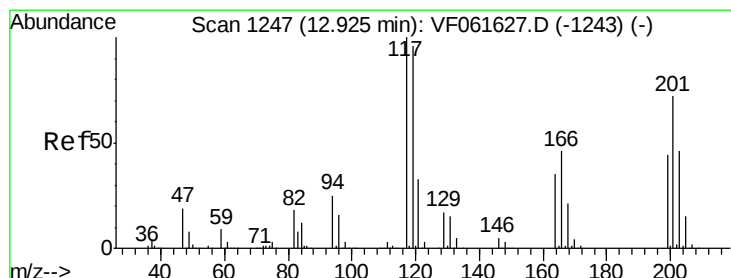
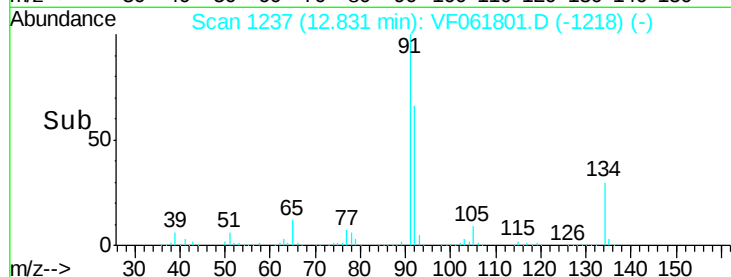
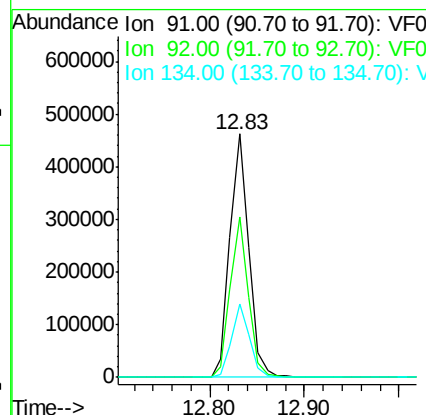
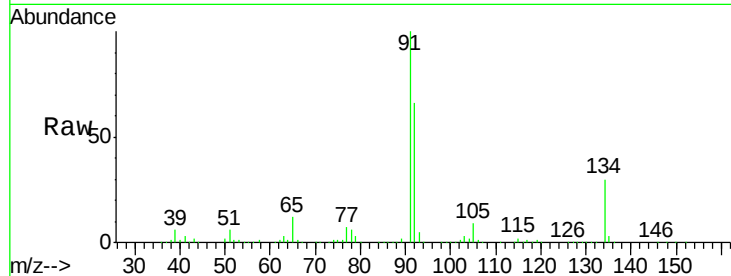




#89
n-Butylbenzene
Concen: 49.486 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

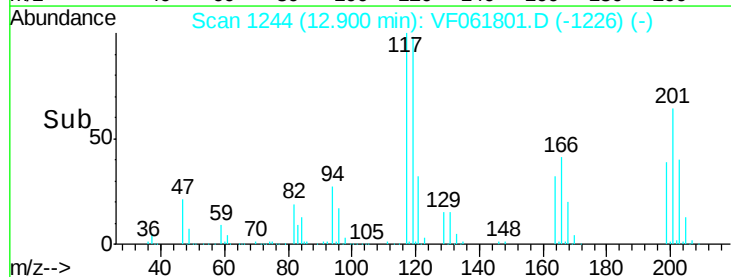
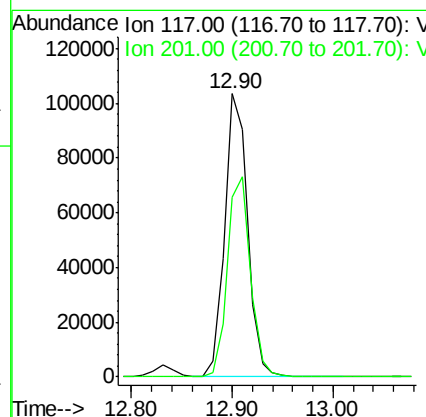
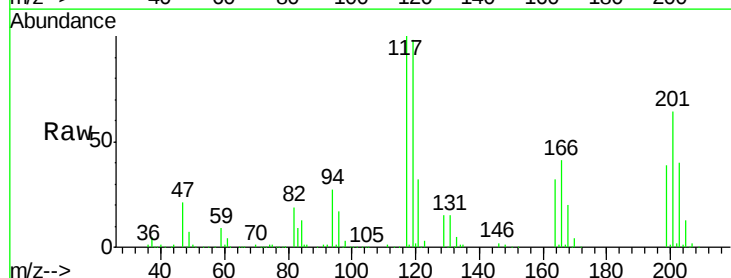
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

