

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021419\
 Data File : VF061632.D
 Acq On : 14 Feb 2019 10:57
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 15 00:44:59 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	306870	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	455411	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	394392	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	201998	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	115238	51.21	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.42%	
35) Dibromofluoromethane	4.09	113	172778	51.09	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.18%	
50) Toluene-d8	7.55	98	510626	52.52	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.04%	
62) 4-Bromofluorobenzene	11.40	95	195707	49.75	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	184572	52.375	ug/l	100
3) Chloromethane	1.10	50	204550	55.321	ug/l	98
4) Vinyl Chloride	1.14	62	191159	55.613	ug/l	94
5) Bromomethane	1.31	94	139140	58.815	ug/l	96
6) Chloroethane	1.38	64	99459	58.714	ug/l	99
7) Trichlorofluoromethane	1.48	101	171040	41.256	ug/l	93
8) Diethyl Ether	1.62	74	52089	49.856	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.83	101	156617	52.366	ug/l	97
10) Methyl Iodide	1.90	142	232521	40.699	ug/l	95
11) Tert butyl alcohol	2.57	59	29361	225.447	ug/l #	89
12) 1,1-Dichloroethene	1.79	96	146544	55.729	ug/l	97
13) Acrolein	1.99	56	44000	268.815	ug/l	98
14) Allyl chloride	2.08	41	201866	62.560	ug/l	97
15) Acrylonitrile	2.93	53	106367	230.258	ug/l	96
16) Acetone	2.23	43	137179	284.121	ug/l	99
17) Carbon Disulfide	1.80	76	340443	41.188	ug/l	100
18) Methyl Acetate	2.34	43	49998	45.968	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	233225	51.896	ug/l	98
20) Methylene Chloride	2.17	84	58508	21.161	ug/l	97
21) trans-1,2-Dichloroethene	2.30	96	152017	53.180	ug/l	99
22) Diisopropyl ether	2.78	45	409416	52.858	ug/l	98
23) Vinyl Acetate	3.18	43	941755	248.932	ug/l	100
24) 1,1-Dichloroethane	2.86	63	246263	52.538	ug/l	99
25) 2-Butanone	4.32	43	272254	258.152	ug/l	99
26) 2,2-Dichloropropane	3.59	77	114330	57.583	ug/l	99
27) cis-1,2-Dichloroethene	3.46	96	197556	52.653	ug/l	98
28) Bromochloromethane	3.71	49	109846	48.841	ug/l	97
29) Tetrahydrofuran	4.05	42	103089	215.066	ug/l	96
30) Chloroform	3.85	83	275860	51.750	ug/l	98
31) Cyclohexane	3.68	56	266653	52.550	ug/l	94
32) 1,1,1-Trichloroethane	4.08	97	190530	54.564	ug/l	97
36) 1,1-Dichloropropene	4.27	75	241826	53.603	ug/l	97
37) Ethyl Acetate	4.09	43	90924	43.391	ug/l #	70
38) Carbon Tetrachloride	3.98	117	167768	53.855	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	294229	55.146	ug/l	98
40) Benzene	4.62	78	642963	54.487	ug/l	99
41) Methacrylonitrile	4.73	41	50106	46.758	ug/l	93
42) 1,2-Dichloroethane	4.93	62	143217	50.738	ug/l	95
43) Isopropyl Acetate	6.94	43	107206	43.222	ug/l #	95
44) Trichloroethene	5.49	130	186690	48.924	ug/l	100
45) 1,2-Dichloropropane	6.22	63	142698	50.028	ug/l	99
46) Dibromomethane	6.08	93	91790	52.266	ug/l	95
47) Bromodichloromethane	6.37	83	202980	52.779	ug/l	95
48) Methyl methacrylate	6.71	41	70729	47.385	ug/l	93
49) 1,4-Dioxane	6.69	88	13980	996.323	ug/l	89
51) 4-Methyl-2-Pentanone	8.25	43	390005	220.058	ug/l	100
52) Toluene	7.61	92	356031	49.748	ug/l	99
53) t-1,3-Dichloropropene	8.27	75	152705	47.708	ug/l	100
54) cis-1,3-Dichloropropene	7.29	75	235792	55.306	ug/l	99
55) 1,1,2-Trichloroethane	8.48	97	105162	50.013	ug/l	96
56) Ethyl methacrylate	8.61	69	109508	46.777	ug/l	99
57) 1,3-Dichloropropane	8.85	76	161289	45.955	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.29	63	74788	185.156	ug/l	98
59) 2-Hexanone	9.48	43	291569	234.697	ug/l	98
60) Dibromochloromethane	8.71	129	145388	49.676	ug/l	93
61) 1,2-Dibromoethane	8.98	107	108683	47.654	ug/l	98
64) Tetrachloroethene	8.15	164	168910	52.396	ug/l	99
65) Chlorobenzene	9.78	112	408290	51.016	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.92	131	166741	53.170	ug/l	100
67) Ethyl Benzene	9.89	91	685588	51.513	ug/l	97
68) m/p-Xylenes	10.12	106	534729	104.981	ug/l	97
69) o-Xylene	10.70	106	291961	53.718	ug/l	100
70) Styrene	10.78	104	376260	48.935	ug/l	99
71) Bromoform	10.76	173	80371	47.196	ug/l #	98
73) Isopropylbenzene	11.11	105	823646	57.270	ug/l	96
74) N-amyl acetate	11.36	43	177090	51.301	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.69	83	124457	48.303	ug/l	96
76) 1,2,3-Trichloropropane	11.79	75	82768	47.248	ug/l	100
77) Bromobenzene	11.49	156	196318	55.255	ug/l	98
78) n-propylbenzene	11.59	91	926522	56.141	ug/l	99
79) 2-Chlorotoluene	11.72	91	510279	55.208	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	630038	54.812	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	52609	62.643	ug/l	95
82) 4-Chlorotoluene	11.89	91	503863	52.521	ug/l	99
83) tert-Butylbenzene	12.12	119	685917	53.876	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	623491	54.598	ug/l	100
85) sec-Butylbenzene	12.30	105	926953	56.303	ug/l	100
86) p-Isopropyltoluene	12.46	119	757988	54.859	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	349009	50.387	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	354603	53.232	ug/l	100
89) n-Butylbenzene	12.84	91	737191	56.502	ug/l	95
90) Hexachloroethane	12.91	117	189121	58.852	ug/l	93
91) 1,2-Dichlorobenzene	12.94	146	338631	51.399	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	20933	51.243	ug/l	75

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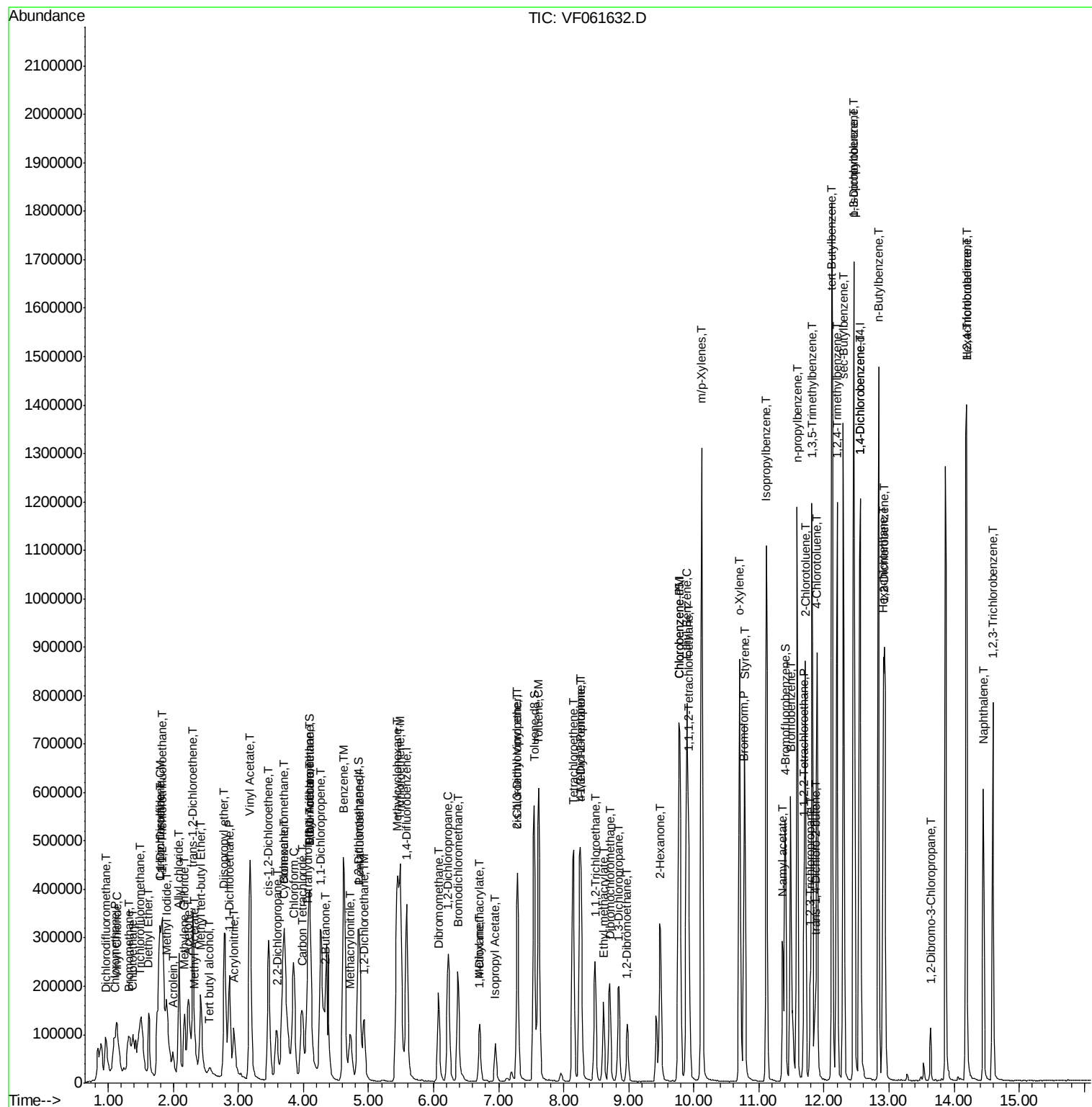
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	257032	54.429	ug/l	98
94) Hexachlorobutadiene	14.18	225	164905	56.542	ug/l	98
95) Naphthalene	14.45	128	442094	53.508	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	232769	53.703	ug/l	99

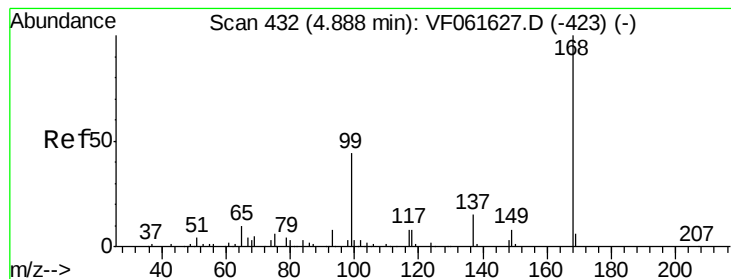
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

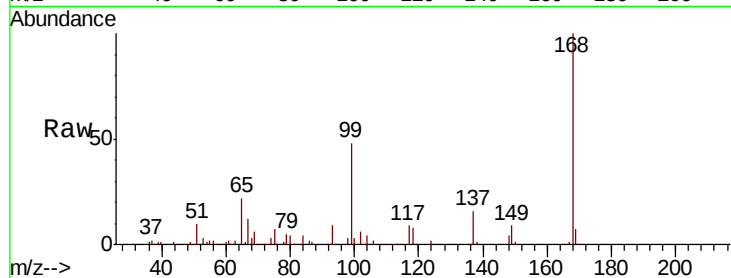
VSTDCCC050

Tgt Ion:168 Resp: 306870

Ion Ratio Lower Upper

168 100

99 48.4 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

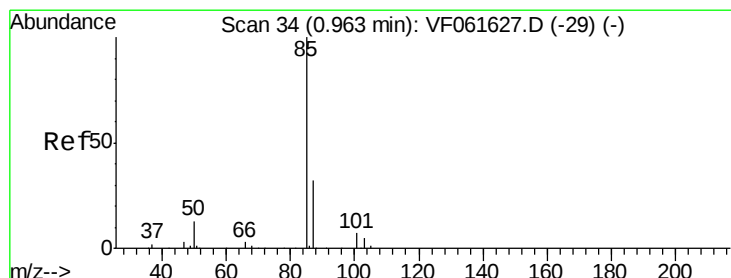
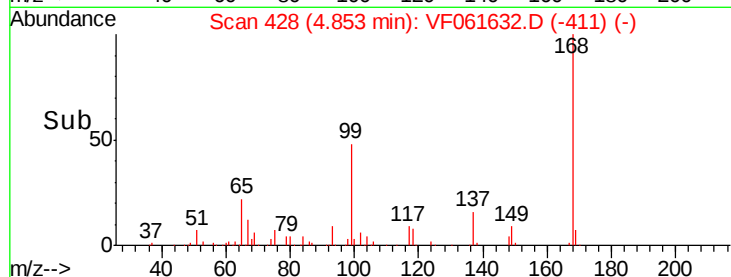
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.375 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061632.D

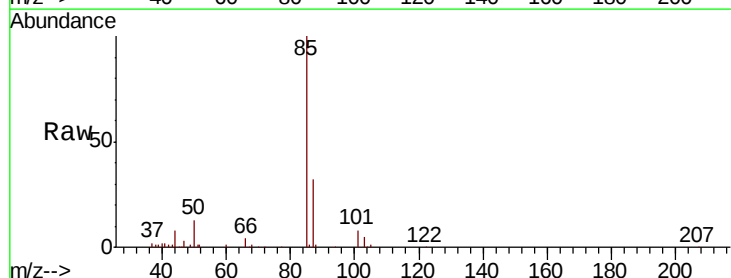
Acq: 14 Feb 2019 10:57

Tgt Ion: 85 Resp: 184572

Ion Ratio Lower Upper

85 100

87 32.0 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

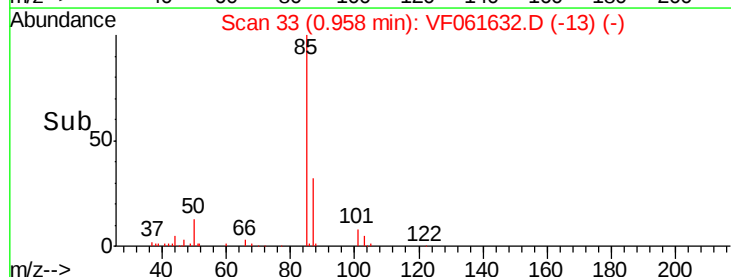
30000

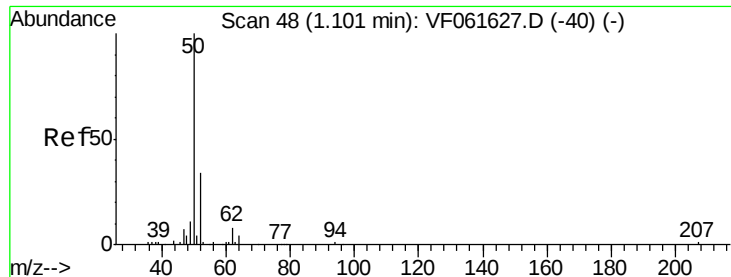
20000

10000

0

Time-->





#3

Chloromethane

Concen: 55.321 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

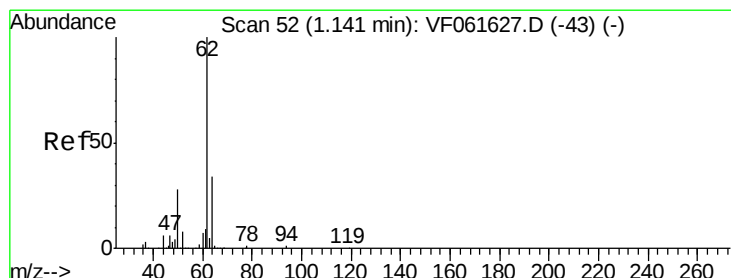
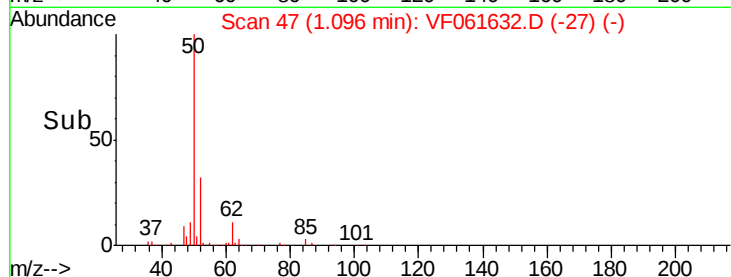
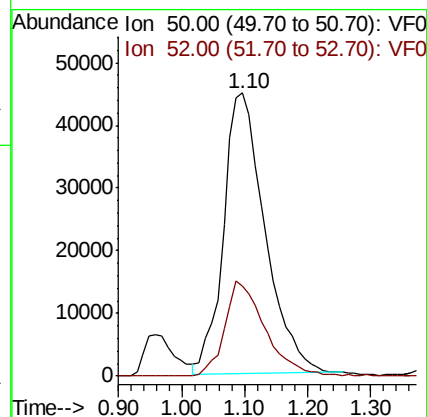
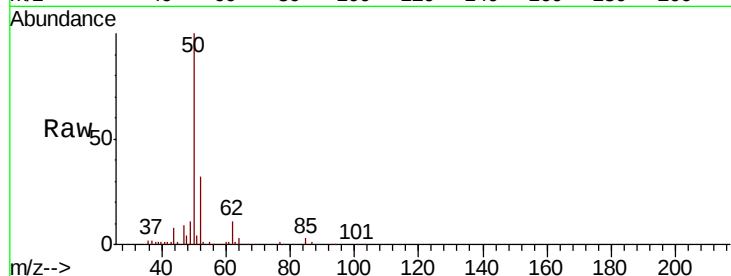
VSTDCCC050

Tgt Ion: 50 Resp: 204550

Ion Ratio Lower Upper

50 100

52 31.9 26.2 39.4



#4

Vinyl Chloride

Concen: 55.613 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061632.D

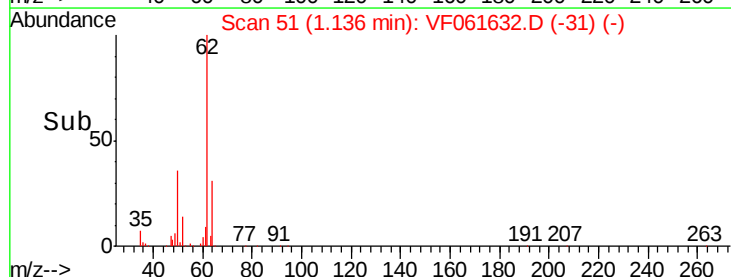
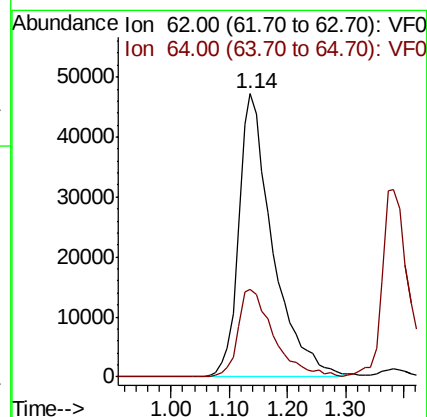
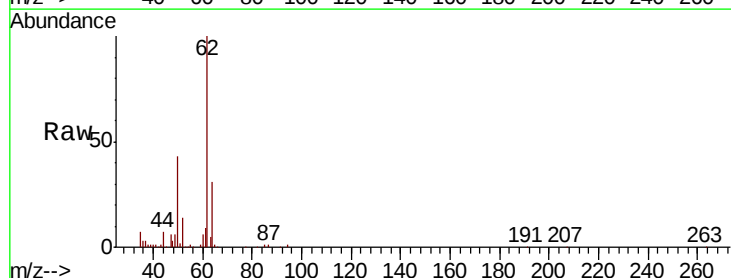
Acq: 14 Feb 2019 10:57

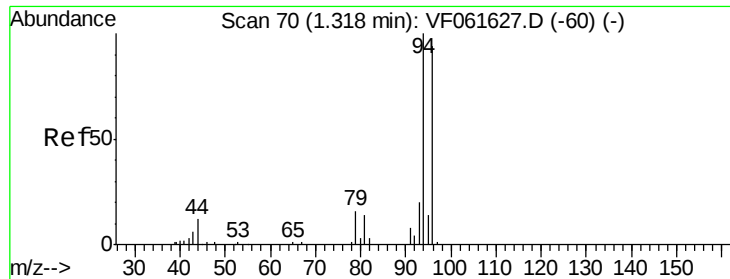
Tgt Ion: 62 Resp: 191159

Ion Ratio Lower Upper

62 100

64 30.7 27.5 41.3





#5

Bromomethane

Concen: 58.815 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

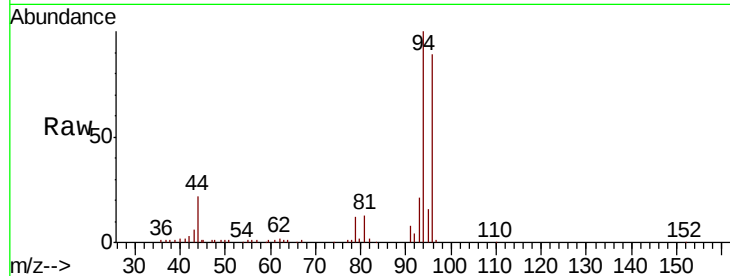
VSTDCCC050

Tgt Ion: 94 Resp: 139140

Ion Ratio Lower Upper

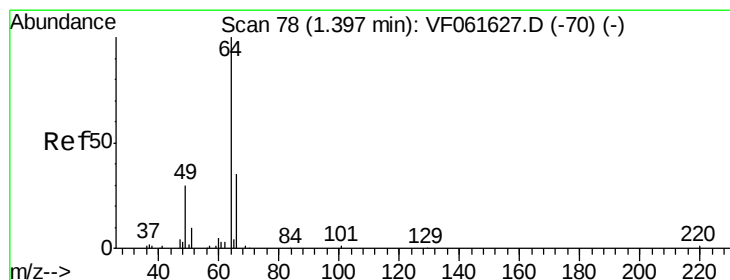
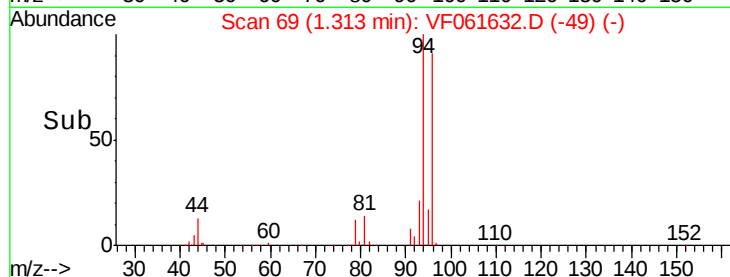
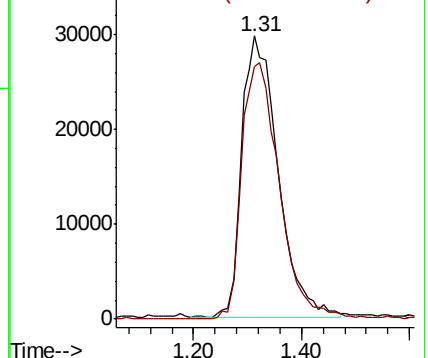
94 100

96 89.3 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: 58.714 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061632.D

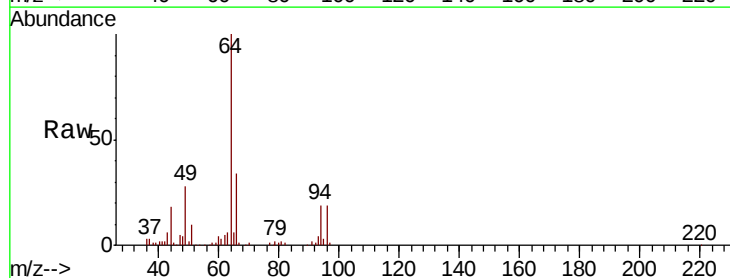
Acq: 14 Feb 2019 10:57

Tgt Ion: 64 Resp: 99459

Ion Ratio Lower Upper

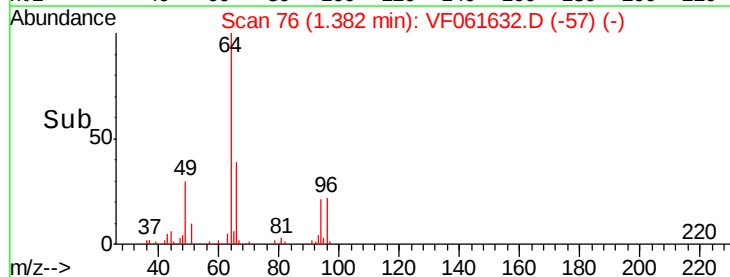
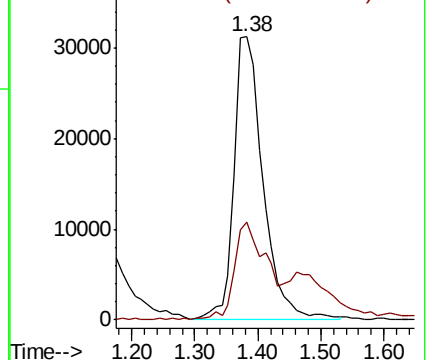
64 100

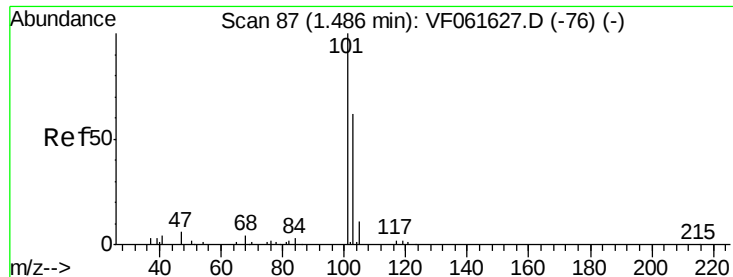
66 34.4 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



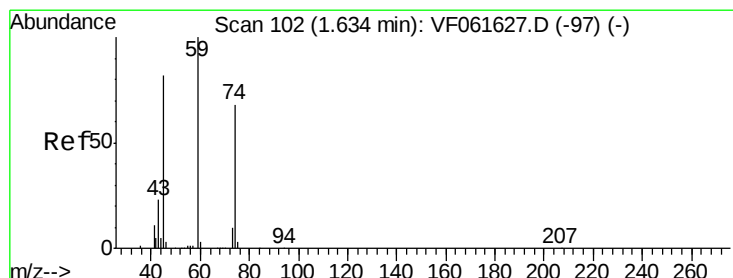
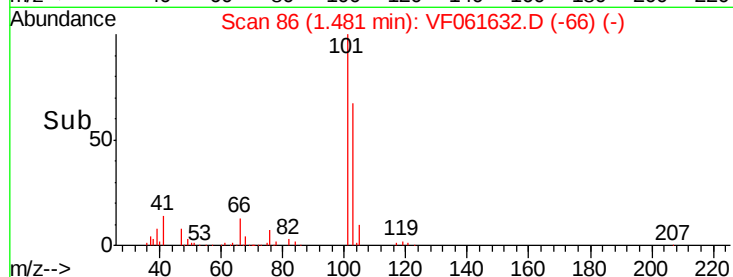
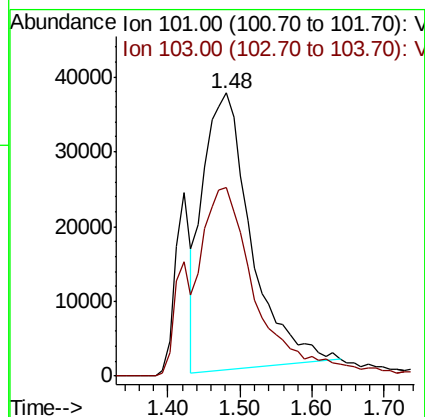
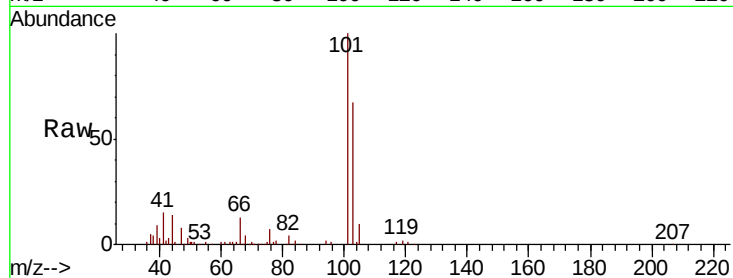


#7

Trichlorofluoromethane
 Concen: 41.256 ug/l
 RT: 1.48 min Scan# 86
 Delta R.T. -0.01 min
 Lab File: VF061632.D
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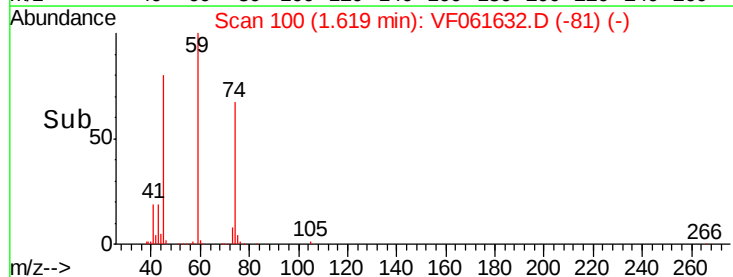
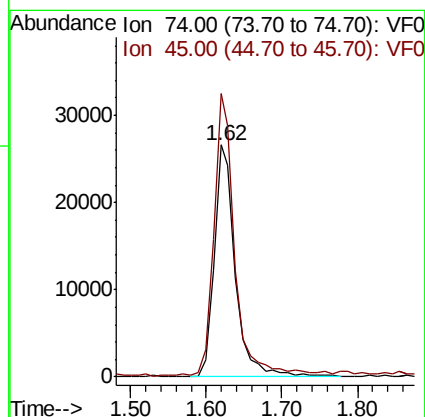
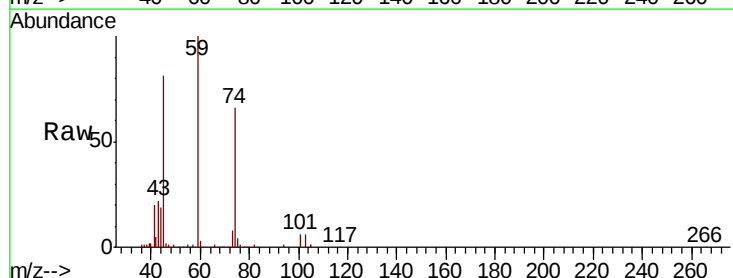
Tgt Ion:101 Resp: 171040
 Ion Ratio Lower Upper
 101 100
 103 66.7 49.3 73.9

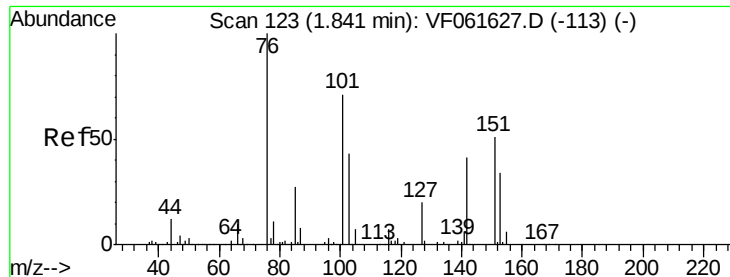


#8

Diethyl Ether
 Concen: 49.856 ug/l
 RT: 1.62 min Scan# 100
 Delta R.T. -0.01 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Tgt Ion: 74 Resp: 52089
 Ion Ratio Lower Upper
 74 100
 45 122.0 60.8 182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.366 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061632.D

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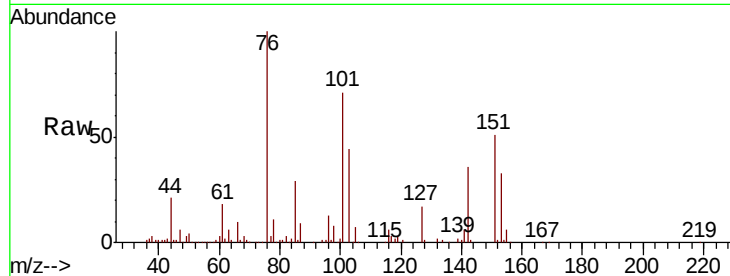
Tgt Ion:101 Resp: 156617

Ion Ratio Lower Upper

101 100

85 40.5 29.8 44.6

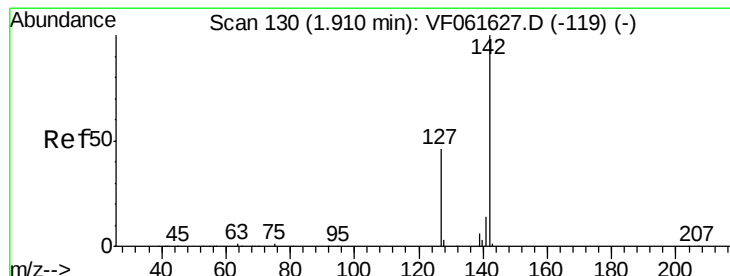
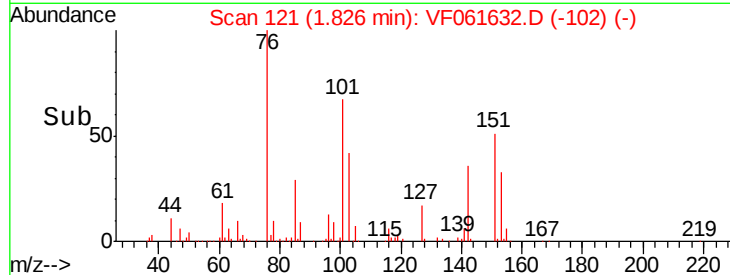
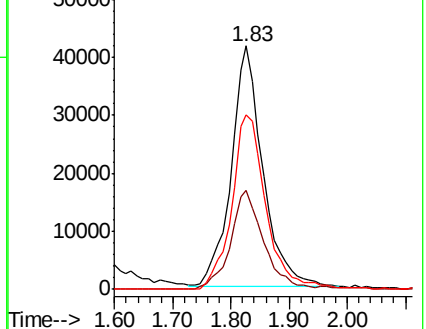
151 71.9 56.3 84.5



