

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF103018\
 Data File : VF060543.D
 Acq On : 30 Oct 2018 13:57
 Operator : VA/AP
 Sample : VF1030SBSD01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBSD01

Quant Time: Oct 31 04:49:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 05:31:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	240759	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	375710	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	335836	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.64	152	192014	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	207928	55.99	ug/l	-0.02
Spiked Amount			Recovery	=	111.98%	
35) Dibromofluoromethane	4.29	113	198301	55.00	ug/l	-0.02
Spiked Amount			Recovery	=	110.00%	
50) Toluene-d8	7.71	98	471648	53.57	ug/l	-0.02
Spiked Amount			Recovery	=	107.14%	
62) 4-Bromofluorobenzene	11.51	95	209853	51.73	ug/l	-0.01
Spiked Amount			Recovery	=	103.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	124540	28.499	ug/l	99
3) Chloromethane	1.13	50	66379	25.238	ug/l	93
4) Vinyl Chloride	1.18	62	71348	24.717	ug/l #	83
5) Bromomethane	1.36	94	63222	27.869	ug/l	97
6) Chloroethane	1.42	64	42457	28.249	ug/l #	84
7) Trichlorofluoromethane	1.54	101	184037	26.463	ug/l	93
8) Diethyl Ether	1.69	74	19734	22.625	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.89	101	80504	25.669	ug/l	95
10) Methyl Iodide	1.96	142	135543	25.766	ug/l #	91
11) Tert butyl alcohol	2.69	59	20207	137.572	ug/l #	94
12) 1,1-Dichloroethene	1.84	96	64128	23.701	ug/l	93
13) Acrolein	2.09	56	19035	139.849	ug/l	85
14) Allyl chloride	2.19	41	105928	24.622	ug/l	94
15) Acrylonitrile	3.07	53	39354	105.979	ug/l #	89
16) Acetone	2.33	43	110818	151.361	ug/l #	92
17) Carbon Disulfide	1.88	76	195357	25.691	ug/l #	88
18) Methyl Acetate	2.45	43	24471	23.158	ug/l #	85
19) Methyl tert-butyl Ether	2.53	73	153574	25.333	ug/l	94
20) Methylene Chloride	2.28	84	32620	12.581	ug/l	94
21) trans-1,2-Dichloroethene	2.40	96	67987	24.568	ug/l	91
22) Diisopropyl ether	2.93	45	193954	24.819	ug/l	96
23) Vinyl Acetate	3.33	43	345972	119.352	ug/l	99
24) 1,1-Dichloroethane	2.99	63	141175	25.036	ug/l	100
25) 2-Butanone	4.51	43	116649	120.216	ug/l #	83
26) 2,2-Dichloropropane	3.76	77	83032	23.694	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	67413	20.203	ug/l	95
28) Bromochloromethane	3.88	49	40681	20.028	ug/l	93
29) Tetrahydrofuran	4.25	42	36670	110.463	ug/l	93
30) Chloroform	4.03	83	164216	23.059	ug/l	99
31) Cyclohexane	3.87	56	84420	20.967	ug/l	92
32) 1,1,1-Trichloroethane	4.27	97	146895	24.949	ug/l	96
36) 1,1-Dichloropropene	4.45	75	106616	22.775	ug/l	92
37) Ethyl Acetate	4.29	43	39169	25.846	ug/l	98
38) Carbon Tetrachloride	4.17	117	158853	28.342	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	96888	20.495	ug/l	99
40) Benzene	4.81	78	203978	21.970	ug/l	97
41) Methacrylonitrile	4.92	41	18935	21.858	ug/l	92
42) 1,2-Dichloroethane	5.11	62	108377	25.139	ug/l	91
43) Isopropyl Acetate	7.11	43	45086	24.579	ug/l #	87
44) Trichloroethene	5.67	130	68478	22.817	ug/l	94
45) 1,2-Dichloropropane	6.40	63	51694	22.312	ug/l	91
46) Dibromomethane	6.25	93	40421	22.217	ug/l	91
47) Bromodichloromethane	6.54	83	119479	25.593	ug/l	98
48) Methyl methacrylate	6.87	41	29482	23.301	ug/l	97
49) 1,4-Dioxane	6.86	88	4637	393.970	ug/l	90
51) 4-Methyl-2-Pentanone	8.41	43	158180	119.047	ug/l	93
52) Toluene	7.78	92	132289	21.948	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	90158	24.722	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	97327	22.519	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	40027	22.164	ug/l	89
56) Ethyl methacrylate	8.76	69	46569	22.981	ug/l	97
57) 1,3-Dichloropropane	9.00	76	66530	21.769	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	26277	125.818	ug/l	100
59) 2-Hexanone	9.63	43	124517	122.499	ug/l	93
60) Dibromochloromethane	8.86	129	64651	22.223	ug/l	100
61) 1,2-Dibromoethane	9.14	107	41875	20.027	ug/l	82
64) Tetrachloroethene	8.31	164	62234	21.922	ug/l	97
65) Chlorobenzene	9.94	112	146830	21.731	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.07	131	68845	22.360	ug/l	97
67) Ethyl Benzene	10.03	91	294261	22.793	ug/l	97
68) m/p-Xylenes	10.27	106	189951	43.082	ug/l	93
69) o-Xylene	10.83	106	105481	21.243	ug/l	89
70) Styrene	10.90	104	154965	22.136	ug/l	96
71) Bromoform	10.89	173	35038	22.063	ug/l #	91
73) Isopropylbenzene	11.23	105	318631	21.708	ug/l	95
74) N-amyl acetate	11.46	43	72376	24.623	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.79	83	49093	20.044	ug/l	100
76) 1,2,3-Trichloropropane	11.89	75	41535	22.543	ug/l	100
77) Bromobenzene	11.59	156	71731	22.212	ug/l	97
78) n-propylbenzene	11.69	91	404551	23.237	ug/l	95
79) 2-Chlorotoluene	11.82	91	227081	21.793	ug/l	94
80) 1,3,5-Trimethylbenzene	11.92	105	286816	22.615	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.95	75	25875	32.152	ug/l	85
82) 4-Chlorotoluene	11.98	91	248771	23.027	ug/l	99
83) tert-Butylbenzene	12.21	119	290373	23.626	ug/l	95
84) 1,2,4-Trimethylbenzene	12.29	105	287251	22.298	ug/l	97
85) sec-Butylbenzene	12.39	105	371781	21.585	ug/l	98
86) p-Isopropyltoluene	12.54	119	317050	22.428	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	142022	22.031	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	139797	22.978	ug/l	92
89) n-Butylbenzene	12.92	91	329614	21.373	ug/l	96
90) Hexachloroethane	12.99	117	78439	21.497	ug/l	97
91) 1,2-Dichlorobenzene	13.02	146	133632	22.003	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	9430	18.569	ug/l	92

