

Data File : VF060711.D
Acq On : 13 Nov 2018 13:33
Operator : VA/AP
Sample : VSTDIC075
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Quant Time: Nov 14 02:47:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 14 02:40:41 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	211831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	383439	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	342303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	182527	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	169085	69.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.96%	
35) Dibromofluoromethane	4.12	113	191559	66.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.92%	
50) Toluene-d8	7.57	98	529286	63.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.20%	
62) 4-Bromofluorobenzene	11.42	95	247552	63.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	262918	69.353	ug/l	99
3) Chloromethane	1.09	50	167178	71.106	ug/l	95
4) Vinyl Chloride	1.14	62	147549	70.155	ug/l	98
5) Bromomethane	1.32	94	96549	72.268	ug/l	89
6) Chloroethane	1.37	64	58451	71.032	ug/l	97
7) Trichlorofluoromethane	1.49	101	336648	72.337	ug/l	100
8) Diethyl Ether	1.64	74	45090	75.667	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.82	101	156255	71.294	ug/l	98
10) Methyl Iodide	1.90	142	261280	77.504	ug/l	89
11) Tert butyl alcohol	2.57	59	38527	350.365	ug/l	99
12) 1,1-Dichloroethene	1.78	96	122092	70.647	ug/l	98
13) Acrolein	2.01	56	32693	325.161	ug/l	100
14) Allyl chloride	2.10	41	219482	72.494	ug/l	98
15) Acrylonitrile	2.95	53	78159	333.564	ug/l	95
16) Acetone	2.24	43	188580	365.153	ug/l	99
17) Carbon Disulfide	1.82	76	372282	71.321	ug/l	98
18) Methyl Acetate	2.36	43	58672	63.682	ug/l	95
19) Methyl tert-butyl Ether	2.44	73	299648	72.275	ug/l	99
20) Methylene Chloride	2.19	84	52480	26.868	ug/l	97
21) trans-1,2-Dichloroethene	2.32	96	126792	70.222	ug/l	95
22) Diisopropyl ether	2.81	45	413557	70.752	ug/l	97
23) Vinyl Acetate	3.20	43	1004870	365.078	ug/l	97
24) 1,1-Dichloroethane	2.88	63	253564	71.653	ug/l	99
25) 2-Butanone	4.34	43	308650	363.348	ug/l	98
26) 2,2-Dichloropropane	3.61	77	196528	70.573	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	219862	71.580	ug/l	96
28) Bromochloromethane	3.73	49	131454	71.478	ug/l	95
29) Tetrahydrofuran	4.08	42	122505	349.627	ug/l	98
30) Chloroform	3.87	83	396419	69.819	ug/l	97
31) Cyclohexane	3.70	56	295106	68.710	ug/l	94
32) 1,1,1-Trichloroethane	4.11	97	319509	71.459	ug/l	99
36) 1,1-Dichloropropene	4.29	75	295369	66.421	ug/l	100
37) Ethyl Acetate	4.12	43	113368	68.571	ug/l	88
38) Carbon Tetrachloride	4.00	117	367987	85.281	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	342819	66.449	ug/l	98
40) Benzene	4.65	78	667351	67.322	ug/l	100
41) Methacrylonitrile	4.75	41	62449	62.352	ug/l	96
42) 1,2-Dichloroethane	4.95	62	243059	70.953	ug/l	99
43) Isopropyl Acetate	6.97	43	161834	73.828	ug/l #	96
44) Trichloroethene	5.51	130	202269	64.673	ug/l	92
45) 1,2-Dichloropropane	6.24	63	174898	67.803	ug/l	100
46) Dibromomethane	6.10	93	119365	70.101	ug/l	96
47) Bromodichloromethane	6.40	83	298502	68.649	ug/l	100
48) Methyl methacrylate	6.73	41	103876	71.602	ug/l	94
49) 1,4-Dioxane	6.72	88	19555	1441.270	ug/l #	82
51) 4-Methyl-2-Pentanone	8.27	43	524337	330.728	ug/l	99
52) Toluene	7.63	92	435173	65.510	ug/l	98
53) t-1,3-Dichloropropene	8.30	75	241248	69.271	ug/l	96
54) cis-1,3-Dichloropropene	7.31	75	306516	67.757	ug/l	97
55) 1,1,2-Trichloroethane	8.50	97	130486	68.749	ug/l	96
56) Ethyl methacrylate	8.63	69	154417	71.637	ug/l	95
57) 1,3-Dichloropropane	8.87	76	229203	69.680	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.63	63	67294	341.753	ug/l	100
59) 2-Hexanone	9.50	43	382022	342.876	ug/l	98
60) Dibromochloromethane	8.73	129	190340	70.366	ug/l	99
61) 1,2-Dibromoethane	9.01	107	142132	71.204	ug/l	100
64) Tetrachloroethene	8.17	164	185285	68.354	ug/l	99
65) Chlorobenzene	9.81	112	477147	69.077	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	204718	67.950	ug/l	97
67) Ethyl Benzene	9.91	91	875842	67.268	ug/l	99
68) m/p-Xylenes	10.15	106	639609	137.461	ug/l	94
69) o-Xylene	10.72	106	357498	68.338	ug/l	94
70) Styrene	10.80	104	467786	65.889	ug/l	97
71) Bromoform	10.79	173	97749	72.150	ug/l	99
73) Isopropylbenzene	11.14	105	1019004	69.357	ug/l	99
74) N-amyl acetate	11.38	43	254268	76.022	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.71	83	164855	67.868	ug/l	97
76) 1,2,3-Trichloropropane	11.81	75	120892	67.013	ug/l	97
77) Bromobenzene	11.51	156	219419	71.747	ug/l	89
78) n-propylbenzene	11.61	91	1143009	66.705	ug/l	98
79) 2-Chlorotoluene	11.73	91	666020	66.875	ug/l	98
80) 1,3,5-Trimethylbenzene	11.84	105	803755	68.907	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.88	75	83147	96.063	ug/l	97
82) 4-Chlorotoluene	11.92	91	709914	69.581	ug/l	95
83) tert-Butylbenzene	12.14	119	823496	66.493	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	819847	67.961	ug/l	99
85) sec-Butylbenzene	12.32	105	1132982	67.439	ug/l	98
86) p-Isopropyltoluene	12.47	119	931802	66.408	ug/l	95
87) 1,3-Dichlorobenzene	12.49	146	404465	66.458	ug/l	99
88) 1,4-Dichlorobenzene	12.58	146	403019	68.901	ug/l	100
89) n-Butylbenzene	12.85	91	950720	66.394	ug/l	94
90) Hexachloroethane	12.93	117	239439	69.768	ug/l	90
91) 1,2-Dichlorobenzene	12.95	146	398450	69.532	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	32729	71.688	ug/l	79

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111318\
Quantitation Report (Not Reviewed)

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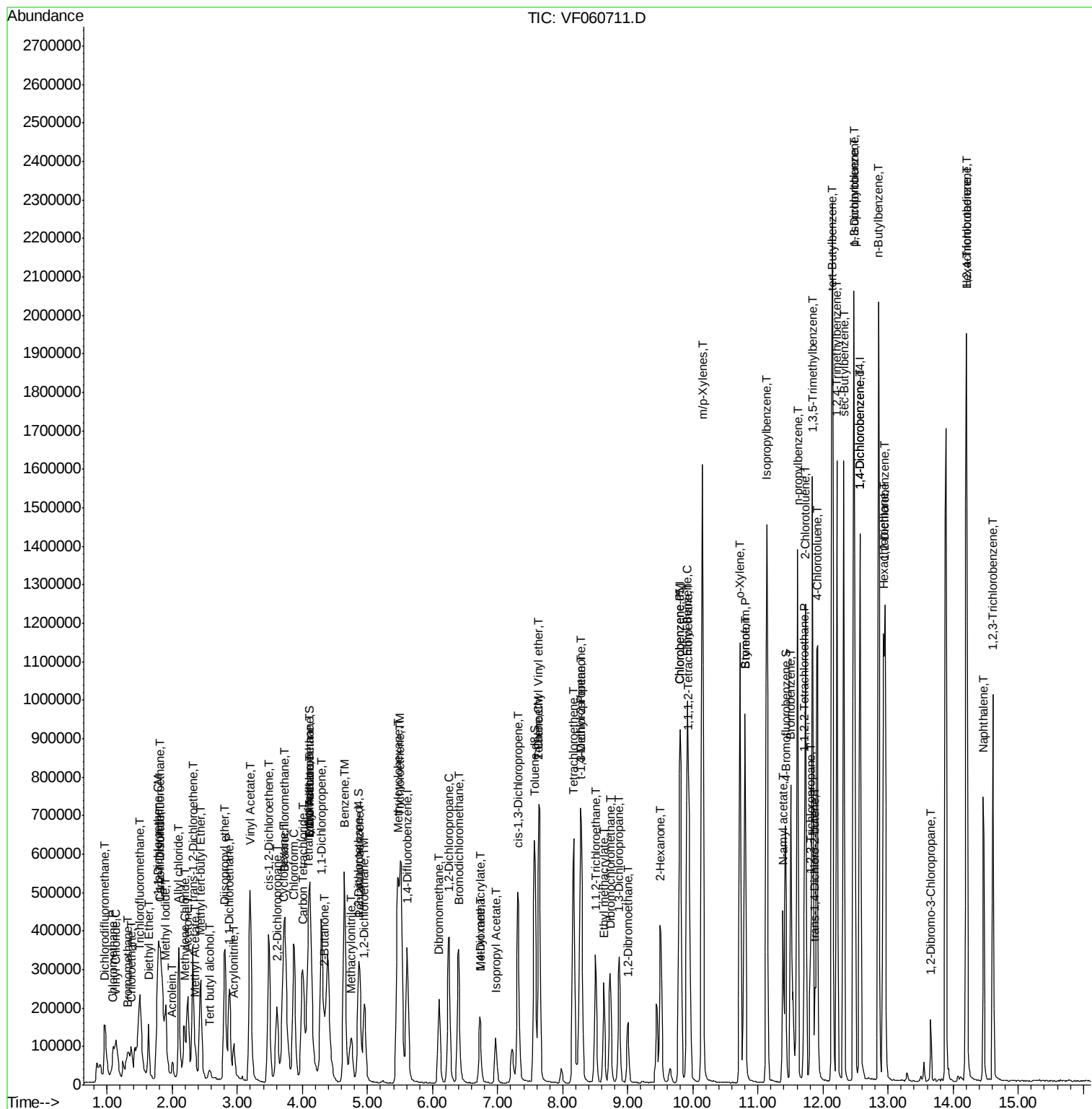
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	281119	68.253	ug/l	96
94) Hexachlorobutadiene	14.20	225	187829	69.786	ug/l	98
95) Naphthalene	14.46	128	549725	73.146	ug/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	265310	69.709	ug/l	97

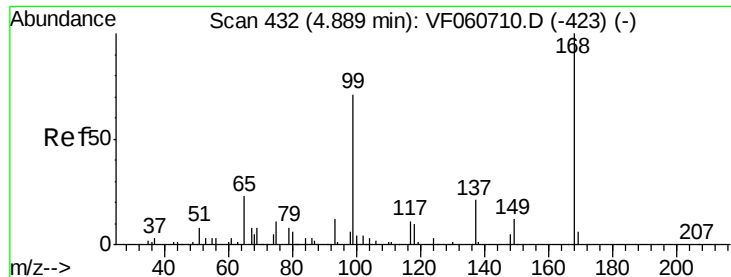
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

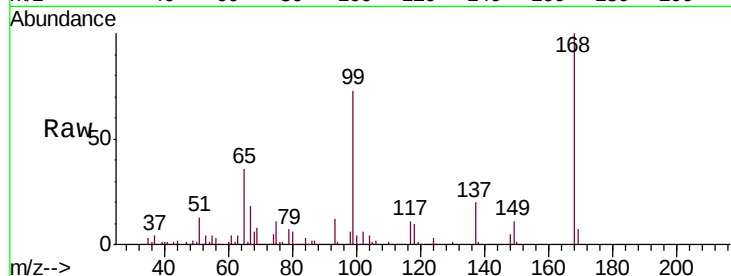
VSTDIC075

Tgt Ion:168 Resp: 211831

Ion Ratio Lower Upper

168 100

99 73.2 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

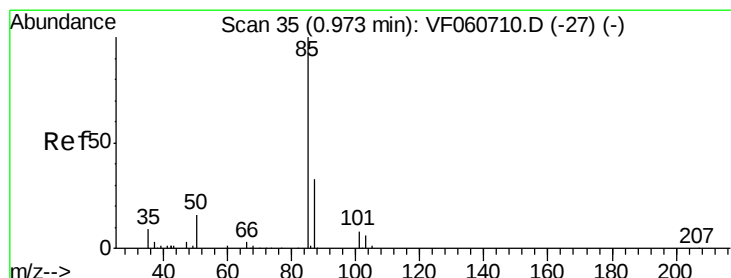
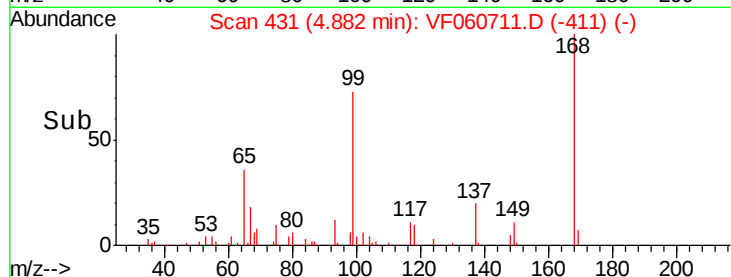
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 69.353 ug/l

RT: 0.97 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060711.D

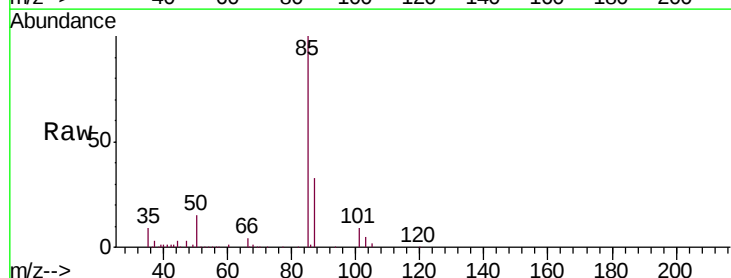
Acq: 13 Nov 2018 13:33

Tgt Ion: 85 Resp: 262918

Ion Ratio Lower Upper

85 100

87 33.3 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

80000

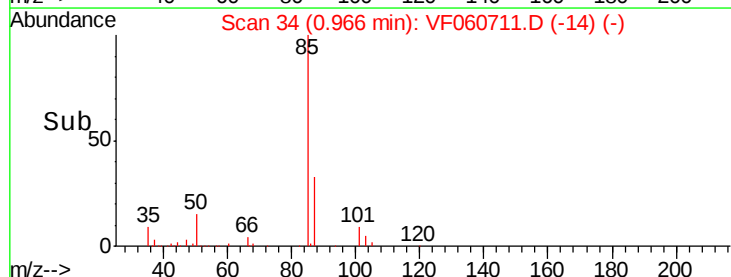
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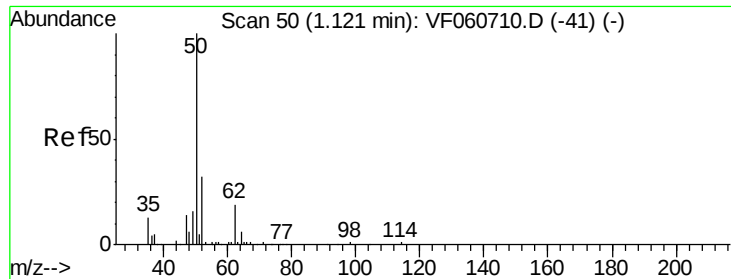
40000

20000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 71.106 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.03 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

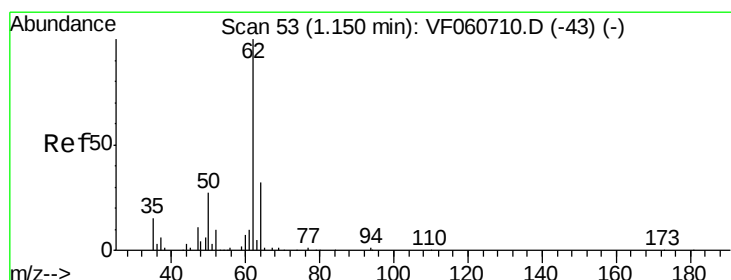
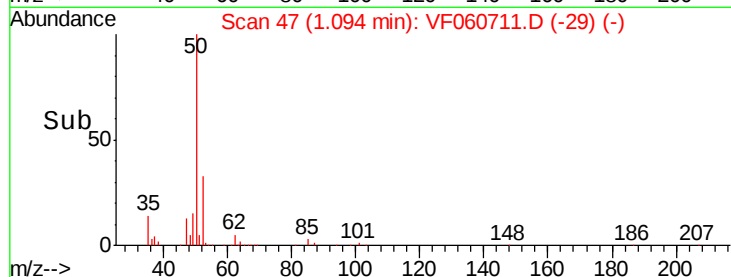
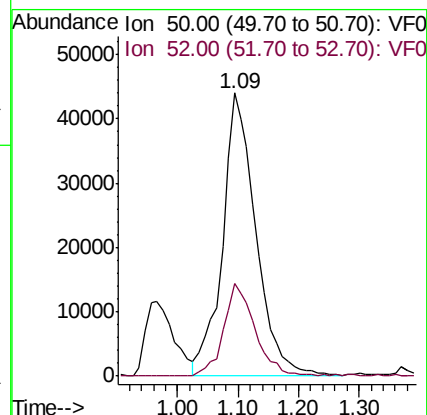
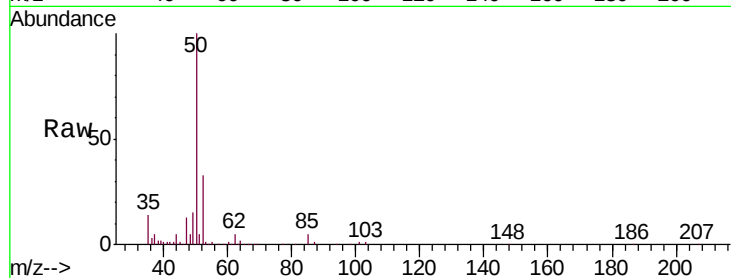
VSTDIC075

Tgt Ion: 50 Resp: 167178

Ion Ratio Lower Upper

50 100

52 32.9 24.2 36.2



#4

Vinyl Chloride

Concen: 70.155 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060711.D

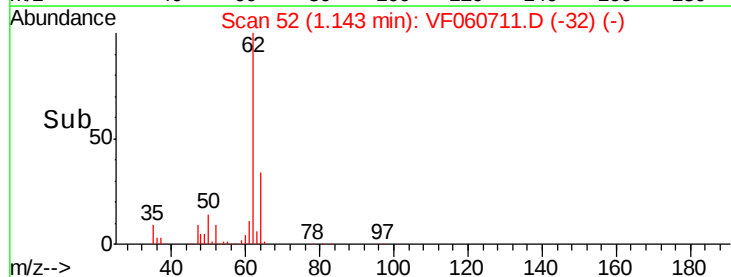
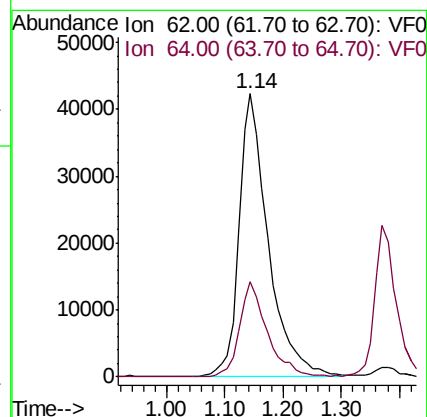
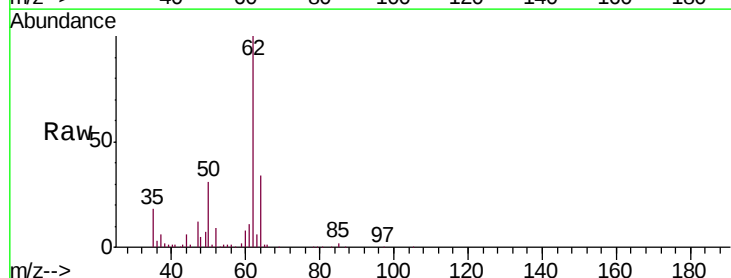
Acq: 13 Nov 2018 13:33

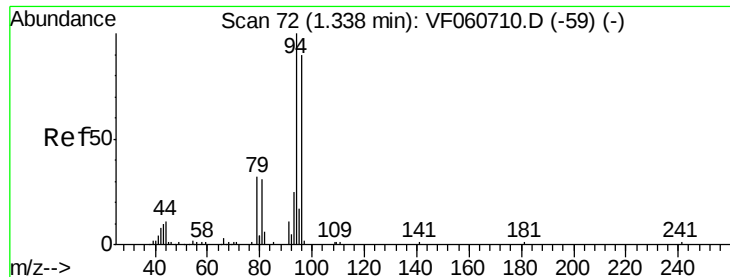
Tgt Ion: 62 Resp: 147549

Ion Ratio Lower Upper

62 100

64 33.7 25.8 38.8





#5

Bromomethane

Concen: 72.268 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

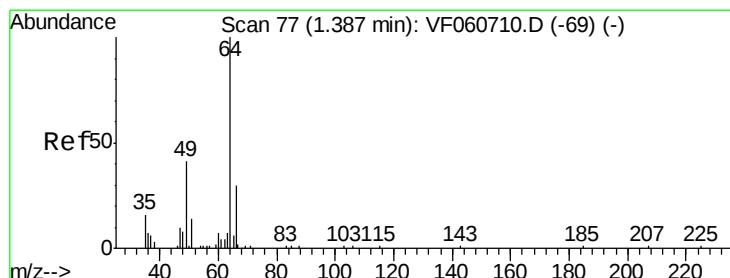
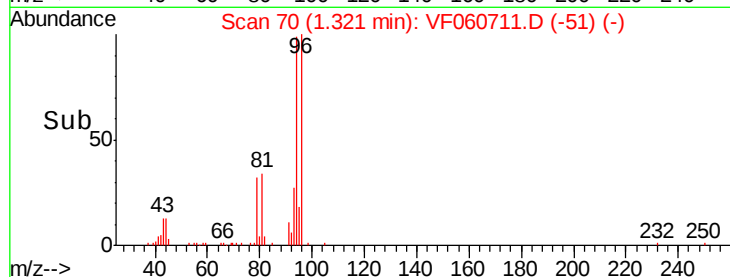
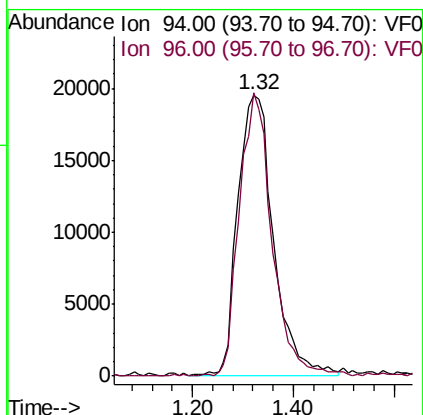
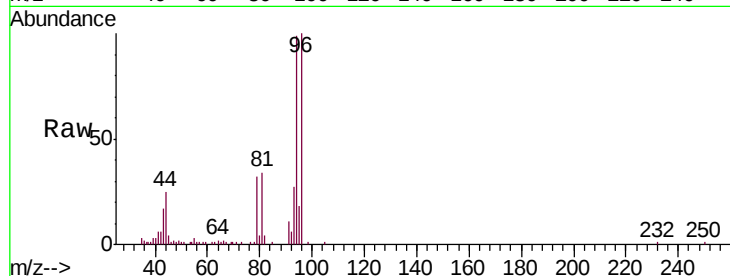
VSTDIC075

Tgt Ion: 94 Resp: 96549

Ion Ratio Lower Upper

94 100

96 100.6 71.9 107.9



#6

Chloroethane

Concen: 71.032 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF060711.D

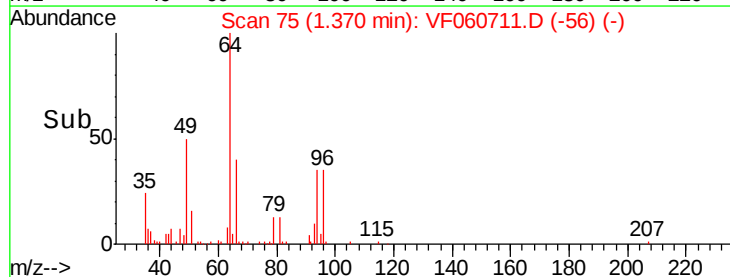
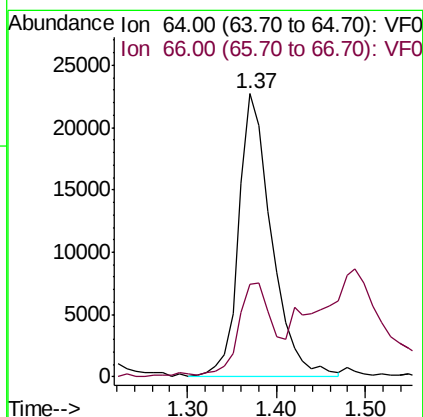
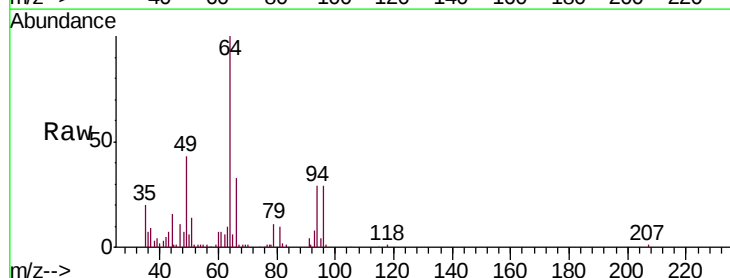
Acq: 13 Nov 2018 13:33

Tgt Ion: 64 Resp: 58451

Ion Ratio Lower Upper

64 100

66 32.5 24.8 37.2



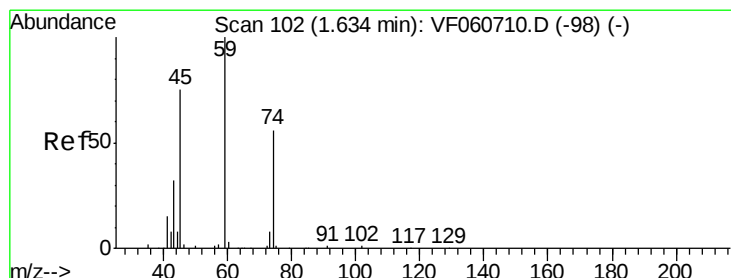
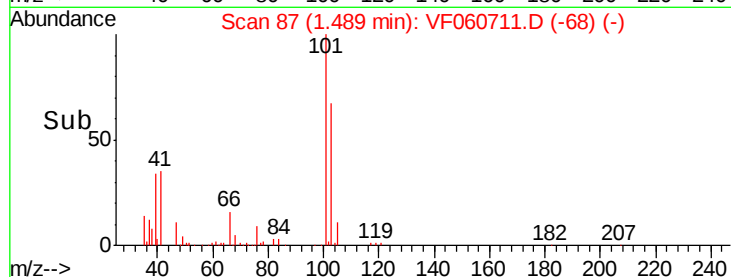
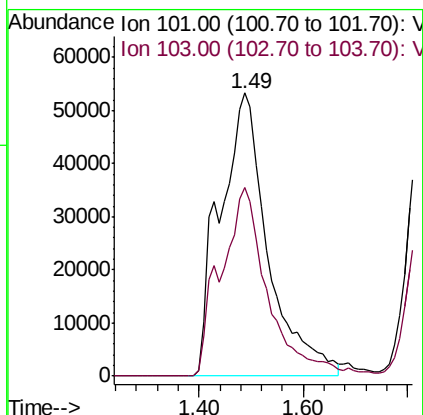
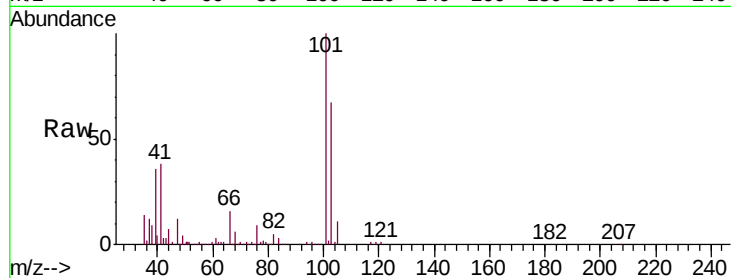


#7

Trichlorofluoromethane
Concen: 72.337 ug/l
RT: 1.49 min Scan# 87
Delta R.T. -0.02 min
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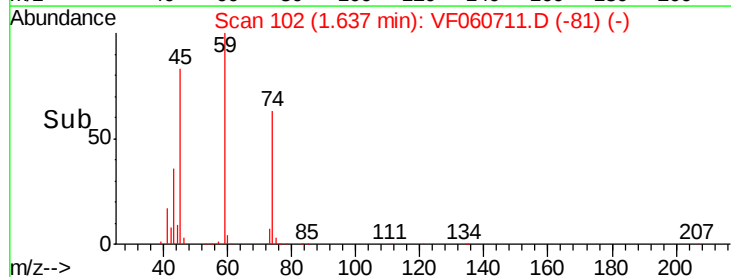
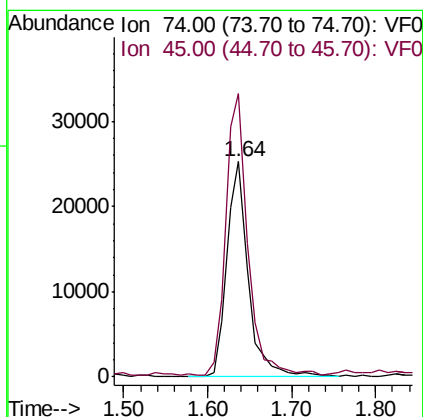
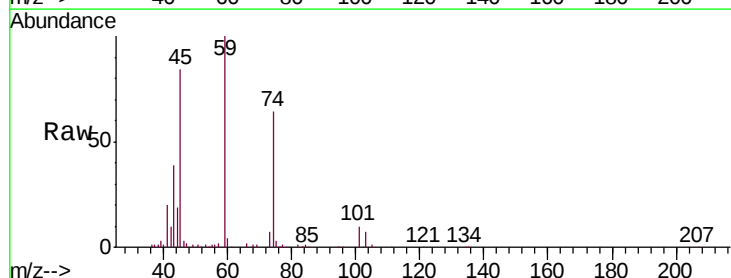
Tgt Ion:101 Resp: 336648
Ion Ratio Lower Upper
101 100
103 66.8 53.1 79.7

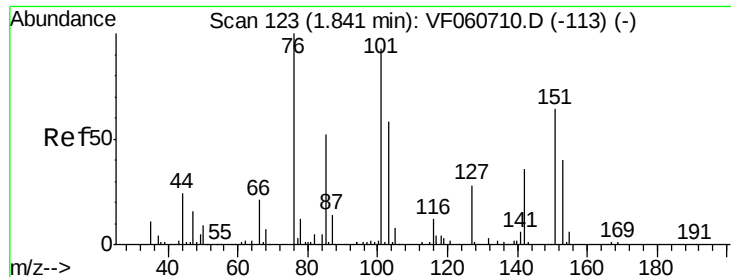


#8

Diethyl Ether
Concen: 75.667 ug/l
RT: 1.64 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion: 74 Resp: 45090
Ion Ratio Lower Upper
74 100
45 131.4 67.7 203.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 71.294 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.02 min

Lab File: VF060711.D

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Instrument :

MSVOA_F

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VSTDIC075

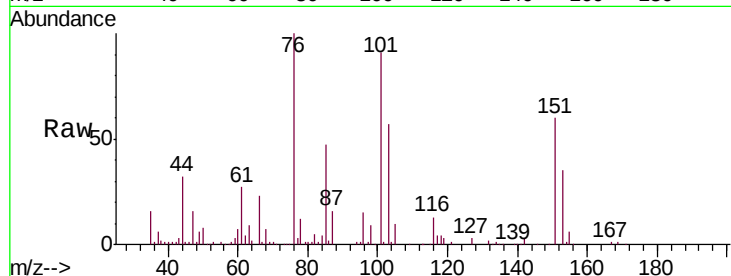
Tgt Ion:101 Resp: 156255

Ion Ratio Lower Upper

101 100

85 52.0 43.6 65.4

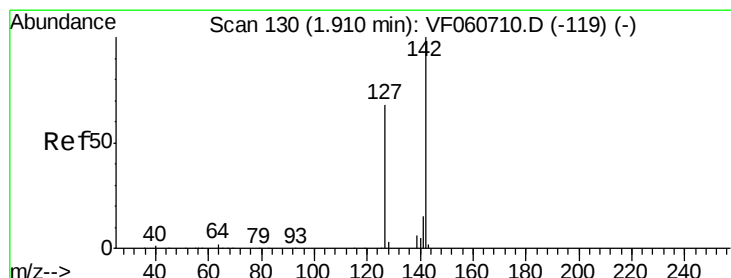
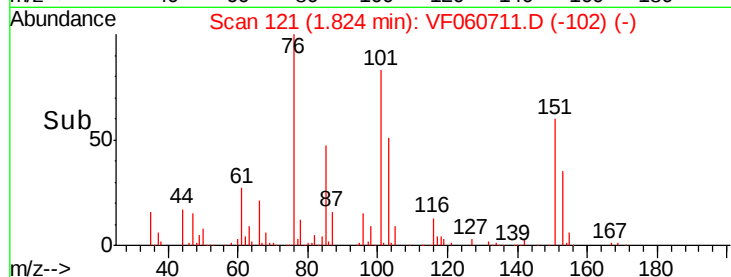
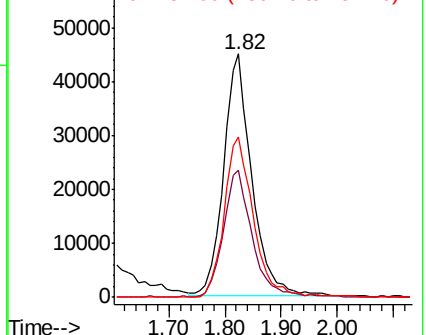
151 65.9 53.1 79.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 77.504 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

