

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF102918\
 Data File : VF060537.D
 Acq On : 29 Oct 2018 19:19
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Quant Time: Oct 30 04:22:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 04:16:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	272955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	449104	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	377001	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	216515	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	635872	121.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	243.30%	
35) Dibromofluoromethane	4.30	113	592163	113.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	227.80%	
50) Toluene-d8	7.72	98	1414886	130.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	261.28%	
62) 4-Bromofluorobenzene	11.52	95	627657	107.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	661419	93.997	ug/l	97
3) Chloromethane	1.15	50	414310	122.250	ug/l	89
4) Vinyl Chloride	1.19	62	468391	122.068	ug/l	95
5) Bromomethane	1.37	94	371346	98.720	ug/l	97
6) Chloroethane	1.43	64	264092	113.691	ug/l	95
7) Trichlorofluoromethane	1.55	101	1100871	93.090	ug/l	97
8) Diethyl Ether	1.71	74	161778	140.760	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.90	101	530527	103.899	ug/l	94
10) Methyl Iodide	1.98	142	914475	125.009	ug/l	91
11) Tert butyl alcohol	2.70	59	152921	557.956	ug/l	100
12) 1,1-Dichloroethene	1.87	96	461772	124.393	ug/l	95
13) Acrolein	2.09	56	118556	522.499	ug/l	98
14) Allyl chloride	2.19	41	766905	128.732	ug/l	86
15) Acrylonitrile	3.08	53	328866	752.279	ug/l	96
16) Acetone	2.34	43	612646	500.468	ug/l	98
17) Carbon Disulfide	1.92	76	1272126	122.510	ug/l	95
18) Methyl Acetate	2.46	43	208061	120.901	ug/l	100
19) Methyl tert-butyl Ether	2.55	73	1101290	119.271	ug/l	98
20) Methylene Chloride	2.28	84	157795	42.112	ug/l	96
21) trans-1,2-Dichloroethene	2.42	96	481229	133.528	ug/l	98
22) Diisopropyl ether	2.93	45	1364734	128.323	ug/l	98
23) Vinyl Acetate	3.34	43	2398842	689.207	ug/l	98
24) 1,1-Dichloroethane	3.01	63	962223	120.362	ug/l	98
25) 2-Butanone	4.52	43	684473	696.799	ug/l	95
26) 2,2-Dichloropropane	3.77	77	492344	92.581	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	523709	146.216	ug/l	98
28) Bromochloromethane	3.90	49	312449	125.865	ug/l	98
29) Tetrahydrofuran	4.25	42	244745	636.323	ug/l	99
30) Chloroform	4.05	83	1139494	120.539	ug/l	99
31) Cyclohexane	3.87	56	630940	148.351	ug/l	99
32) 1,1,1-Trichloroethane	4.28	97	920149	107.180	ug/l	97
36) 1,1-Dichloropropene	4.47	75	807446	123.941	ug/l	97
37) Ethyl Acetate	4.30	43	244419	113.740	ug/l #	76
38) Carbon Tetrachloride	4.18	117	1086602	114.572	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	763705	139.260	ug/l	98
40) Benzene	4.82	78	1548424	139.757	ug/l	99
41) Methacrylonitrile	4.93	41	146509	132.442	ug/l #	94
42) 1,2-Dichloroethane	5.13	62	783412	115.881	ug/l	93
43) Isopropyl Acetate	7.12	43	319555	137.915	ug/l #	91
44) Trichloroethene	5.68	130	498499	131.271	ug/l	94
45) 1,2-Dichloropropane	6.41	63	390444	140.633	ug/l	97
46) Dibromomethane	6.26	93	329100	128.988	ug/l	95
47) Bromodichloromethane	6.56	83	853786	121.150	ug/l	99
48) Methyl methacrylate	6.88	41	235632	137.341	ug/l	97
49) 1,4-Dioxane	6.87	88	44190	2924.291	ug/l #	82
51) 4-Methyl-2-Pentanone	8.41	43	1043792	591.812	ug/l	98
52) Toluene	7.79	92	982065	134.621	ug/l	94
53) t-1,3-Dichloropropene	8.44	75	624738	118.505	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	743959	134.786	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	306520	135.215	ug/l	98
56) Ethyl methacrylate	8.77	69	333898	134.812	ug/l #	90
57) 1,3-Dichloropropane	9.01	76	487283	121.445	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.79	63	184695	577.838	ug/l	100
59) 2-Hexanone	9.63	43	697382	530.875	ug/l	93
60) Dibromochloromethane	8.88	129	509209	120.947	ug/l	94
61) 1,2-Dibromoethane	9.14	107	354598	132.293	ug/l	96
64) Tetrachloroethene	8.31	164	450777	138.815	ug/l	97
65) Chlorobenzene	9.95	112	1044004	130.511	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.08	131	504016	126.152	ug/l	95
67) Ethyl Benzene	10.05	91	1961085	121.873	ug/l	95
68) m/p-Xylenes	10.29	106	1325864	260.261	ug/l	89
69) o-Xylene	10.84	106	751838	130.253	ug/l	100
70) Styrene	10.92	104	1067120	132.211	ug/l	96
71) Bromoform	10.90	173	275417	127.975	ug/l #	92
73) Isopropylbenzene	11.23	105	2149529	125.018	ug/l	96
74) N-amyl acetate	11.47	43	476358	152.594	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.79	83	378437	148.343	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	300318	138.545	ug/l	99
77) Bromobenzene	11.61	156	516719	142.868	ug/l	82
78) n-propylbenzene	11.69	91	2467866	123.088	ug/l	93
79) 2-Chlorotoluene	11.82	91	1539884	126.766	ug/l	87
80) 1,3,5-Trimethylbenzene	11.92	105	1827110	121.407	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	194129	213.232	ug/l	94
82) 4-Chlorotoluene	12.00	91	1572440	122.269	ug/l	92
83) tert-Butylbenzene	12.23	119	1730663	115.387	ug/l	99
84) 1,2,4-Trimethylbenzene	12.30	105	1867923	125.380	ug/l	94
85) sec-Butylbenzene	12.39	105	2453804	120.573	ug/l	94
86) p-Isopropyltoluene	12.54	119	2010513	116.815	ug/l	95
87) 1,3-Dichlorobenzene	12.56	146	924781	126.328	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	937331	132.987	ug/l	97
89) n-Butylbenzene	12.93	91	1963660	107.101	ug/l	92
90) Hexachloroethane	13.01	117	566101	125.728	ug/l	70
91) 1,2-Dichlorobenzene	13.03	146	880739	125.512	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.72	75	93855	151.453	ug/l	90

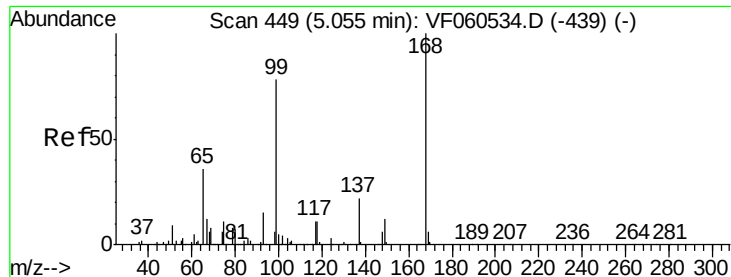
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF102918\
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QLast Update : Tue Oct 30 04:16:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	647449	115.279	ug/l	94
94) Hexachlorobutadiene	14.26	225	484973	117.179	ug/l	95
95) Naphthalene	14.52	128	1286370	142.461	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	650014	125.641	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 449

Delta R.T. 0.01 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

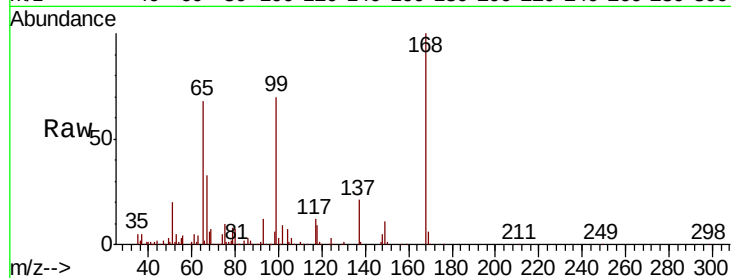
VSTDIC150

Tgt Ion:168 Resp: 272955

Ion Ratio Lower Upper

168 100

99 69.9 62.6 93.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

100000

80000

60000

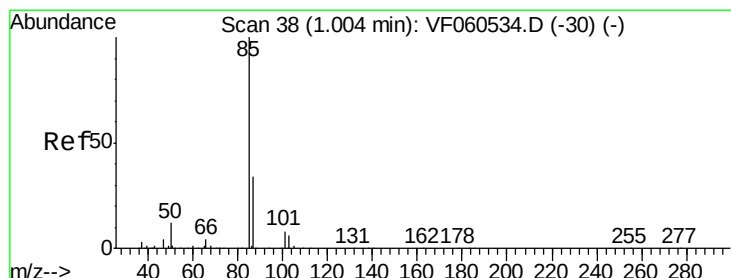
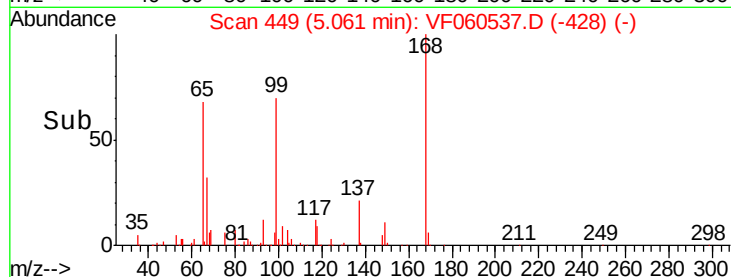
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 93.997 ug/l

RT: 1.00 min Scan# 37

Delta R.T. -0.00 min

Lab File: VF060537.D

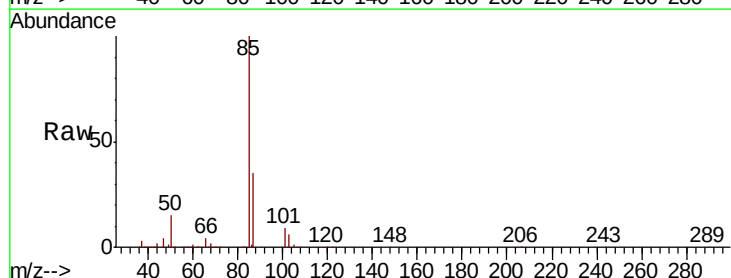
Acq: 29 Oct 2018 19:19

Tgt Ion: 85 Resp: 661419

Ion Ratio Lower Upper

85 100

87 35.4 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

200000

150000

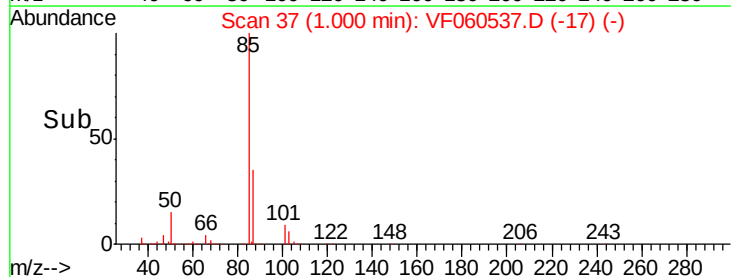
100000

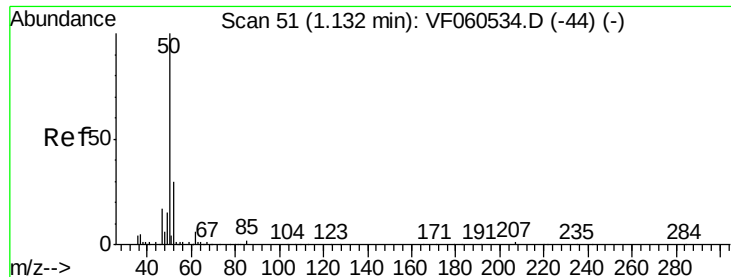
50000

0

0.80 1.00 1.20

Time-->





#3

Chloromethane

Concen: 122.250 ug/l

RT: 1.15 min Scan# 52

Delta R.T. 0.02 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

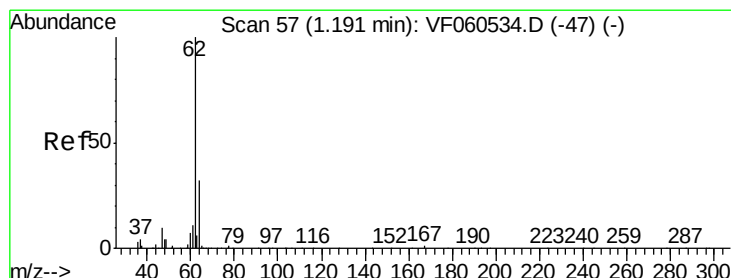
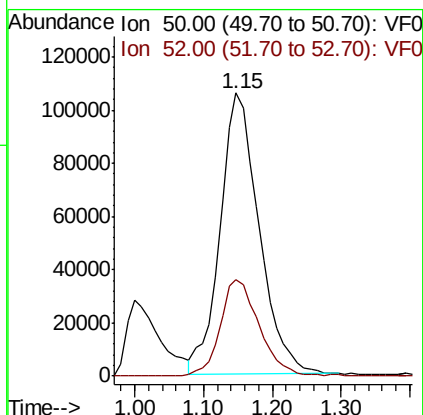
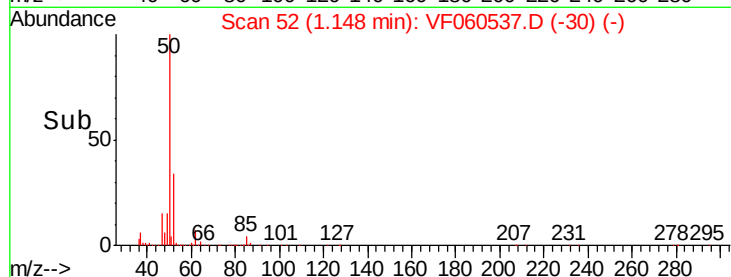
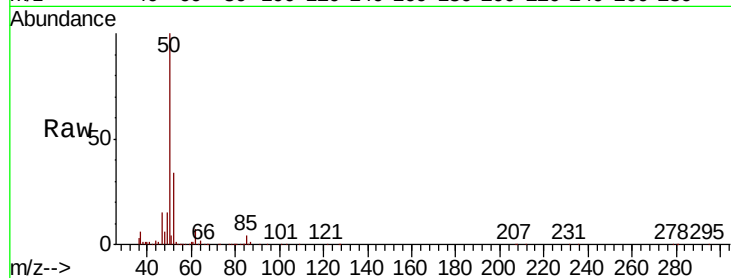
VSTDIC150

Tgt Ion: 50 Resp: 414310

Ion Ratio Lower Upper

50 100

52 34.1 22.8 34.2



#4

Vinyl Chloride

Concen: 122.068 ug/l

RT: 1.19 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF060537.D

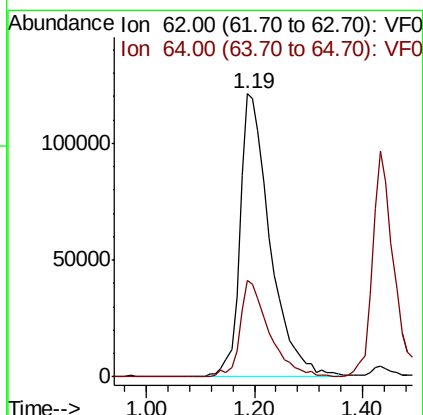
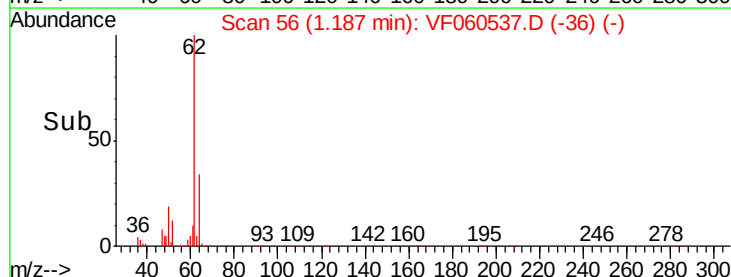
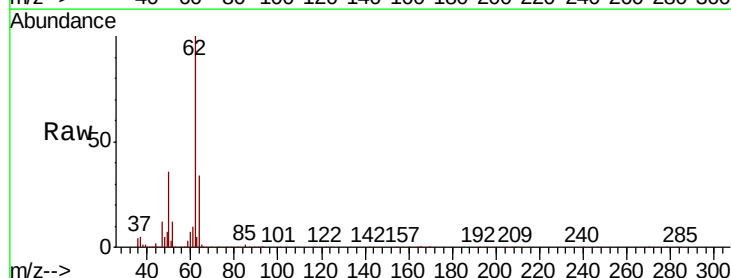
Acq: 29 Oct 2018 19:19

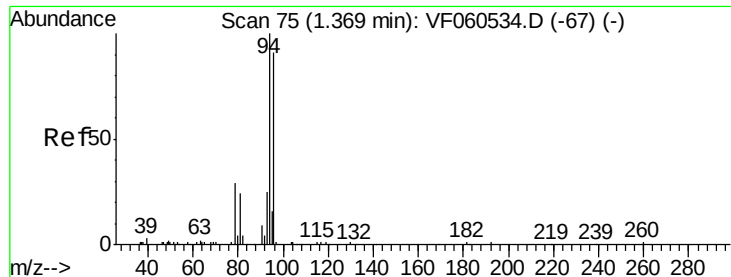
Tgt Ion: 62 Resp: 468391

Ion Ratio Lower Upper

62 100

64 34.3 25.3 37.9





#5

Bromomethane

Concen: 98.720 ug/l

RT: 1.37 min Scan# 75

Delta R.T. 0.01 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

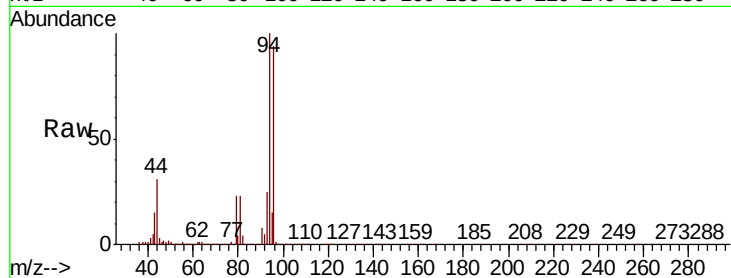
VSTDIC150

Tgt Ion: 94 Resp: 371346

Ion Ratio Lower Upper

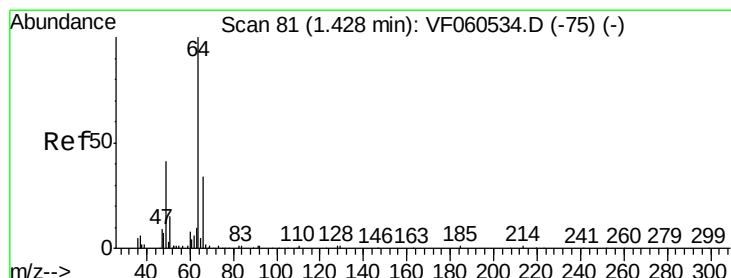
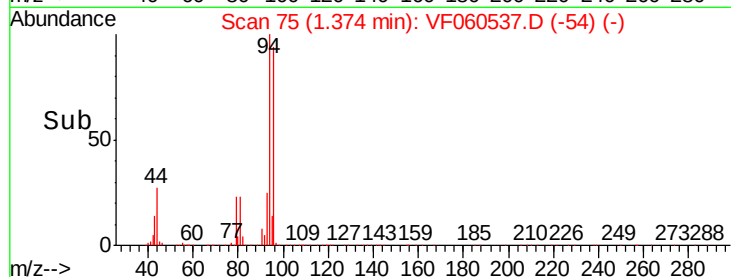
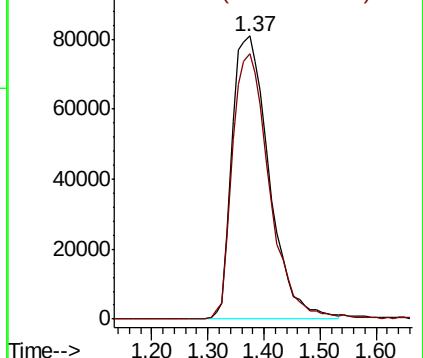
94 100

96 94.0 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 113.691 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF060537.D

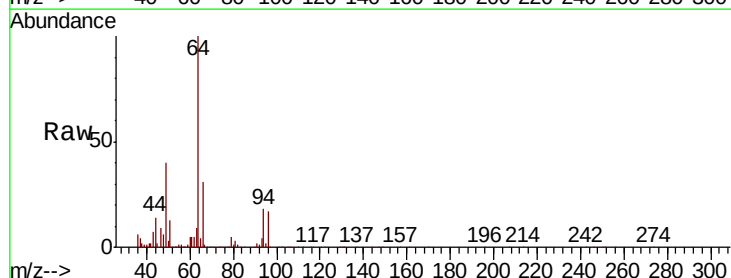
Acq: 29 Oct 2018 19:19

Tgt Ion: 64 Resp: 264092

Ion Ratio Lower Upper

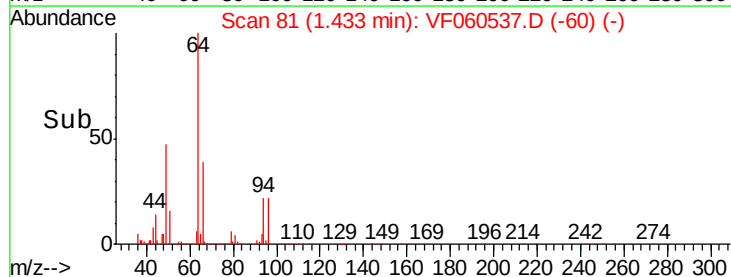
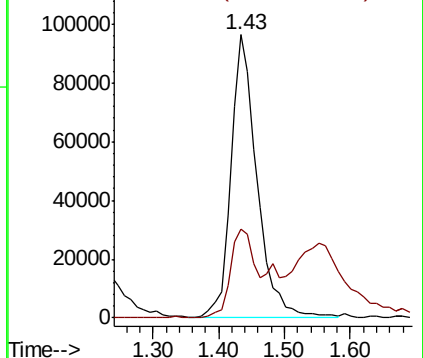
64 100

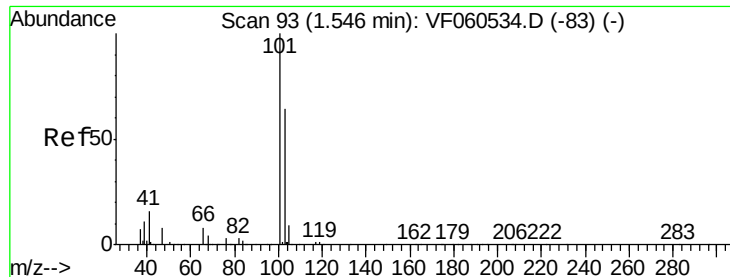
66 31.2 27.1 40.7



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



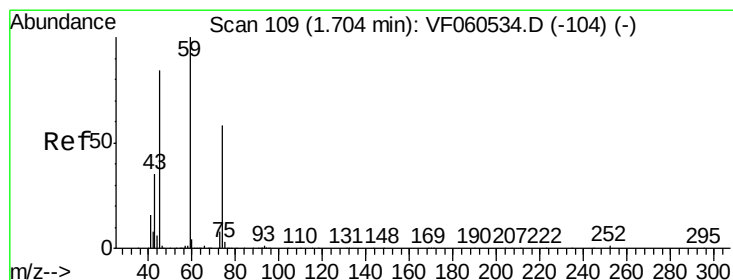
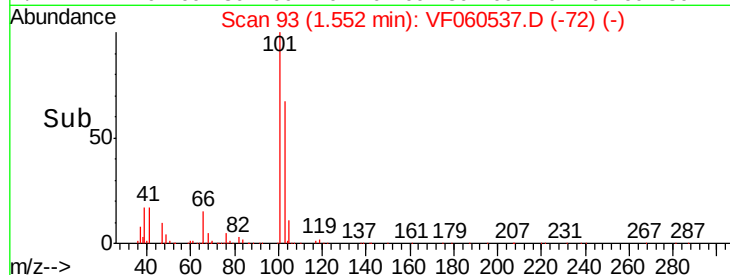
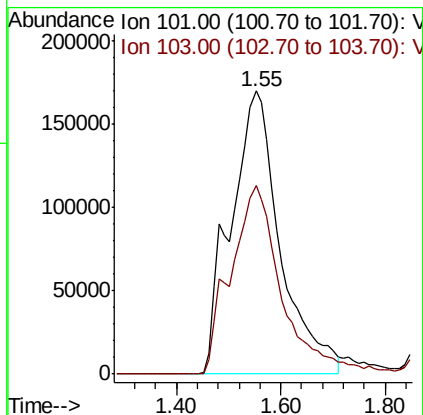
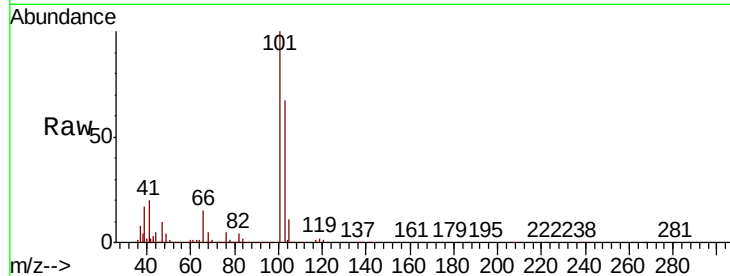


#7

Trichlorofluoromethane
Concen: 93.090 ug/l
RT: 1.55 min Scan# 93
Delta R.T. 0.01 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

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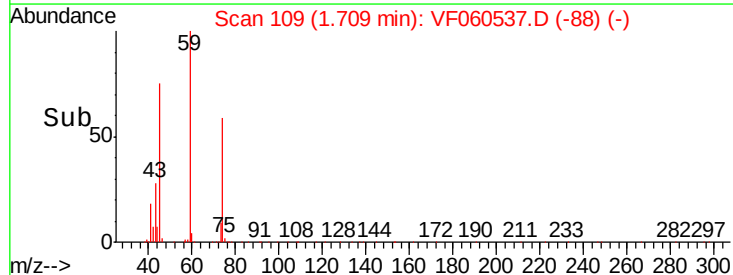
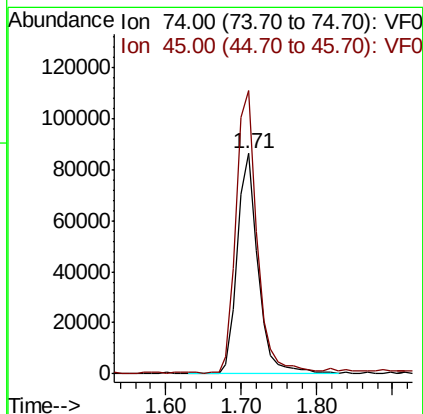
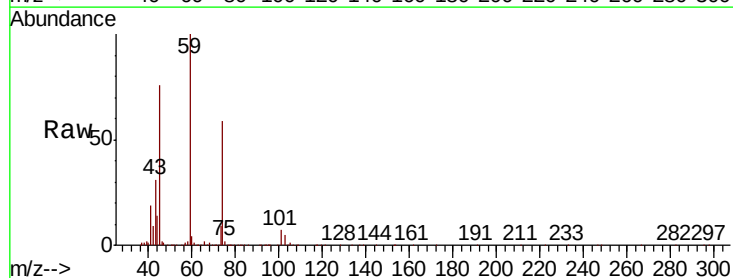
Tgt Ion:101 Resp: 1100871
Ion Ratio Lower Upper
101 100
103 66.7 51.6 77.4

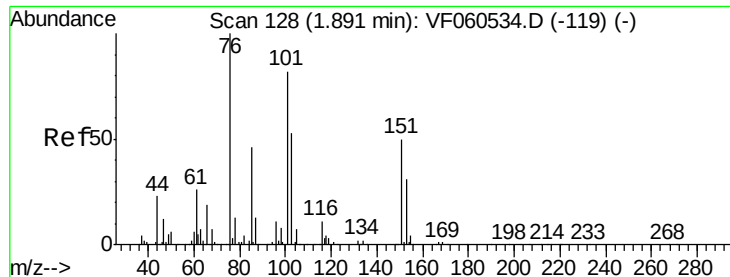


#8

Diethyl Ether
Concen: 140.760 ug/l
RT: 1.71 min Scan# 109
Delta R.T. 0.01 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Tgt Ion: 74 Resp: 161778
Ion Ratio Lower Upper
74 100
45 128.5 72.9 218.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 103.899 ug/l

RT: 1.90 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

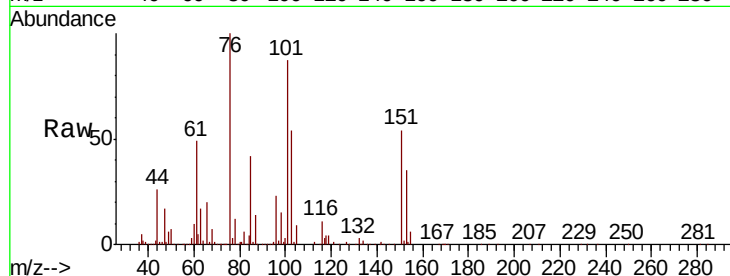
Tgt Ion:101 Resp: 530527

Ion Ratio Lower Upper

101 100

85 48.3 44.6 67.0

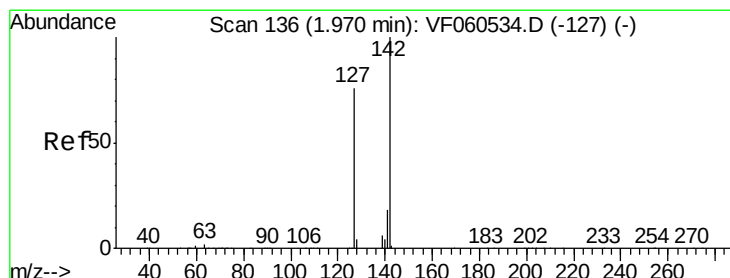
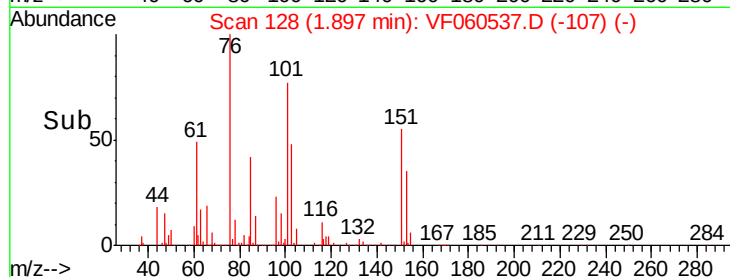
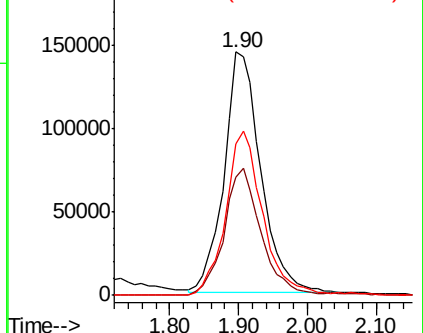
151 62.5 48.4 72.6



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: 125.009 ug/l

RT: 1.98 min Scan# 136

Delta R.T. 0.01 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

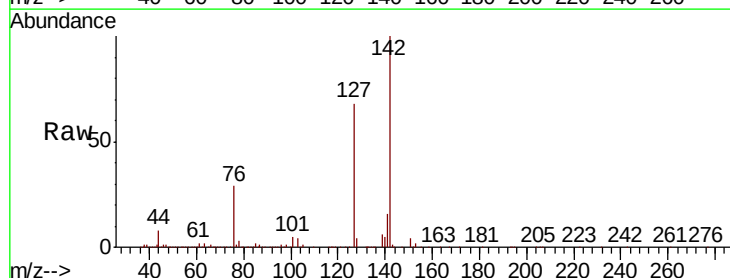
Tgt Ion:142 Resp: 914475

Ion Ratio Lower Upper

142 100

127 68.0 61.2 91.8

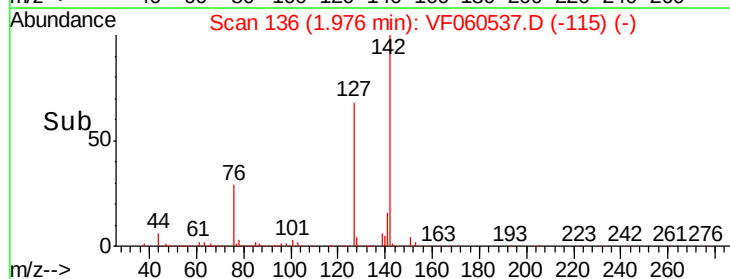
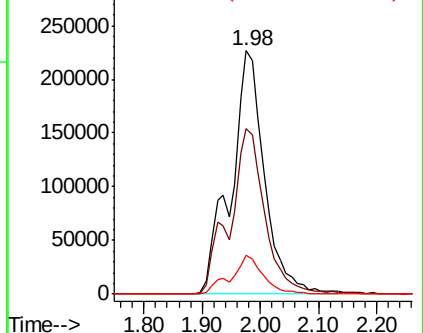
141 16.2 14.0 21.0