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: 40.699 ug/l

RT: 1.90 min Scan# 128

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

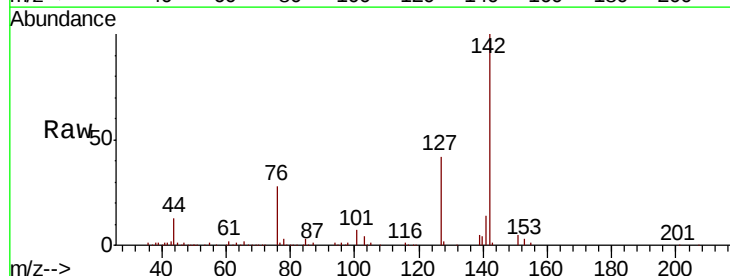
Tgt Ion:142 Resp: 232521

Ion Ratio Lower Upper

142 100

127 42.0 36.6 55.0

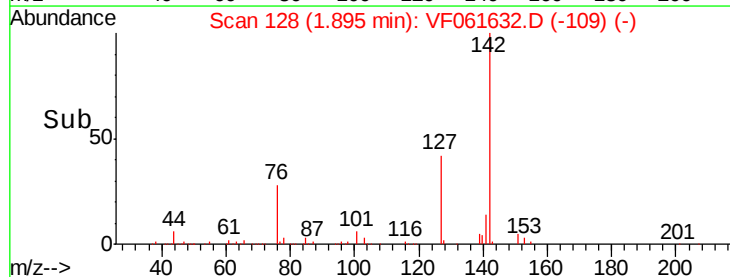
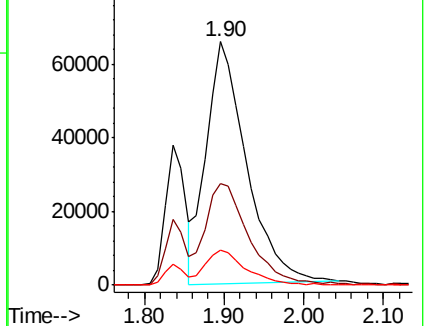
141 14.3 11.0 16.6

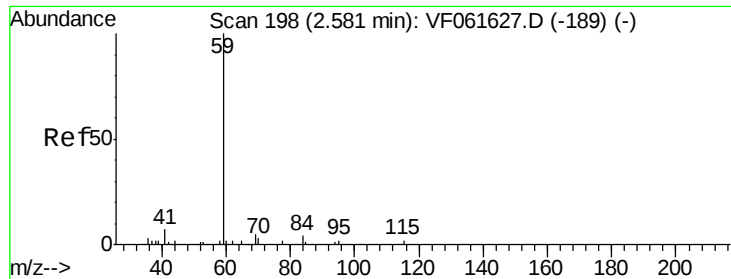


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

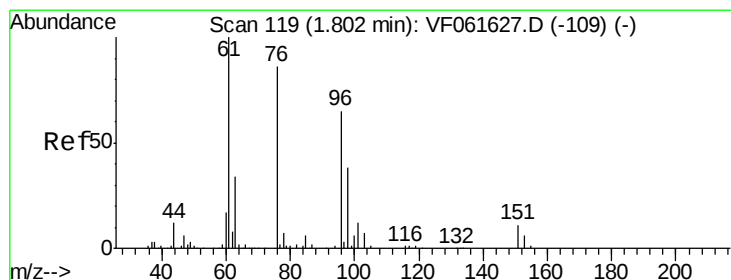
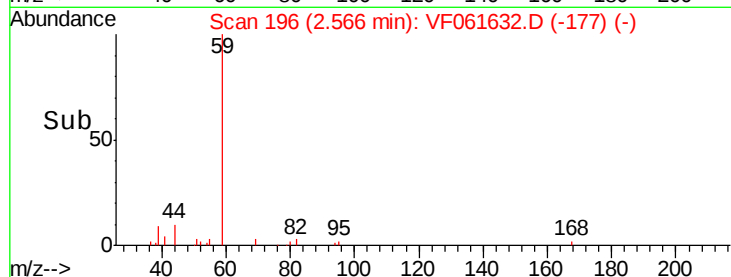
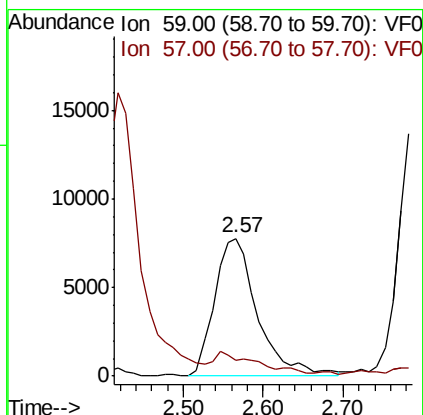
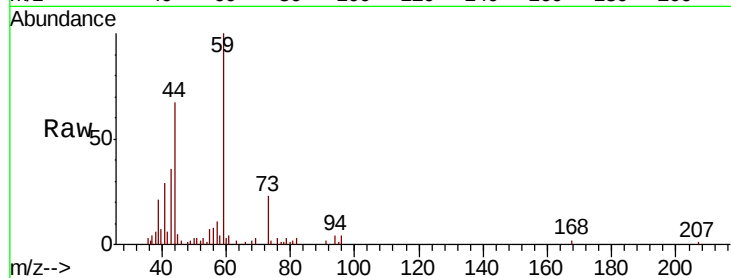




#11
Tert butyl alcohol
Concen: 225.447 ug/l
RT: 2.57 min Scan# 196
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

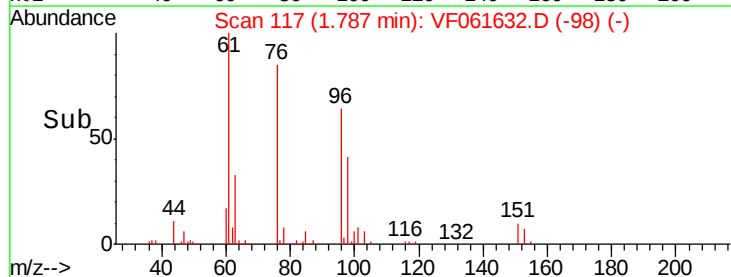
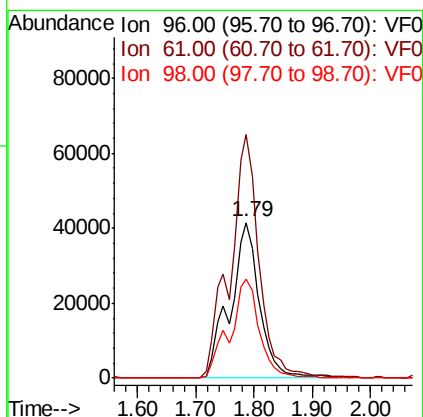
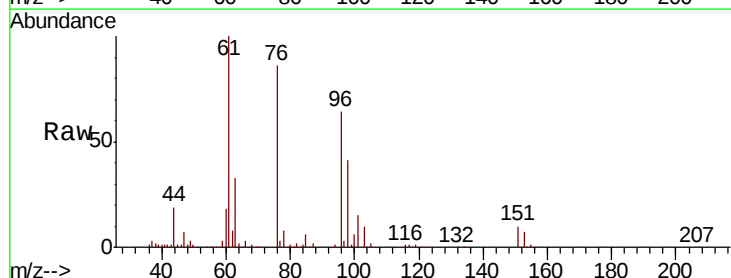
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

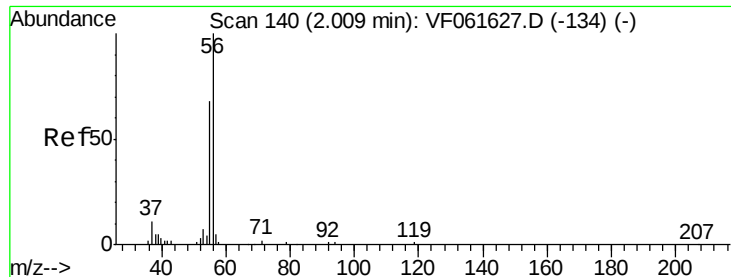
Tgt Ion: 59 Resp: 29361
Ion Ratio Lower Upper
59 100
57 11.1 12.5 18.7#



#12
1,1-Dichloroethene
Concen: 55.729 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion: 96 Resp: 146544
Ion Ratio Lower Upper
96 100
61 156.2 122.6 184.0
98 63.5 47.2 70.8

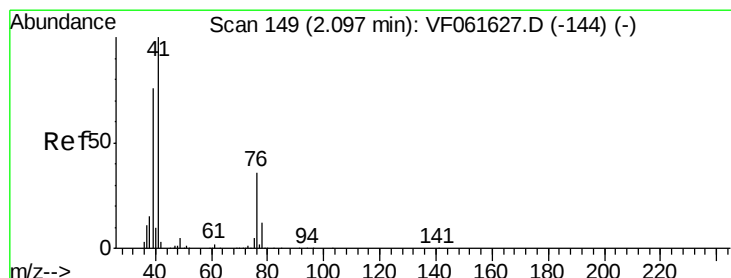
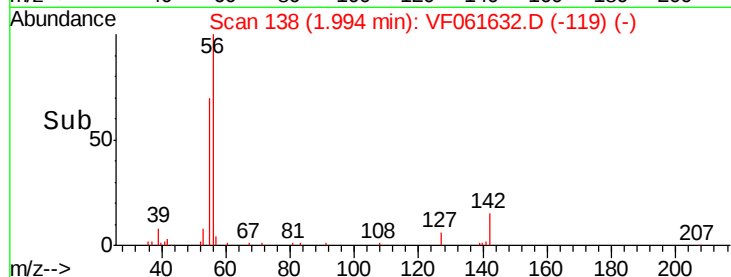
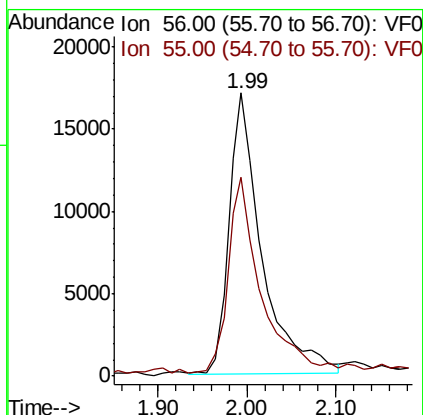
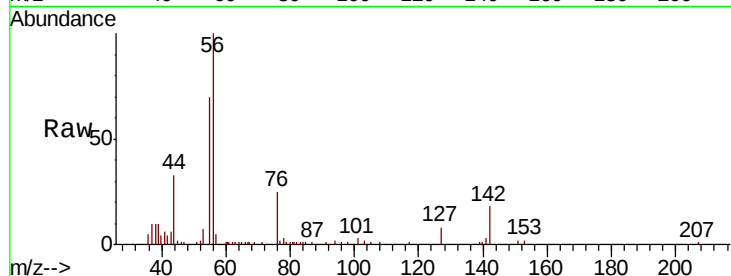




#13
Acrolein
Concen: 268.815 ug/l
RT: 1.99 min Scan# 138
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

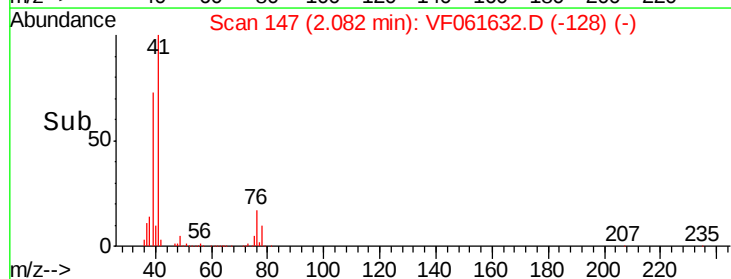
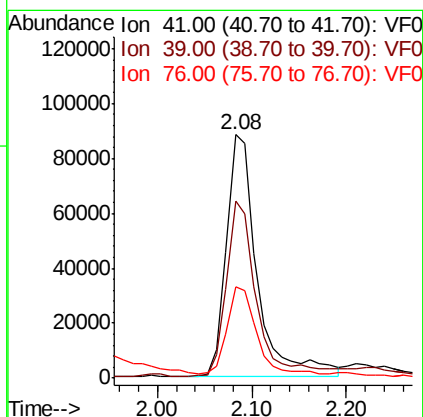
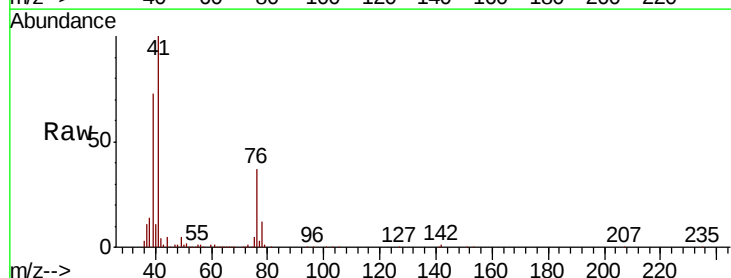
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

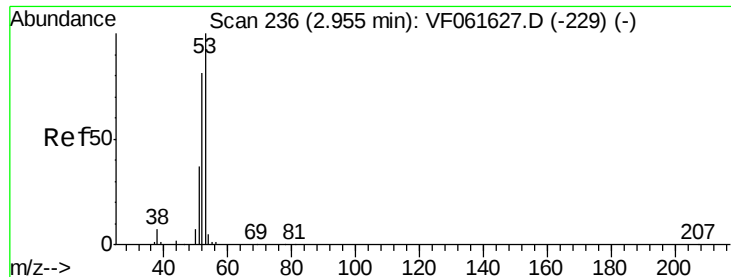
Tgt Ion: 56 Resp: 44000
Ion Ratio Lower Upper
56 100
55 70.2 55.0 82.6



#14
Allyl chloride
Concen: 62.560 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion: 41 Resp: 201866
Ion Ratio Lower Upper
41 100
39 72.8 61.6 92.4
76 37.5 30.3 45.5





#15

Acrylonitrile

Concen: 230.258 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.02 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

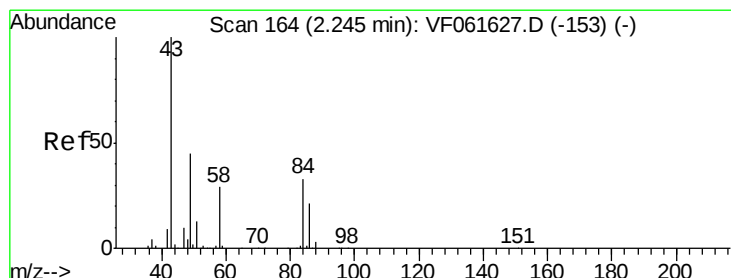
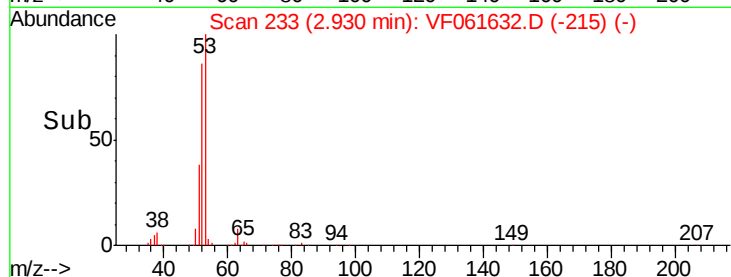
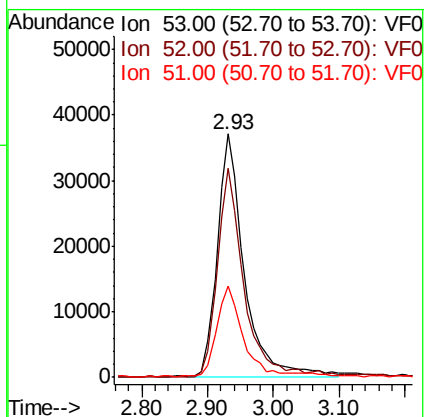
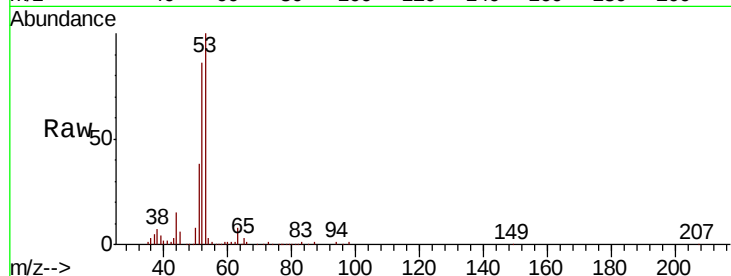
Tgt Ion: 53 Resp: 106367

Ion Ratio Lower Upper

53 100

52 85.9 64.6 97.0

51 37.7 29.8 44.8



#16

Acetone

Concen: 284.121 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061632.D

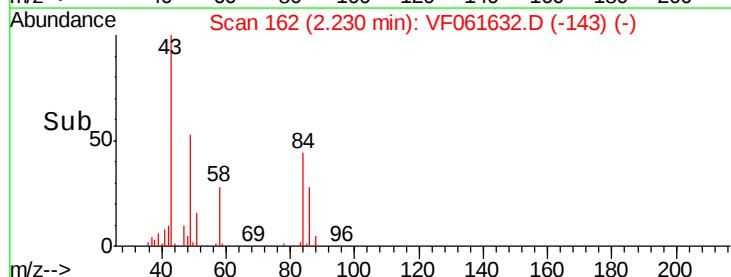
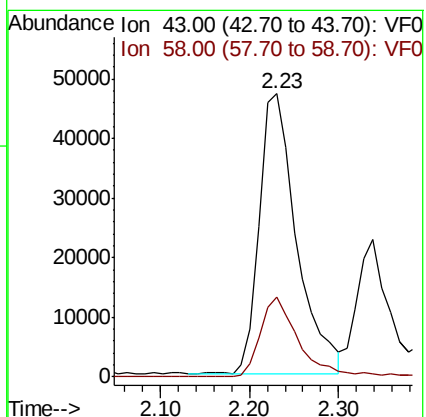
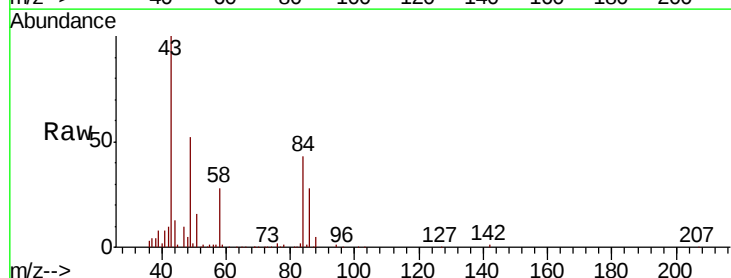
Acq: 14 Feb 2019 10:57

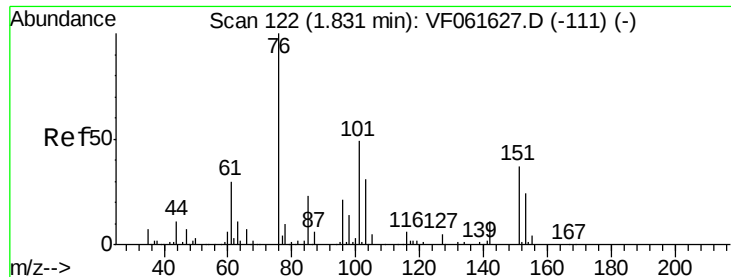
Tgt Ion: 43 Resp: 137179

Ion Ratio Lower Upper

43 100

58 28.2 22.9 34.3

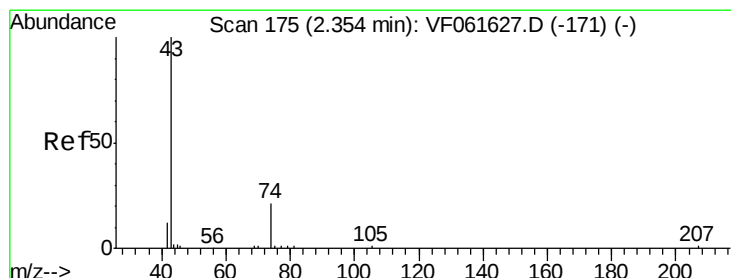
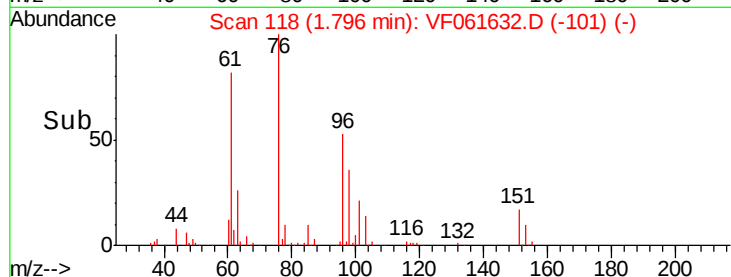
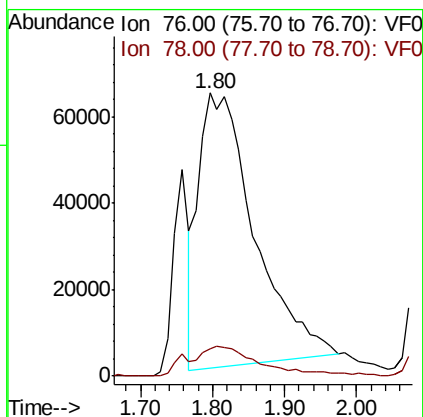
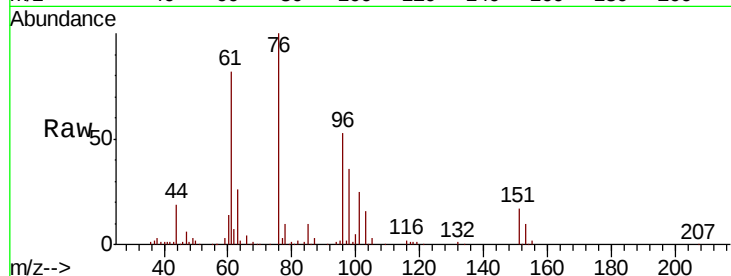




#17
Carbon Disulfide
Concen: 41.188 ug/l
RT: 1.80 min Scan# 118
Delta R.T. -0.03 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

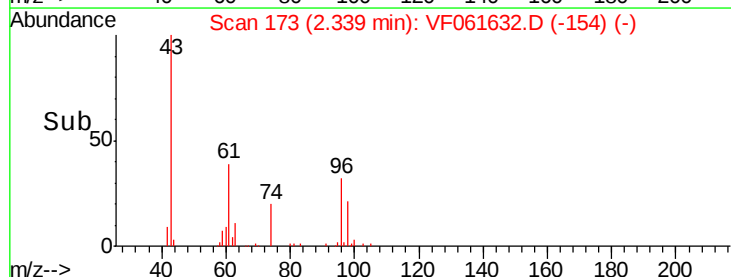
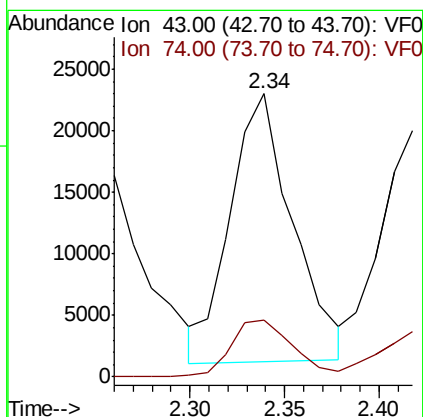
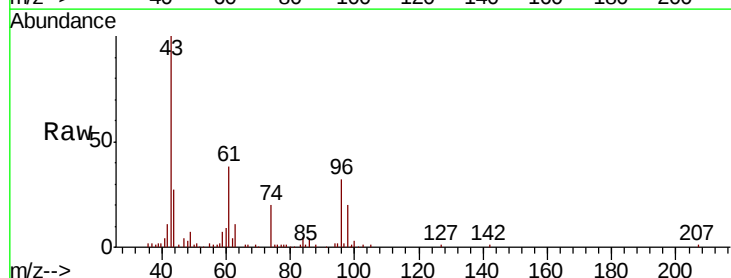
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

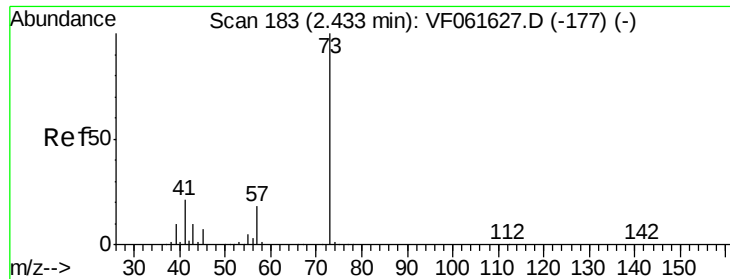
Tgt Ion: 76 Resp: 340443
Ion Ratio Lower Upper
76 100
78 9.8 7.9 11.9



#18
Methyl Acetate
Concen: 45.968 ug/l
RT: 2.34 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion: 43 Resp: 49998
Ion Ratio Lower Upper
43 100
74 19.9 14.6 21.8



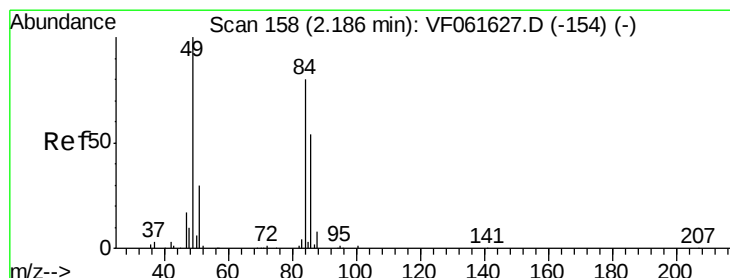
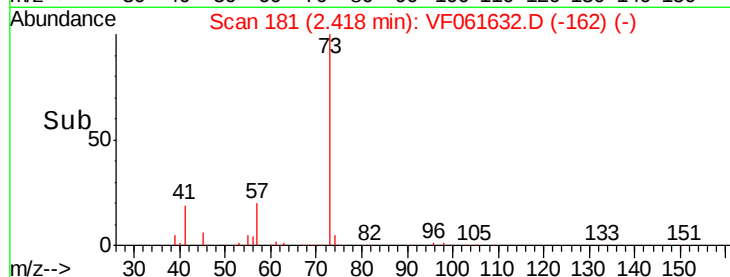
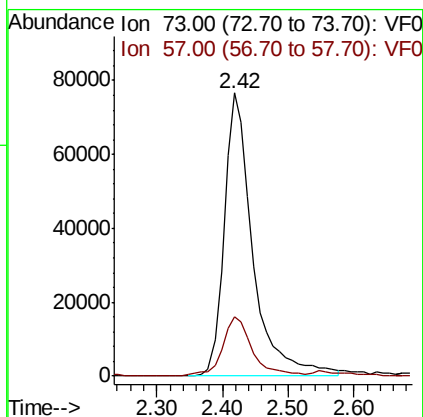
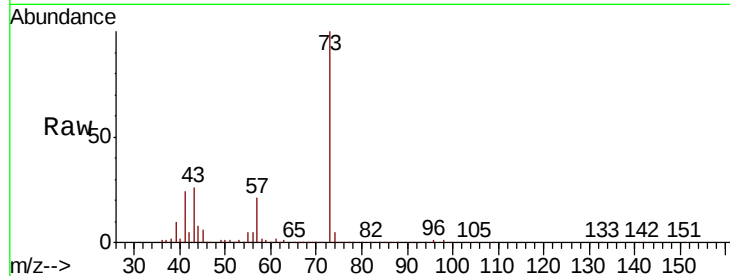


#19

Methyl tert-butyl Ether
Concen: 51.896 ug/l
RT: 2.42 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

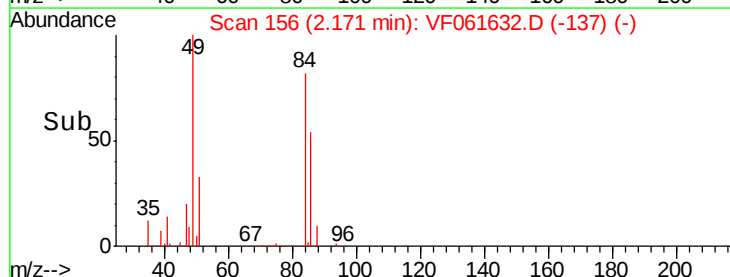
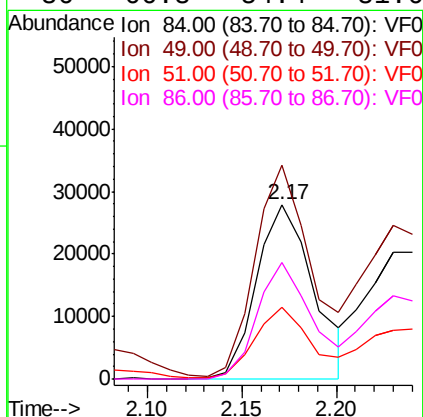
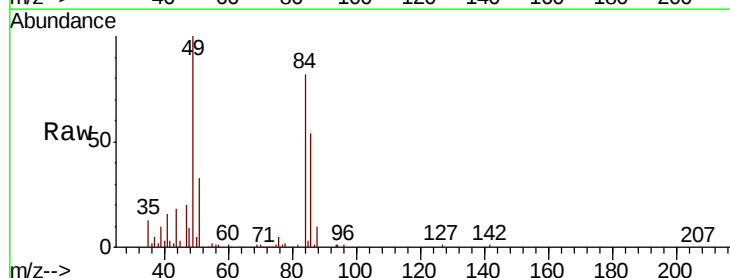
Tgt Ion: 73 Resp: 233225
Ion Ratio Lower Upper
73 100
57 20.9 15.8 23.8

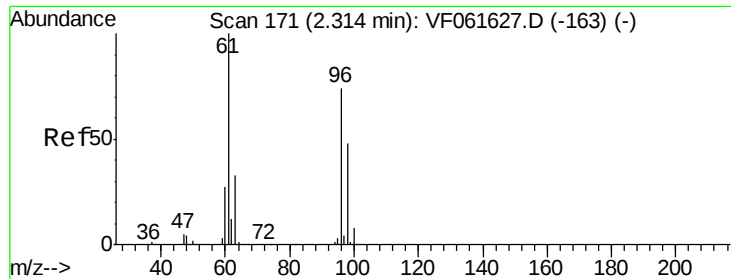


#20

Methylene Chloride
Concen: 21.161 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion: 84 Resp: 58508
Ion Ratio Lower Upper
84 100
49 122.7 101.8 152.8
51 41.1 31.1 46.7
86 66.8 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 53.180 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

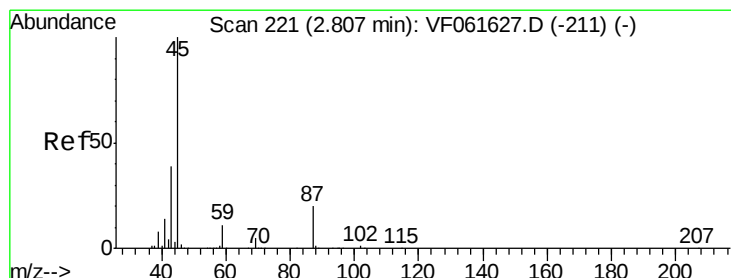
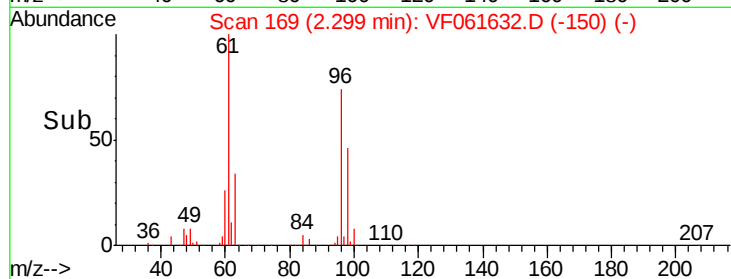
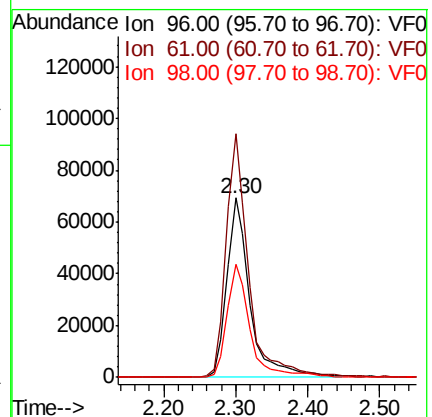
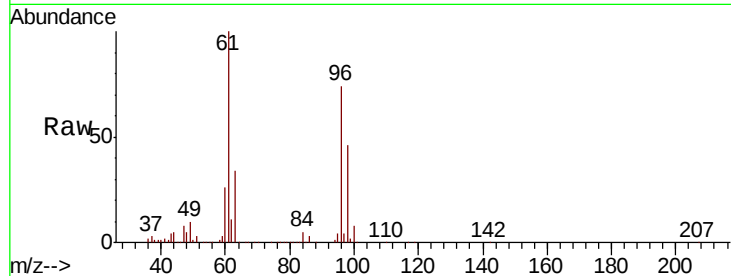
Tgt Ion: 96 Resp: 152017