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VF1030SBSD01

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Quant Title : SW846 8260
QLast Update : Tue Oct 30 05:31:58 2018
Response via : Initial Calibration

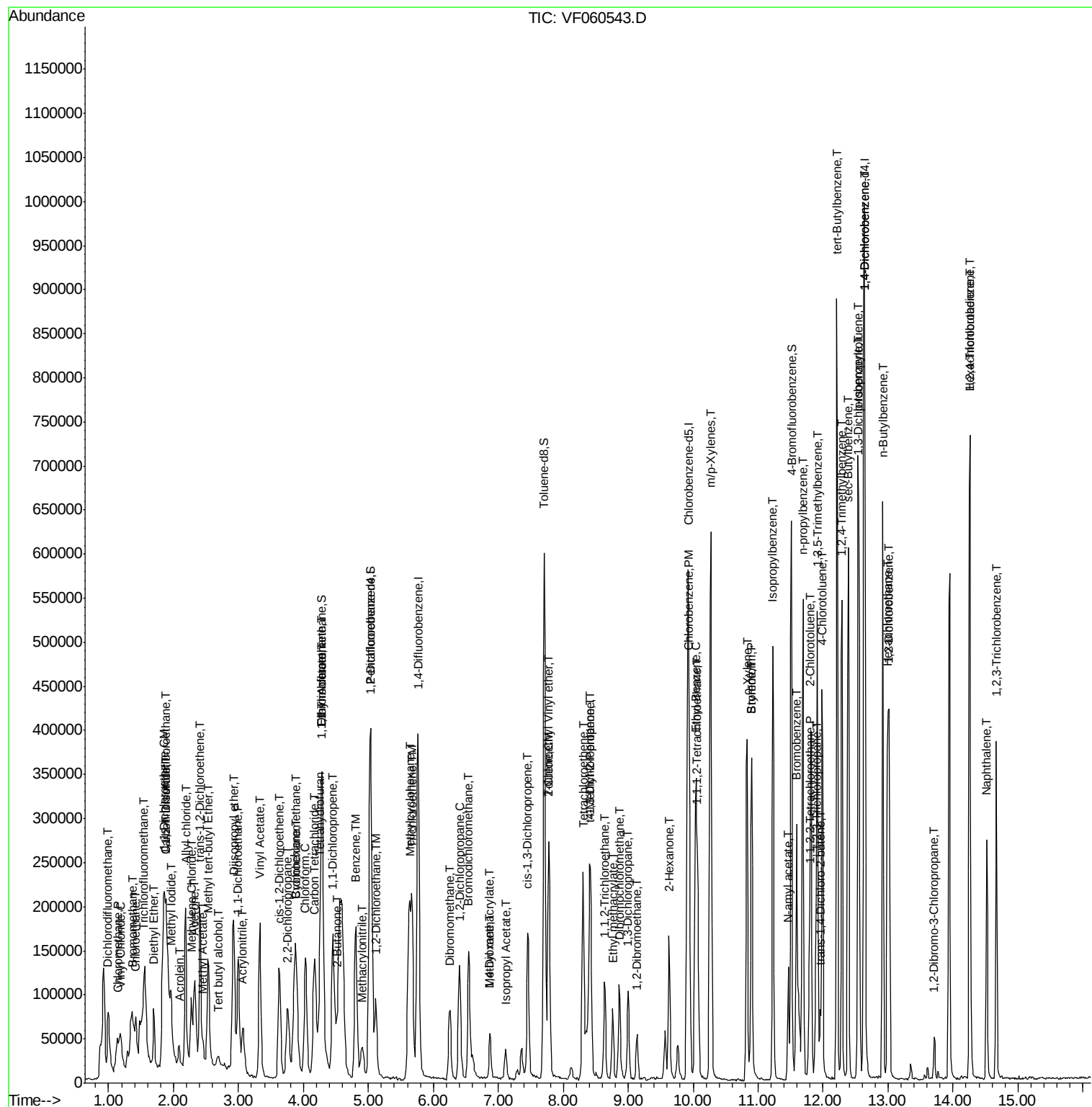
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	108053	23.753	ug/l	96
94) Hexachlorobutadiene	14.25	225	73342	22.771	ug/l	93
95) Naphthalene	14.52	128	175468	21.806	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	96889	22.376	ug/l	98

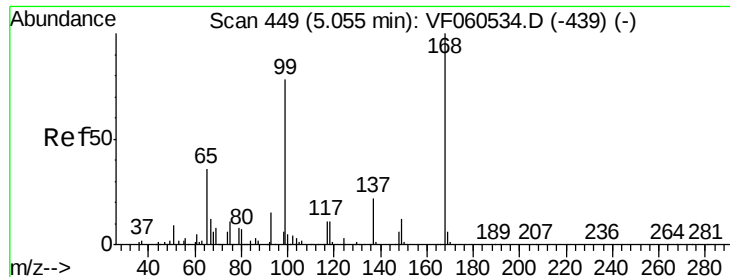
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 448