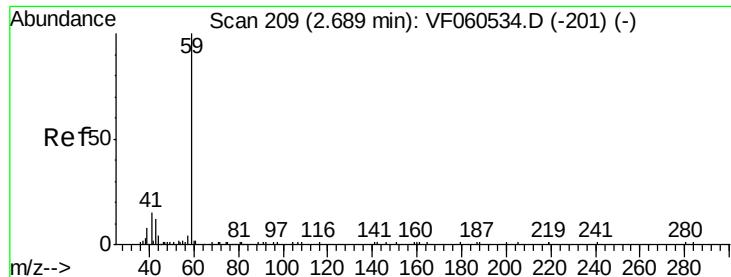


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

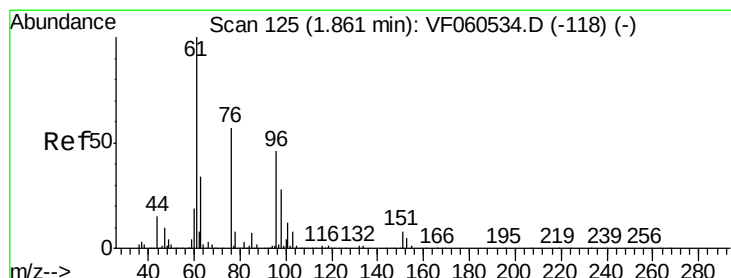
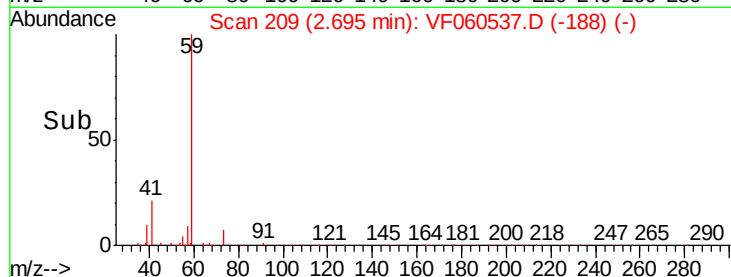
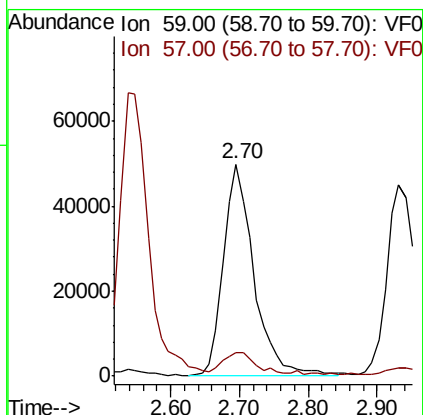
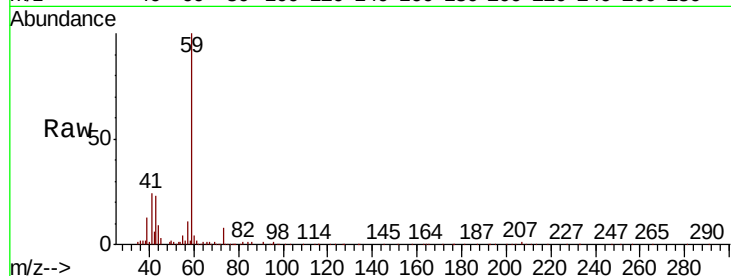




#11
Tert butyl alcohol
Concen: 557.956 ug/l
RT: 2.70 min Scan# 209
Delta R.T. 0.01 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

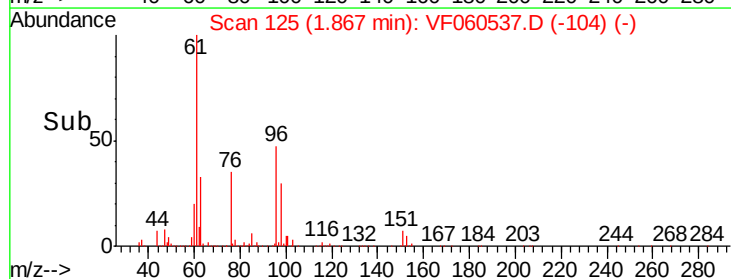
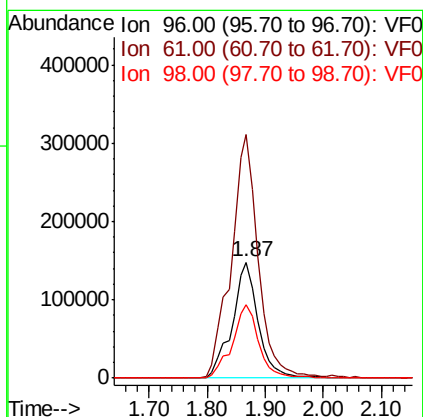
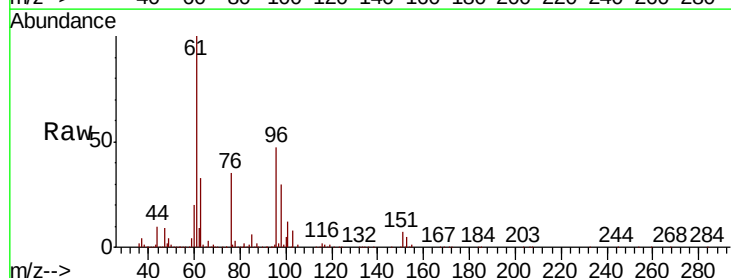
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

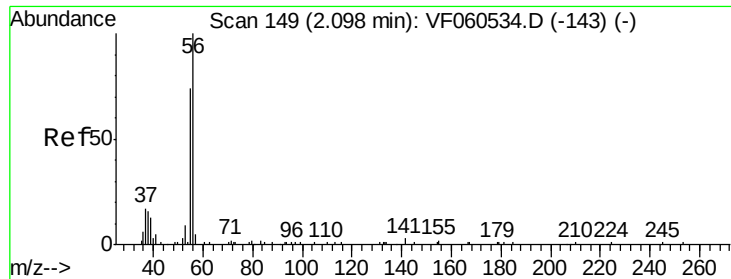
Tgt Ion: 59 Resp: 152921
Ion Ratio Lower Upper
59 100
57 11.1 8.9 13.3



#12
1,1-Dichloroethene
Concen: 124.393 ug/l
RT: 1.87 min Scan# 125
Delta R.T. 0.01 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Tgt Ion: 96 Resp: 461772
Ion Ratio Lower Upper
96 100
61 210.6 175.4 263.2
98 63.4 48.9 73.3

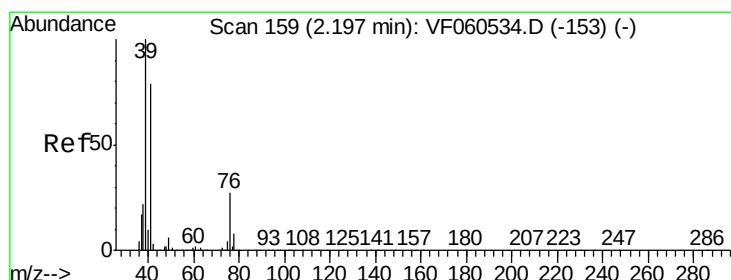
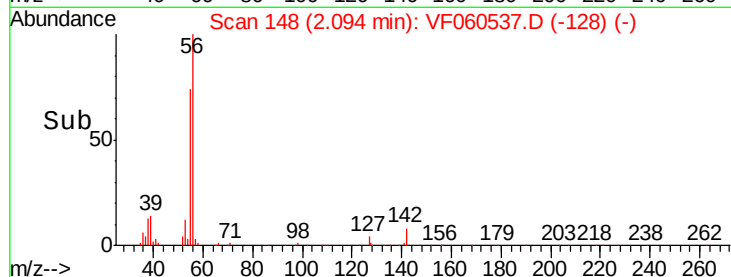
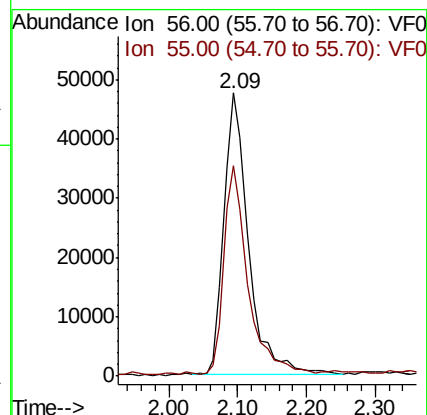
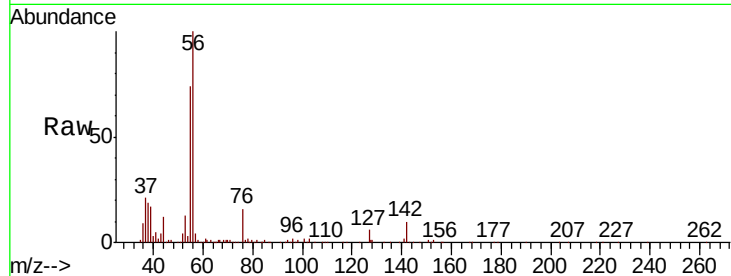




#13
Acrolein
Concen: 522.499 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

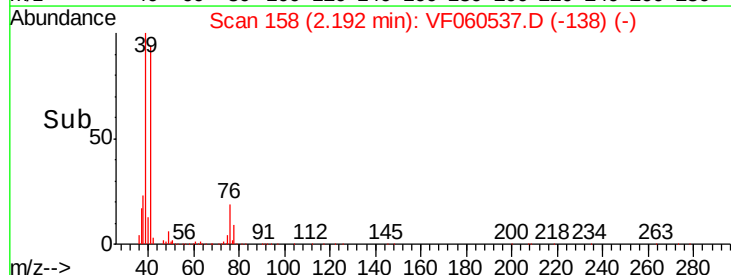
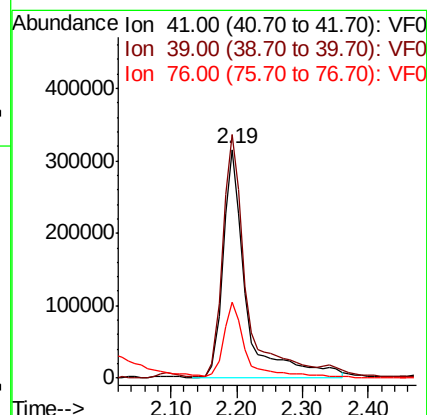
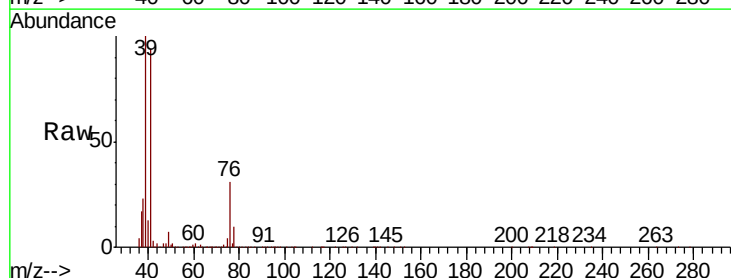
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

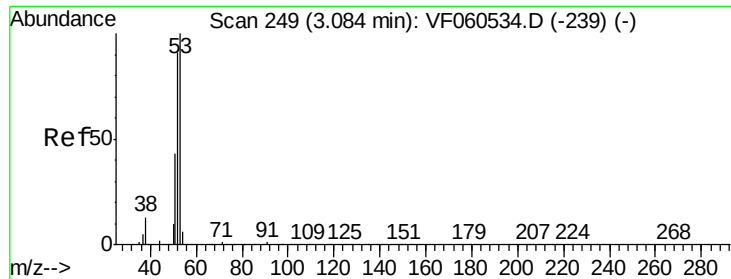
Tgt Ion: 56 Resp: 118556
Ion Ratio Lower Upper
56 100
55 74.1 60.4 90.6



#14
Allyl chloride
Concen: 128.732 ug/l
RT: 2.19 min Scan# 158
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Tgt Ion: 41 Resp: 766905
Ion Ratio Lower Upper
41 100
39 106.7 100.6 151.0
76 33.3 27.6 41.4





#15

Acrylonitrile

Concen: 752.279 ug/l

RT: 3.08 min Scan# 248

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

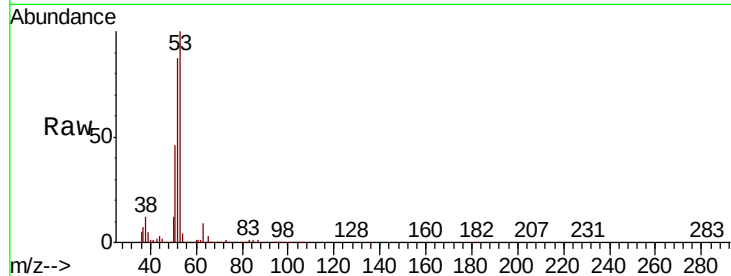
Tgt Ion: 53 Resp: 328866

Ion Ratio Lower Upper

53 100

52 86.9 73.2 109.8

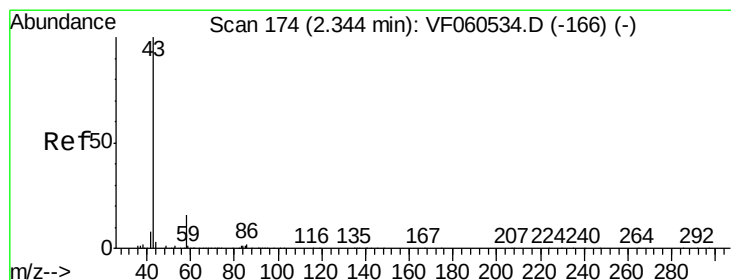
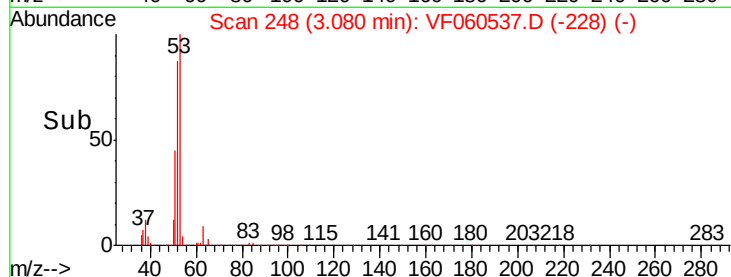
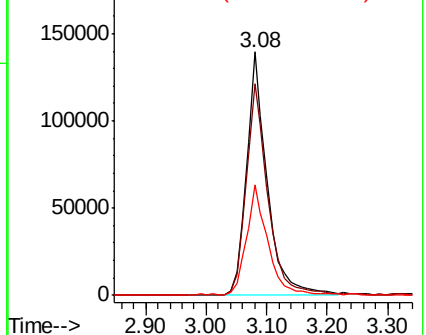
51 45.6 35.0 52.4



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 500.468 ug/l

RT: 2.34 min Scan# 173

Delta R.T. -0.00 min

Lab File: VF060537.D

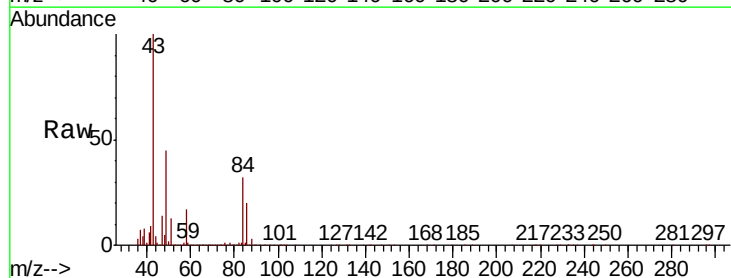
Acq: 29 Oct 2018 19:19

Tgt Ion: 43 Resp: 612646

Ion Ratio Lower Upper

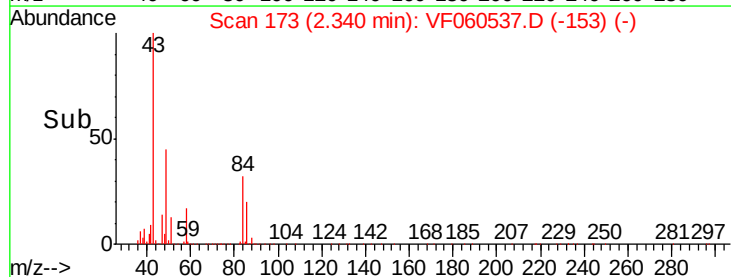
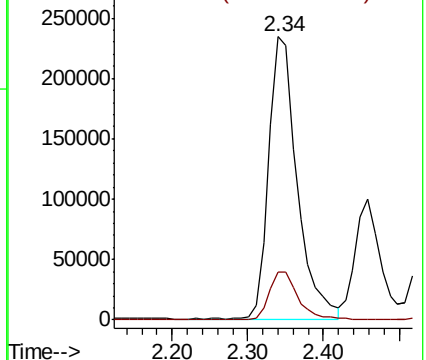
43 100

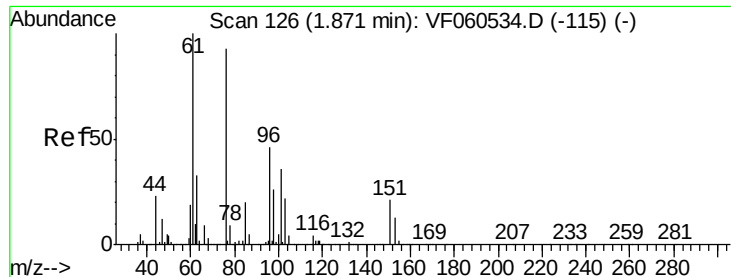
58 17.0 12.8 19.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 122.510 ug/l

RT: 1.92 min Scan# 130

Delta R.T. 0.05 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

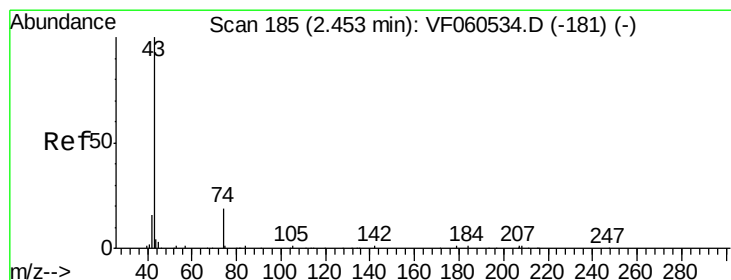
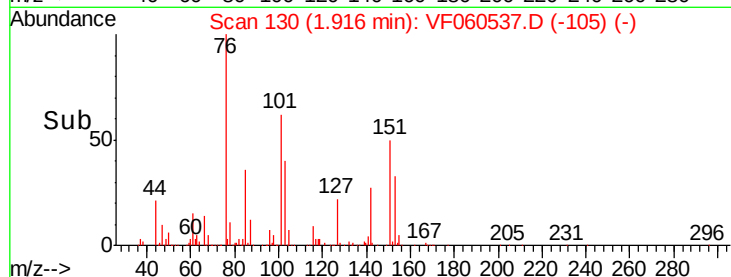
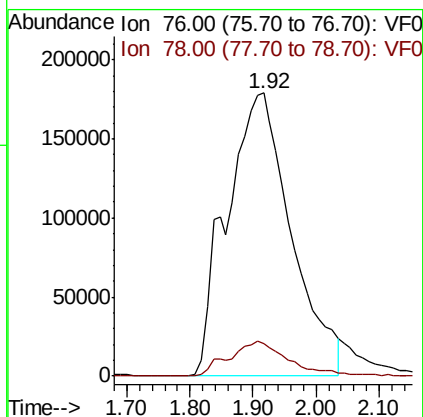
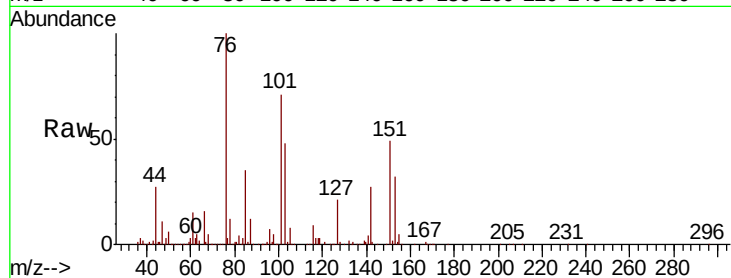
VSTDIC150

Tgt Ion: 76 Resp: 1272126

Ion Ratio Lower Upper

76 100

78 11.7 8.0 12.0



#18

Methyl Acetate

Concen: 120.901 ug/l

RT: 2.46 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF060537.D

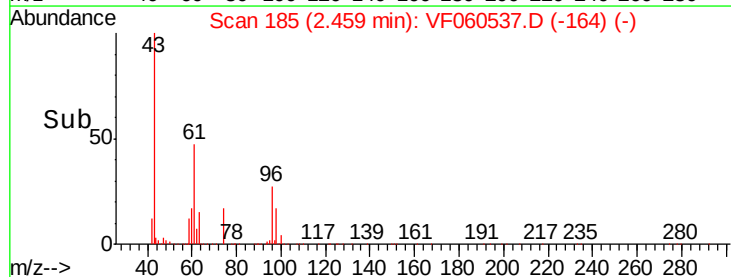
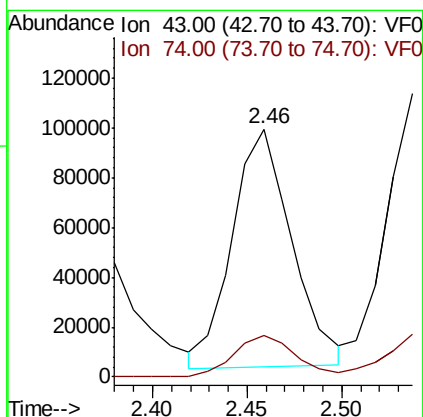
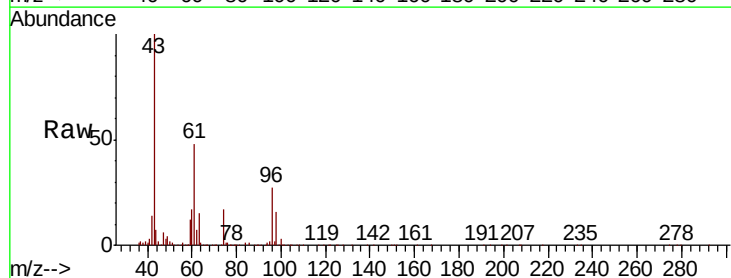
Acq: 29 Oct 2018 19:19

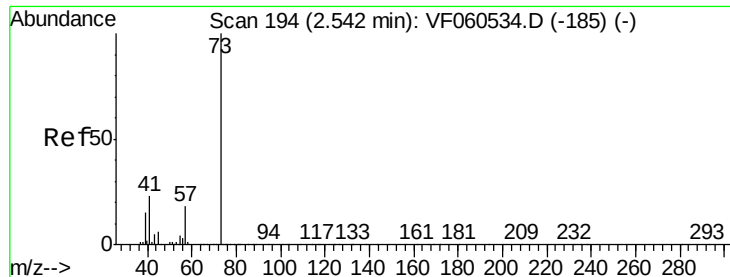
Tgt Ion: 43 Resp: 208061

Ion Ratio Lower Upper

43 100

74 16.8 13.5 20.3



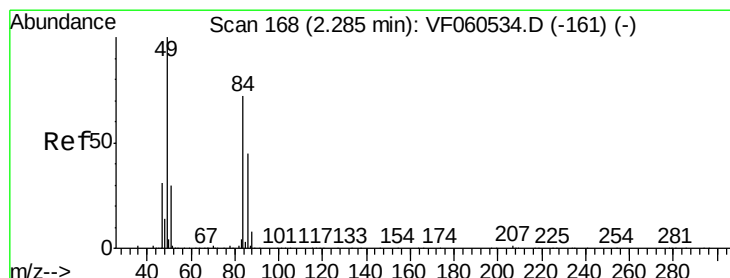
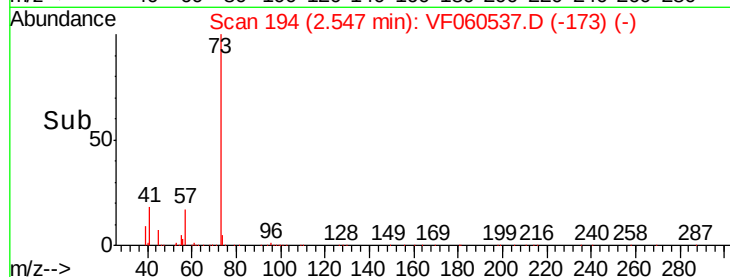
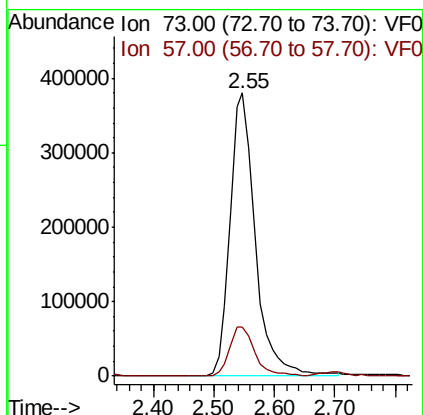
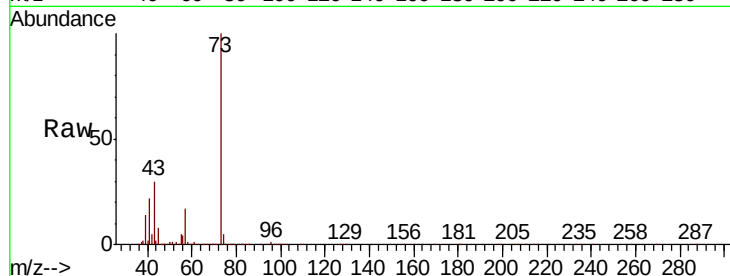


#19

Methyl tert-butyl Ether
 Concen: 119.271 ug/l
 RT: 2.55 min Scan# 194
 Delta R.T. 0.01 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

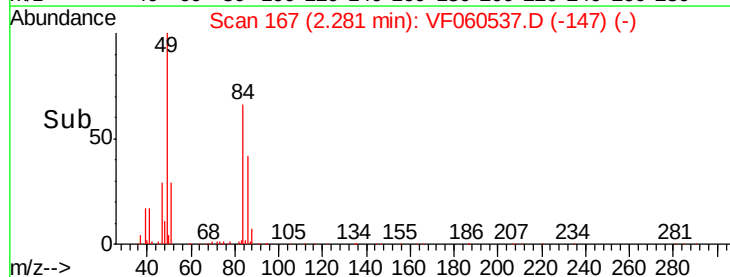
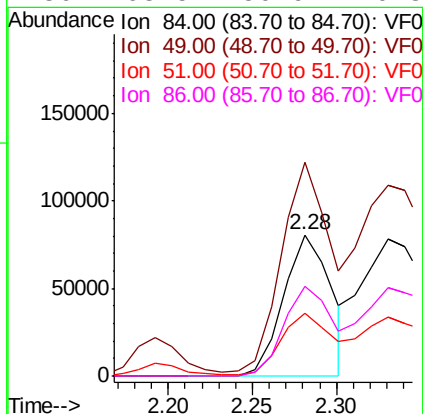
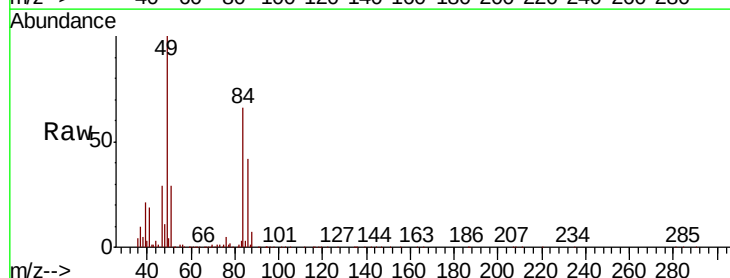
Tgt Ion: 73 Resp: 1101290
 Ion Ratio Lower Upper
 73 100
 57 17.5 14.7 22.1

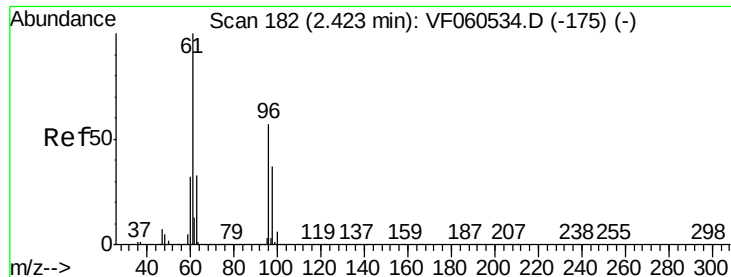


#20

Methylene Chloride
 Concen: 42.112 ug/l
 RT: 2.28 min Scan# 167
 Delta R.T. -0.00 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

Tgt Ion: 84 Resp: 157795
 Ion Ratio Lower Upper
 84 100
 49 151.7 115.4 173.0
 51 44.7 35.4 53.2
 86 63.5 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 133.528 ug/l

RT: 2.42 min Scan# 181

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

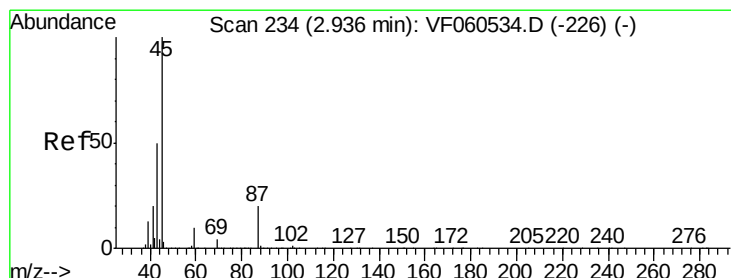
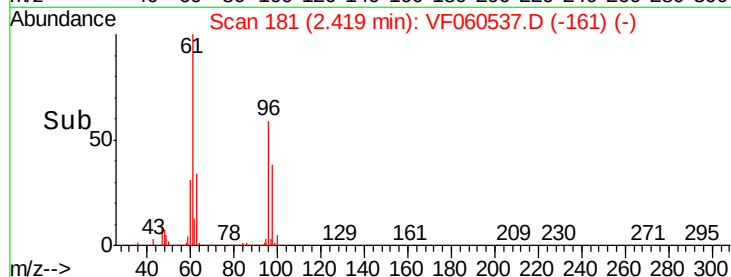
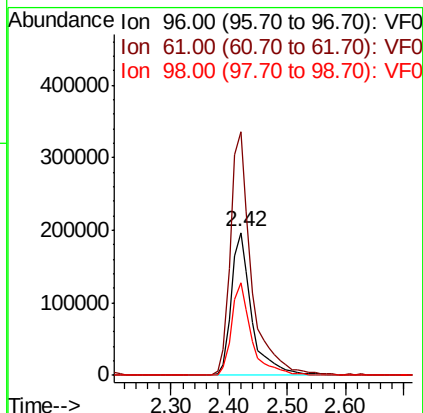
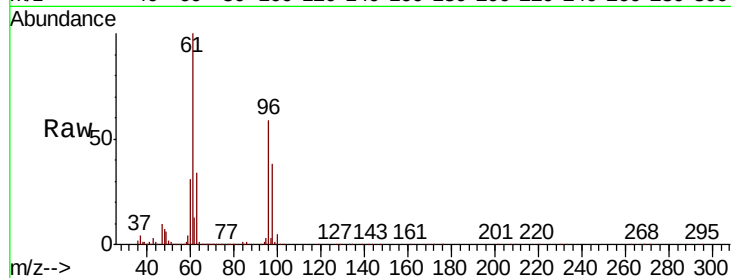
Tgt Ion: 96 Resp: 481229

Ion Ratio Lower Upper

96 100

61 170.6 139.8 209.6

98 65.3 52.2 78.4



#22

Diisopropyl ether

Concen: 128.323 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Tgt Ion: 45 Resp: 1364734

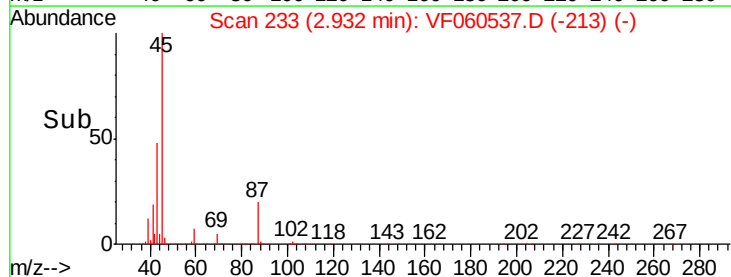
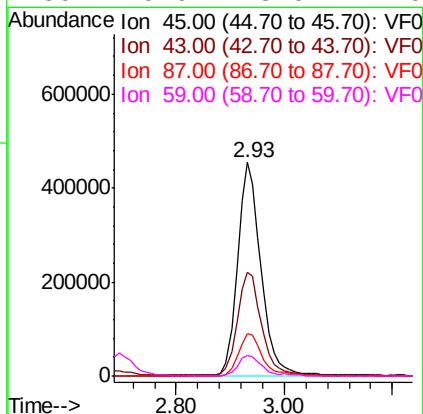
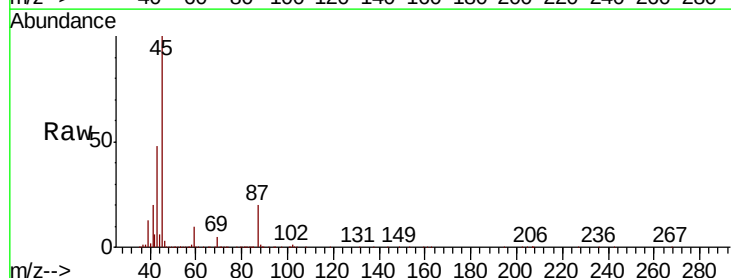
Ion Ratio Lower Upper