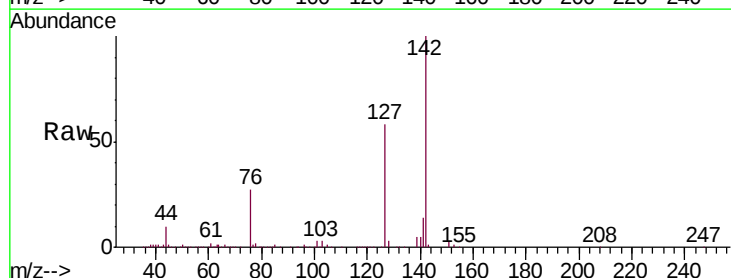
Tgt Ion:142 Resp: 261280

Ion Ratio Lower Upper

142 100

127 57.6 54.0 81.0

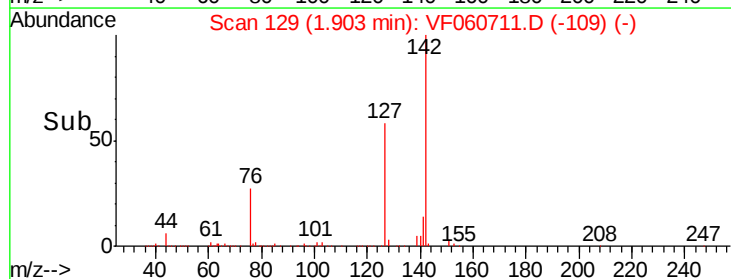
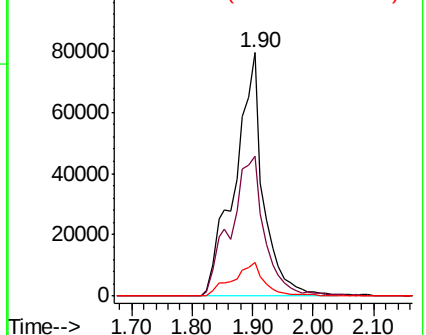
141 14.1 12.3 18.5

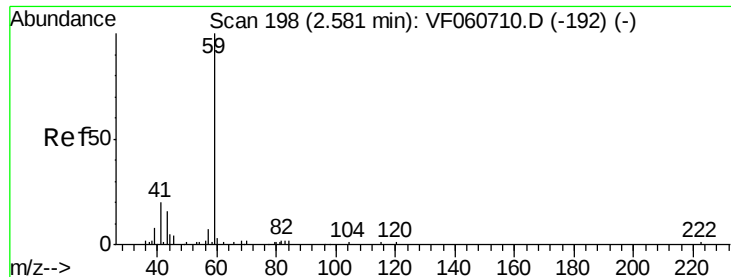


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



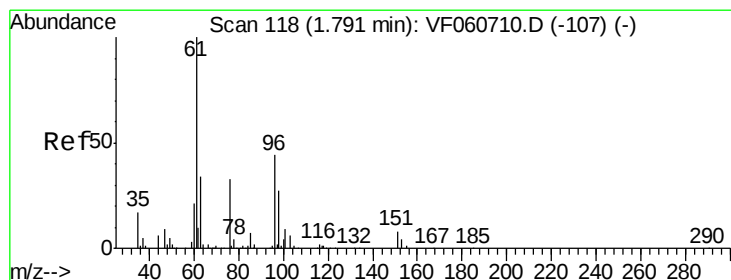
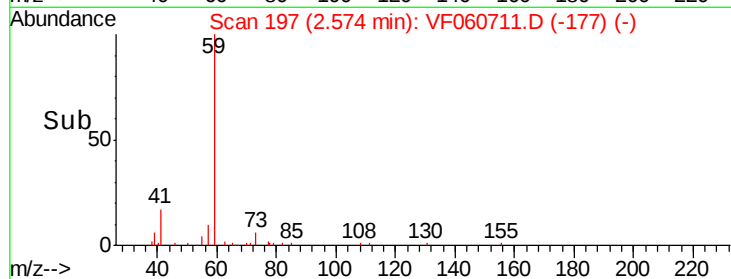
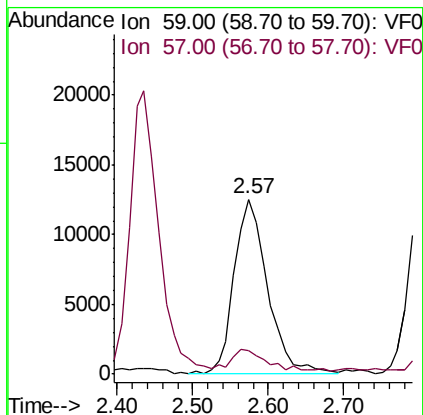
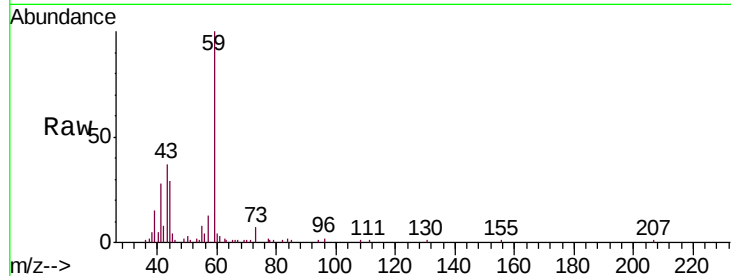


#11

Tert butyl alcohol
Concen: 350.365 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

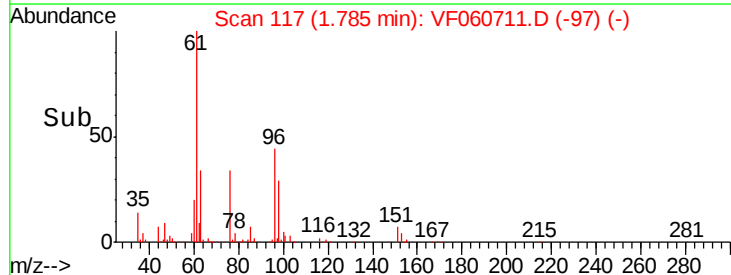
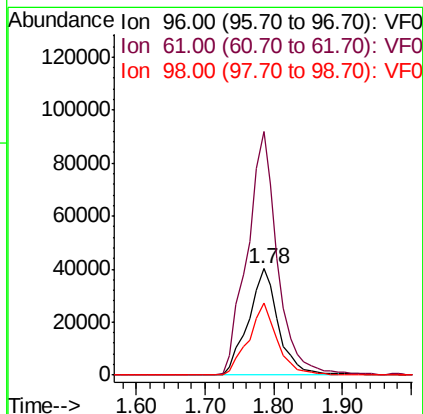
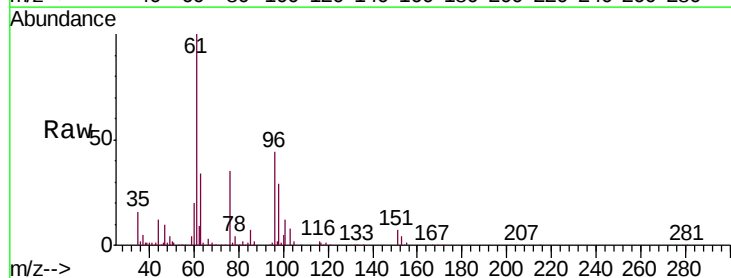
Tgt Ion: 59 Resp: 38527
Ion Ratio Lower Upper
59 100
57 13.4 10.5 15.7

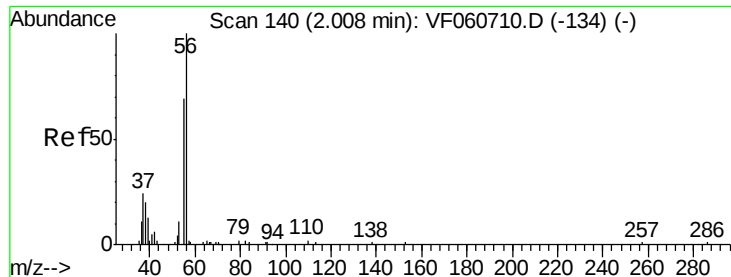


#12

1,1-Dichloroethene
Concen: 70.647 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion: 96 Resp: 122092
Ion Ratio Lower Upper
96 100
61 228.4 182.2 273.2
98 67.2 49.2 73.8





#13

Acrolein

Concen: 325.161 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

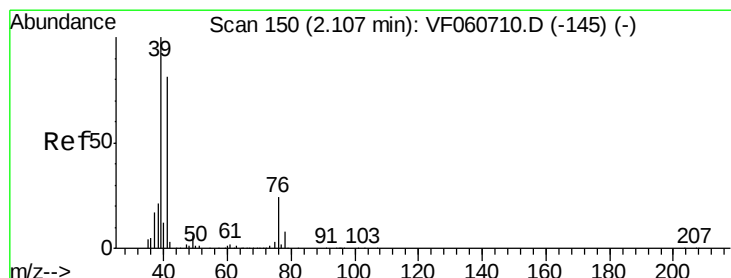
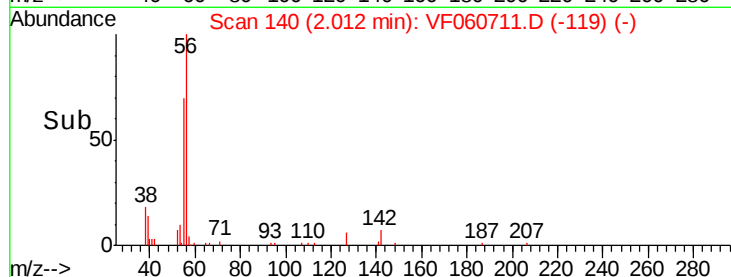
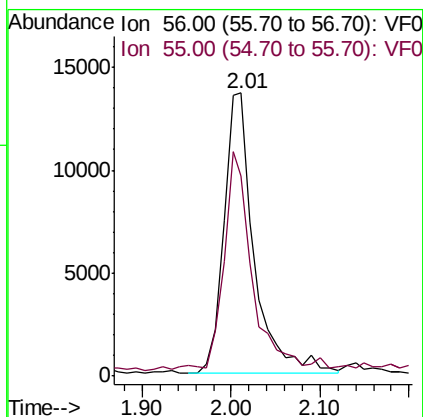
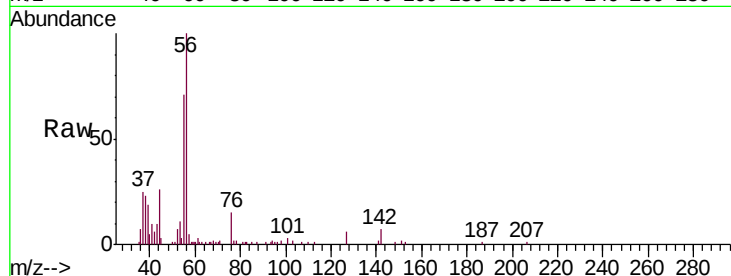
VSTDIC075

Tgt Ion: 56 Resp: 32693

Ion Ratio Lower Upper

56 100

55 70.9 56.6 85.0



#14

Allyl chloride

Concen: 72.494 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

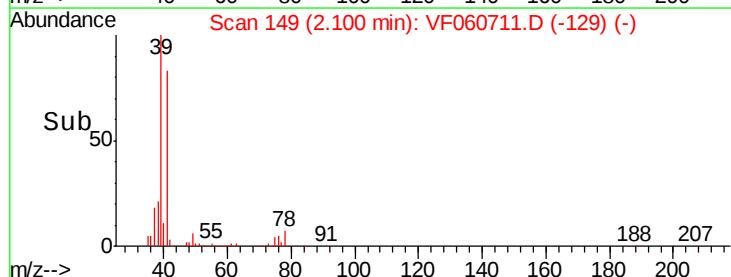
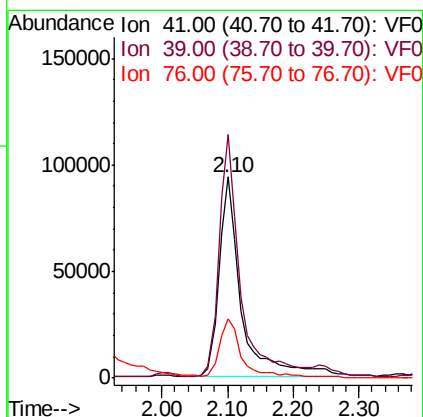
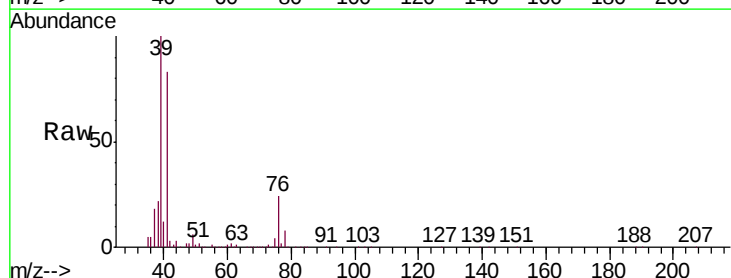
Tgt Ion: 41 Resp: 219482

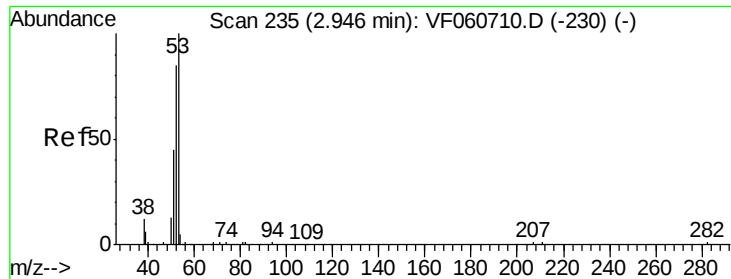
Ion Ratio Lower Upper

41 100

39 121.0 98.5 147.7

76 29.3 24.5 36.7





#15

Acrylonitrile

Concen: 333.564 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

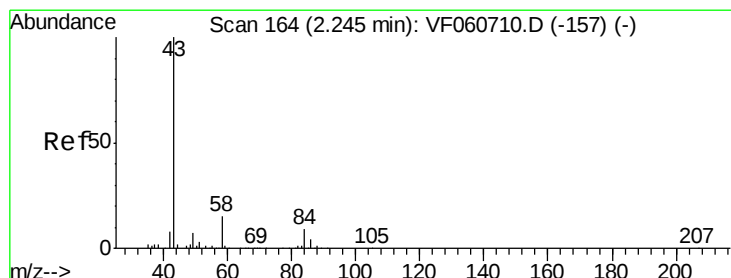
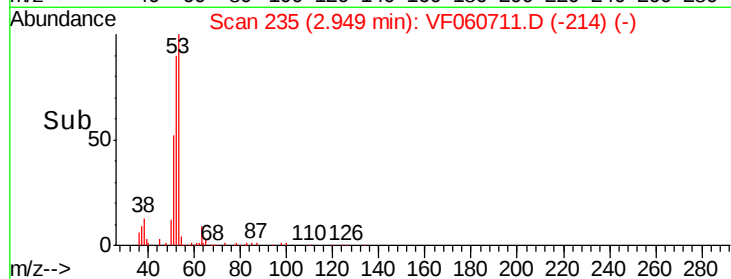
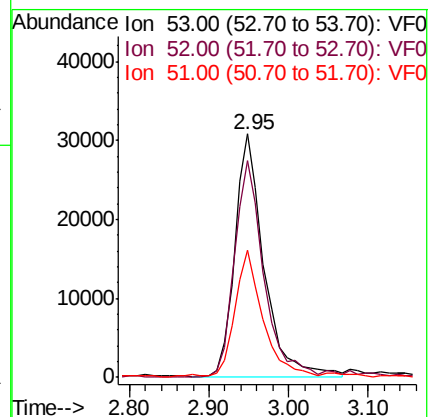
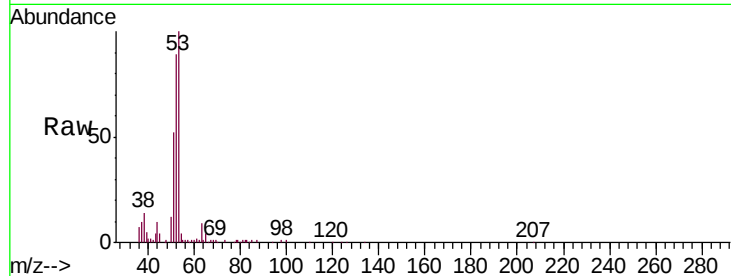
Tgt Ion: 53 Resp: 78159

Ion Ratio Lower Upper

53 100

52 88.9 68.8 103.2

51 52.3 36.7 55.1



#16

Acetone

Concen: 365.153 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF060711.D

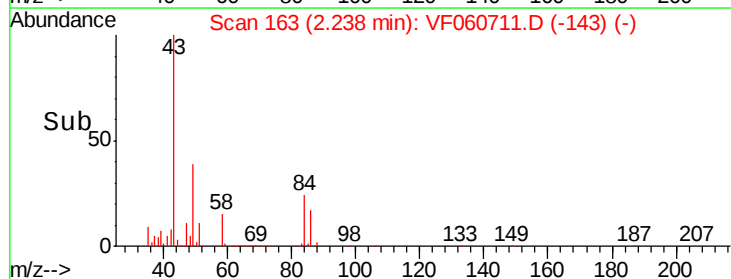
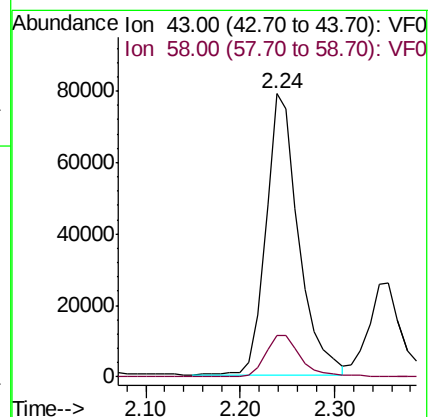
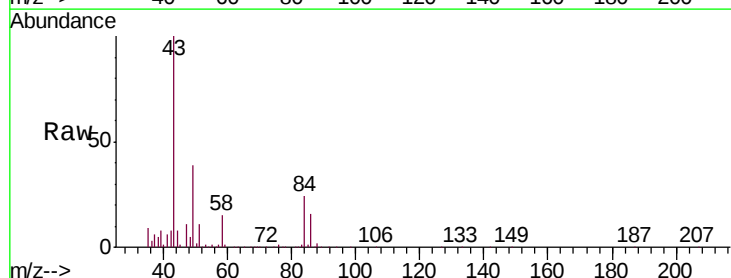
Acq: 13 Nov 2018 13:33

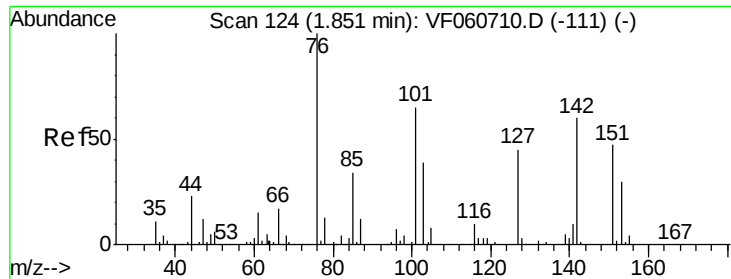
Tgt Ion: 43 Resp: 188580

Ion Ratio Lower Upper

43 100

58 14.9 11.6 17.4

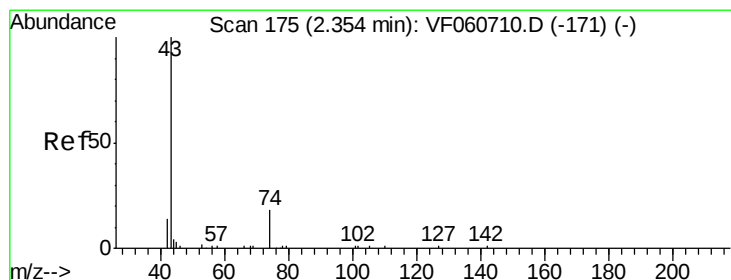
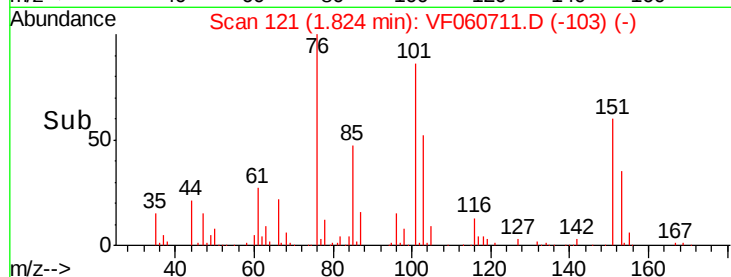
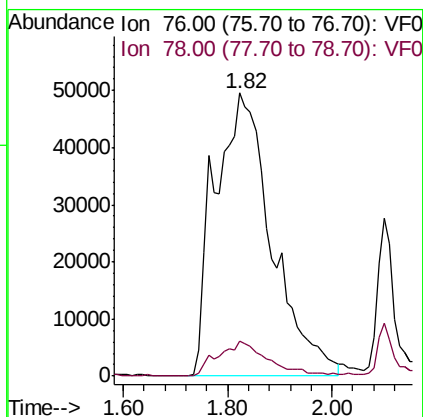
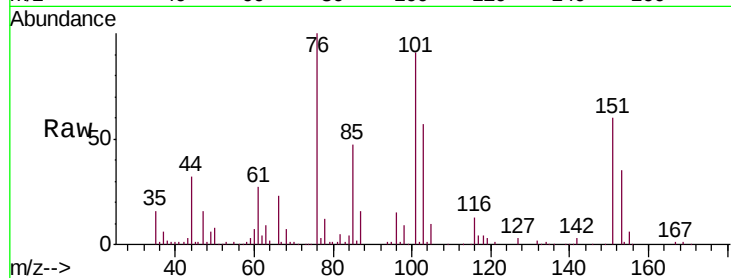




#17
Carbon Disulfide
Concen: 71.321 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.03 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

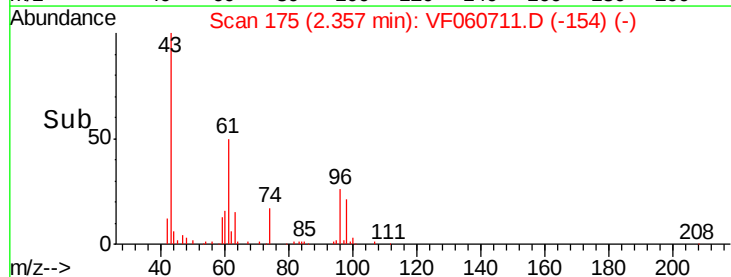
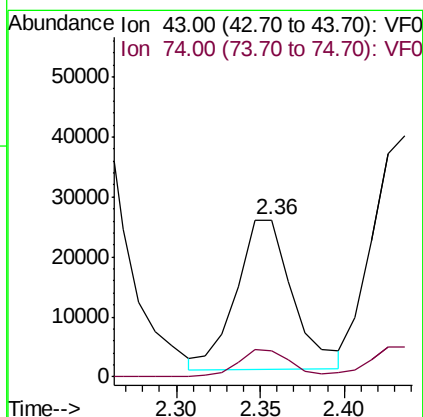
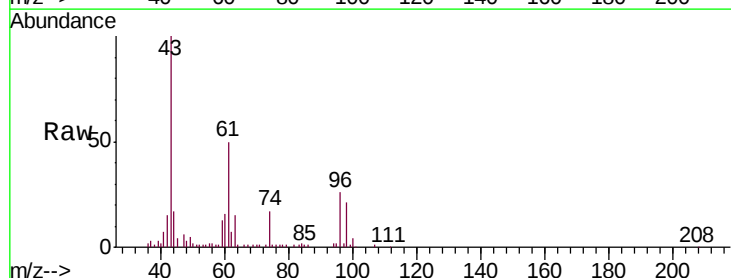
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

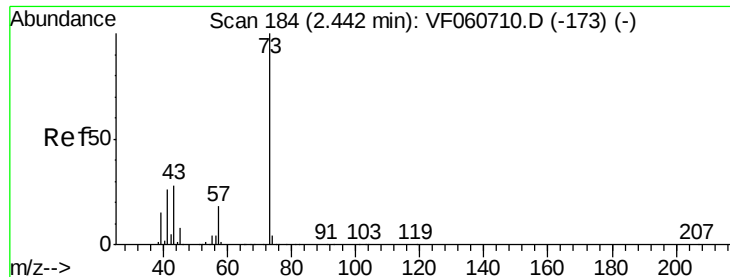
Tgt Ion: 76 Resp: 372282
Ion Ratio Lower Upper
76 100
78 12.4 10.5 15.7



#18
Methyl Acetate
Concen: 63.682 ug/l
RT: 2.36 min Scan# 175
Delta R.T. 0.00 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion: 43 Resp: 58672
Ion Ratio Lower Upper
43 100
74 16.9 11.8 17.8

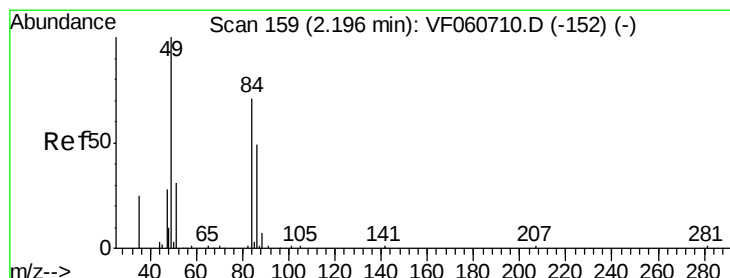
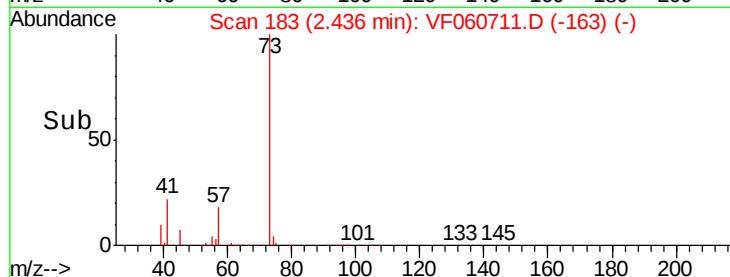
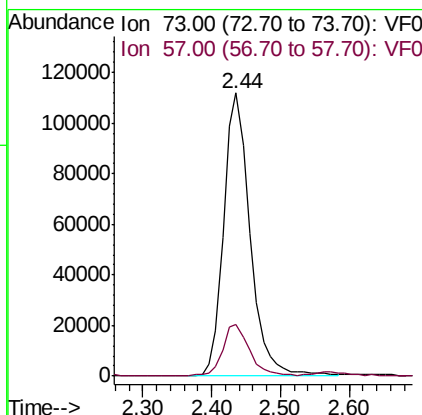
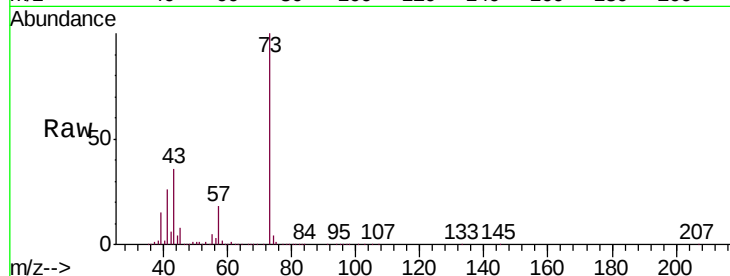




#19
Methyl tert-butyl Ether
Concen: 72.275 ug/l
RT: 2.44 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

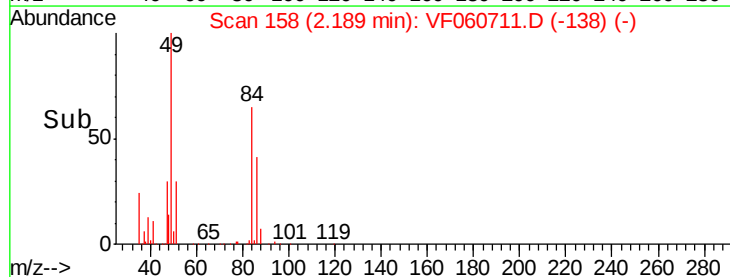
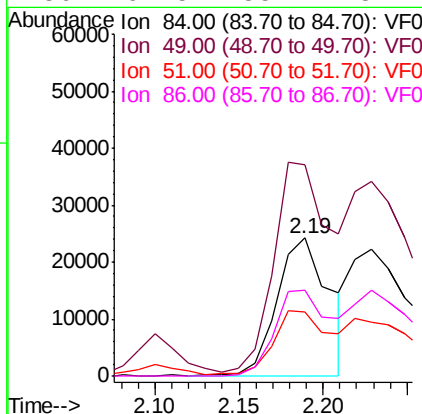
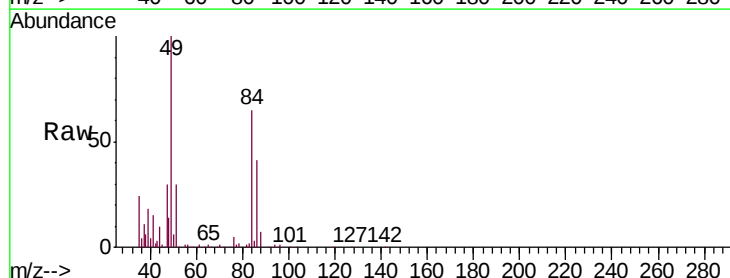
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

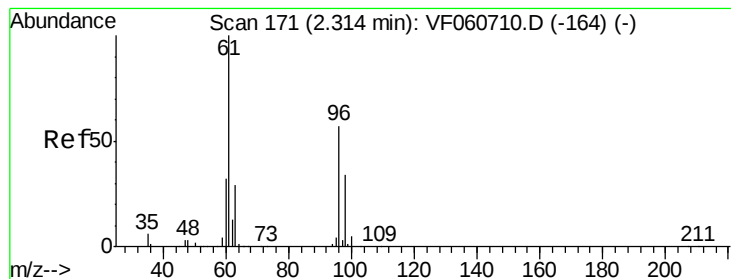
Tgt Ion: 73 Resp: 299648
Ion Ratio Lower Upper
73 100
57 18.1 14.3 21.5



#20
Methylene Chloride
Concen: 26.868 ug/l
RT: 2.19 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion: 84 Resp: 52480
Ion Ratio Lower Upper
84 100
49 153.1 120.2 180.4
51 46.1 37.2 55.8
86 62.5 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 70.222 ug/l

RT: 2.32 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

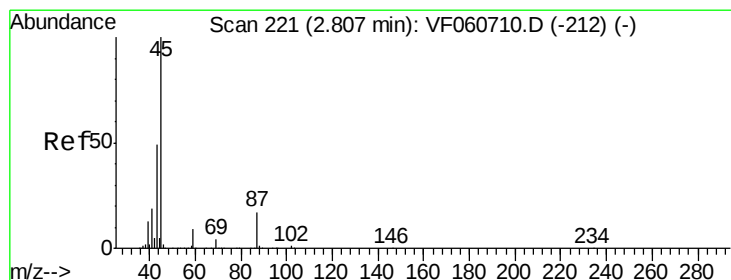
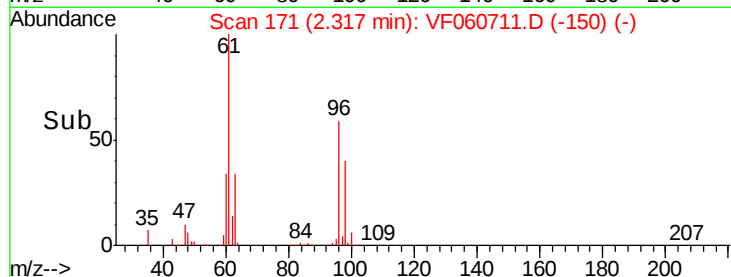
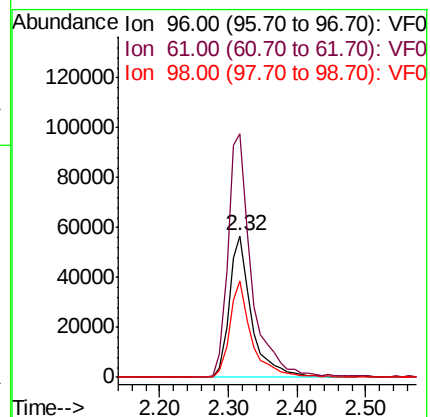
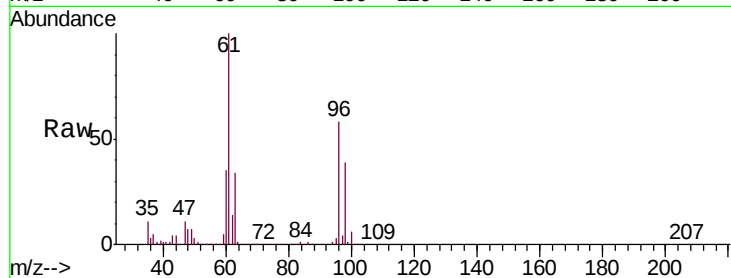
Tgt Ion: 96 Resp: 126792