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

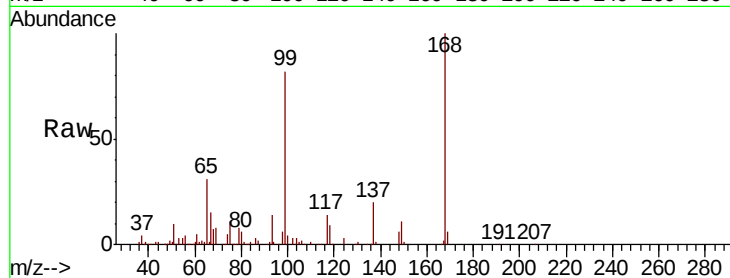
VF1030SBS01

Tot Ion:168 Resp: 240759

Ion Ratio Lower Upper

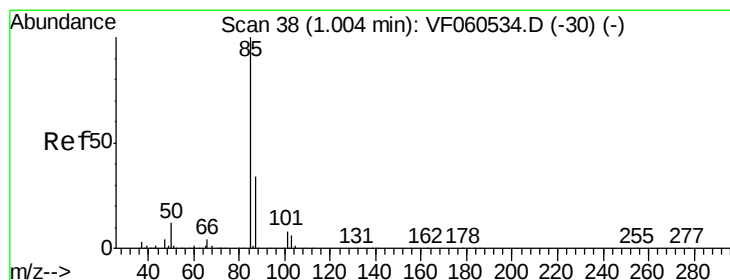
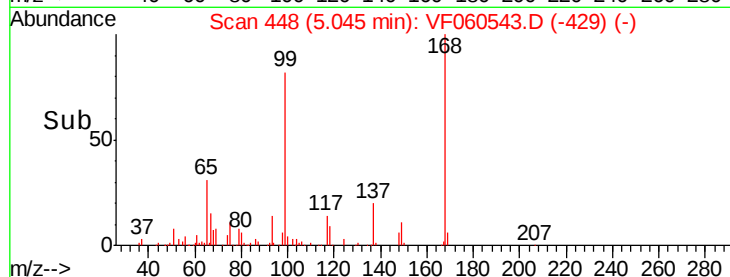
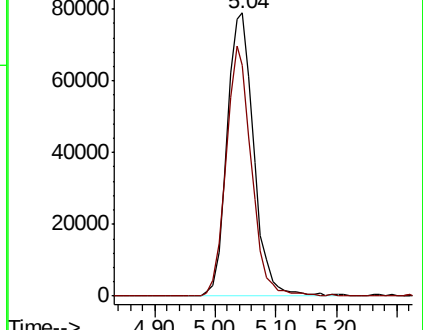
168 100

99 81.7 62.6 93.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 28.499 ug/l

RT: 0.99 min Scan# 37

Delta R.T. -0.01 min

Lab File: VF060543.D

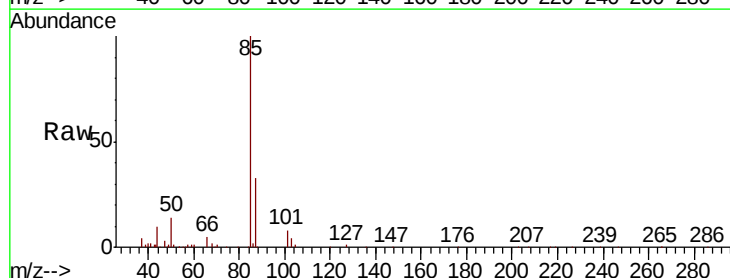
Acq: 30 Oct 2018 13:57

Tgt Ion: 85 Resp: 124540

Ion Ratio Lower Upper

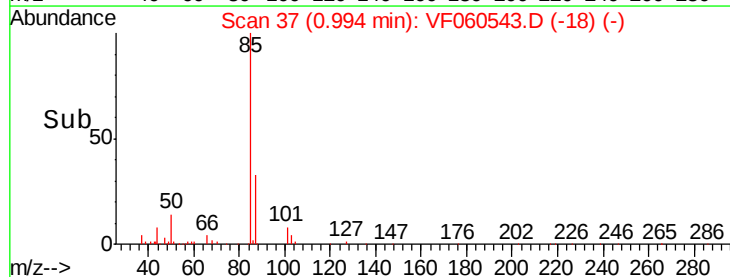
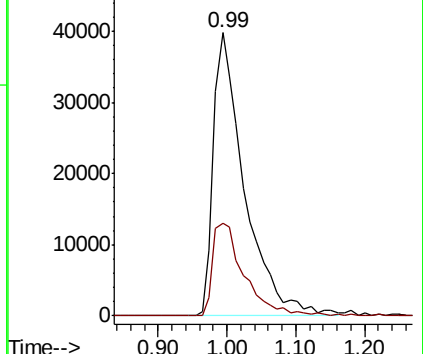
85 100

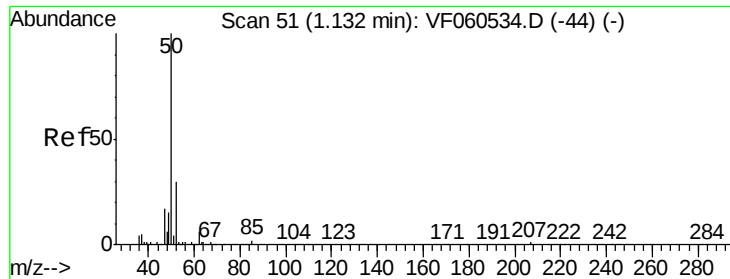
87 33.0 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 25.238 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

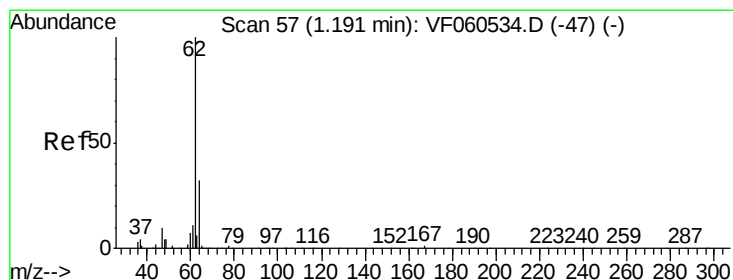
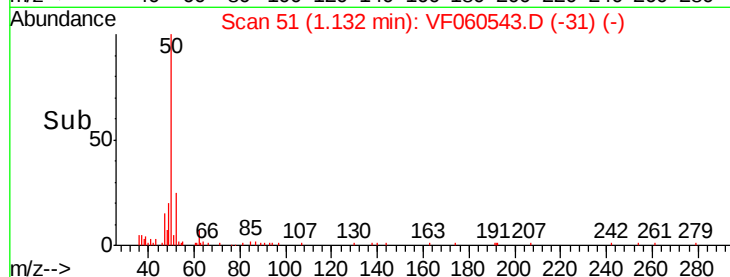
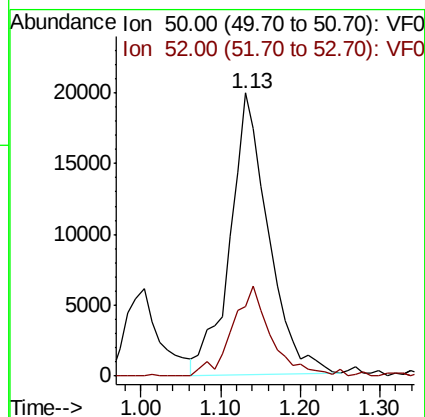
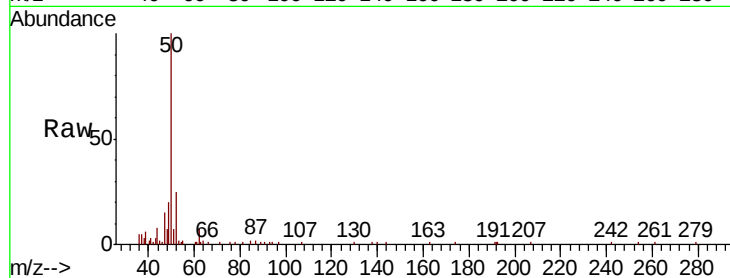
VF1030SBS01