Ion Ratio Lower Upper

96 100

61 135.8 108.2 162.4

98 62.7 52.2 78.2



#22

Diisopropyl ether

Concen: 52.858 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.02 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Tgt Ion: 45 Resp: 409416

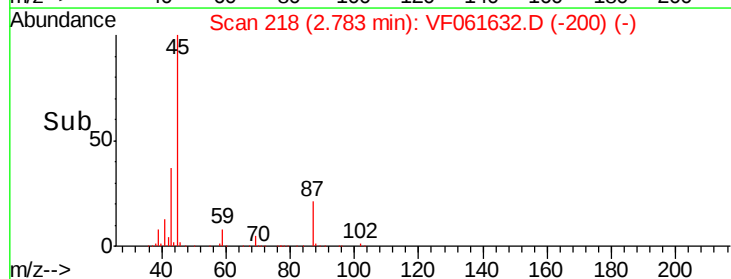
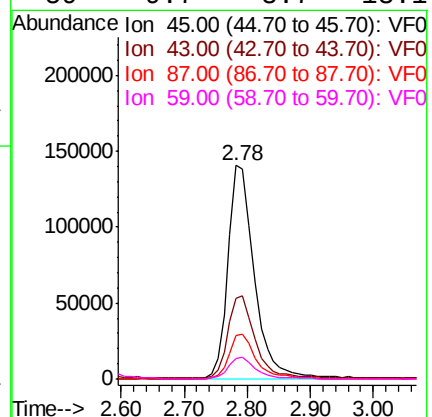
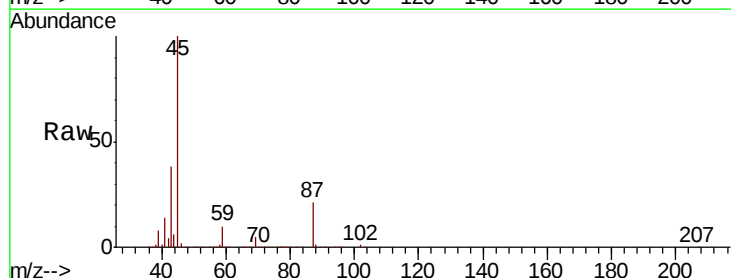
Ion Ratio Lower Upper

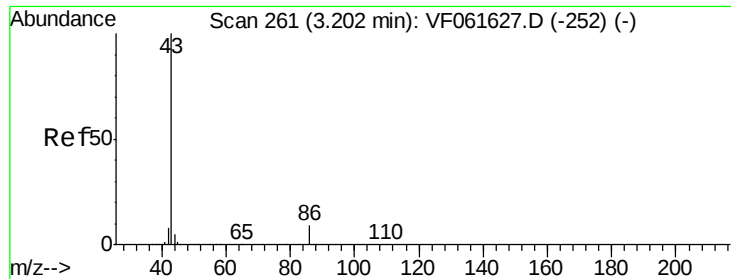
45 100

43 37.8 31.4 47.2

87 20.6 16.3 24.5

59 9.7 8.7 13.1





#23

Vinyl Acetate

Concen: 248.932 ug/l

RT: 3.18 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

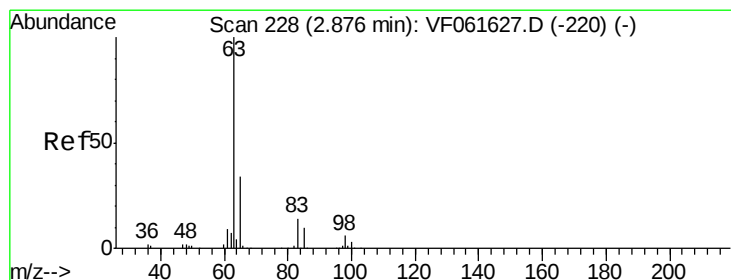
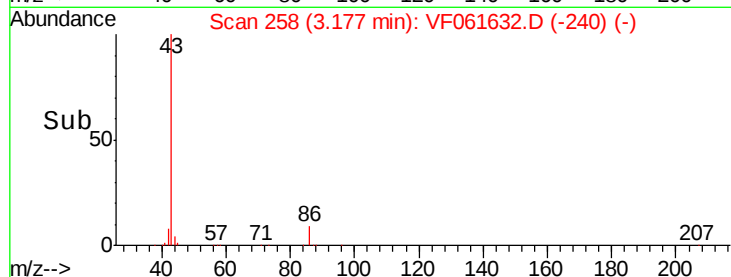
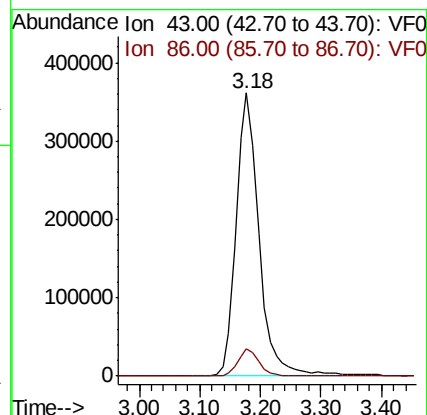
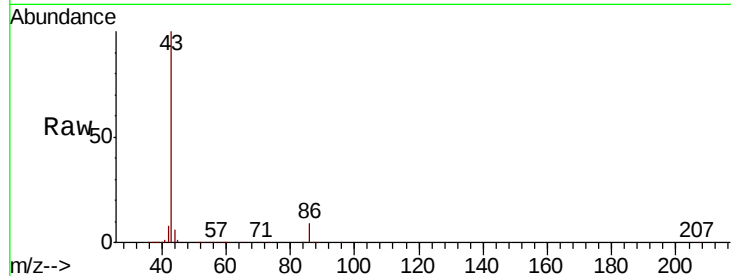
VSTDCCC050

Tgt Ion: 43 Resp: 941755

Ion Ratio Lower Upper

43 100

86 9.5 7.5 11.3



#24

1,1-Dichloroethane

Concen: 52.538 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

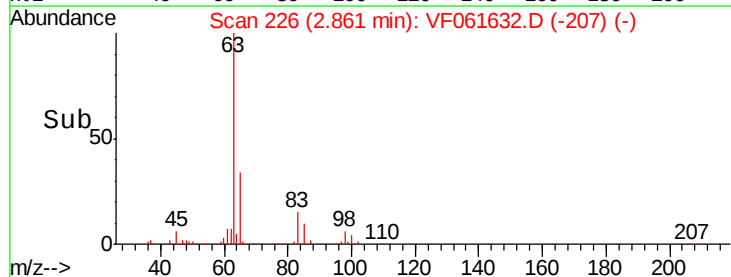
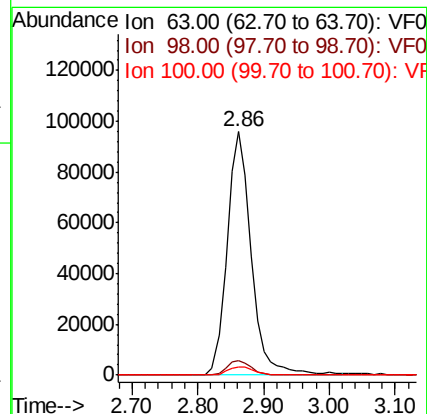
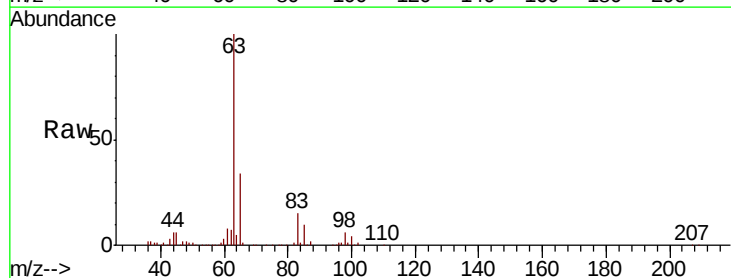
Tgt Ion: 63 Resp: 246263

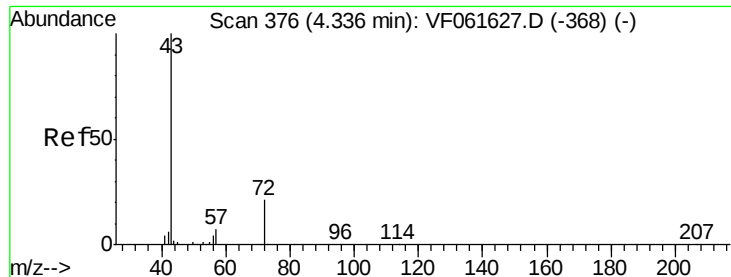
Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.3

100 3.5 1.8 5.4





#25

2-Butanone

Concen: 258.152 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

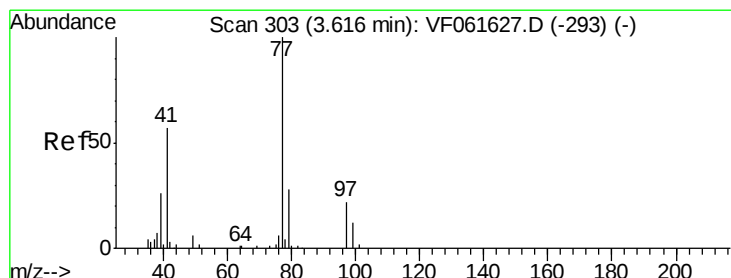
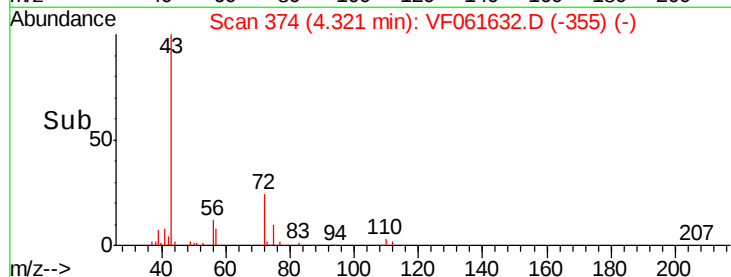
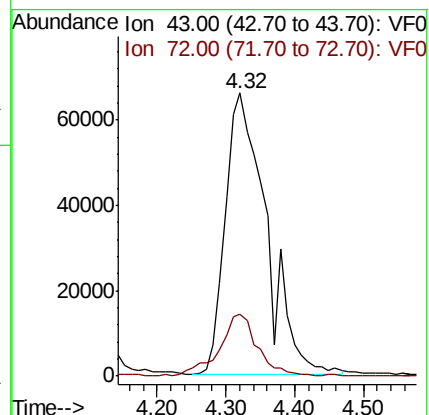
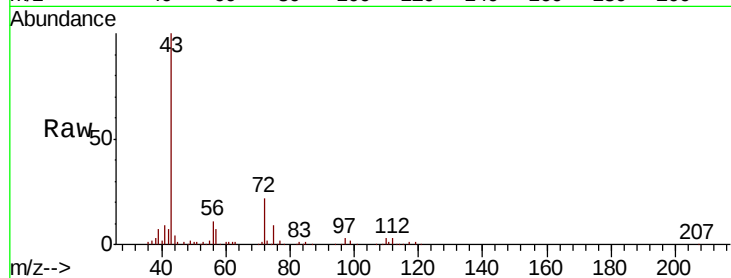
VSTDCCC050

Tgt Ion: 43 Resp: 272254

Ion Ratio Lower Upper

43 100

72 21.9 17.1 25.7



#26

2,2-Dichloropropane

Concen: 57.583 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.02 min

Lab File: VF061632.D

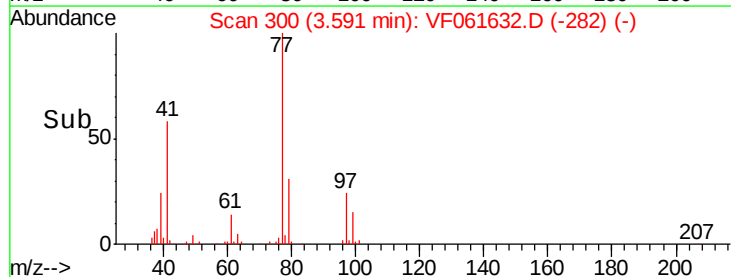
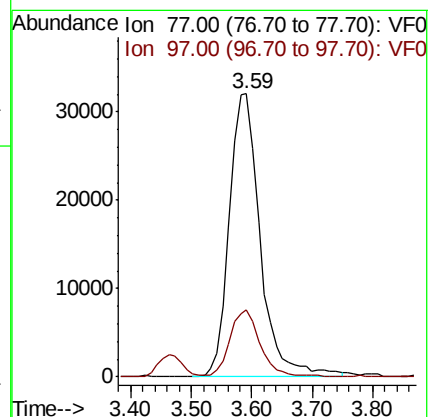
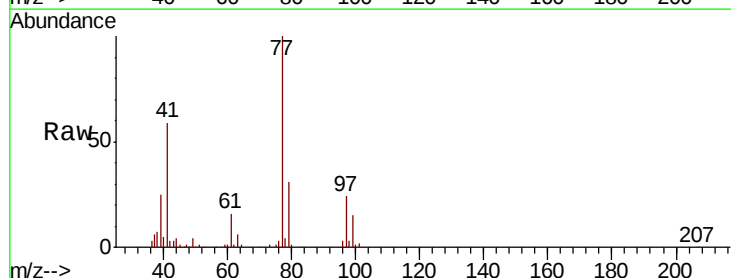
Acq: 14 Feb 2019 10:57

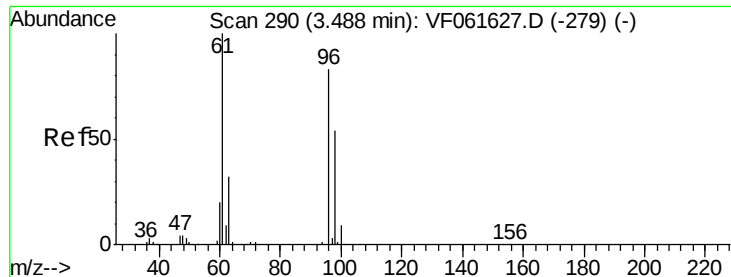
Tgt Ion: 77 Resp: 114330

Ion Ratio Lower Upper

77 100

97 23.7 11.7 35.0



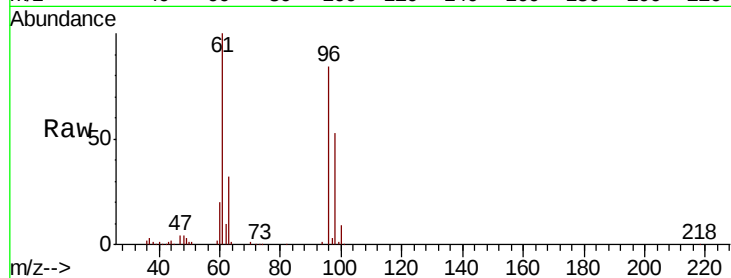


#27

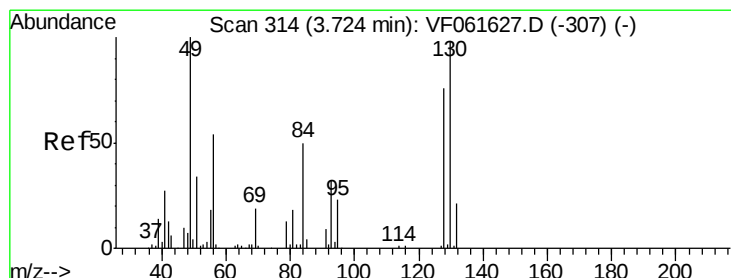
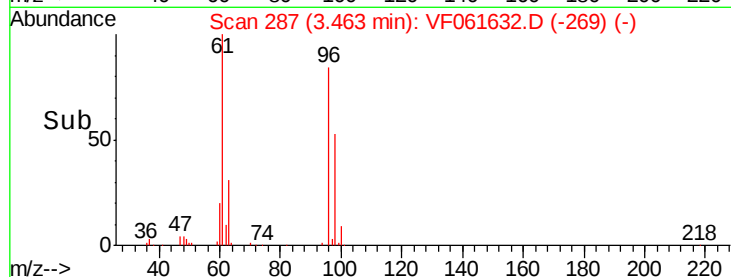
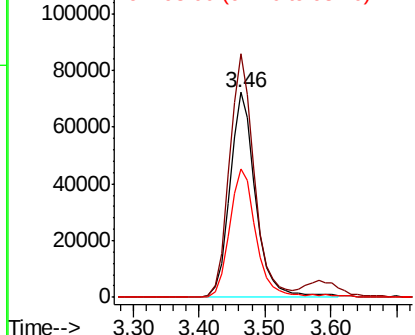
cis-1,2-Dichloroethene
Concen: 52.653 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.02 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 197556
Ion Ratio Lower Upper
96 100
61 118.8 0.0 241.6
98 62.6 0.0 130.2



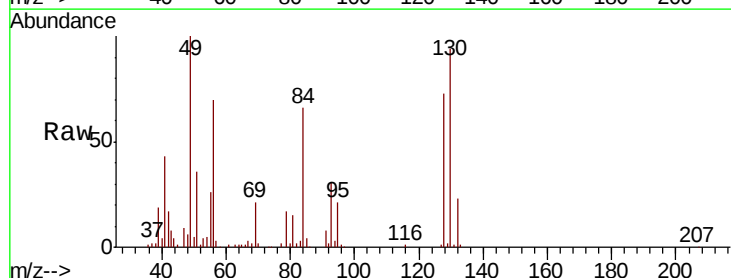
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



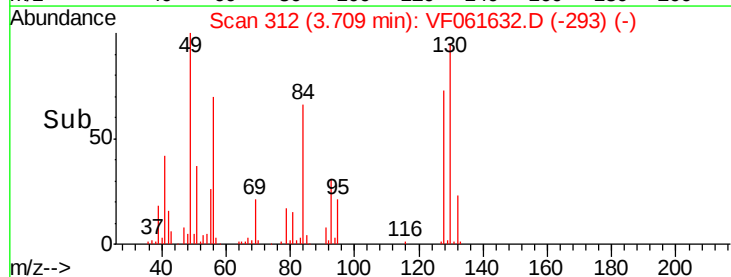
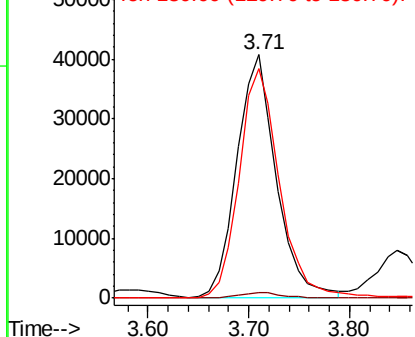
#28

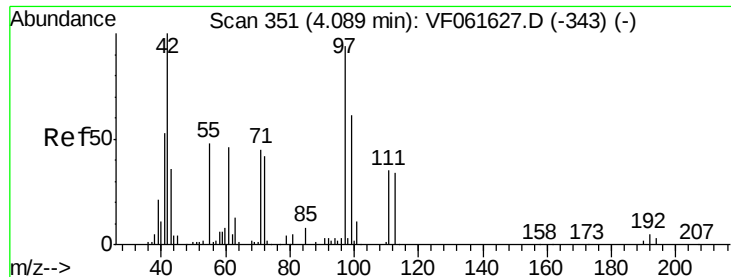
Bromochloromethane
Concen: 48.841 ug/l
RT: 3.71 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion: 49 Resp: 109846
Ion Ratio Lower Upper
49 100
129 2.4 0.0 3.4
130 94.2 77.7 116.5



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

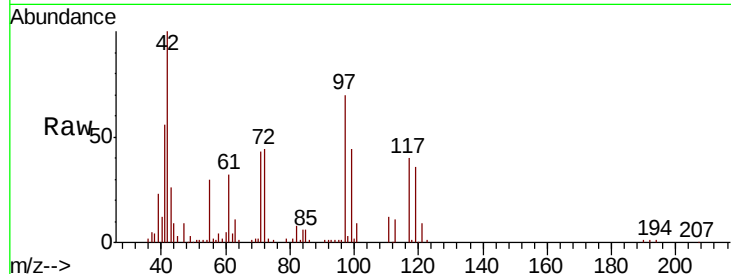




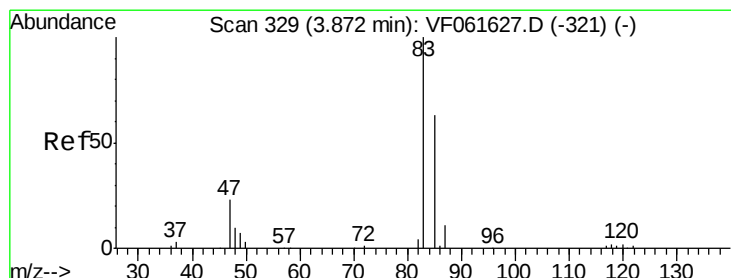
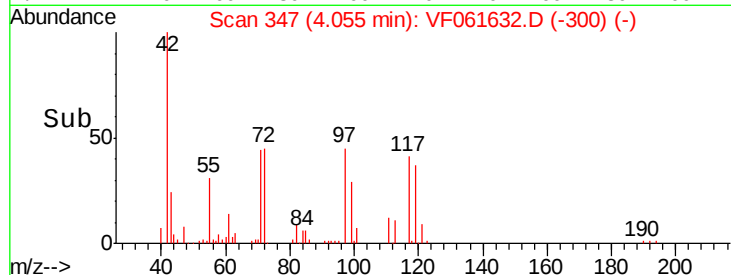
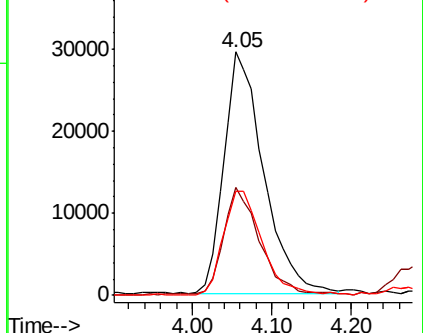
#29
Tetrahydrofuran
Concen: 215.066 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.03 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 103089
Ion Ratio Lower Upper
42 100
72 40.0 35.2 52.8
71 42.0 32.9 49.3

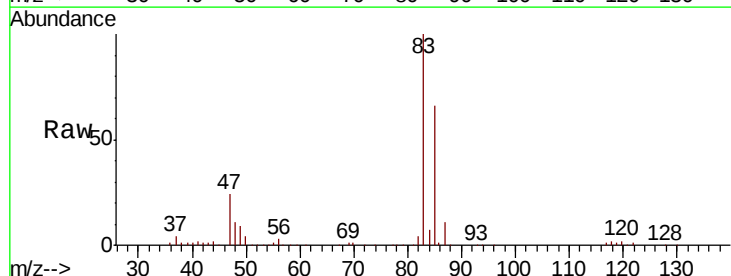


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

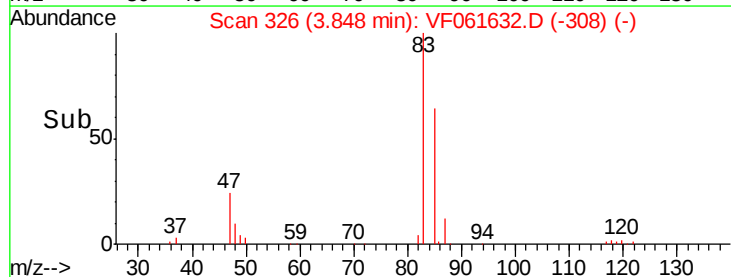
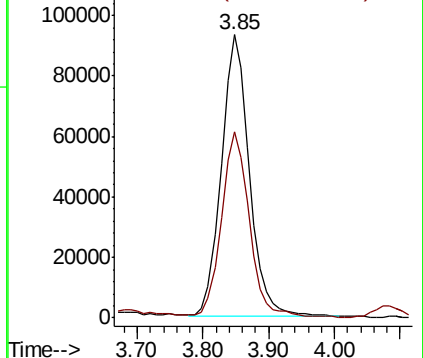


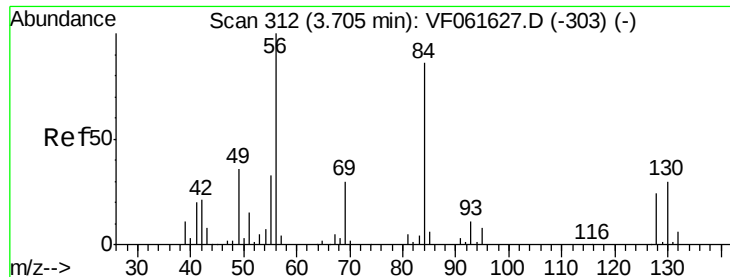
#30
Chloroform
Concen: 51.750 ug/l
RT: 3.85 min Scan# 326
Delta R.T. -0.02 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion: 83 Resp: 275860
Ion Ratio Lower Upper
83 100
85 65.6 51.1 76.7



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

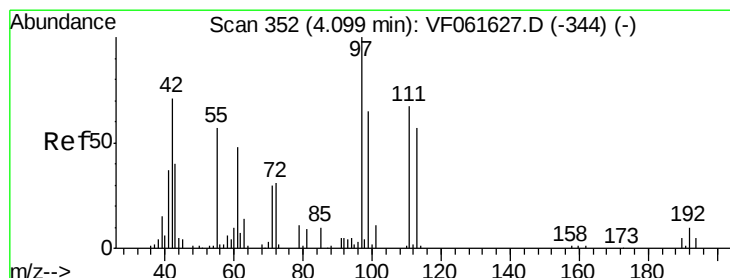
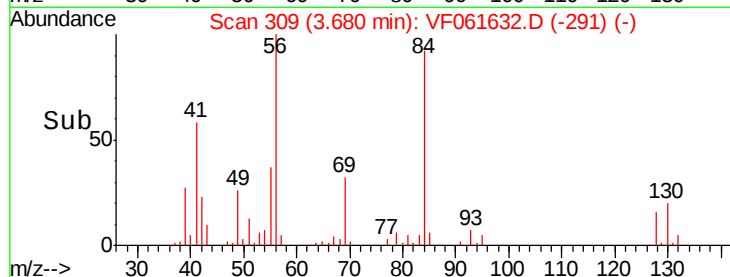
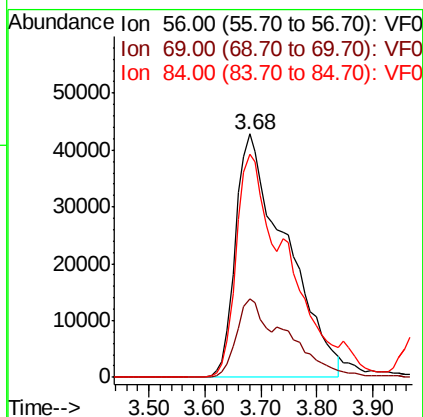
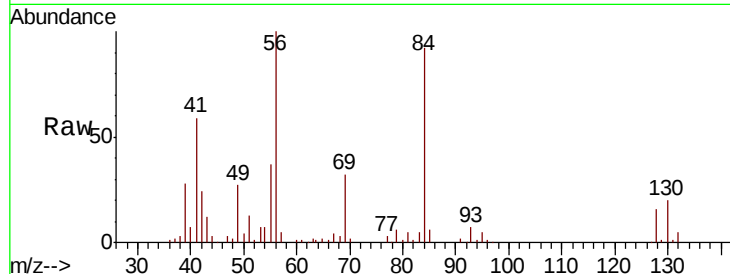




#31
Cyclohexane
Concen: 52.550 ug/l
RT: 3.68 min Scan# 309
Delta R.T. -0.02 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

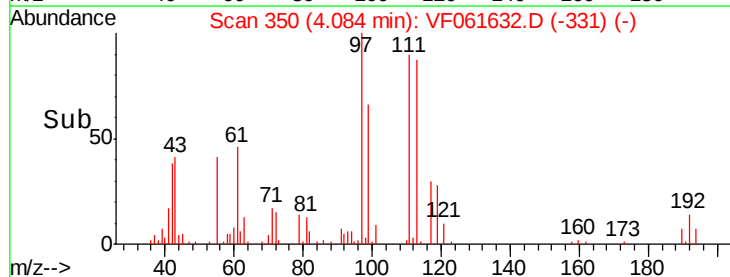
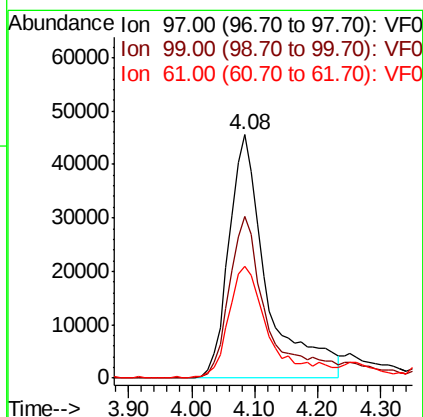
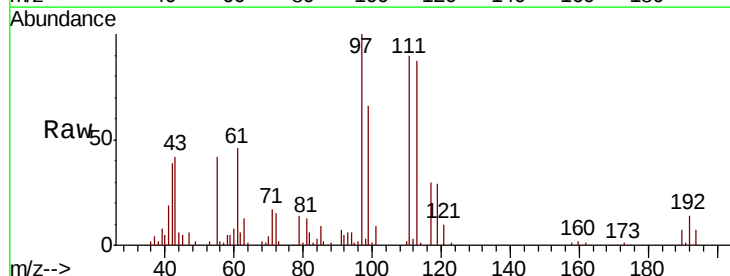
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

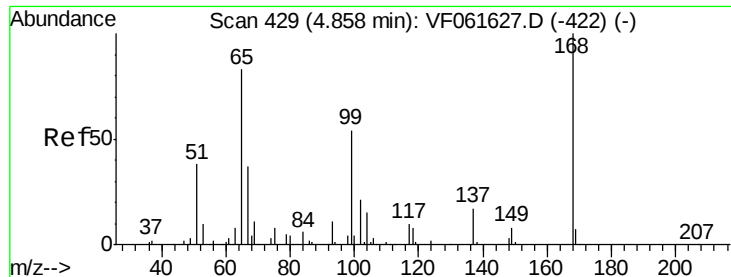
Tgt Ion: 56 Resp: 266653
Ion Ratio Lower Upper
56 100
69 32.3 23.8 35.8
84 91.9 68.6 103.0



#32
1,1,1-Trichloroethane
Concen: 54.564 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion: 97 Resp: 190530
Ion Ratio Lower Upper
97 100
99 66.5 52.2 78.2
61 45.9 39.2 58.8

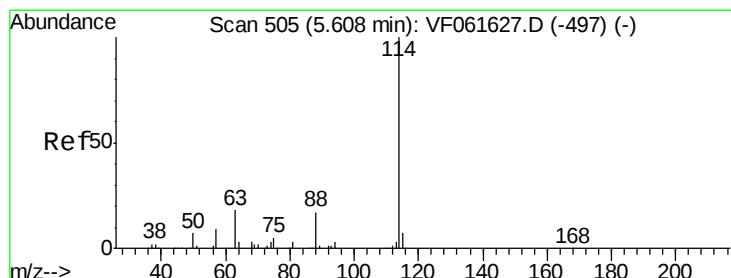
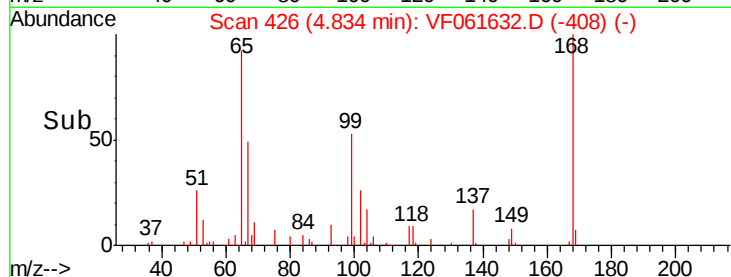
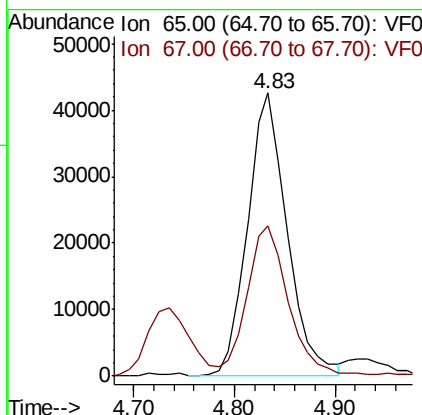
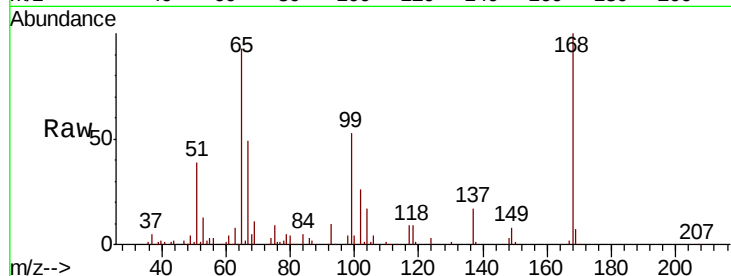




#33
 1,2-Dichloroethane-d4
 Concen: 51.210 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.02 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