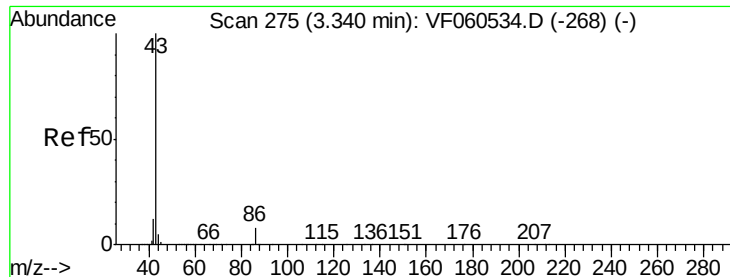
45 100

43 48.3 40.6 60.8

87 19.6 15.9 23.9

59 9.9 8.0 12.0





#23

Vinyl Acetate

Concen: 689.207 ug/l

RT: 3.34 min Scan# 274

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

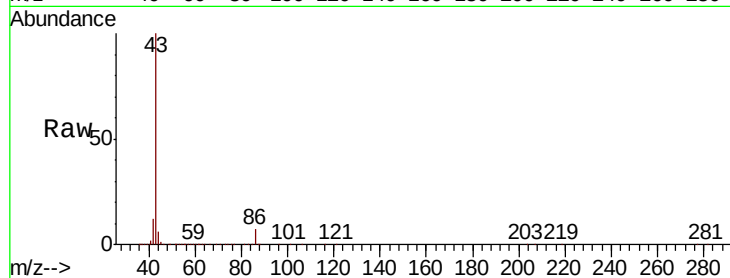
VSTDIC150

Tgt Ion: 43 Resp: 2398842

Ion Ratio Lower Upper

43 100

86 7.1 6.2 9.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.34

800000

600000

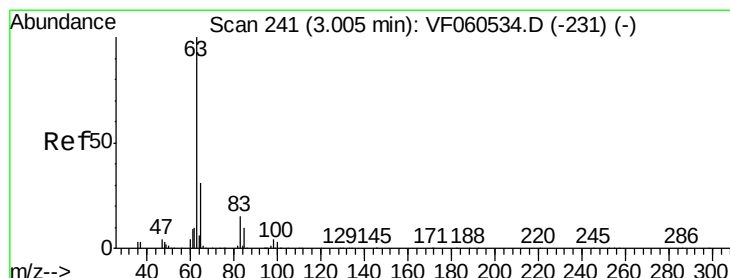
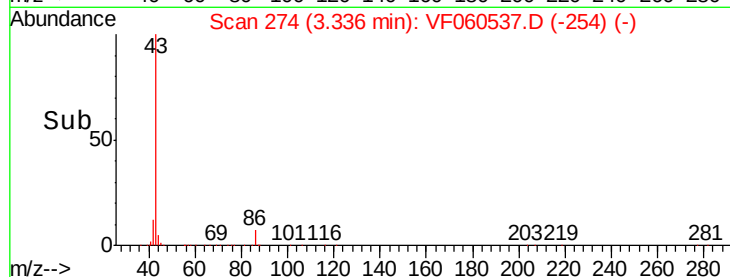
400000

200000

0

Time-->

3.20 3.30 3.40 3.50



#24

1,1-Dichloroethane

Concen: 120.362 ug/l

RT: 3.01 min Scan# 241

Delta R.T. 0.01 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

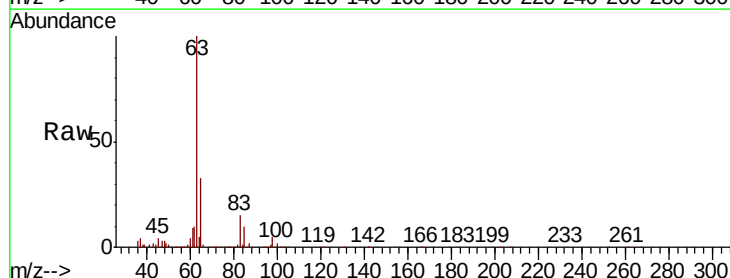
Tgt Ion: 63 Resp: 962223

Ion Ratio Lower Upper

63 100

98 4.9 2.0 6.0

100 2.5 1.4 4.0



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

3.01

400000

300000

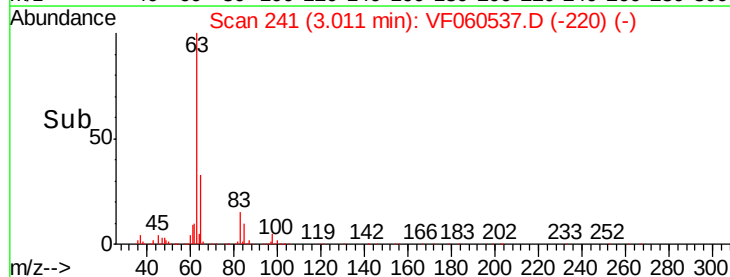
200000

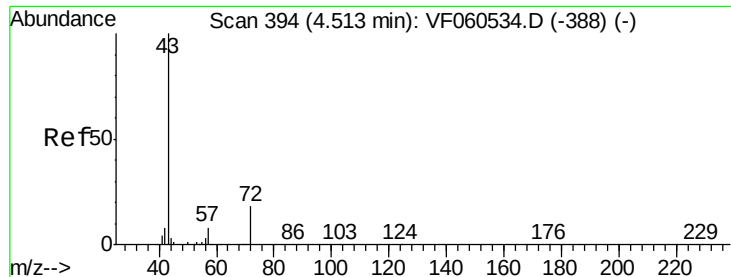
100000

0

Time-->

2.80 2.90 3.00 3.10 3.20





#25

2-Butanone

Concen: 696.799 ug/l

RT: 4.52 min Scan# 394

Delta R.T. 0.01 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

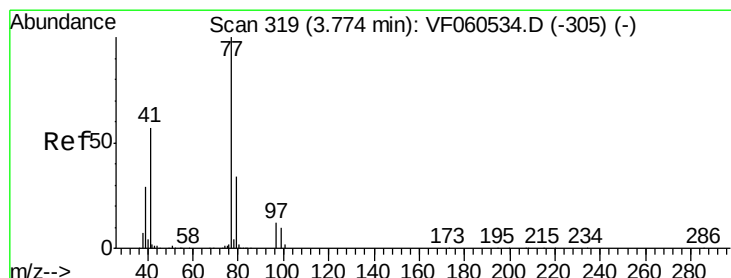
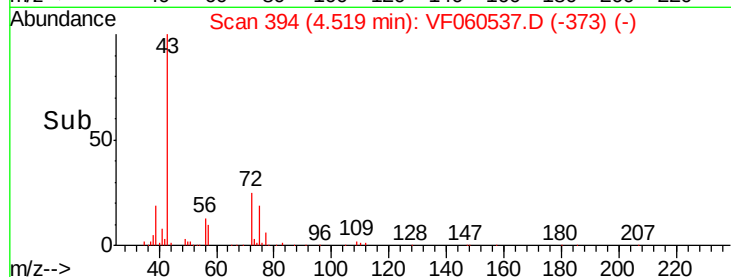
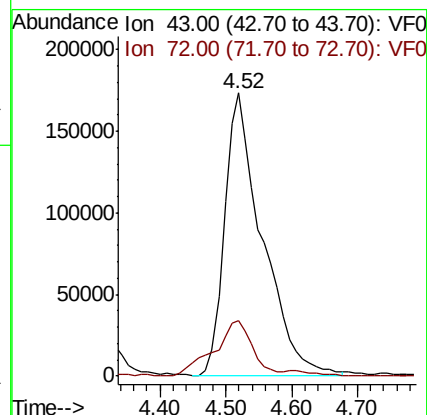
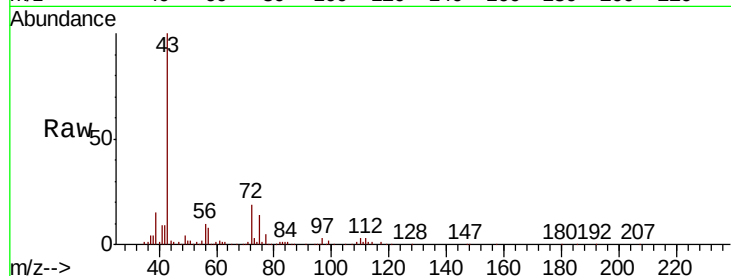
VSTDIC150

Tgt Ion: 43 Resp: 684473

Ion Ratio Lower Upper

43 100

72 19.5 17.4 26.0



#26

2,2-Dichloropropane

Concen: 92.581 ug/l

RT: 3.77 min Scan# 318

Delta R.T. -0.00 min

Lab File: VF060537.D

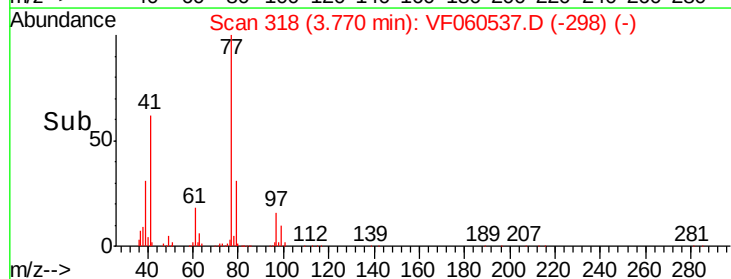
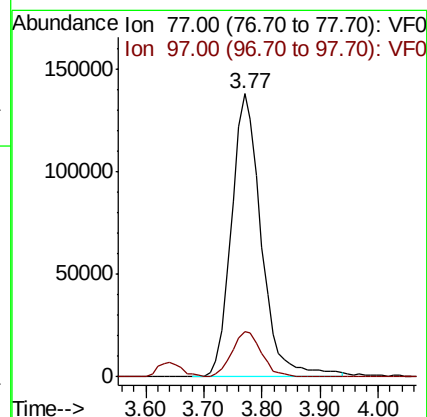
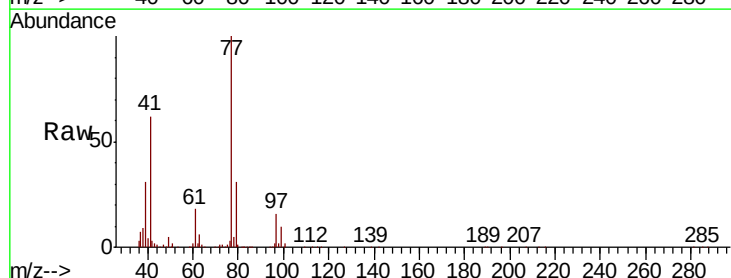
Acq: 29 Oct 2018 19:19

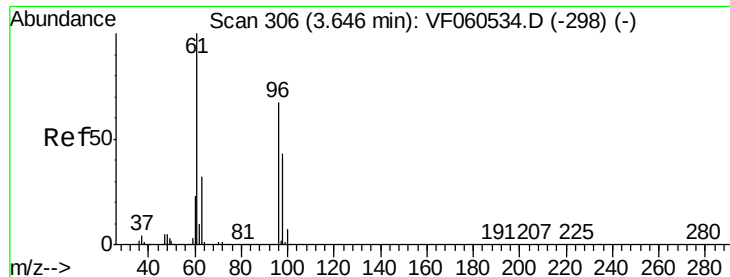
Tgt Ion: 77 Resp: 492344

Ion Ratio Lower Upper

77 100

97 15.9 8.5 25.5



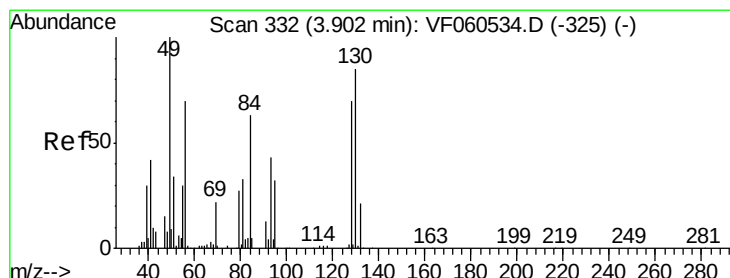
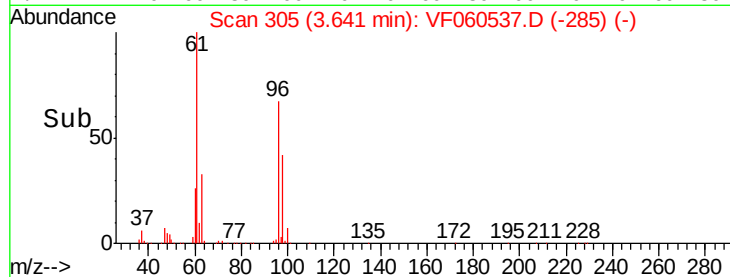
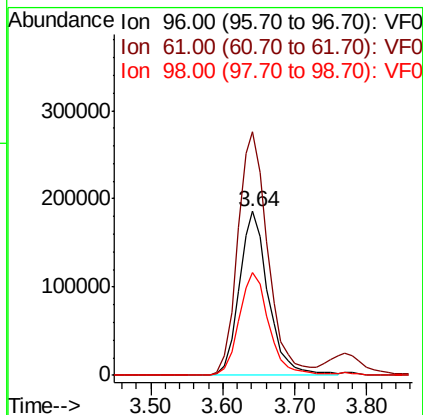
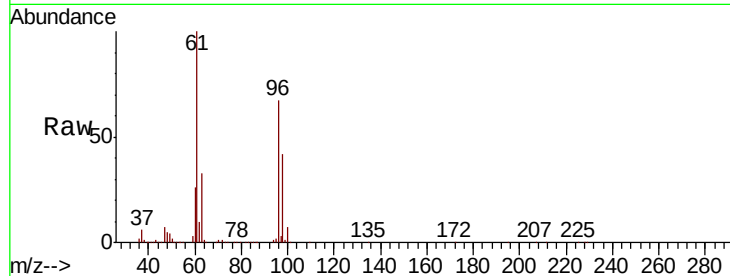


#27

cis-1,2-Dichloroethene
 Concen: 146.216 ug/l
 RT: 3.64 min Scan# 305
 Delta R.T. -0.00 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

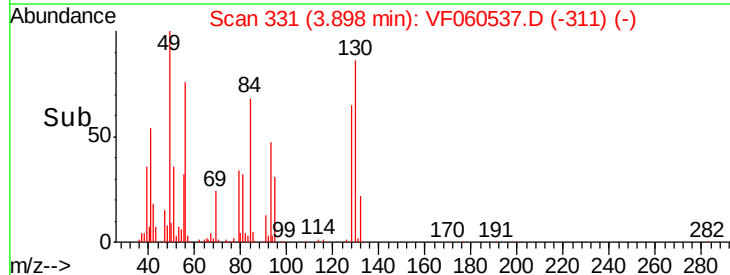
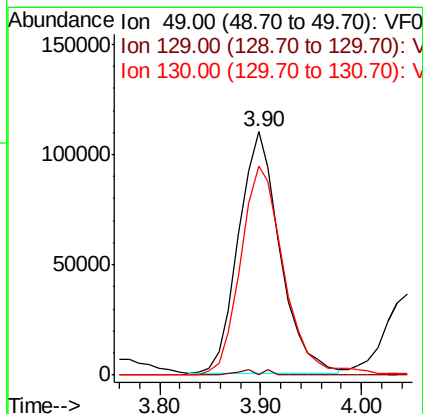
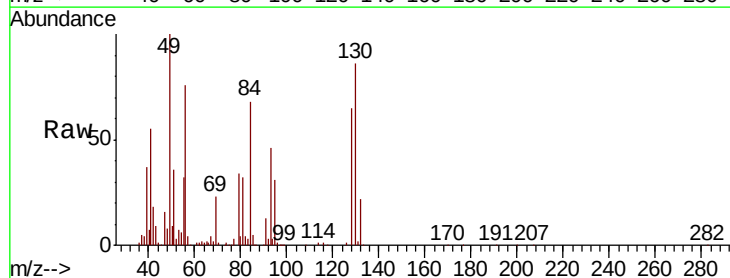
Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.3	0.0	300.8
98	62.6	0.0	128.4

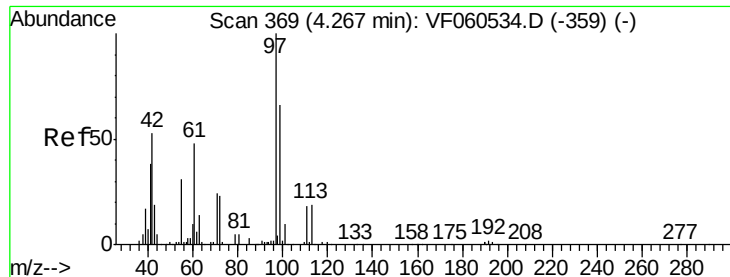


#28

Bromochloromethane
 Concen: 125.865 ug/l
 RT: 3.90 min Scan# 331
 Delta R.T. -0.00 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	85.8	67.5	101.3





#29

Tetrahydrofuran

Concen: 636.323 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.01 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

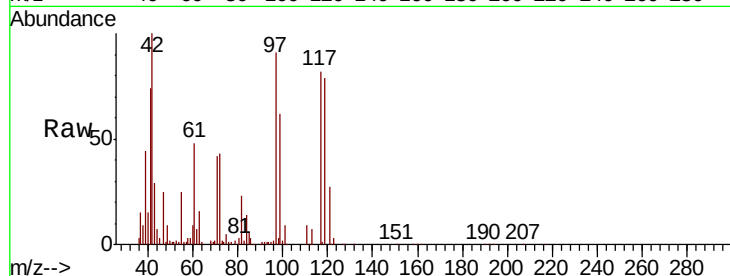
Tgt Ion: 42 Resp: 244745

Ion Ratio Lower Upper

42 100

72 39.8 32.5 48.7

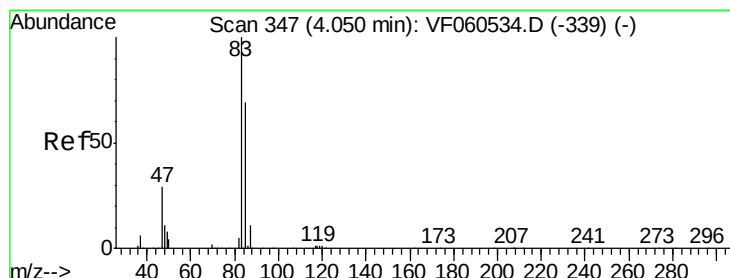
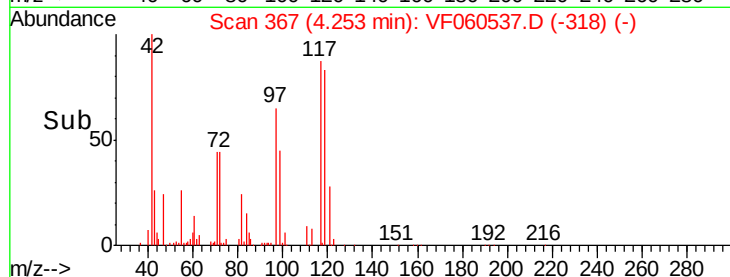
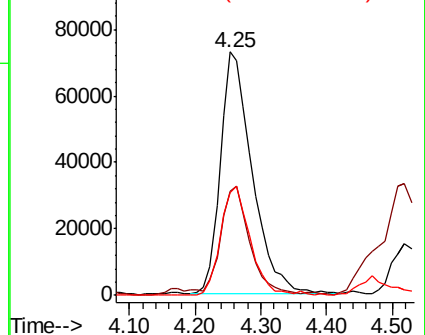
71 42.5 34.5 51.7



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: 120.539 ug/l

RT: 4.05 min Scan# 346

Delta R.T. -0.00 min

Lab File: VF060537.D

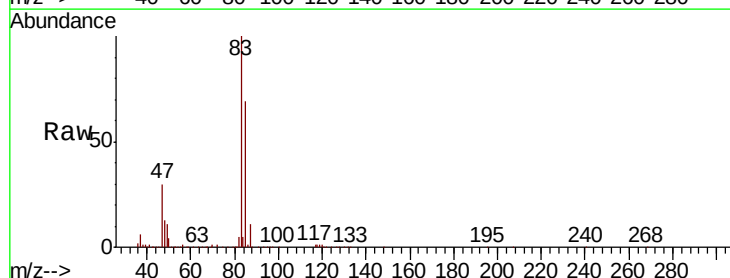
Acq: 29 Oct 2018 19:19

Tgt Ion: 83 Resp: 1139494

Ion Ratio Lower Upper

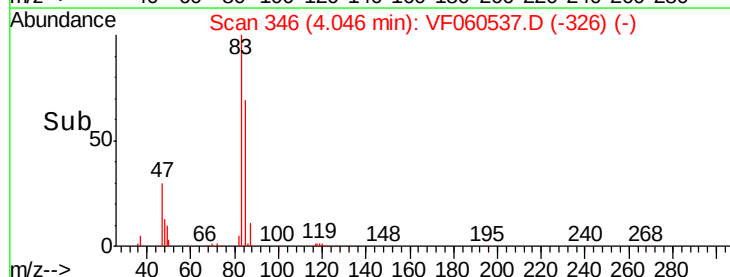
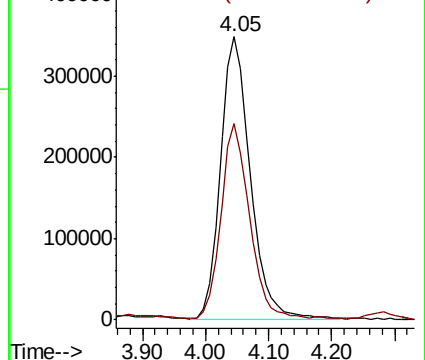
83 100

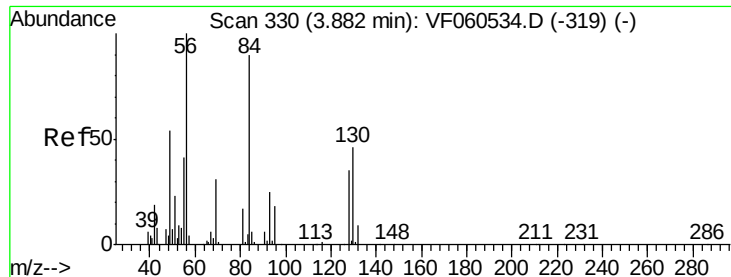
85 69.4 55.0 82.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

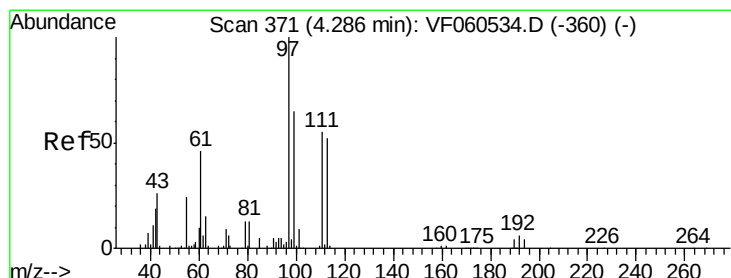
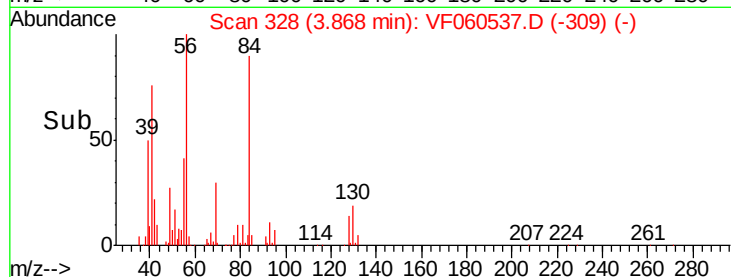
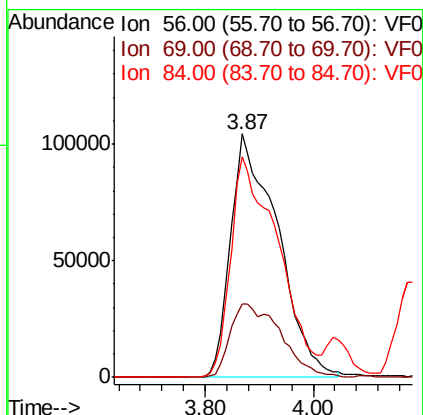
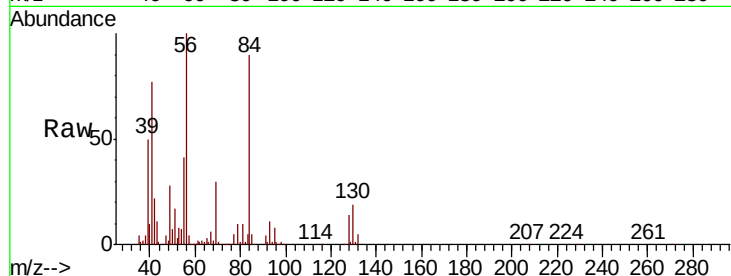




#31
Cyclohexane
Concen: 148.351 ug/l
RT: 3.87 min Scan# 328
Delta R.T. -0.01 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

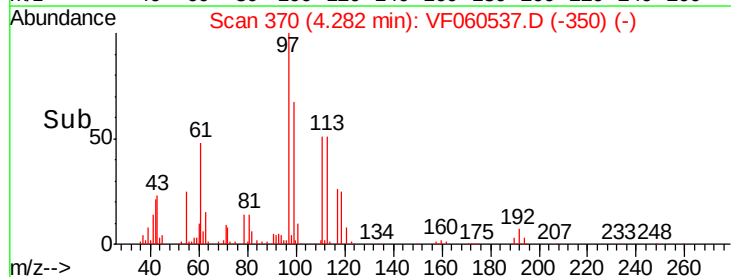
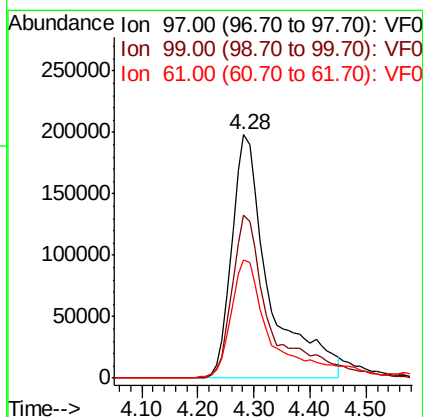
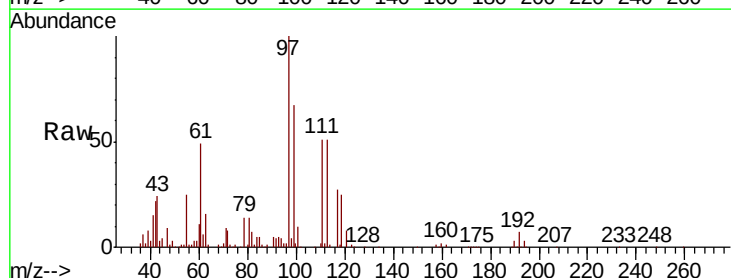
Instrument :
MSVOA_F
ClientSampleId :
VSTDICC150

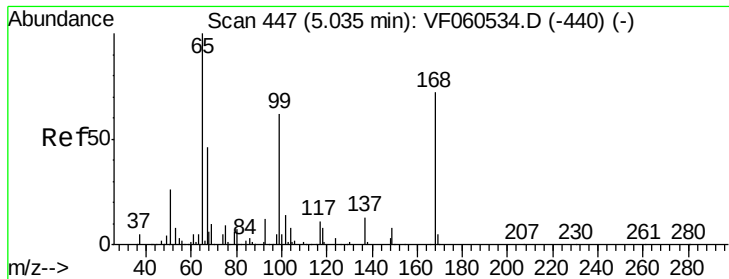
Tgt Ion: 56 Resp: 630940
Ion Ratio Lower Upper
56 100
69 30.0 25.0 37.6
84 90.4 72.1 108.1



#32
1,1,1-Trichloroethane
Concen: 107.180 ug/l
RT: 4.28 min Scan# 370
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Tgt Ion: 97 Resp: 920149
Ion Ratio Lower Upper
97 100
99 66.9 51.7 77.5
61 48.6 36.8 55.2

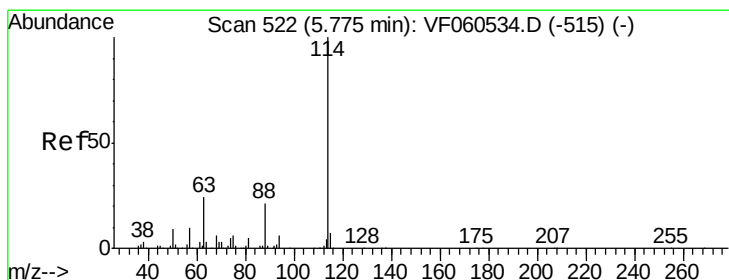
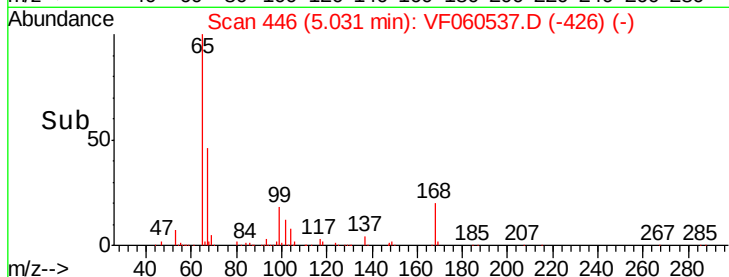
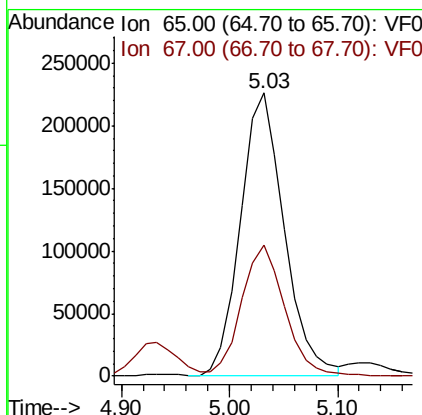
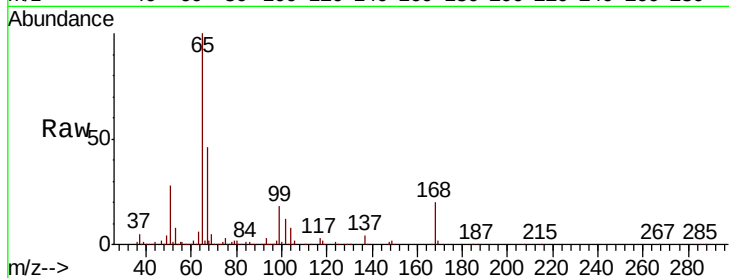




#33
 1,2-Dichloroethane-d4
 Concen: 121.653 ug/l
 RT: 5.03 min Scan# 446
 Delta R.T. -0.00 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

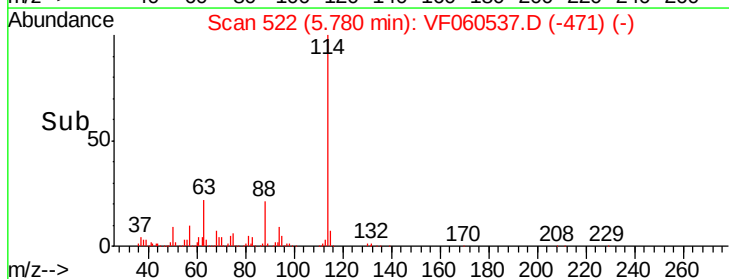
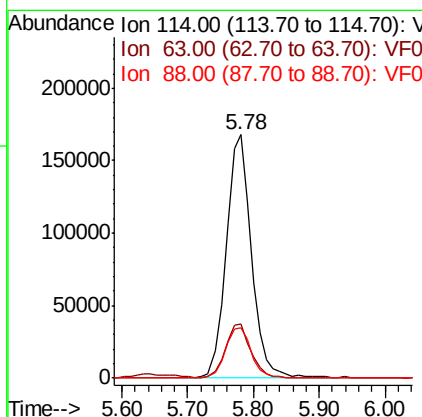
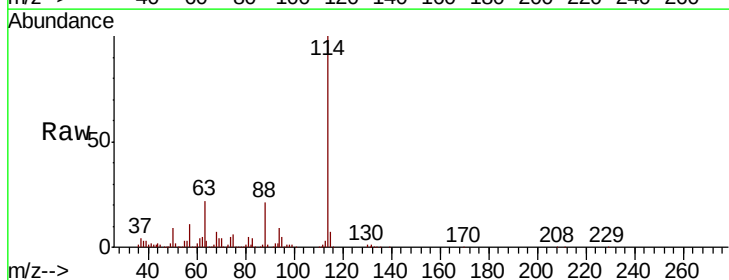
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

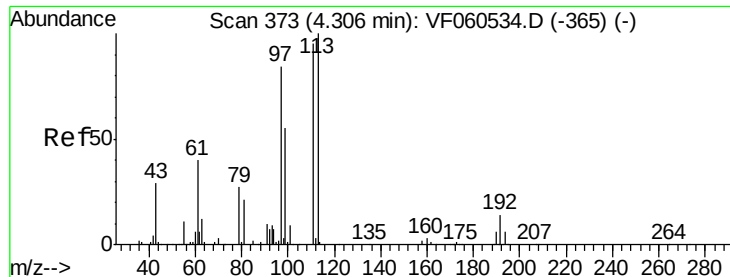
Tgt Ion: 65 Resp: 635872
 Ion Ratio Lower Upper
 65 100
 67 46.3 0.0 94.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 522
 Delta R.T. 0.01 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

Tgt Ion: 114 Resp: 449104
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 48.0
 88 20.6 0.0 42.0