Ion Ratio Lower Upper

96 100

61 172.4 141.6 212.4

98 68.0 47.4 71.0



#22

Diisopropyl ether

Concen: 70.752 ug/l

RT: 2.81 min Scan# 221

Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Tgt Ion: 45 Resp: 413557

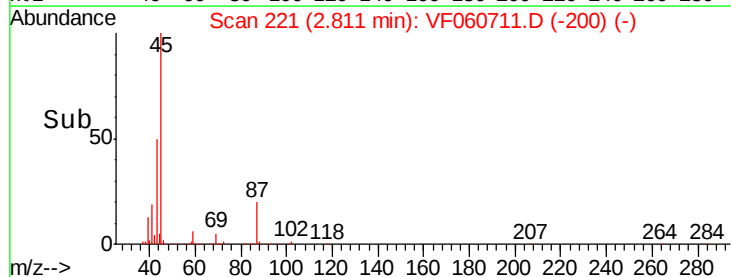
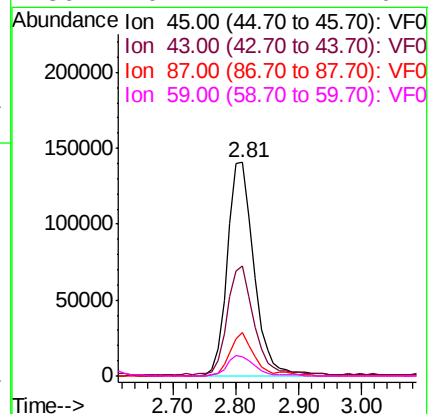
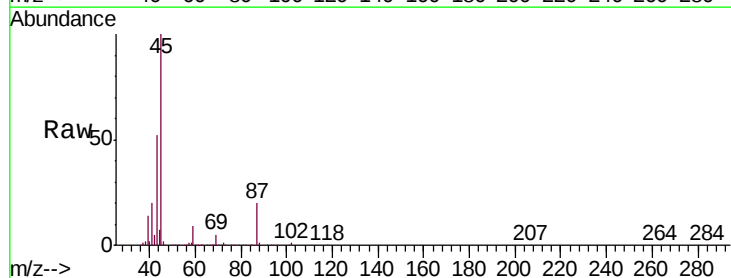
Ion Ratio Lower Upper

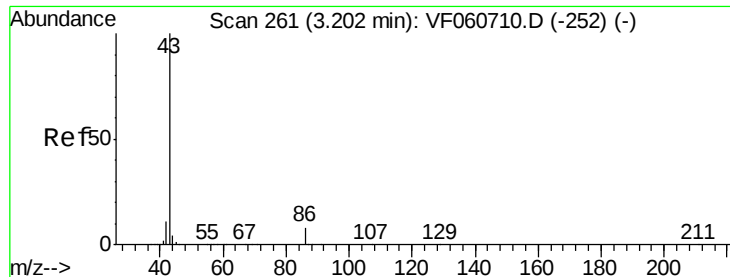
45 100

43 51.8 39.9 59.9

87 20.4 13.9 20.9

59 9.2 7.1 10.7





#23

Vinyl Acetate

Concen: 365.078 ug/l

RT: 3.20 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

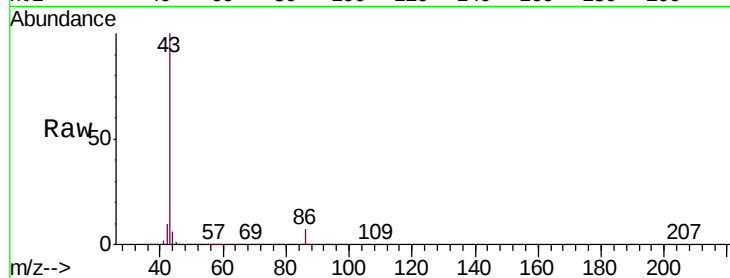
VSTDIC075

Tgt Ion: 43 Resp: 1004870

Ion Ratio Lower Upper

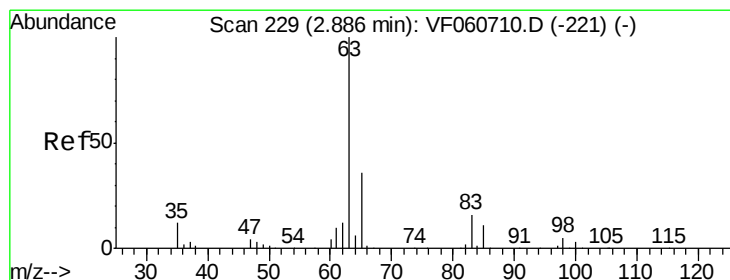
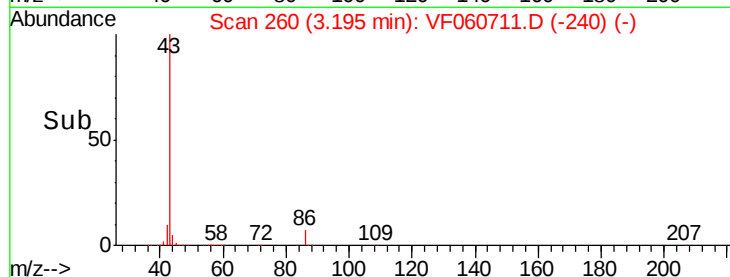
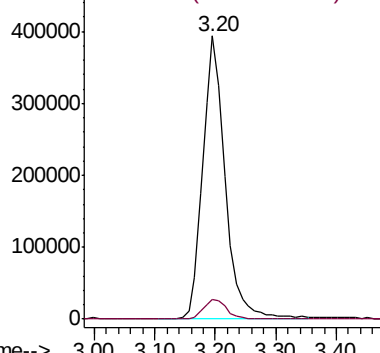
43 100

86 7.1 6.4 9.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 71.653 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

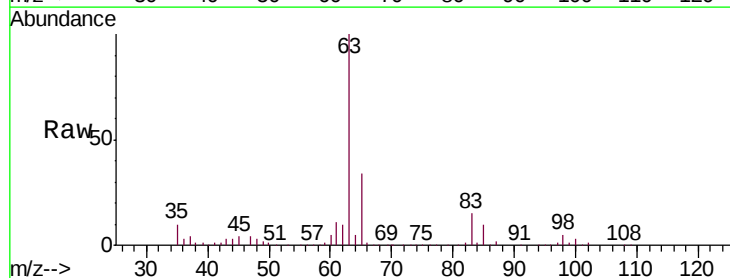
Tgt Ion: 63 Resp: 253564

Ion Ratio Lower Upper

63 100

98 4.8 2.4 7.1

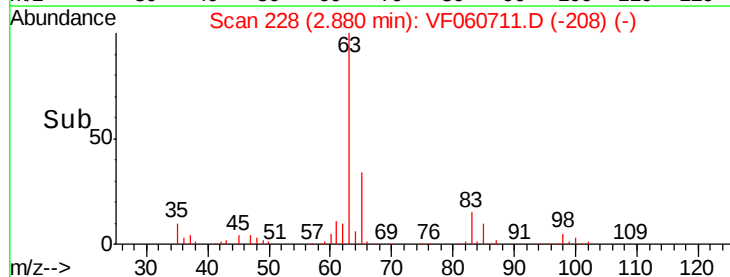
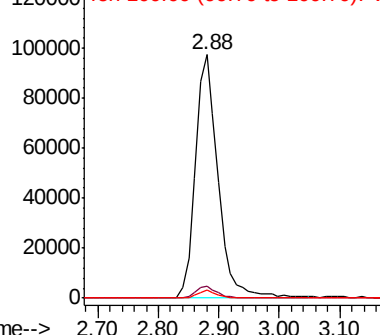
100 3.4 1.4 4.2

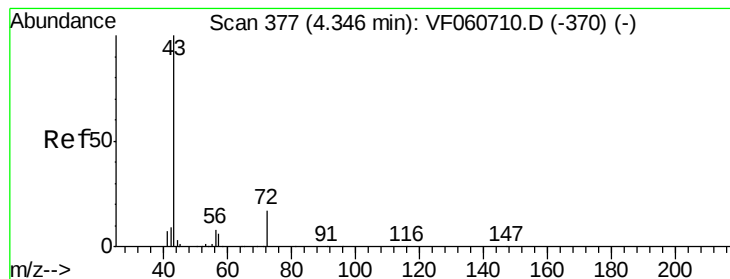


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 363.348 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

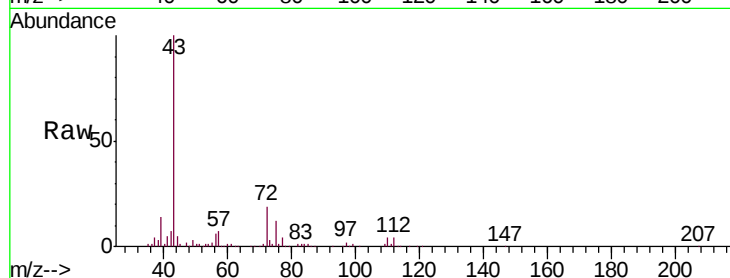
VSTDIC075

Tgt Ion: 43 Resp: 308650

Ion Ratio Lower Upper

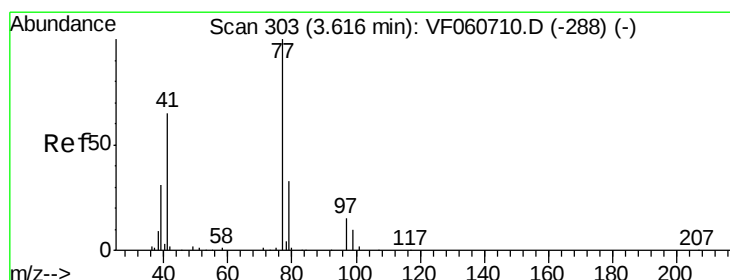
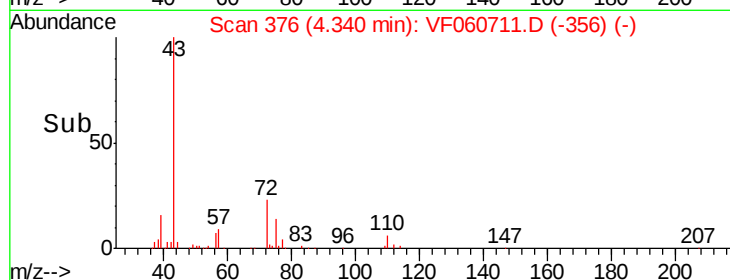
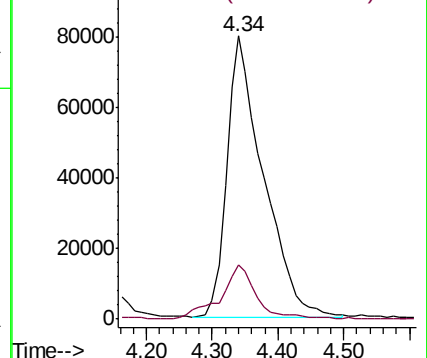
43 100

72 19.0 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 70.573 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.01 min

Lab File: VF060711.D

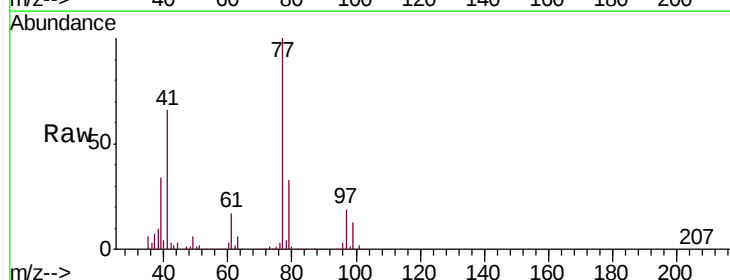
Acq: 13 Nov 2018 13:33

Tgt Ion: 77 Resp: 196528

Ion Ratio Lower Upper

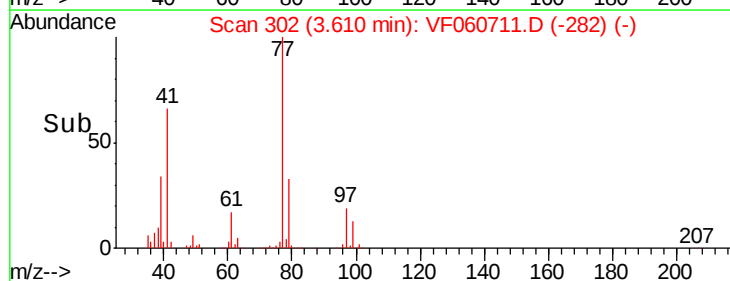
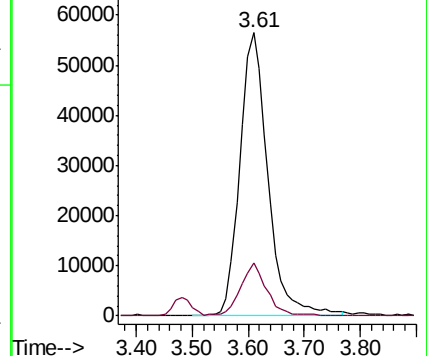
77 100

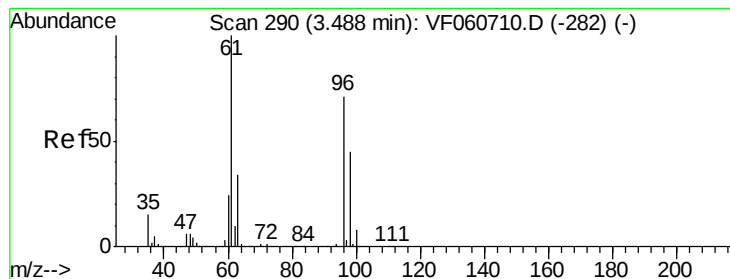
97 18.9 8.8 26.5



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



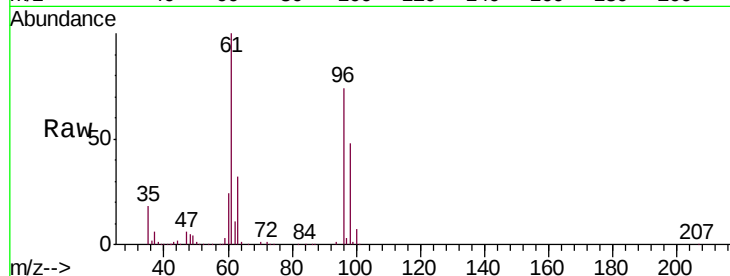


#27

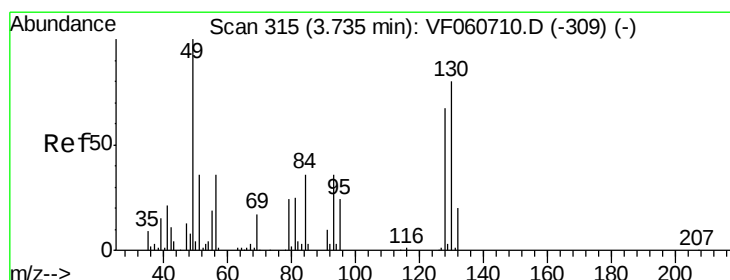
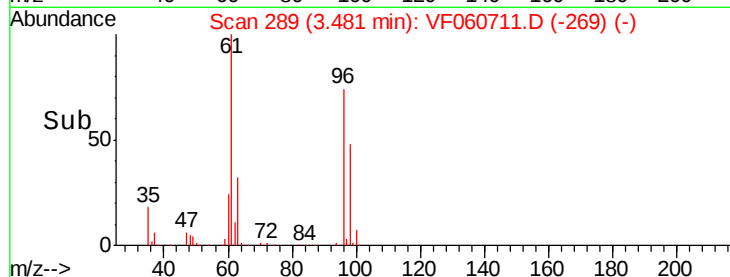
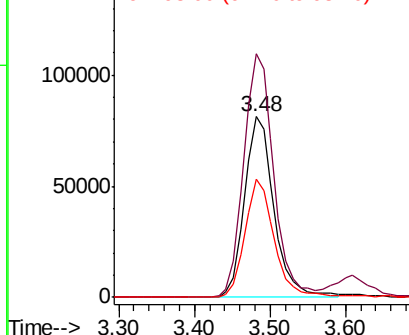
cis-1,2-Dichloroethene
Concen: 71.580 ug/l
RT: 3.48 min Scan# 289
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion: 96 Resp: 219862
Ion Ratio Lower Upper
96 100
61 135.1 0.0 280.6
98 65.3 0.0 127.6



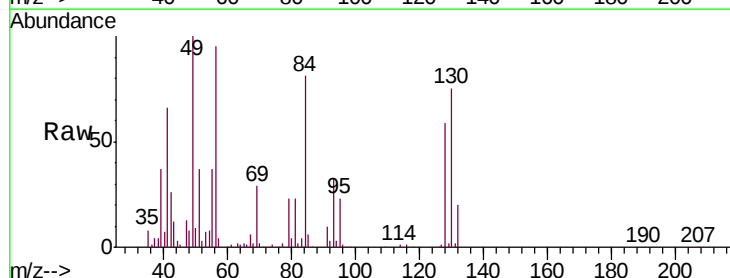
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



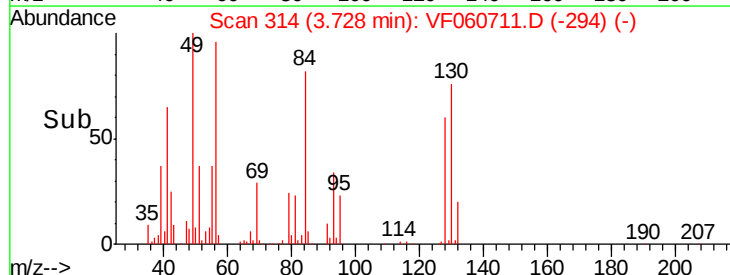
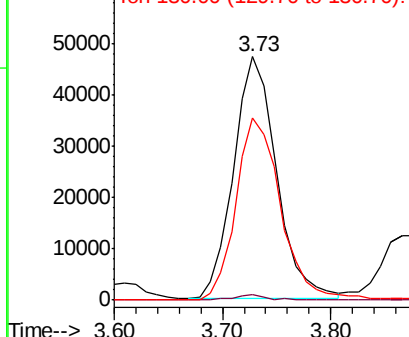
#28

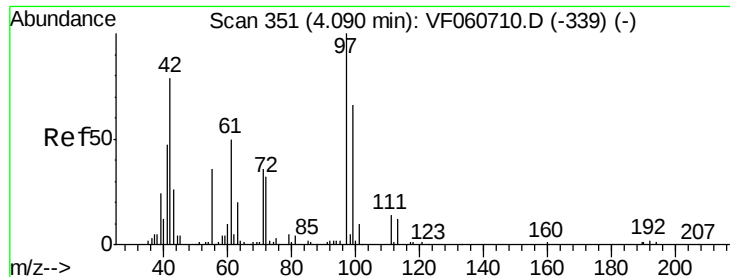
Bromochloromethane
Concen: 71.478 ug/l
RT: 3.73 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion: 49 Resp: 131454
Ion Ratio Lower Upper
49 100
129 2.5 0.0 5.2
130 75.1 63.9 95.9



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: 349.627 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

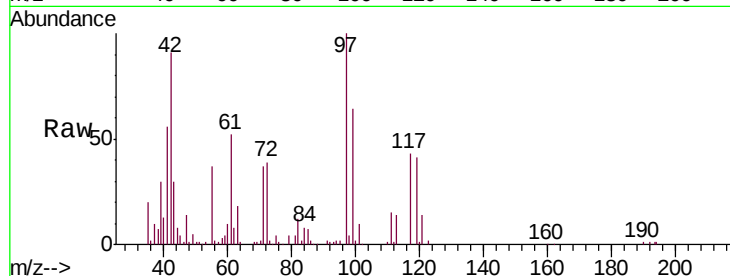
Tgt Ion: 42 Resp: 122505

Ion Ratio Lower Upper

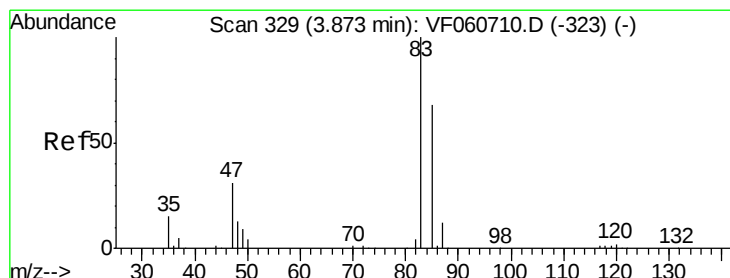
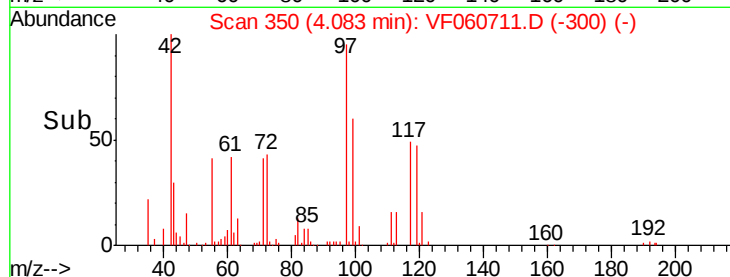
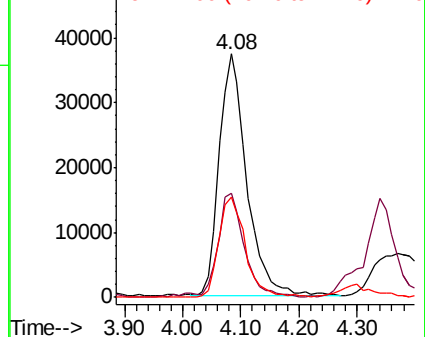
42 100

72 40.5 30.3 45.5

71 40.5 32.2 48.2



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: 69.819 ug/l

RT: 3.87 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF060711.D

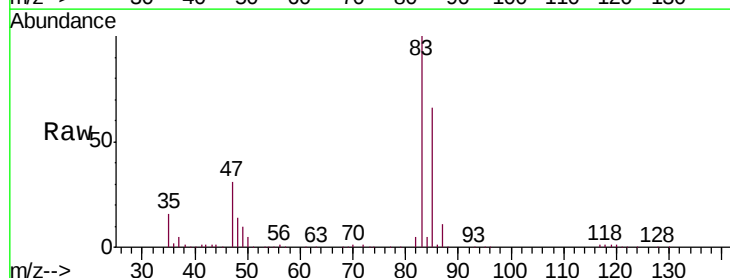
Acq: 13 Nov 2018 13:33

Tgt Ion: 83 Resp: 396419

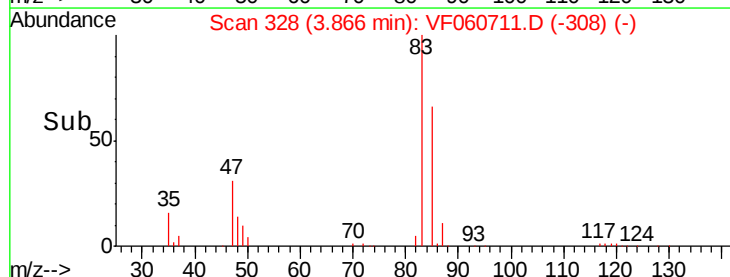
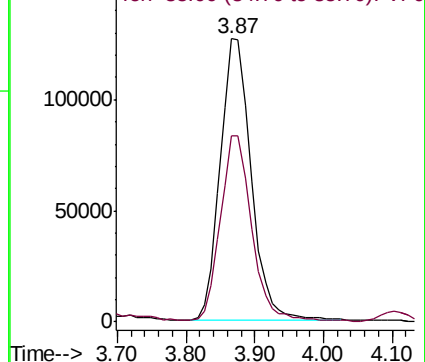
Ion Ratio Lower Upper

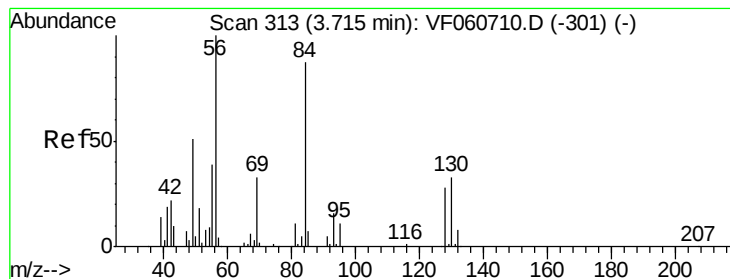
83 100

85 65.9 54.6 82.0



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





#31

Cyclohexane

Concen: 68.710 ug/l

RT: 3.70 min Scan# 311

Delta R.T. -0.02 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

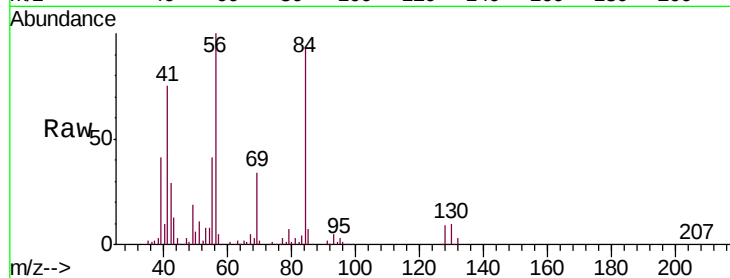
Tgt Ion: 56 Resp: 295106

Ion Ratio Lower Upper

56 100

69 33.6 26.0 39.0

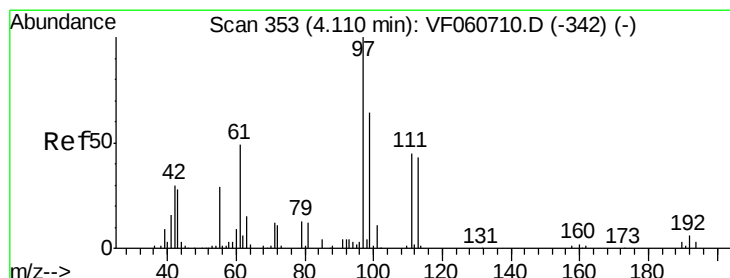
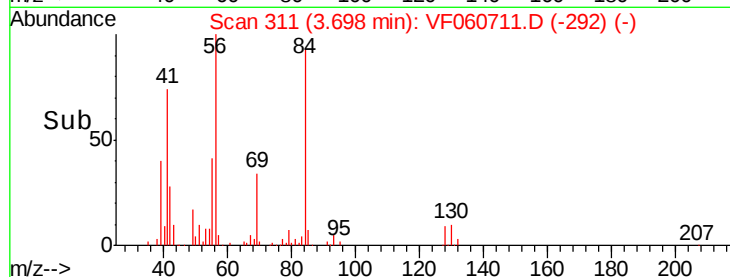
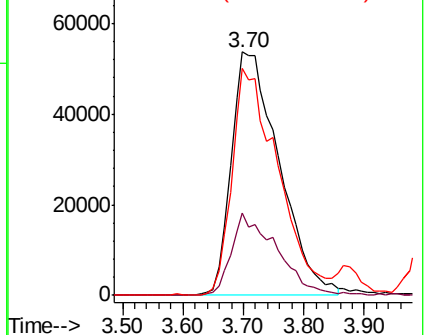
84 93.2 69.4 104.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 71.459 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

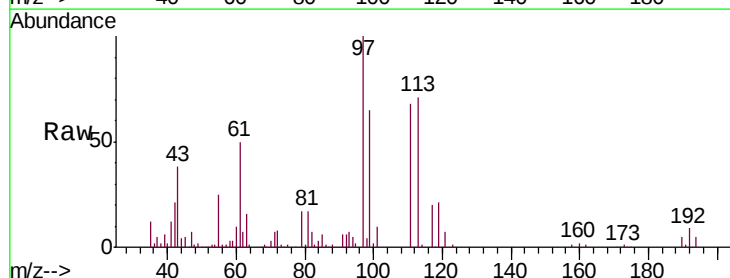
Tgt Ion: 97 Resp: 319509

Ion Ratio Lower Upper

97 100

99 65.5 51.1 76.7

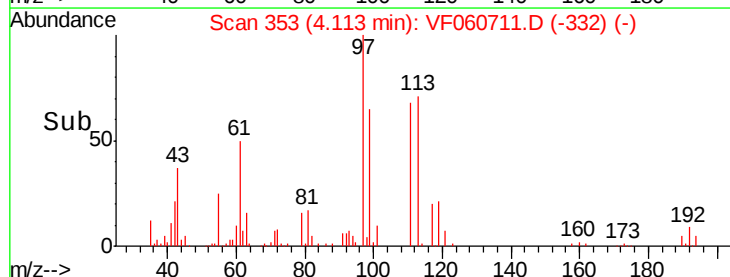
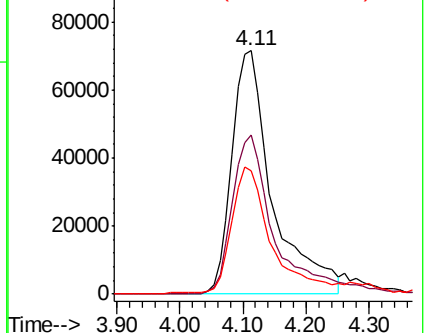
61 50.4 40.1 60.1

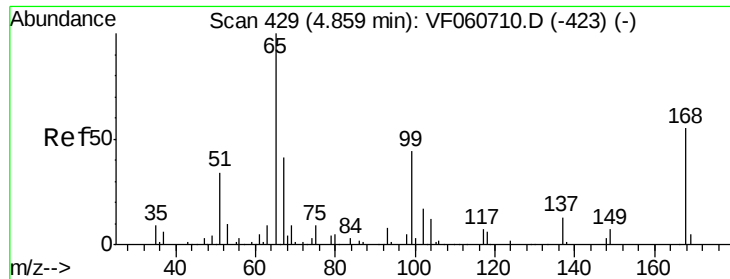


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 69.980 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

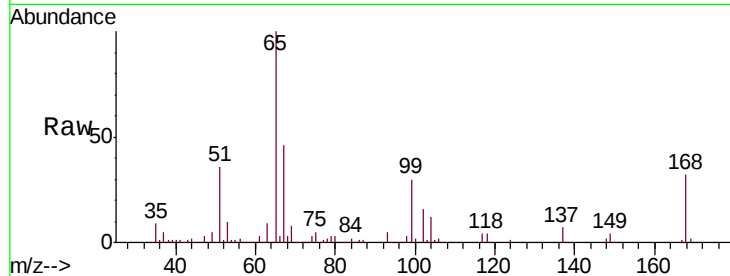
VSTDIC075

Tgt Ion: 65 Resp: 169085

Ion Ratio Lower Upper

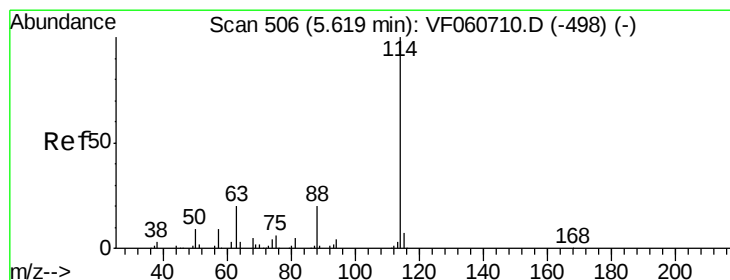
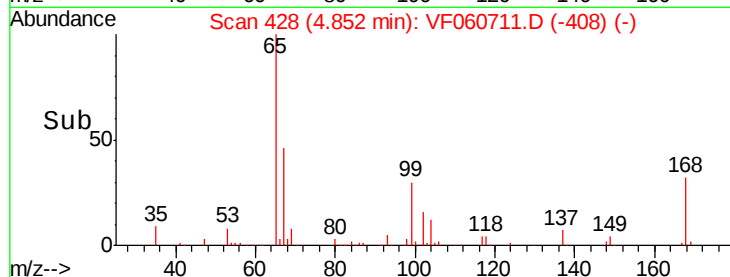
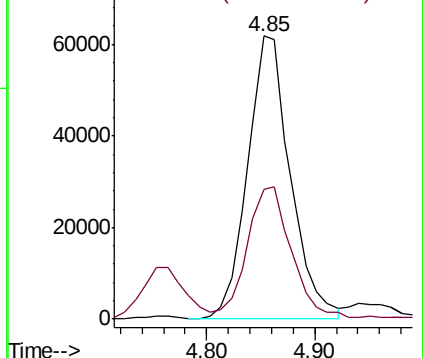
65 100