Tot Ion: 50 Resp: 66379

Ion Ratio Lower Upper

50 100

52 24.6 22.8 34.2



#4

Vinyl Chloride

Concen: 24.717 ug/l

RT: 1.18 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF060543.D

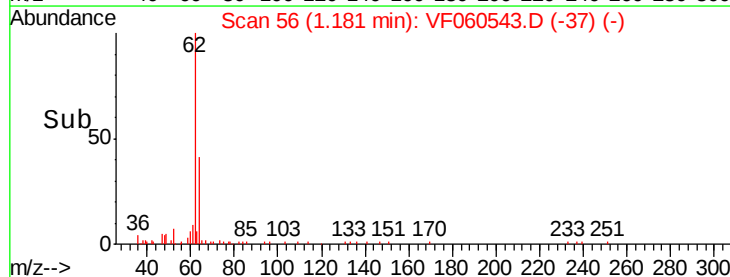
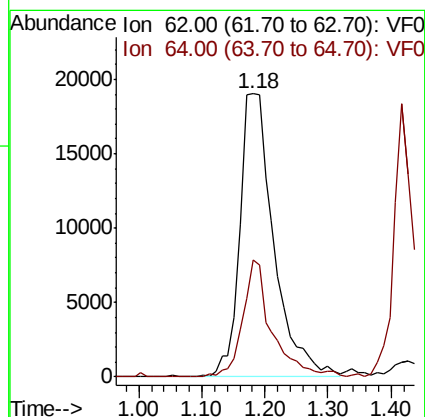
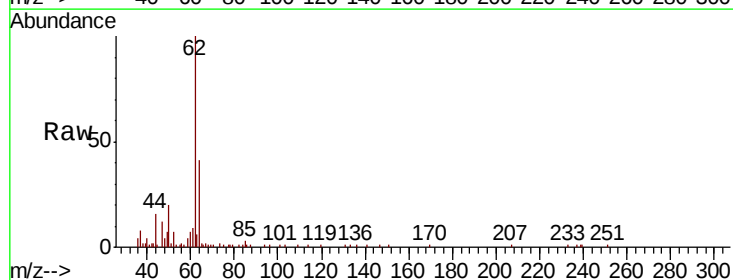
Acq: 30 Oct 2018 13:57

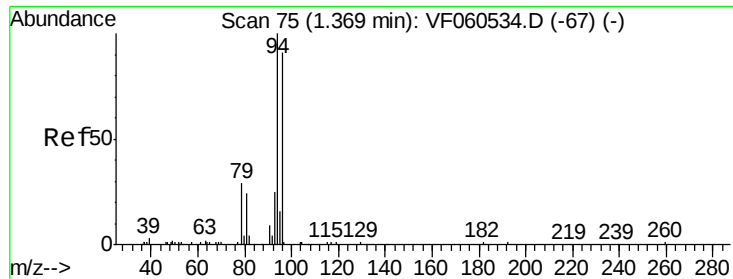
Tgt Ion: 62 Resp: 71348

Ion Ratio Lower Upper

62 100

64 41.2 25.3 37.9#





#5

Bromomethane

Concen: 27.869 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

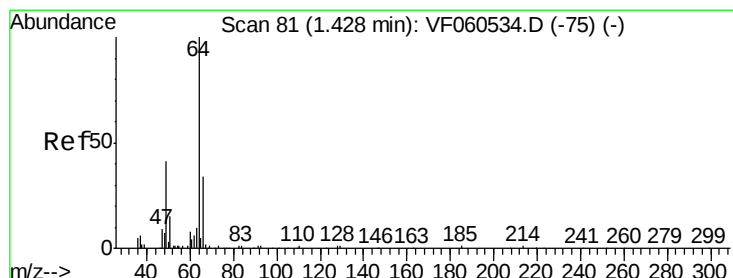
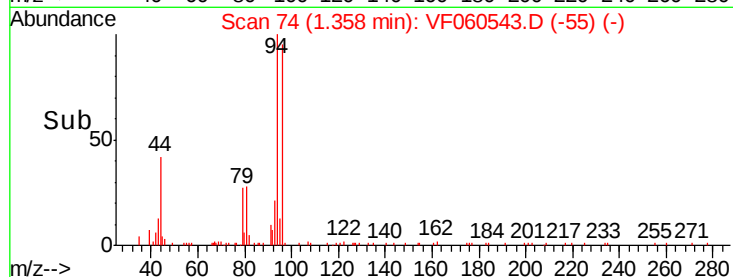
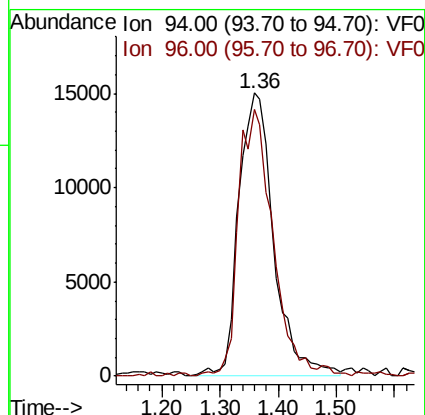
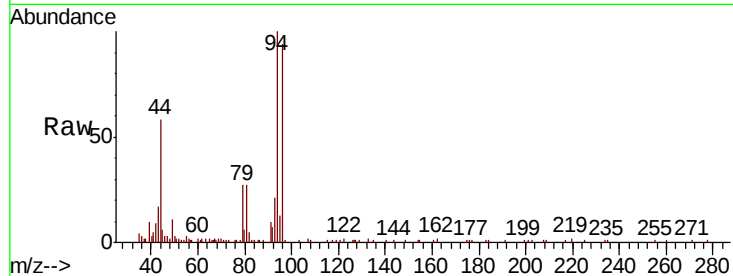
VF1030SBSD01