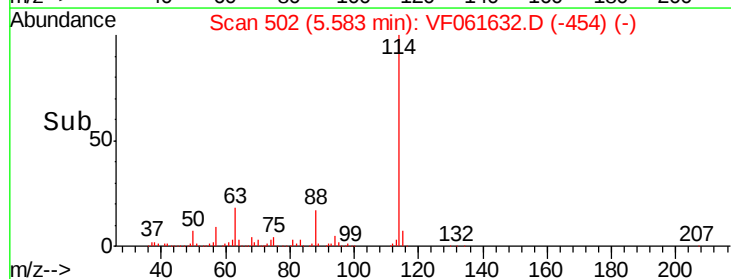
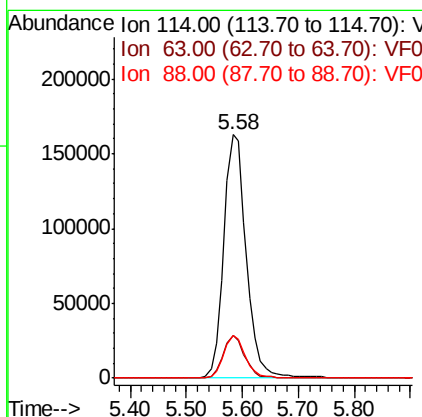
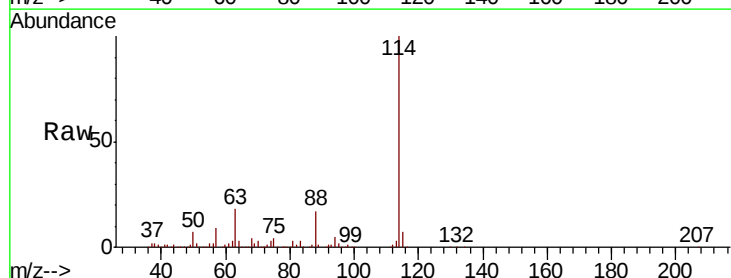
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

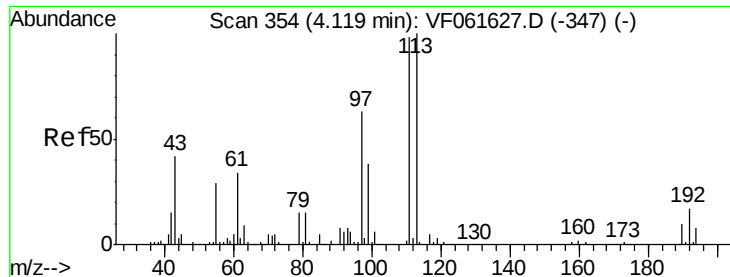
Tgt Ion: 65 Resp: 115238
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.02 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Tgt Ion: 114 Resp: 455411
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 36.6
 88 17.4 0.0 34.4

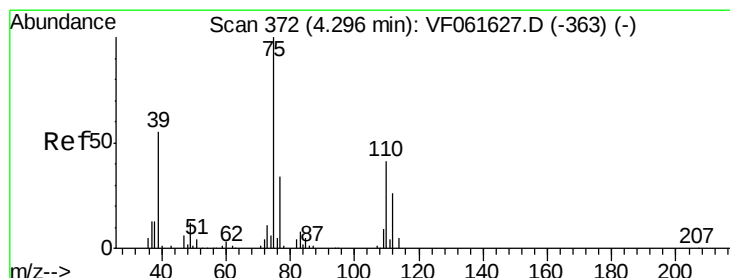
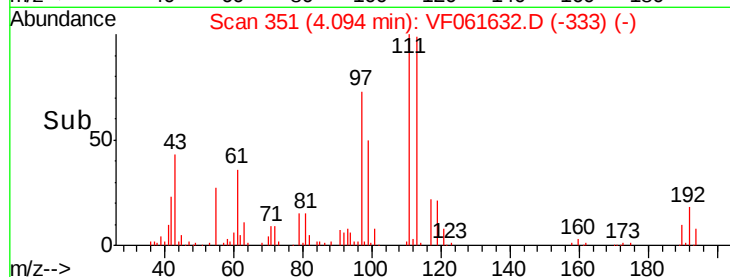
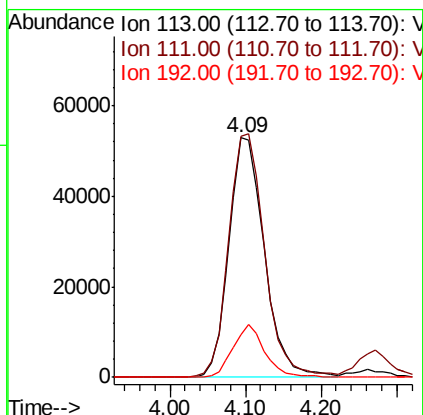
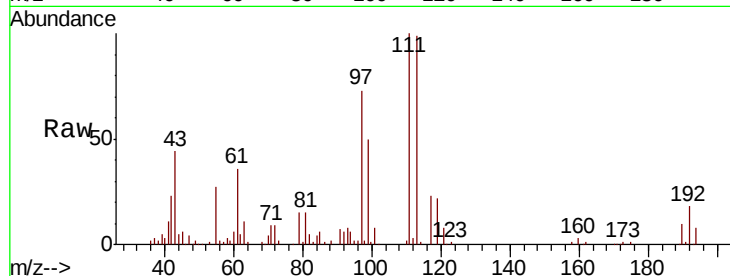




#35
 Dibromofluoromethane
 Concen: 51.089 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

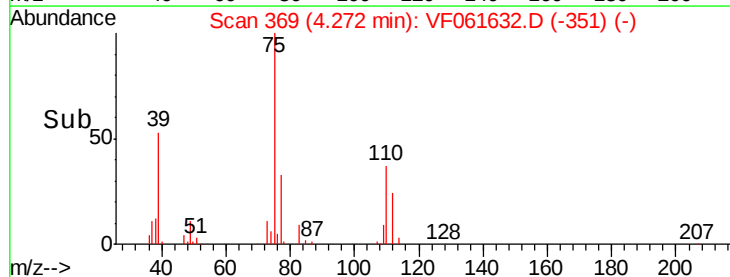
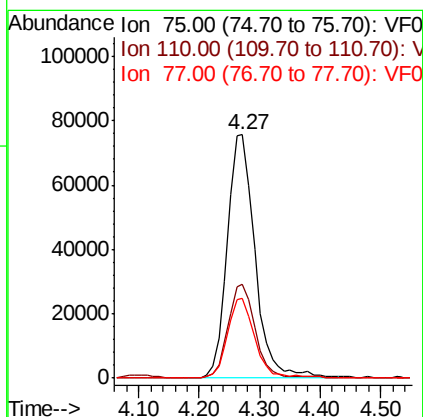
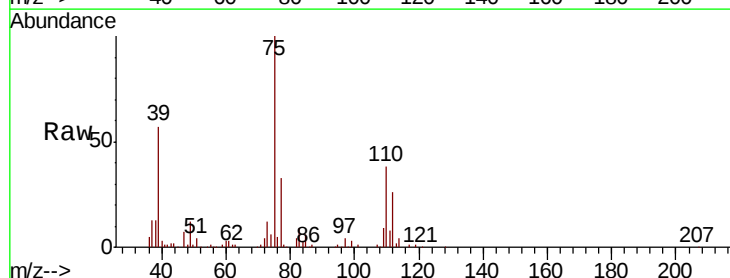
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

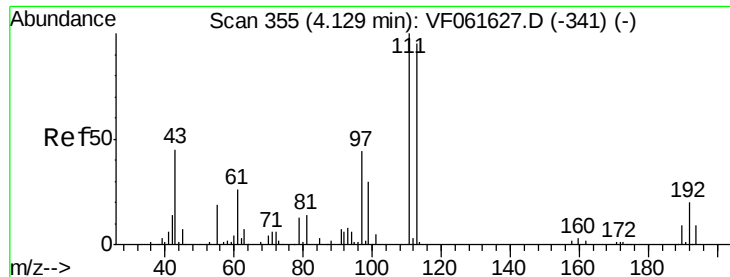
Tgt Ion: 113 Resp: 172778
 Ion Ratio Lower Upper
 113 100
 111 100.8 78.8 118.2
 192 17.8 13.4 20.0



#36
 1,1-Dichloropropene
 Concen: 53.603 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. -0.02 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Tgt Ion: 75 Resp: 241826
 Ion Ratio Lower Upper
 75 100
 110 38.4 20.5 61.6
 77 32.9 27.0 40.4

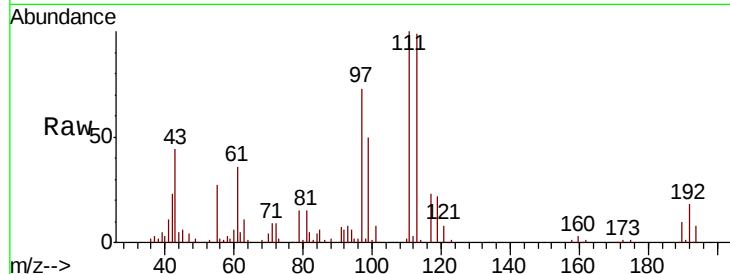




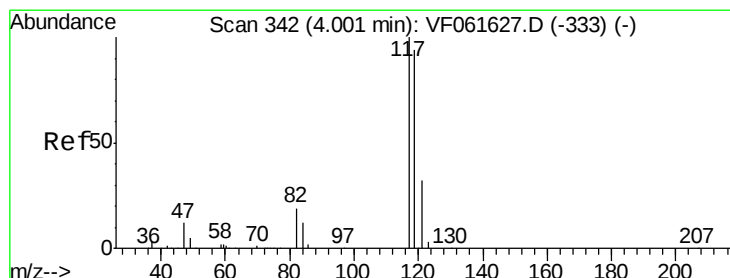
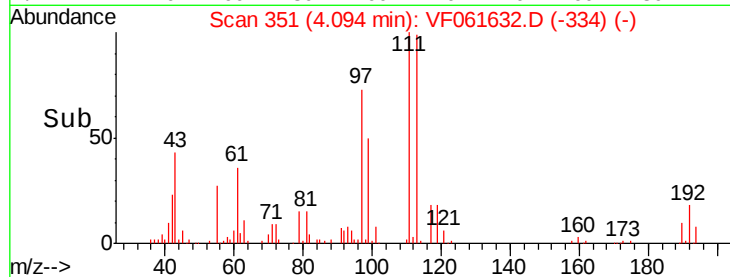
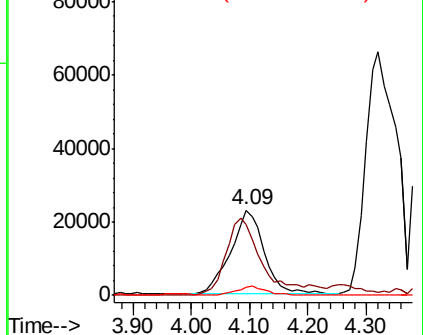
#37
 Ethyl Acetate
 Concen: 43.391 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.03 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 90924
 Ion Ratio Lower Upper
 43 100
 61 83.0 45.7 68.5#
 70 9.4 8.5 12.7

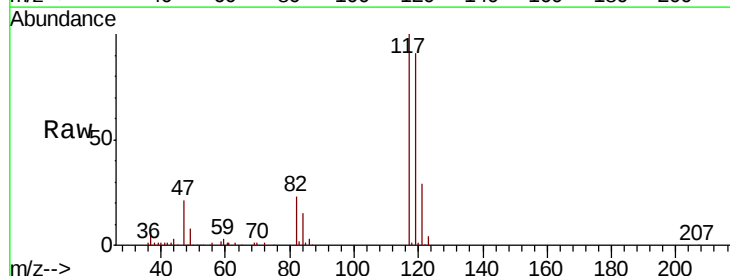


Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 70.00 (69.70 to 70.70): VF0

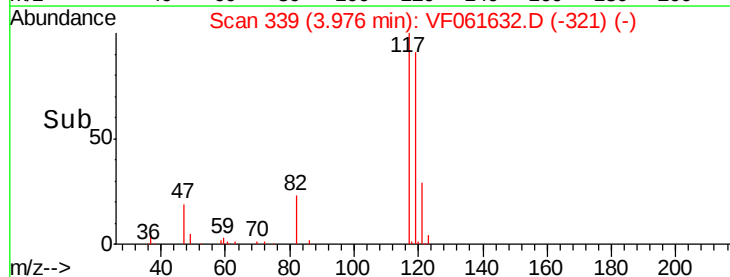
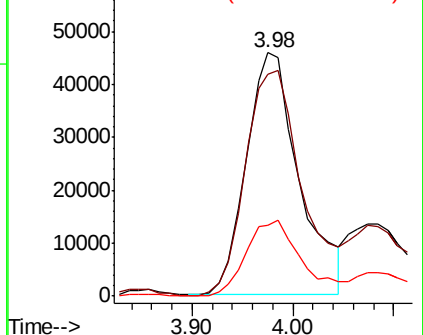


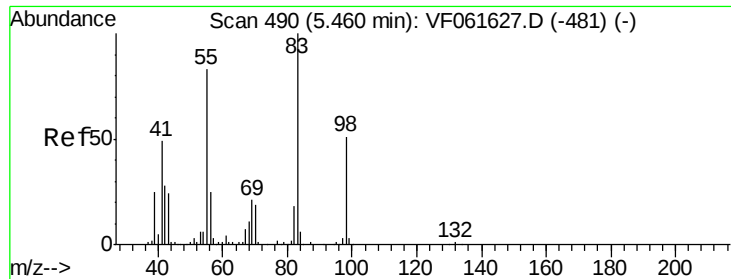
#38
 Carbon Tetrachloride
 Concen: 53.855 ug/l
 RT: 3.98 min Scan# 339
 Delta R.T. -0.02 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Tgt Ion: 117 Resp: 167768
 Ion Ratio Lower Upper
 117 100
 119 90.9 75.6 113.4
 121 29.6 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

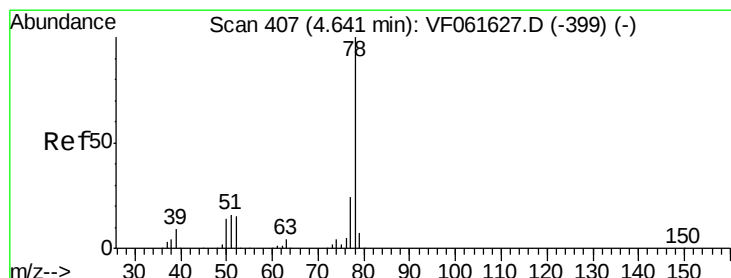
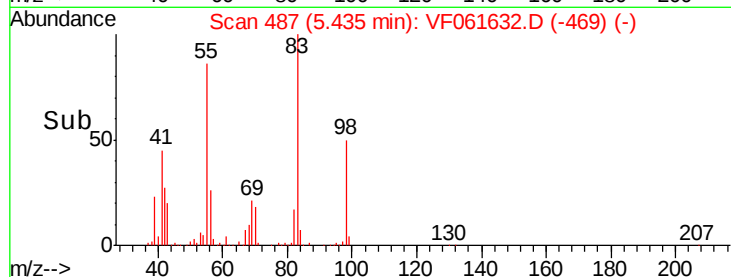
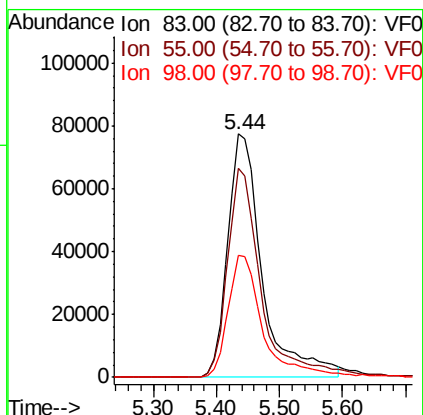
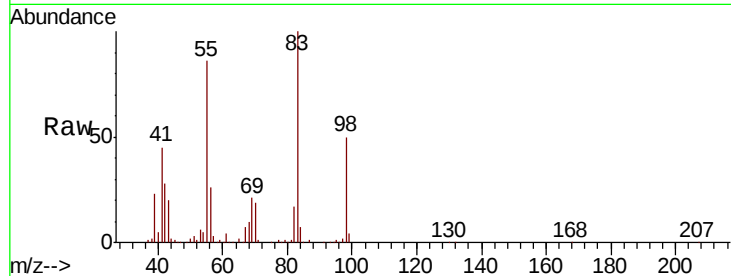




#39
Methylcyclohexane
Concen: 55.146 ug/l
RT: 5.44 min Scan# 487
Delta R.T. -0.02 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

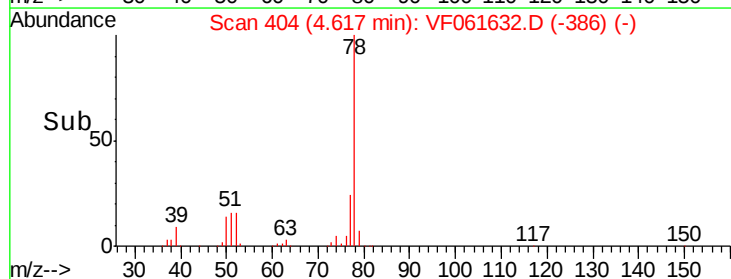
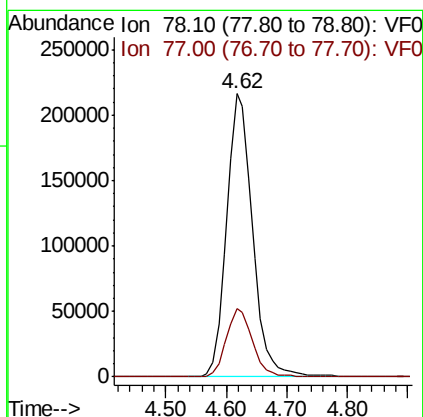
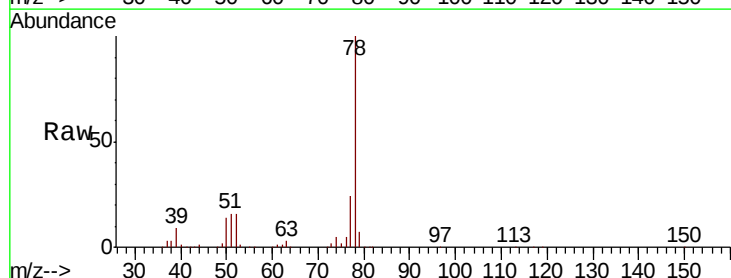
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

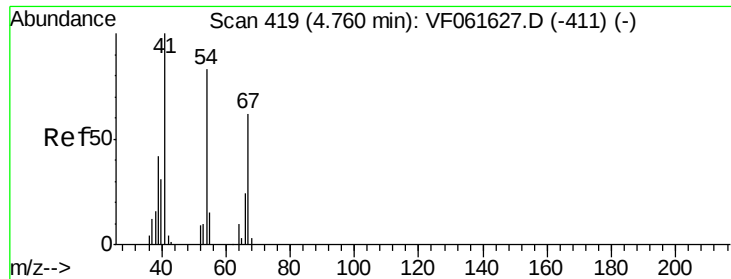
Tgt Ion: 83 Resp: 294229
Ion Ratio Lower Upper
83 100
55 85.7 66.6 99.8
98 50.1 40.4 60.6



#40
Benzene
Concen: 54.487 ug/l
RT: 4.62 min Scan# 404
Delta R.T. -0.02 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion: 78 Resp: 642963
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.6





#41

Methacrylonitrile

Concen: 46.758 ug/l

RT: 4.73 min Scan# 415

Delta R.T. -0.03 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 50106

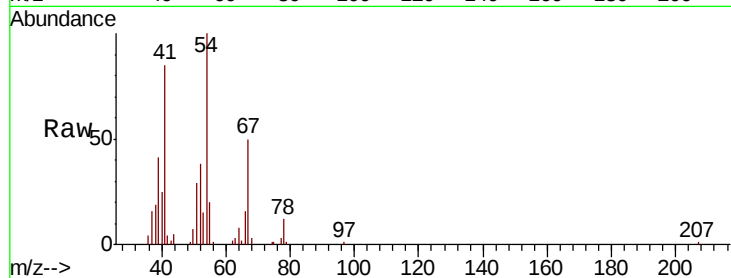
Ion Ratio Lower Upper

41 100

39 48.6 45.3 67.9

67 58.9 49.3 73.9

52 44.4 32.6 49.0



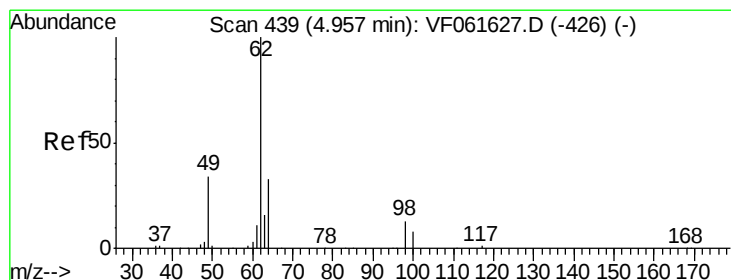
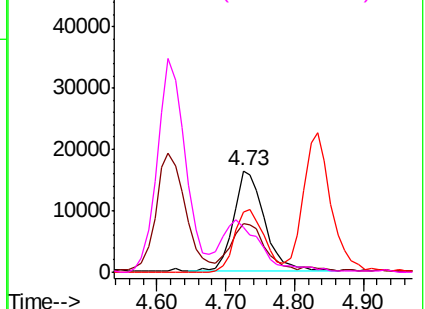
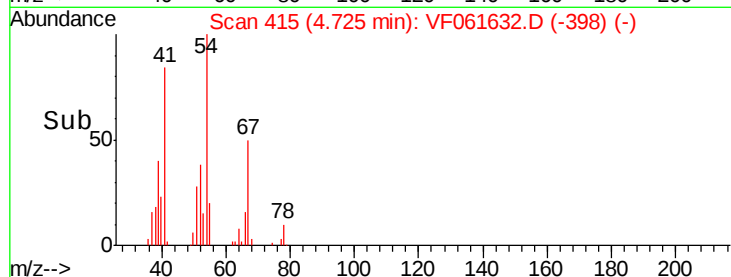
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 50.738 ug/l

RT: 4.93 min Scan# 436

Delta R.T. -0.02 min

Lab File: VF061632.D

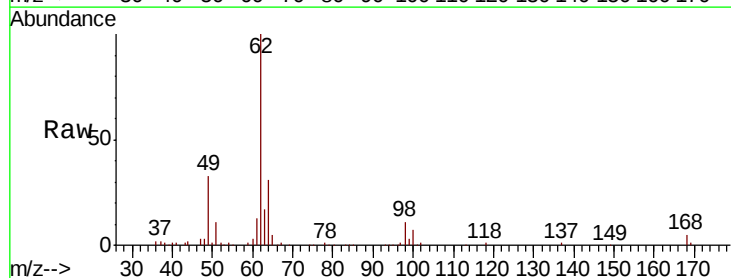
Acq: 14 Feb 2019 10:57

Tgt Ion: 62 Resp: 143217

Ion Ratio Lower Upper

62 100

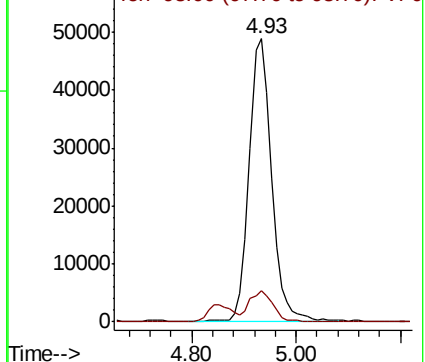
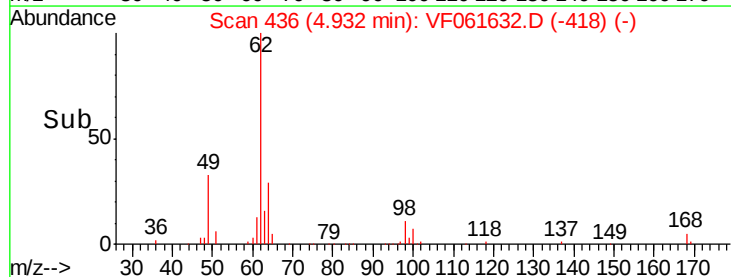
98 10.9 0.0 26.0

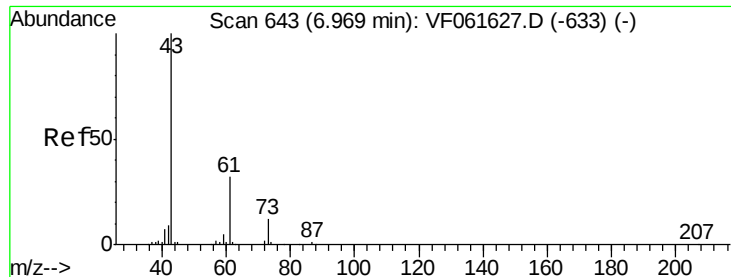


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



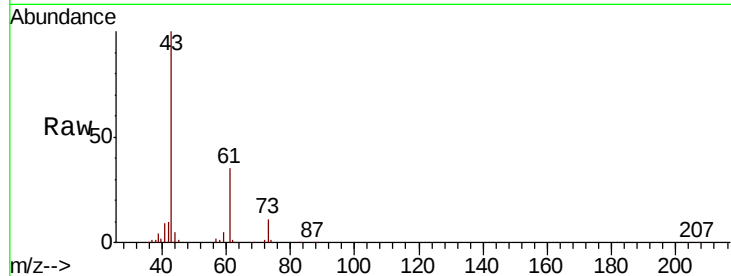


#43

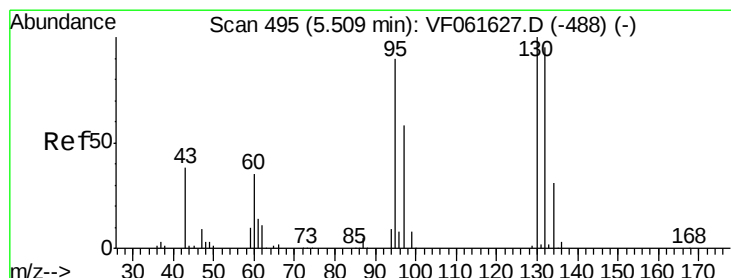
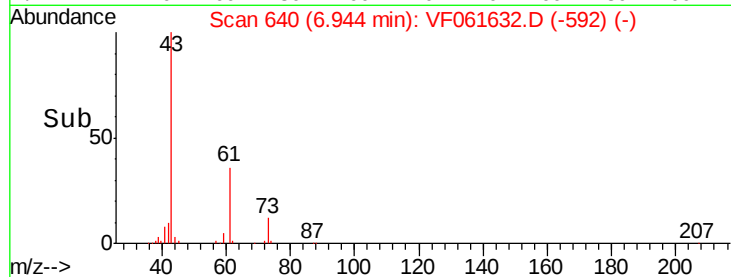
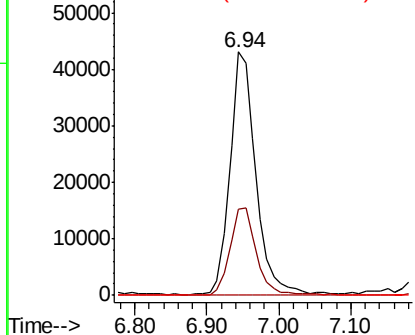
Isopropyl Acetate
 Concen: 43.222 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.02 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 107206
 Ion Ratio Lower Upper
 43 100
 61 35.2 25.8 38.6
 87 0.4 0.4 0.6#



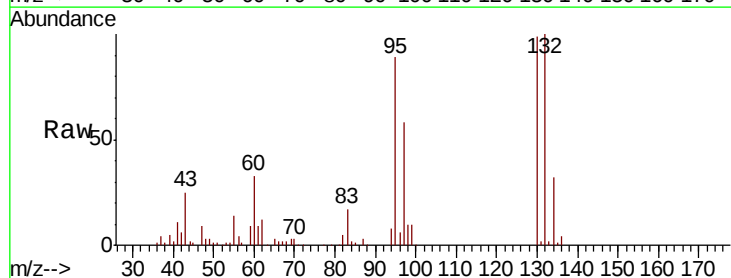
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



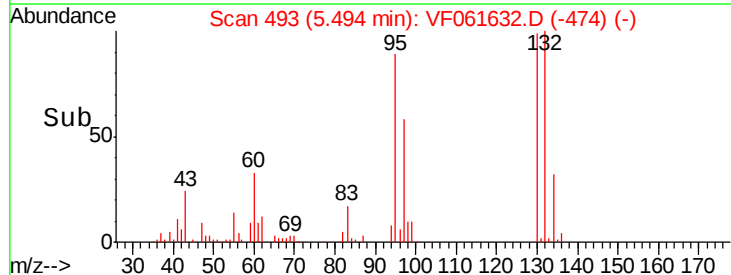
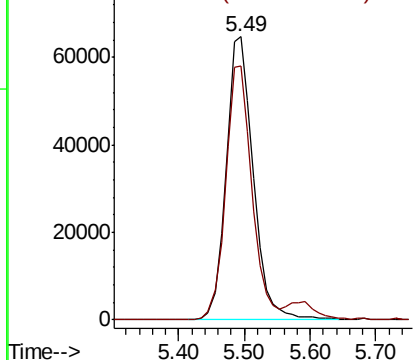
#44

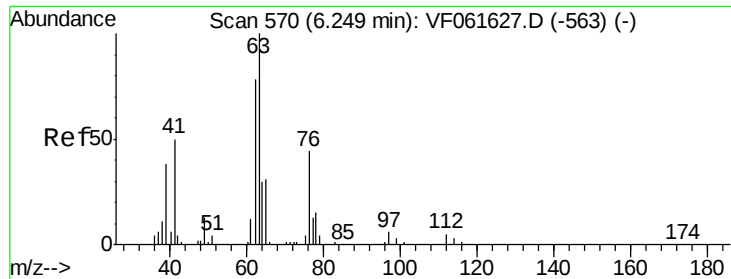
Trichloroethene
 Concen: 48.924 ug/l
 RT: 5.49 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Tgt Ion: 130 Resp: 186690
 Ion Ratio Lower Upper
 130 100
 95 89.7 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: 50.028 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.02 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

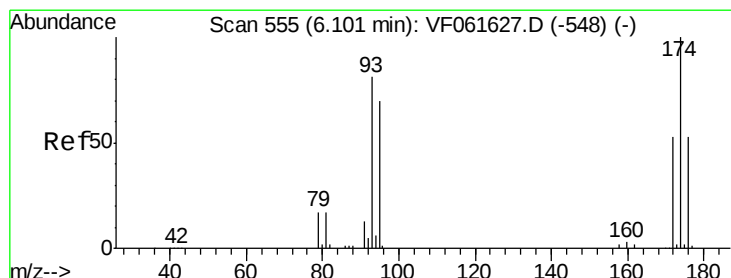
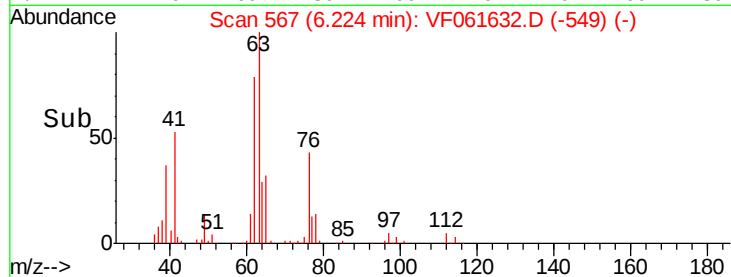
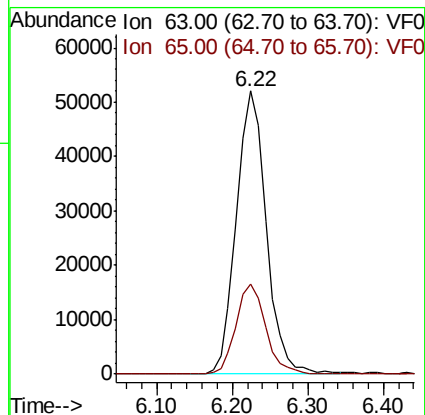
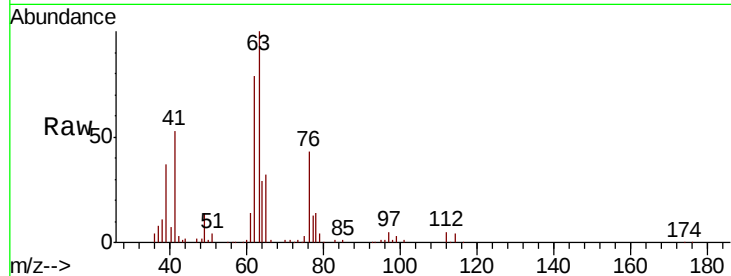
VSTDCCC050

Tgt Ion: 63 Resp: 142698

Ion Ratio Lower Upper

63 100

65 31.8 24.9 37.3



#46

Dibromomethane

Concen: 52.266 ug/l

RT: 6.08 min Scan# 552

Delta R.T. -0.02 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

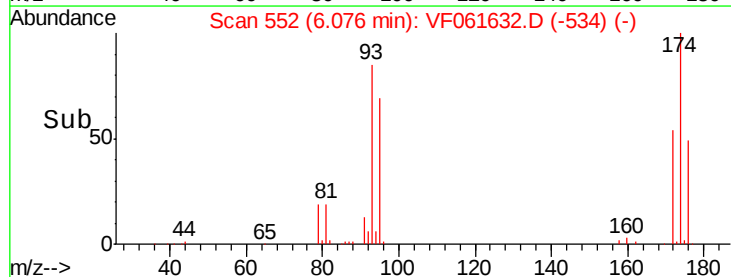
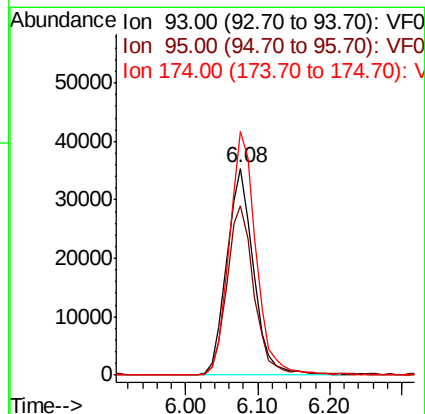
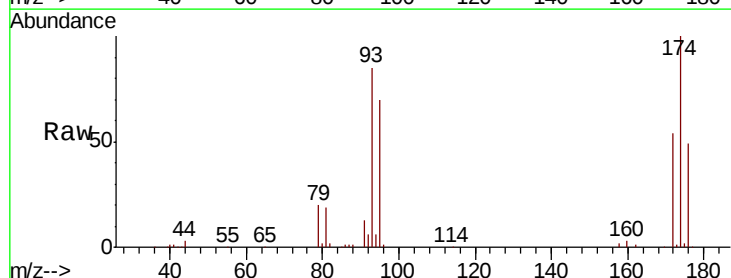
Tgt Ion: 93 Resp: 91790