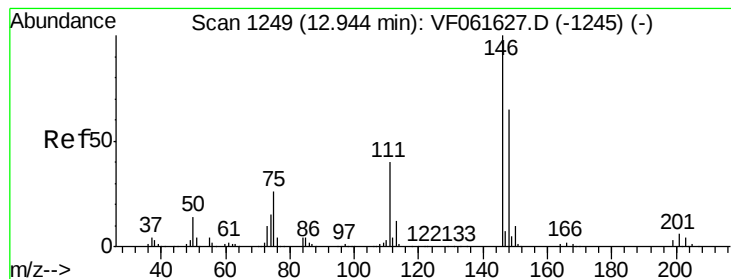
Tot Ion: 91 Resp: 639040
Ion Ratio Lower Upper
91 100
92 65.9 31.4 94.3
134 30.1 12.3 36.9



#90
Hexachloroethane
Concen: 51.687 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.02 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

Tgt Ion: 117 Resp: 164395
Ion Ratio Lower Upper
117 100
201 63.6 36.2 108.6





#91

1,2-Dichlorobenzene

Concen: 47.974 ug/l

RT: 12.93 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

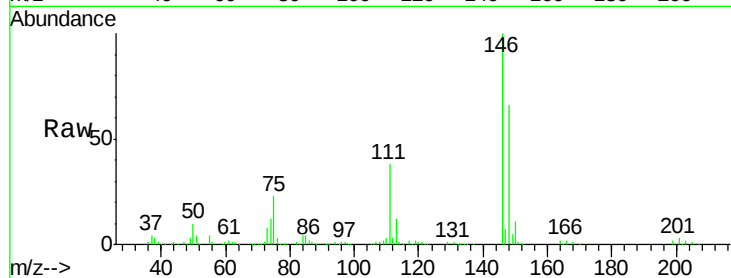
Tot Ion:146 Resp: 312827

Ion Ratio Lower Upper

146 100

111 38.4 20.2 60.5

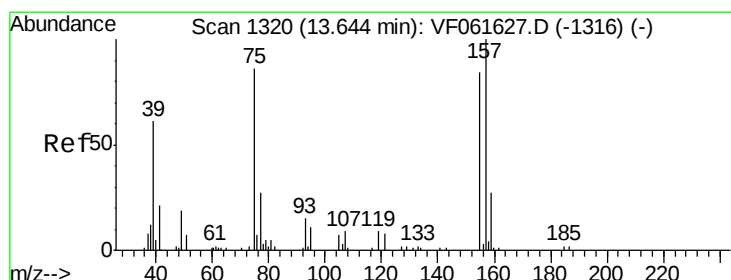
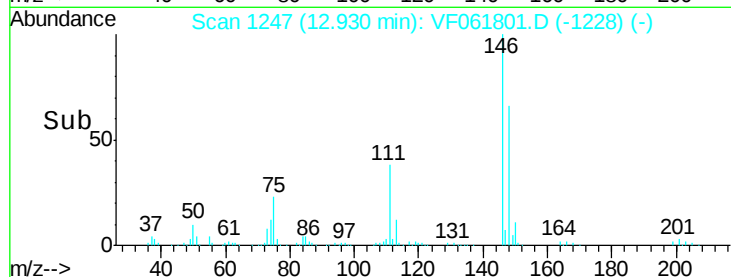
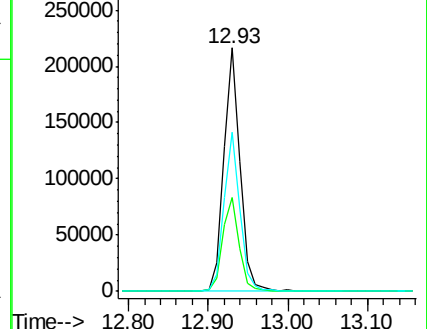
148 65.6 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.028 ug/l