Tot Ion: 94 Resp: 63222

Ion Ratio Lower Upper

94 100

96 94.2 73.2 109.8



#6

Chloroethane

Concen: 28.249 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060543.D

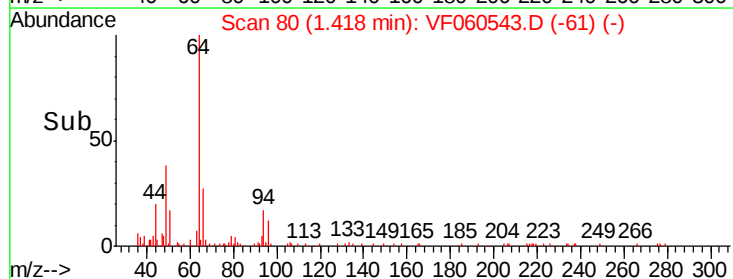
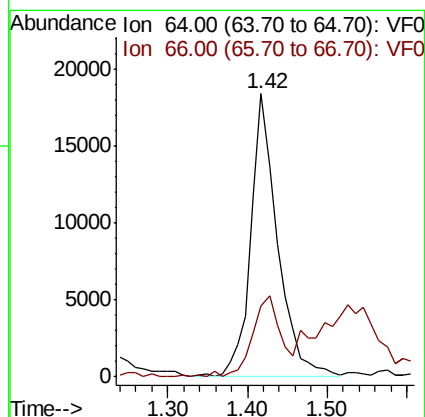
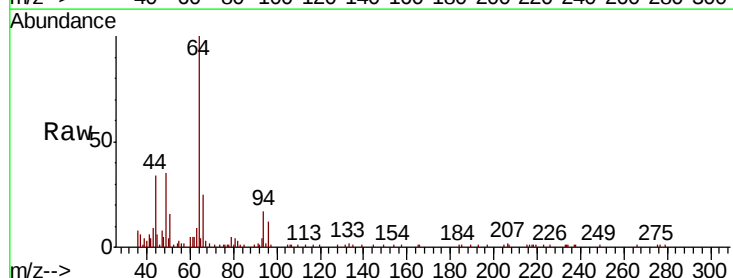
Acq: 30 Oct 2018 13:57

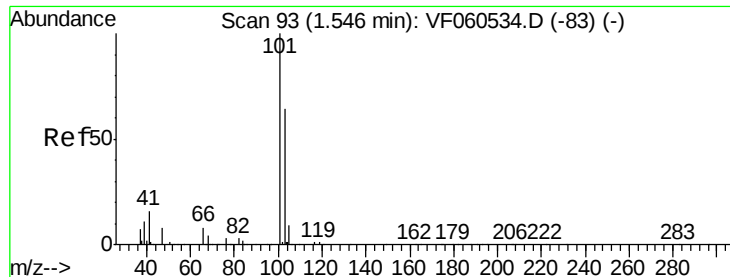
Tgt Ion: 64 Resp: 42457

Ion Ratio Lower Upper

64 100

66 25.0 27.1 40.7#



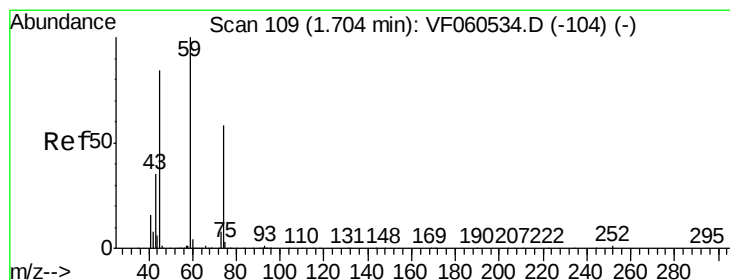
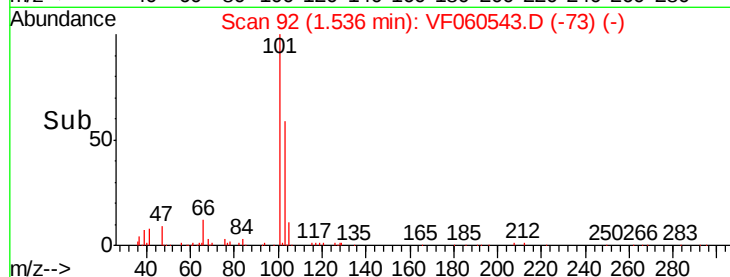
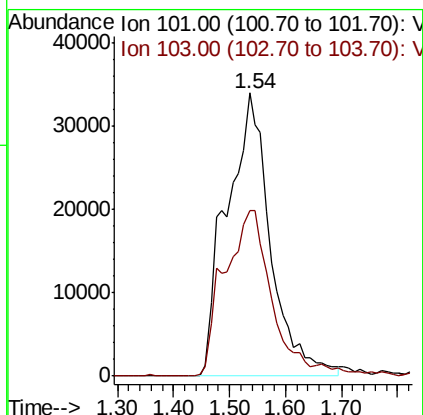
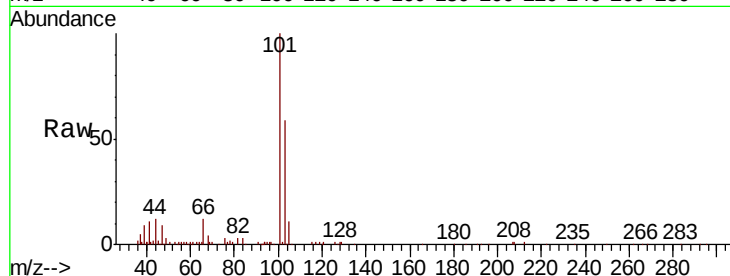