#35

Dibromofluoromethane

Concen: 113.902 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

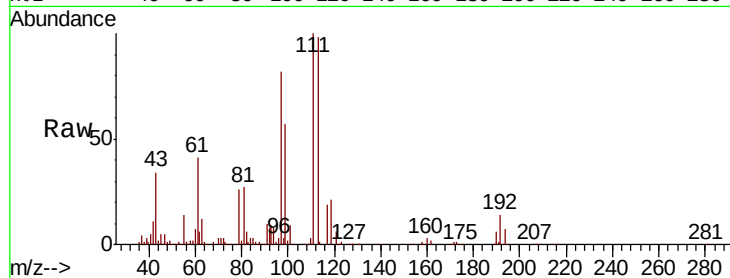
Tgt Ion:113 Resp: 592163

Ion Ratio Lower Upper

113 100

111 102.3 75.9 113.9

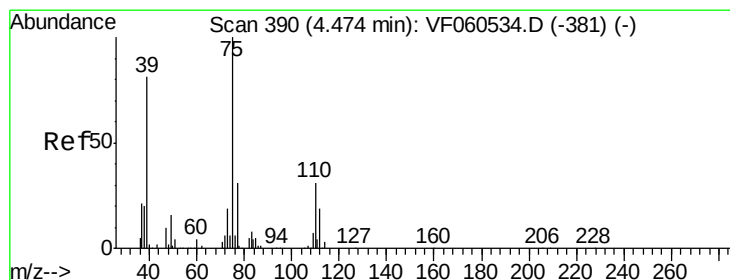
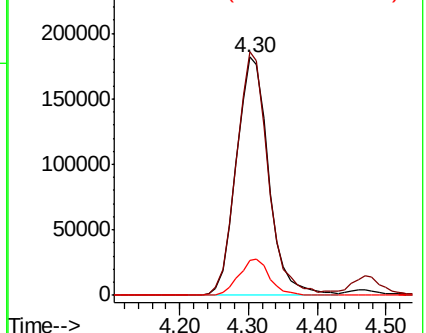
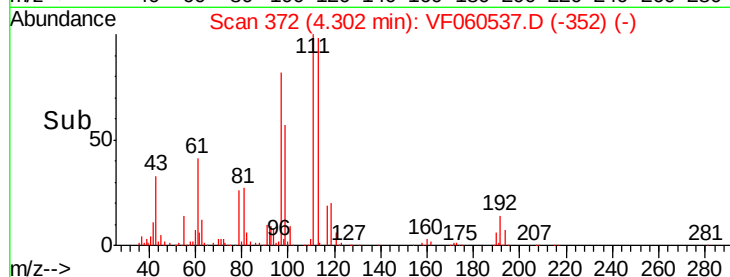
192 14.5 11.2 16.8



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 123.941 ug/l

RT: 4.47 min Scan# 389

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

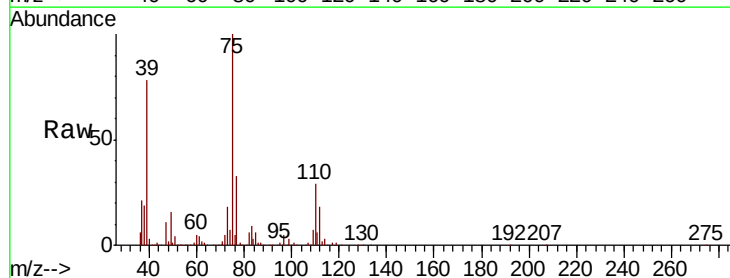
Tgt Ion: 75 Resp: 807446

Ion Ratio Lower Upper

75 100

110 29.1 15.3 45.8

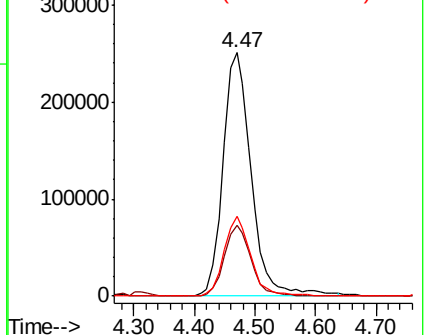
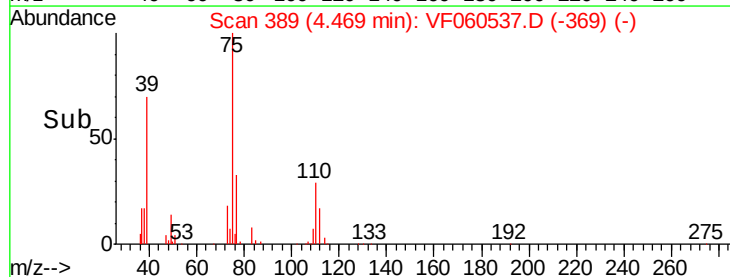
77 32.5 24.8 37.2

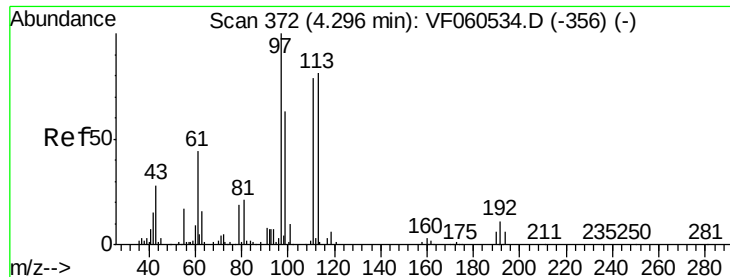


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 113.740 ug/l

RT: 4.30 min Scan# 372

Delta R.T. 0.01 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

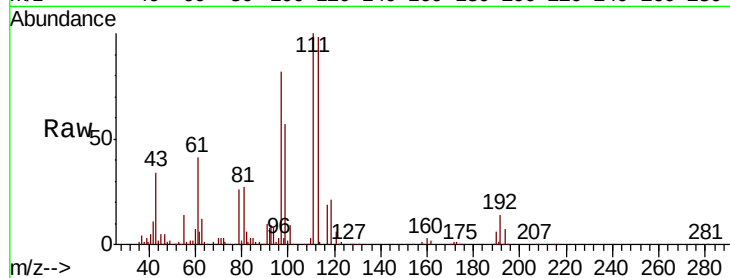
Tgt Ion: 43 Resp: 244419

Ion Ratio Lower Upper

43 100

61 121.5 123.9 185.9#

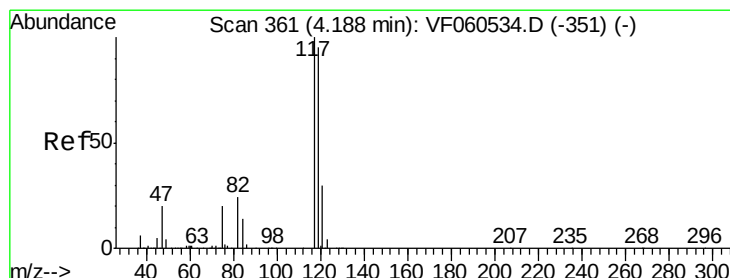
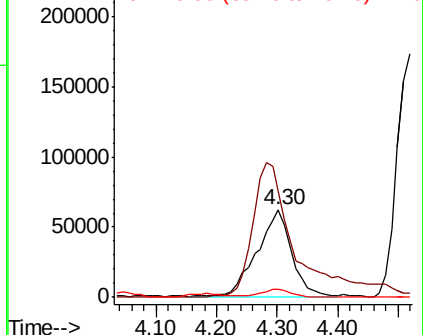
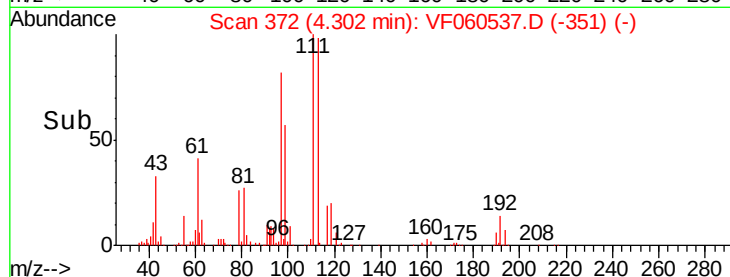
70 9.4 7.3 10.9



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: 114.572 ug/l

RT: 4.18 min Scan# 360

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

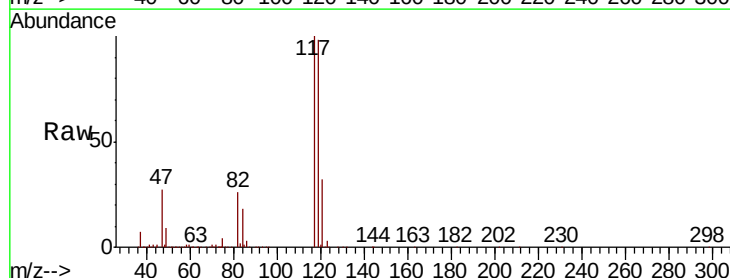
Tgt Ion: 117 Resp: 1086602

Ion Ratio Lower Upper

117 100

119 98.0 76.5 114.7

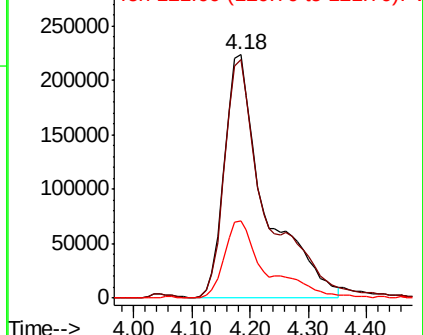
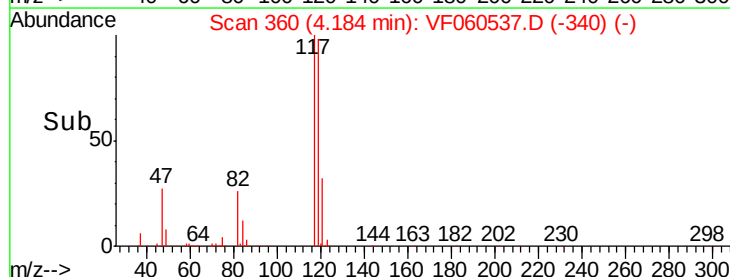
121 32.0 24.3 36.5

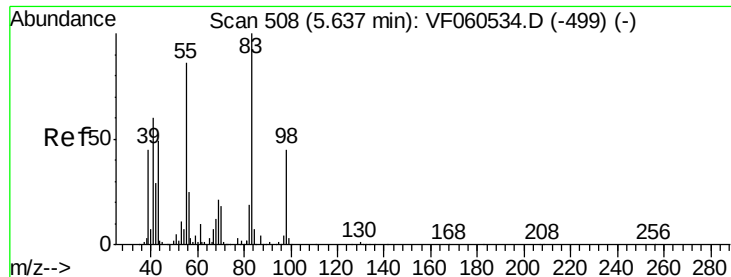


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

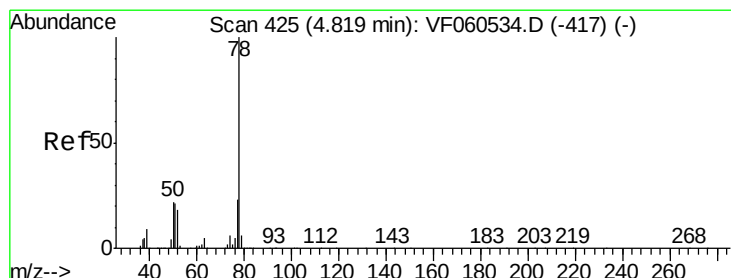
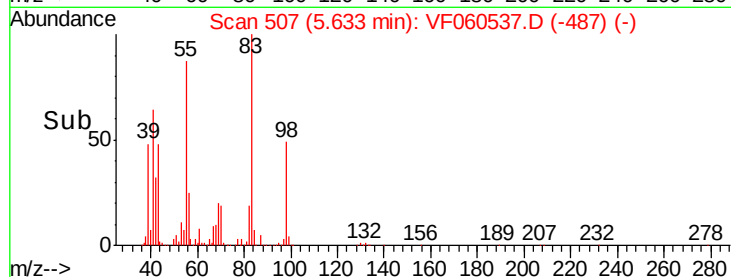
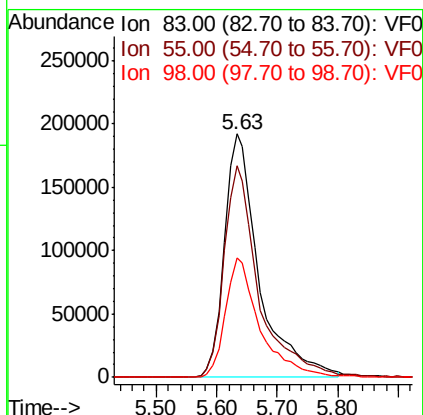
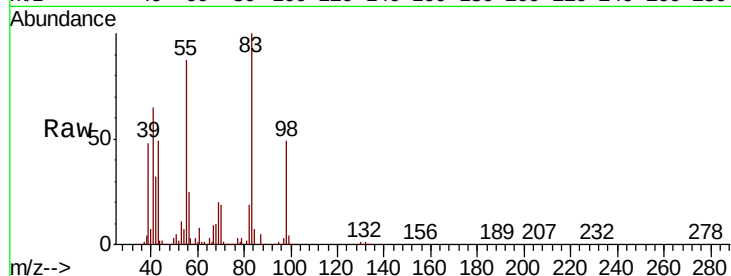




#39
Methylcyclohexane
Concen: 139.260 ug/l
RT: 5.63 min Scan# 507
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

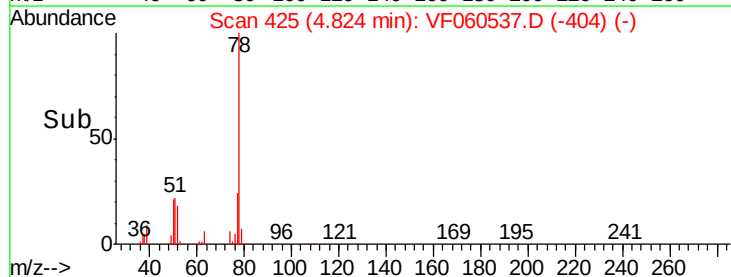
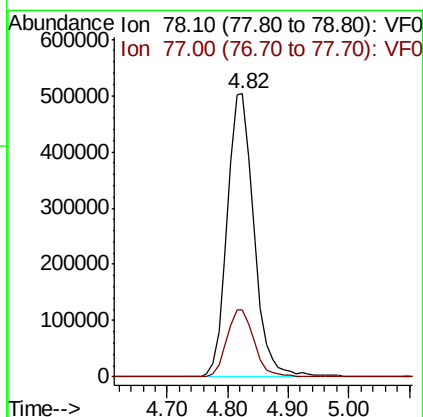
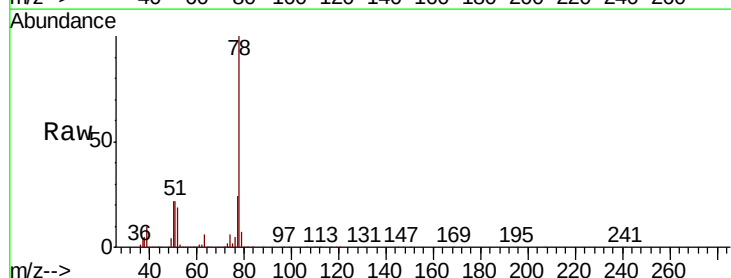
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

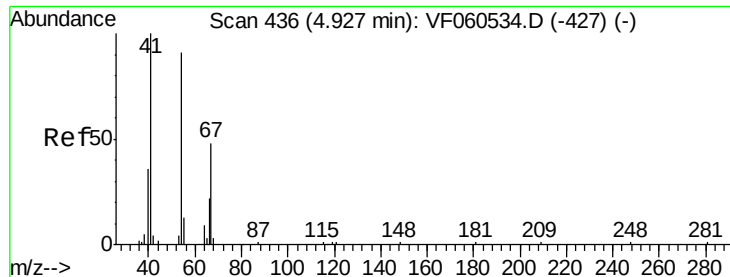
Tgt Ion: 83 Resp: 763705
Ion Ratio Lower Upper
83 100
55 87.0 69.0 103.4
98 48.8 36.1 54.1



#40
Benzene
Concen: 139.757 ug/l
RT: 4.82 min Scan# 425
Delta R.T. 0.01 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Tgt Ion: 78 Resp: 1548424
Ion Ratio Lower Upper
78 100
77 23.7 18.5 27.7

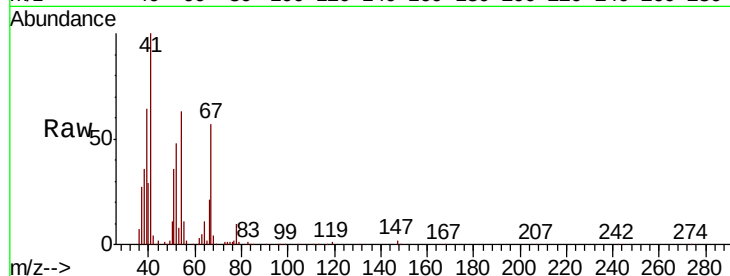




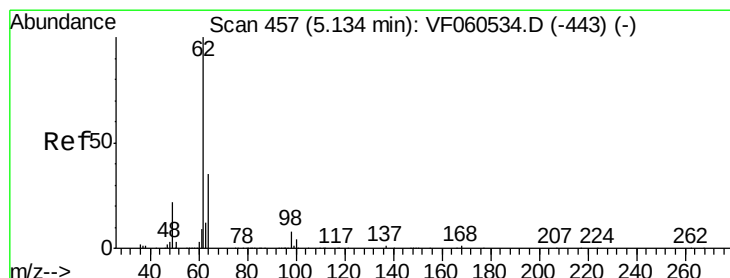
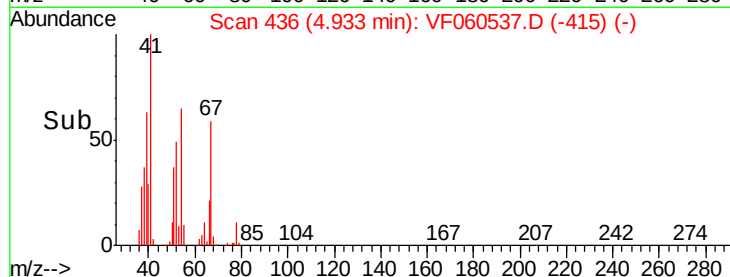
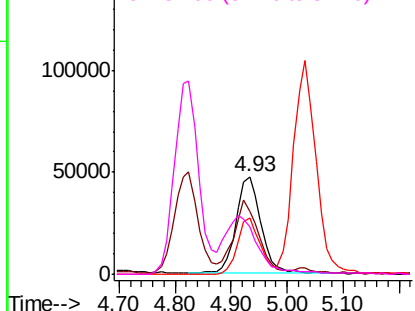
#41
Methacrylonitrile
Concen: 132.442 ug/l
RT: 4.93 min Scan# 436
Delta R.T. 0.01 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion:	41	Resp:	146509
Ion	Ratio	Lower	Upper
41	100		
39	63.7	51.0	76.6
67	57.4	38.0	57.0#
52	48.0	40.6	61.0

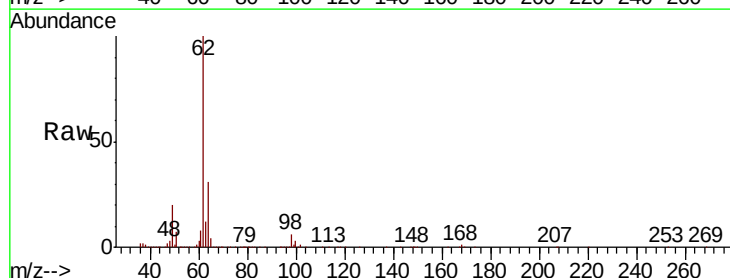


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

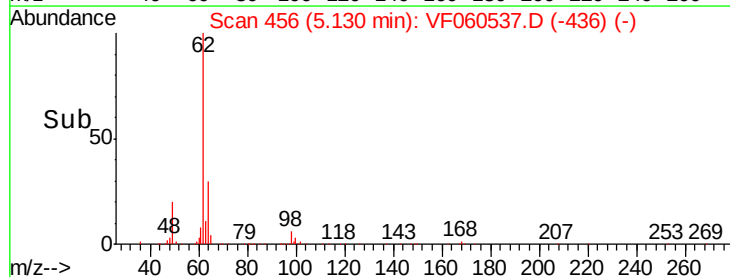
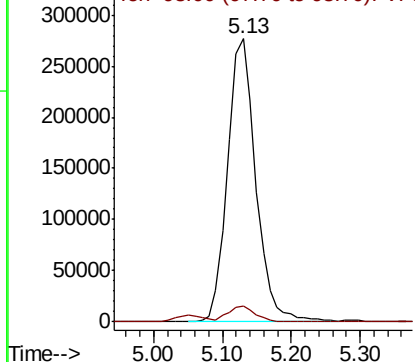


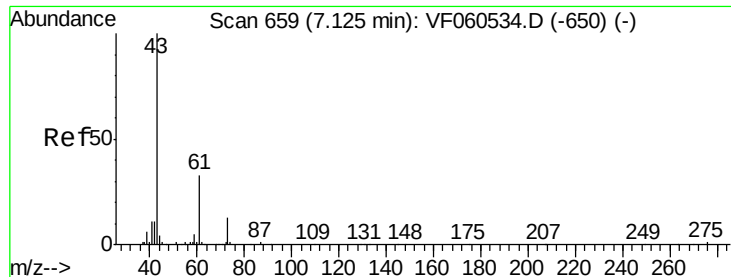
#42
1,2-Dichloroethane
Concen: 115.881 ug/l
RT: 5.13 min Scan# 456
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Tgt Ion:	62	Resp:	783412
Ion	Ratio	Lower	Upper
62	100		
98	5.6	0.0	15.8



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 137.915 ug/l

RT: 7.12 min Scan# 658

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

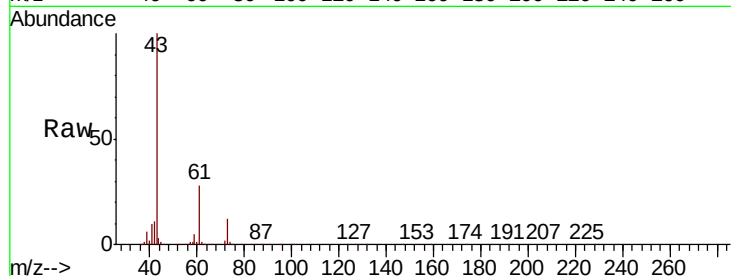
Tgt Ion: 43 Resp: 319555

Ion Ratio Lower Upper

43 100

61 28.2 26.6 40.0

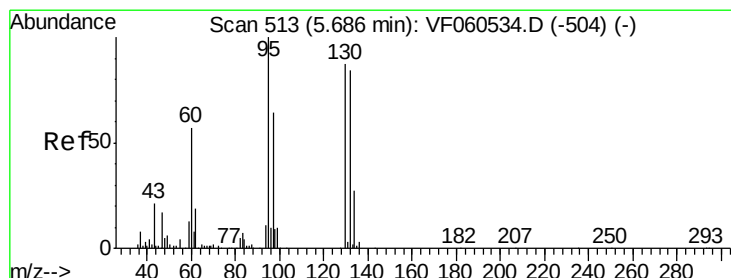
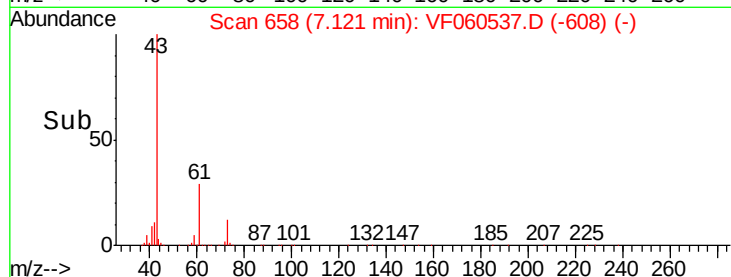
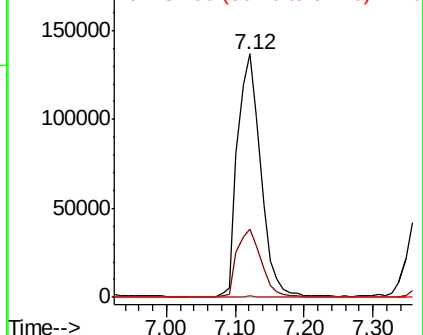
87 0.5 0.6 1.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 131.271 ug/l

RT: 5.68 min Scan# 512

Delta R.T. -0.00 min

Lab File: VF060537.D

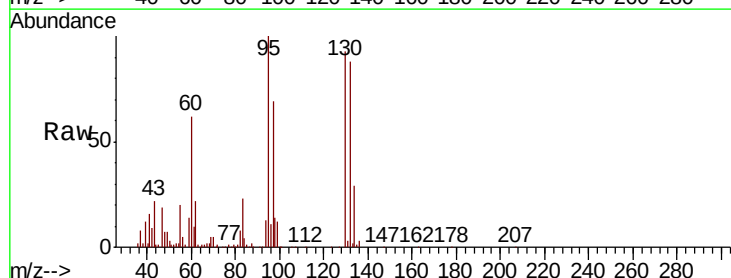
Acq: 29 Oct 2018 19:19

Tgt Ion: 130 Resp: 498499

Ion Ratio Lower Upper

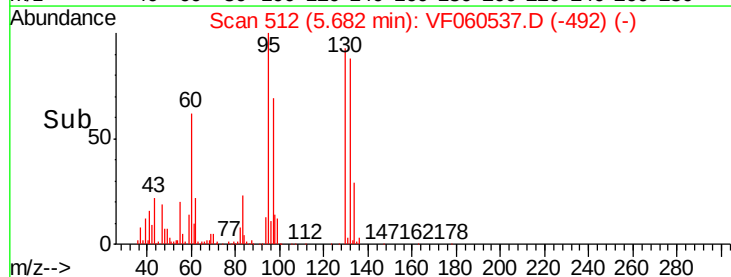
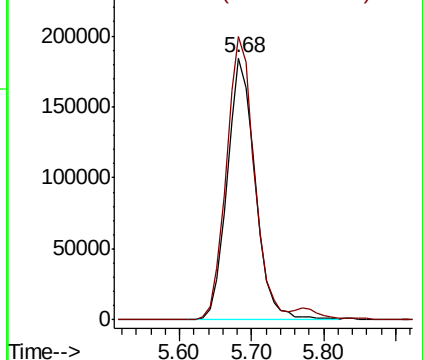
130 100

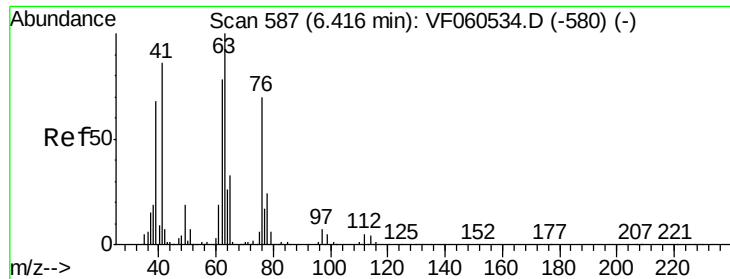
95 108.1 0.0 229.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

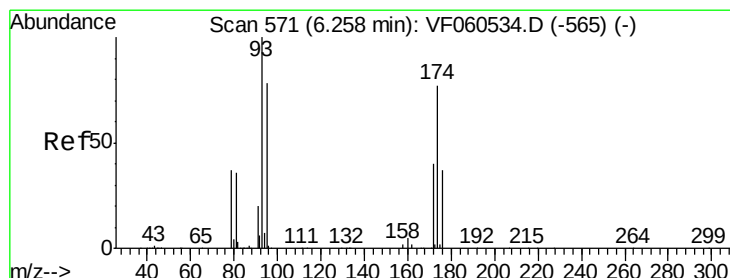
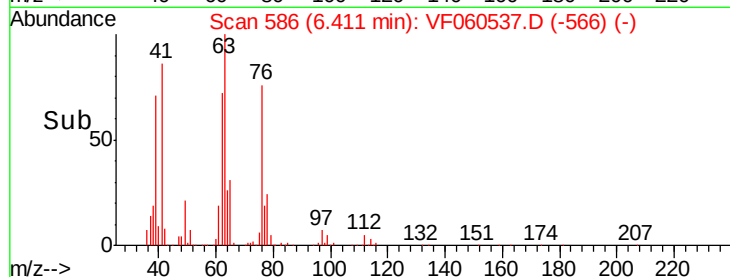
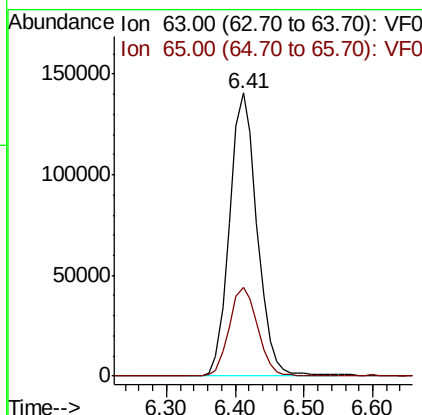
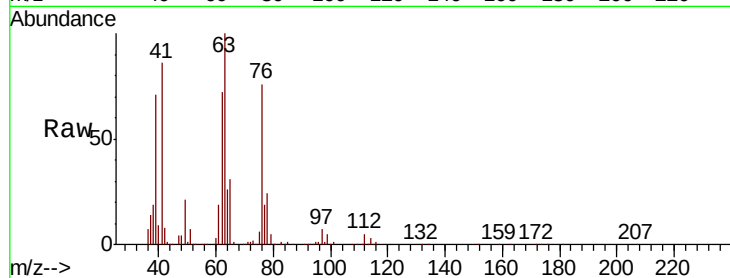




#45
 1,2-Dichloropropane
 Concen: 140.633 ug/l
 RT: 6.41 min Scan# 586
 Delta R.T. -0.00 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

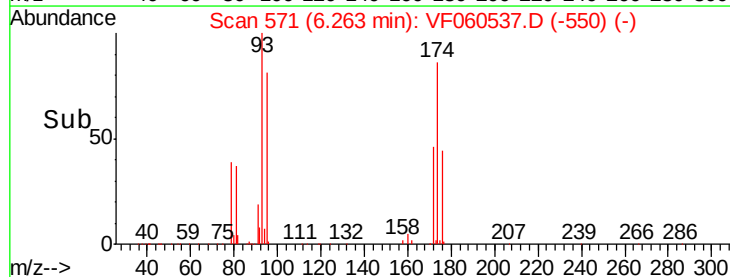
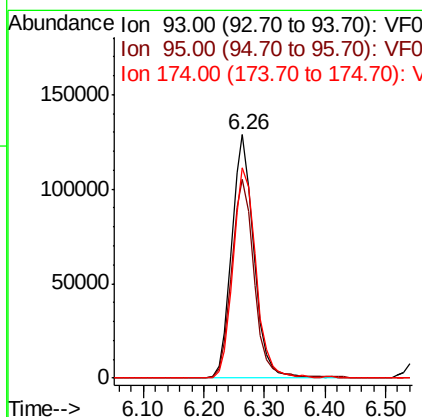
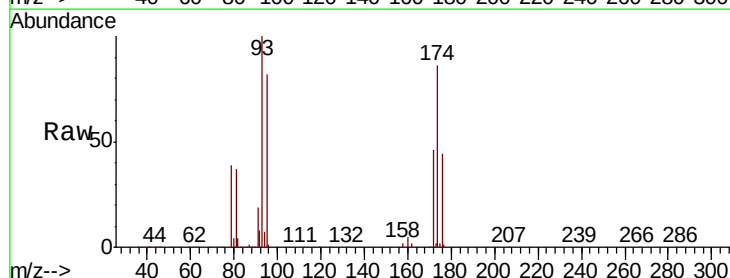
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

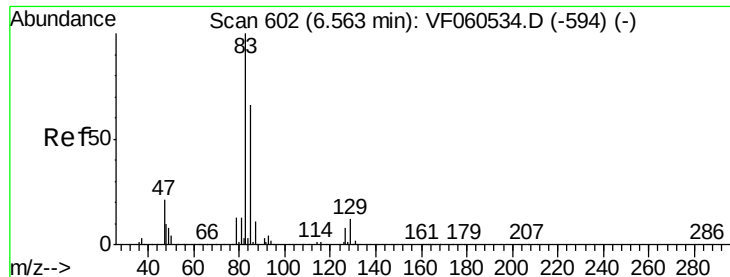
Tgt Ion: 63 Resp: 390444
 Ion Ratio Lower Upper
 63 100
 65 31.3 26.5 39.7



#46
 Dibromomethane
 Concen: 128.988 ug/l
 RT: 6.26 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

Tgt Ion: 93 Resp: 329100
 Ion Ratio Lower Upper
 93 100
 95 81.7 64.3 96.5
 174 86.3 63.3 94.9