67 45.8 0.0 90.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

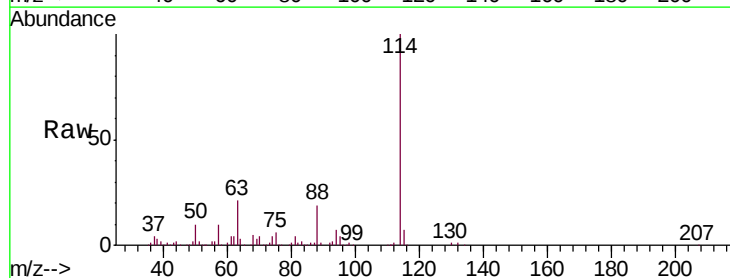
Tgt Ion: 114 Resp: 383439

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

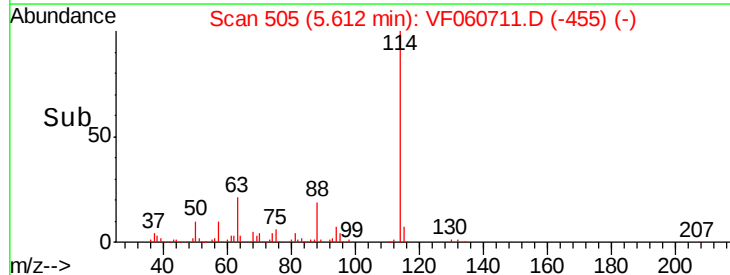
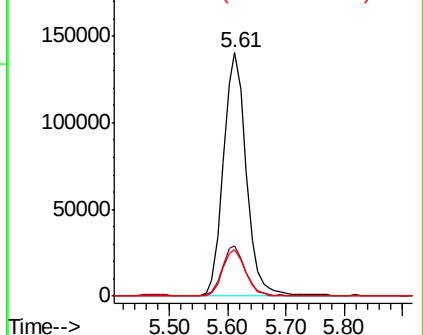
88 18.9 0.0 39.6

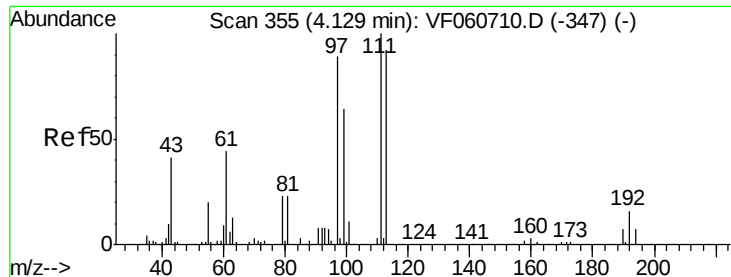


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

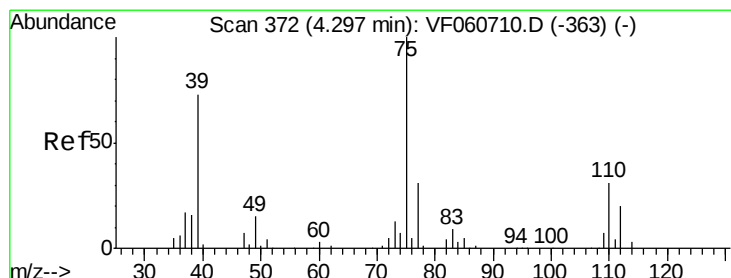
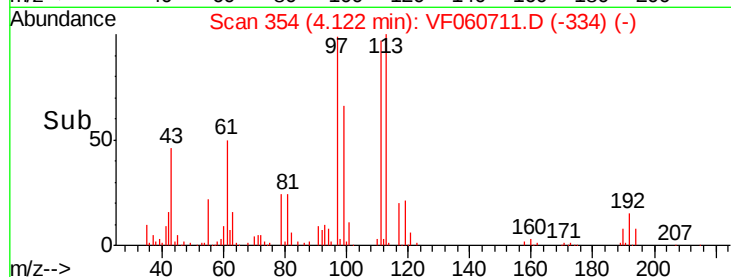
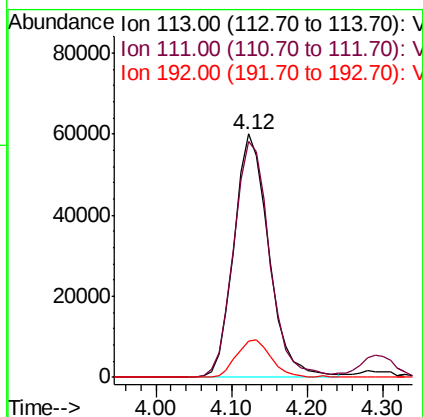
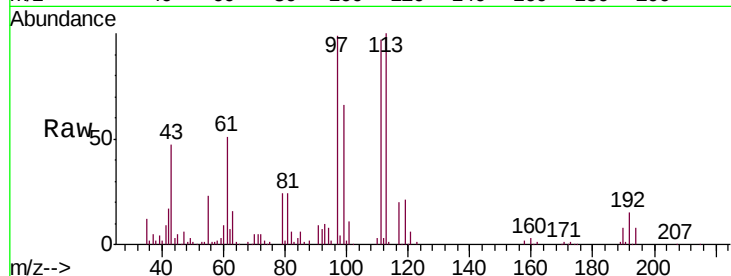




#35
Dibromofluoromethane
Concen: 66.461 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

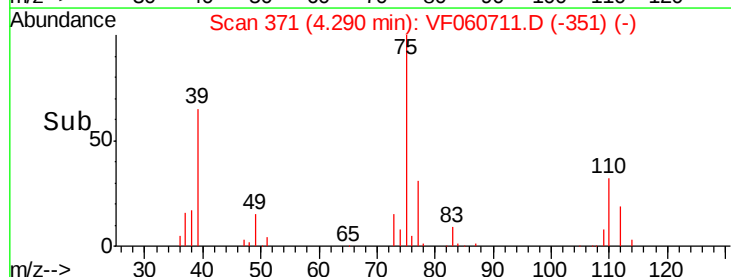
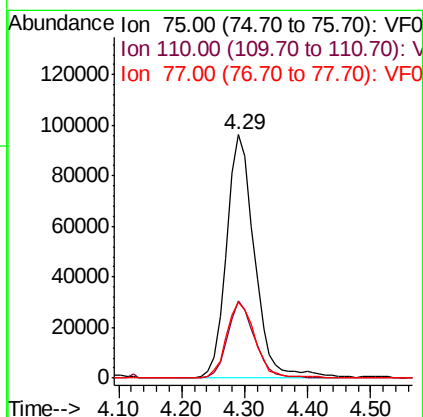
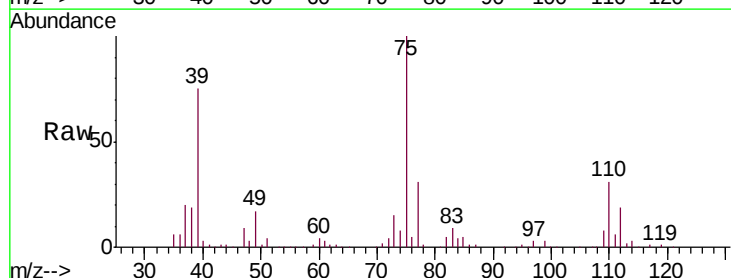
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

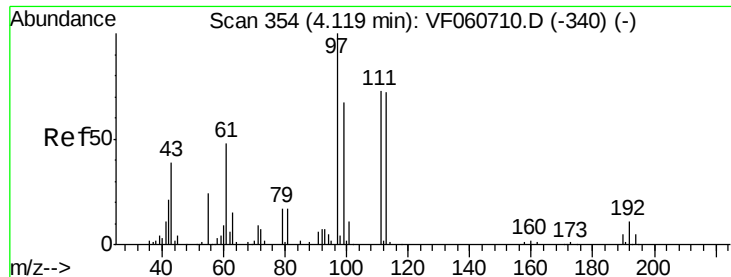
Tgt Ion	Ratio	Lower	Upper
113	100		
111	97.2	87.1	130.7
192	14.8	13.8	20.6



#36
1,1-Dichloropropene
Concen: 66.421 ug/l
RT: 4.29 min Scan# 371
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.5	15.6	46.8
77	31.1	25.0	37.6

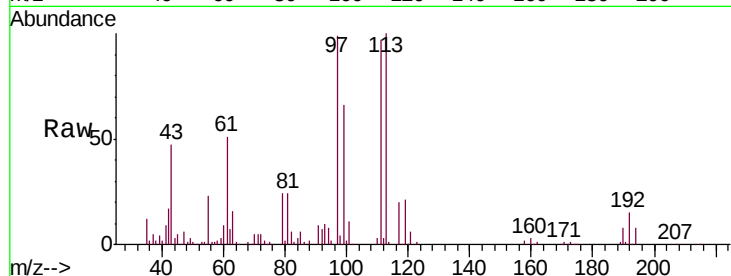




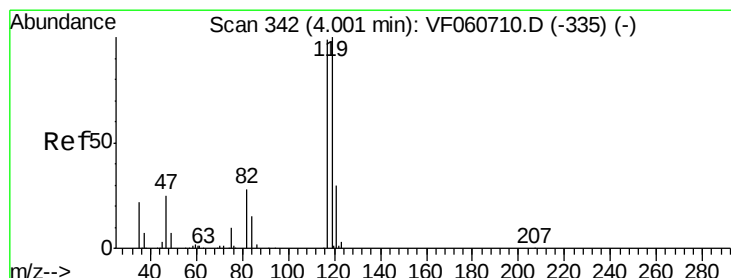
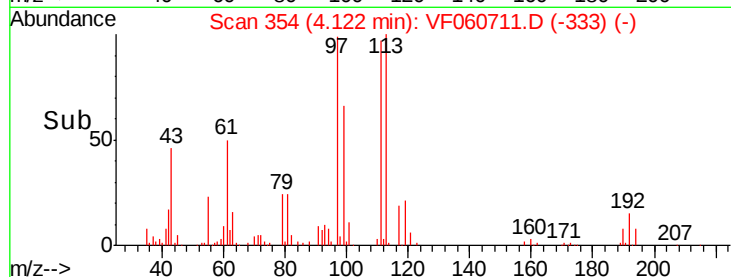
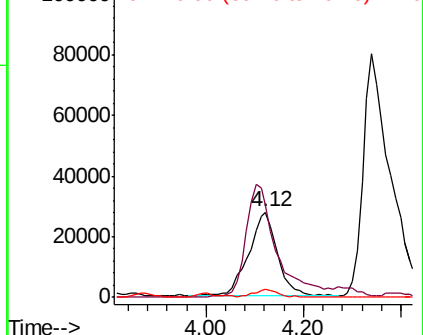
#37
Ethyl Acetate
Concen: 68.571 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion: 43 Resp: 113368
Ion Ratio Lower Upper
43 100
61 108.5 98.5 147.7
70 9.8 7.4 11.0

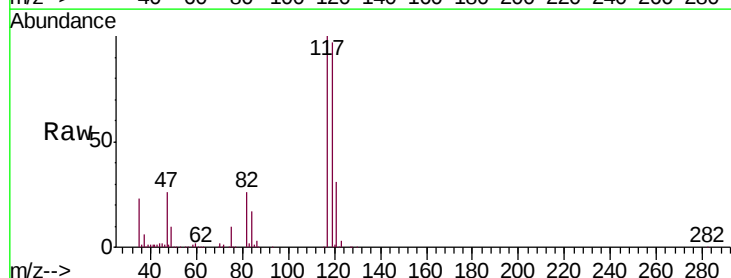


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

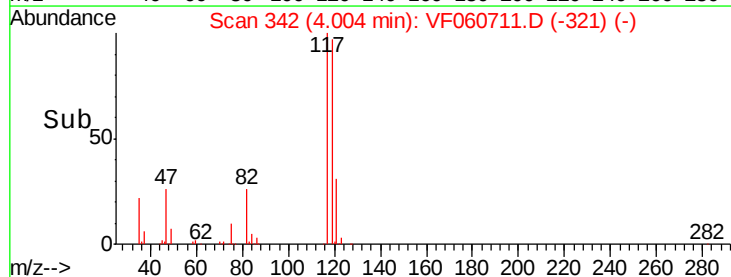
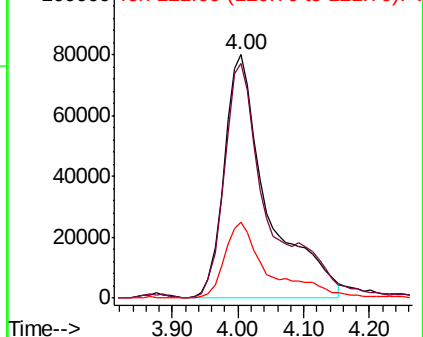


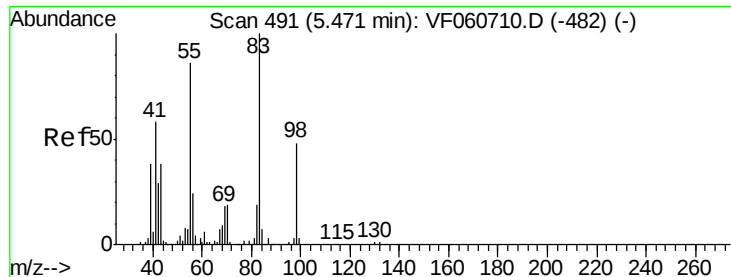
#38
Carbon Tetrachloride
Concen: 85.281 ug/l
RT: 4.00 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion: 117 Resp: 367987
Ion Ratio Lower Upper
117 100
119 96.6 80.7 121.1
121 31.2 24.3 36.5



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

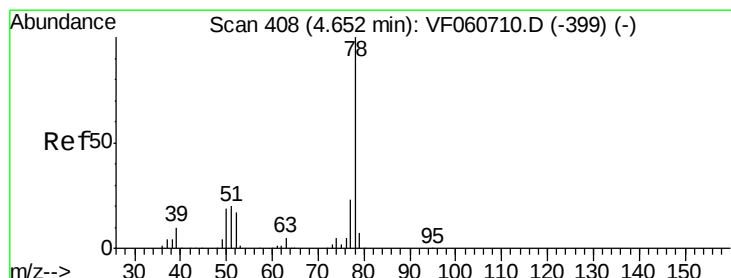
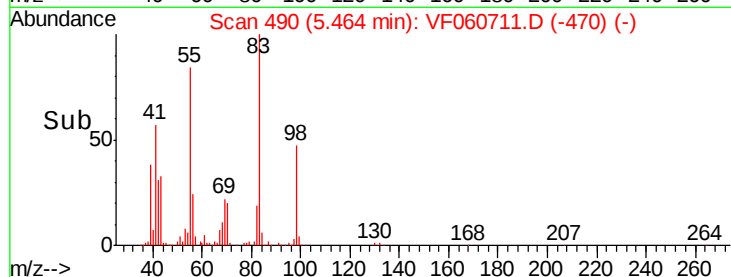
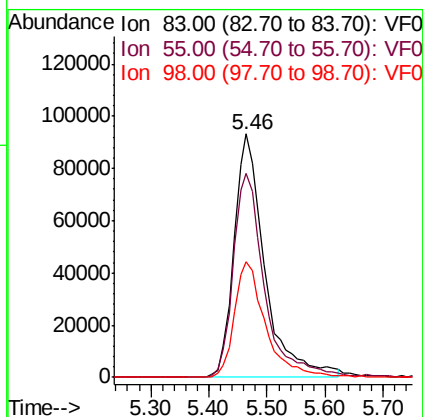
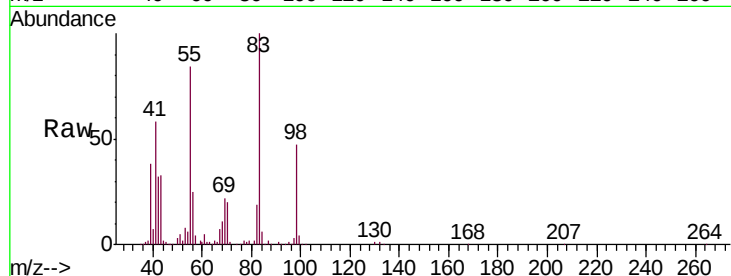




#39
Methylcyclohexane
Concen: 66.449 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

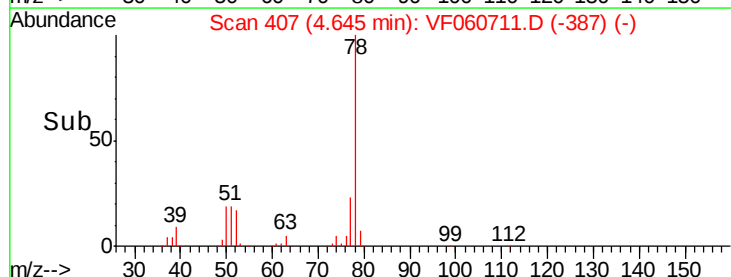
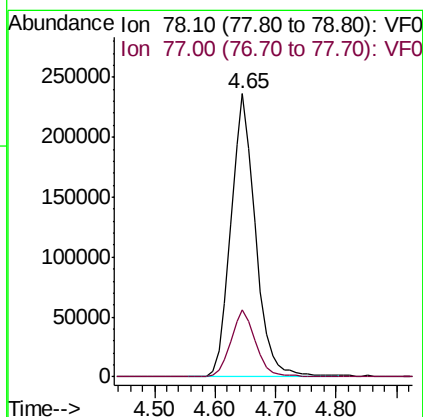
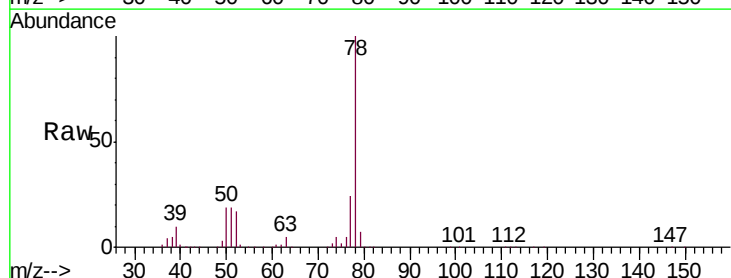
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

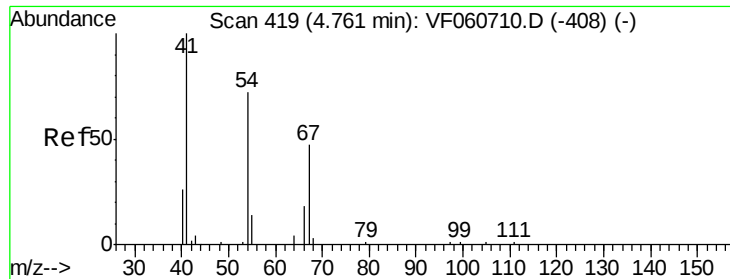
Tgt Ion: 83 Resp: 342819
Ion Ratio Lower Upper
83 100
55 83.9 69.0 103.4
98 47.3 38.5 57.7



#40
Benzene
Concen: 67.322 ug/l
RT: 4.65 min Scan# 407
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion: 78 Resp: 667351
Ion Ratio Lower Upper
78 100
77 23.5 18.6 28.0





#41

Methacrylonitrile

Concen: 62.352 ug/l

RT: 4.75 min Scan# 418

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 41 Resp: 62449

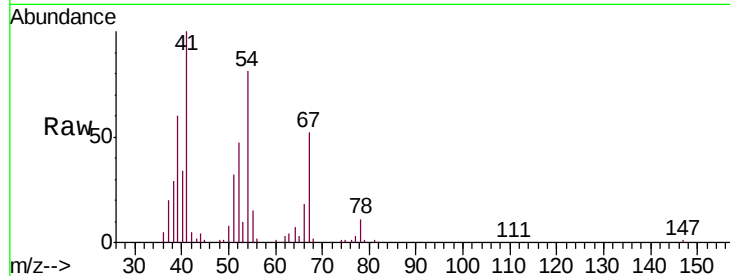
Ion Ratio Lower Upper

41 100

39 60.2 47.1 70.7

67 52.0 37.1 55.7

52 46.6 39.3 58.9

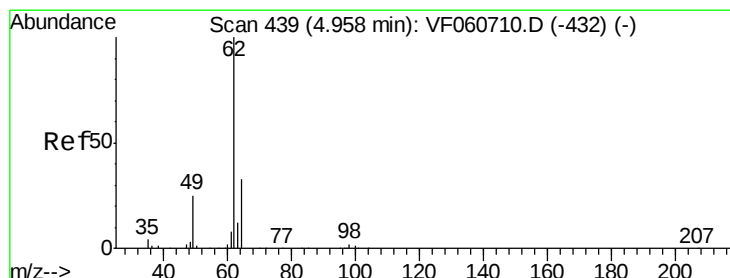
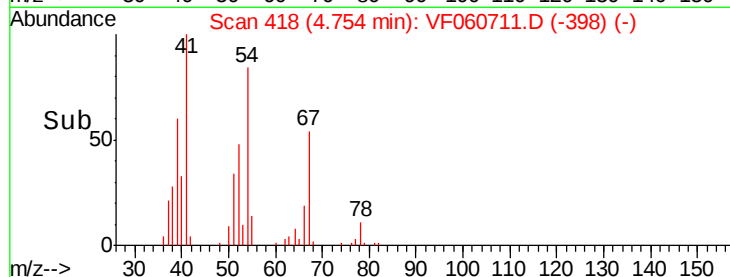
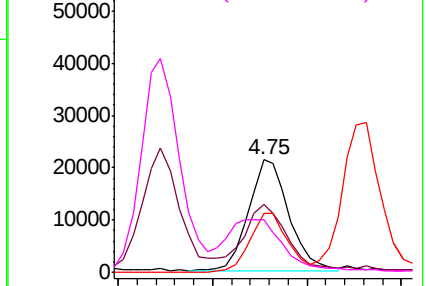


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 70.953 ug/l

RT: 4.95 min Scan# 438

Delta R.T. -0.01 min

Lab File: VF060711.D

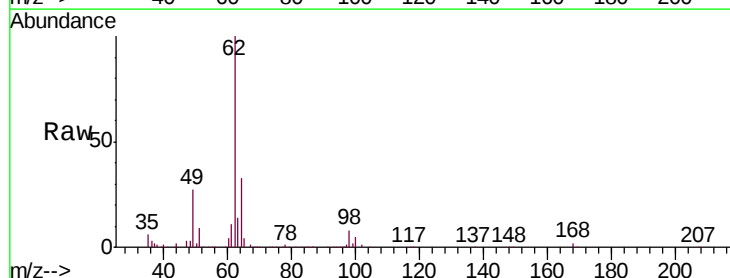
Acq: 13 Nov 2018 13:33

Tgt Ion: 62 Resp: 243059

Ion Ratio Lower Upper

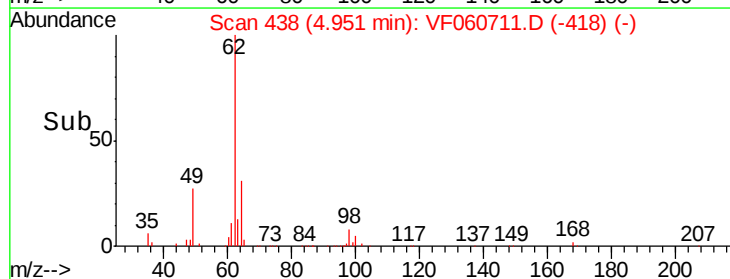
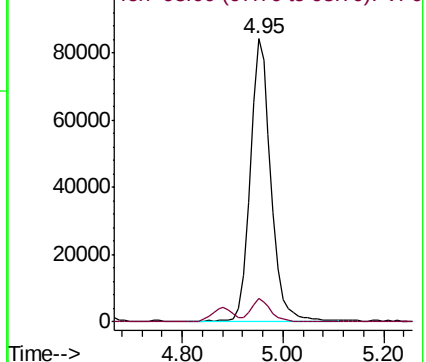
62 100

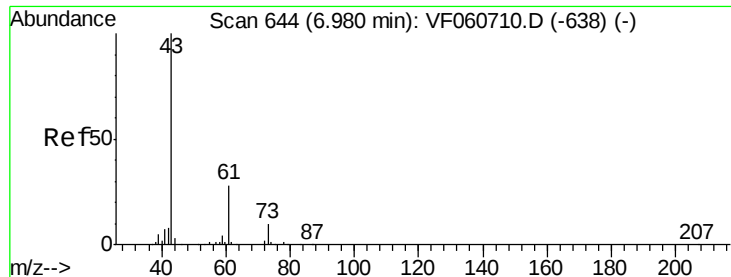
98 8.1 0.0 16.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 73.828 ug/l

RT: 6.97 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

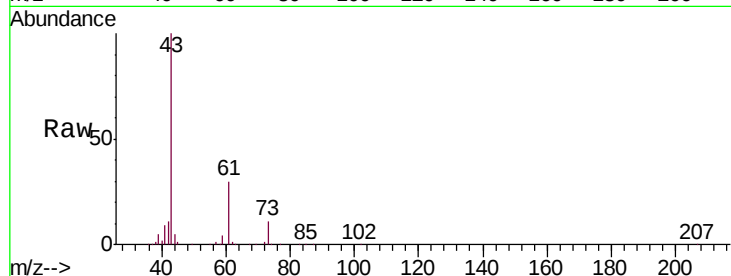
Tgt Ion: 43 Resp: 161834

Ion Ratio Lower Upper

43 100

61 30.0 22.2 33.4

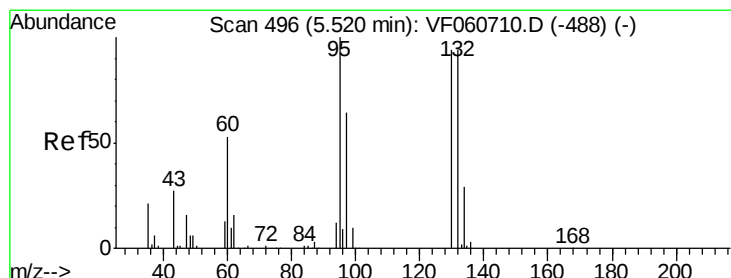
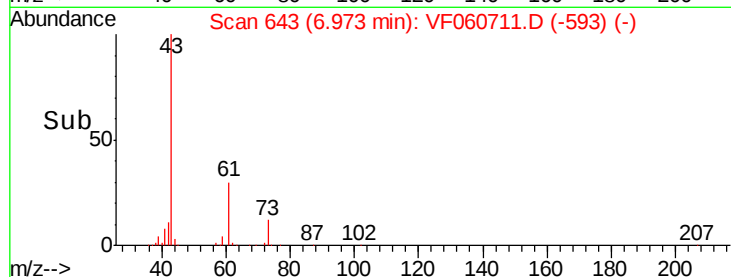
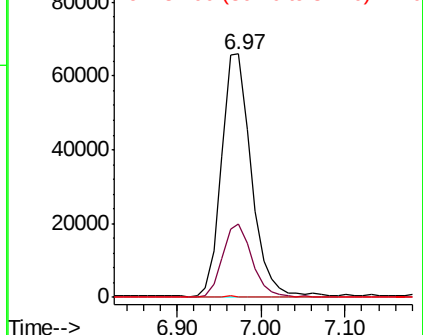
87 0.2 0.4 0.6#



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: 64.673 ug/l

RT: 5.51 min Scan# 495

Delta R.T. -0.01 min

Lab File: VF060711.D

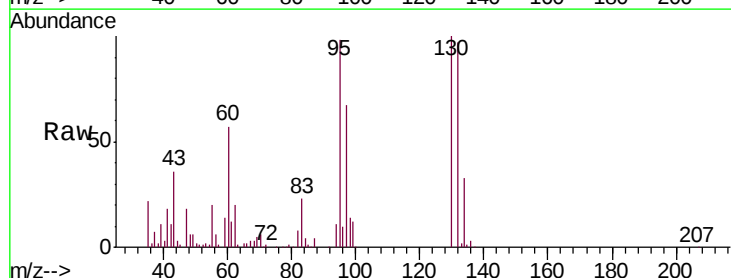
Acq: 13 Nov 2018 13:33

Tgt Ion: 130 Resp: 202269

Ion Ratio Lower Upper

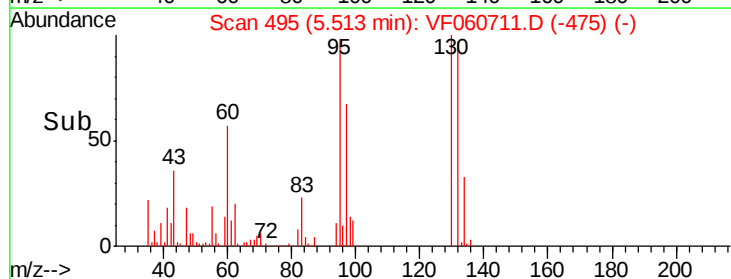
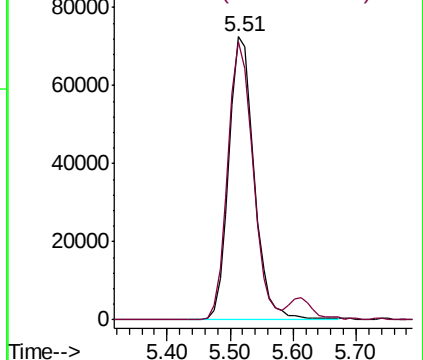
130 100

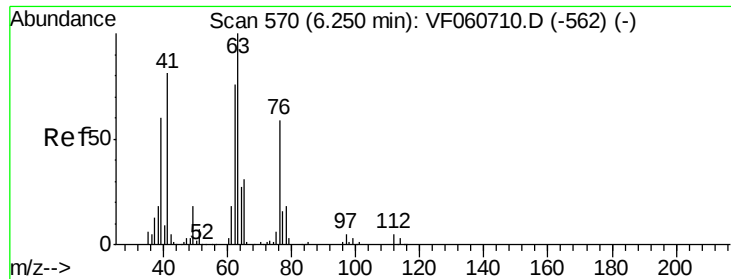
95 98.3 0.0 212.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 67.803 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

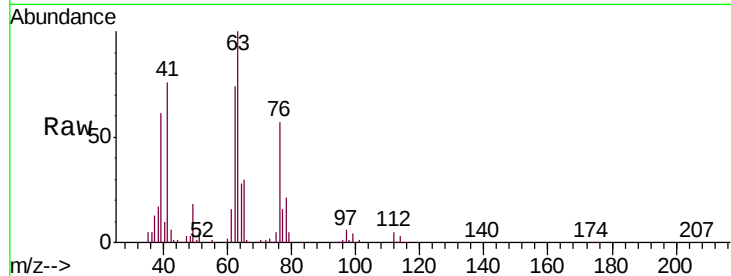
VSTDIC075

Tgt Ion: 63 Resp: 174898

Ion Ratio Lower Upper

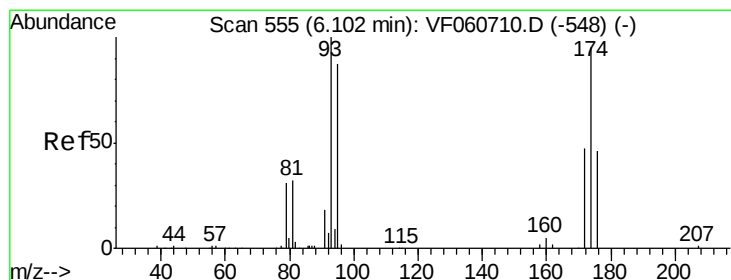
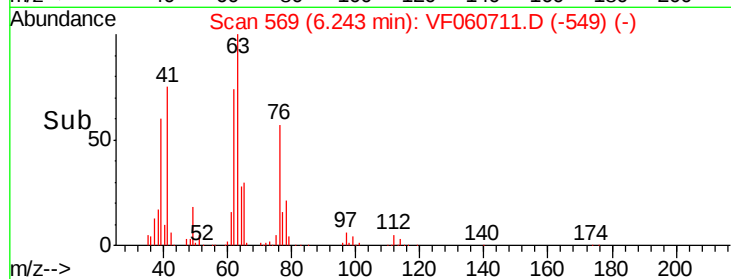
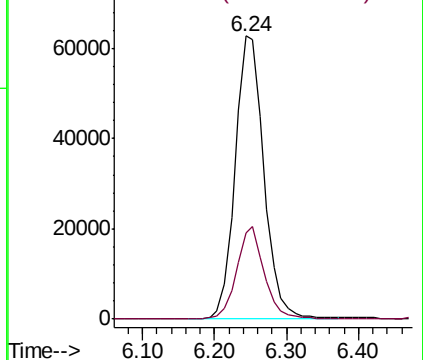
63 100

65 30.5 24.6 36.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 70.101 ug/l

RT: 6.10 min Scan# 554

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

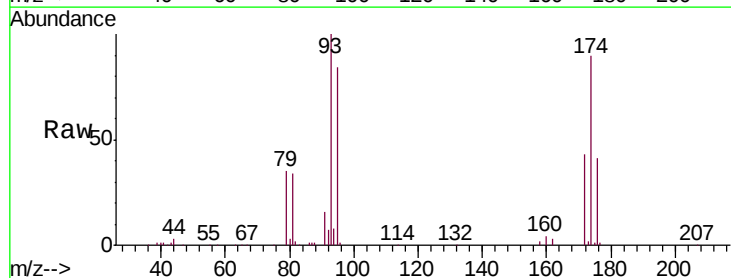
Tgt Ion: 93 Resp: 119365

Ion Ratio Lower Upper

93 100

95 84.1 69.5 104.3

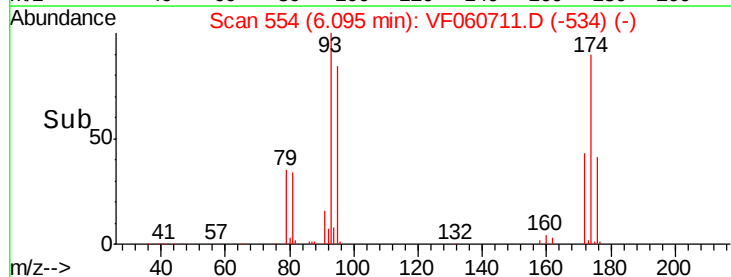
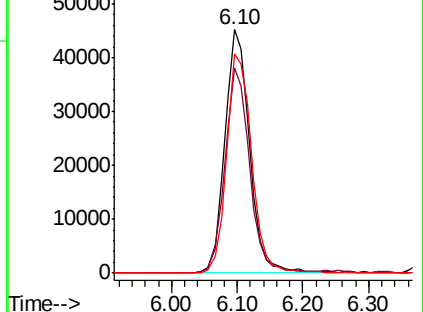
174 90.3 76.2 114.2