RT: 13.63 min Scan# 1318

Delta R.T. -0.01 min

Lab File: VF061801.D

Acq: 1 Mar 2019 12:59

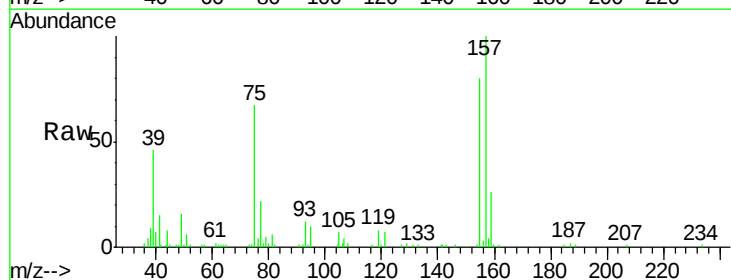
Tgt Ion: 75 Resp: 20632

Ion Ratio Lower Upper

75 100

155 120.4 48.9 146.8

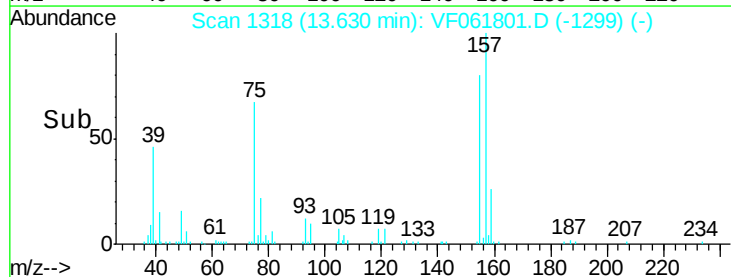
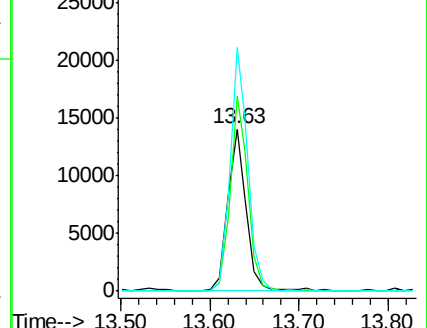
157 150.3 58.3 174.8