#47

Bromodichloromethane

Concen: 121.150 ug/l

RT: 6.56 min Scan# 601

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

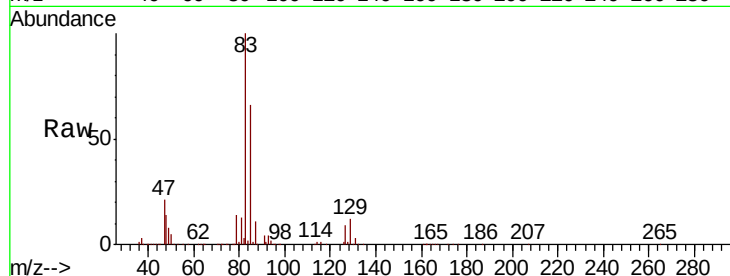
Tgt Ion: 83 Resp: 853786

Ion Ratio Lower Upper

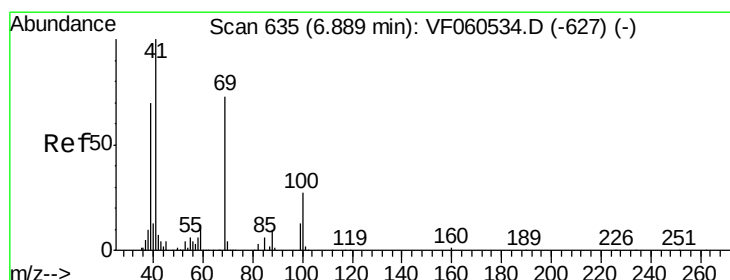
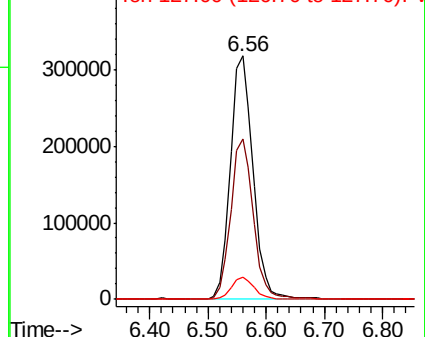
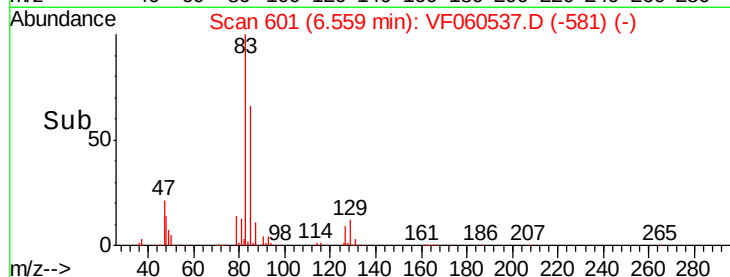
83 100

85 65.7 52.7 79.1

127 9.1 6.4 9.6



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 137.341 ug/l

RT: 6.88 min Scan# 634

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

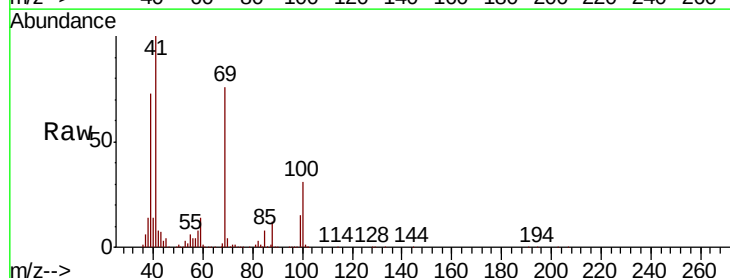
Tgt Ion: 41 Resp: 235632

Ion Ratio Lower Upper

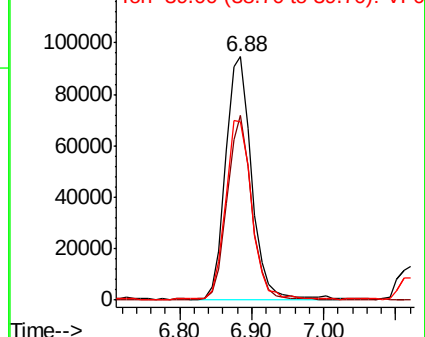
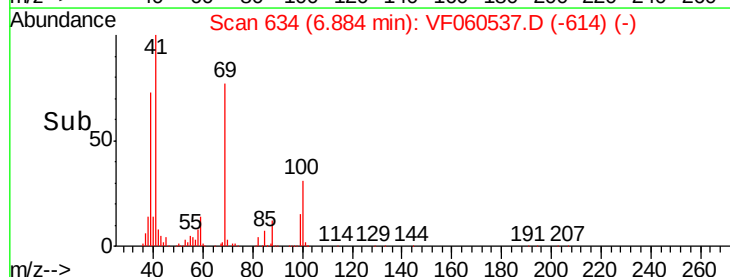
41 100

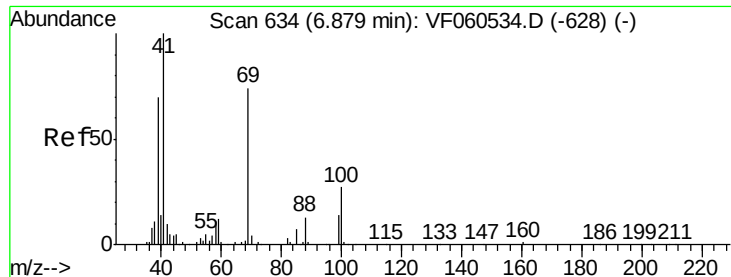
69 75.8 58.4 87.6

39 73.2 56.4 84.6



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 2924.291 ug/l

RT: 6.87 min Scan# 633

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

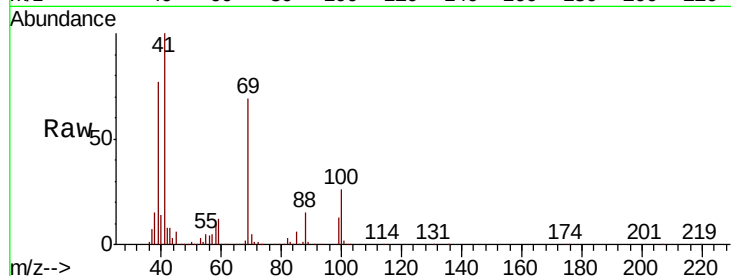
Tgt Ion: 88 Resp: 44190

Ion Ratio Lower Upper

88 100

43 52.5 49.7 74.5

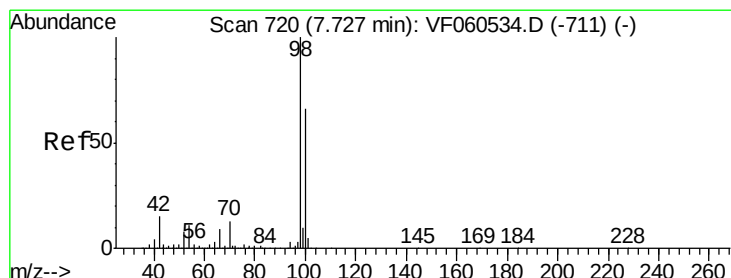
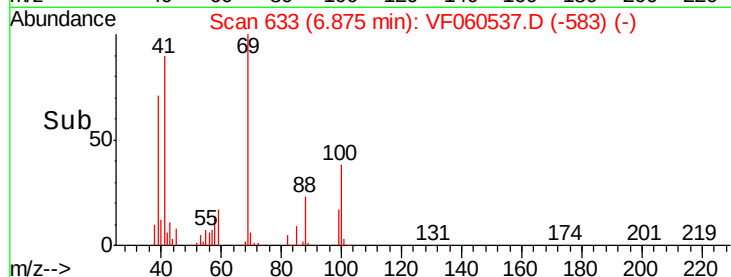
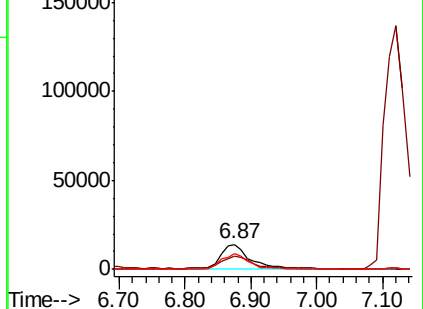
58 63.8 67.7 101.5#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 130.638 ug/l

RT: 7.72 min Scan# 719

Delta R.T. -0.00 min

Lab File: VF060537.D

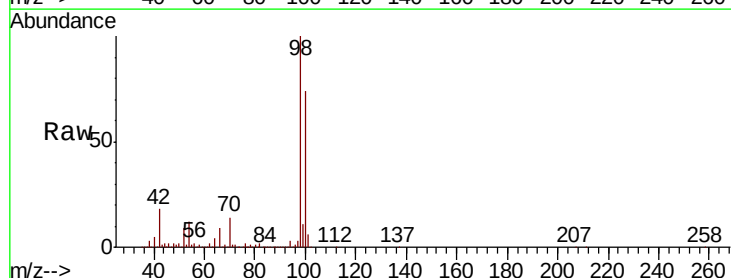
Acq: 29 Oct 2018 19:19

Tgt Ion: 98 Resp: 1414886

Ion Ratio Lower Upper

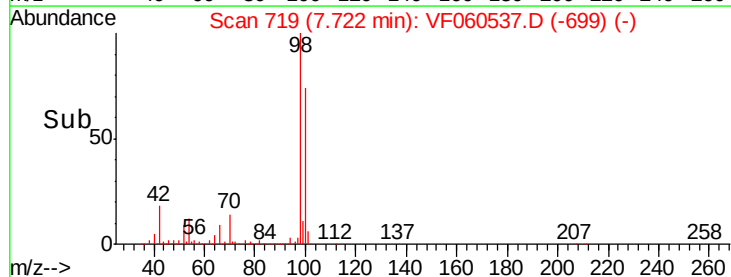
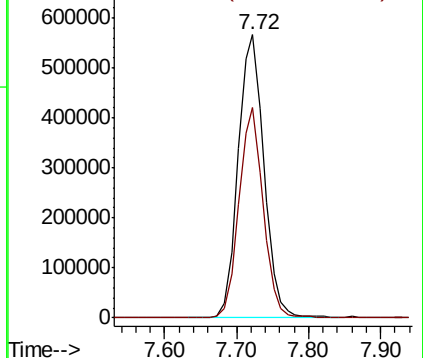
98 100

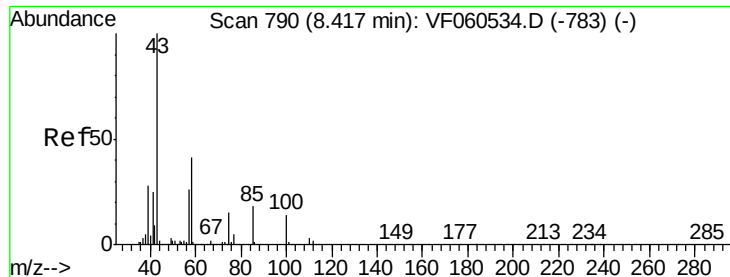
100 74.3 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 591.812 ug/l

RT: 8.41 min Scan# 789

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

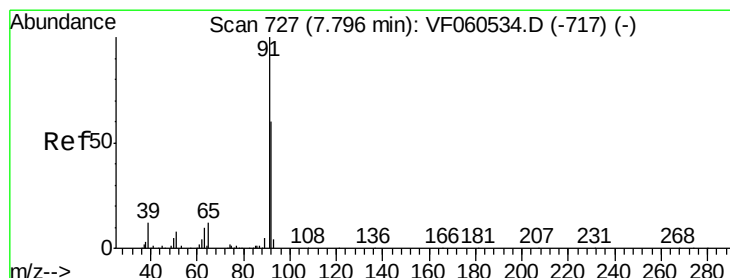
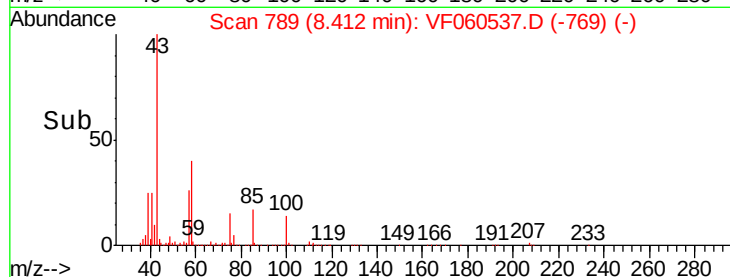
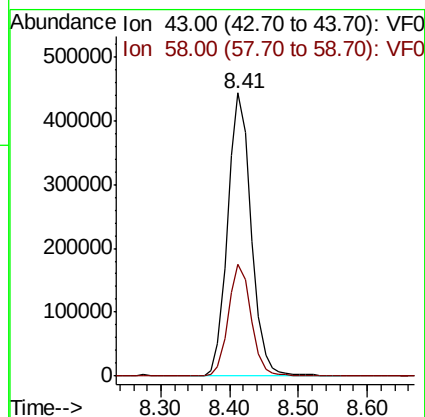
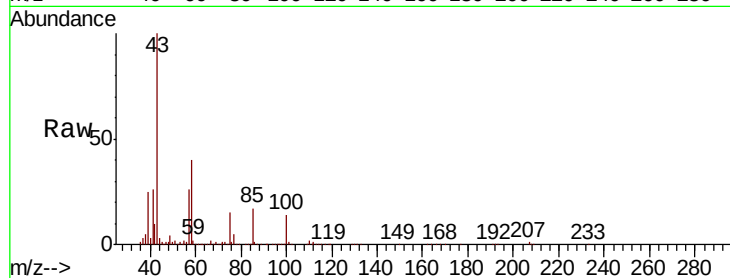
VSTDIC150

Tgt Ion: 43 Resp: 1043792

Ion Ratio Lower Upper

43 100

58 39.6 32.6 49.0



#52

Toluene

Concen: 134.621 ug/l

RT: 7.79 min Scan# 726

Delta R.T. -0.00 min

Lab File: VF060537.D

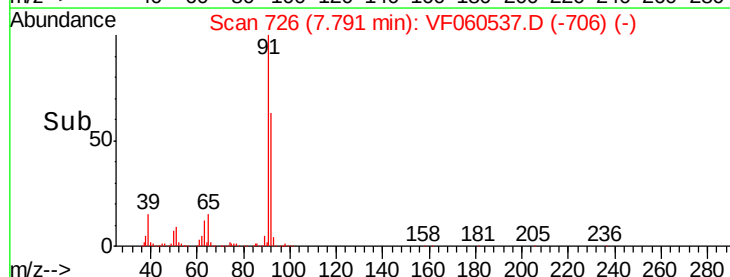
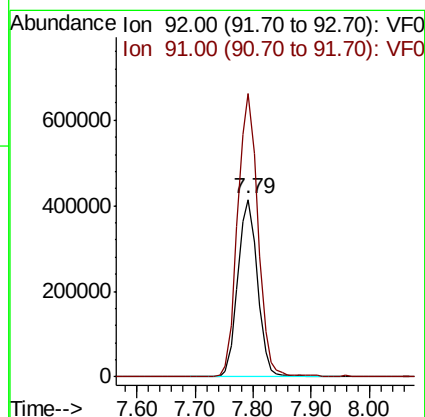
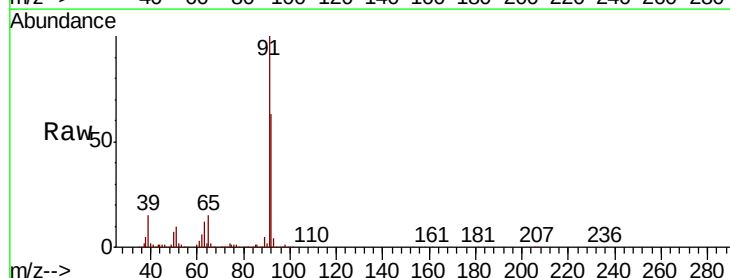
Acq: 29 Oct 2018 19:19

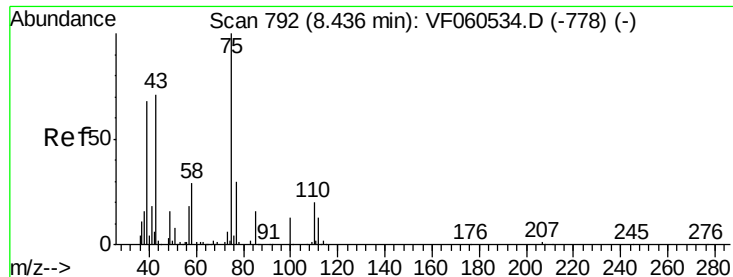
Tgt Ion: 92 Resp: 982065

Ion Ratio Lower Upper

92 100

91 159.8 134.1 201.1

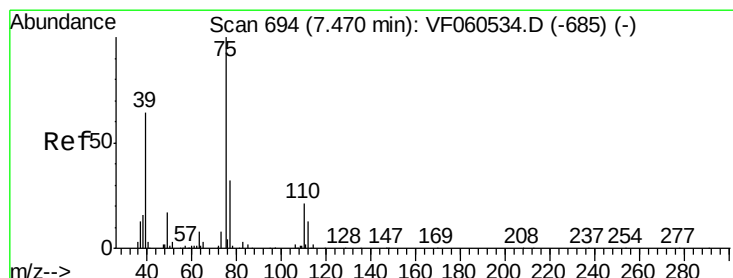
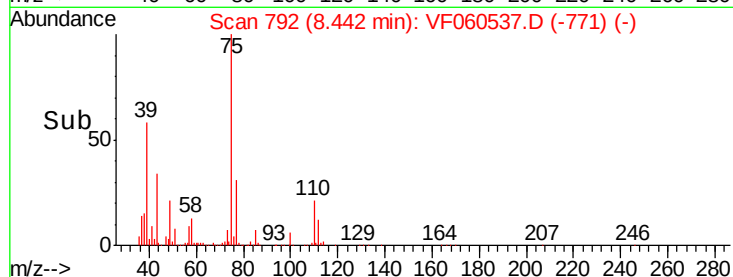
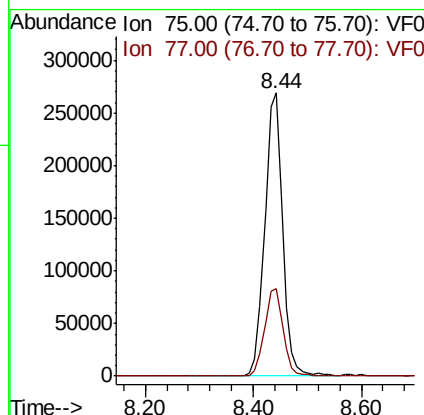
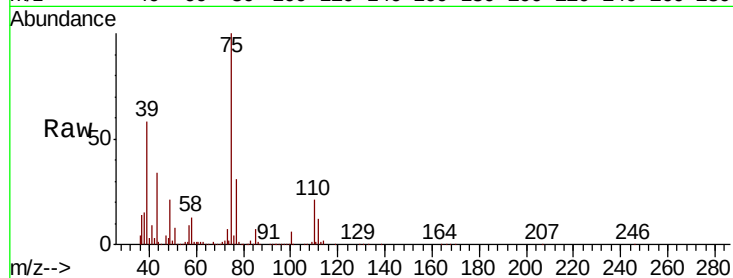




#53
 t-1,3-Dichloropropene
 Concen: 118.505 ug/l
 RT: 8.44 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

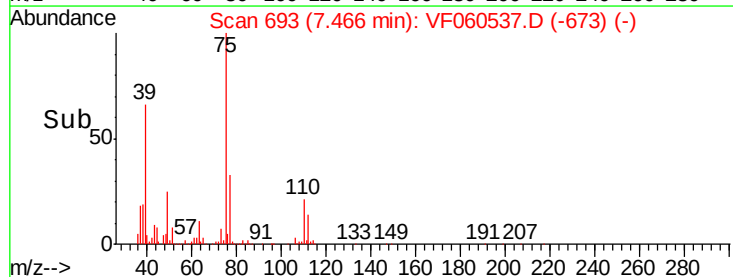
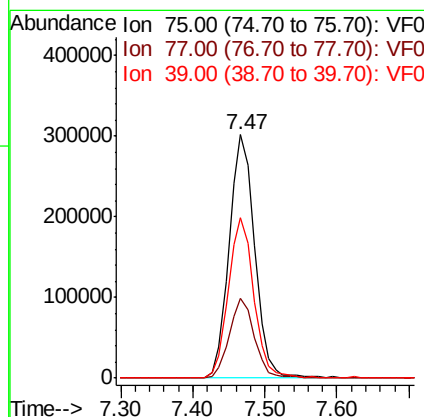
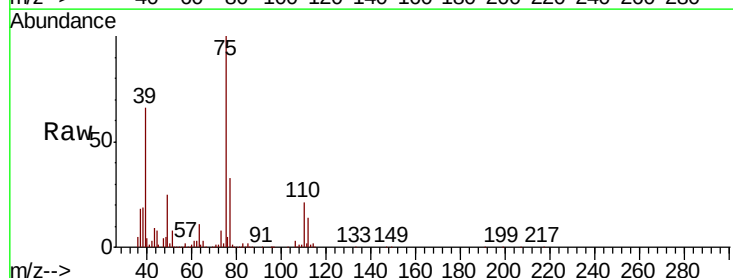
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

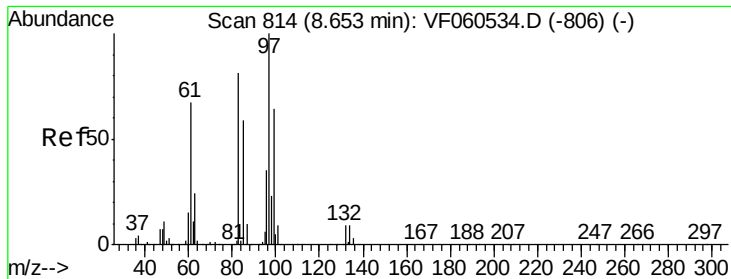
Tgt Ion: 75 Resp: 624738
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.2 36.4



#54
 cis-1,3-Dichloropropene
 Concen: 134.786 ug/l
 RT: 7.47 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

Tgt Ion: 75 Resp: 743959
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.7 38.5
 39 66.1 51.5 77.3





#55

1,1,2-Trichloroethane

Concen: 135.215 ug/l

RT: 8.65 min Scan# 813

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 306520

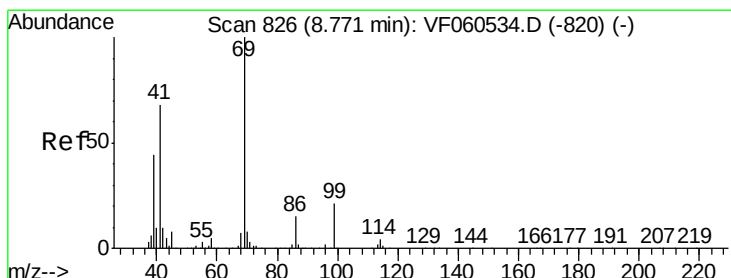
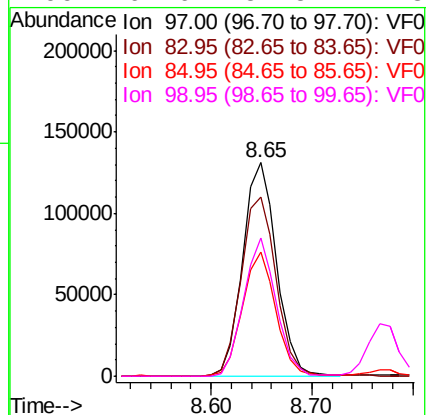
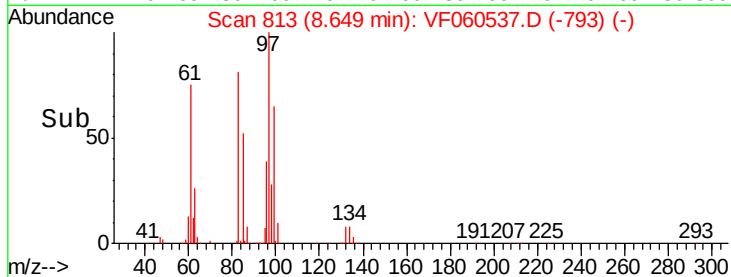
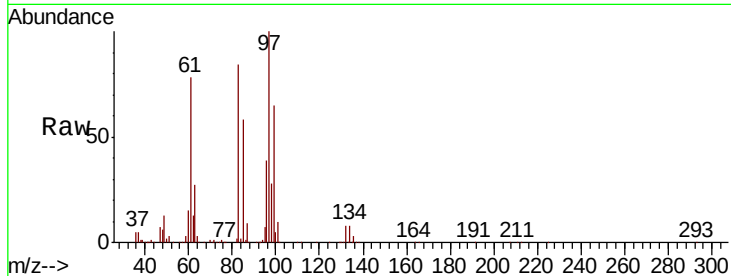
Ion Ratio Lower Upper

97 100

83 84.0 65.3 97.9

85 58.1 47.6 71.4

99 64.6 51.5 77.3



#56

Ethyl methacrylate

Concen: 134.812 ug/l

RT: 8.77 min Scan# 825

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

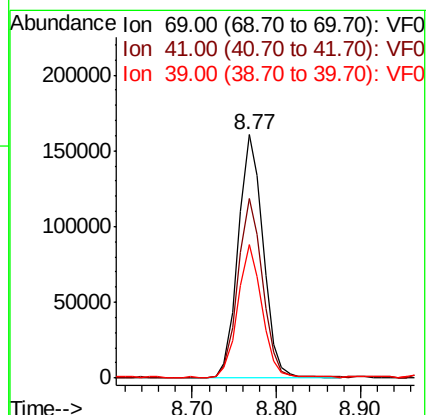
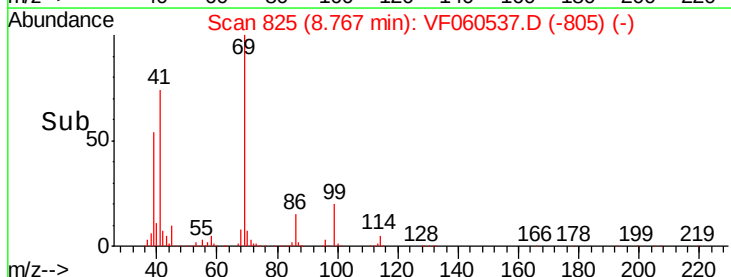
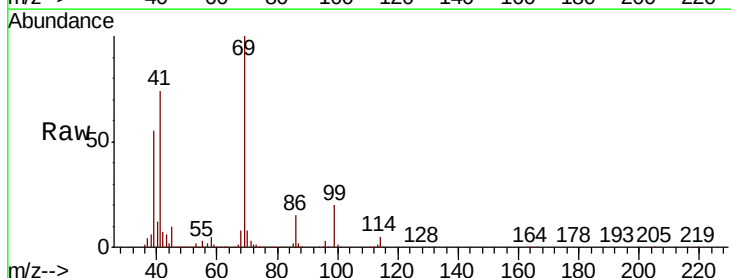
Tgt Ion: 69 Resp: 333898

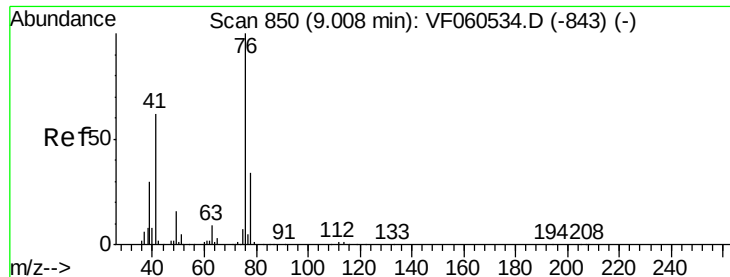
Ion Ratio Lower Upper

69 100

41 73.9 55.0 82.6

39 54.7 35.1 52.7#





#57

1,3-Dichloropropane

Concen: 121.445 ug/l

RT: 9.01 min Scan# 850

Delta R.T. 0.01 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

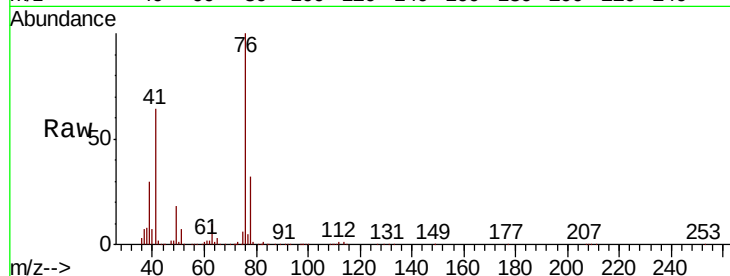
VSTDIC150

Tgt Ion: 76 Resp: 487283

Ion Ratio Lower Upper

76 100

78 32.0 27.3 40.9



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

250000

200000

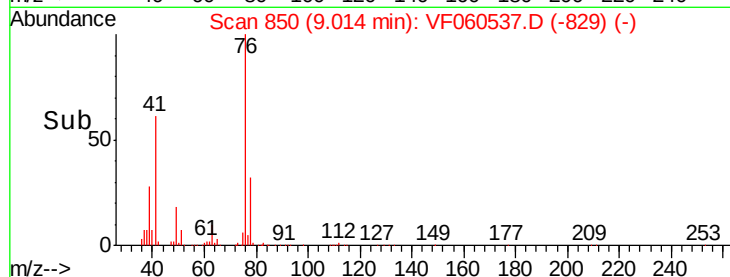
150000

100000

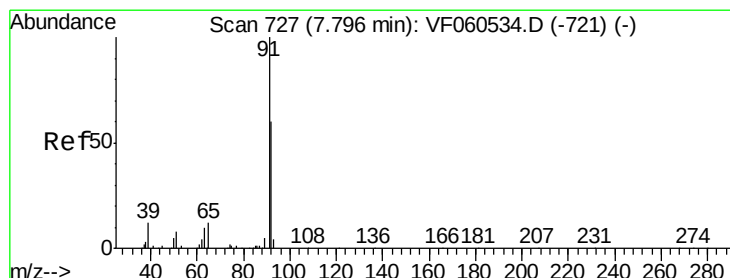
50000

0

Time-->



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 577.838 ug/l

RT: 7.79 min Scan# 726

Delta R.T. -0.00 min

Lab File: VF060537.D

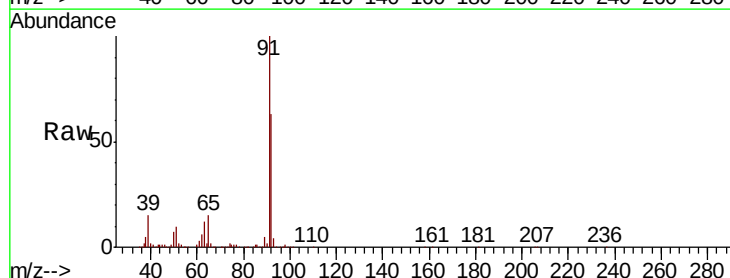
Acq: 29 Oct 2018 19:19

Tgt Ion: 63 Resp: 184695

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

80000

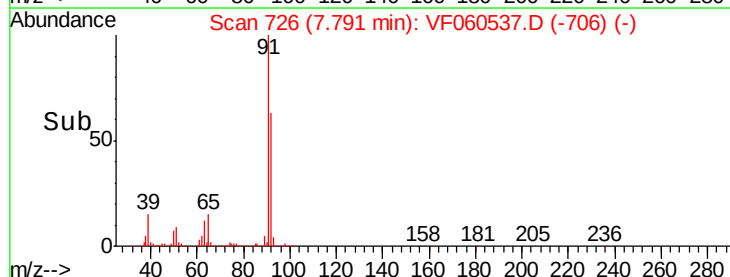
60000

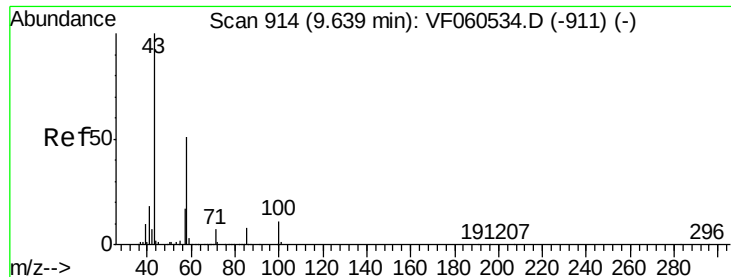
40000

20000

0

Time-->

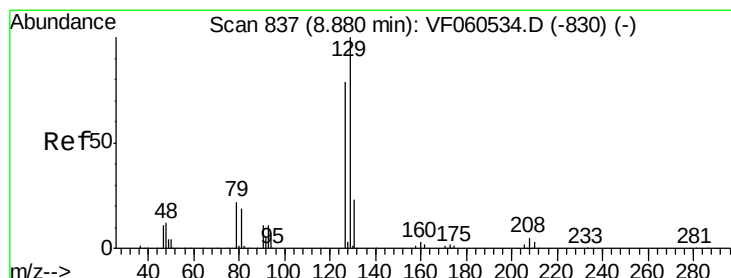
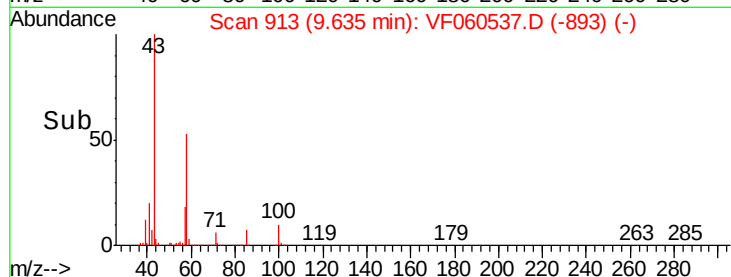
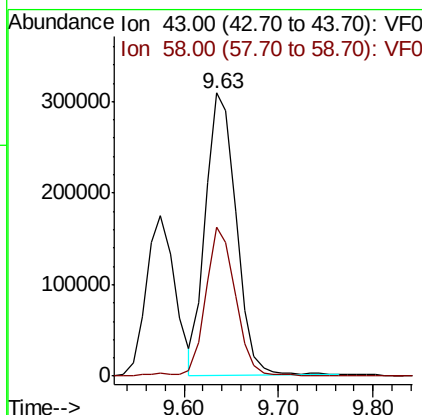
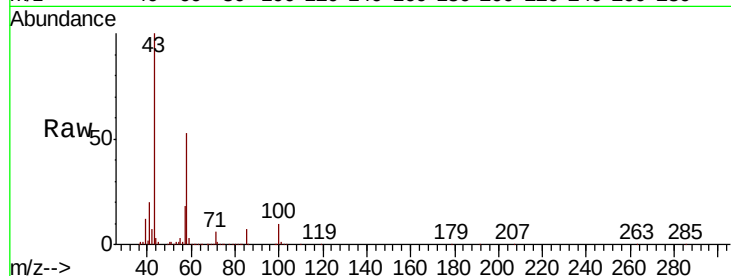