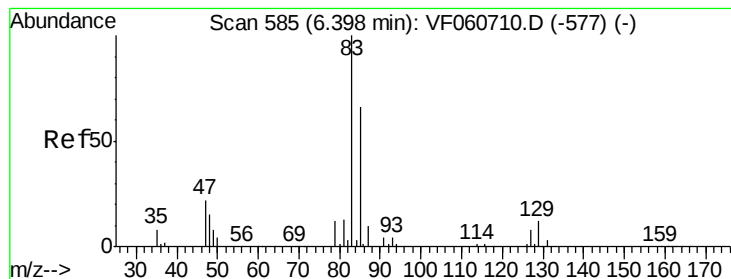


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 68.649 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

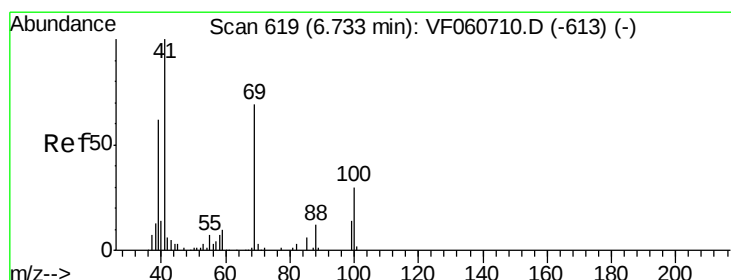
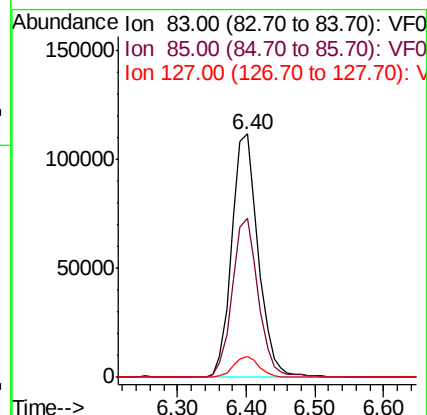
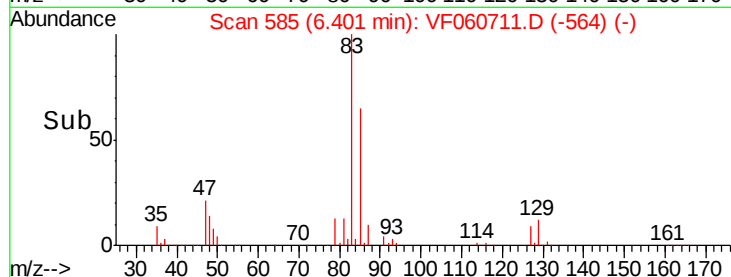
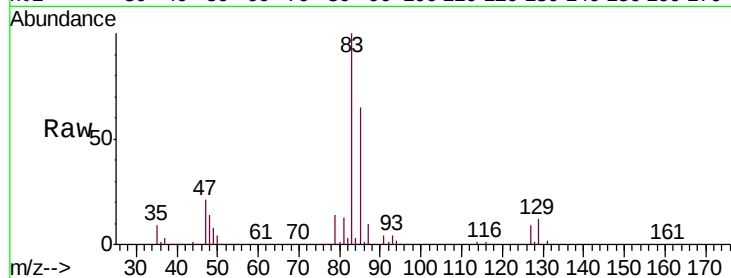
Tgt Ion: 83 Resp: 298502

Ion Ratio Lower Upper

83 100

85 65.3 52.4 78.6

127 8.8 6.8 10.2



#48

Methyl methacrylate

Concen: 71.602 ug/l

RT: 6.73 min Scan# 618

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

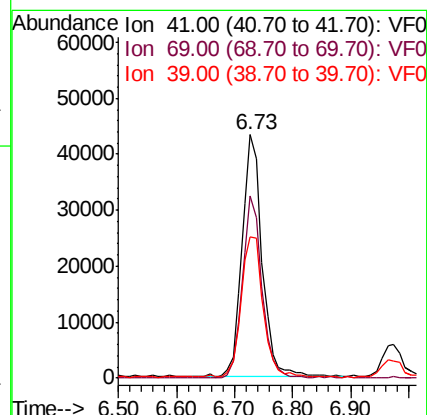
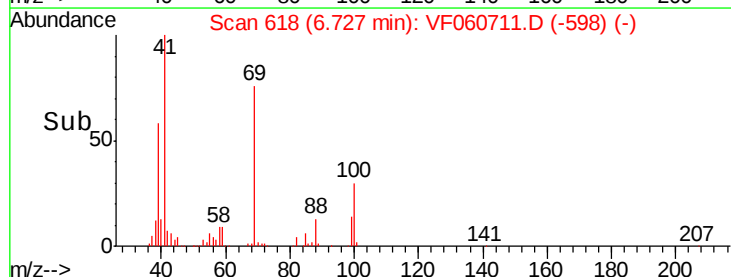
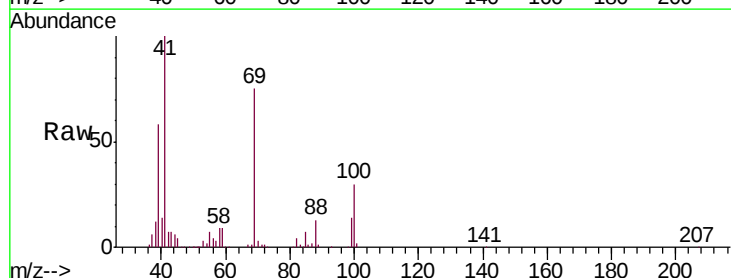
Tgt Ion: 41 Resp: 103876

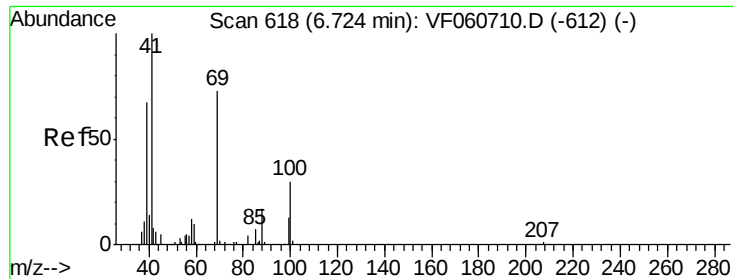
Ion Ratio Lower Upper

41 100

69 74.7 54.9 82.3

39 57.9 49.6 74.4





#49

1,4-Dioxane

Concen: 1441.270 ug/l

RT: 6.72 min Scan# 617

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

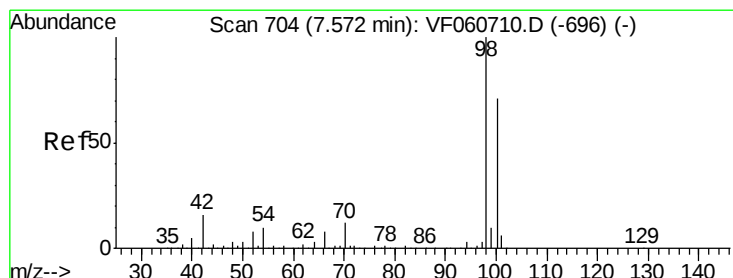
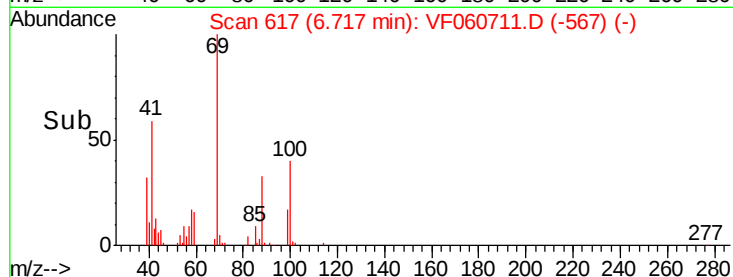
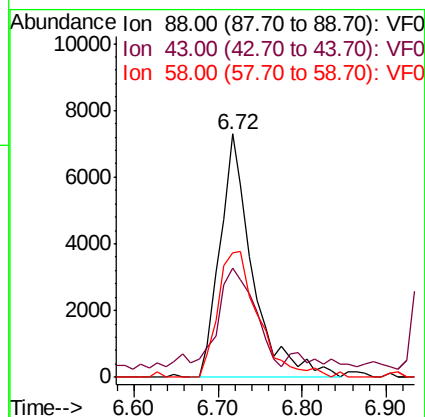
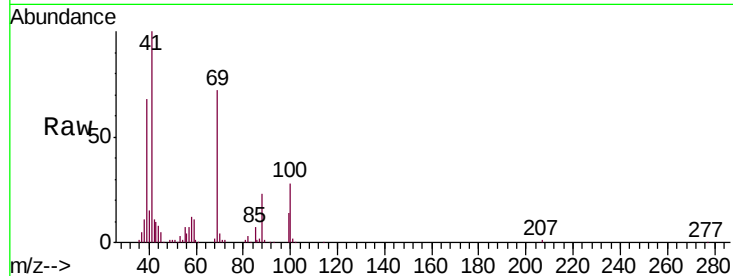
Tgt Ion: 88 Resp: 19555

Ion Ratio Lower Upper

88 100

43 44.8 44.6 66.8

58 51.1 54.5 81.7#



#50

Toluene-d8

Concen: 63.597 ug/l

RT: 7.57 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF060711.D

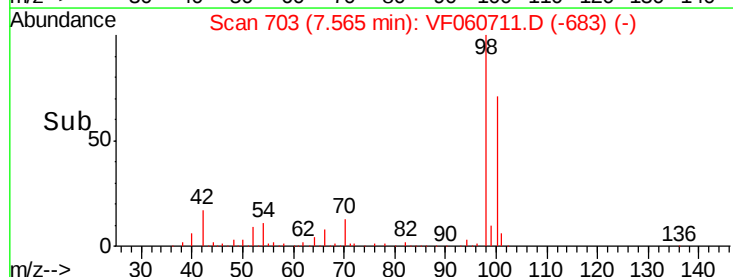
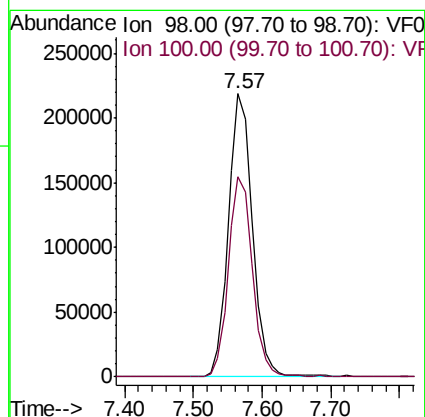
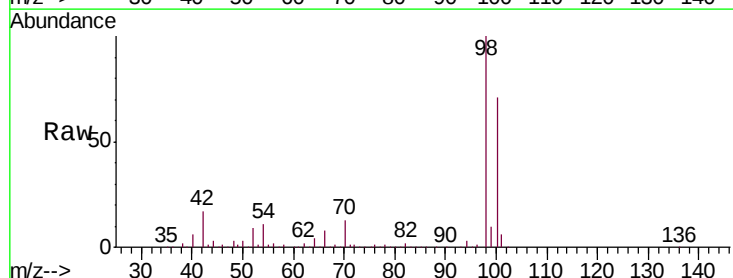
Acq: 13 Nov 2018 13:33

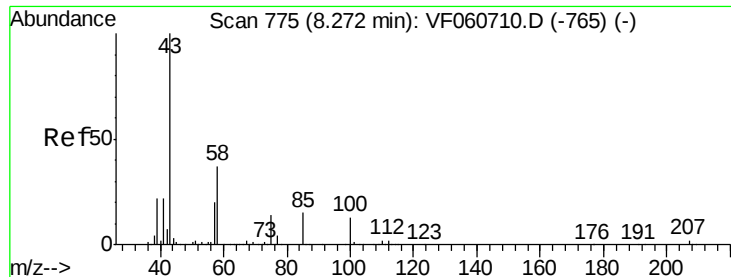
Tgt Ion: 98 Resp: 529286

Ion Ratio Lower Upper

98 100

100 70.6 56.5 84.7





#51

4-Methyl-2-Pentanone

Concen: 330.728 ug/l

RT: 8.27 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

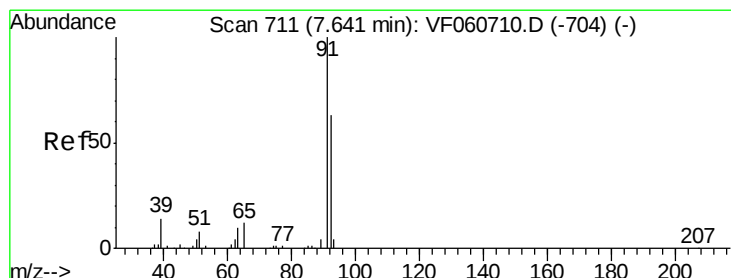
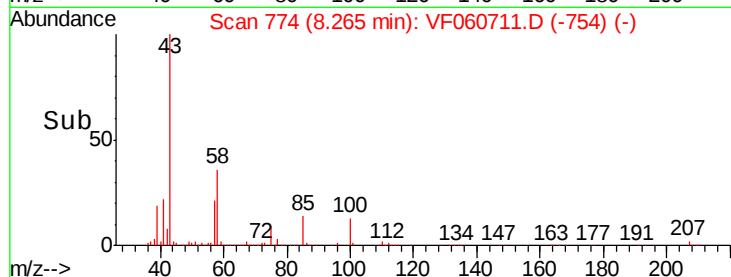
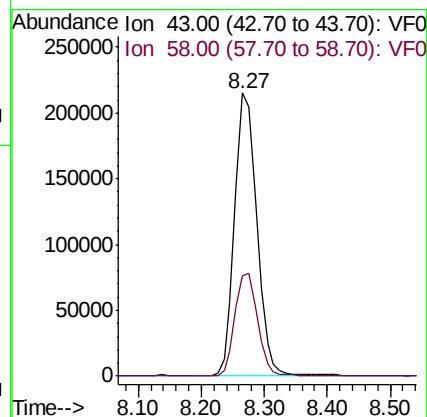
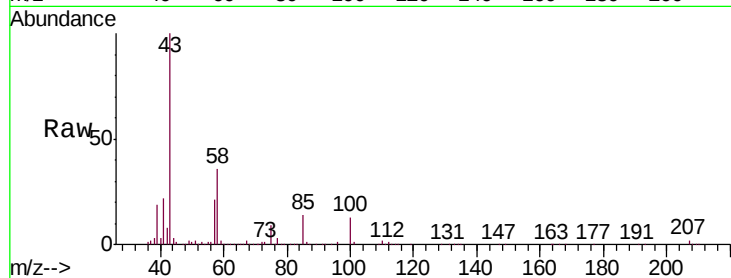
VSTDIC075

Tgt Ion: 43 Resp: 524337

Ion Ratio Lower Upper

43 100

58 35.6 29.2 43.8



#52

Toluene

Concen: 65.510 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060711.D

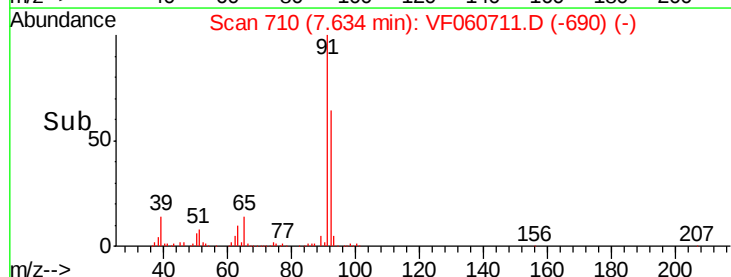
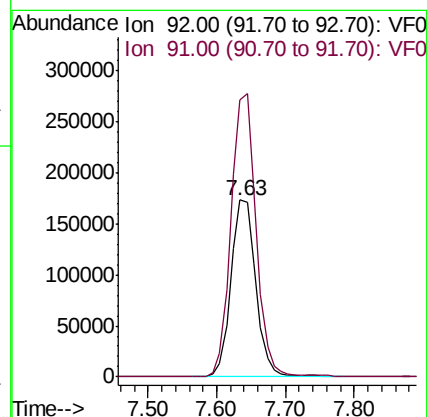
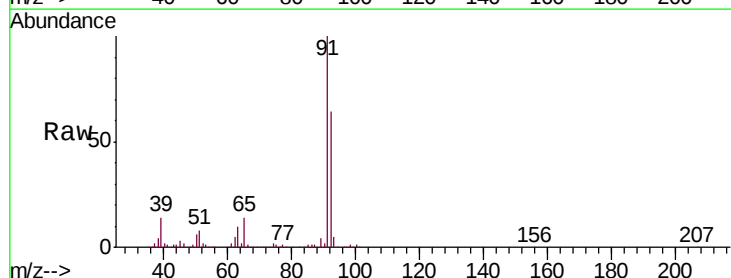
Acq: 13 Nov 2018 13:33

Tgt Ion: 92 Resp: 435173

Ion Ratio Lower Upper

92 100

91 156.2 126.7 190.1





#53

t-1,3-Dichloropropene

Concen: 69.271 ug/l

RT: 8.30 min Scan# 777

Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

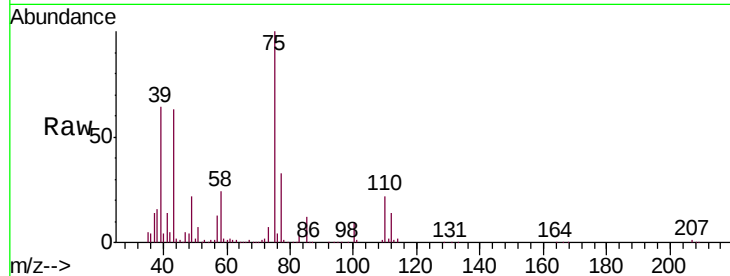
VSTDIC075

Tgt Ion: 75 Resp: 241248

Ion Ratio Lower Upper

75 100

77 32.8 24.6 36.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

120000

100000

80000

60000

40000

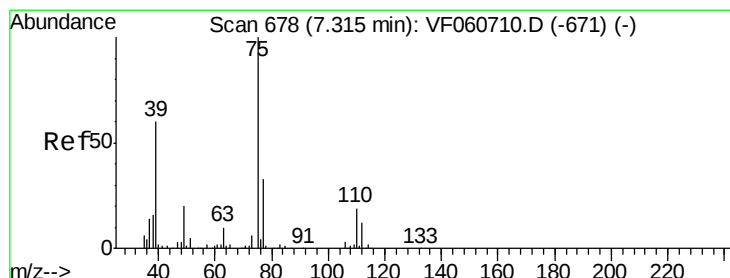
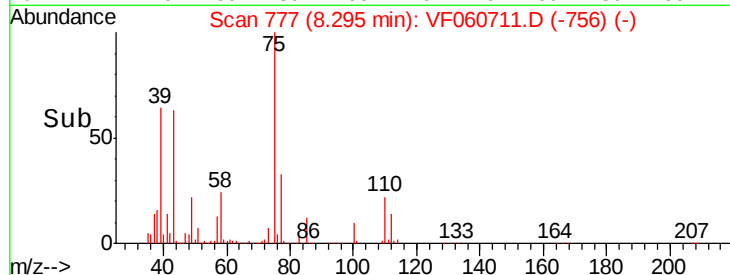
20000

0

8.20

8.40

Time-->



#54

cis-1,3-Dichloropropene

Concen: 67.757 ug/l

RT: 7.31 min Scan# 677

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

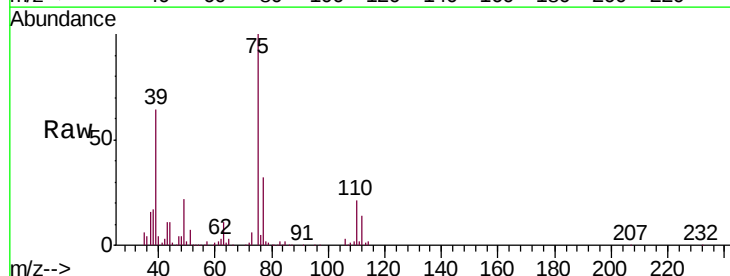
Tgt Ion: 75 Resp: 306516

Ion Ratio Lower Upper

75 100

77 32.4 26.5 39.7

39 63.9 48.5 72.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

150000

100000

50000

0

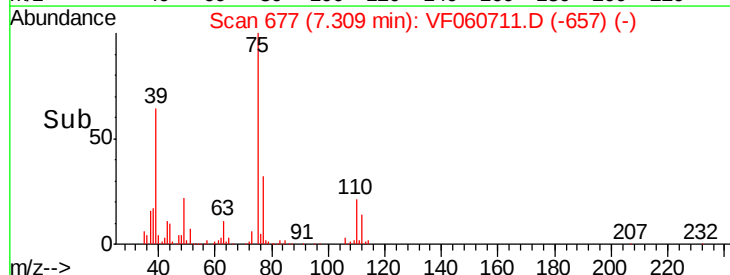
7.20

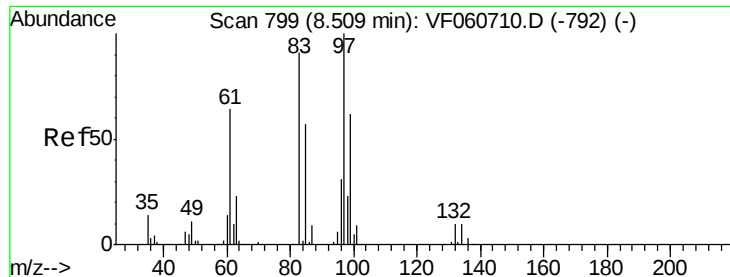
7.30

7.40

7.50

Time-->





#55

1,1,2-Trichloroethane

Concen: 68.749 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 97 Resp: 130486

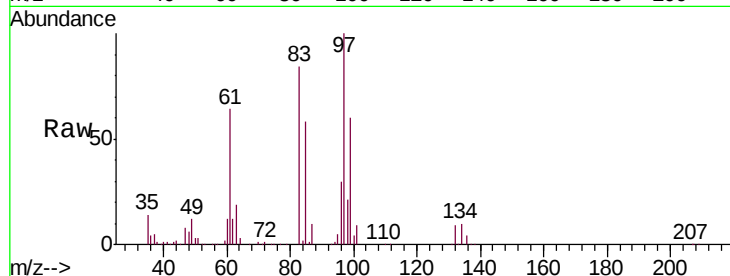
Ion Ratio Lower Upper

97 100

83 84.4 72.8 109.2

85 58.1 45.8 68.6

99 59.9 49.4 74.0

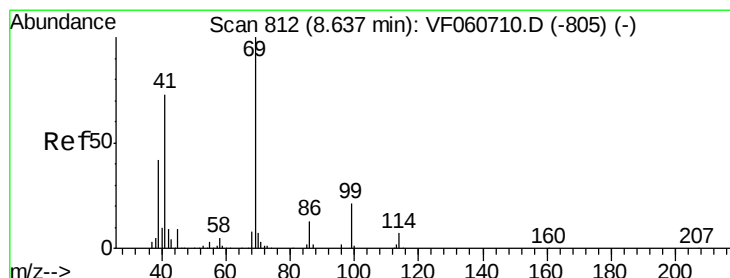
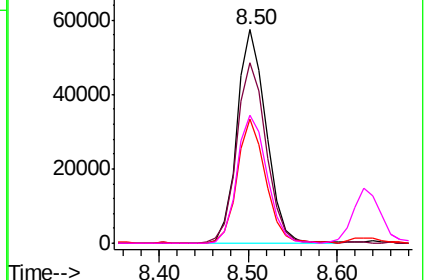
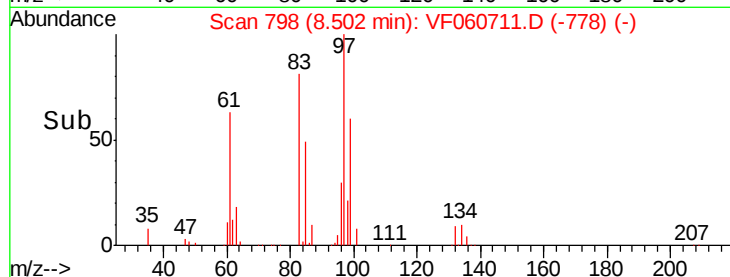


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 71.637 ug/l

RT: 8.63 min Scan# 811

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

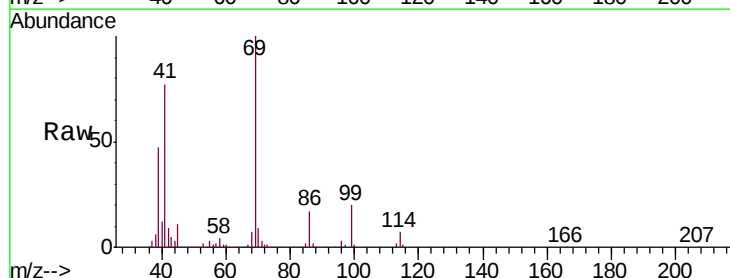
Tgt Ion: 69 Resp: 154417

Ion Ratio Lower Upper

69 100

41 76.7 59.0 88.6

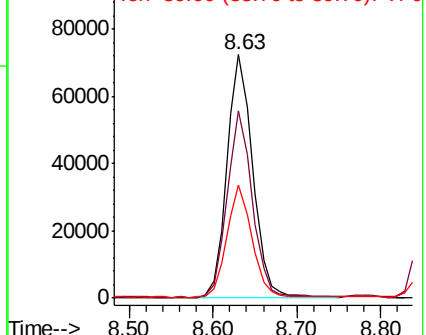
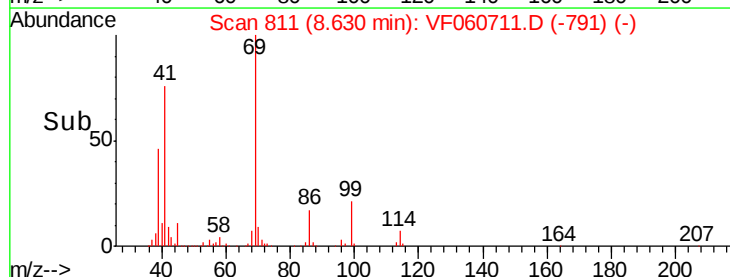
39 46.6 34.0 51.0

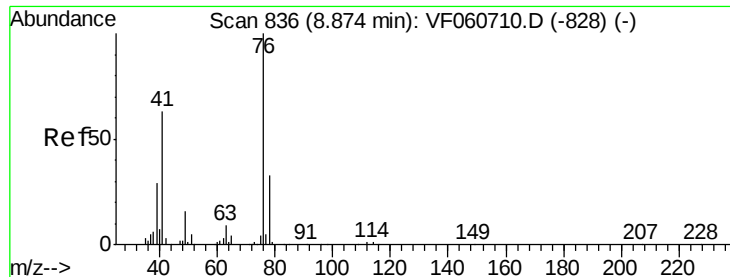


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 69.680 ug/l

RT: 8.87 min Scan# 835

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

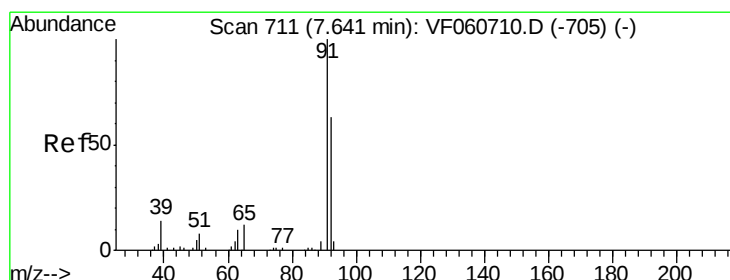
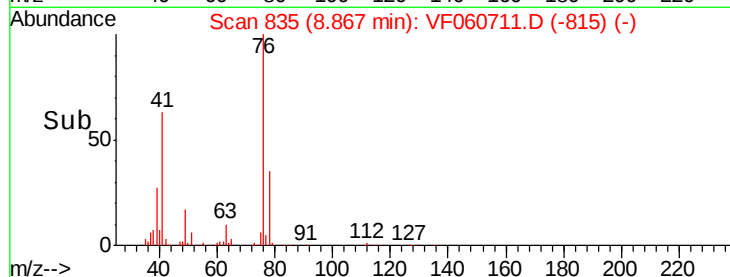
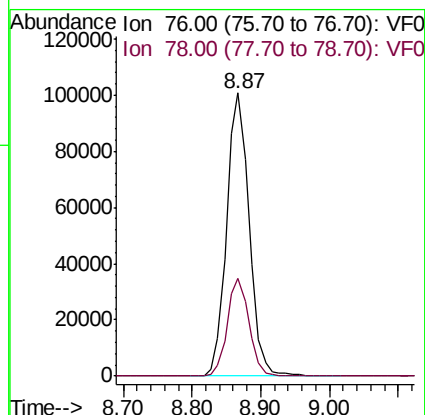
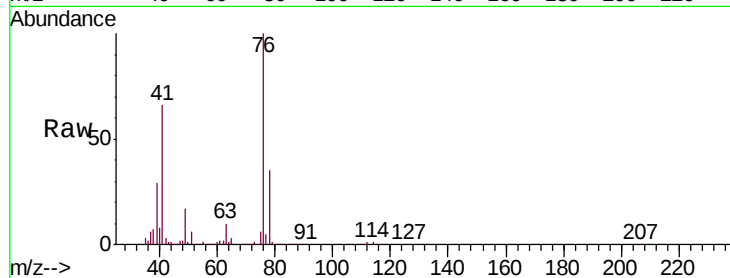
VSTDIC075

Tgt Ion: 76 Resp: 229203

Ion Ratio Lower Upper

76 100

78 34.8 26.6 39.8



#58

2-Chloroethyl Vinyl ether

Concen: 341.753 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060711.D

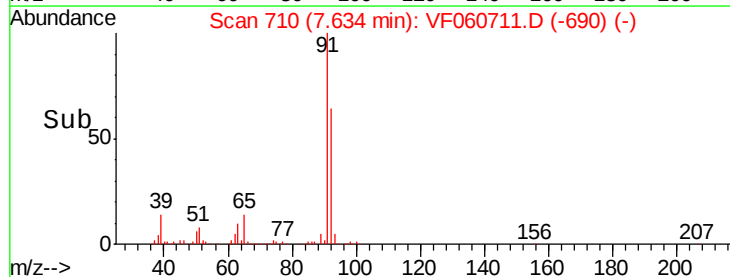
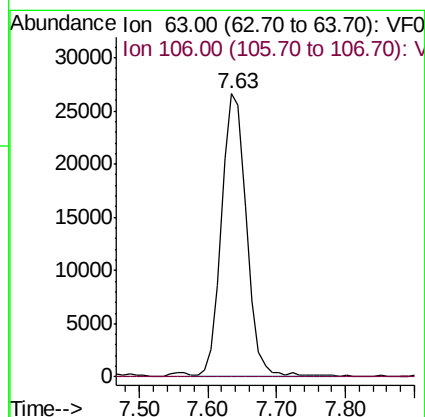
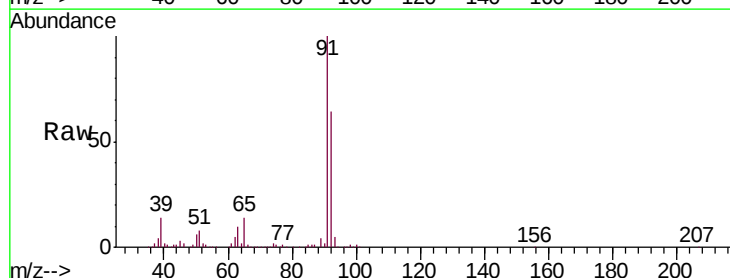
Acq: 13 Nov 2018 13:33