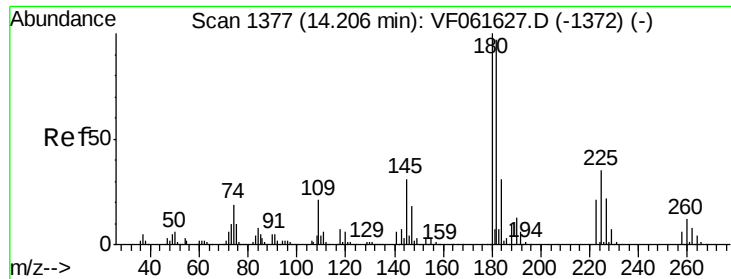


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

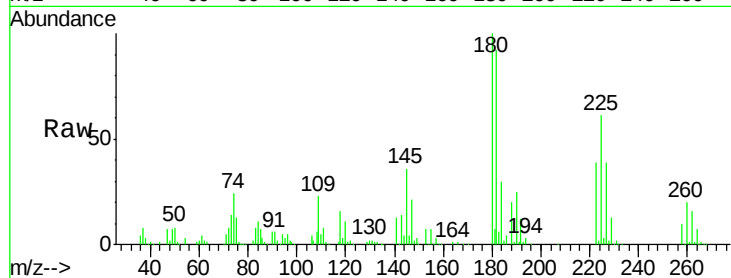




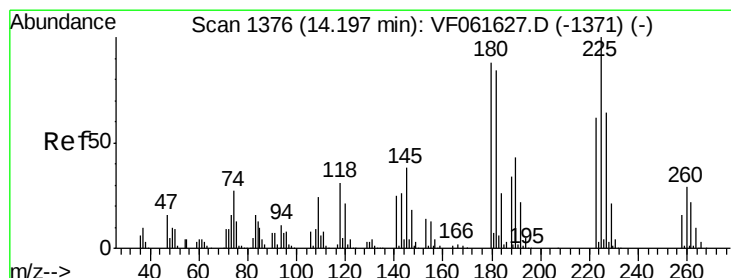
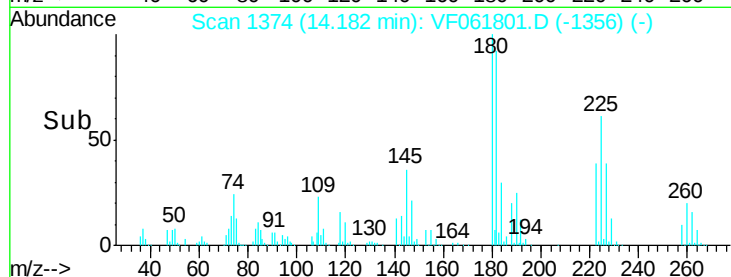
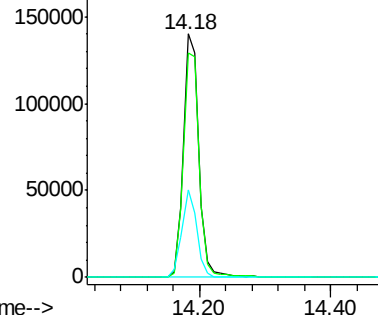
#93
 1,2,4-Trichlorobenzene
 Concen: 47.470 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF061801.D
 Acq: 1 Mar 2019 12:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 221872
 Ion Ratio Lower Upper
 180 100
 182 92.1 48.6 145.9
 145 35.9 15.3 45.9

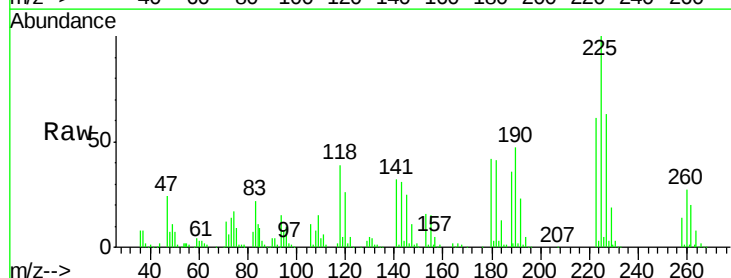


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

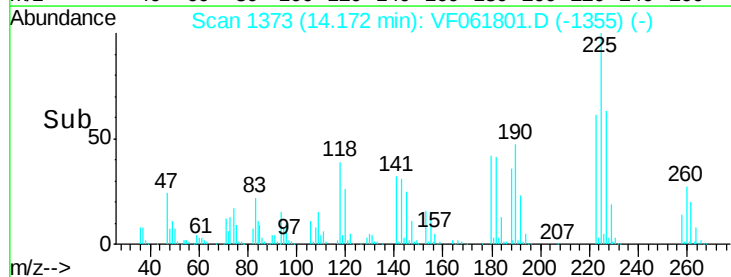
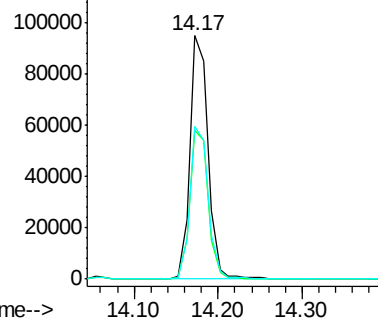