#7

Trichlorofluoromethane
 Concen: 26.463 ug/l
 RT: 1.54 min Scan# 92
 Delta R.T. -0.01 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

Instrument :
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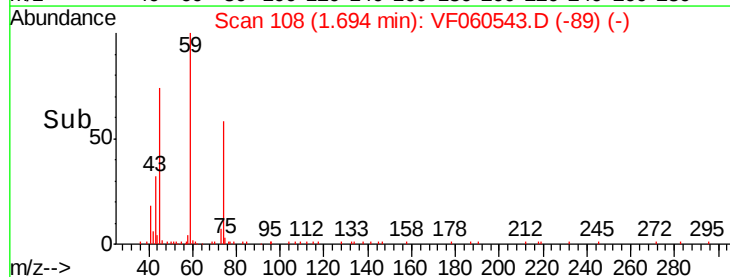
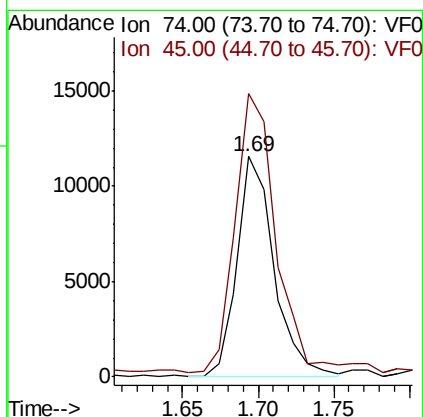
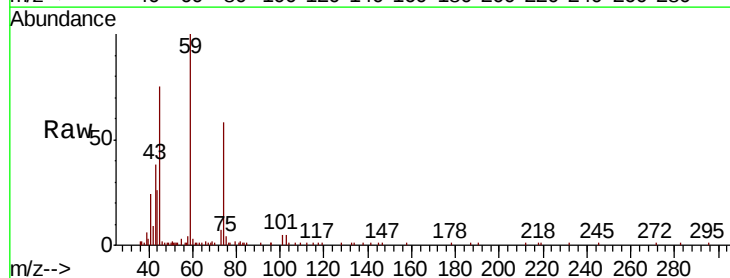
Tot Ion	Ratio	Lower	Upper
101	100		
103	58.6	51.6	77.4

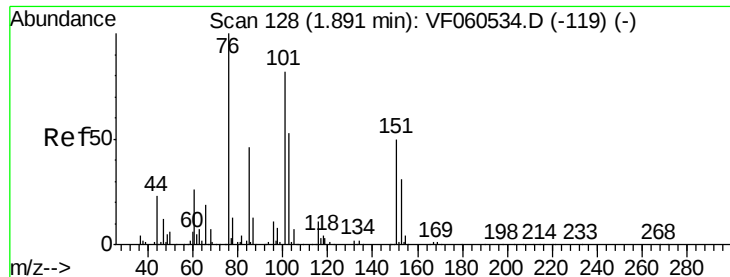


#8

Diethyl Ether
 Concen: 22.625 ug/l
 RT: 1.69 min Scan# 108
 Delta R.T. -0.01 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	128.5	72.9	218.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.669 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.00 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

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MSVOA_F

ClientSampleId :

VF1030SBS01

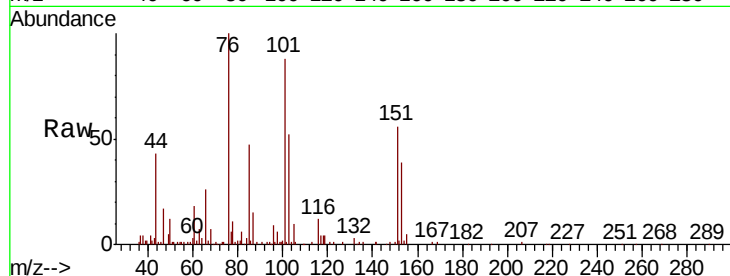
Tot Ion:101 Resp: 80504

Ion Ratio Lower Upper

101 100

85 53.0 44.6 67.0

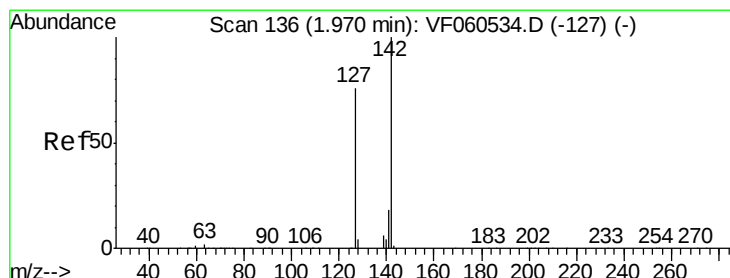
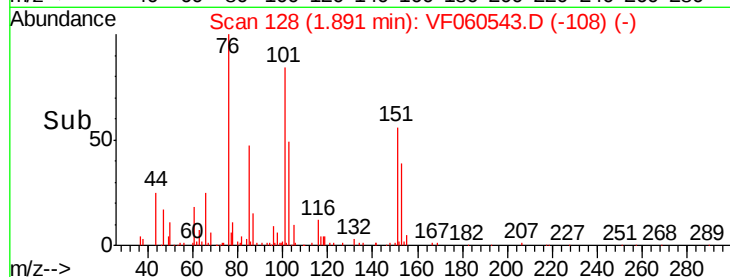
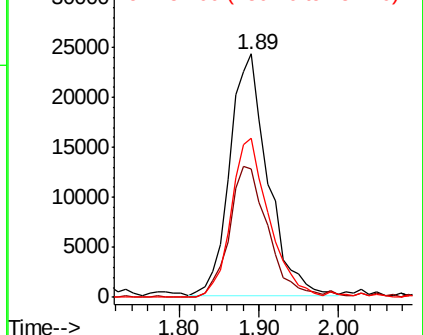
151 65.4 48.4 72.6