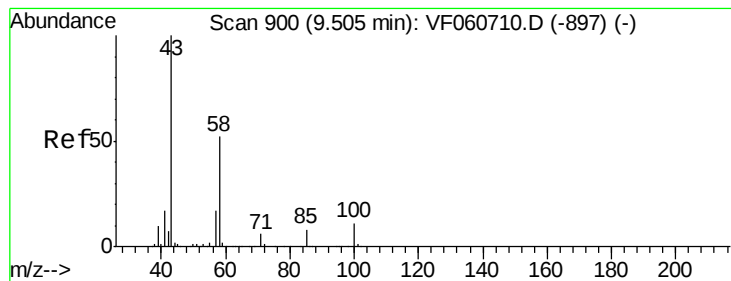
Tgt Ion: 63 Resp: 67294

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 342.876 ug/l

RT: 9.50 min Scan# 899

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

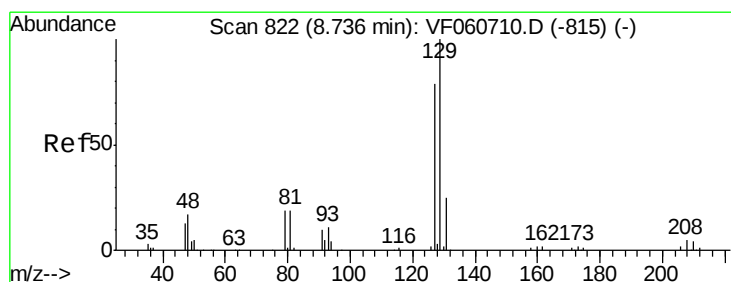
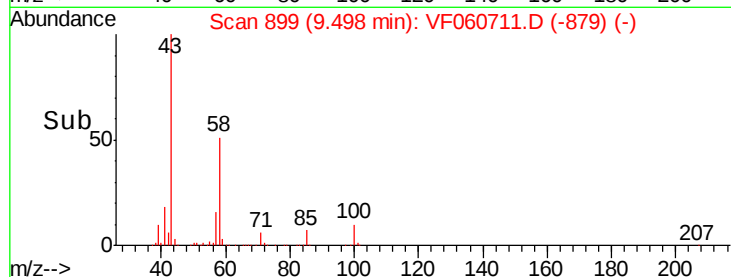
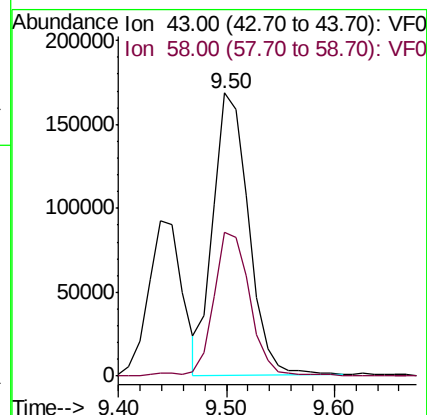
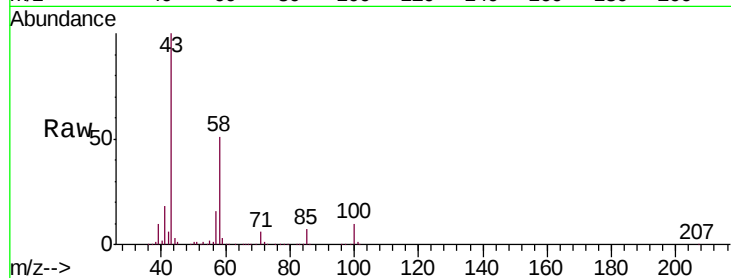
VSTDIC075

Tgt Ion: 43 Resp: 382022

Ion Ratio Lower Upper

43 100

58 50.8 24.9 74.7



#60

Dibromochloromethane

Concen: 70.366 ug/l

RT: 8.73 min Scan# 821

Delta R.T. -0.01 min

Lab File: VF060711.D

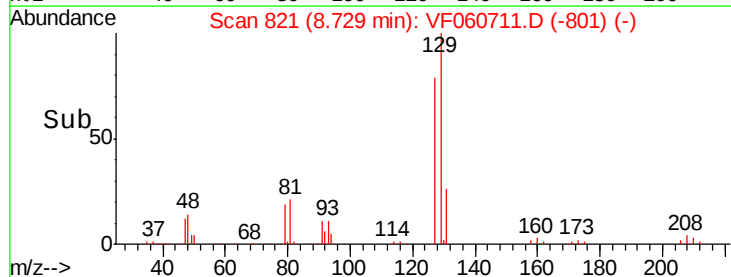
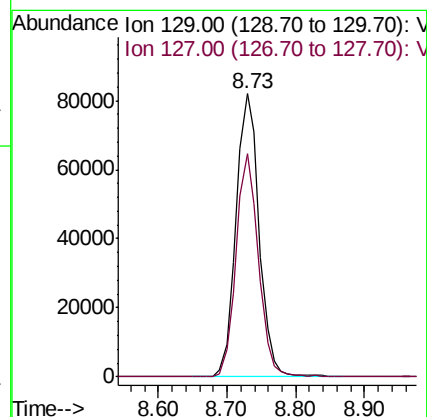
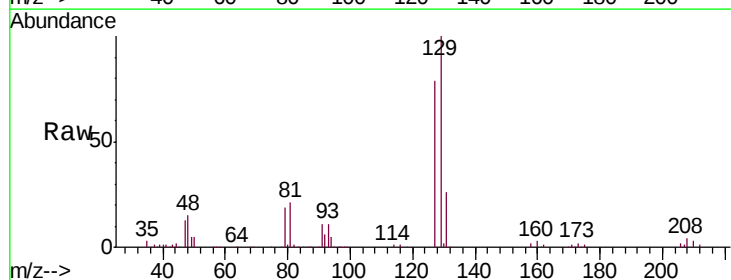
Acq: 13 Nov 2018 13:33

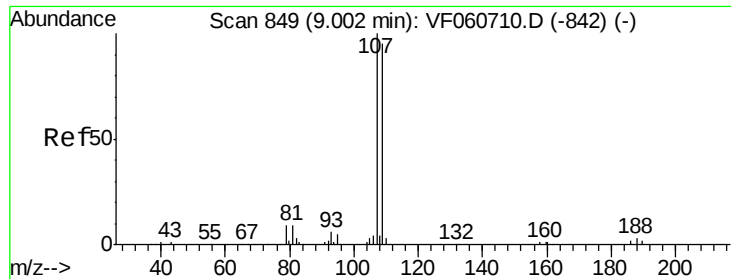
Tgt Ion: 129 Resp: 190340

Ion Ratio Lower Upper

129 100

127 78.8 39.7 119.1

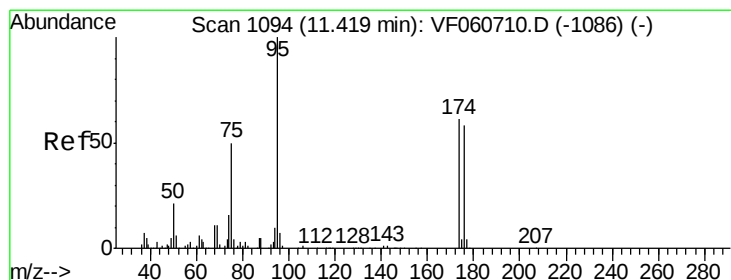
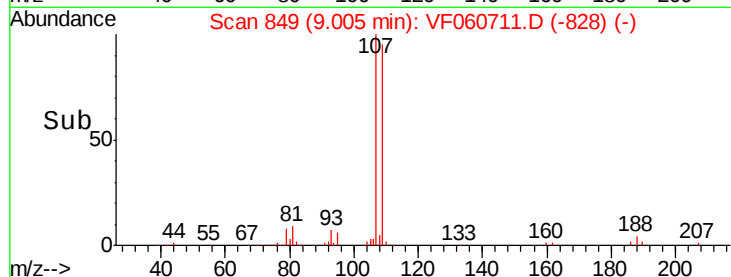
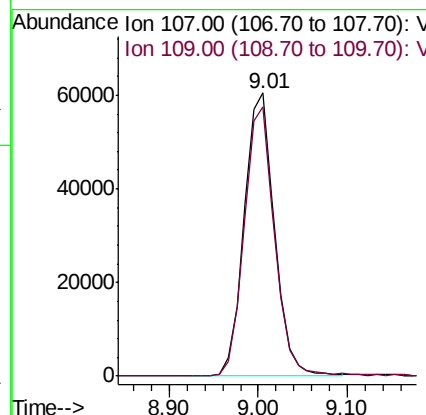
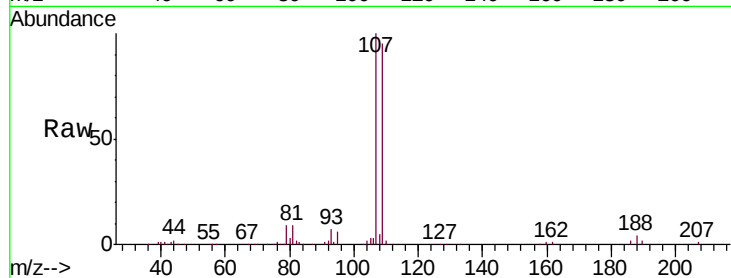




#61
 1,2-Dibromoethane
 Concen: 71.204 ug/l
 RT: 9.01 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VF060711.D
 Acq: 13 Nov 2018 13:33

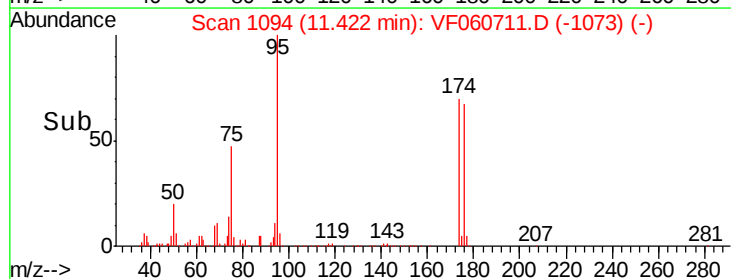
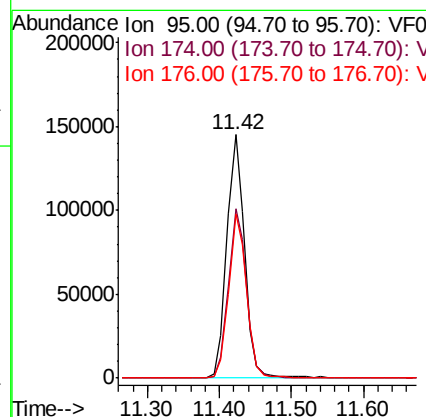
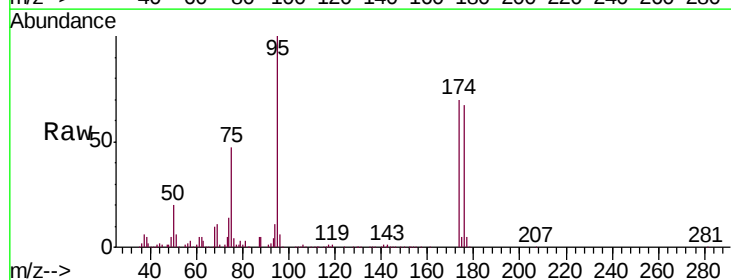
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

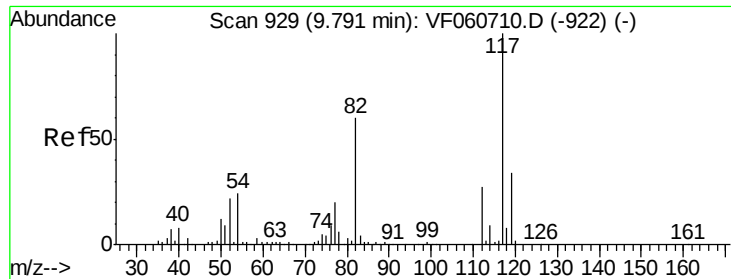
Tgt Ion: 107 Resp: 142132
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 63.571 ug/l
 RT: 11.42 min Scan# 1094
 Delta R.T. 0.00 min
 Lab File: VF060711.D
 Acq: 13 Nov 2018 13:33

Tgt Ion: 95 Resp: 247552
 Ion Ratio Lower Upper
 95 100
 174 69.8 0.0 121.6
 176 67.5 0.0 115.2

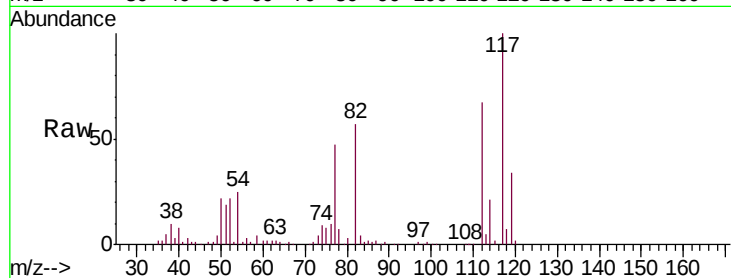




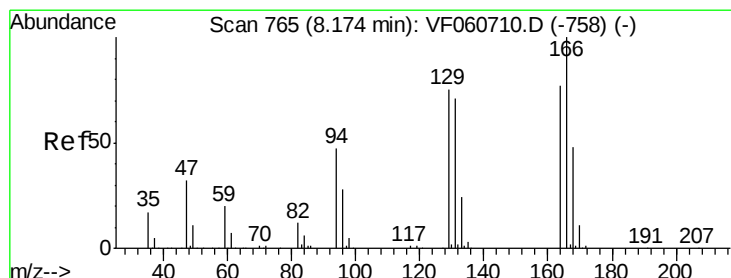
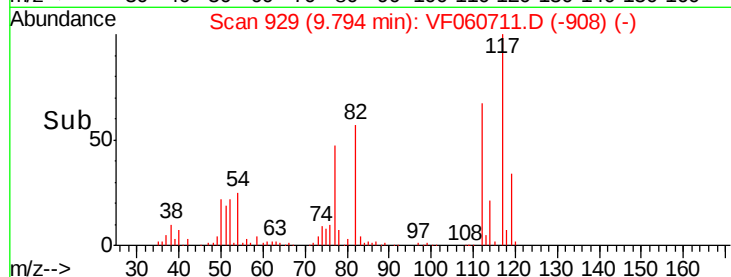
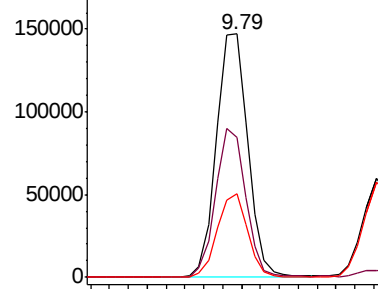
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion:117 Resp: 342303
Ion Ratio Lower Upper
117 100
82 57.5 47.9 71.9
119 34.3 26.8 40.2

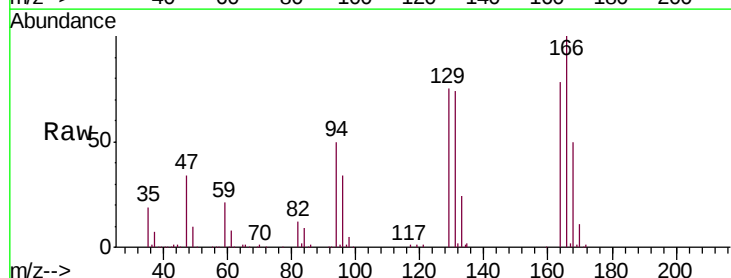


Abundance Ion 117.00 (116.70 to 117.70): V
200000 Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

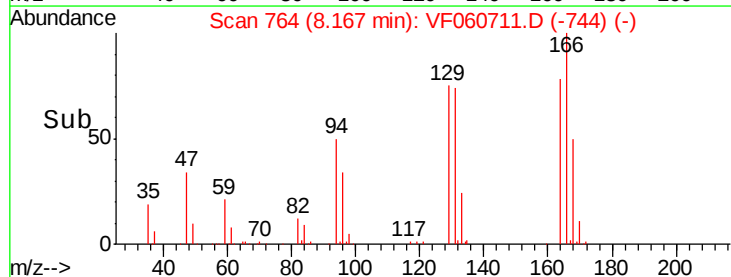
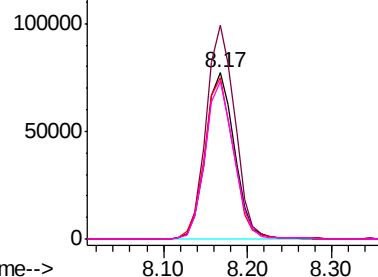


#64
Tetrachloroethene
Concen: 68.354 ug/l
RT: 8.17 min Scan# 764
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion:164 Resp: 185285
Ion Ratio Lower Upper
164 100
166 128.8 103.5 155.3
129 97.1 77.4 116.2
131 95.1 73.5 110.3



Abundance Ion 163.85 (163.55 to 164.55): V
150000 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

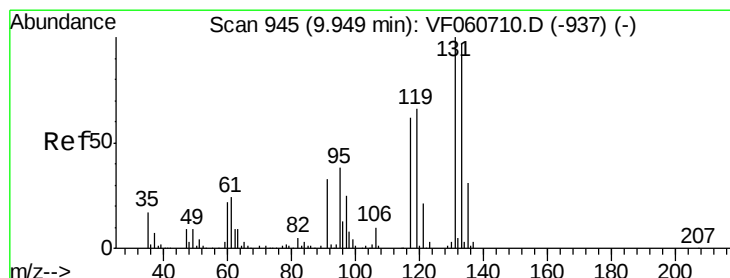
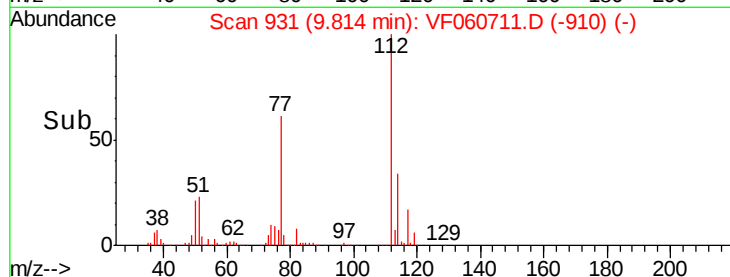
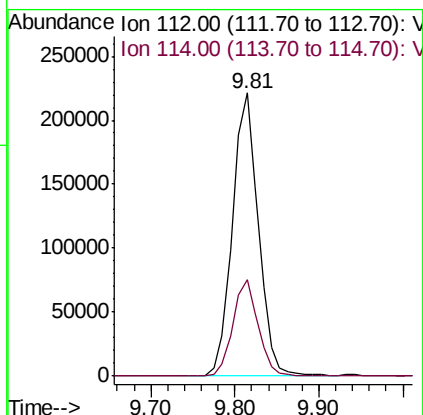
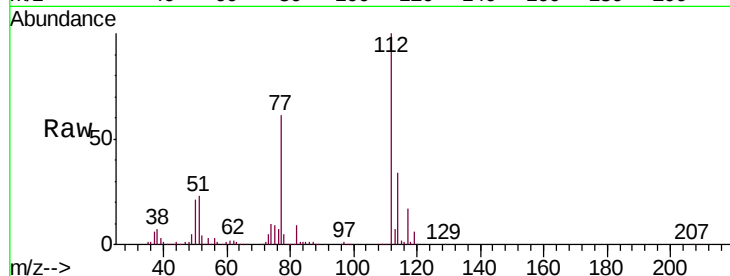




#65
Chlorobenzene
Concen: 69.077 ug/l
RT: 9.81 min Scan# 931
Delta R.T. 0.00 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

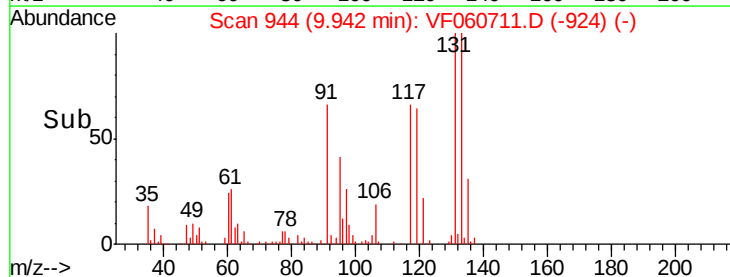
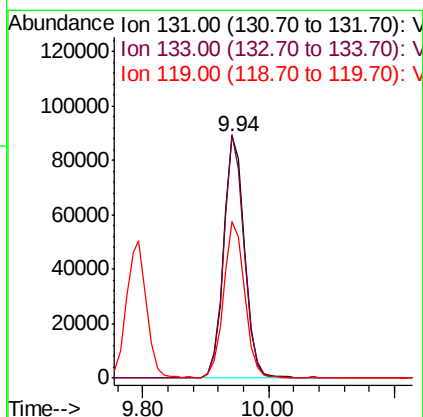
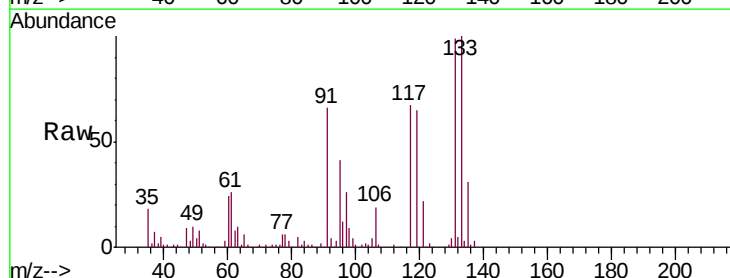
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

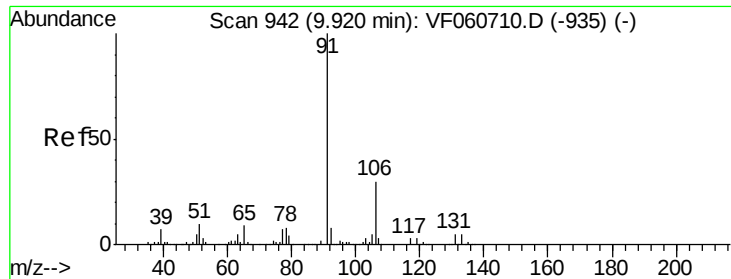
Tgt Ion:112 Resp: 477147
Ion Ratio Lower Upper
112 100
114 33.9 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 67.950 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion:131 Resp: 204718
Ion Ratio Lower Upper
131 100
133 100.5 48.3 144.8
119 64.9 33.2 99.6

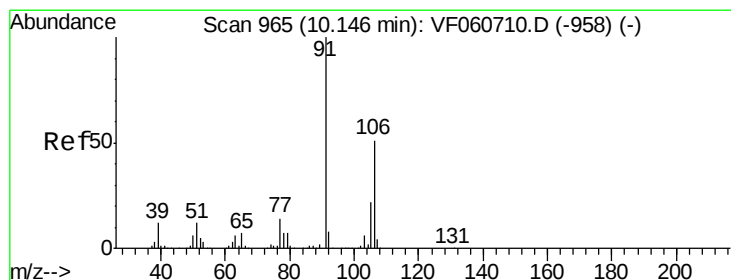
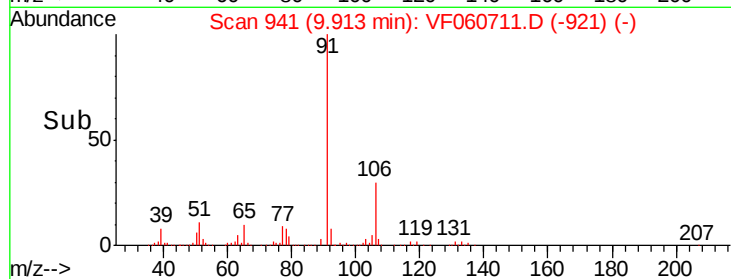
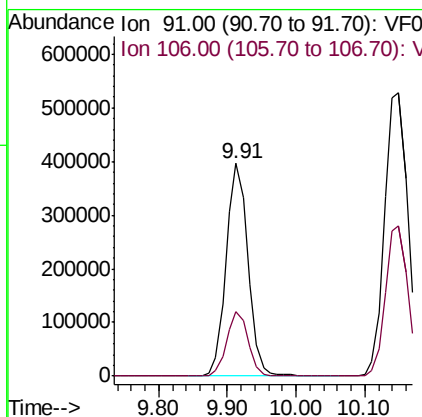
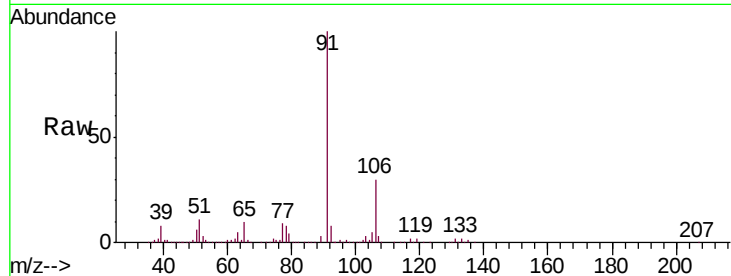




#67
Ethyl Benzene
Concen: 67.268 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

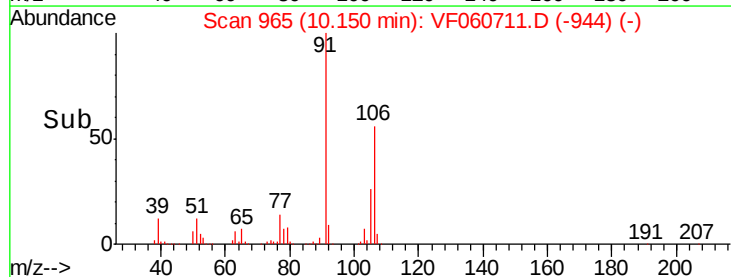
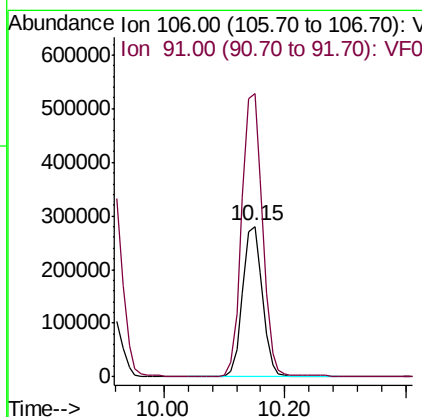
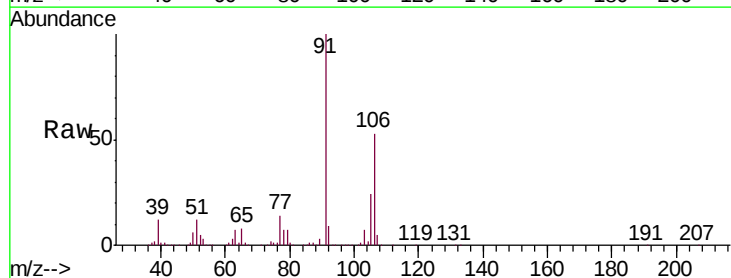
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

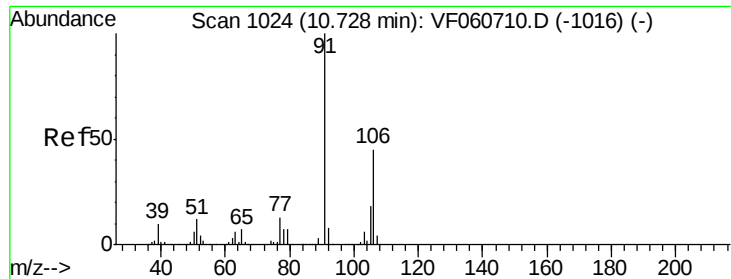
Tgt Ion: 91 Resp: 875842
Ion Ratio Lower Upper
91 100
106 30.3 23.9 35.9



#68
m/p-Xylenes
Concen: 137.461 ug/l
RT: 10.15 min Scan# 965
Delta R.T. 0.00 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion: 106 Resp: 639609
Ion Ratio Lower Upper
106 100
91 188.2 158.2 237.2

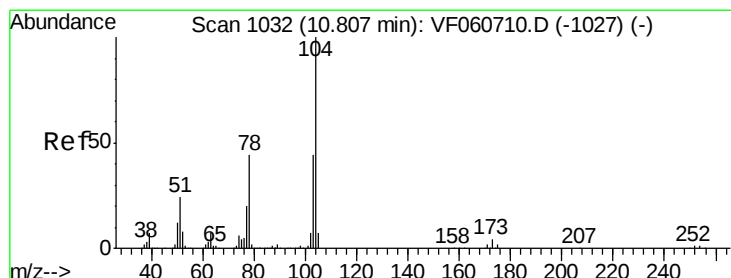
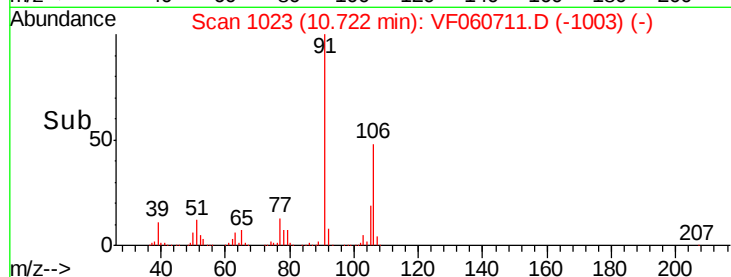
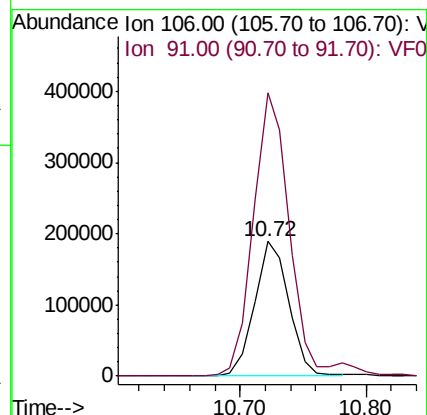
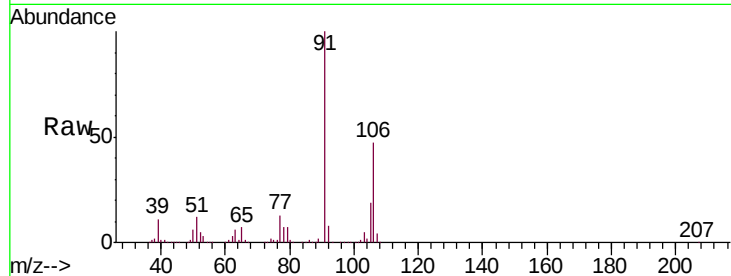




#69
o-Xylene
Concen: 68.338 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

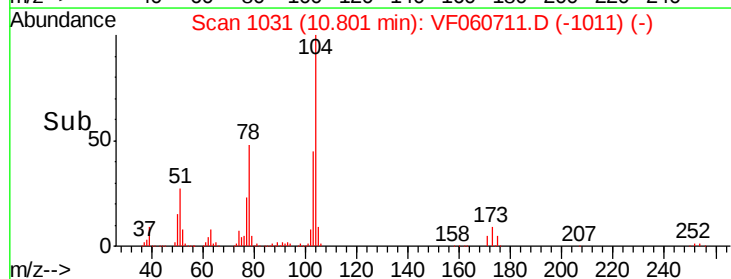
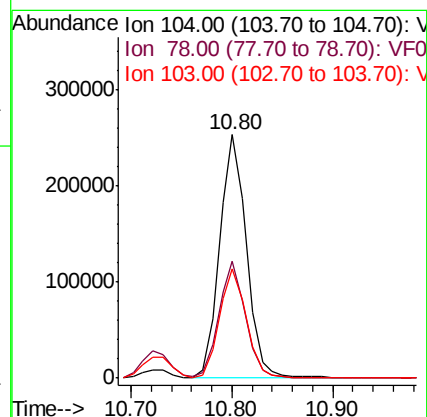
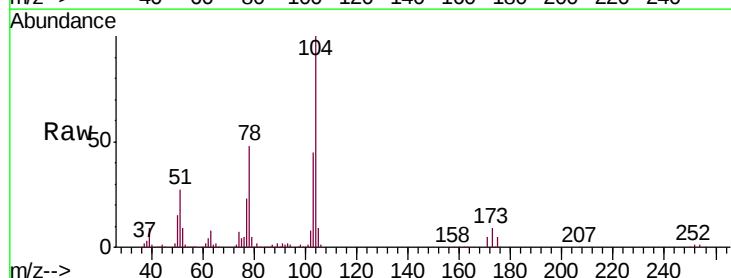
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

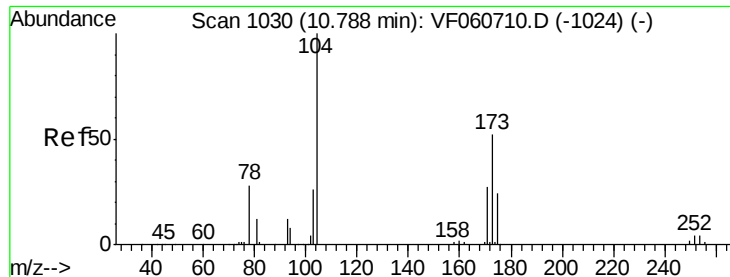
Tgt Ion:106 Resp: 357498
Ion Ratio Lower Upper
106 100
91 210.5 110.3 330.9



#70
Styrene
Concen: 65.889 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion:104 Resp: 467786
Ion Ratio Lower Upper
104 100
78 47.9 35.4 53.2
103 45.1 35.8 53.6