#59
2-Hexanone
Concen: 530.875 ug/l
RT: 9.63 min Scan# 913
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

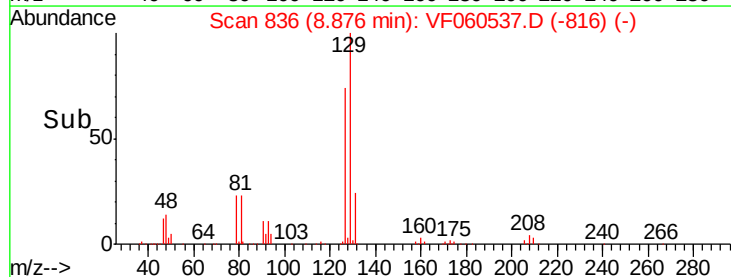
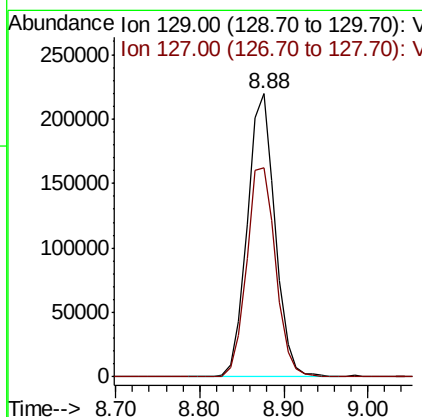
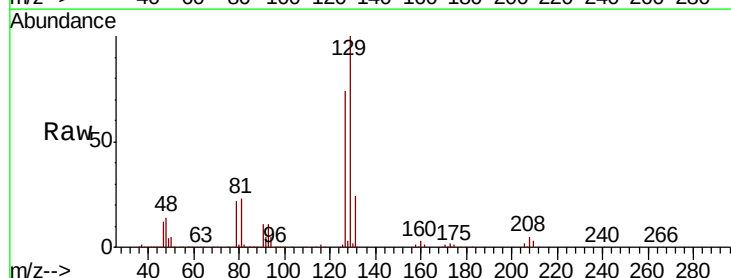
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

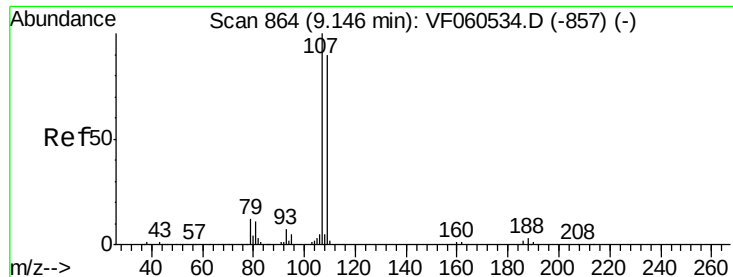
Tgt Ion: 43 Resp: 697382
Ion Ratio Lower Upper
43 100
58 52.7 24.1 72.3



#60
Dibromochloromethane
Concen: 120.947 ug/l
RT: 8.88 min Scan# 836
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Tgt Ion: 129 Resp: 509209
Ion Ratio Lower Upper
129 100
127 73.9 39.6 119.0

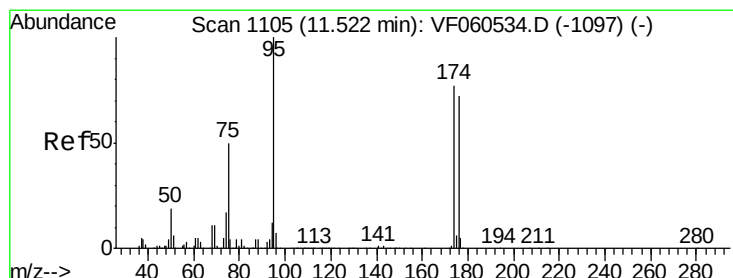
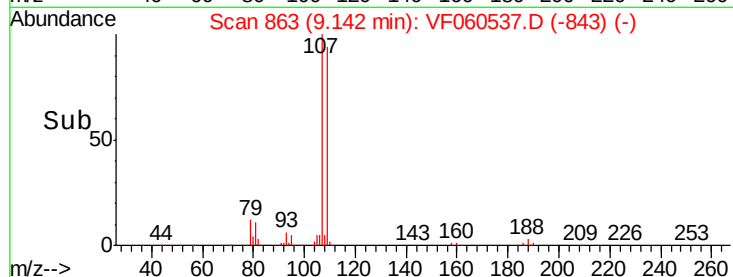
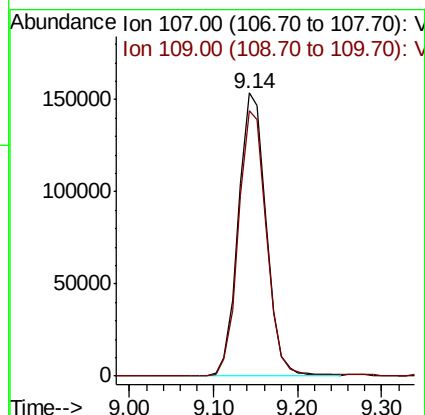
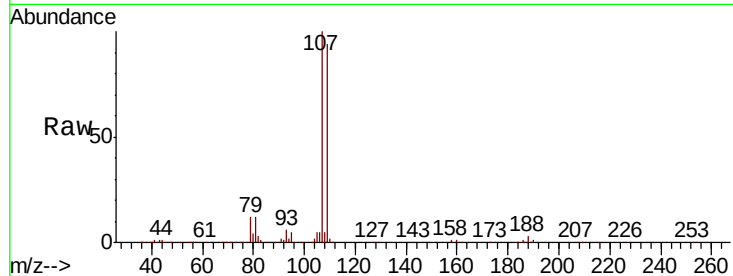




#61
 1,2-Dibromoethane
 Concen: 132.293 ug/l
 RT: 9.14 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

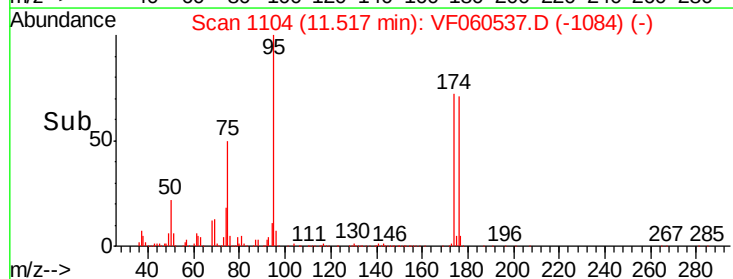
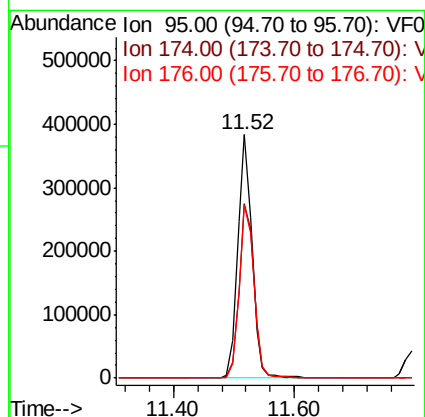
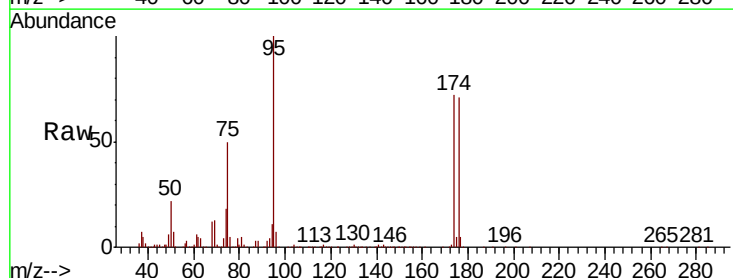
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

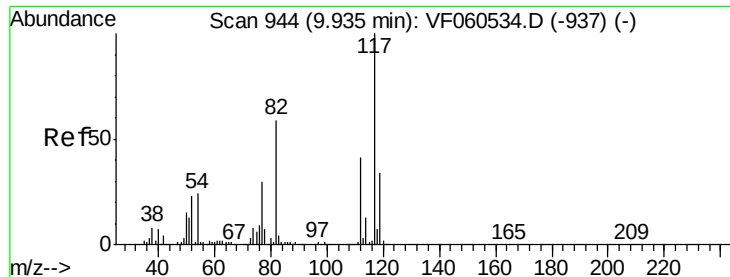
Tgt Ion: 107 Resp: 354598
 Ion Ratio Lower Upper
 107 100
 109 93.8 72.2 108.2



#62
 4-Bromofluorobenzene
 Concen: 107.083 ug/l
 RT: 11.52 min Scan# 1104
 Delta R.T. -0.00 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

Tgt Ion: 95 Resp: 627657
 Ion Ratio Lower Upper
 95 100
 174 71.8 0.0 153.8
 176 71.3 0.0 143.6

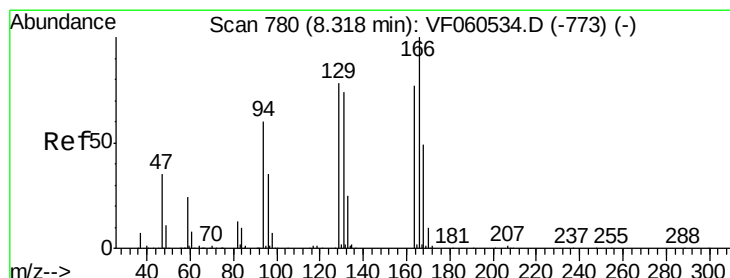
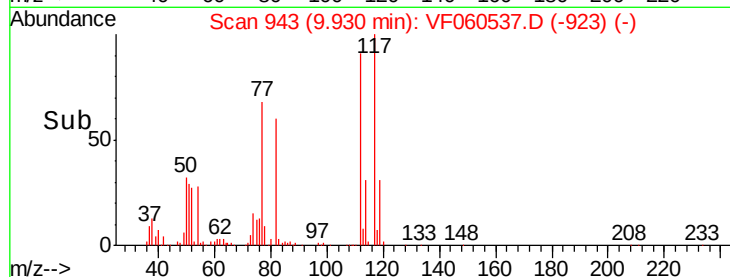
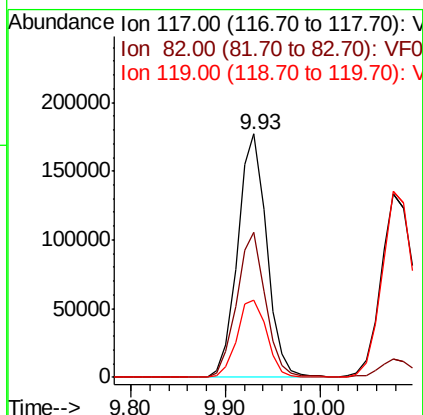
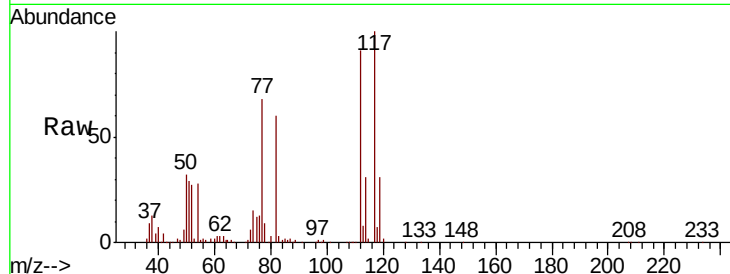




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

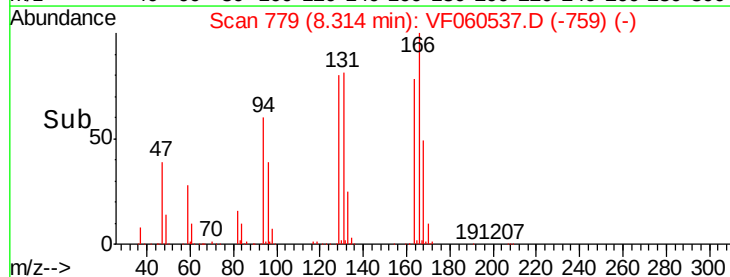
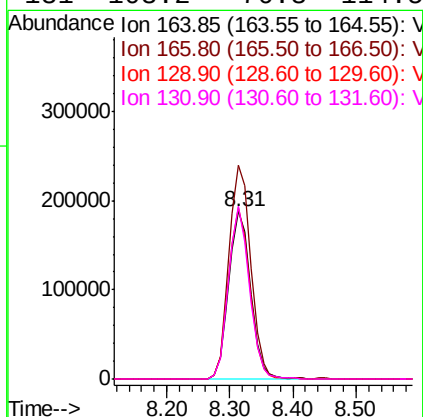
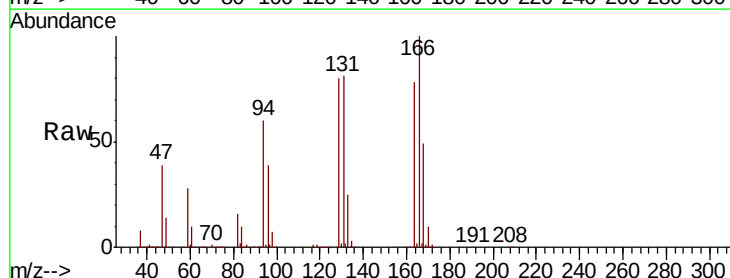
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

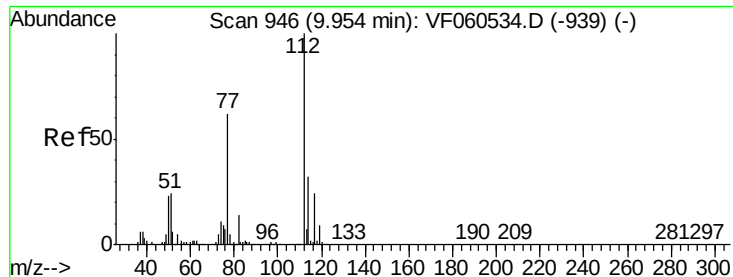
Tgt Ion:117 Resp: 377001
Ion Ratio Lower Upper
117 100
82 59.8 47.6 71.4
119 31.5 27.3 40.9



#64
Tetrachloroethene
Concen: 138.815 ug/l
RT: 8.31 min Scan# 779
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Tgt Ion:164 Resp: 450777
Ion Ratio Lower Upper
164 100
166 127.6 103.4 155.2
129 102.5 80.7 121.1
131 103.2 76.3 114.5

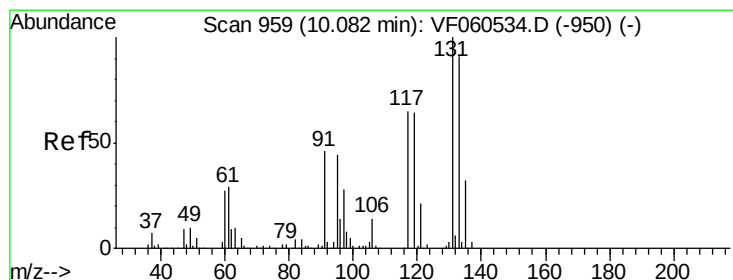
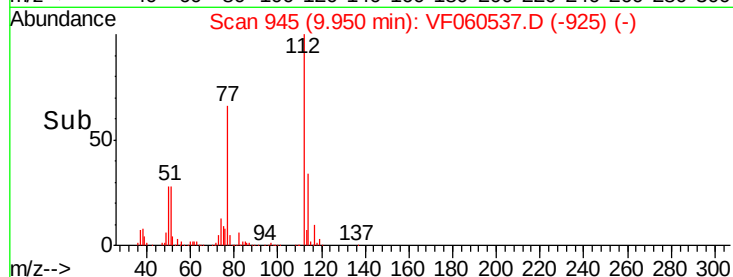
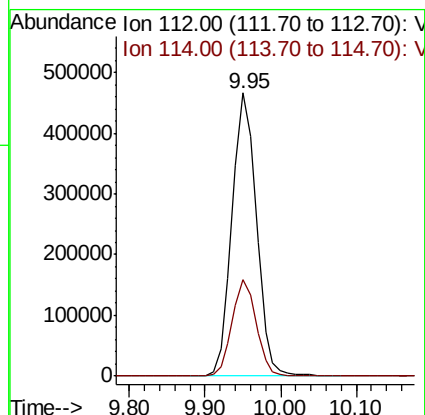
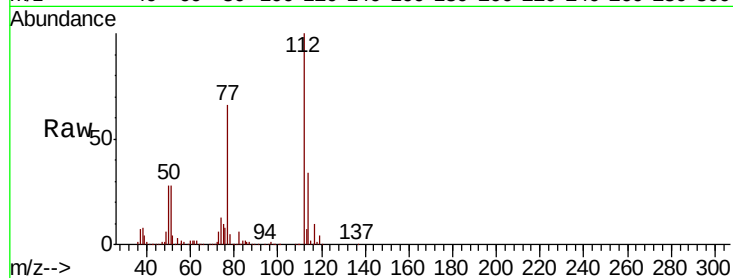




#65
Chlorobenzene
Concen: 130.511 ug/l
RT: 9.95 min Scan# 945
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

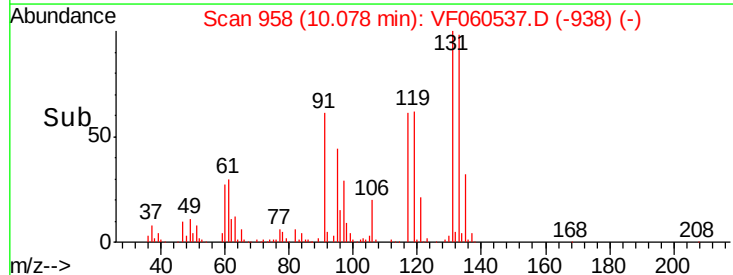
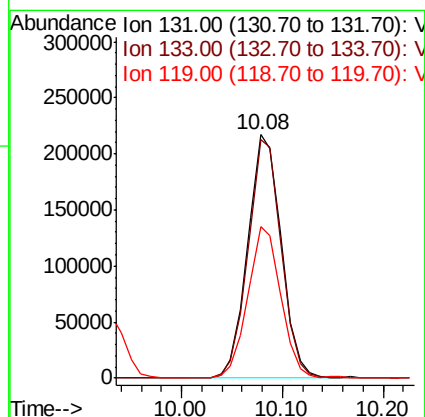
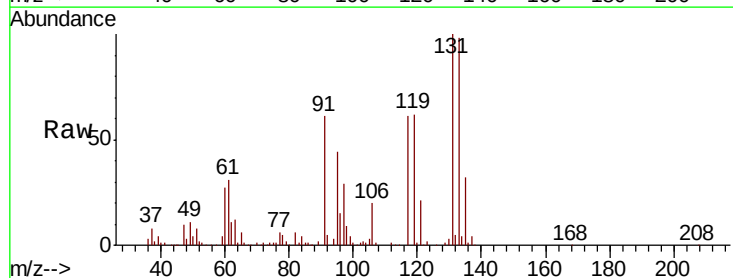
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

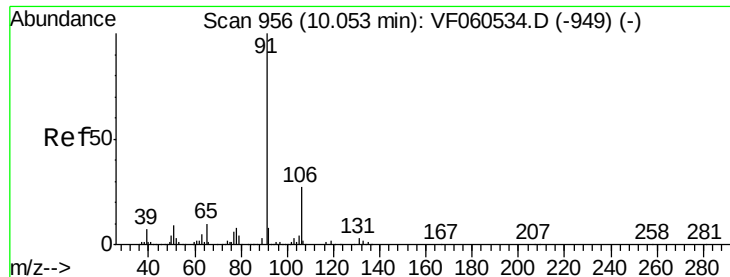
Tgt Ion:112 Resp: 1044004
Ion Ratio Lower Upper
112 100
114 34.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 126.152 ug/l
RT: 10.08 min Scan# 958
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Tgt Ion:131 Resp: 504016
Ion Ratio Lower Upper
131 100
133 98.1 45.8 137.3
119 62.2 32.4 97.0





#67

Ethyl Benzene

Concen: 121.873 ug/l

RT: 10.05 min Scan# 955

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

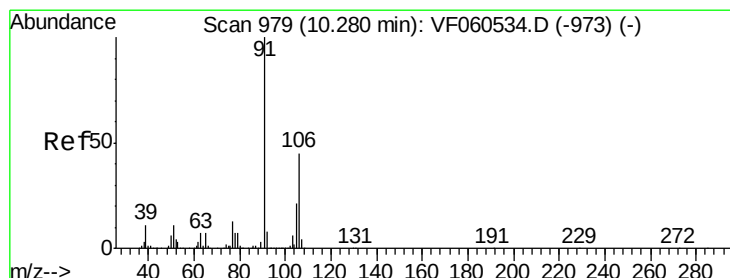
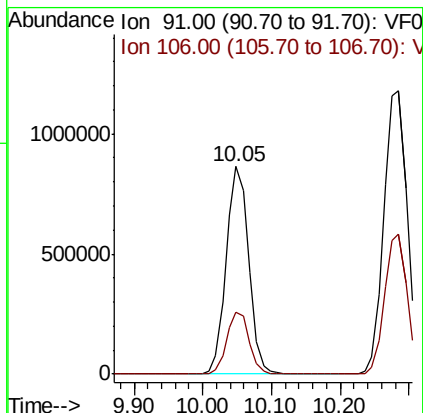
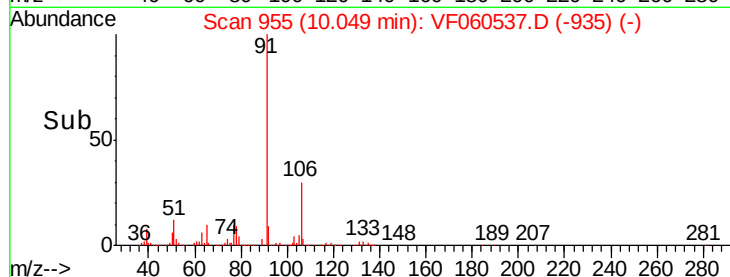
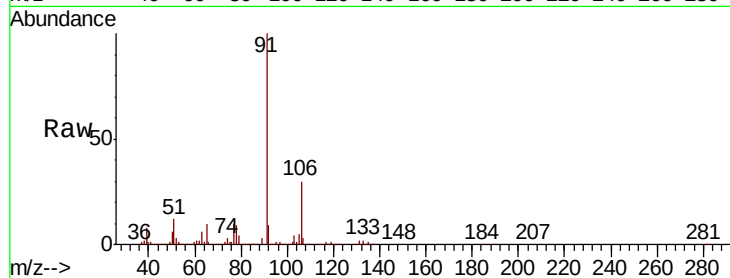
VSTDIC150

Tgt Ion: 91 Resp: 1961085

Ion Ratio Lower Upper

91 100

106 29.9 21.9 32.9



#68

m/p-Xylenes

Concen: 260.261 ug/l

RT: 10.29 min Scan# 979

Delta R.T. 0.01 min

Lab File: VF060537.D

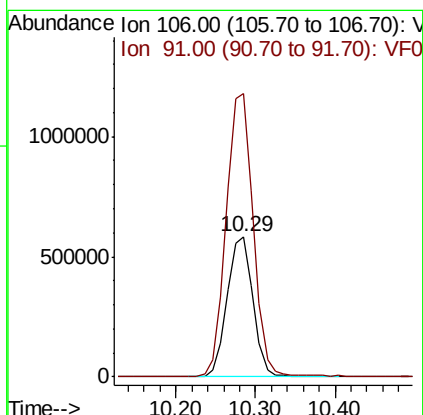
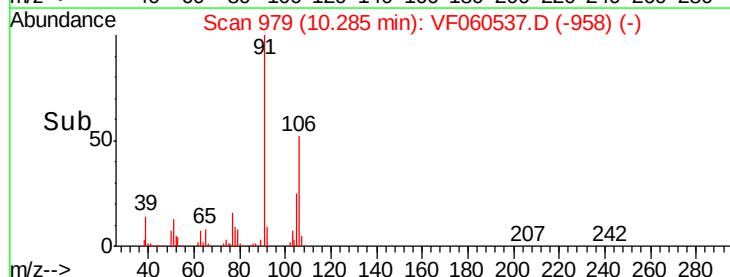
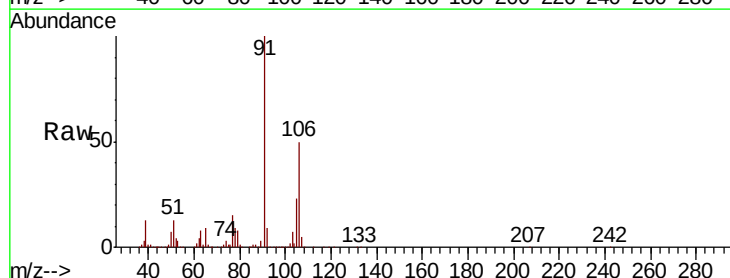
Acq: 29 Oct 2018 19:19

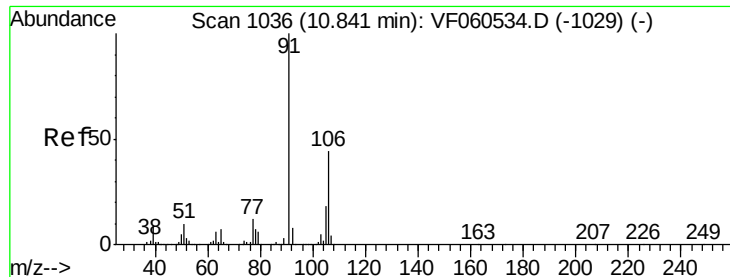
Tgt Ion: 106 Resp: 1325864

Ion Ratio Lower Upper

106 100

91 202.0 176.2 264.2

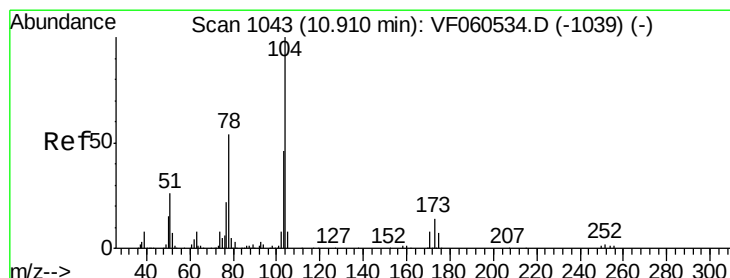
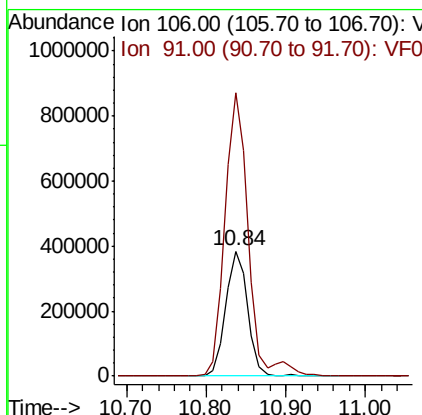
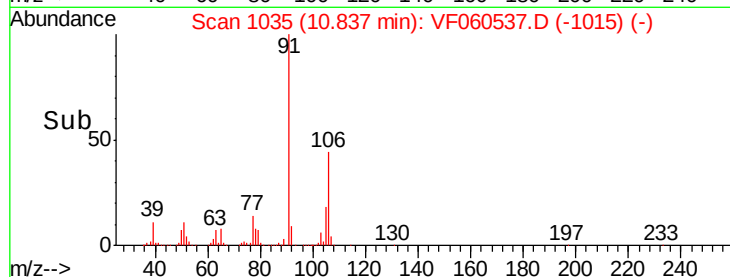
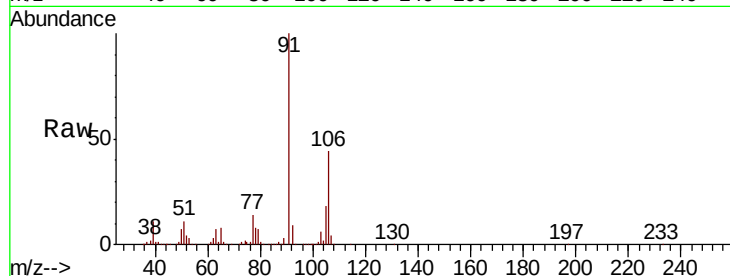




#69
o-Xylene
Concen: 130.253 ug/l
RT: 10.84 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

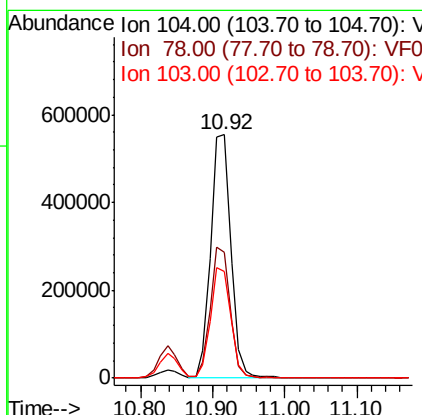
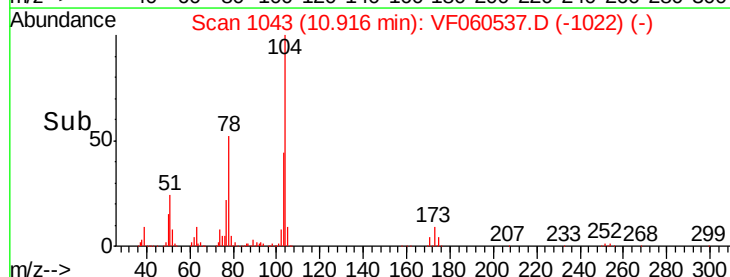
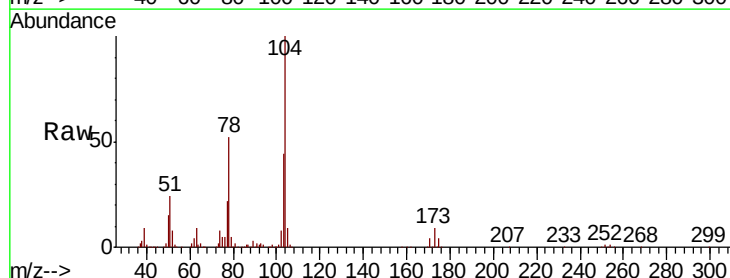
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

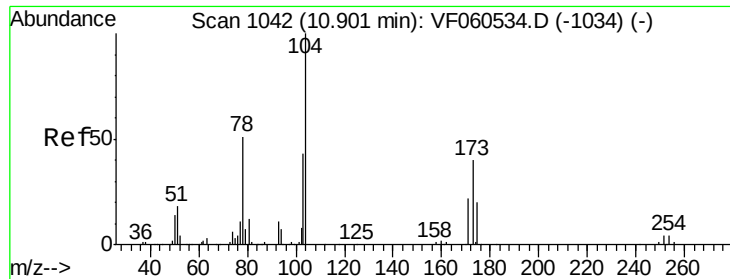
Tgt Ion:106 Resp: 751838
Ion Ratio Lower Upper
106 100
91 226.3 112.9 338.8



#70
Styrene
Concen: 132.211 ug/l
RT: 10.92 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Tgt Ion:104 Resp: 1067120
Ion Ratio Lower Upper
104 100
78 51.6 43.4 65.2
103 43.9 36.9 55.3





#71

Bromoform

Concen: 127.975 ug/l

RT: 10.90 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

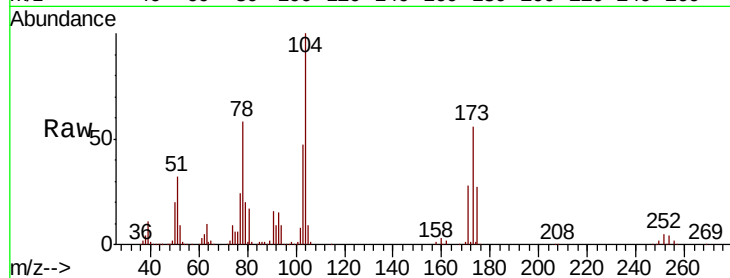
Tgt Ion:173 Resp: 275417

Ion Ratio Lower Upper

173 100

175 48.0 25.7 77.0

254 0.0 7.8 11.6#

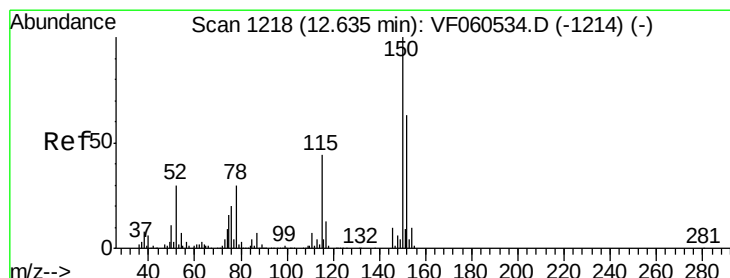
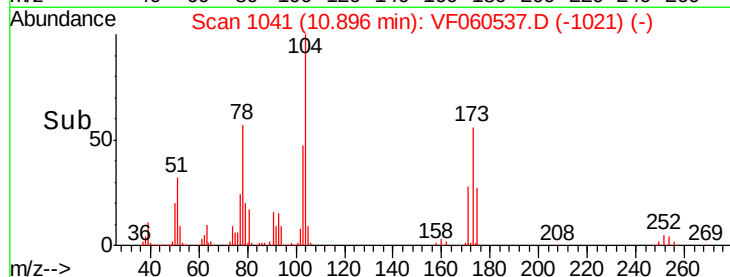
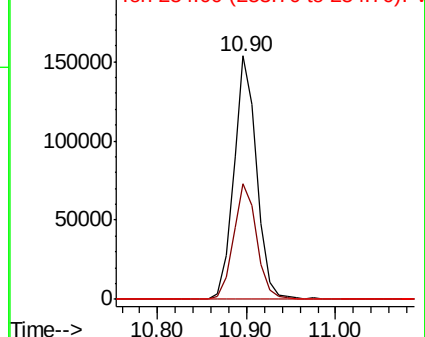