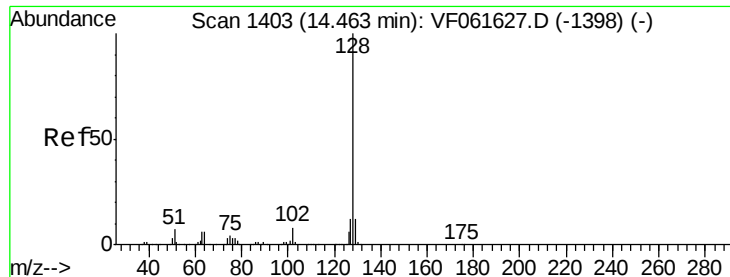
#94
 Hexachlorobutadiene
 Concen: 49.194 ug/l
 RT: 14.17 min Scan# 1373
 Delta R.T. -0.02 min
 Lab File: VF061801.D
 Acq: 1 Mar 2019 12:59

Tgt Ion:225 Resp: 142004
 Ion Ratio Lower Upper
 225 100
 223 61.3 30.9 92.7
 227 63.0 32.1 96.3



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

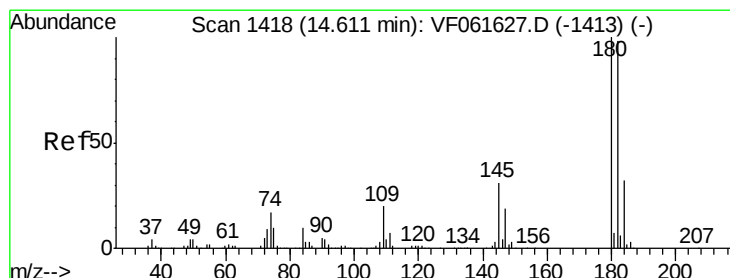
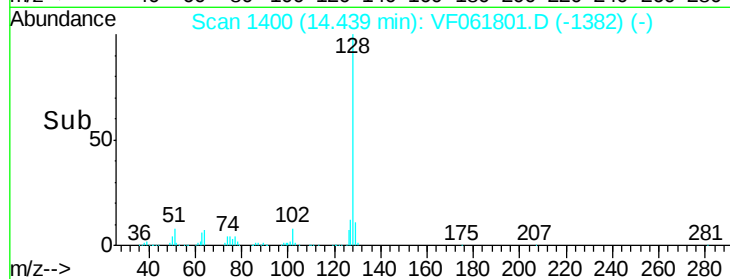
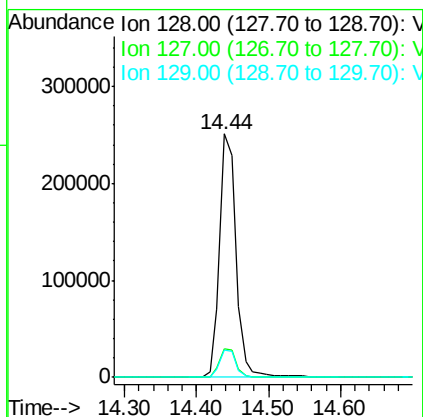
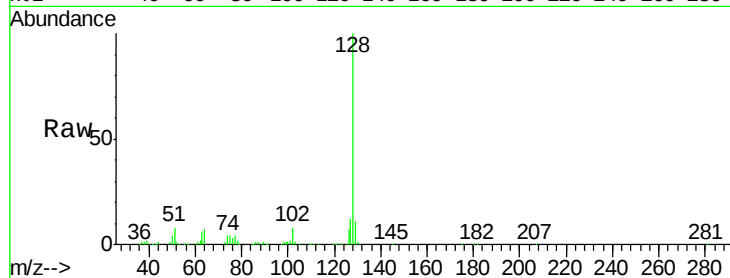




#95
Naphthalene
Concen: 48.574 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.02 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 397220
Ion Ratio Lower Upper
128 100
127 11.9 9.8 14.6
129 11.4 9.4 14.2



#96
1,2,3-Trichlorobenzene
Concen: 48.163 ug/l
RT: 14.59 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF061801.D
Acq: 1 Mar 2019 12:59

Tgt Ion:180 Resp: 206617
Ion Ratio Lower Upper
180 100
182 96.9 49.0 147.2
145 35.0 15.4 46.1