#71

Bromoform

Concen: 72.150 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

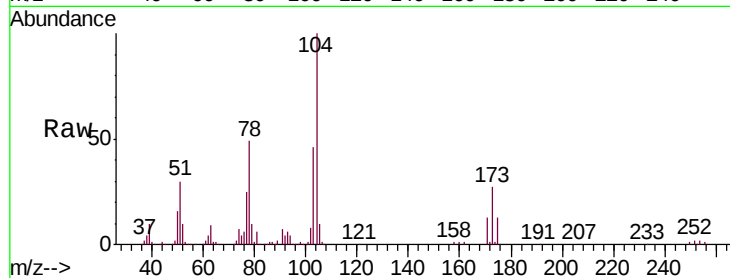
Tgt Ion:173 Resp: 97749

Ion Ratio Lower Upper

173 100

175 47.0 23.4 70.0

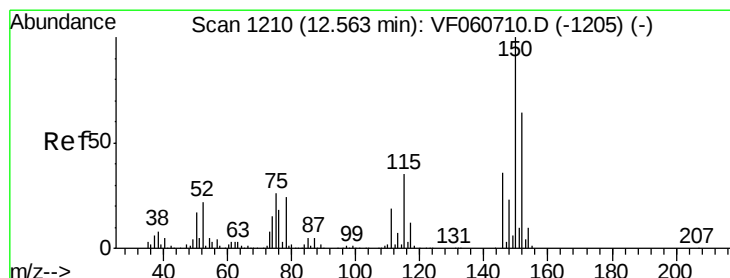
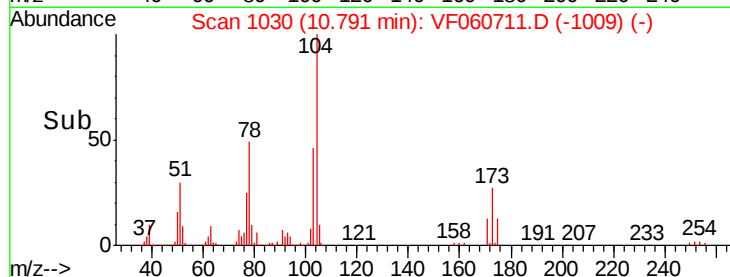
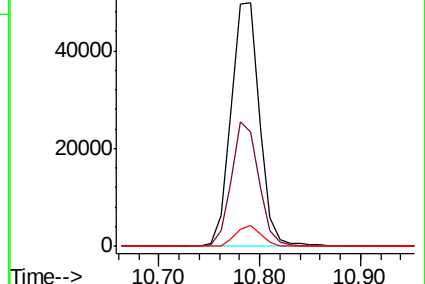
254 8.4 5.8 8.8



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.57 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

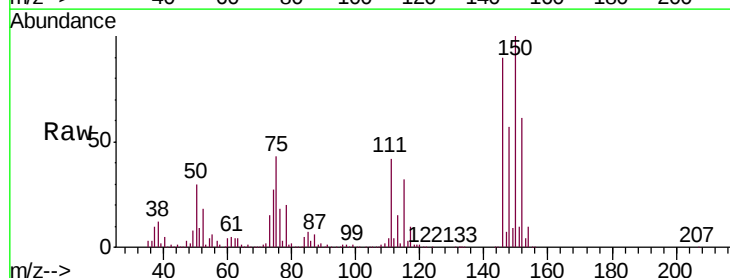
Tgt Ion:152 Resp: 182527

Ion Ratio Lower Upper

152 100

115 51.9 27.9 83.7

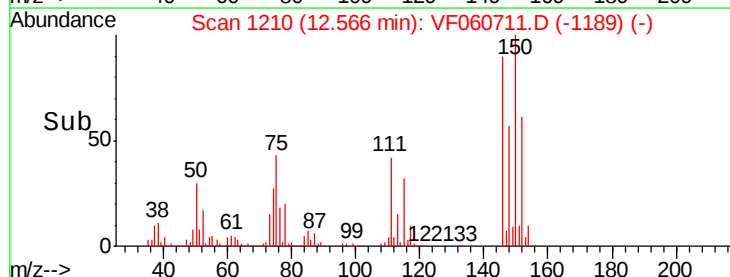
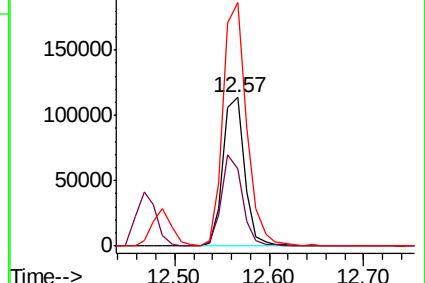
150 163.9 0.0 316.4

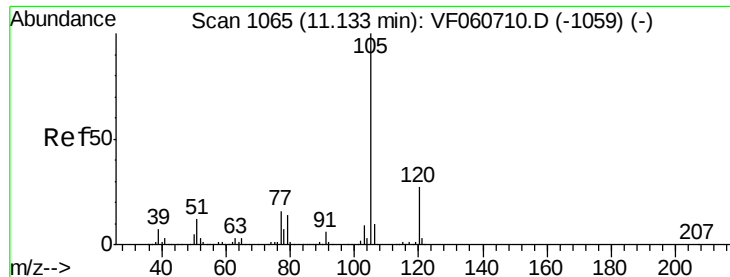


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 69.357 ug/l

RT: 11.14 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

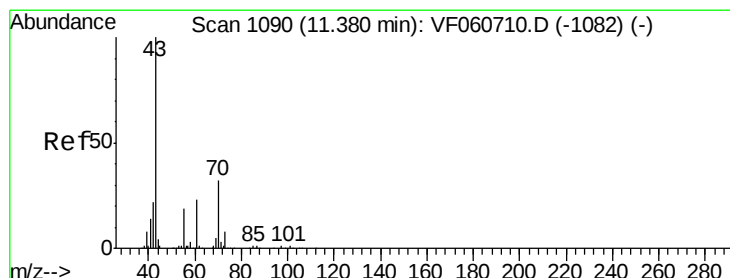
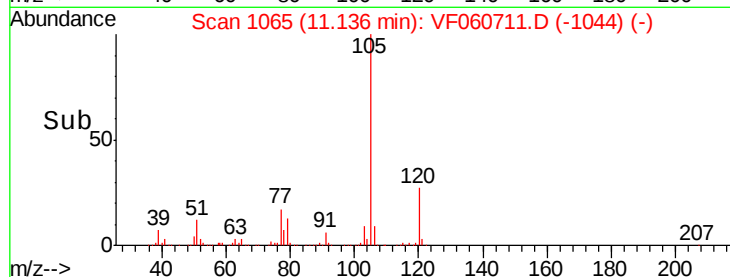
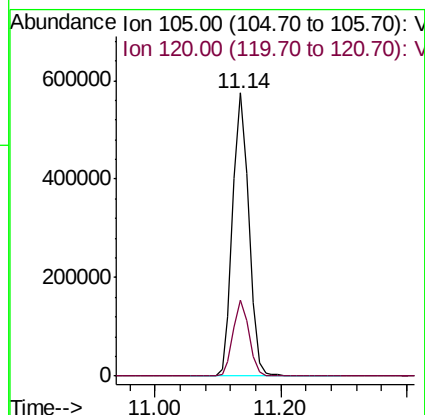
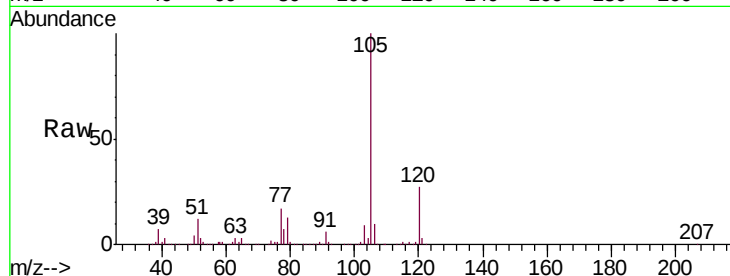
VSTDIC075

Tgt Ion:105 Resp: 1019004

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.1



#74

N-ethyl acetate

Concen: 76.022 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Tgt Ion: 43 Resp: 254268

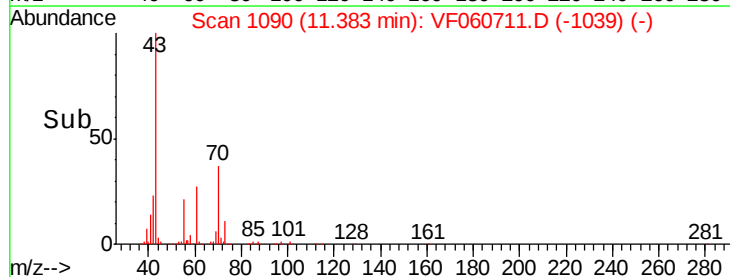
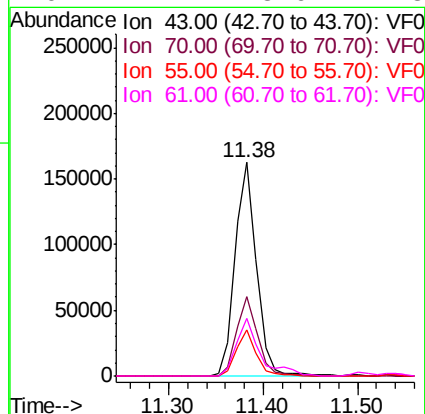
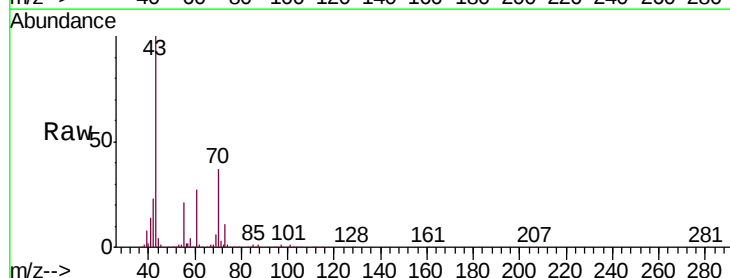
Ion Ratio Lower Upper

43 100

70 37.4 25.5 38.3

55 21.4 14.9 22.3

61 27.2 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 67.868 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

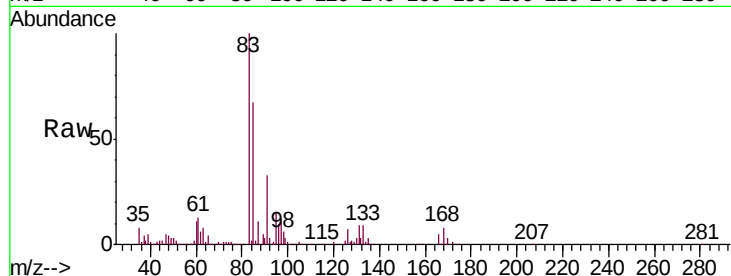
Tgt Ion: 83 Resp: 164855

Ion Ratio Lower Upper

83 100

131 9.1 4.2 12.4

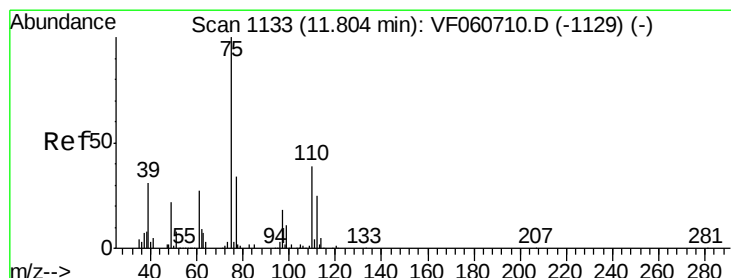
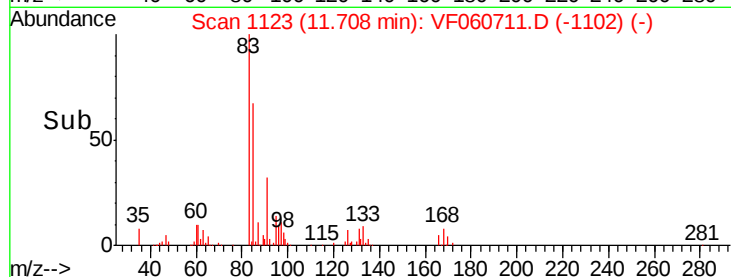
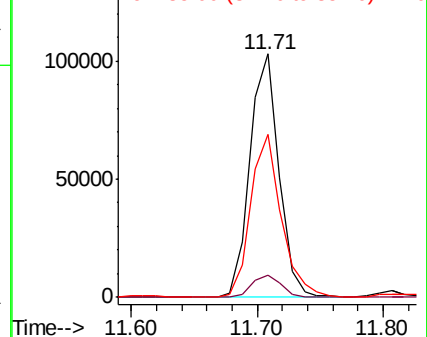
85 66.9 32.0 96.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 67.013 ug/l

RT: 11.81 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF060711.D

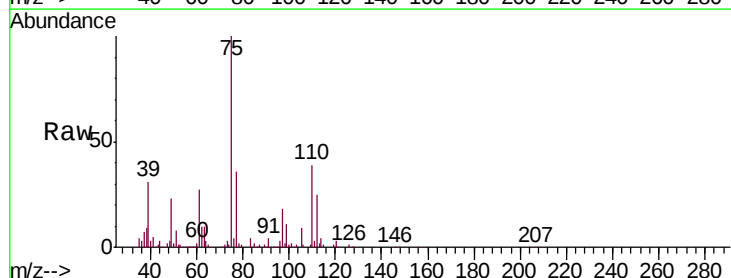
Acq: 13 Nov 2018 13:33

Tgt Ion: 75 Resp: 120892

Ion Ratio Lower Upper

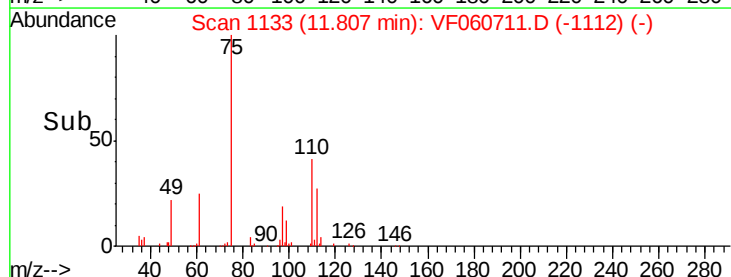
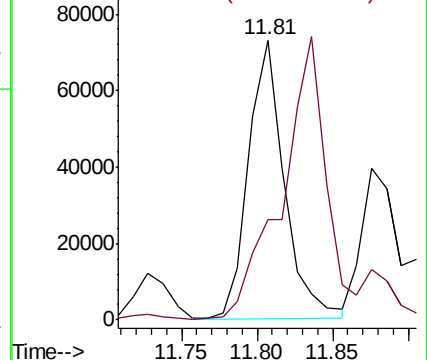
75 100

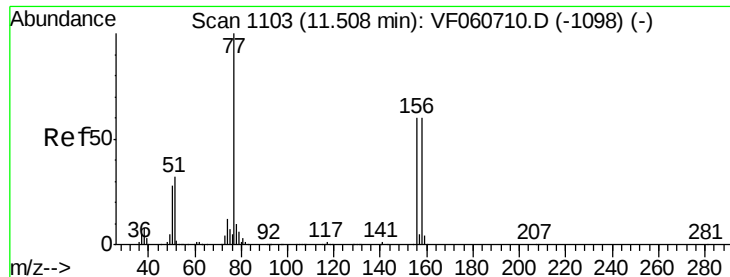
77 35.7 17.0 51.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 71.747 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

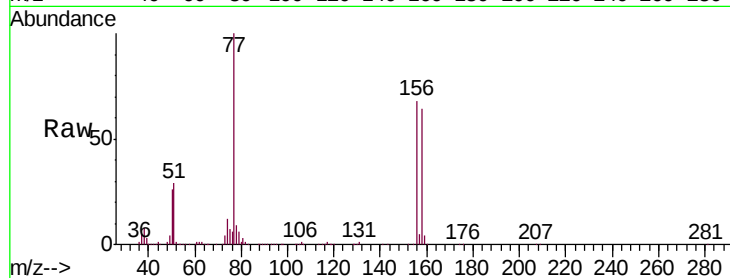
Tgt Ion:156 Resp: 219419

Ion Ratio Lower Upper

156 100

77 146.8 83.0 248.9

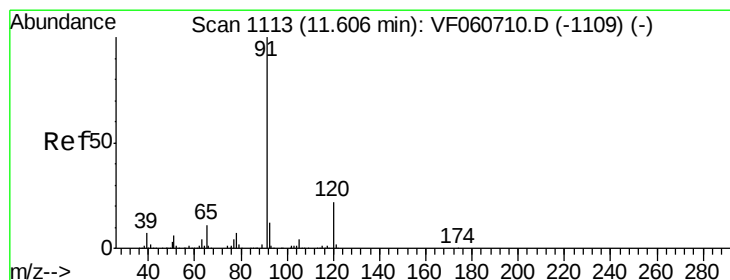
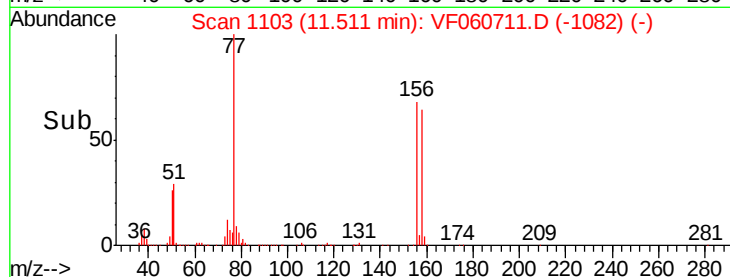
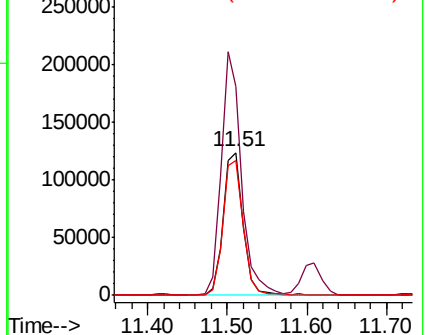
158 94.4 49.6 149.0



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: 66.705 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF060711.D

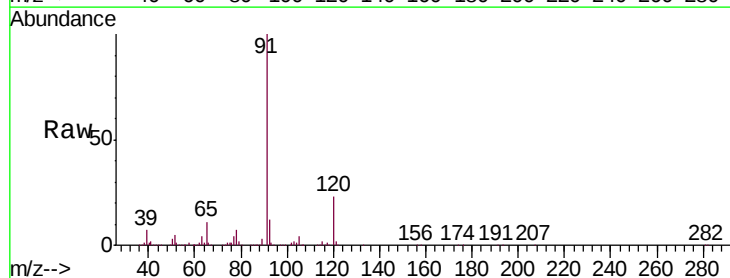
Acq: 13 Nov 2018 13:33

Tgt Ion: 91 Resp: 1143009

Ion Ratio Lower Upper

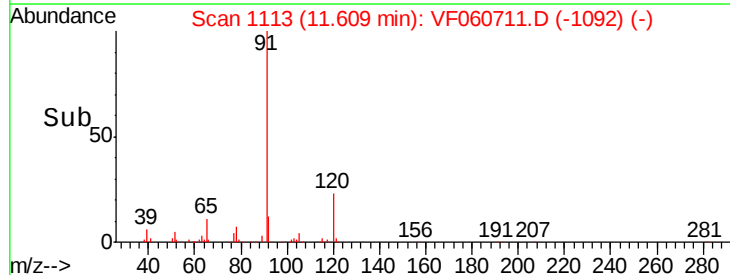
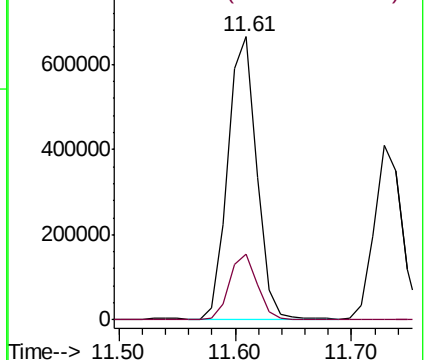
91 100

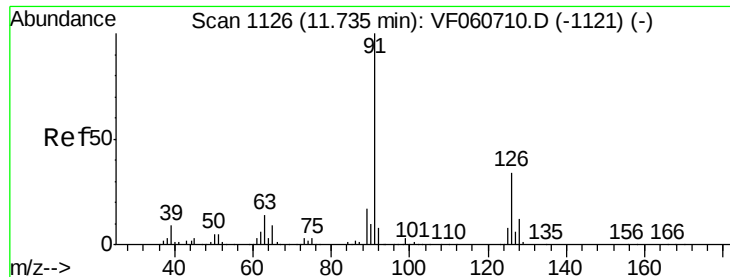
120 23.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 66.875 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

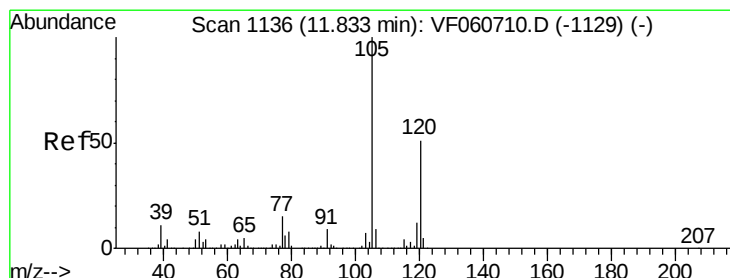
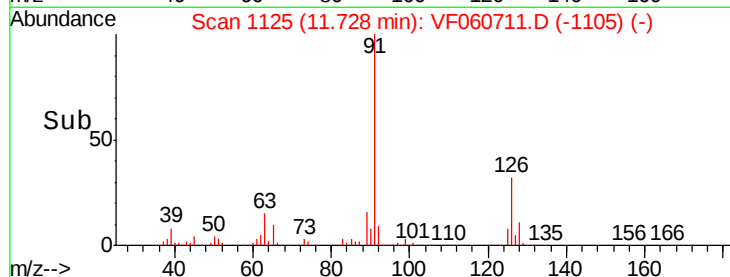
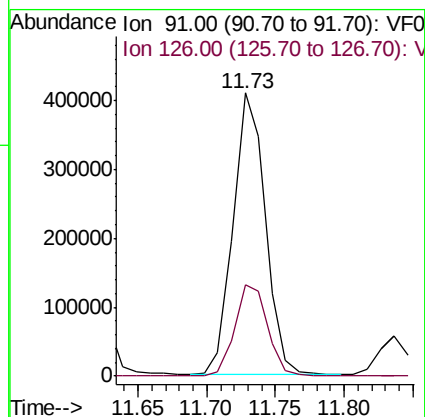
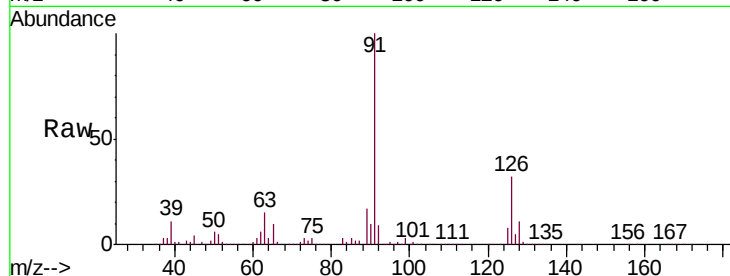
VSTDIC075

Tgt Ion: 91 Resp: 666020

Ion Ratio Lower Upper

91 100

126 32.4 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 68.907 ug/l

RT: 11.84 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF060711.D

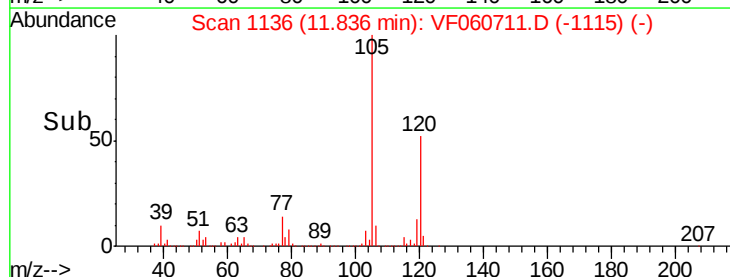
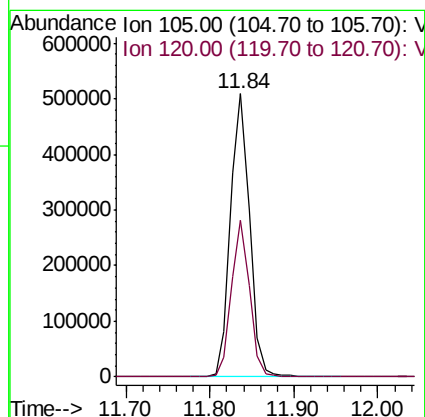
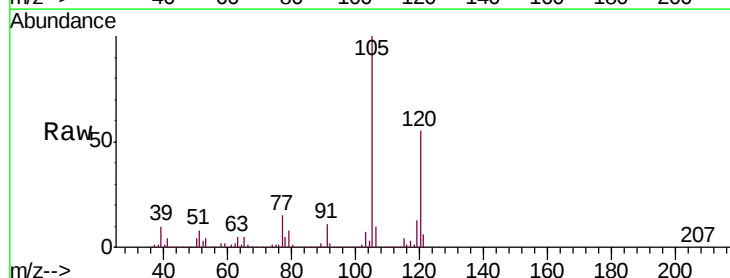
Acq: 13 Nov 2018 13:33

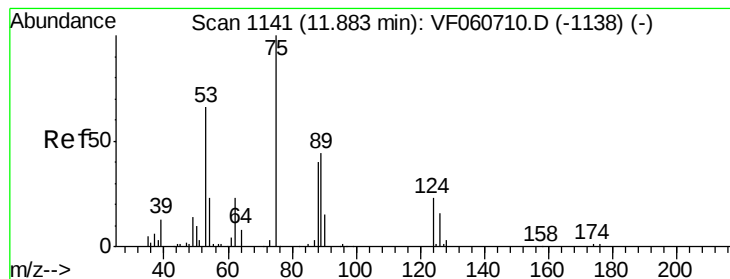
Tgt Ion: 105 Resp: 803755

Ion Ratio Lower Upper

105 100

120 55.2 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 96.063 ug/l

RT: 11.88 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

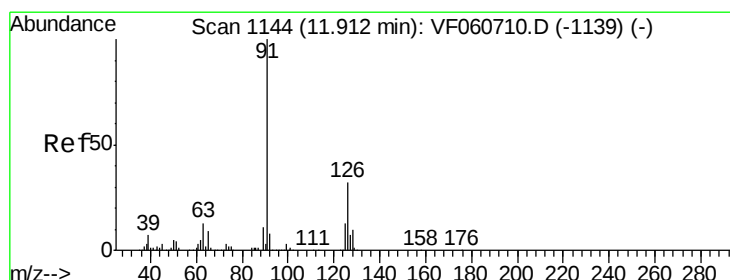
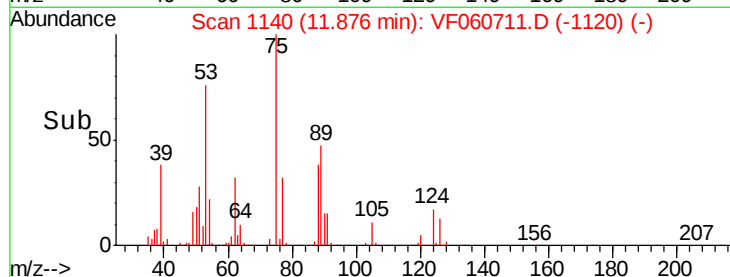
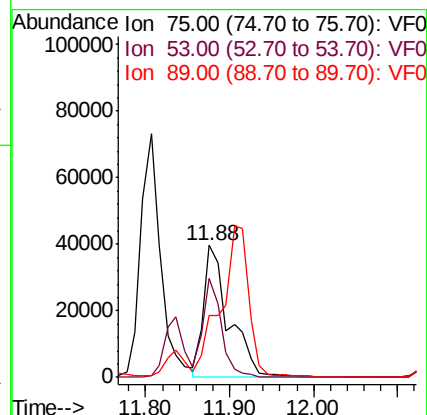
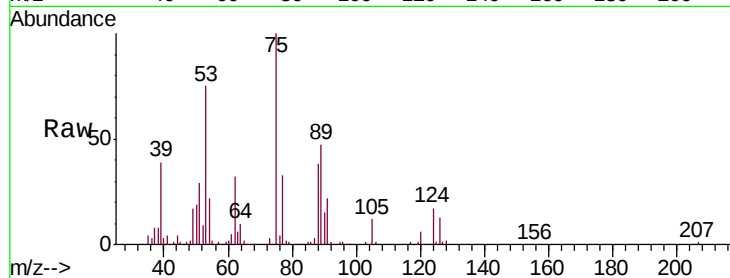
Tgt Ion: 75 Resp: 83147

Ion Ratio Lower Upper

75 100

53 75.3 57.0 85.4

89 47.3 37.8 56.8



#82

4-Chlorotoluene

Concen: 69.581 ug/l

RT: 11.92 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060711.D

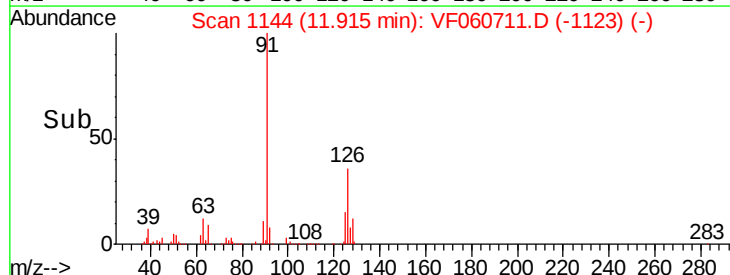
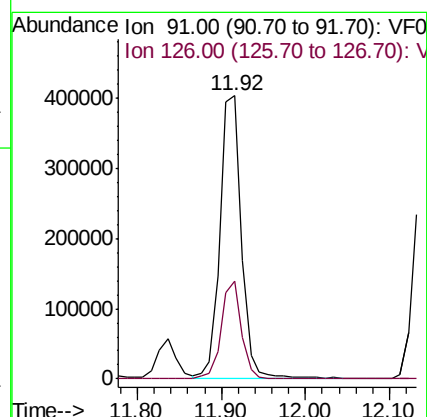
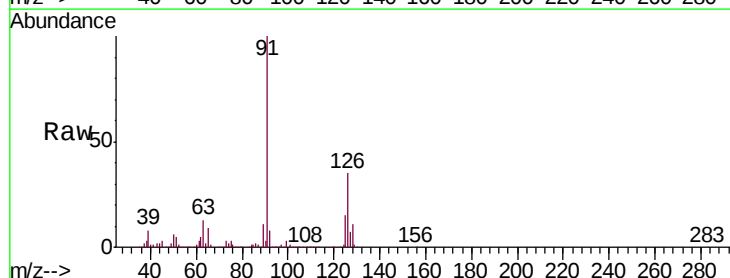
Acq: 13 Nov 2018 13:33

Tgt Ion: 91 Resp: 709914

Ion Ratio Lower Upper

91 100

126 34.7 16.0 47.9

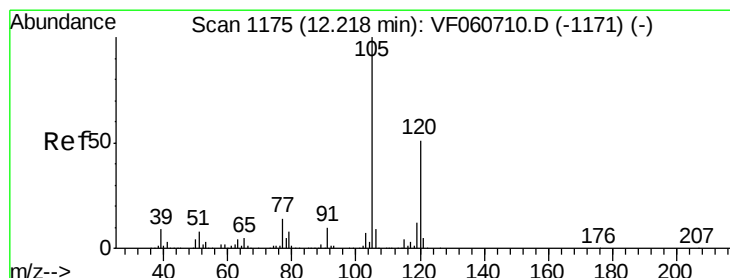
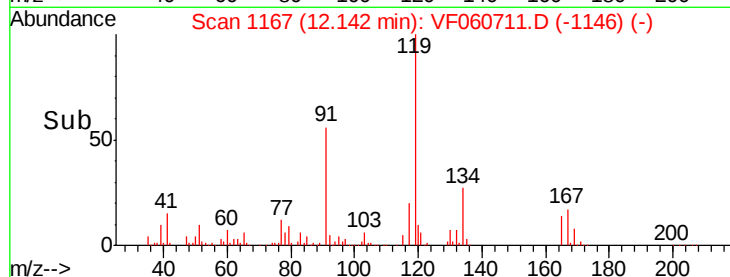
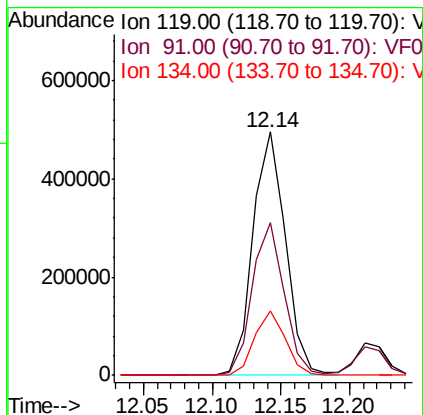
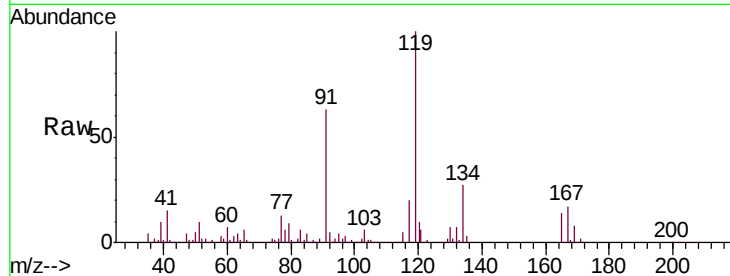




#83
 tert-Butylbenzene
 Concen: 66.493 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. 0.00 min
 Lab File: VF060711.D
 Acq: 13 Nov 2018 13:33