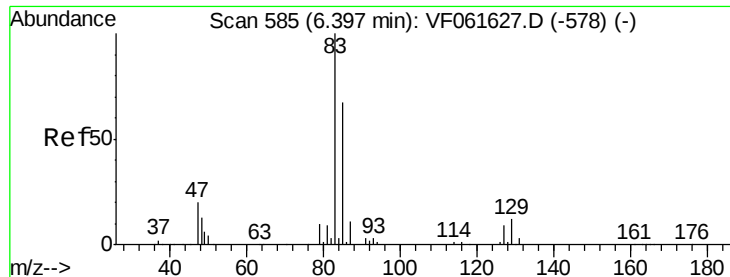
Ion Ratio Lower Upper

93 100

95 81.9 69.0 103.6

174 117.7 99.3 148.9





#47

Bromodichloromethane

Concen: 52.779 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.02 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

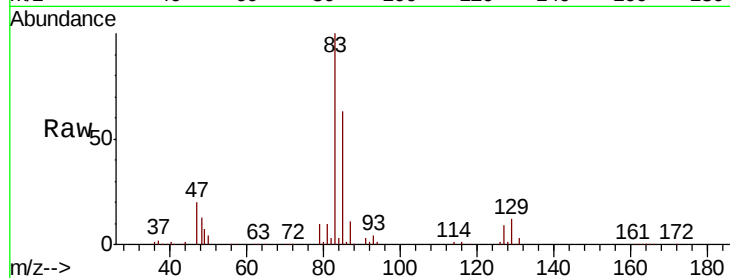
Tgt Ion: 83 Resp: 202980

Ion Ratio Lower Upper

83 100

85 62.6 53.4 80.2

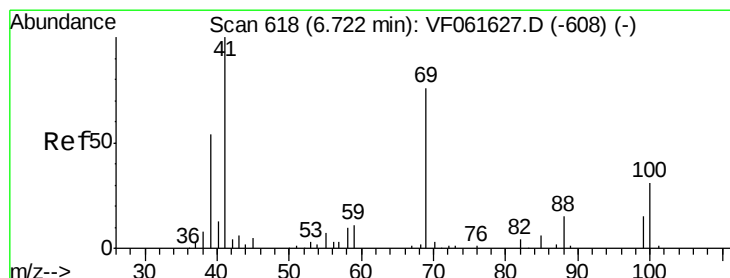
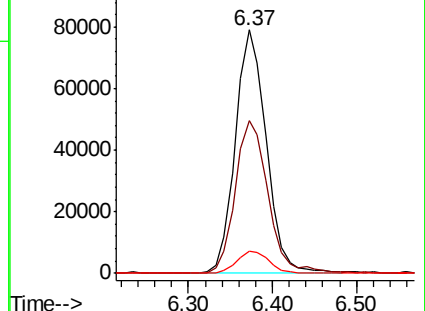
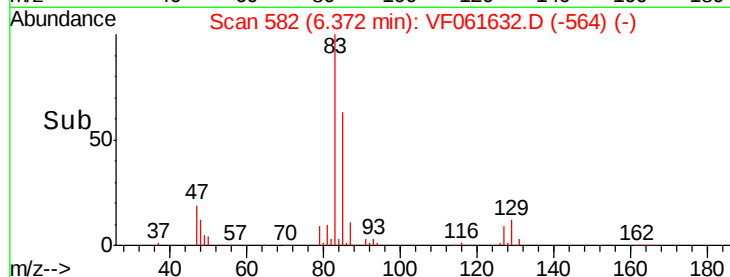
127 9.4 7.5 11.3



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: 47.385 ug/l

RT: 6.71 min Scan# 616

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

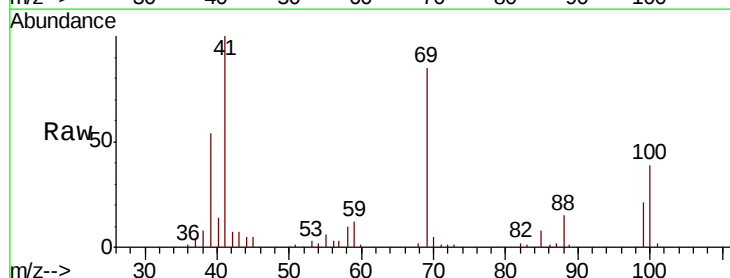
Tgt Ion: 41 Resp: 70729

Ion Ratio Lower Upper

41 100

69 85.1 60.4 90.6

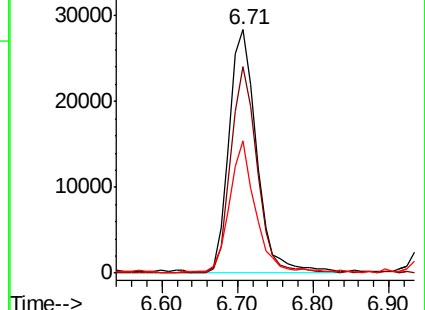
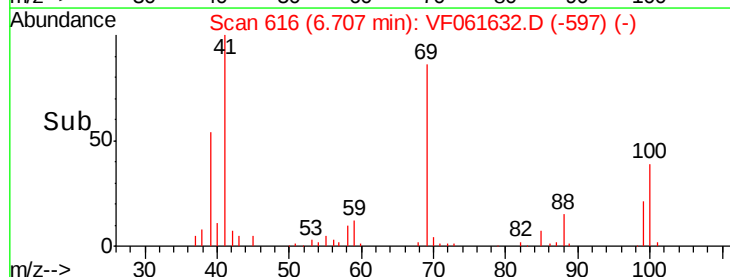
39 54.4 43.7 65.5

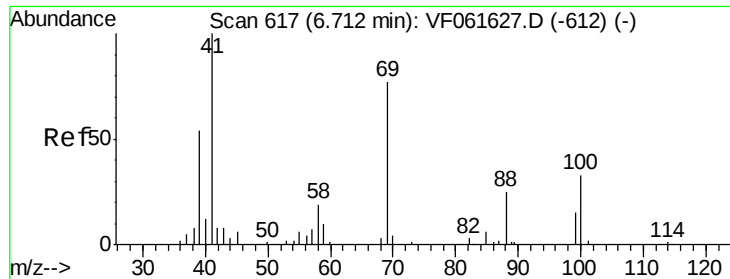


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 996.323 ug/l

RT: 6.69 min Scan# 614

Delta R.T. -0.02 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

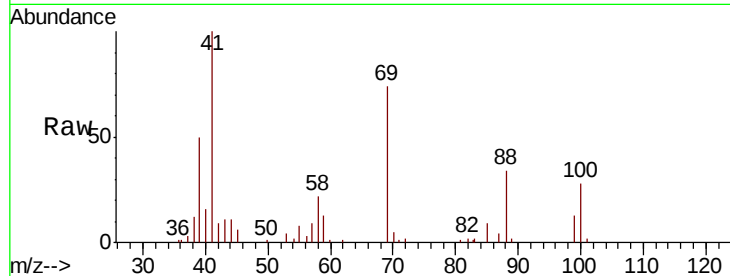
Tgt Ion: 88 Resp: 13980

Ion Ratio Lower Upper

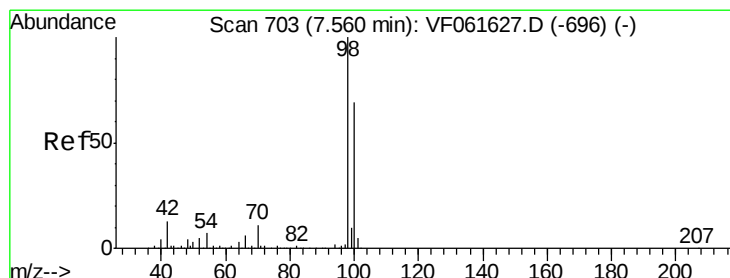
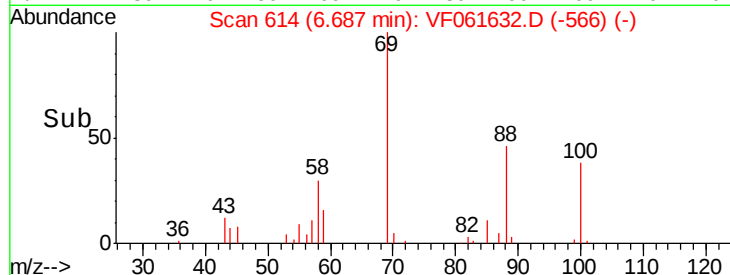
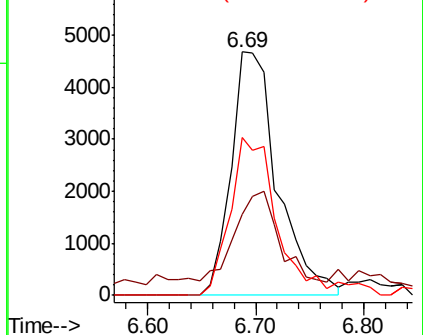
88 100

43 33.1 32.3 48.5

58 64.9 59.4 89.2



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 52.523 ug/l

RT: 7.55 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF061632.D

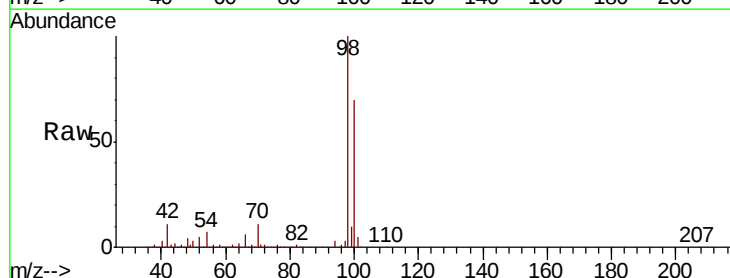
Acq: 14 Feb 2019 10:57

Tgt Ion: 98 Resp: 510626

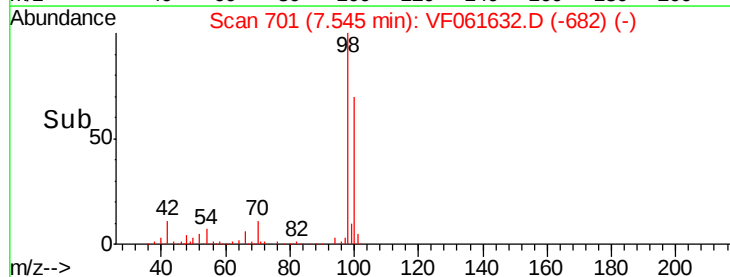
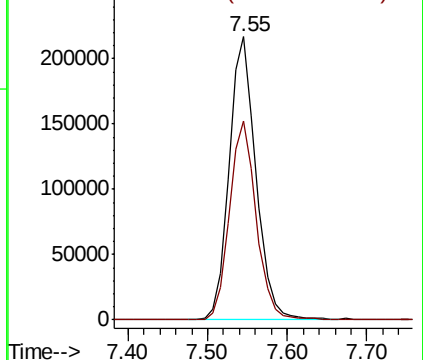
Ion Ratio Lower Upper

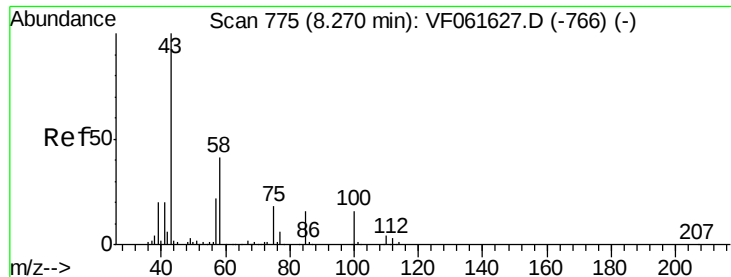
98 100

100 70.4 55.4 83.2



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 220.058 ug/l

RT: 8.25 min Scan# 772

Delta R.T. -0.02 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

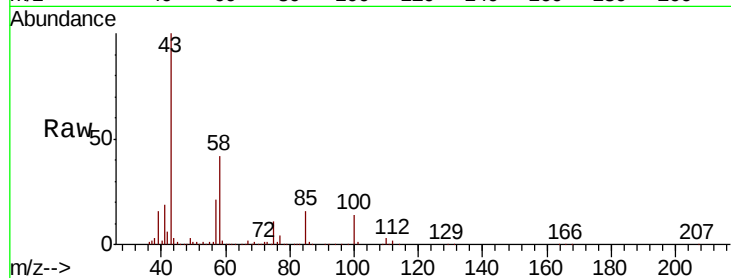
VSTDCCC050

Tgt Ion: 43 Resp: 390005

Ion Ratio Lower Upper

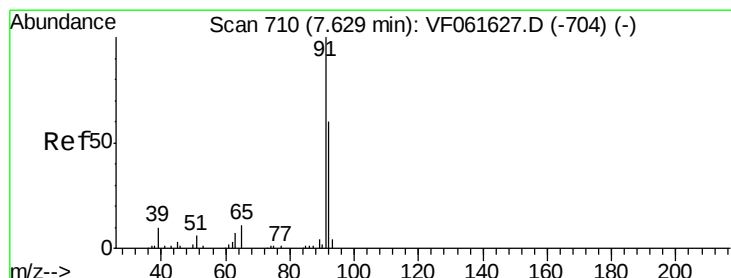
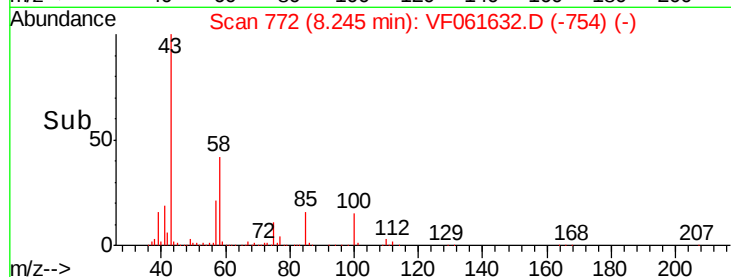
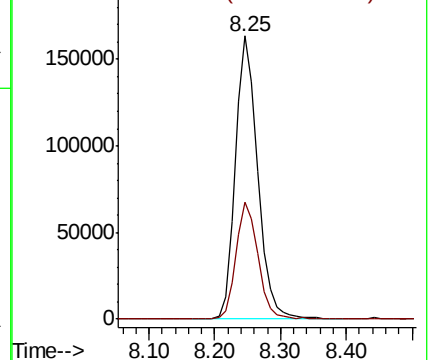
43 100

58 41.5 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: 49.748 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.01 min

Lab File: VF061632.D

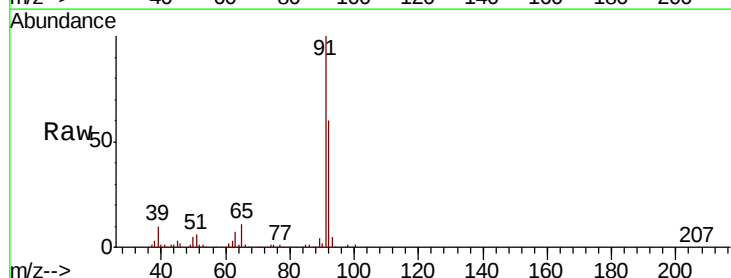
Acq: 14 Feb 2019 10:57

Tgt Ion: 92 Resp: 356031

Ion Ratio Lower Upper

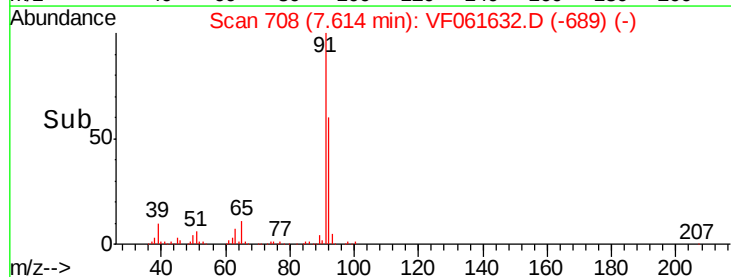
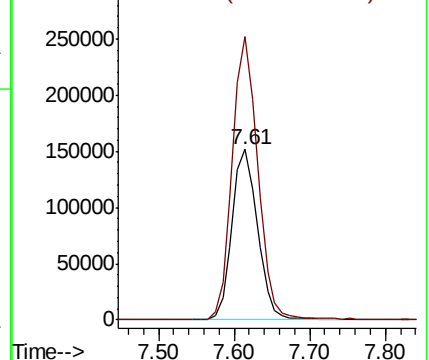
92 100

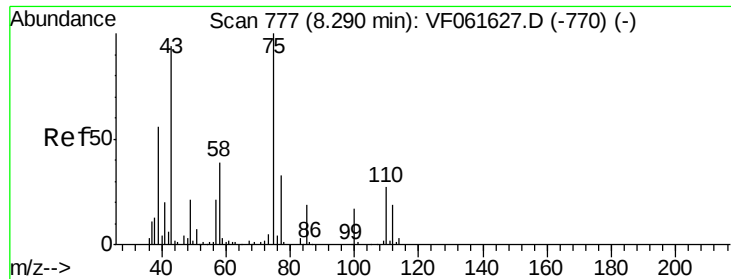
91 166.2 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

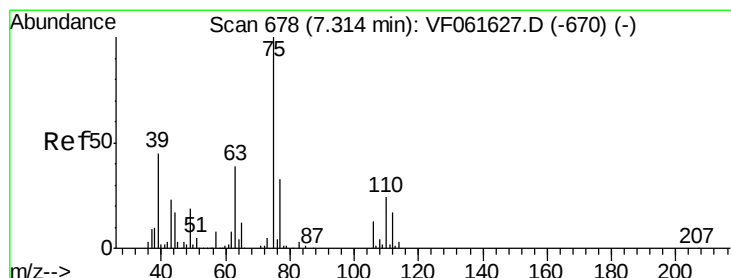
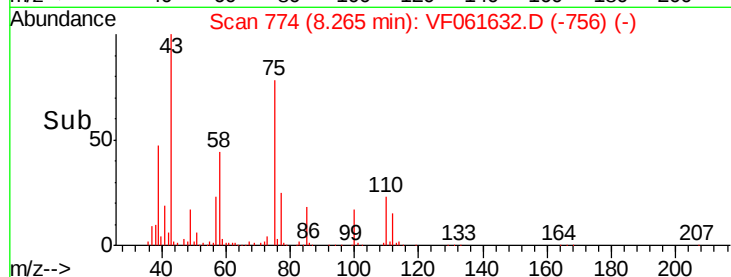
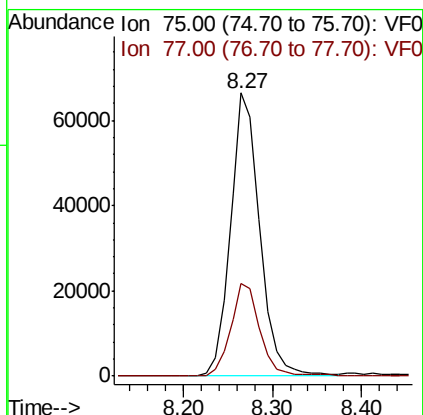
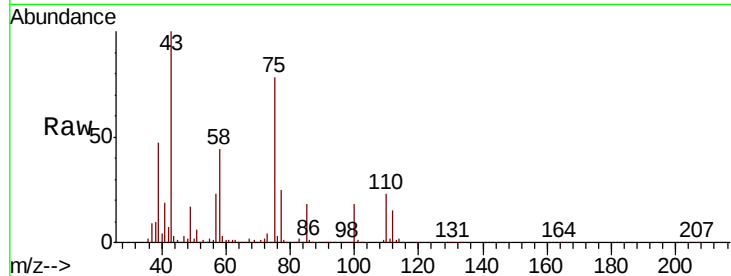




#53
 t-1,3-Dichloropropene
 Concen: 47.708 ug/l
 RT: 8.27 min Scan# 774
 Delta R.T. -0.02 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

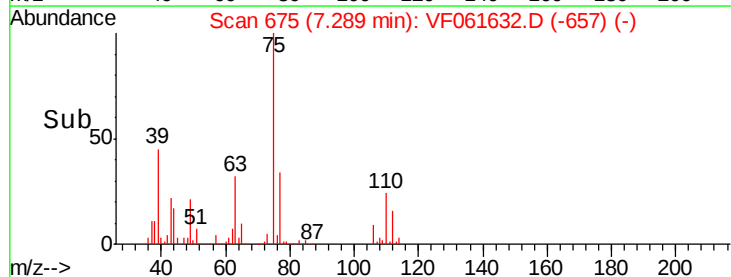
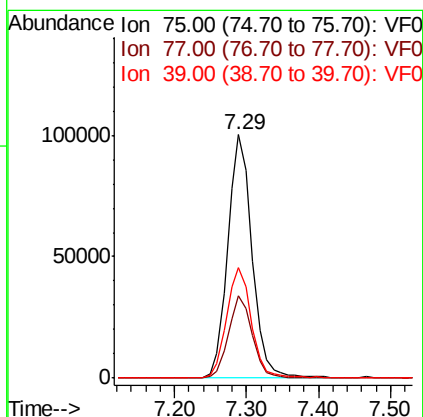
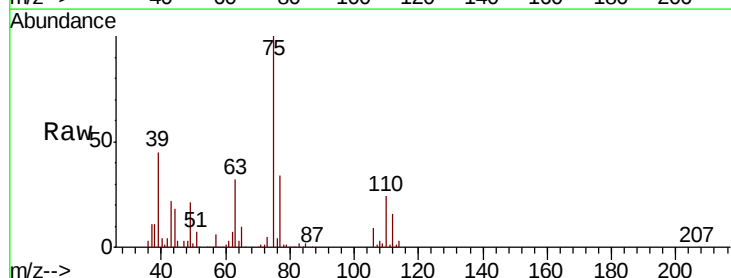
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

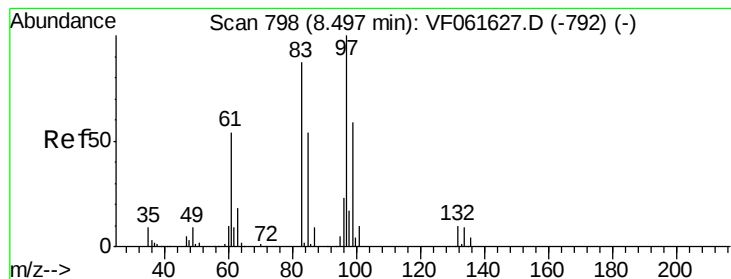
Tgt Ion: 75 Resp: 152705
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 55.306 ug/l
 RT: 7.29 min Scan# 675
 Delta R.T. -0.02 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Tgt Ion: 75 Resp: 235792
 Ion Ratio Lower Upper
 75 100
 77 34.0 26.4 39.6
 39 45.5 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 50.013 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 105162

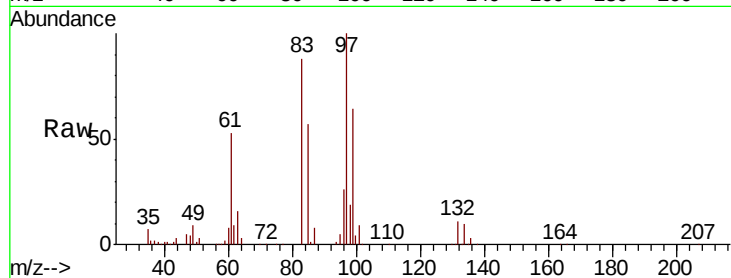
Ion Ratio Lower Upper

97 100

83 88.1 69.2 103.8

85 57.1 43.0 64.4

99 64.4 47.2 70.8

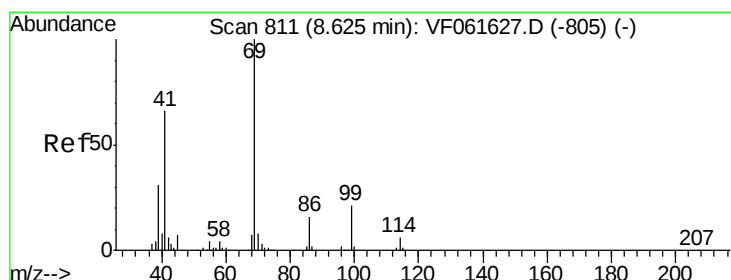
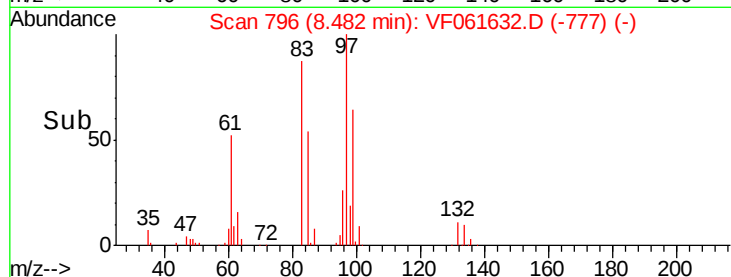
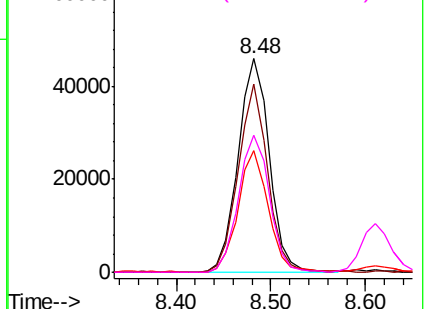


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 46.777 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

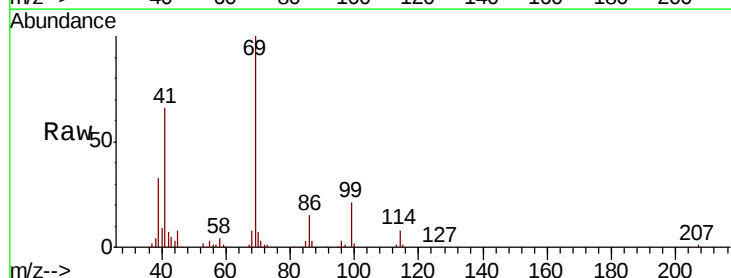
Tgt Ion: 69 Resp: 109508

Ion Ratio Lower Upper

69 100

41 66.2 52.9 79.3

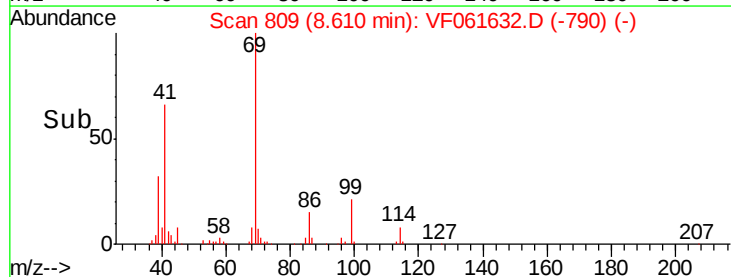
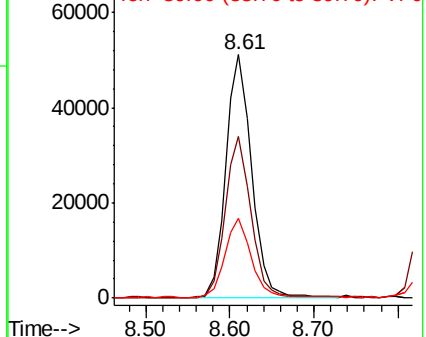
39 32.9 24.5 36.7

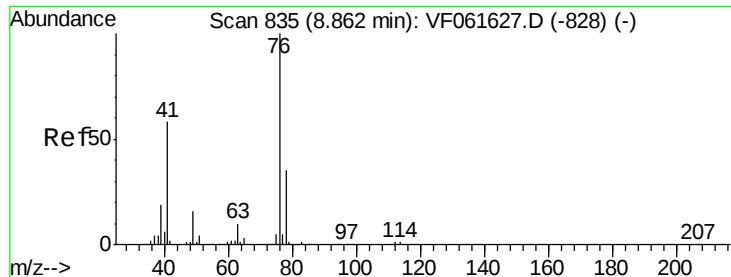


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 45.955 ug/l

RT: 8.85 min Scan# 833

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

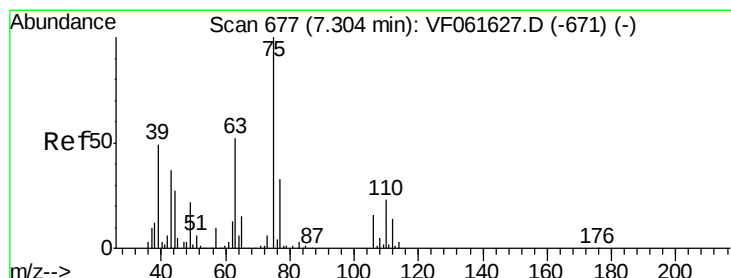
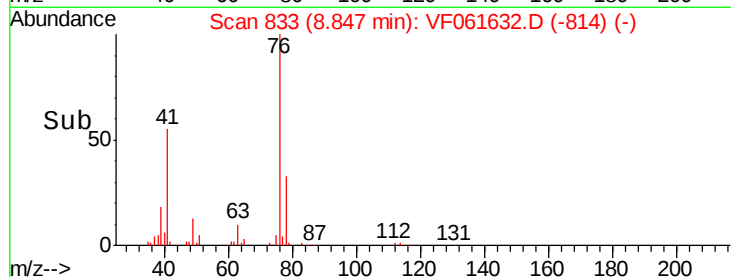
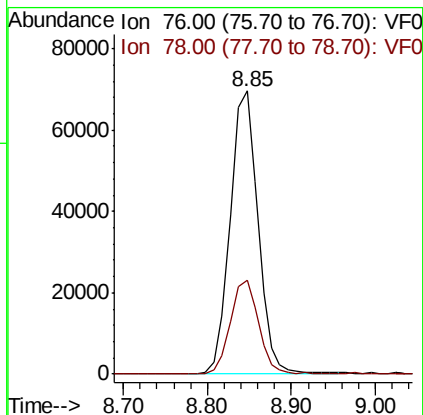
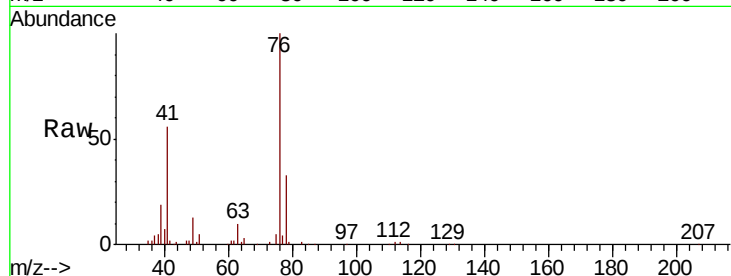
VSTDCCC050

Tgt Ion: 76 Resp: 161289

Ion Ratio Lower Upper

76 100

78 33.0 27.8 41.6



#58

2-Chloroethyl Vinyl ether

Concen: 185.156 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.01 min

Lab File: VF061632.D

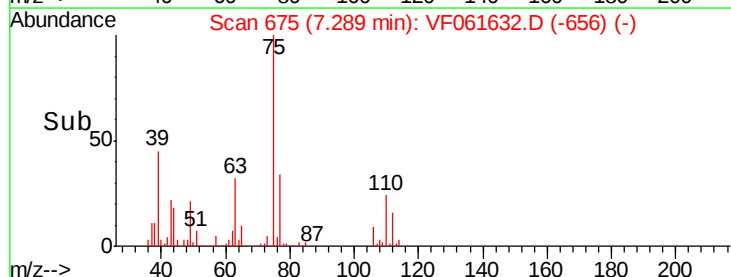
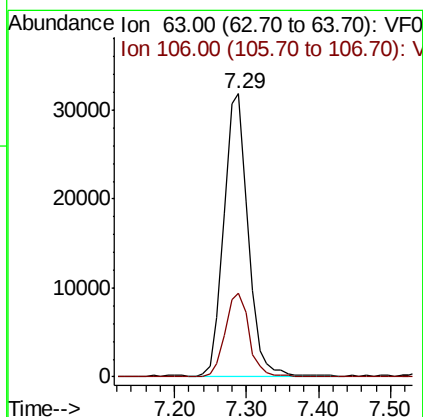
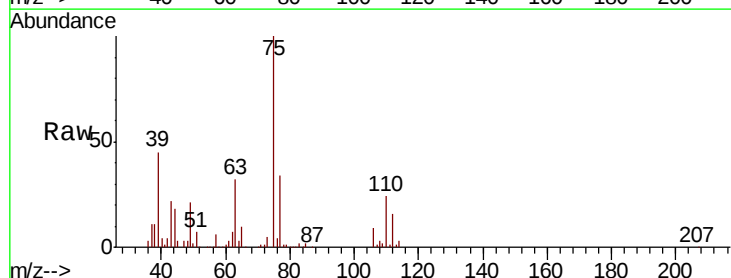
Acq: 14 Feb 2019 10:57