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: 25.766 ug/l

RT: 1.96 min Scan# 135

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

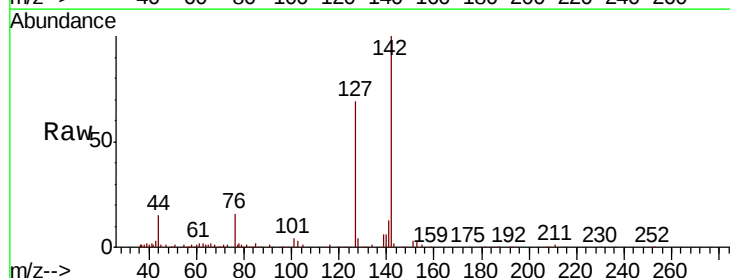
Tgt Ion:142 Resp: 135543

Ion Ratio Lower Upper

142 100

127 69.0 61.2 91.8

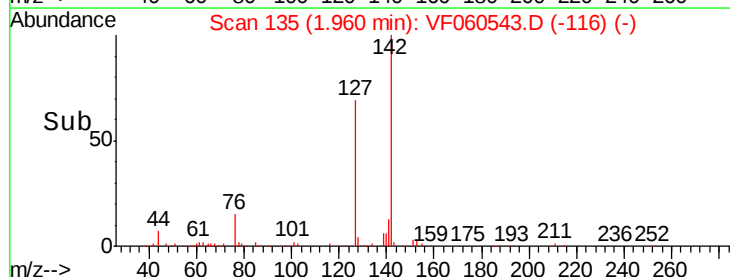
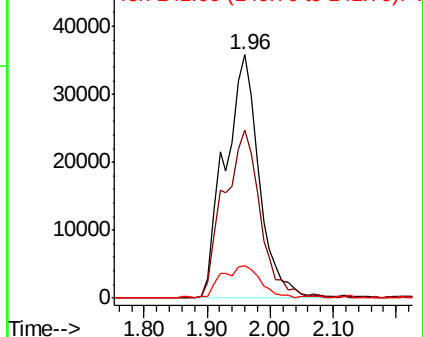
141 13.3 14.0 21.0#

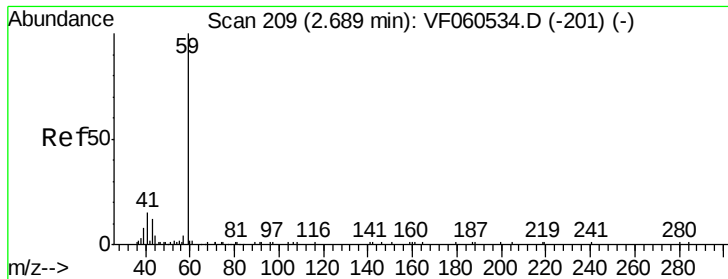


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



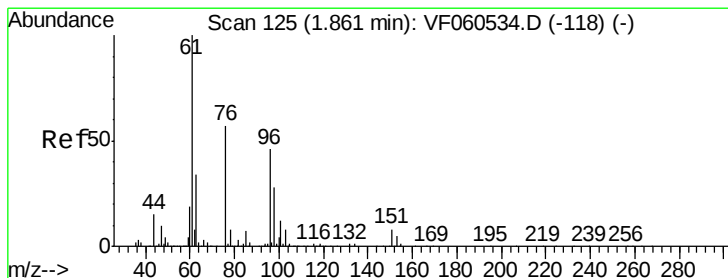
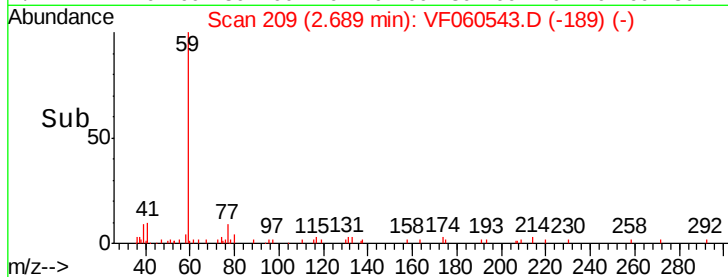
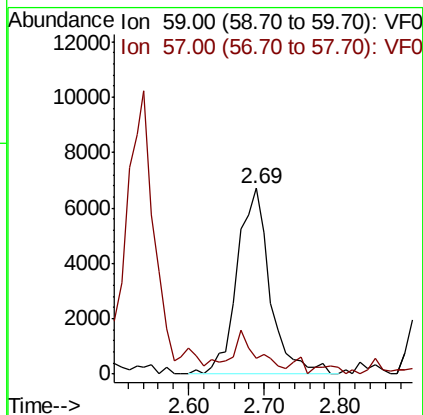
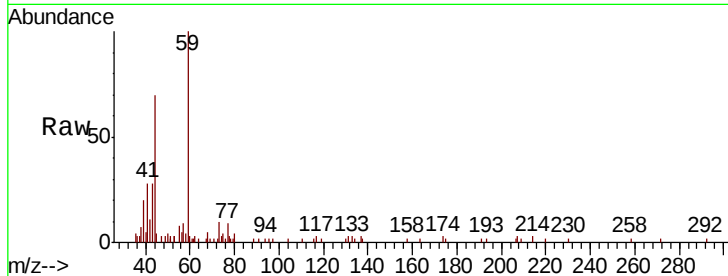


#11

Tert butyl alcohol
Concen: 137.572 ug/l
RT: 2.69 min Scan# 209
Delta R.T. 0.00 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

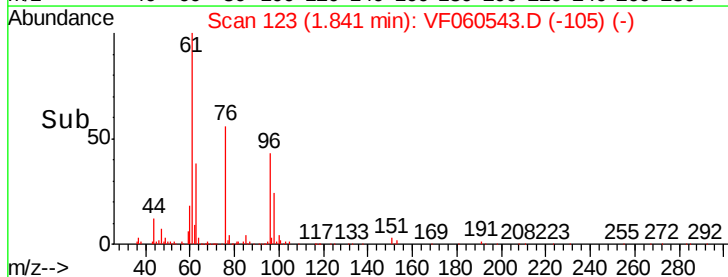
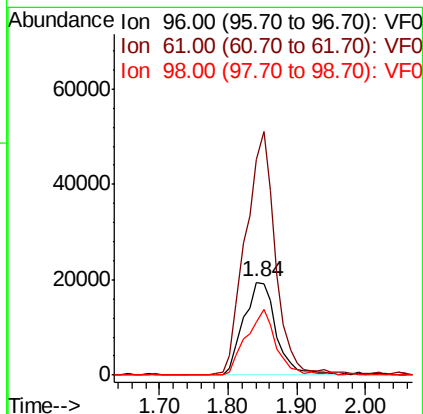
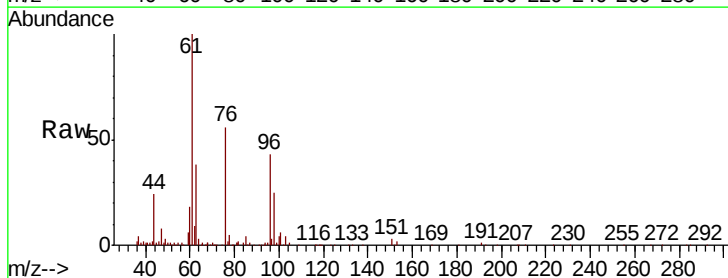
Tot Ion: 59 Resp: 20207
Ion Ratio Lower Upper
59 100
57 8.7 8.9 13.3#