Abundance

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: 12.64 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

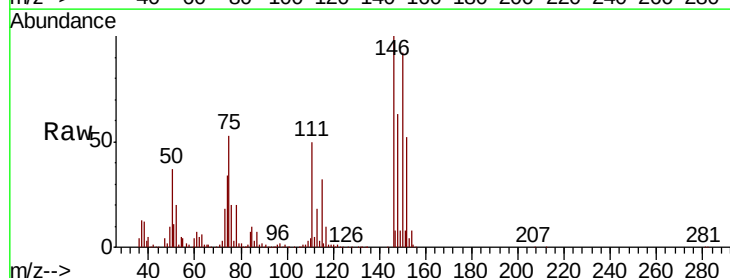
Tgt Ion:152 Resp: 216515

Ion Ratio Lower Upper

152 100

115 62.4 34.7 104.1

150 177.0 0.0 318.4

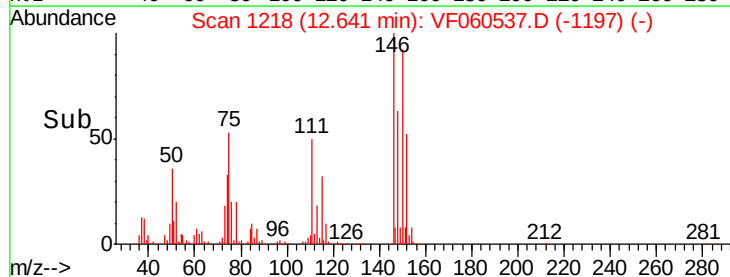
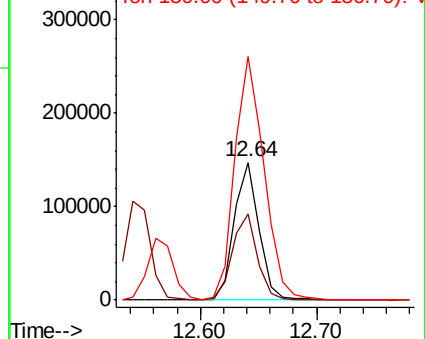


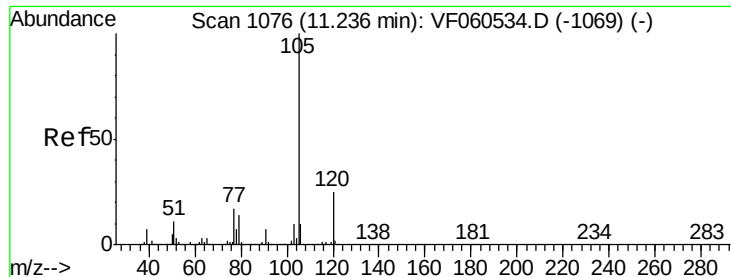
Abundance

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: 125.018 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

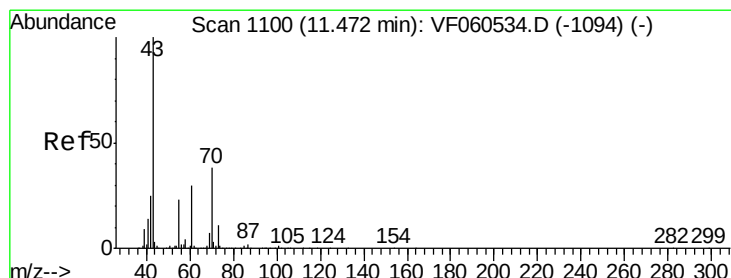
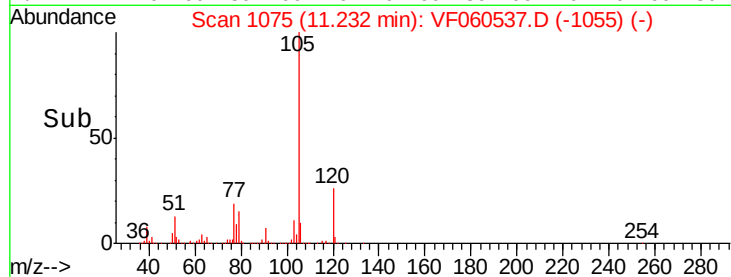
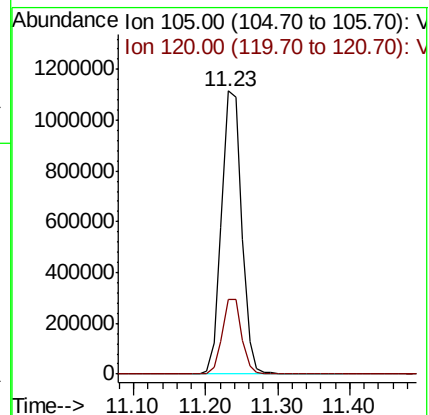
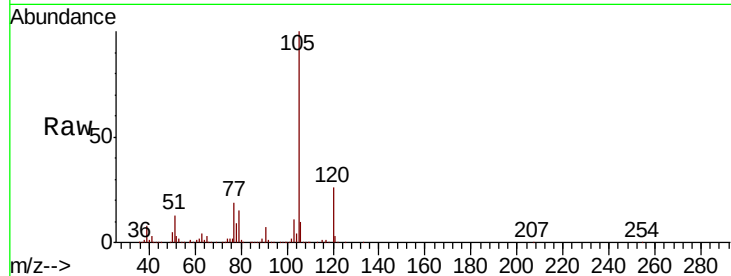
VSTDIC150

Tgt Ion: 105 Resp: 2149529

Ion Ratio Lower Upper

105 100

120 26.3 12.3 36.8



#74

N-ethyl acetate

Concen: 152.594 ug/l

RT: 11.47 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Tgt Ion: 43 Resp: 476358

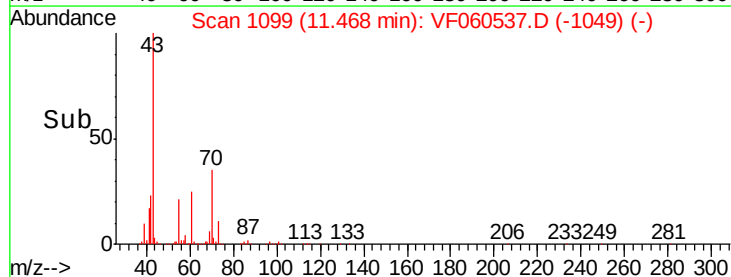
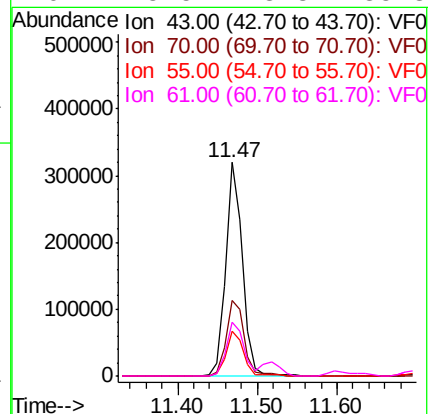
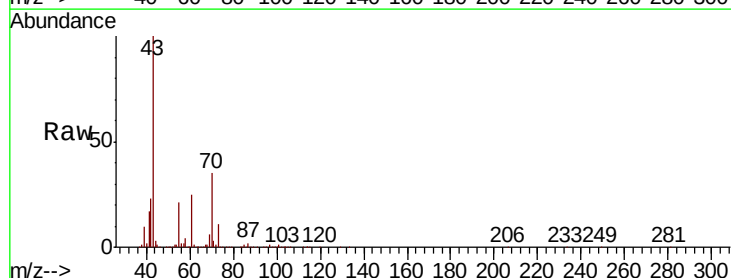
Ion Ratio Lower Upper

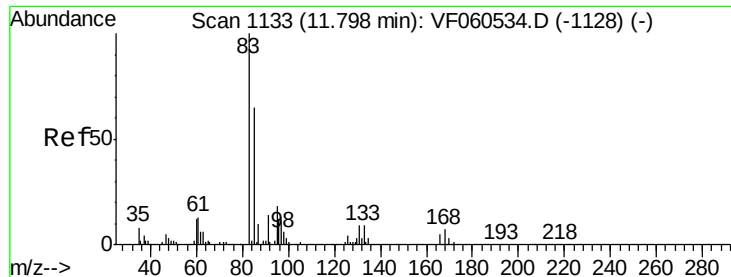
43 100

70 35.4 30.8 46.2

55 21.2 18.2 27.4

61 25.5 23.8 35.8





#75

1,1,2,2-Tetrachloroethane

Concen: 148.343 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

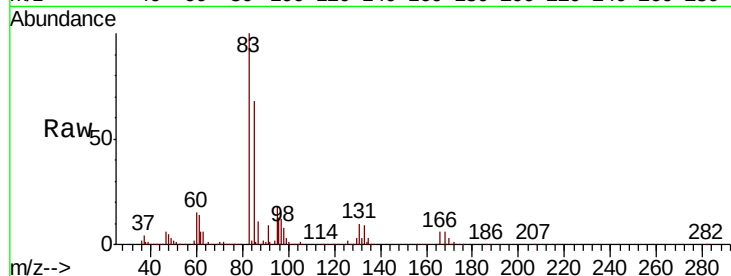
Tgt Ion: 83 Resp: 378437

Ion Ratio Lower Upper

83 100

131 9.7 4.7 14.0

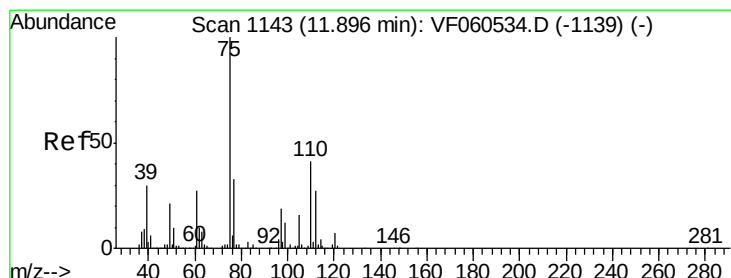
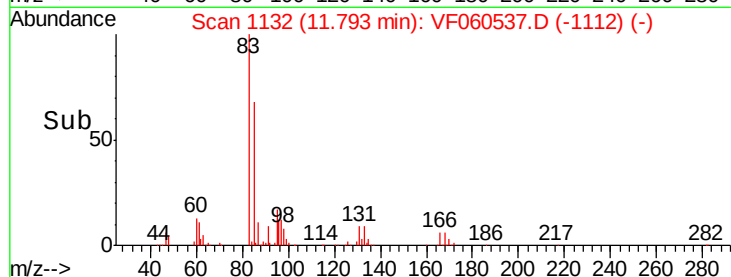
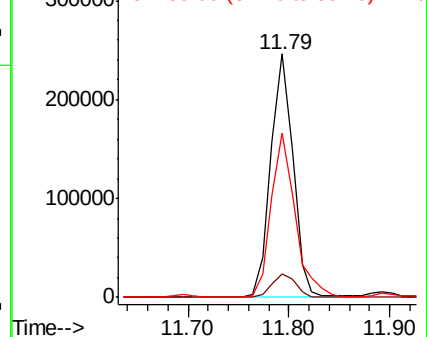
85 67.7 32.4 97.0



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: 138.545 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF060537.D

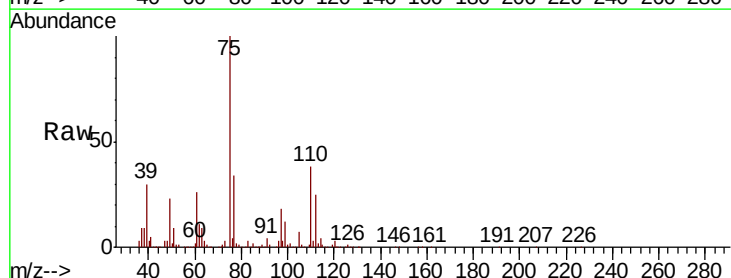
Acq: 29 Oct 2018 19:19

Tgt Ion: 75 Resp: 300318

Ion Ratio Lower Upper

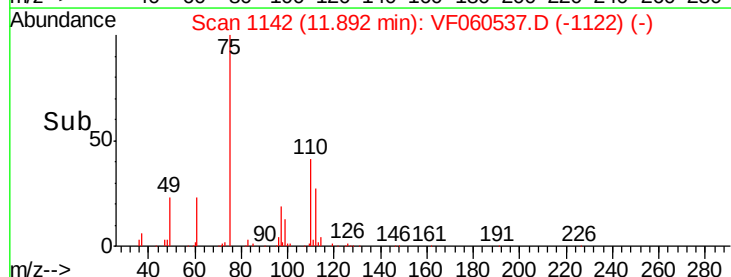
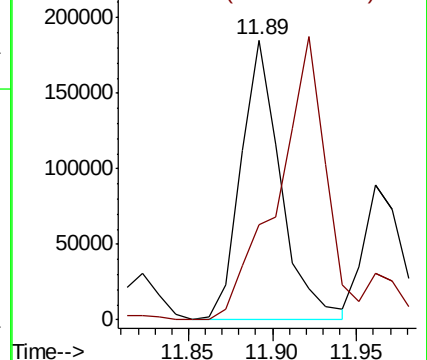
75 100

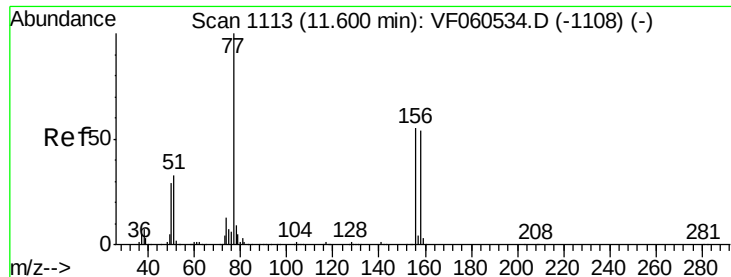
77 33.9 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 142.868 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

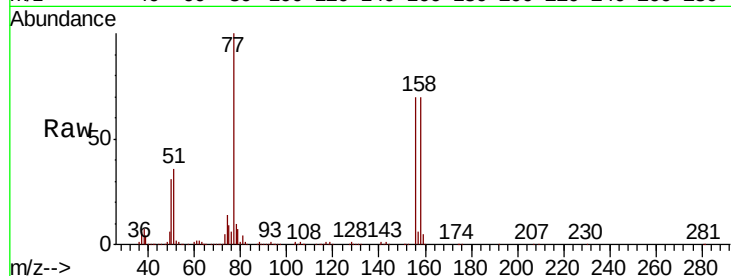
Tgt Ion:156 Resp: 516719

Ion Ratio Lower Upper

156 100

77 142.4 91.3 274.1

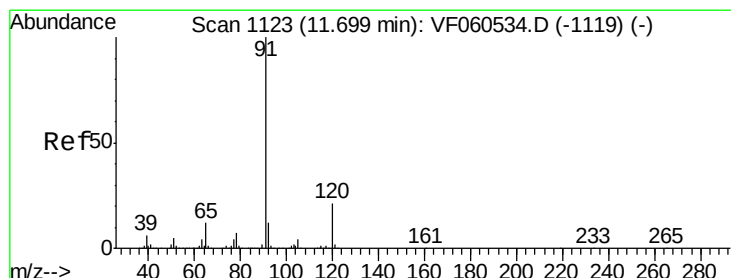
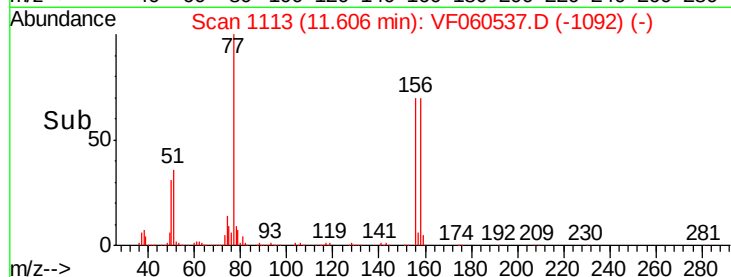
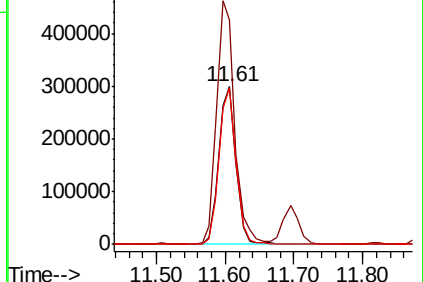
158 99.0 49.3 147.9



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: 123.088 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF060537.D

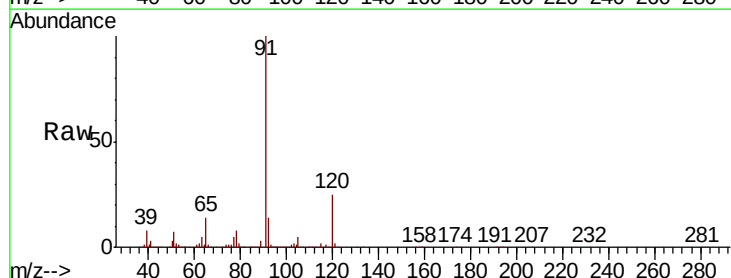
Acq: 29 Oct 2018 19:19

Tgt Ion: 91 Resp: 2467866

Ion Ratio Lower Upper

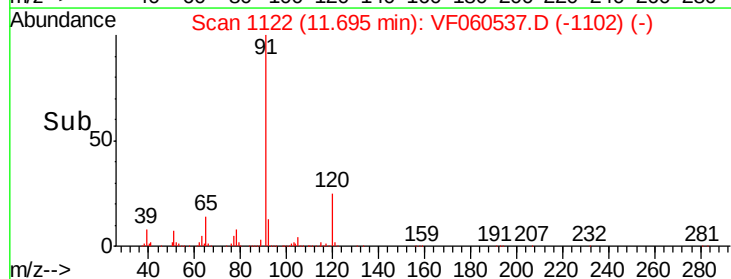
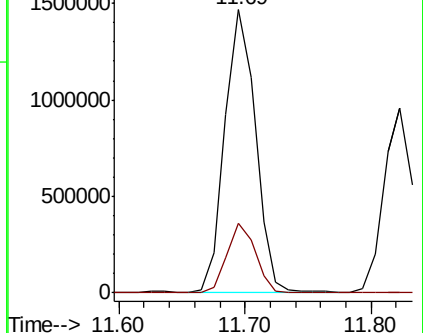
91 100

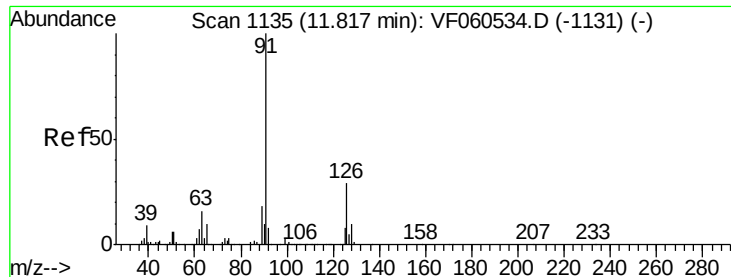
120 24.5 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 126.766 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.01 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

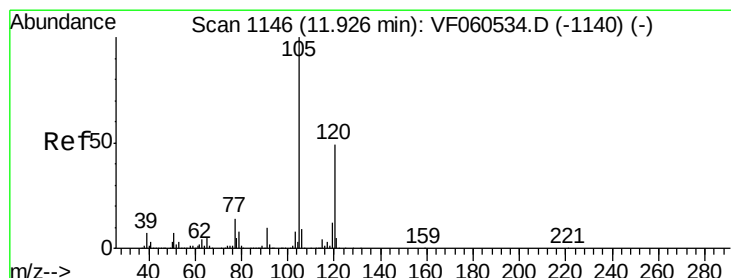
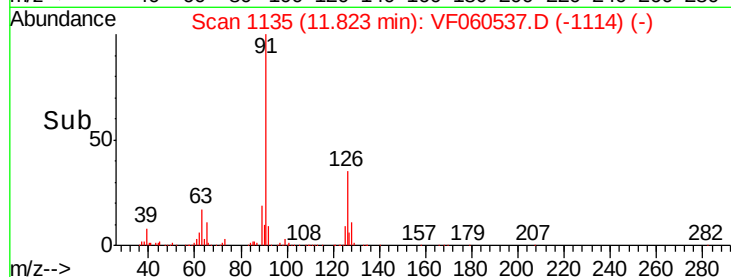
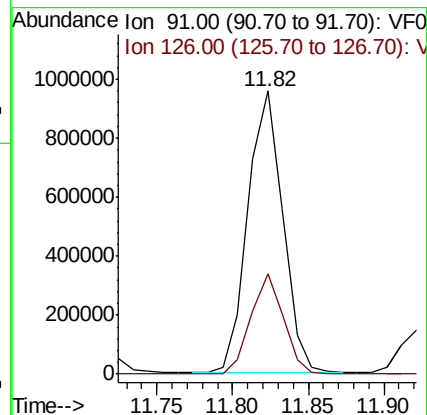
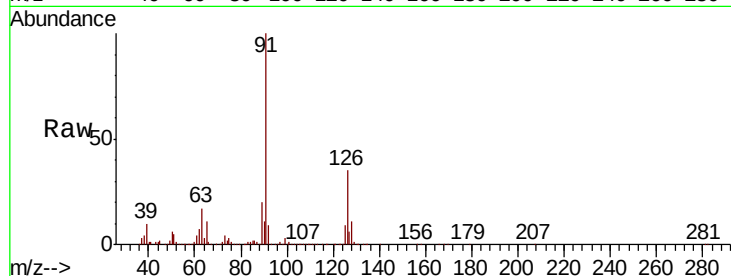
VSTDIC150

Tgt Ion: 91 Resp: 1539884

Ion Ratio Lower Upper

91 100

126 35.3 14.2 42.8



#80

1,3,5-Trimethylbenzene

Concen: 121.407 ug/l

RT: 11.92 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VF060537.D

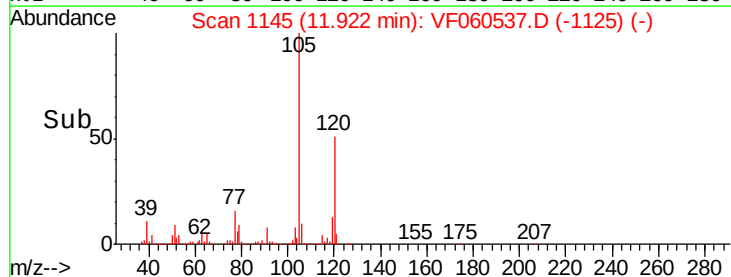
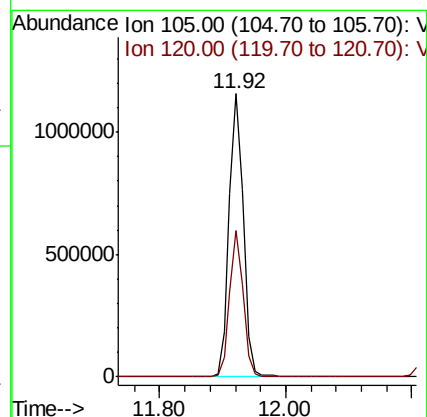
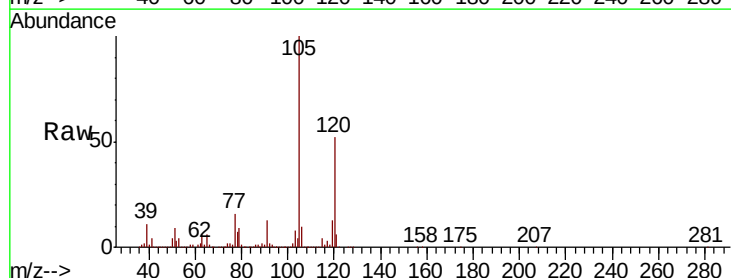
Acq: 29 Oct 2018 19:19

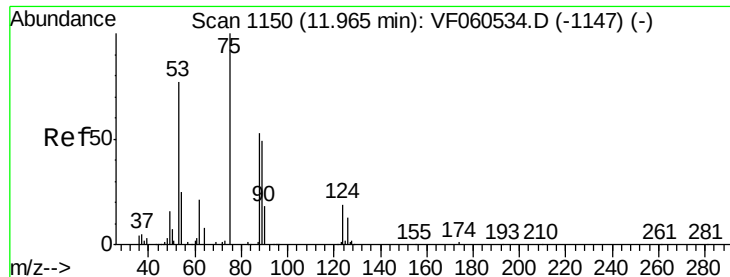
Tgt Ion: 105 Resp: 1827110

Ion Ratio Lower Upper

105 100

120 51.6 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 213.232 ug/l

RT: 11.96 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

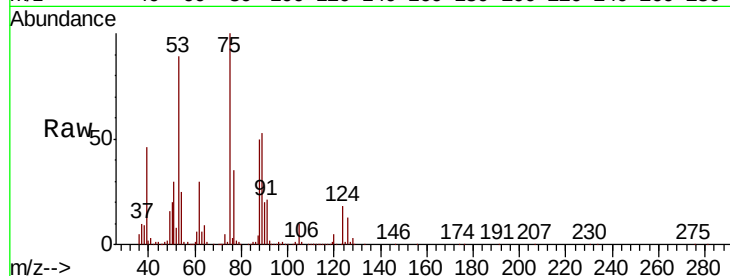
Tgt Ion: 75 Resp: 194129

Ion Ratio Lower Upper

75 100

53 89.1 65.8 98.6

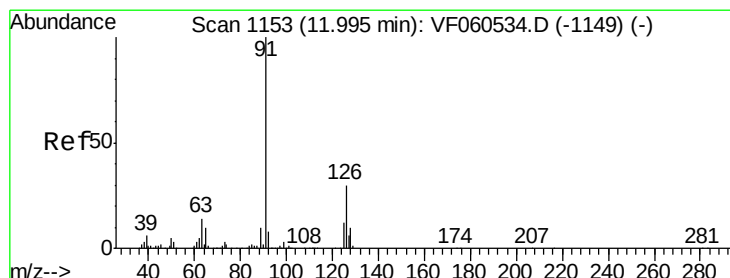
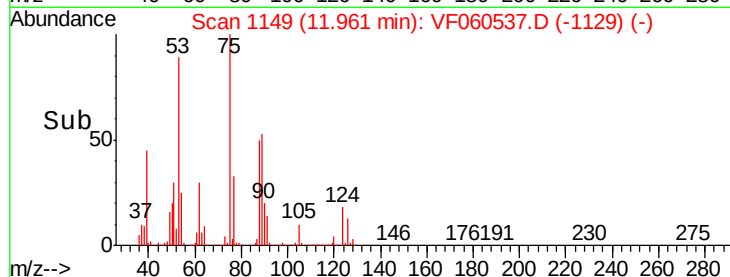
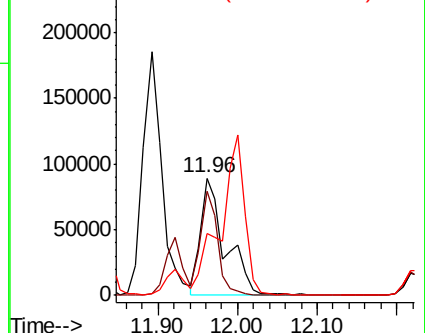
89 53.0 44.0 66.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 122.269 ug/l

RT: 12.00 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF060537.D

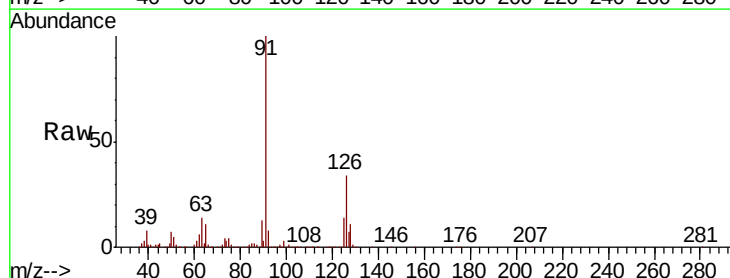
Acq: 29 Oct 2018 19:19

Tgt Ion: 91 Resp: 1572440

Ion Ratio Lower Upper

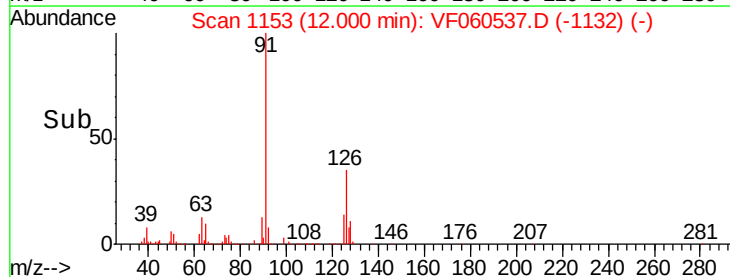
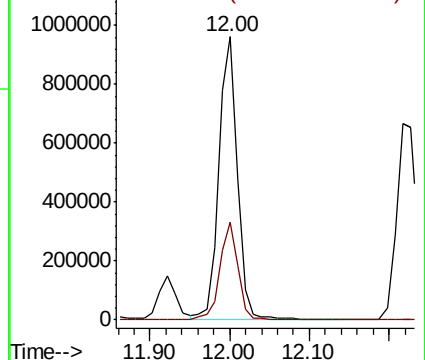
91 100

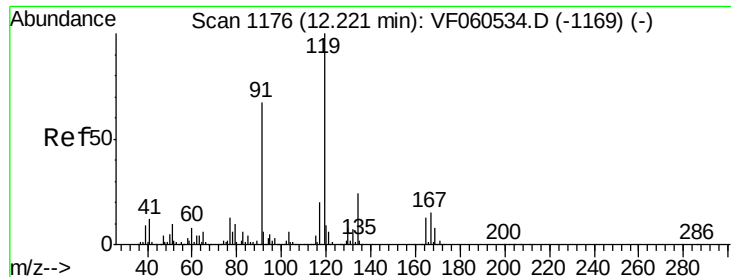
126 34.3 15.1 45.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

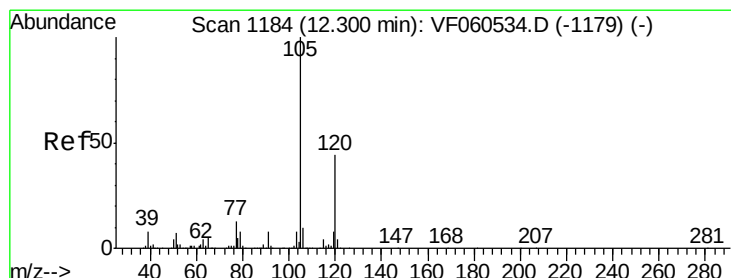
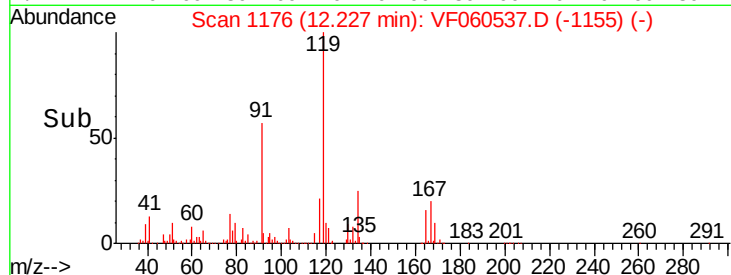
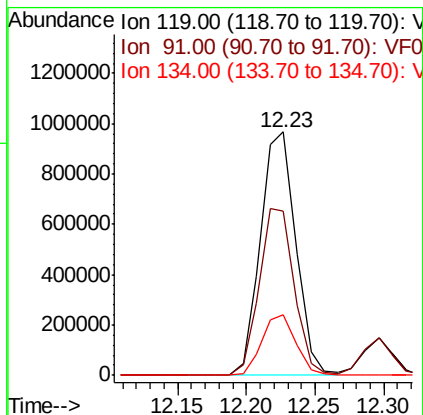
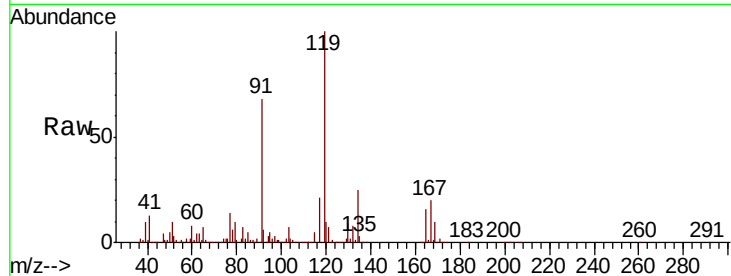