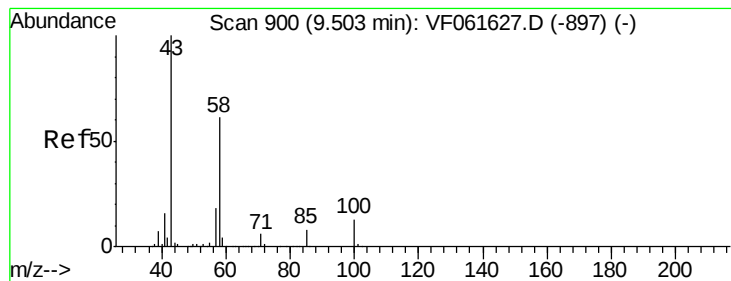
Tgt Ion: 63 Resp: 74788

Ion Ratio Lower Upper

63 100

106 29.7 24.6 36.8





#59

2-Hexanone

Concen: 234.697 ug/l

RT: 9.48 min Scan# 897

Delta R.T. -0.02 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

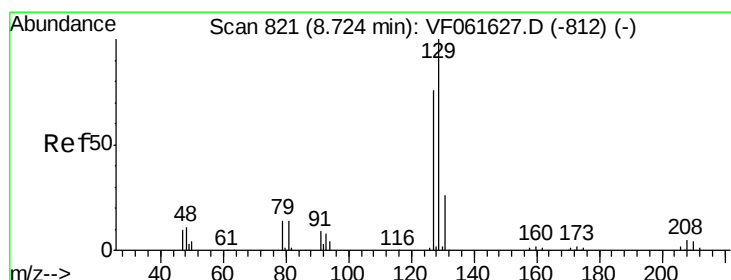
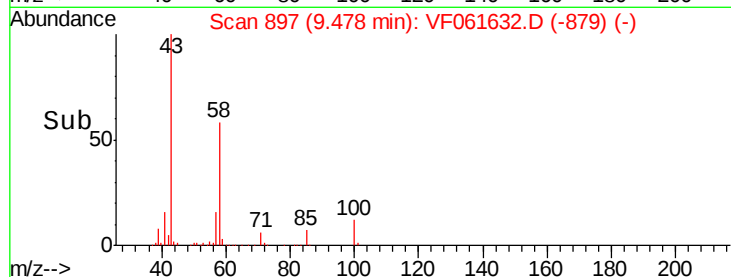
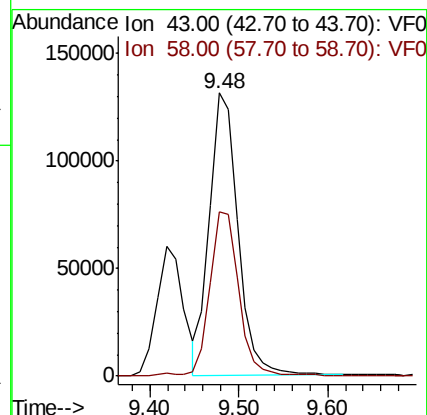
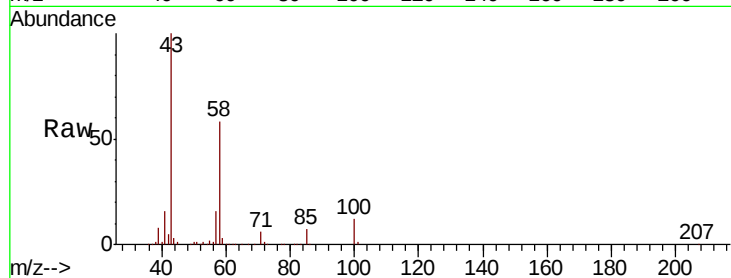
VSTDCCC050

Tgt Ion: 43 Resp: 291569

Ion Ratio Lower Upper

43 100

58 58.2 28.5 85.5



#60

Dibromochloromethane

Concen: 49.676 ug/l

RT: 8.71 min Scan# 819

Delta R.T. -0.01 min

Lab File: VF061632.D

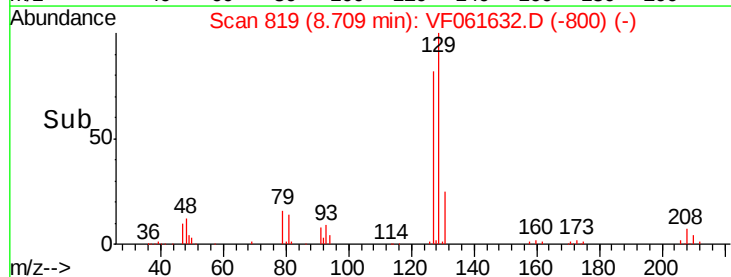
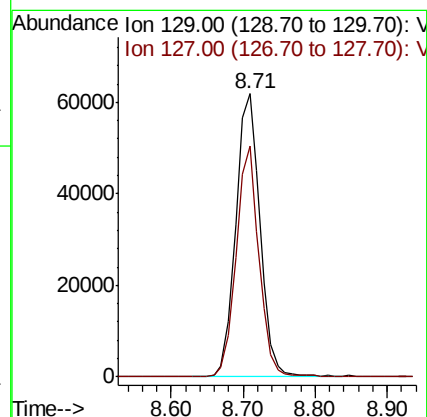
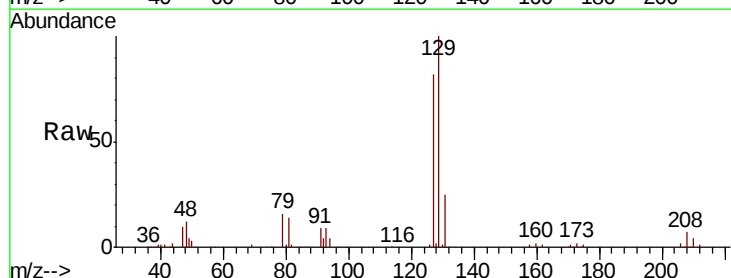
Acq: 14 Feb 2019 10:57

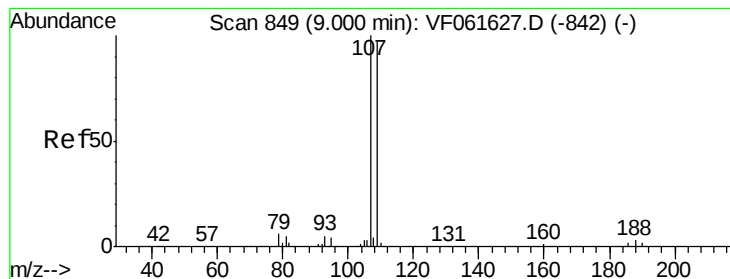
Tgt Ion: 129 Resp: 145388

Ion Ratio Lower Upper

129 100

127 81.7 37.8 113.4





#61

1,2-Dibromoethane

Concen: 47.654 ug/l

RT: 8.98 min Scan# 846

Delta R.T. -0.02 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

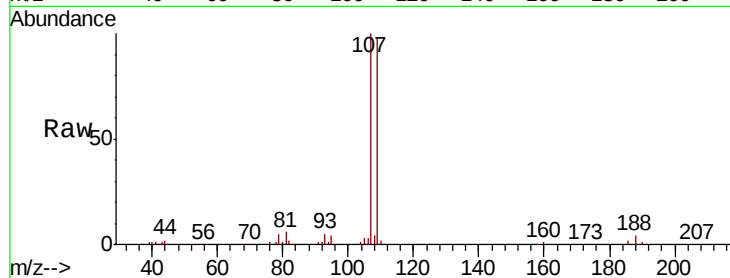
VSTDCCC050

Tgt Ion: 107 Resp: 108683

Ion Ratio Lower Upper

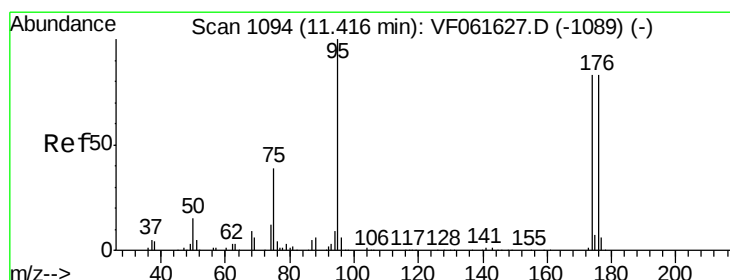
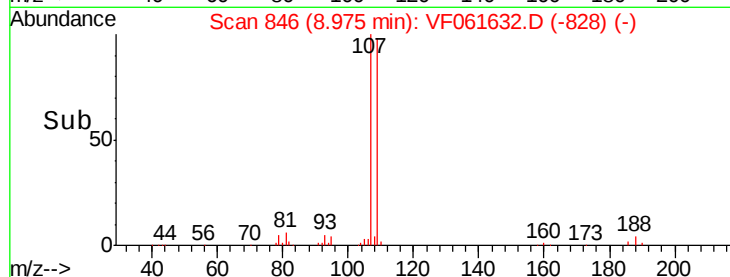
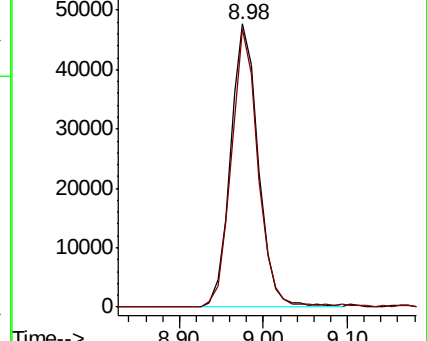
107 100

109 98.5 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 49.751 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

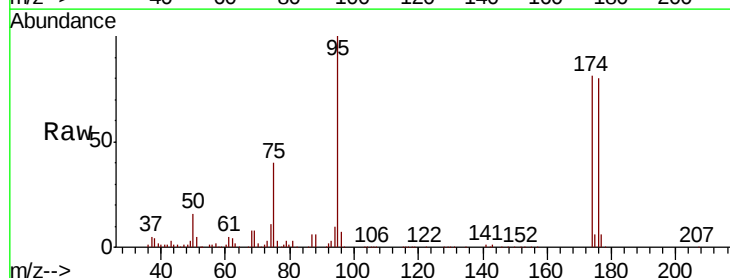
Tgt Ion: 95 Resp: 195707

Ion Ratio Lower Upper

95 100

174 80.9 0.0 165.8

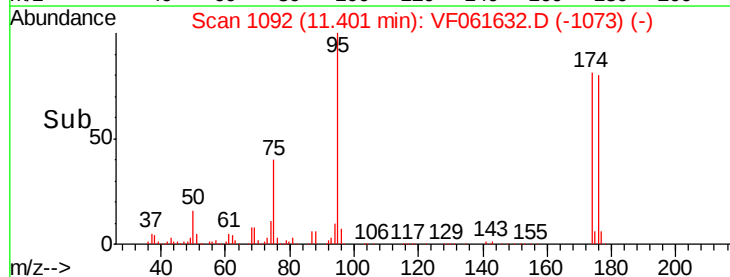
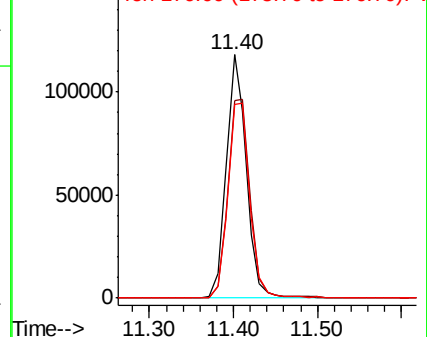
176 79.6 0.0 167.0

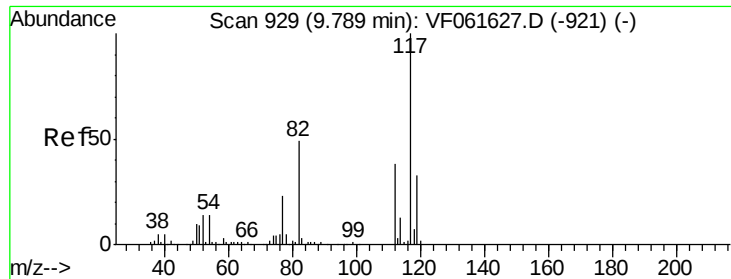


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

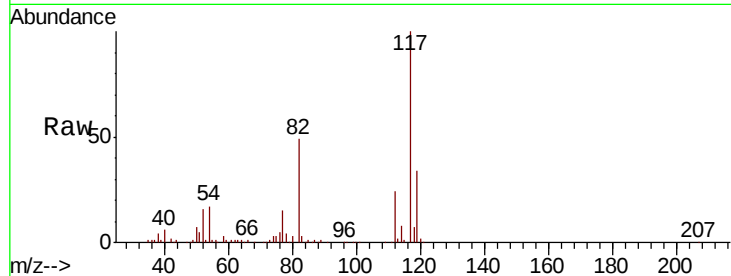




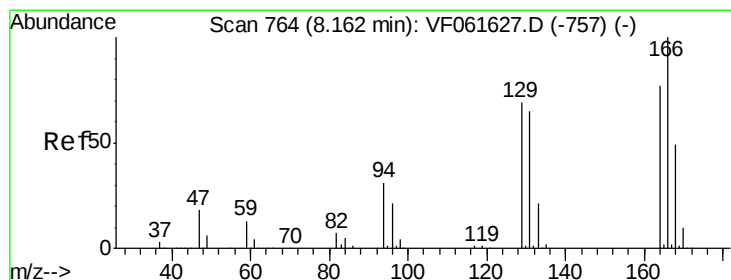
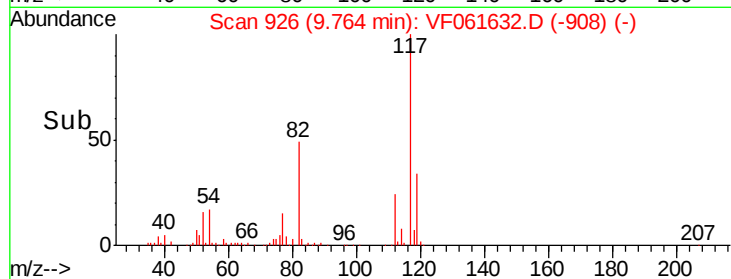
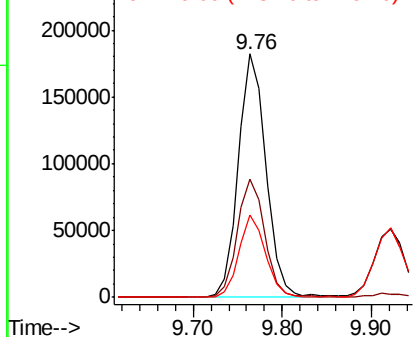
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 394392
Ion Ratio Lower Upper
117 100
82 48.6 39.3 58.9
119 33.6 26.6 40.0

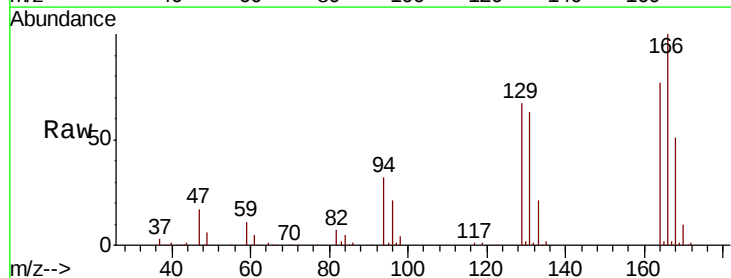


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

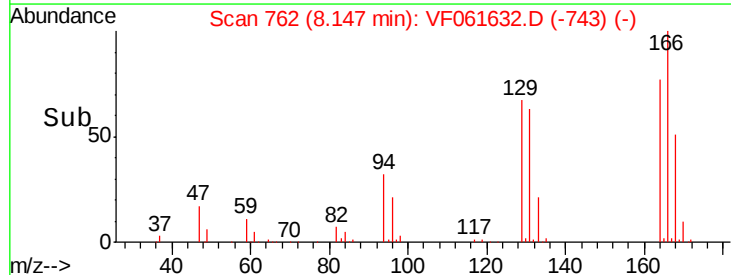
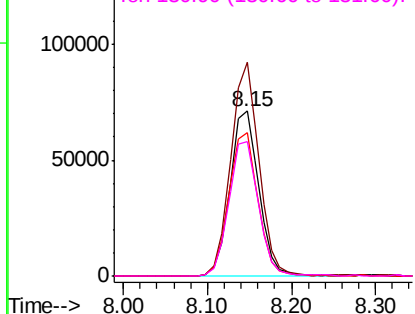


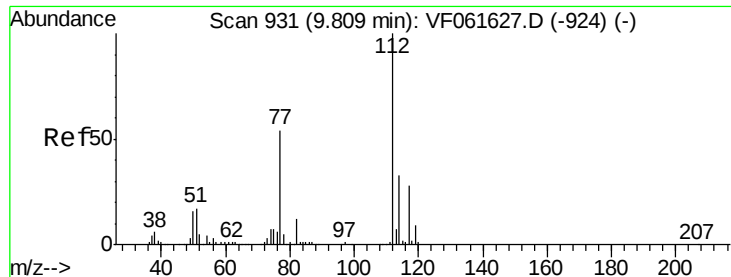
#64
Tetrachloroethene
Concen: 52.396 ug/l
RT: 8.15 min Scan# 762
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion:164 Resp: 168910
Ion Ratio Lower Upper
164 100
166 129.6 103.9 155.9
129 86.8 71.3 106.9
131 81.8 67.1 100.7



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

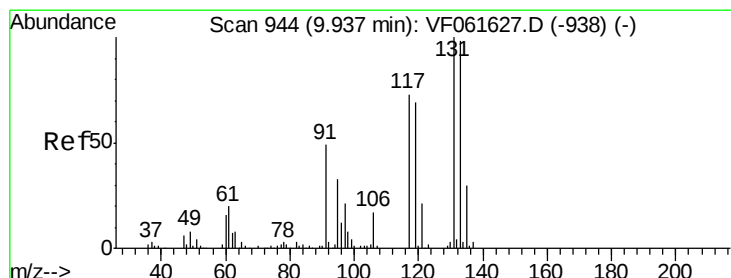
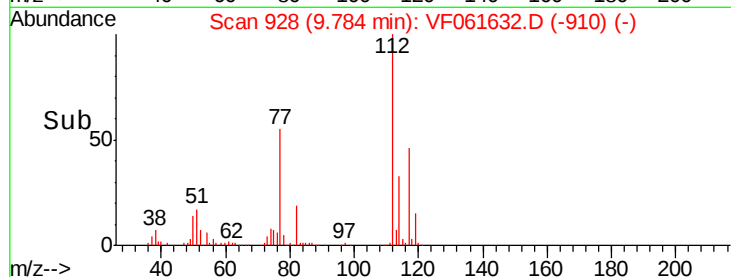
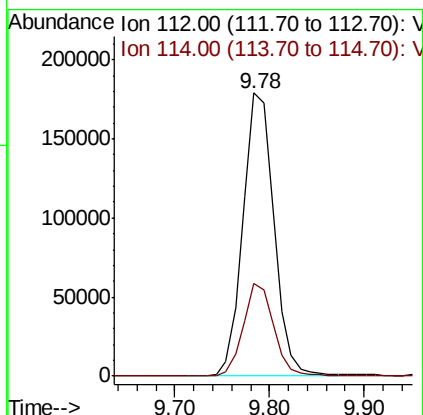
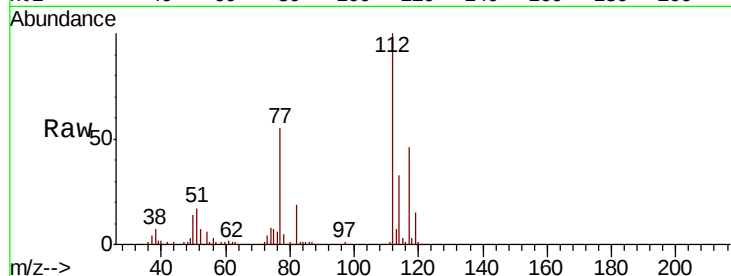




#65
Chlorobenzene
Concen: 51.016 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.02 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

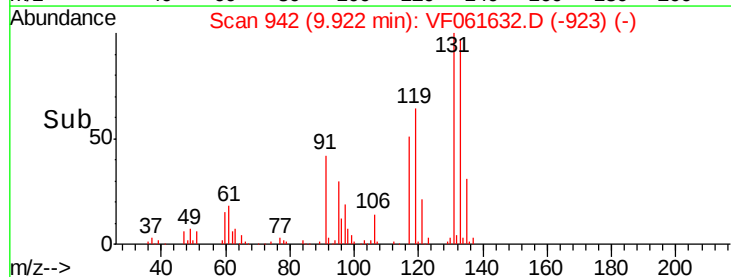
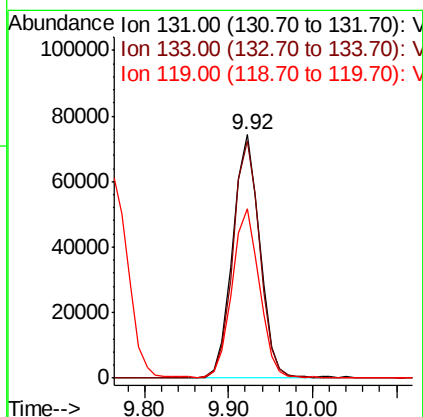
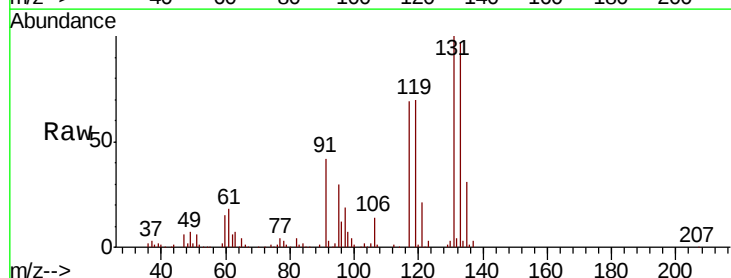
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

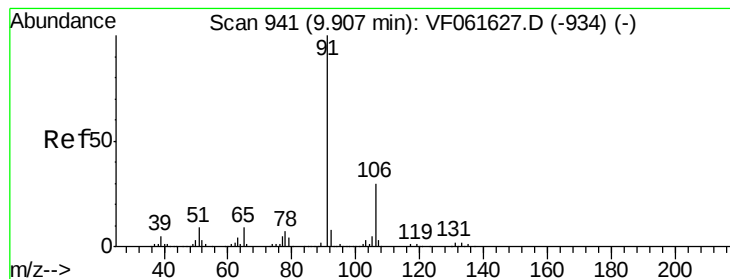
Tgt Ion:112 Resp: 408290
Ion Ratio Lower Upper
112 100
114 32.9 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 53.170 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion:131 Resp: 166741
Ion Ratio Lower Upper
131 100
133 97.2 48.9 146.6
119 69.6 34.8 104.3





#67

Ethyl Benzene

Concen: 51.513 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

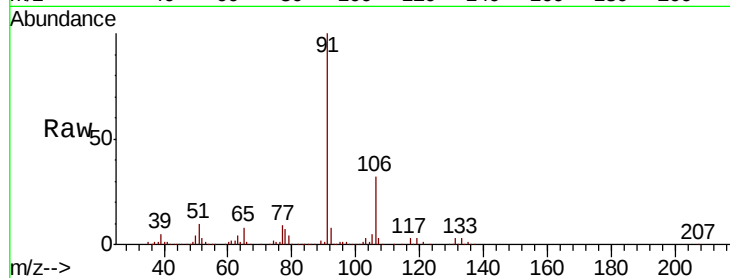
VSTDCCC050

Tgt Ion: 91 Resp: 685588

Ion Ratio Lower Upper

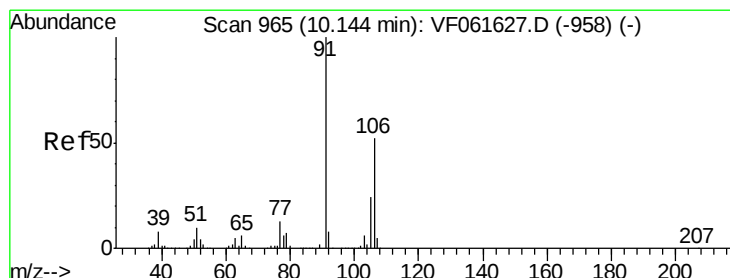
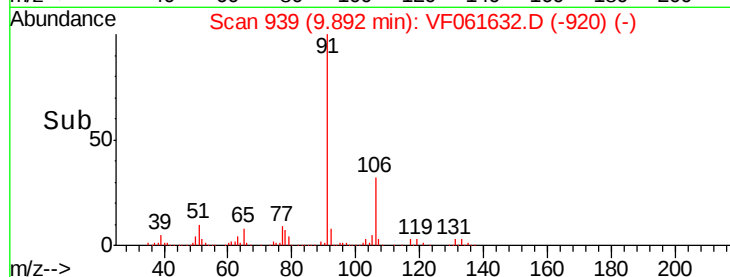
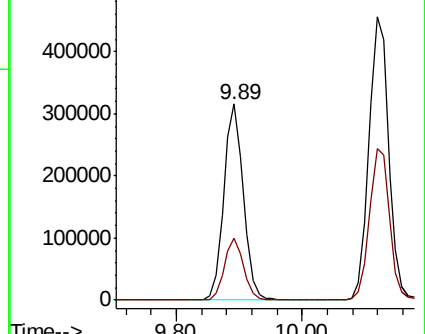
91 100

106 31.7 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 104.981 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.02 min

Lab File: VF061632.D

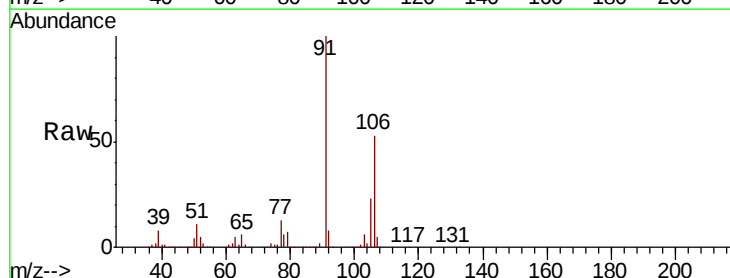
Acq: 14 Feb 2019 10:57

Tgt Ion: 106 Resp: 534729

Ion Ratio Lower Upper

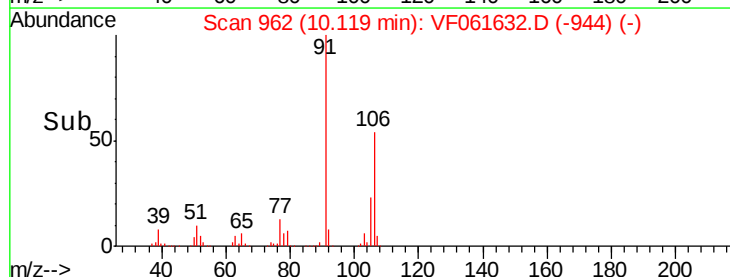
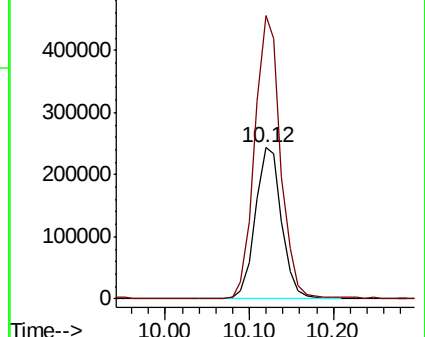
106 100

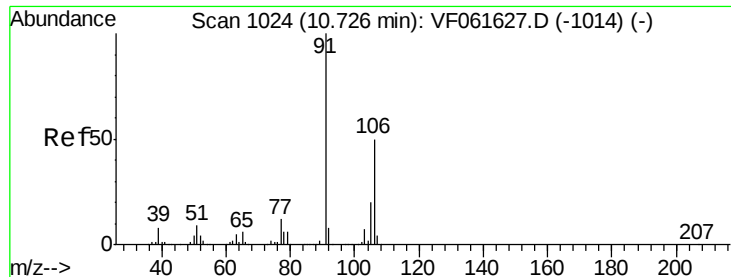
91 187.0 153.0 229.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

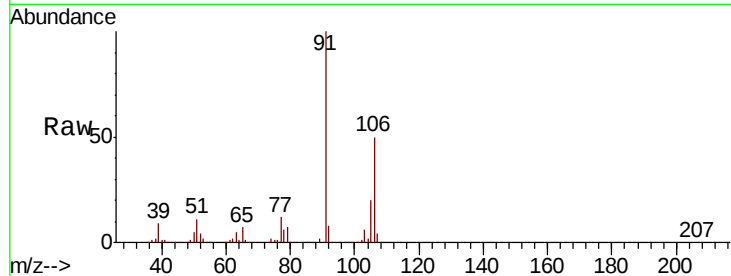




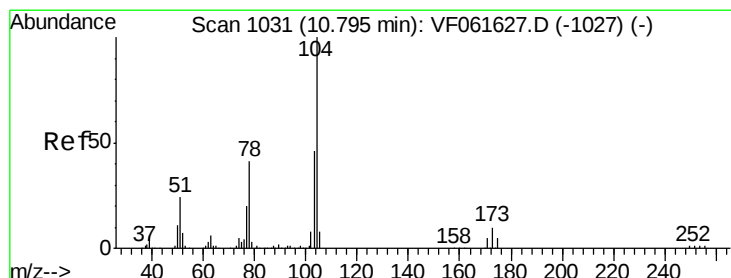
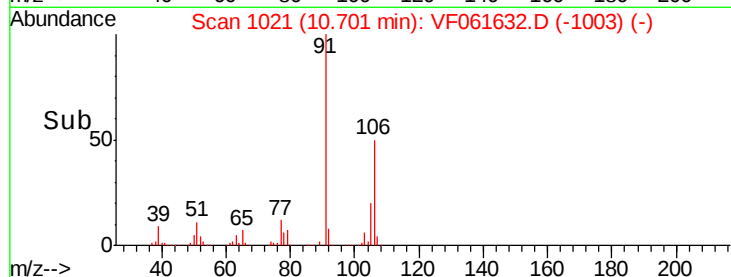
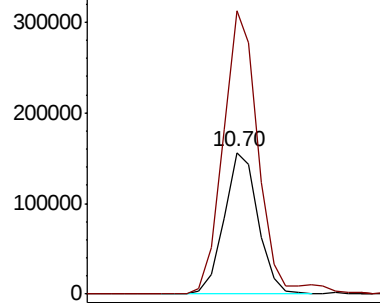
#69
o-Xylene
Concen: 53.718 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 291961
Ion Ratio Lower Upper
106 100
91 199.8 100.1 300.1

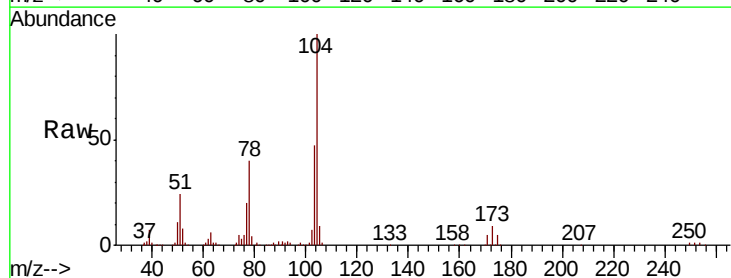


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

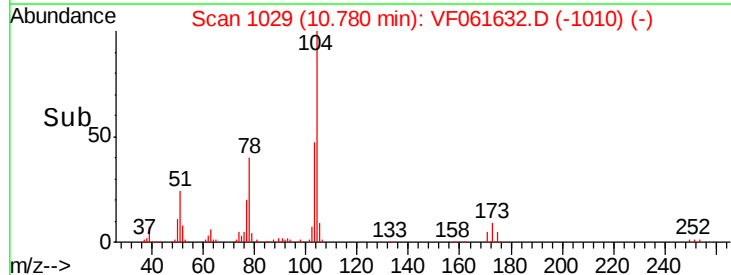
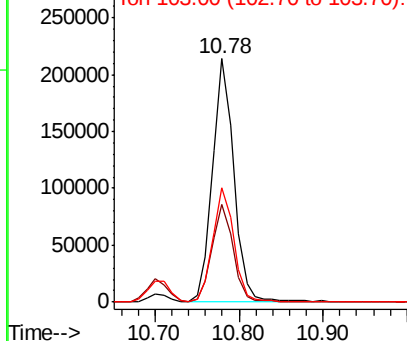


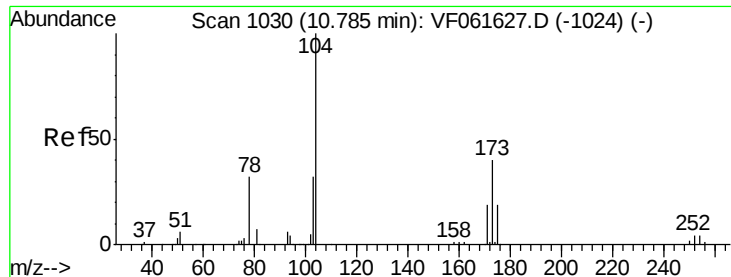
#70
Styrene
Concen: 48.935 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion:104 Resp: 376260
Ion Ratio Lower Upper
104 100
78 40.2 33.2 49.8
103 46.9 37.2 55.8



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





#71

Bromoform

Concen: 47.196 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.02 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

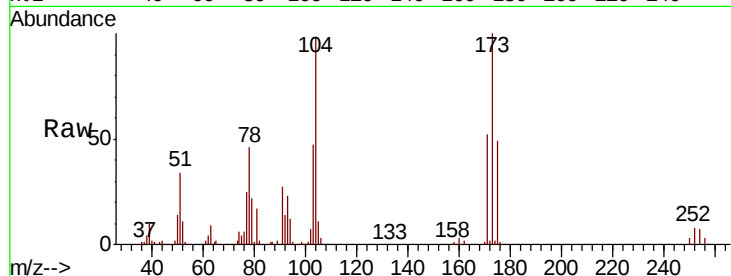
Tgt Ion:173 Resp: 80371

Ion Ratio Lower Upper

173 100

175 48.6 24.0 72.0

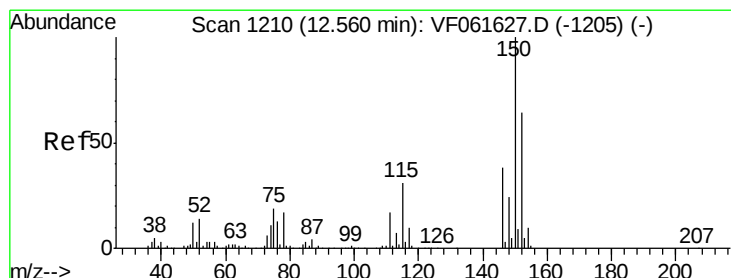
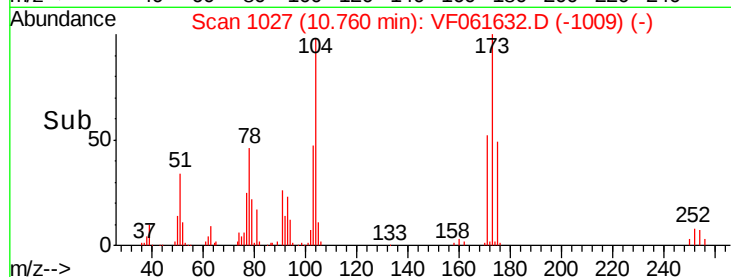
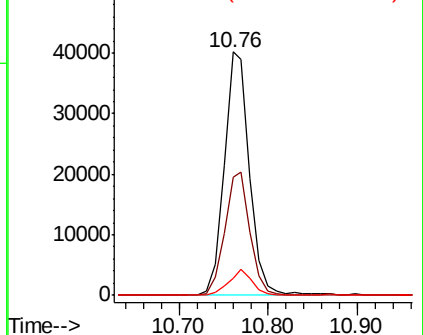
254 7.2 8.2 12.2#