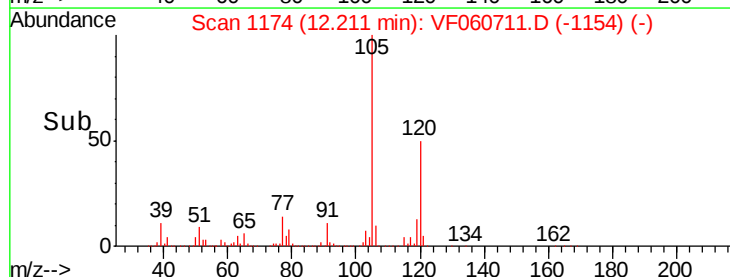
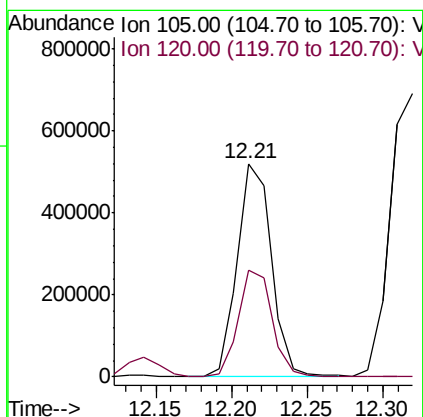
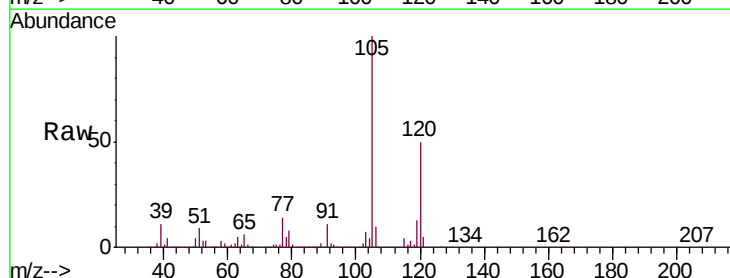
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

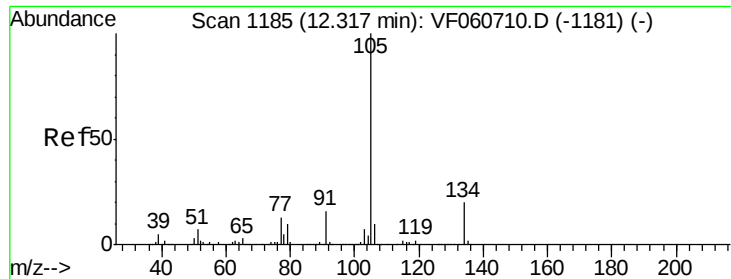
Tgt Ion:119 Resp: 823496
 Ion Ratio Lower Upper
 119 100
 91 62.9 31.4 94.3
 134 26.6 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 67.961 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF060711.D
 Acq: 13 Nov 2018 13:33

Tgt Ion:105 Resp: 819847
 Ion Ratio Lower Upper
 105 100
 120 50.2 25.5 76.5

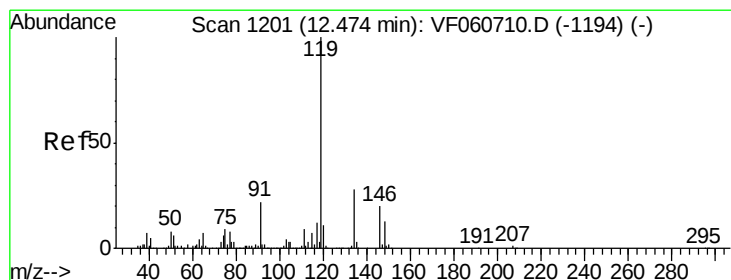
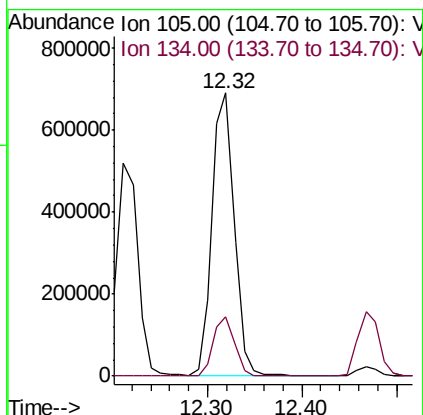
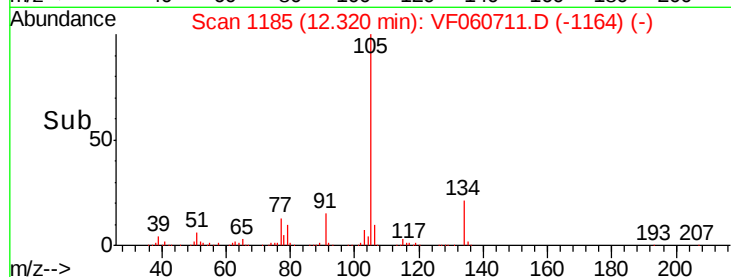
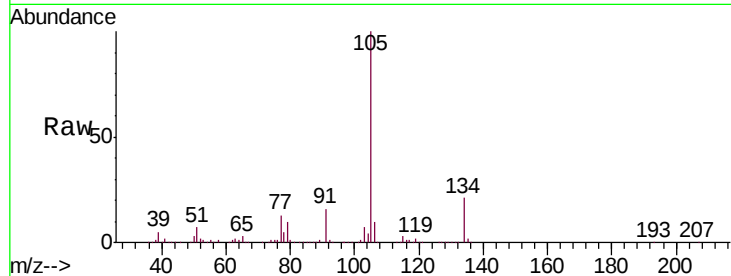




#85
 sec-Butylbenzene
 Concen: 67.439 ug/l
 RT: 12.32 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF060711.D
 Acq: 13 Nov 2018 13:33

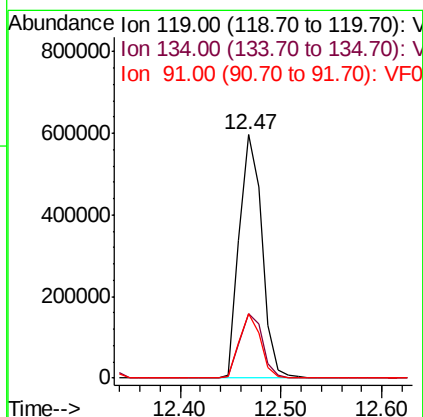
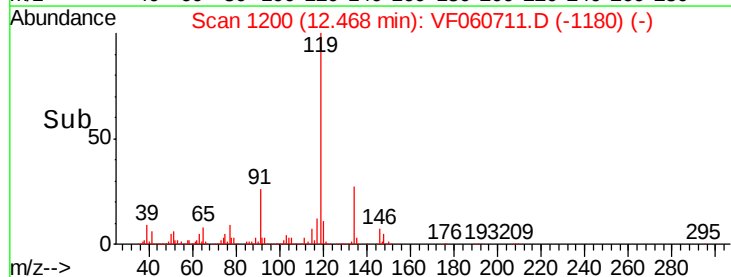
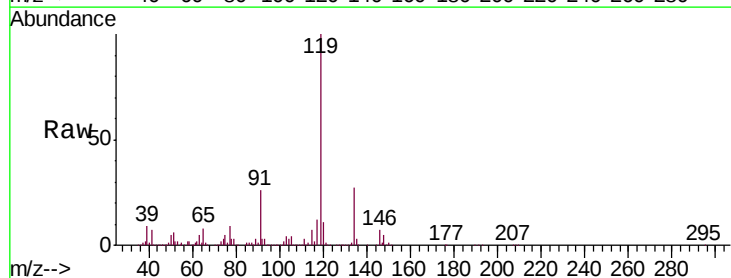
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

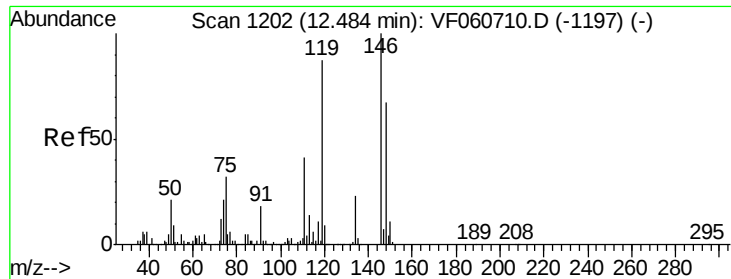
Tgt Ion:105 Resp: 1132982
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 66.408 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF060711.D
 Acq: 13 Nov 2018 13:33

Tgt Ion:119 Resp: 931802
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.9 41.7
 91 26.3 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 66.458 ug/l

RT: 12.49 min Scan# 1202

Delta R.T. 0.00 min

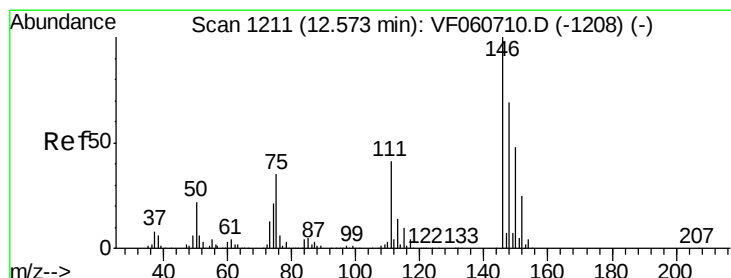
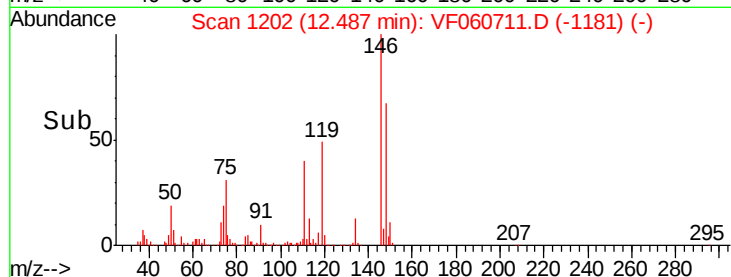
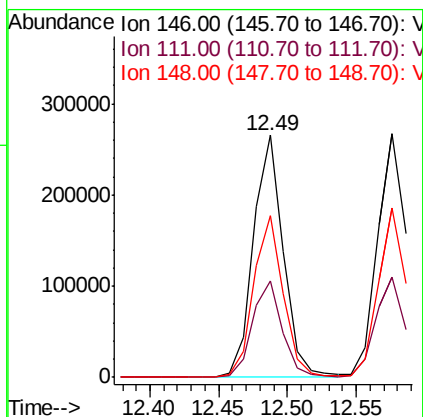
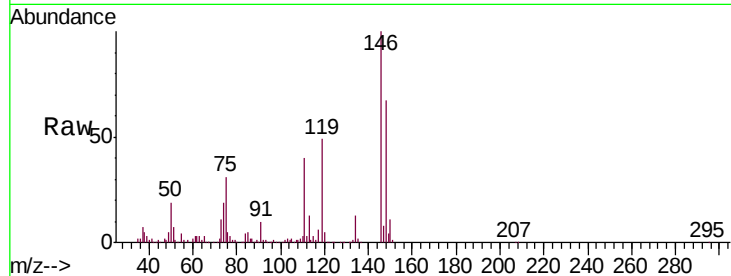
Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion:146 Resp: 404465

Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.3	60.8
148	66.8	33.3	99.9



#88

1,4-Dichlorobenzene

Concen: 68.901 ug/l

RT: 12.58 min Scan# 1211

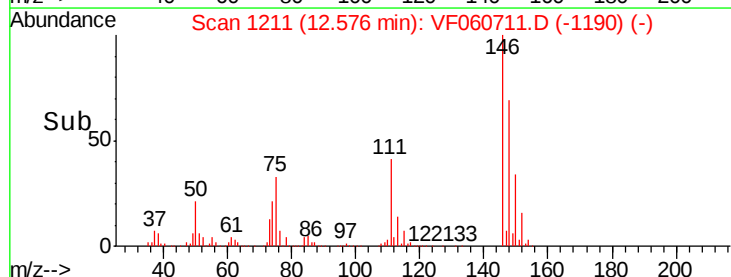
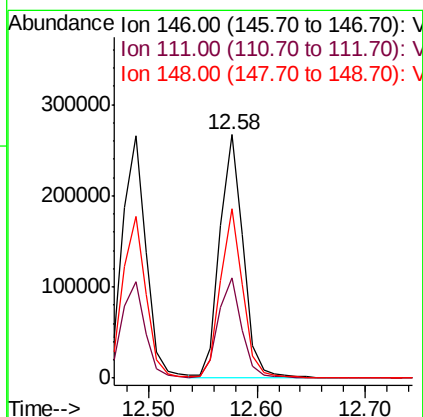
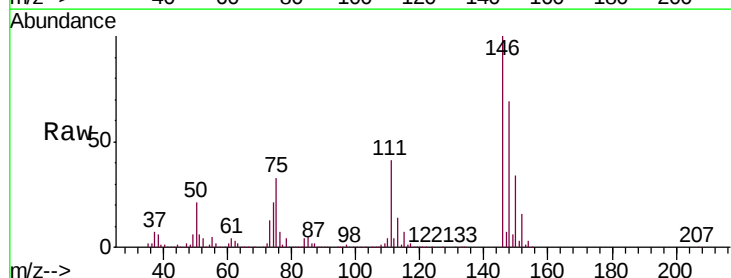
Delta R.T. 0.00 min

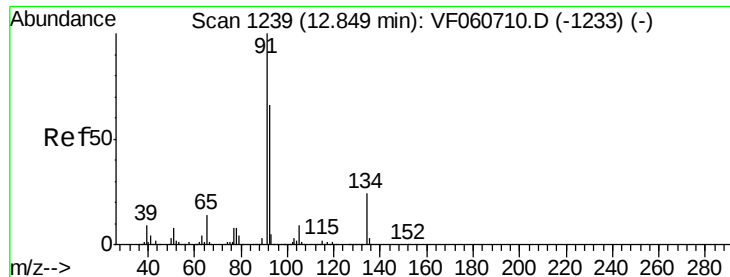
Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Tgt Ion:146 Resp: 403019

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.6	61.9
148	69.4	34.7	104.1





#89

n-Butylbenzene

Concen: 66.394 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

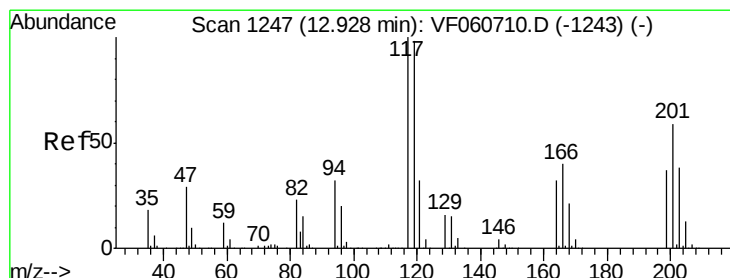
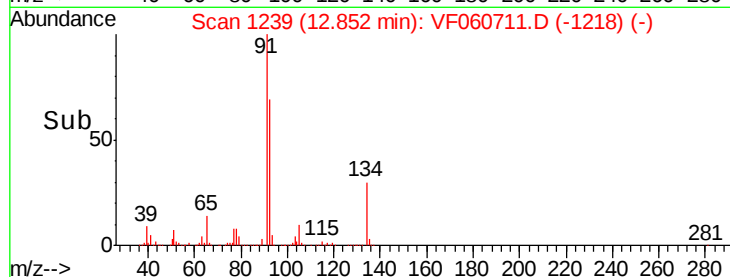
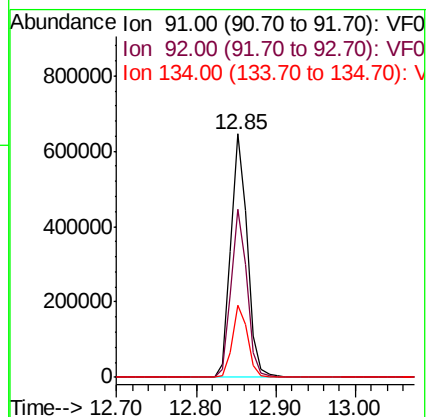
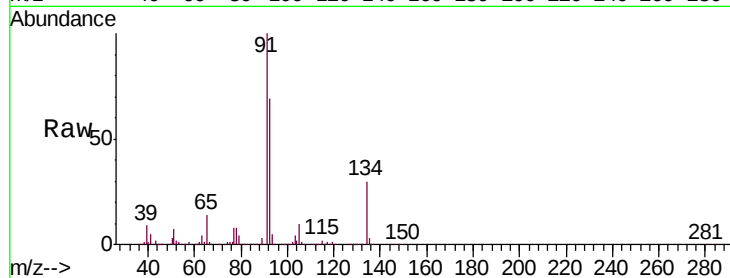
Tgt Ion: 91 Resp: 950720

Ion Ratio Lower Upper

91 100

92 69.1 33.1 99.2

134 29.7 11.9 35.9



#90

Hexachloroethane

Concen: 69.768 ug/l

RT: 12.93 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VF060711.D

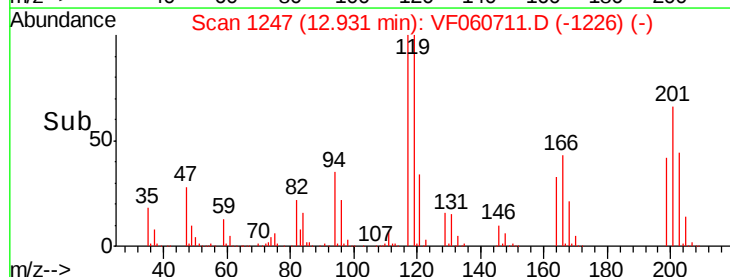
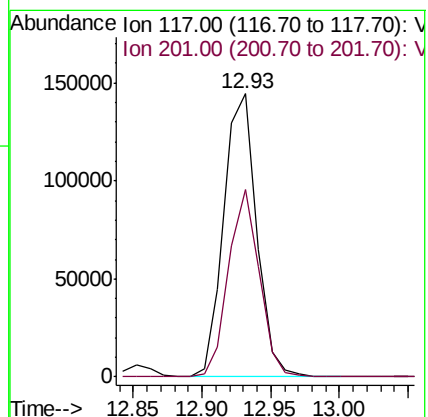
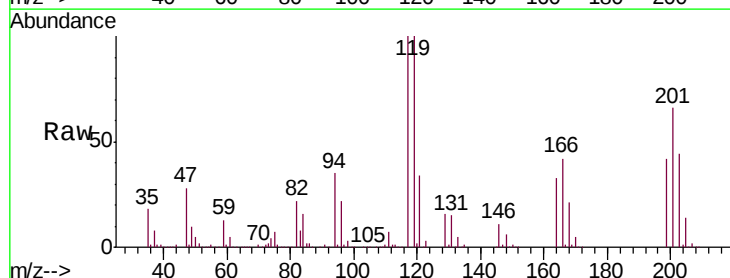
Acq: 13 Nov 2018 13:33

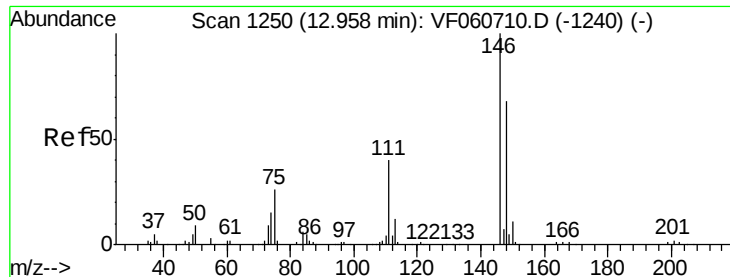
Tgt Ion: 117 Resp: 239439

Ion Ratio Lower Upper

117 100

201 66.2 29.4 88.3





#91

1,2-Dichlorobenzene

Concen: 69.532 ug/l

RT: 12.95 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

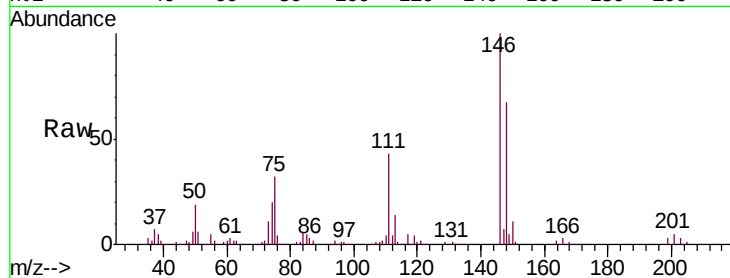
Tgt Ion:146 Resp: 398450

Ion Ratio Lower Upper

146 100

111 43.4 20.3 60.8

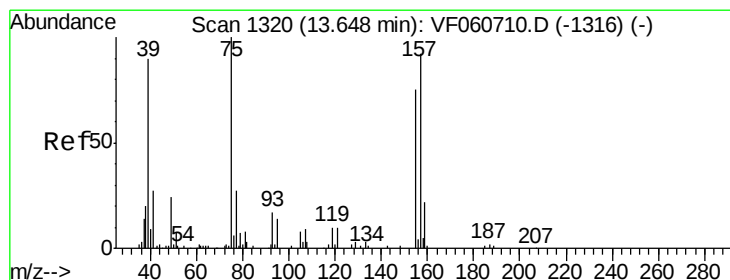
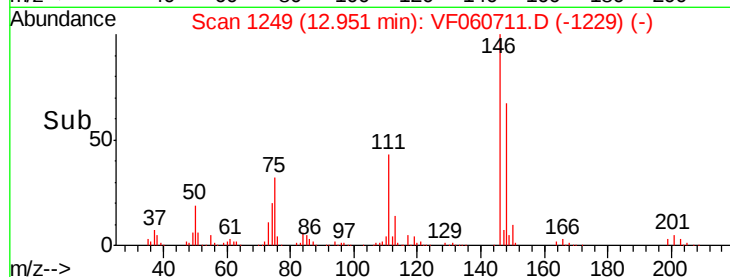
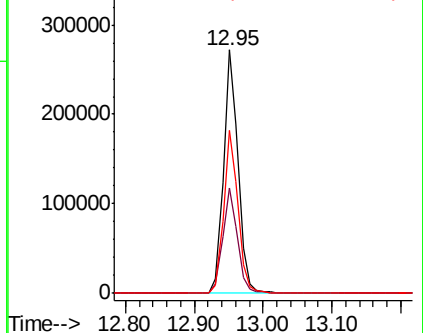
148 67.1 34.1 102.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 71.688 ug/l

RT: 13.65 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

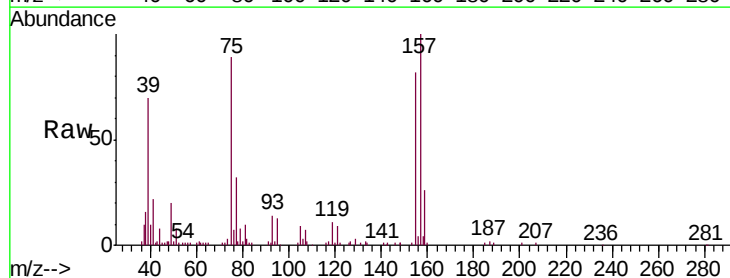
Tgt Ion: 75 Resp: 32729

Ion Ratio Lower Upper

75 100

155 92.9 37.4 112.2

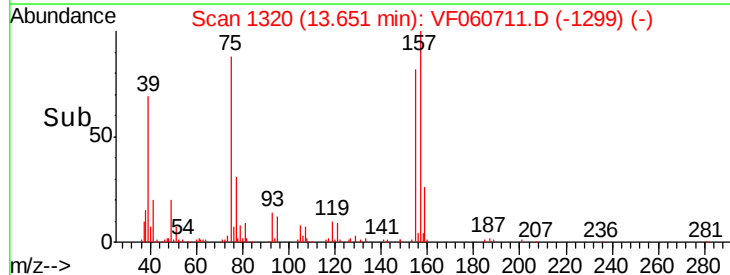
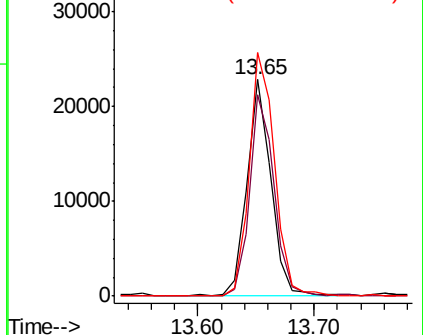
157 112.7 46.0 138.0

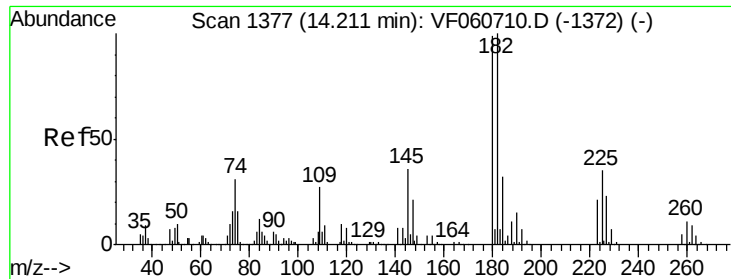


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

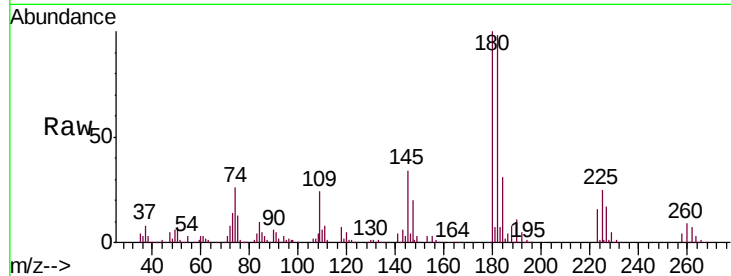




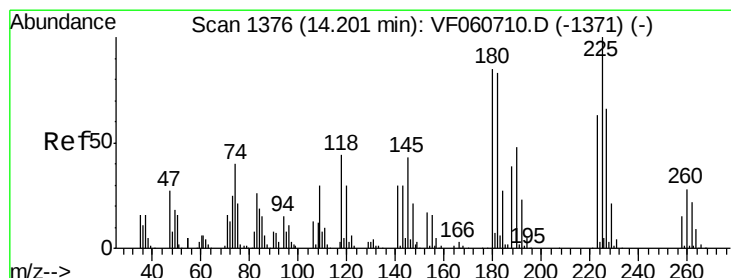
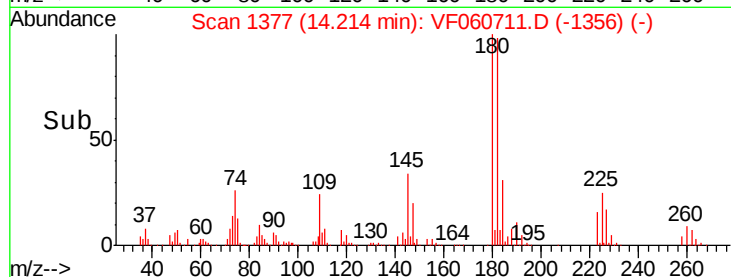
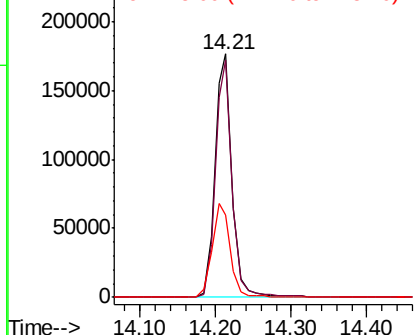
#93
 1,2,4-Trichlorobenzene
 Concen: 68.253 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VF060711.D
 Acq: 13 Nov 2018 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion:180 Resp: 281119
 Ion Ratio Lower Upper
 180 100
 182 97.6 50.3 151.0
 145 33.6 18.3 54.9

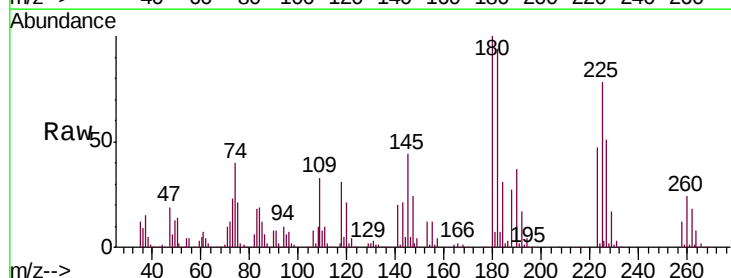


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

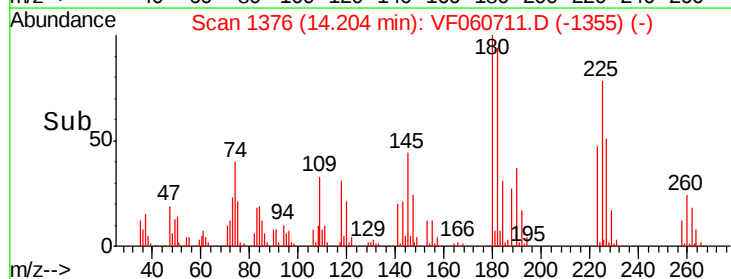
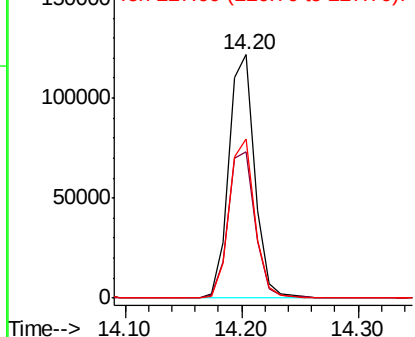


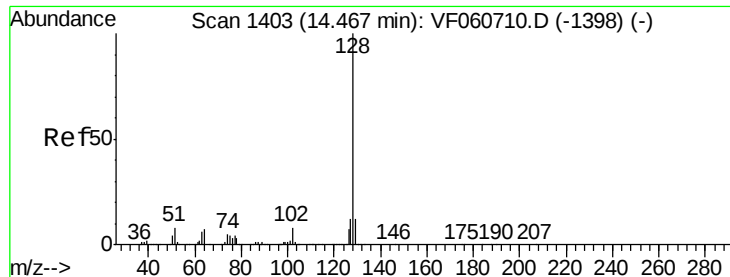
#94
 Hexachlorobutadiene
 Concen: 69.786 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VF060711.D
 Acq: 13 Nov 2018 13:33

Tgt Ion:225 Resp: 187829
 Ion Ratio Lower Upper
 225 100
 223 60.0 31.5 94.5
 227 65.1 33.0 99.0



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





#95

Naphthalene

Concen: 73.146 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

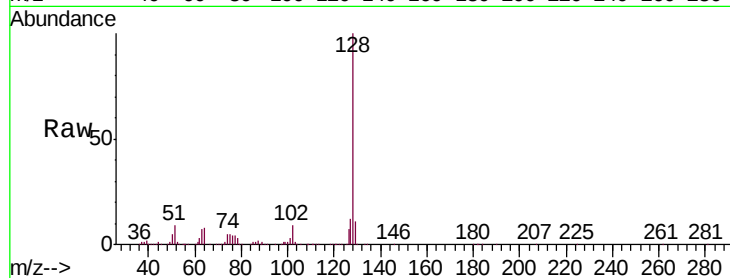
Tgt Ion:128 Resp: 549725

Ion Ratio Lower Upper

128 100

127 12.2 9.8 14.6

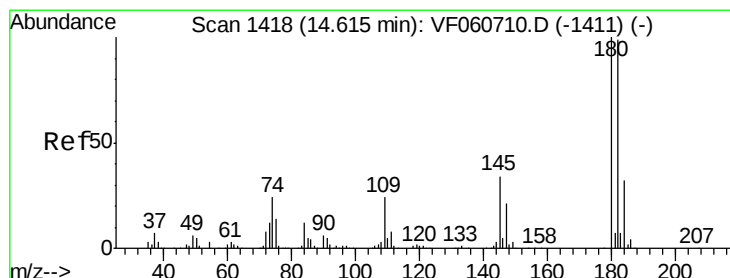
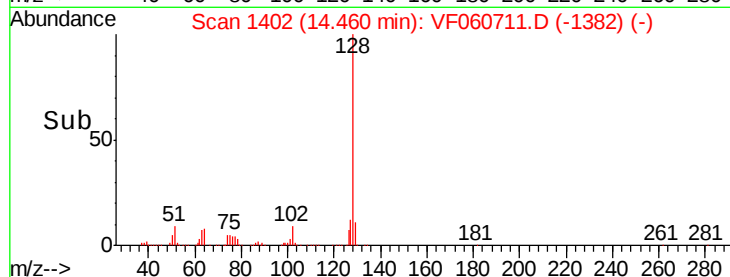
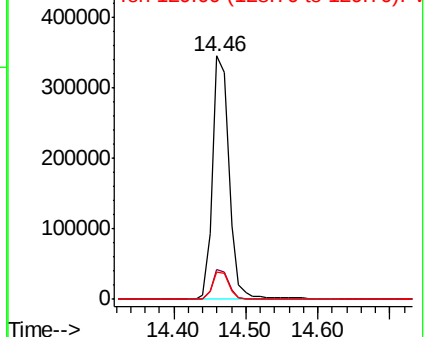
129 11.3 9.3 13.9



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: 69.709 ug/l

RT: 14.61 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

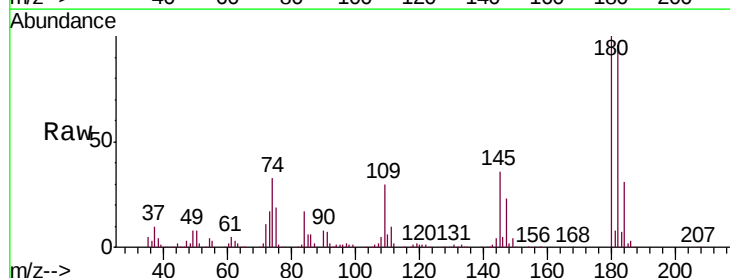
Tgt Ion:180 Resp: 265310

Ion Ratio Lower Upper

180 100

182 96.4 49.6 149.0

145 36.3 16.9 50.7



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