#83
 tert-Butylbenzene
 Concen: 115.387 ug/l
 RT: 12.23 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

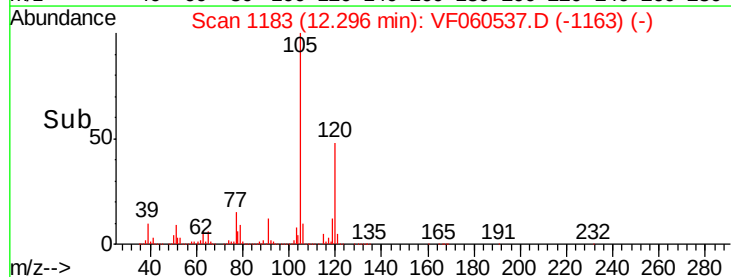
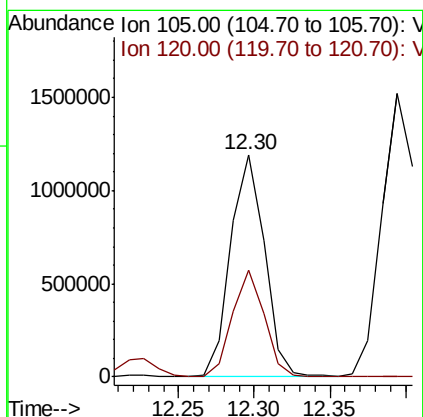
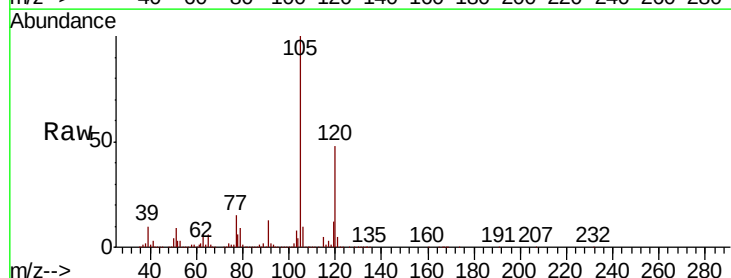
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

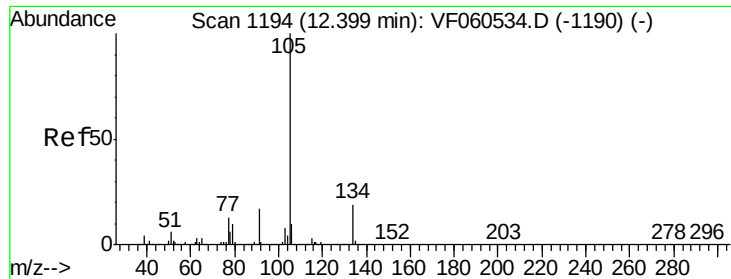
Tgt Ion:119 Resp: 1730663
 Ion Ratio Lower Upper
 119 100
 91 67.7 33.6 100.8
 134 25.0 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 125.380 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

Tgt Ion:105 Resp: 1867923
 Ion Ratio Lower Upper
 105 100
 120 47.8 22.0 66.0





#85

sec-Butylbenzene

Concen: 120.573 ug/l

RT: 12.39 min Scan# 1193

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

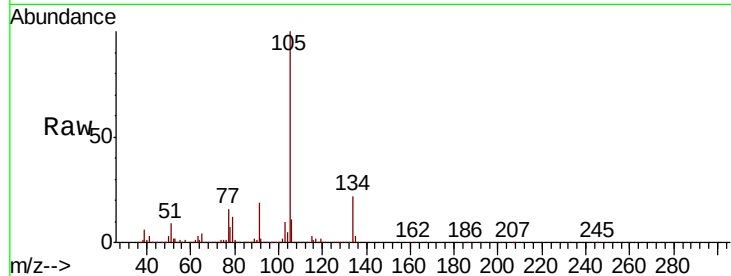
VSTDIC150

Tgt Ion:105 Resp: 2453804

Ion Ratio Lower Upper

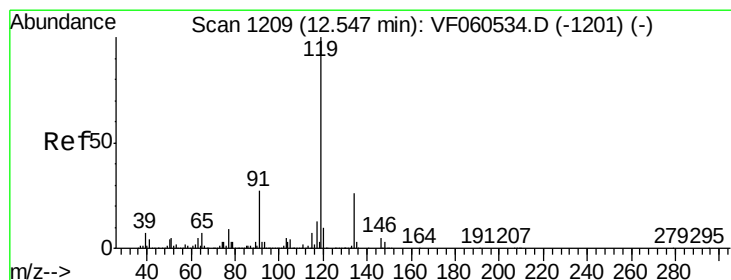
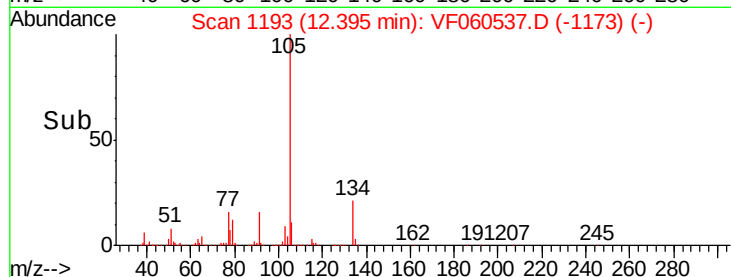
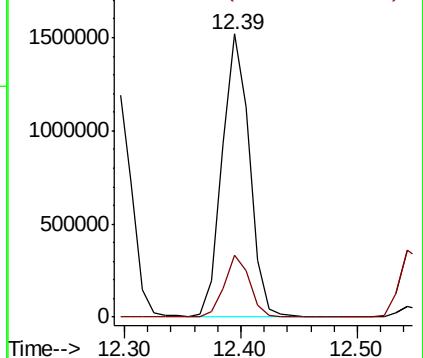
105 100

134 21.9 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 116.815 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

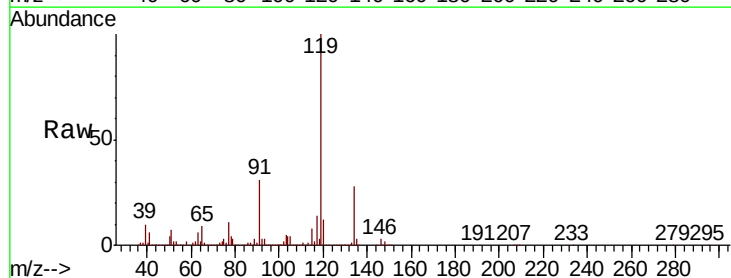
Tgt Ion:119 Resp: 2010513

Ion Ratio Lower Upper

119 100

134 27.7 13.1 39.1

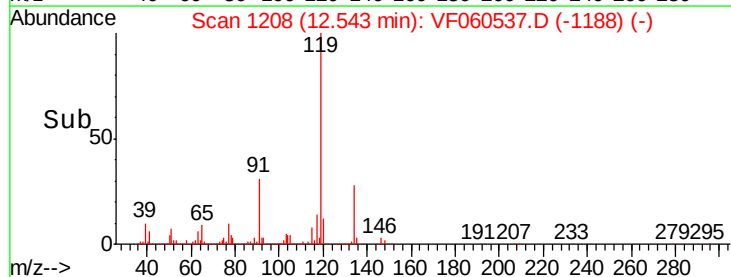
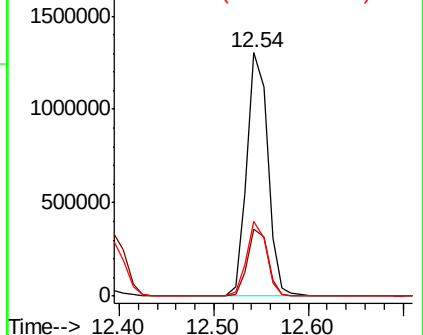
91 30.7 13.5 40.4

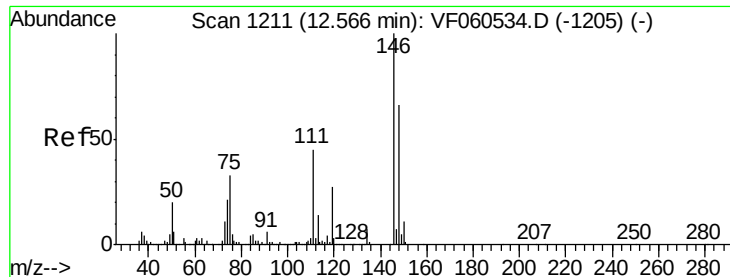


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

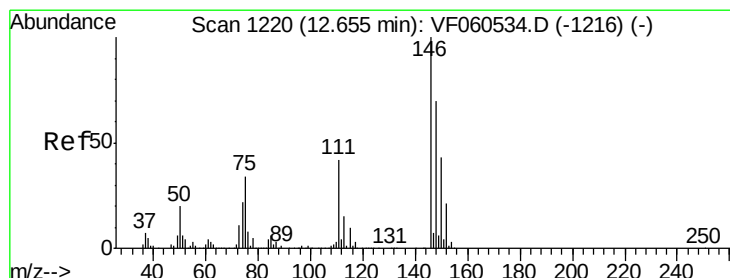
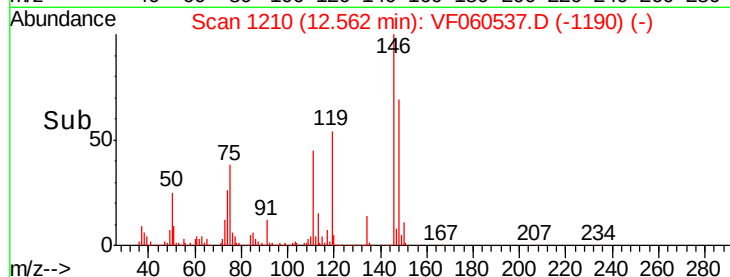
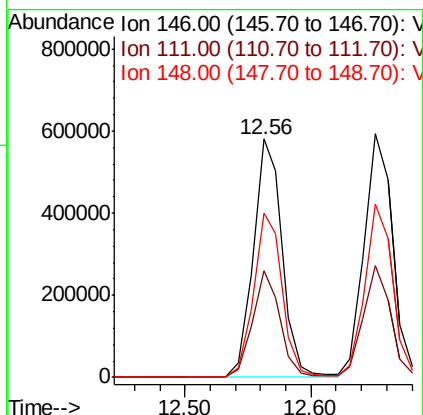
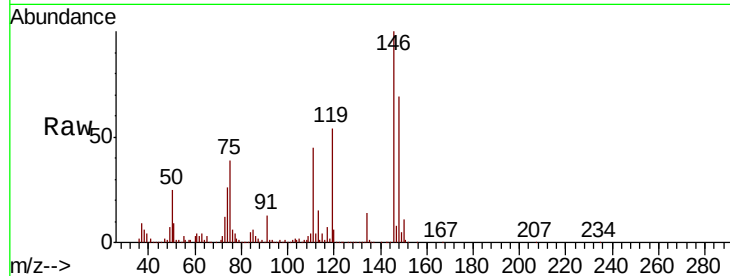




#87
 1,3-Dichlorobenzene
 Concen: 126.328 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

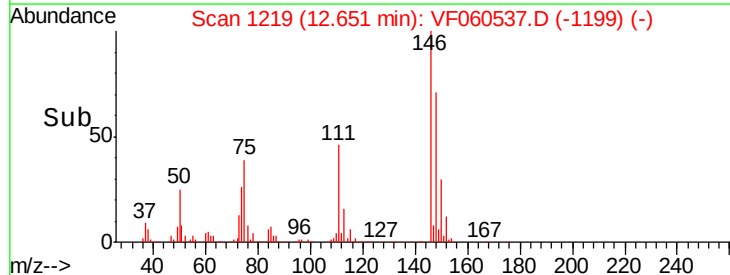
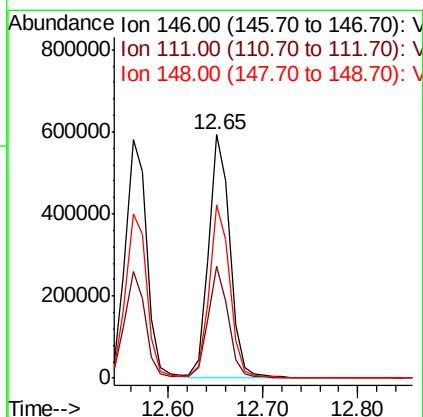
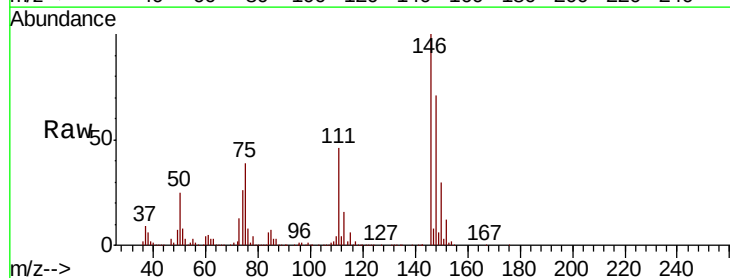
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

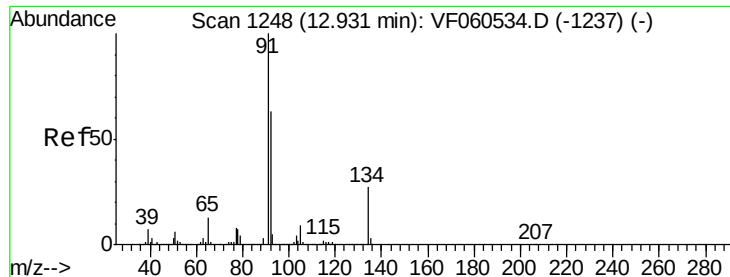
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.6	67.7
148	68.8	33.1	99.3



#88
 1,4-Dichlorobenzene
 Concen: 132.987 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.1	21.2	63.6
148	71.1	35.1	105.5

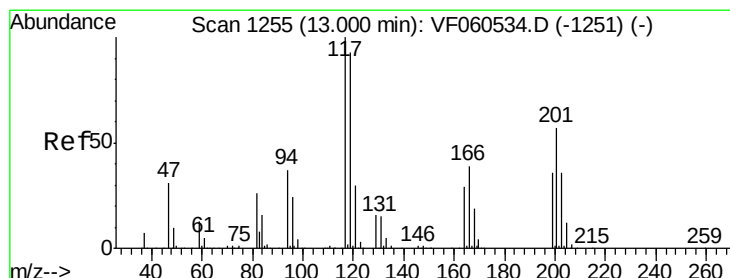
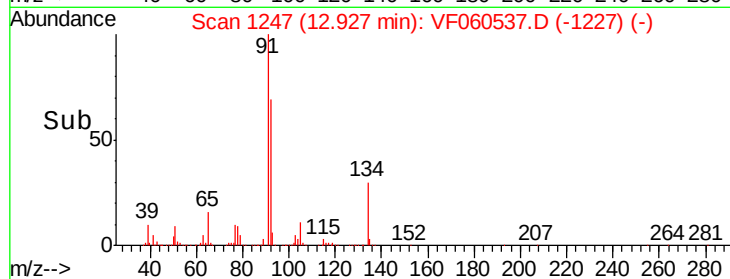
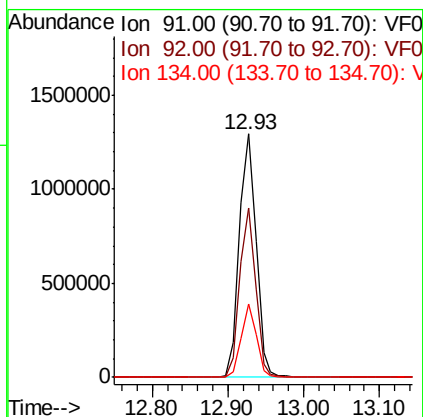
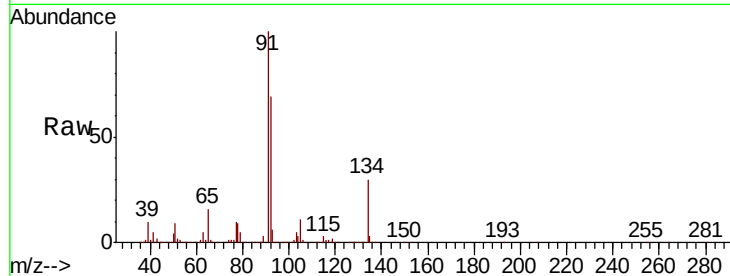




#89
n-Butylbenzene
Concen: 107.101 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

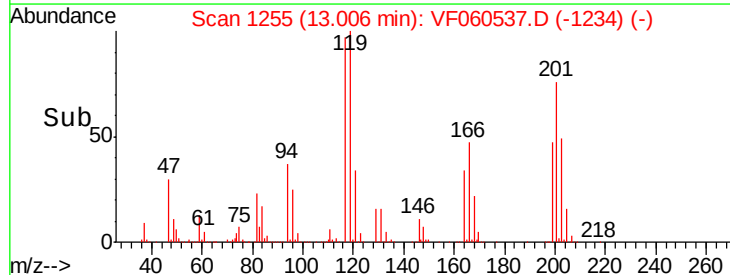
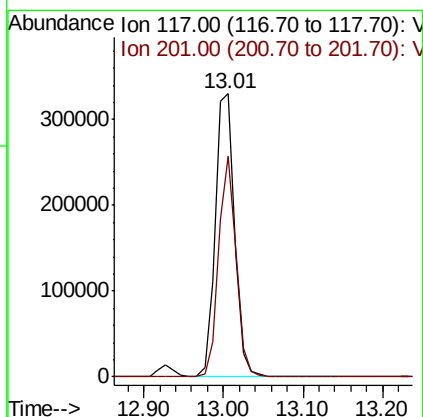
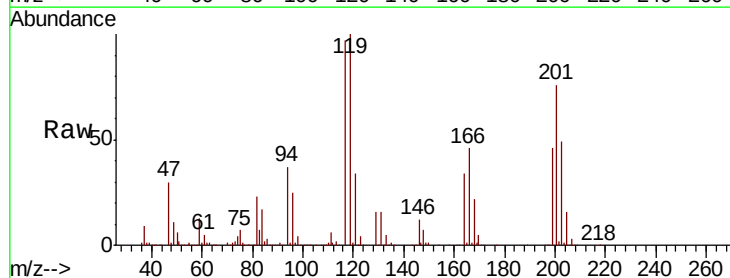
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

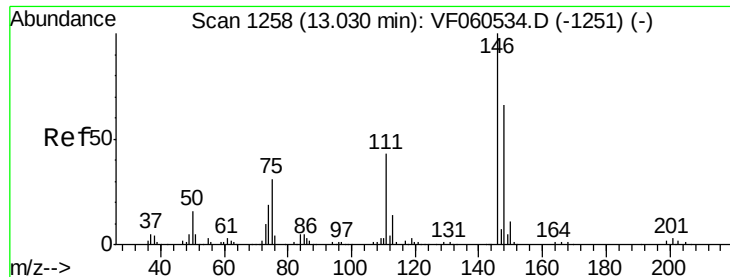
Tgt Ion: 91 Resp: 1963660
Ion Ratio Lower Upper
91 100
92 69.3 31.3 93.9
134 30.3 13.3 39.8



#90
Hexachloroethane
Concen: 125.728 ug/l
RT: 13.01 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Tgt Ion: 117 Resp: 566101
Ion Ratio Lower Upper
117 100
201 78.2 28.2 84.7

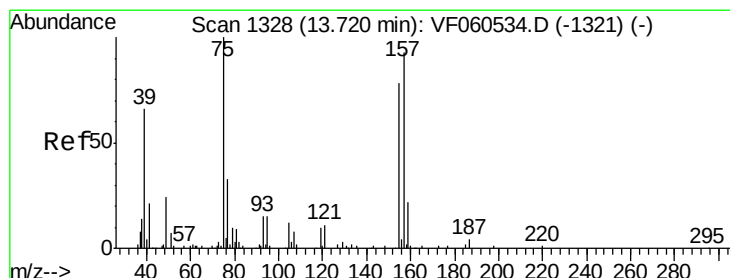
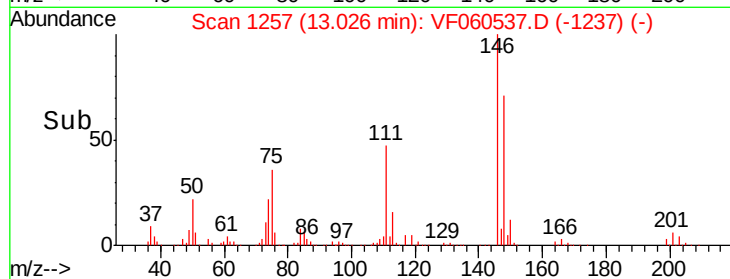
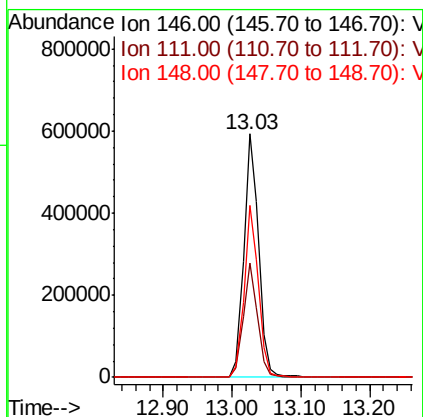
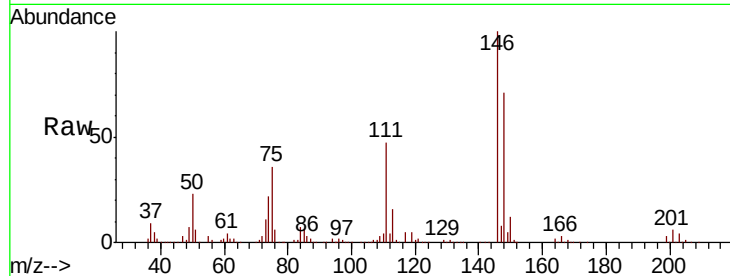




#91
 1,2-Dichlorobenzene
 Concen: 125.512 ug/l
 RT: 13.03 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

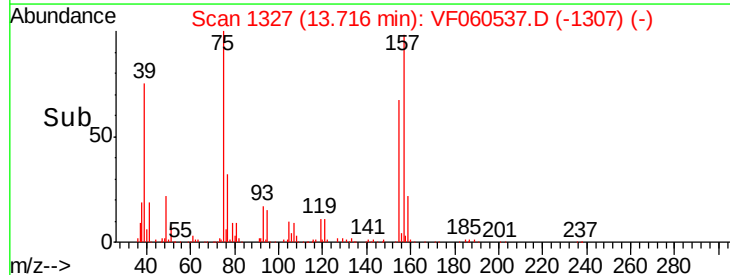
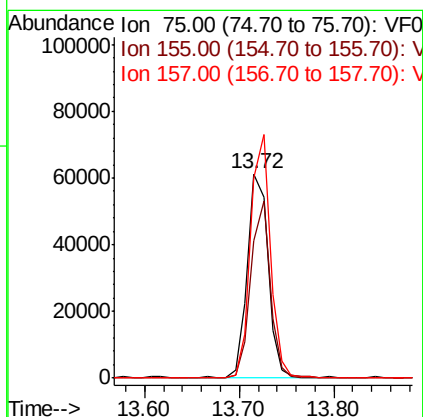
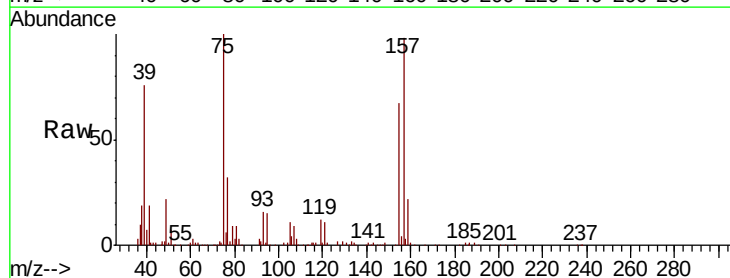
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

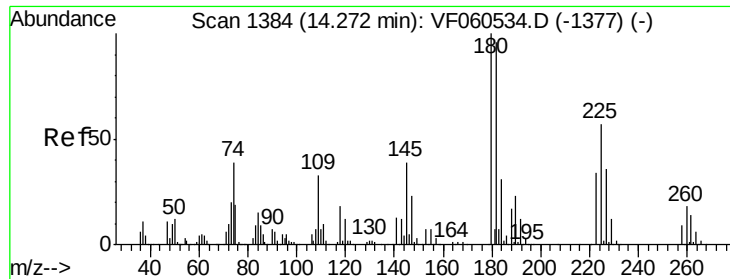
Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.2	21.5	64.5
148	70.7	33.1	99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 151.453 ug/l
 RT: 13.72 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.1	40.8	122.5
157	97.9	46.5	139.5

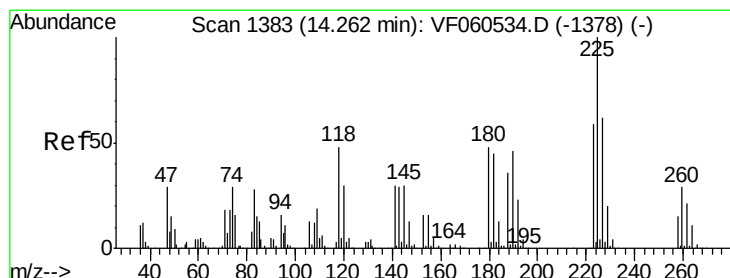
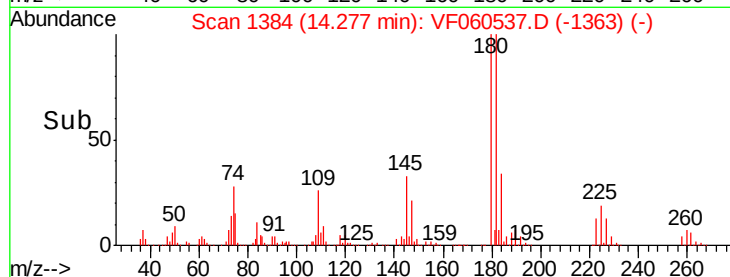
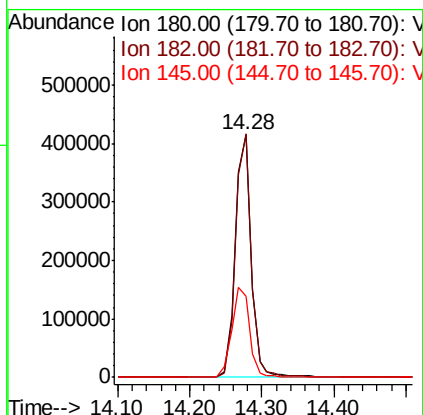
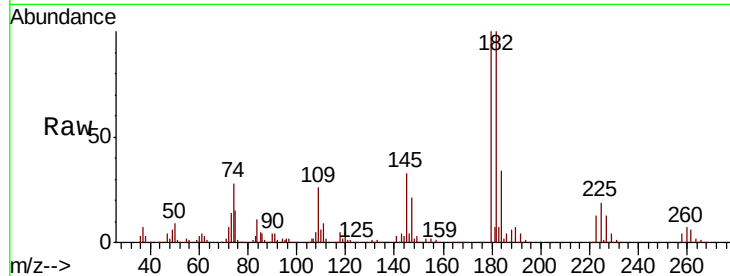




#93
 1,2,4-Trichlorobenzene
 Concen: 115.279 ug/l
 RT: 14.28 min Scan# 1384
 Delta R.T. 0.01 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

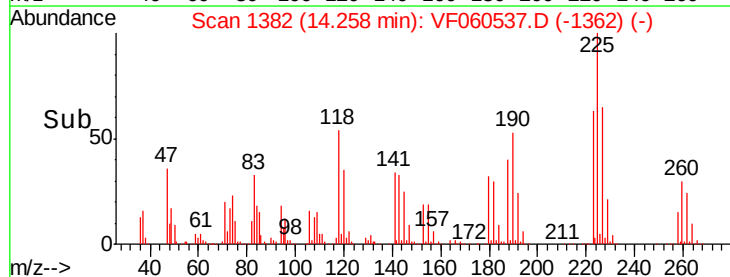
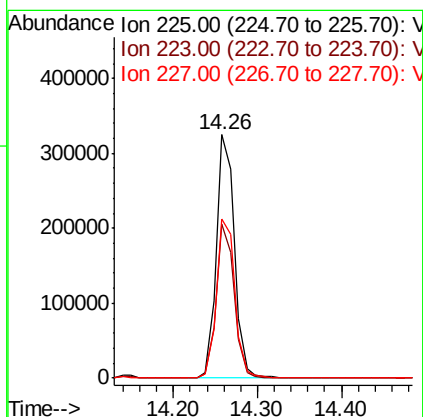
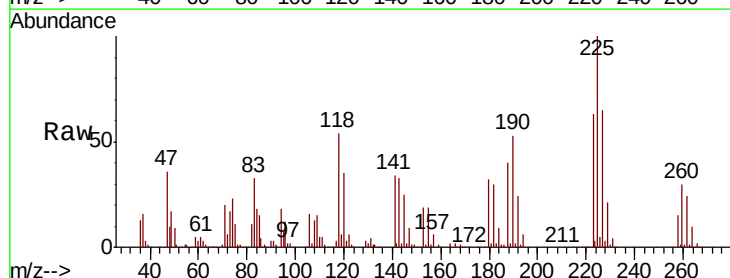
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

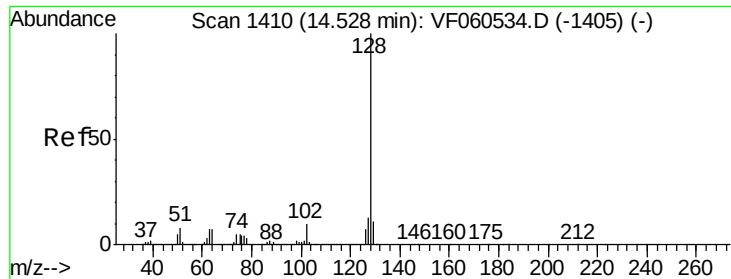
Tgt Ion:180 Resp: 647449
 Ion Ratio Lower Upper
 180 100
 182 100.4 48.1 144.3
 145 33.3 19.5 58.5



#94
 Hexachlorobutadiene
 Concen: 117.179 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

Tgt Ion:225 Resp: 484973
 Ion Ratio Lower Upper
 225 100
 223 63.3 29.5 88.5
 227 65.4 31.3 93.8

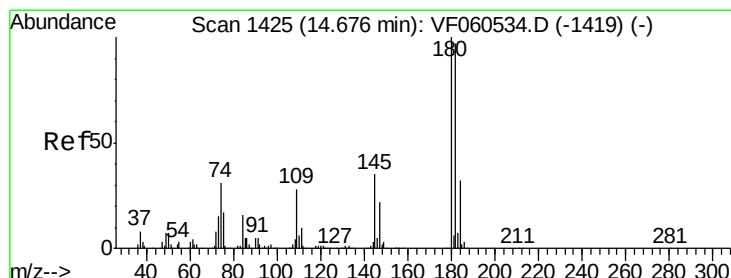
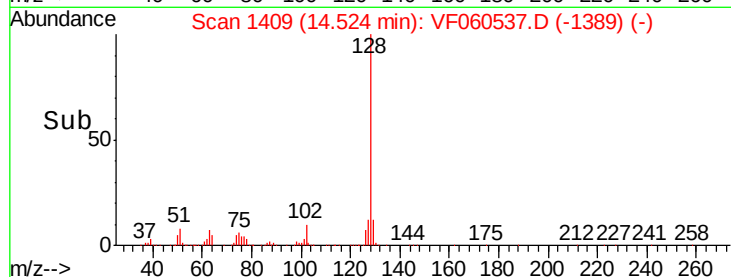
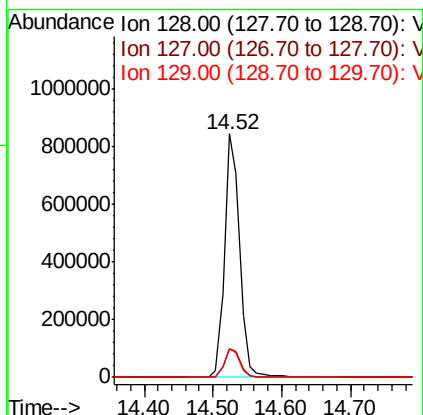
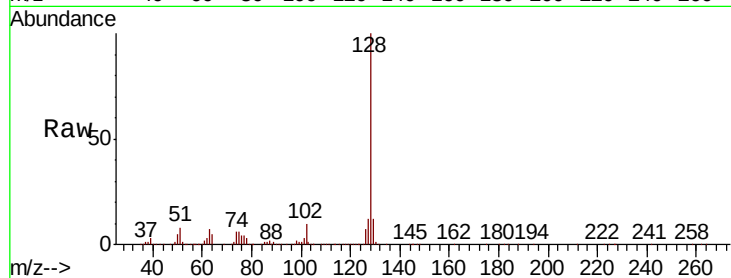




#95
Naphthalene
Concen: 142.461 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Instrument :
MSVOA_F
ClientSampled :
VSTDIC150

Tgt Ion:128 Resp: 1286370
Ion Ratio Lower Upper
128 100
127 11.6 10.1 15.1
129 11.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 125.641 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Tgt Ion:180 Resp: 650014
Ion Ratio Lower Upper
180 100
182 101.9 48.7 146.1
145 35.8 17.3 52.0