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# 1208

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

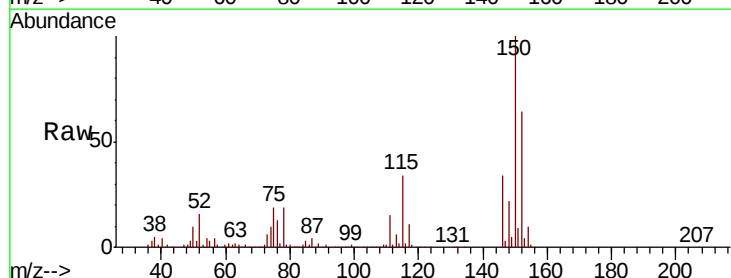
Tgt Ion:152 Resp: 201998

Ion Ratio Lower Upper

152 100

115 52.7 24.3 72.8

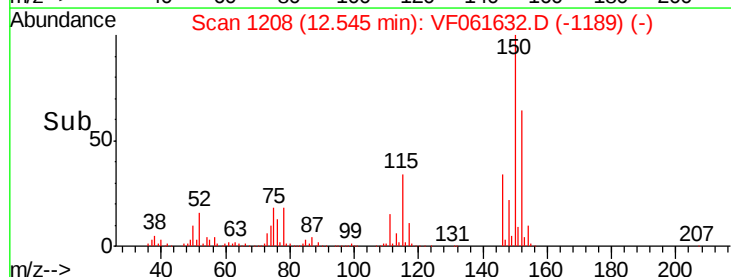
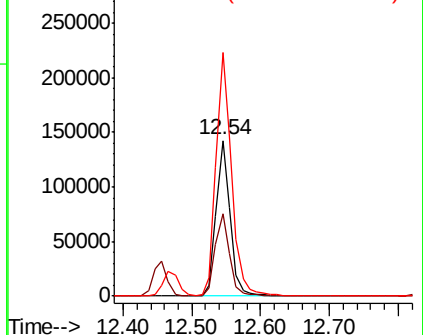
150 156.6 0.0 312.0

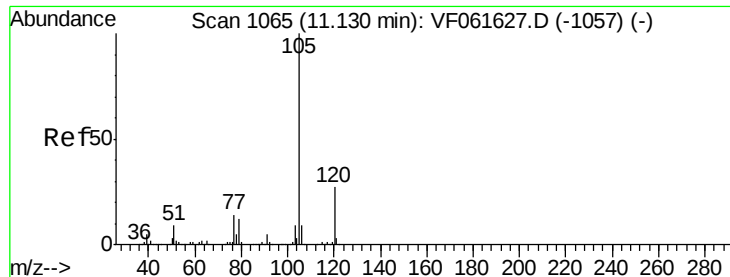


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 57.270 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

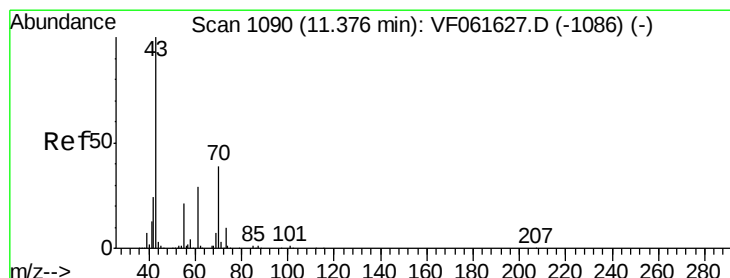
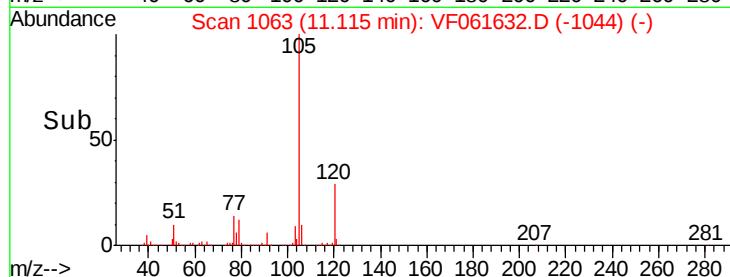
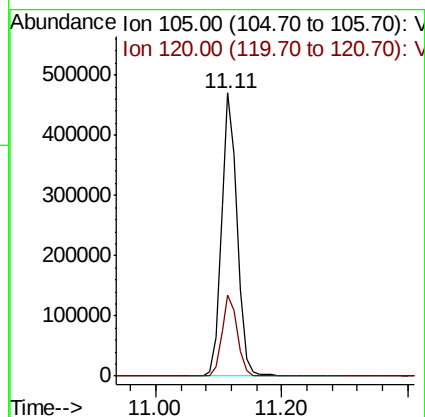
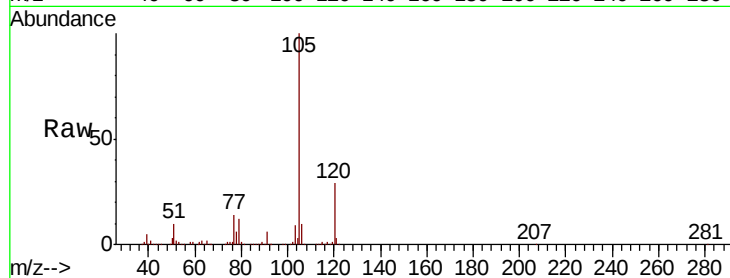
VSTDCCC050

Tgt Ion:105 Resp: 823646

Ion Ratio Lower Upper

105 100

120 28.6 13.4 40.1



#74

N-ethyl acetate

Concen: 51.301 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Tgt Ion: 43 Resp: 177090

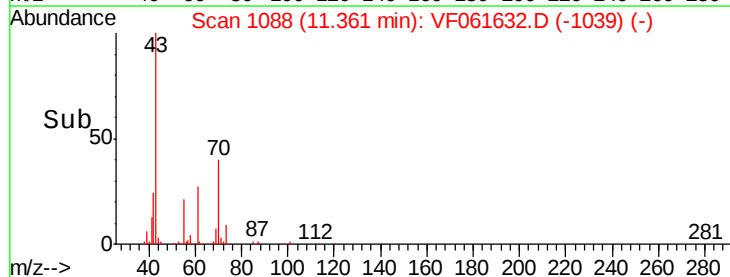
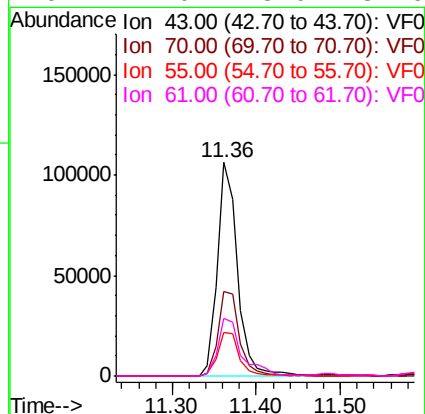
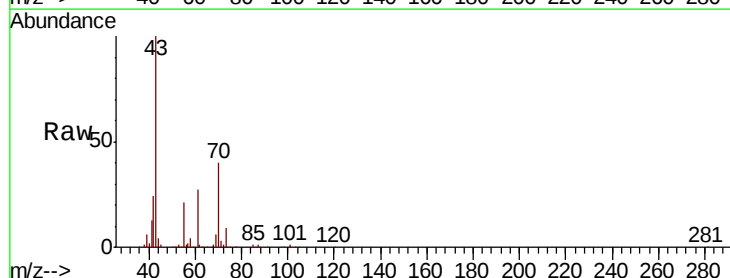
Ion Ratio Lower Upper

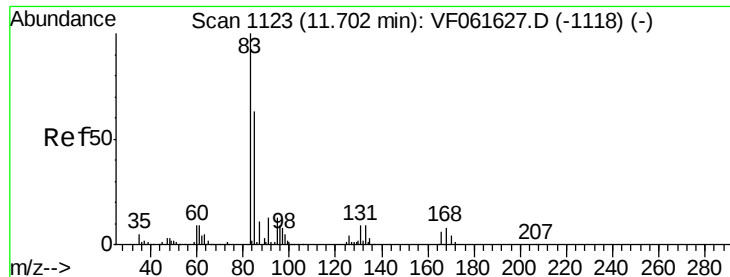
43 100

70 39.7 31.5 47.3

55 20.5 16.7 25.1

61 27.0 23.0 34.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.303 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

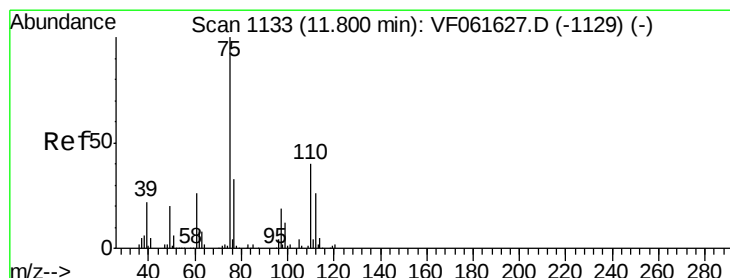
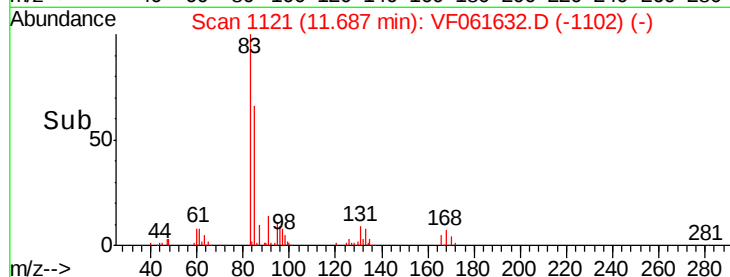
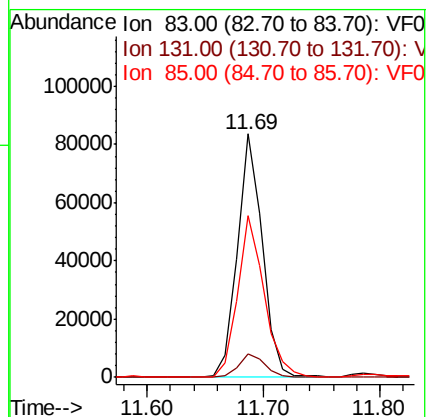
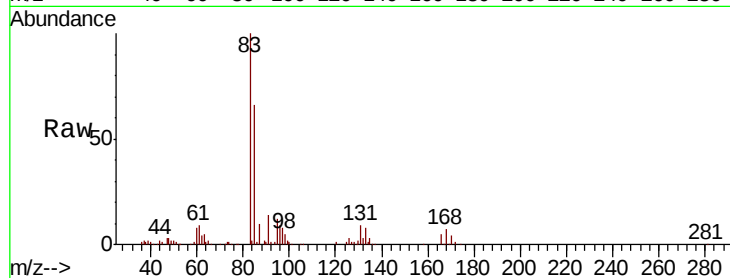
Tgt Ion: 83 Resp: 124457

Ion Ratio Lower Upper

83 100

131 9.4 4.4 13.2

85 66.5 31.5 94.5



#76

1,2,3-Trichloropropane

Concen: 47.248 ug/l

RT: 11.79 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF061632.D

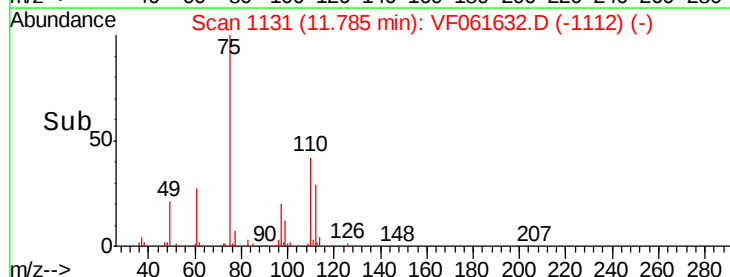
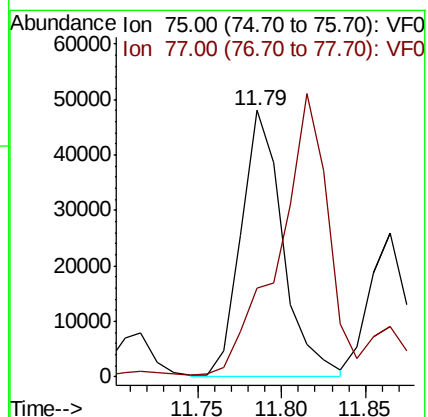
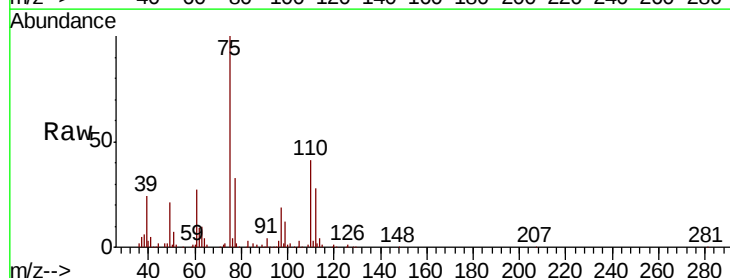
Acq: 14 Feb 2019 10:57

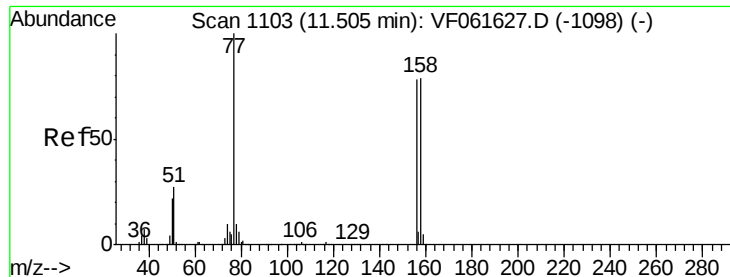
Tgt Ion: 75 Resp: 82768

Ion Ratio Lower Upper

75 100

77 33.2 16.6 49.7





#77

Bromobenzene

Concen: 55.255 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

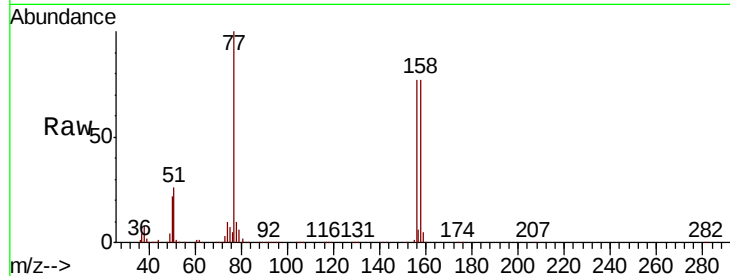
Tgt Ion:156 Resp: 196318

Ion Ratio Lower Upper

156 100

77 129.8 64.3 192.7

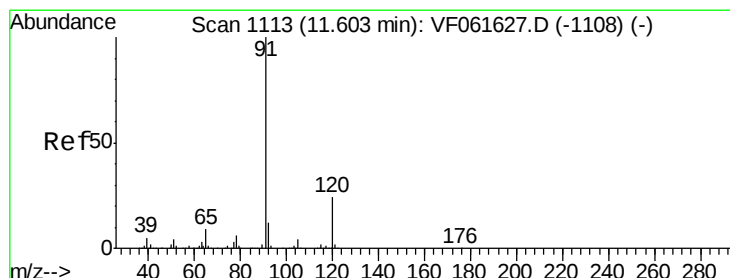
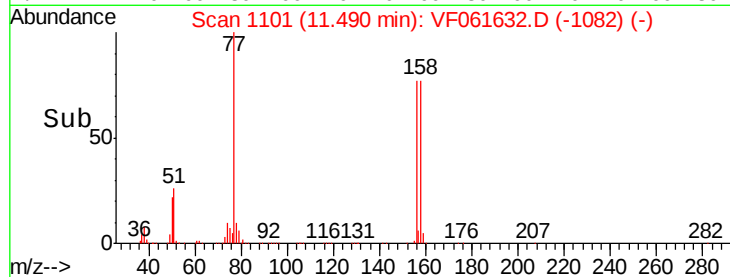
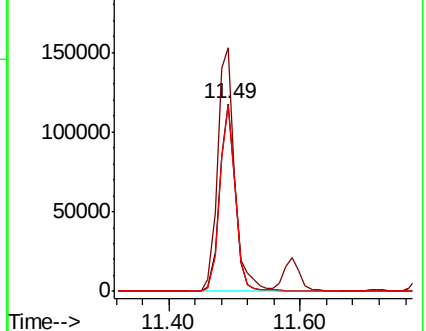
158 99.4 50.9 152.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 56.141 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF061632.D

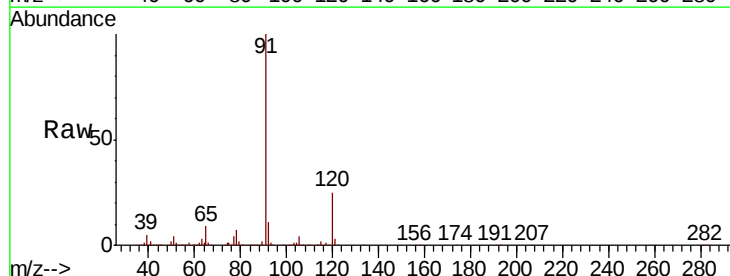
Acq: 14 Feb 2019 10:57

Tgt Ion: 91 Resp: 926522

Ion Ratio Lower Upper

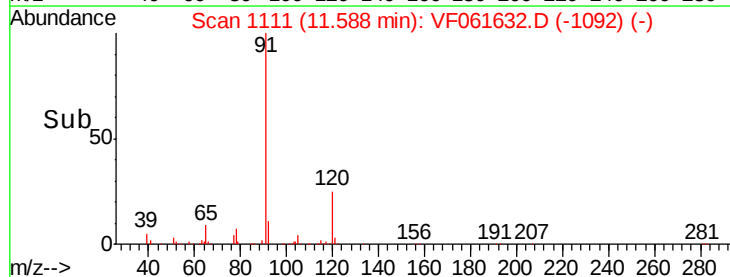
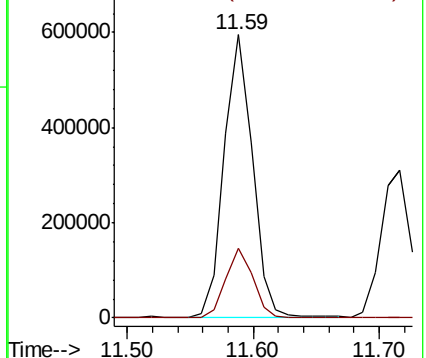
91 100

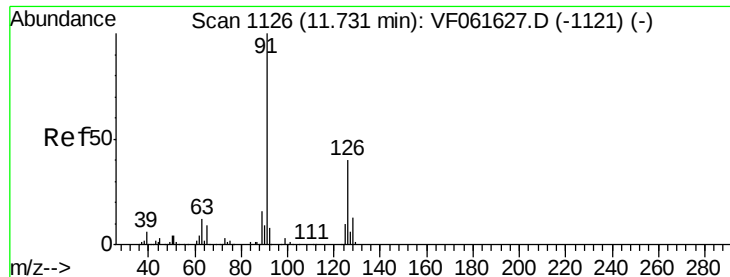
120 24.7 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

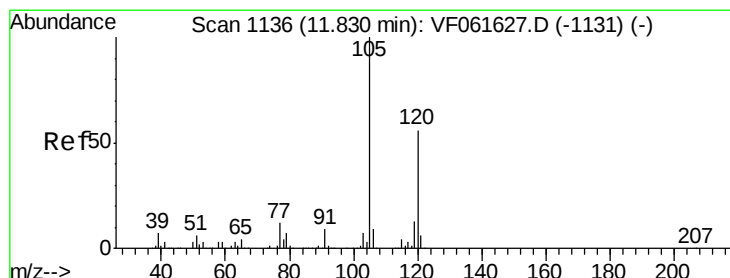
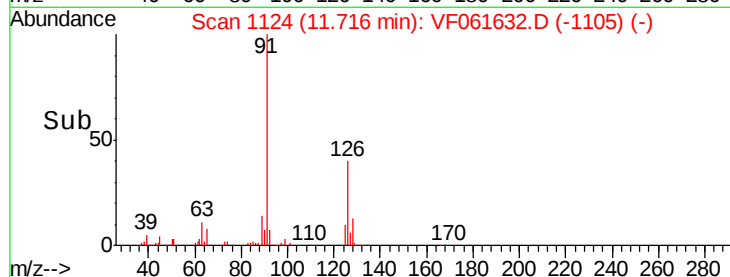
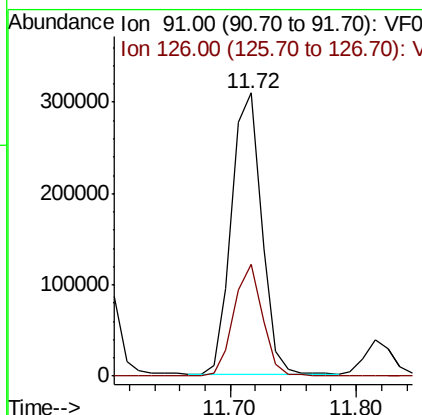
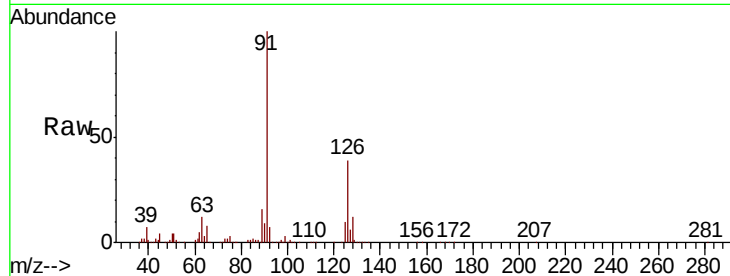




#79
 2-Chlorotoluene
 Concen: 55.208 ug/l
 RT: 11.72 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

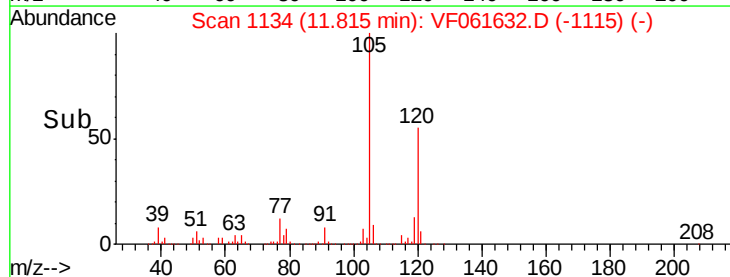
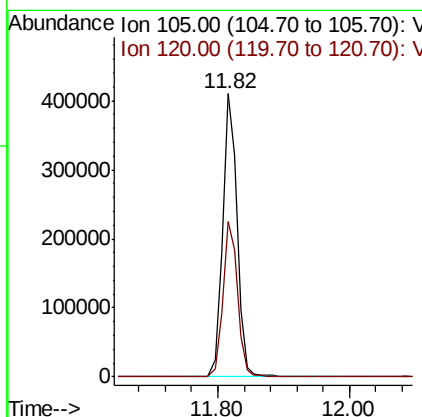
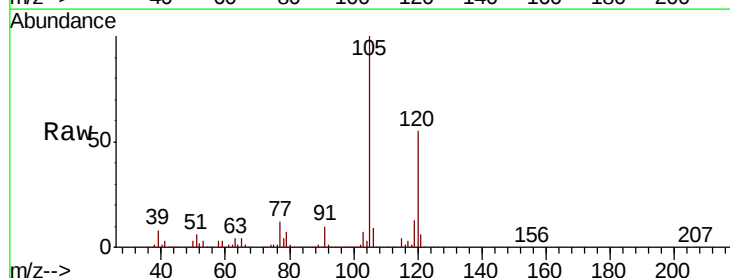
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

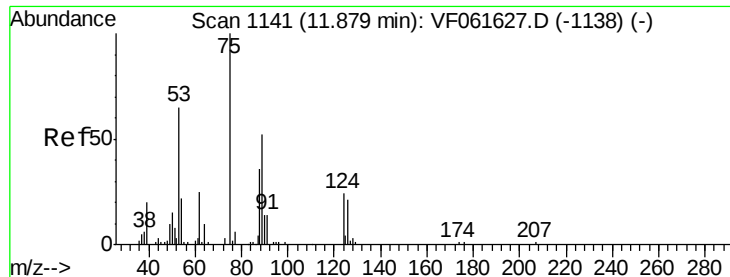
Tgt Ion: 91 Resp: 510279
 Ion Ratio Lower Upper
 91 100
 126 39.3 19.8 59.4



#80
 1,3,5-Trimethylbenzene
 Concen: 54.812 ug/l
 RT: 11.82 min Scan# 1134
 Delta R.T. -0.01 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Tgt Ion: 105 Resp: 630038
 Ion Ratio Lower Upper
 105 100
 120 55.0 27.9 83.6





#81

trans-1,4-Dichloro-2-butene

Concen: 62.643 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

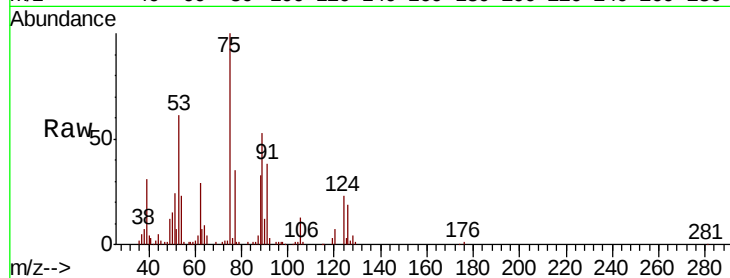
Tgt Ion: 75 Resp: 52609

Ion Ratio Lower Upper

75 100

53 60.8 53.7 80.5

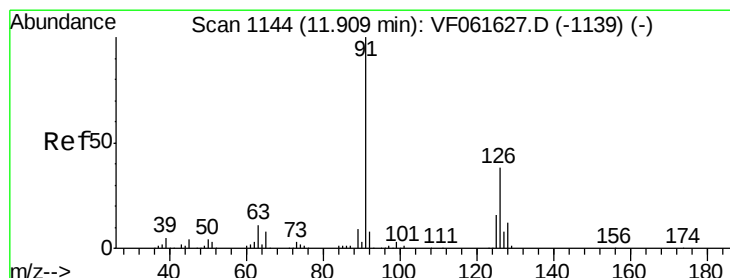
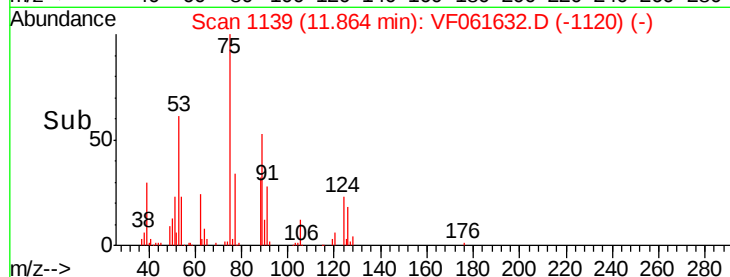
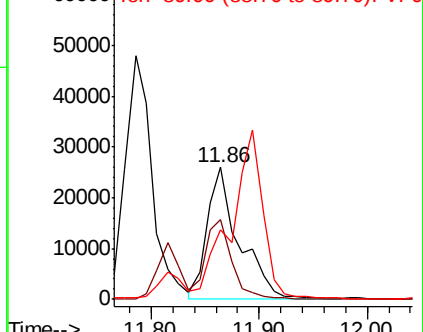
89 53.0 41.6 62.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 52.521 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF061632.D

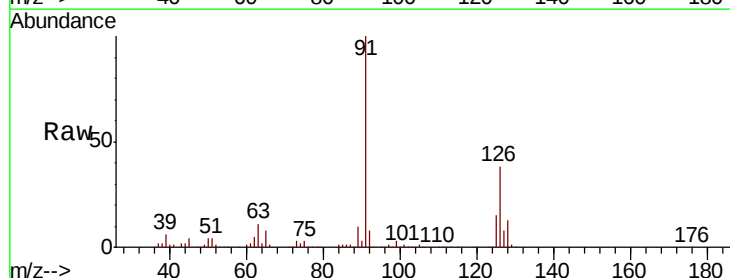
Acq: 14 Feb 2019 10:57

Tgt Ion: 91 Resp: 503863

Ion Ratio Lower Upper

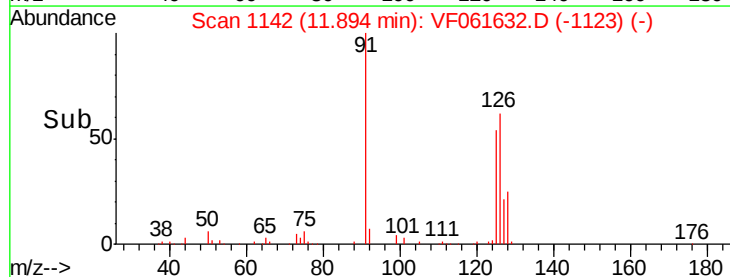
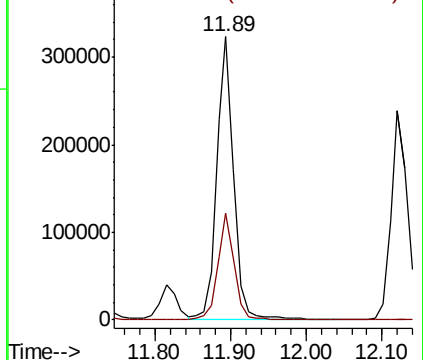
91 100

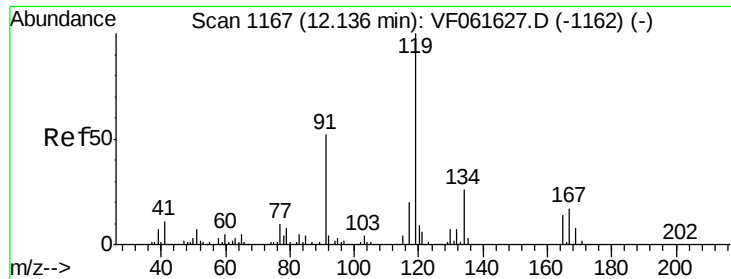
126 37.7 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

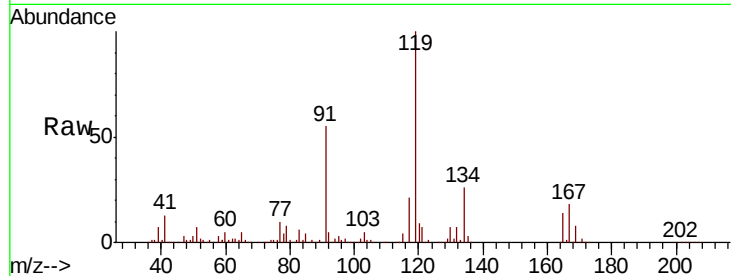




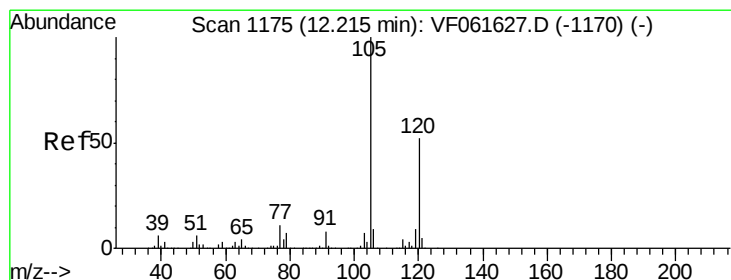
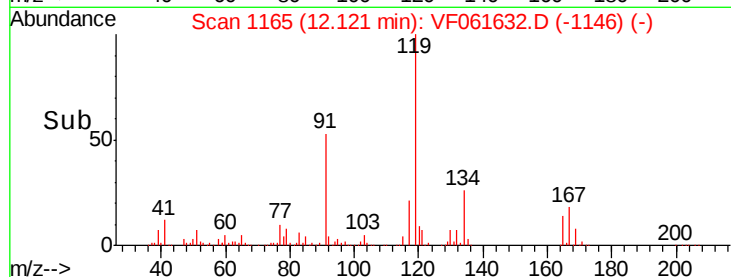
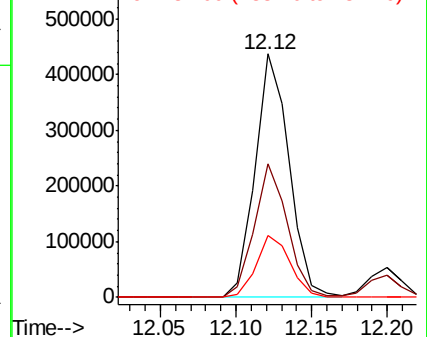
#83
 tert-Butylbenzene
 Concen: 53.876 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 685917
 Ion Ratio Lower Upper
 119 100
 91 54.6 26.3 78.8
 134 25.7 12.9 38.7

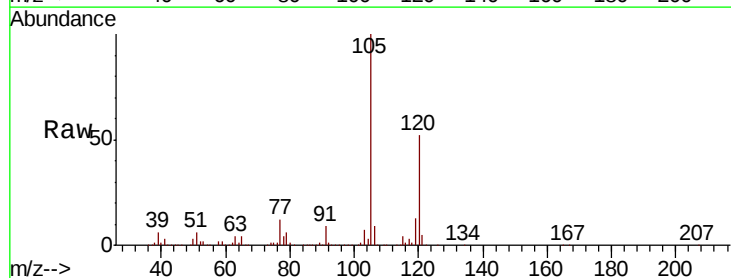


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

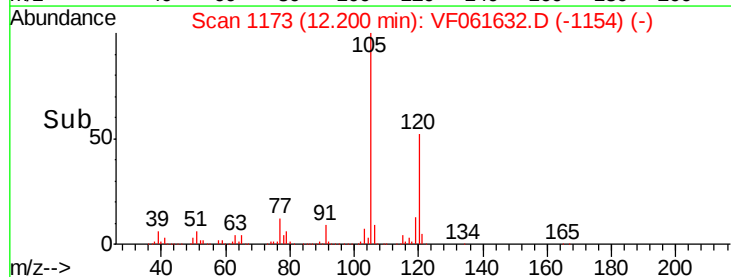
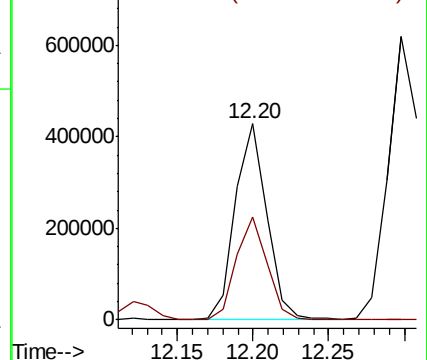


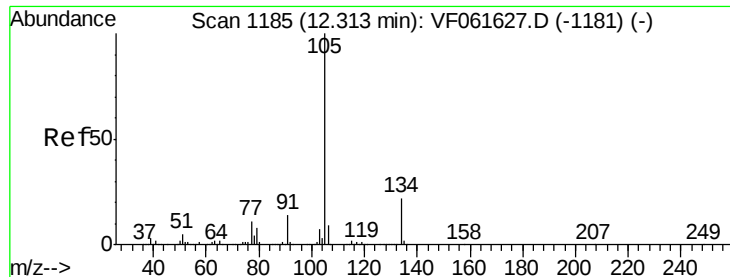
#84
 1,2,4-Trimethylbenzene
 Concen: 54.598 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Tgt Ion:105 Resp: 623491
 Ion Ratio Lower Upper
 105 100
 120 52.3 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: 56.303 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

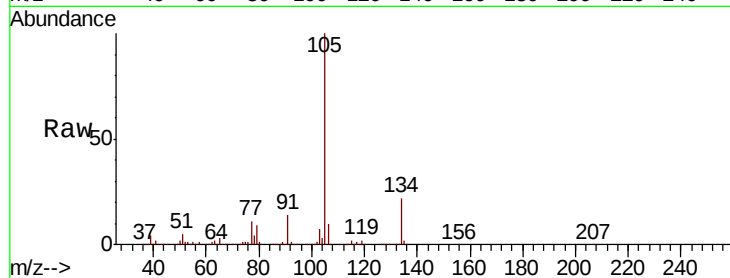
VSTDCCC050

Tgt Ion:105 Resp: 926953

Ion Ratio Lower Upper

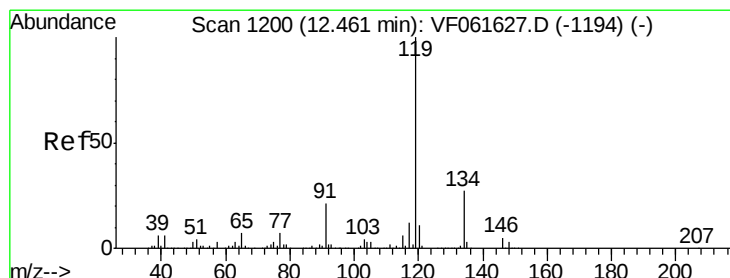
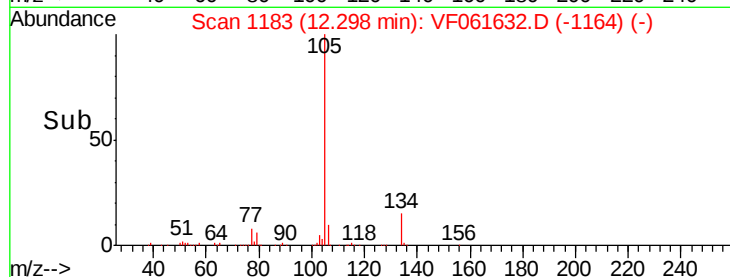
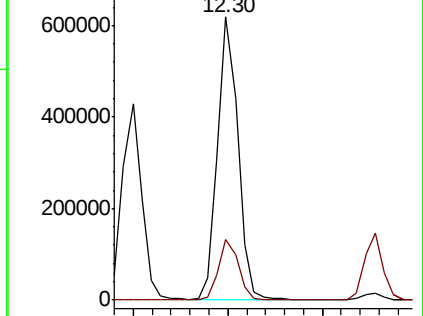
105 100

134 21.6 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.859 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

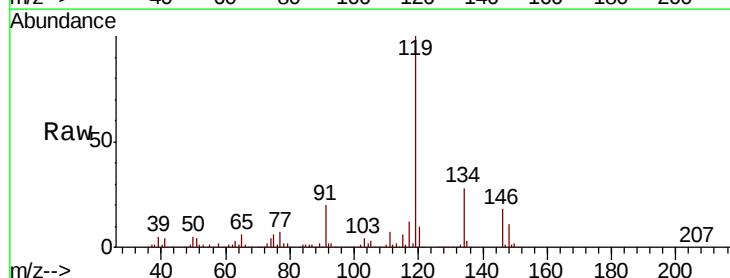
Tgt Ion:119 Resp: 757988

Ion Ratio Lower Upper

119 100

134 27.8 13.7 41.1

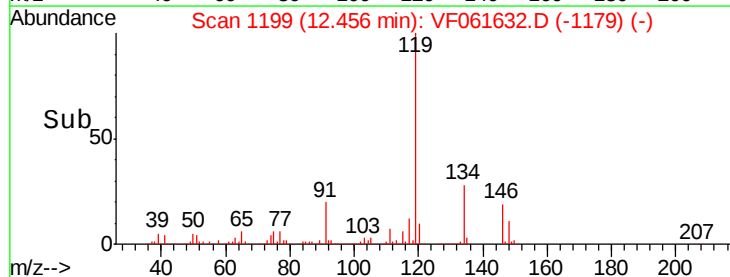
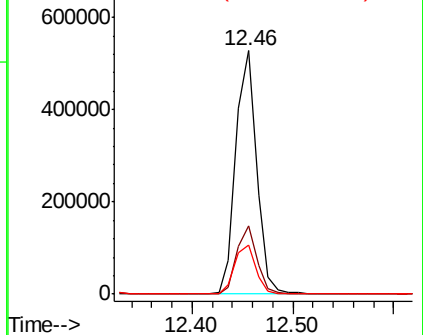
91 20.2 10.8 32.4

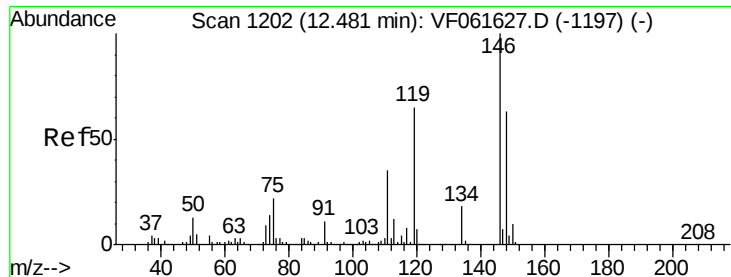


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

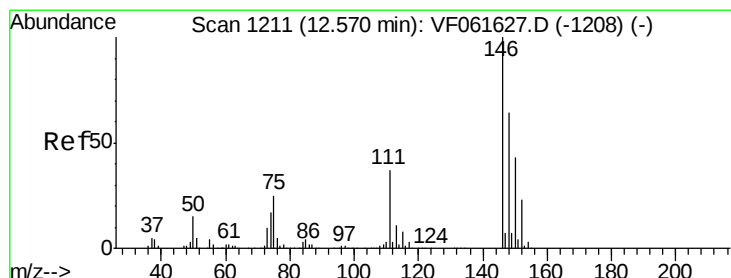
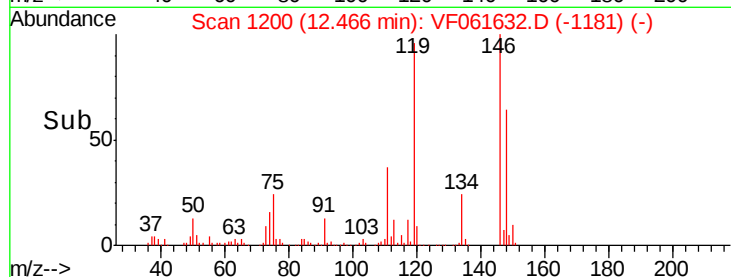
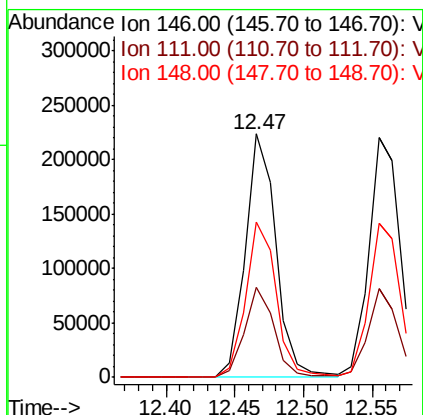
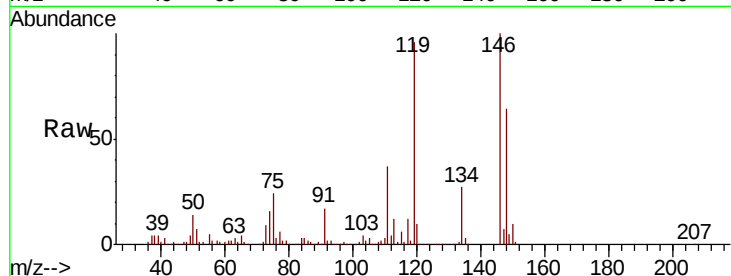




#87
 1,3-Dichlorobenzene
 Concen: 50.387 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

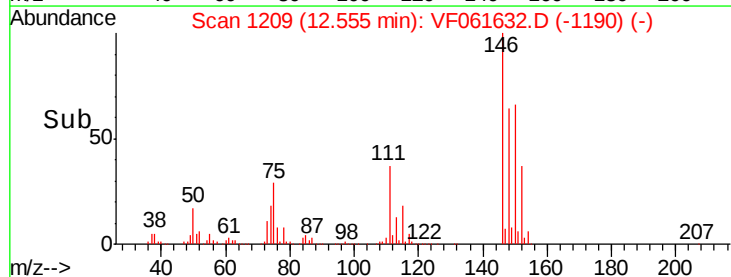
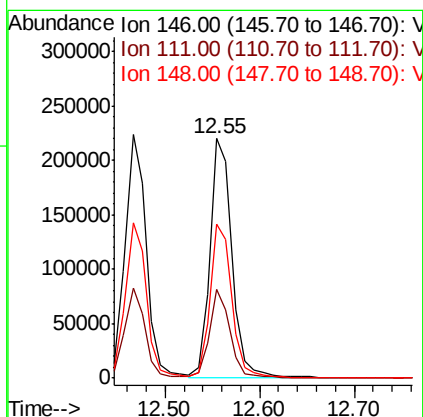
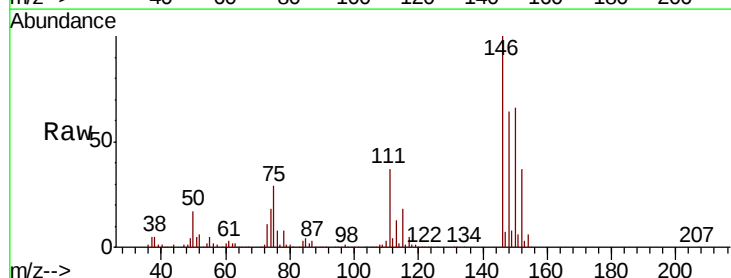
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

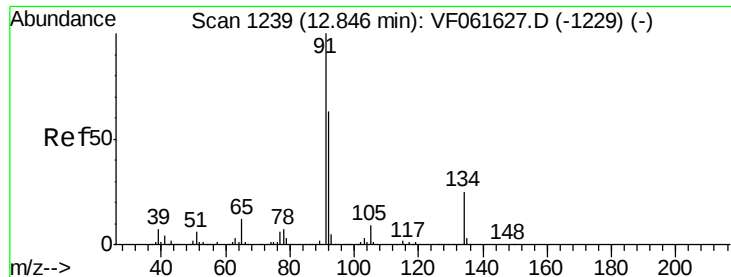
Tgt Ion:146 Resp: 349009
 Ion Ratio Lower Upper
 146 100
 111 37.1 17.5 52.6
 148 63.9 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 53.232 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Tgt Ion:146 Resp: 354603
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.4 55.4
 148 64.5 32.2 96.6

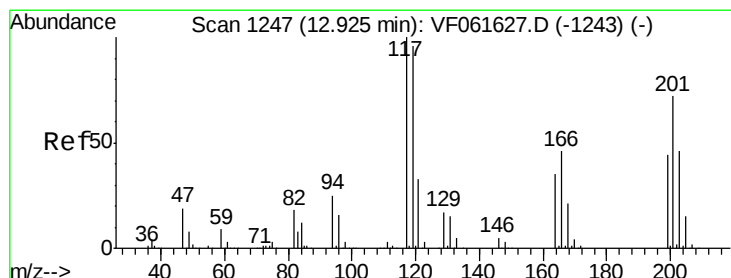
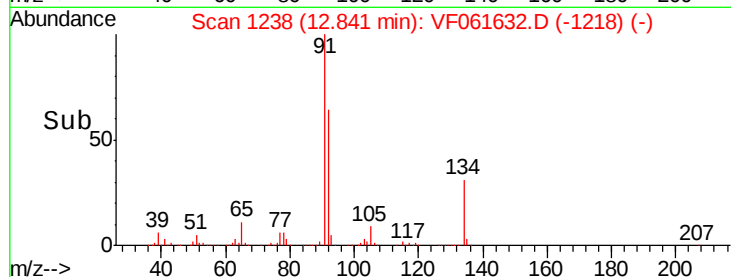
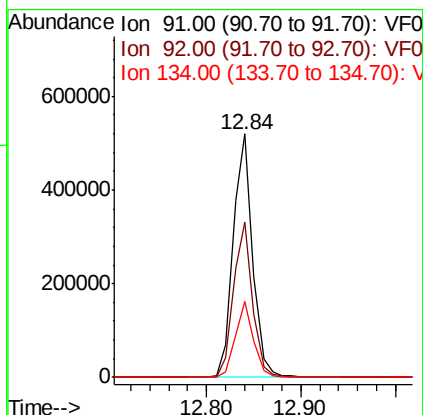
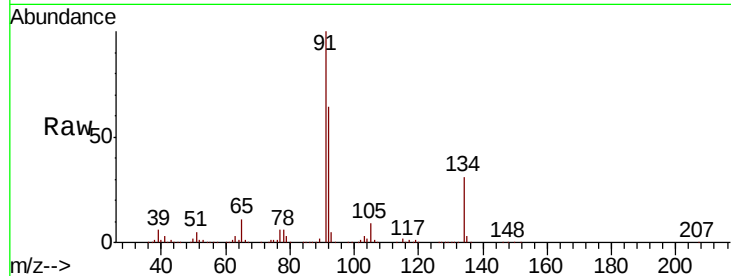




#89
n-Butylbenzene
Concen: 56.502 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

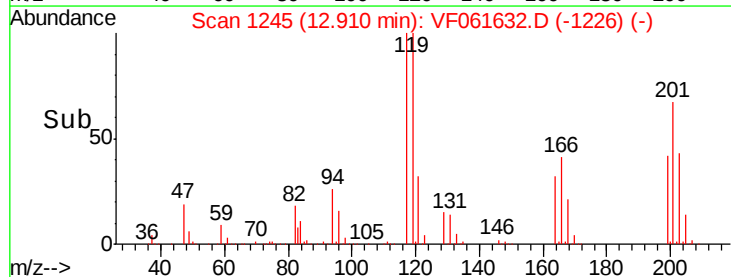
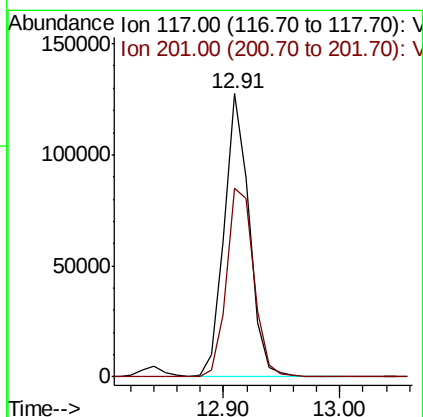
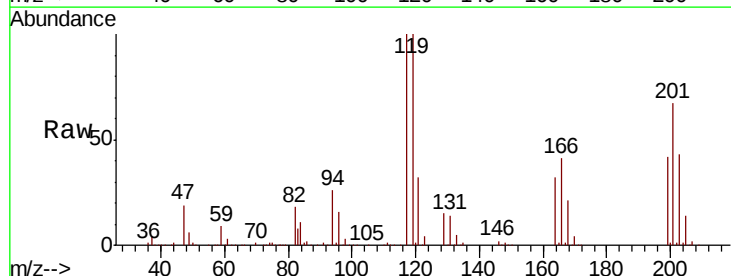
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

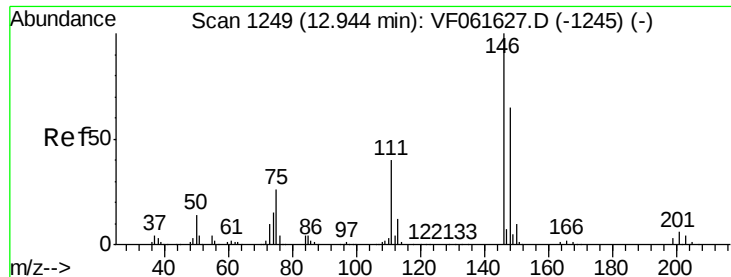
Tgt Ion: 91 Resp: 737191
Ion Ratio Lower Upper
91 100
92 63.9 31.4 94.3
134 31.2 12.3 36.9



#90
Hexachloroethane
Concen: 58.852 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VF061632.D
Acq: 14 Feb 2019 10:57

Tgt Ion: 117 Resp: 189121
Ion Ratio Lower Upper
117 100
201 66.6 36.2 108.6

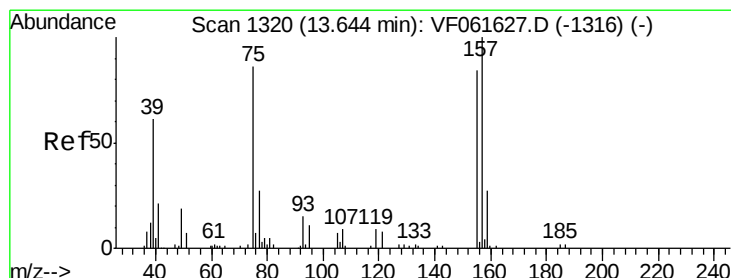
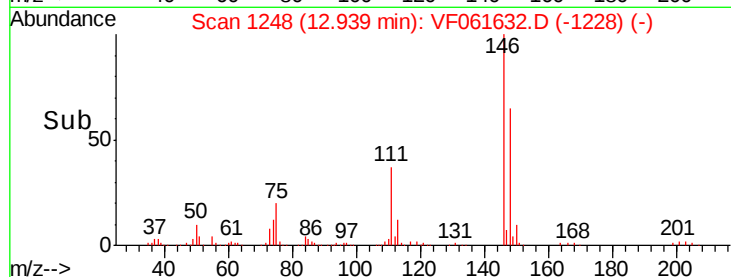
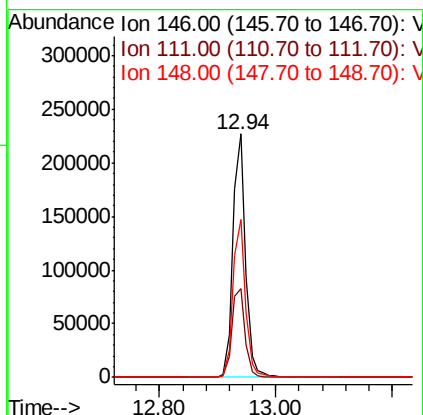
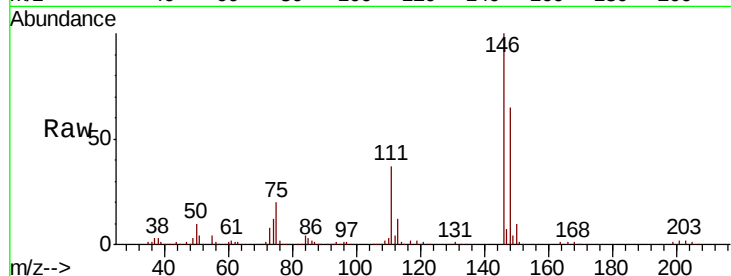




#91
 1,2-Dichlorobenzene
 Concen: 51.399 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

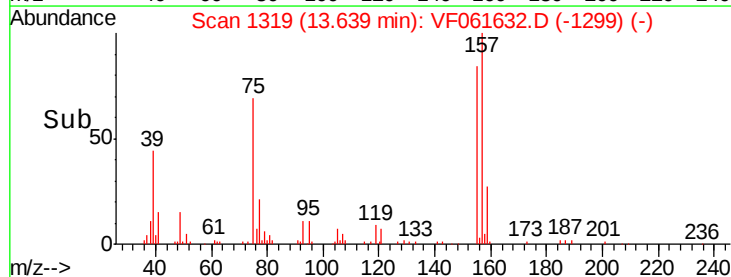
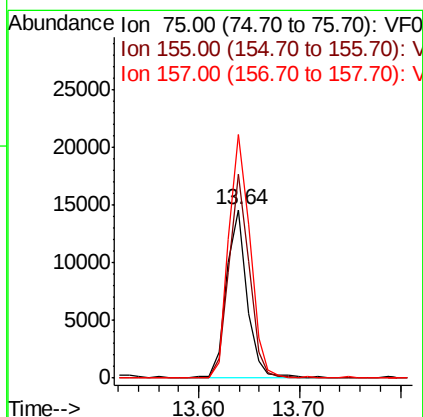
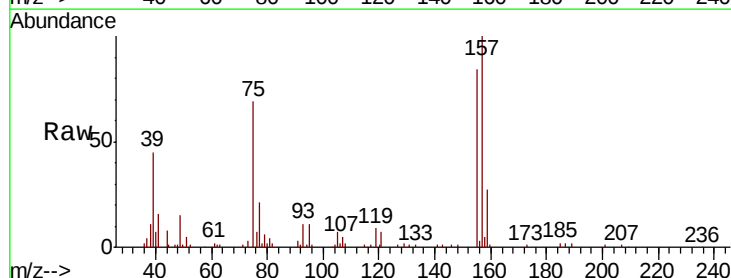
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

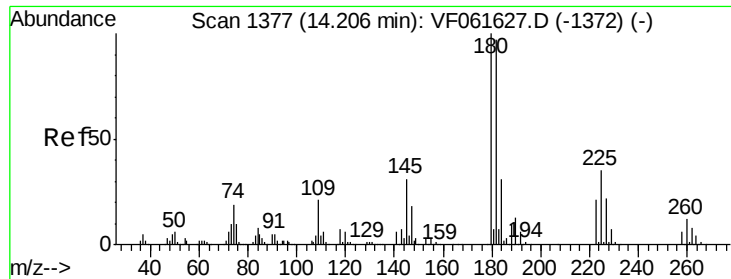
Tgt Ion: 146 Resp: 338631
 Ion Ratio Lower Upper
 146 100
 111 36.6 20.2 60.5
 148 65.0 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.243 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Tgt Ion: 75 Resp: 20933
 Ion Ratio Lower Upper
 75 100
 155 121.0 48.9 146.8
 157 144.4 58.3 174.8

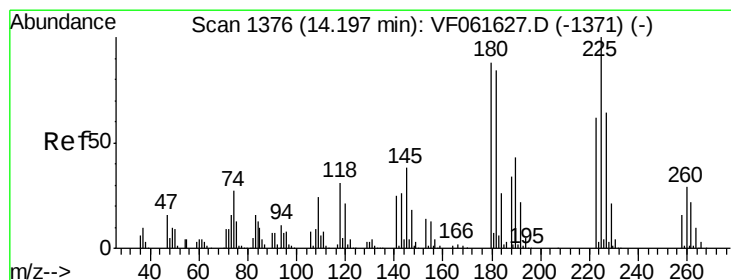
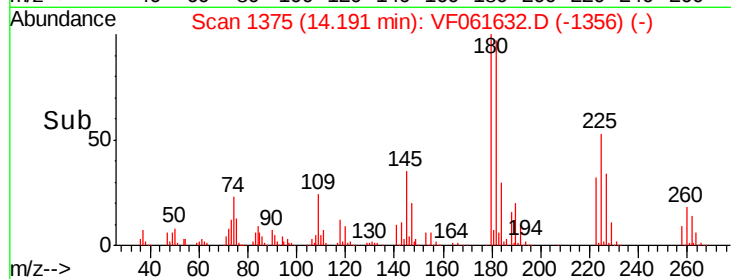
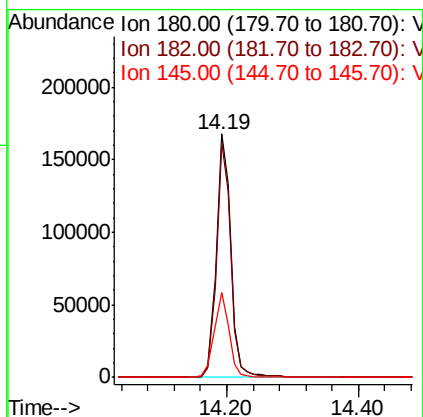
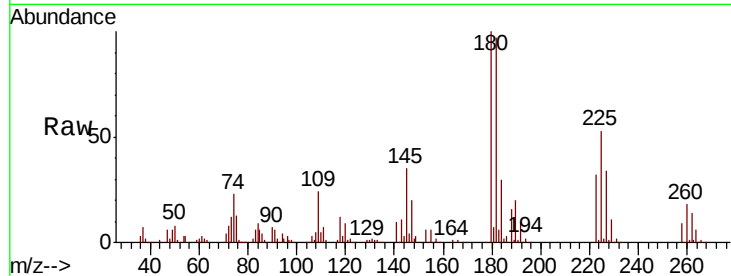




#93
 1,2,4-Trichlorobenzene
 Concen: 54.429 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

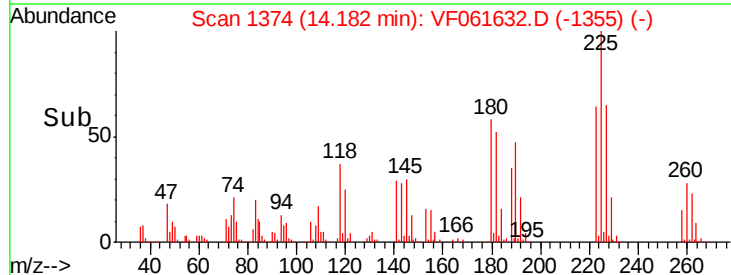
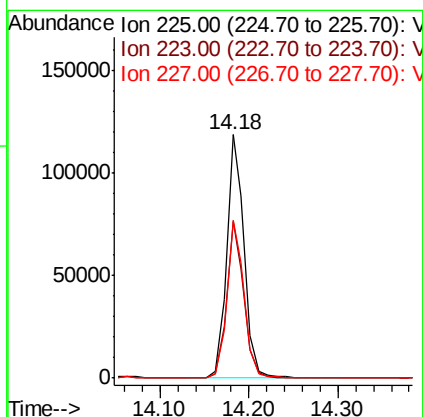
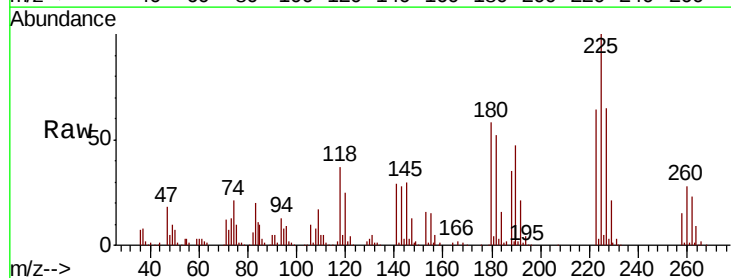
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

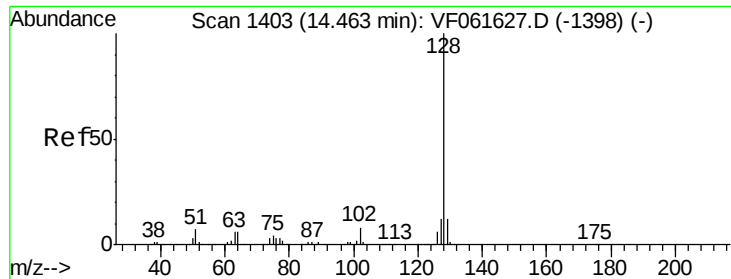
Tgt Ion:180 Resp: 257032
 Ion Ratio Lower Upper
 180 100
 182 96.6 48.6 145.9
 145 35.1 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 56.542 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061632.D
 Acq: 14 Feb 2019 10:57

Tgt Ion:225 Resp: 164905
 Ion Ratio Lower Upper
 225 100
 223 64.3 30.9 92.7
 227 65.0 32.1 96.3





#95

Naphthalene

Concen: 53.508 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

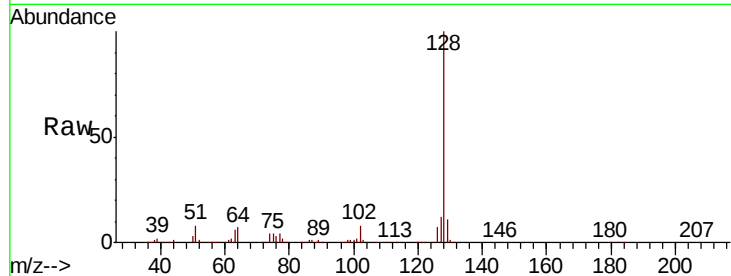
Tgt Ion:128 Resp: 442094

Ion Ratio Lower Upper

128 100

127 11.9 9.8 14.6

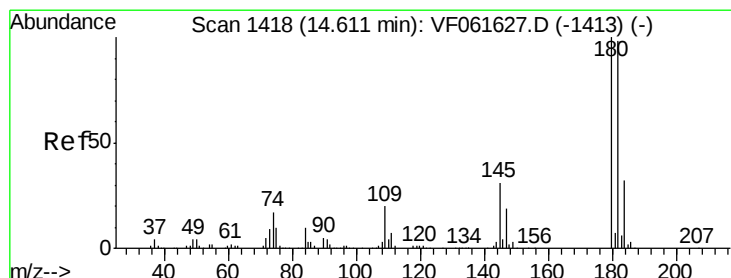
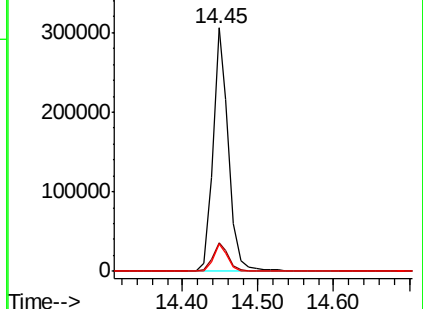
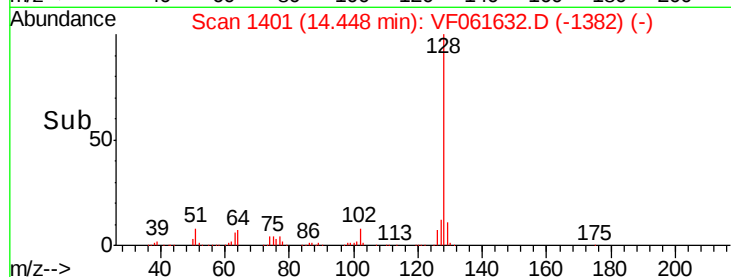
129 11.4 9.4 14.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.703 ug/l

RT: 14.60 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF061632.D

Acq: 14 Feb 2019 10:57

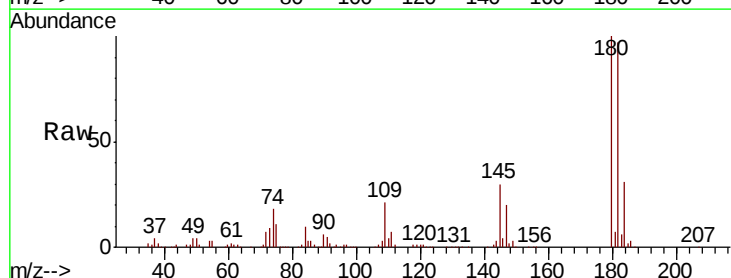
Tgt Ion:180 Resp: 232769

Ion Ratio Lower Upper

180 100

182 96.5 49.0 147.2

145 30.3 15.4 46.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