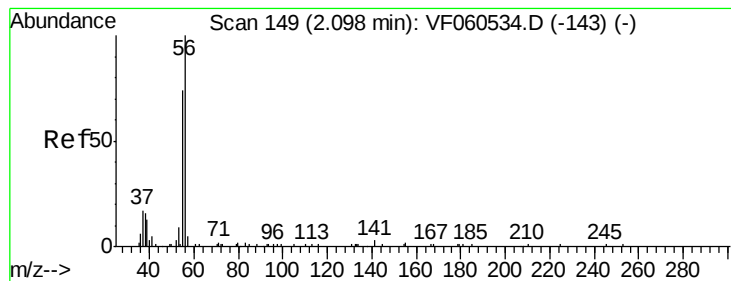


#12

1,1-Dichloroethene
Concen: 23.701 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.02 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Tgt Ion: 96 Resp: 64128
Ion Ratio Lower Upper
96 100
61 231.2 175.4 263.2
98 57.1 48.9 73.3





#13

Acrolein

Concen: 139.849 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

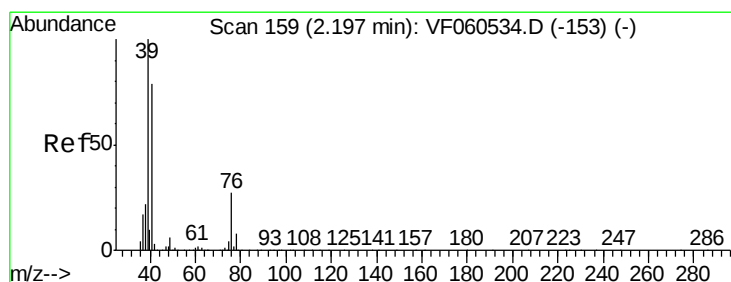
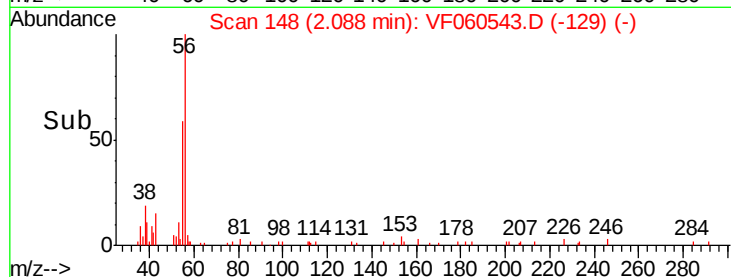
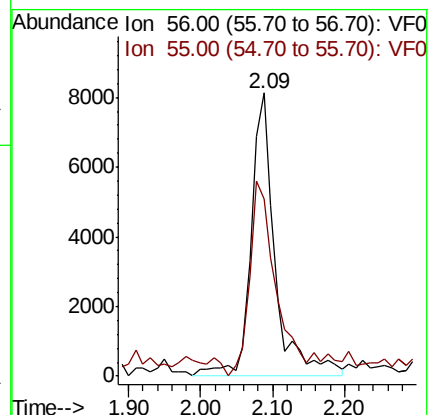
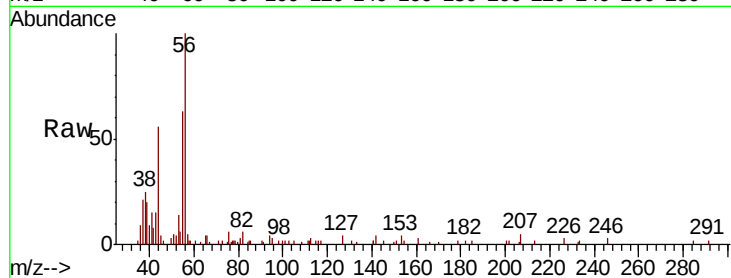
VF1030SBSD01

Tot Ion: 56 Resp: 19035

Ion Ratio Lower Upper

56 100

55 62.7 60.4 90.6



#14

Allyl chloride

Concen: 24.622 ug/l

RT: 2.19 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

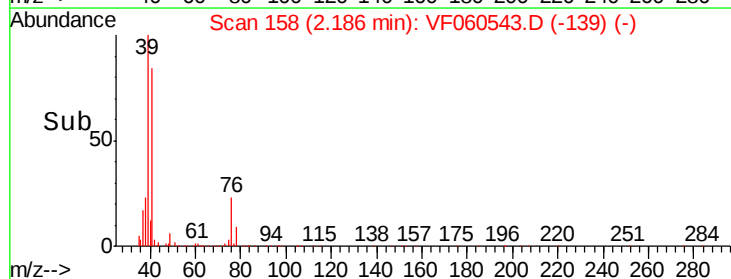
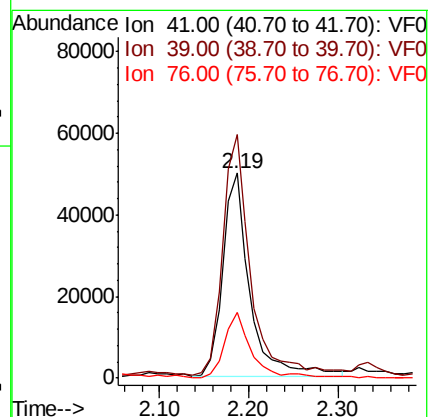
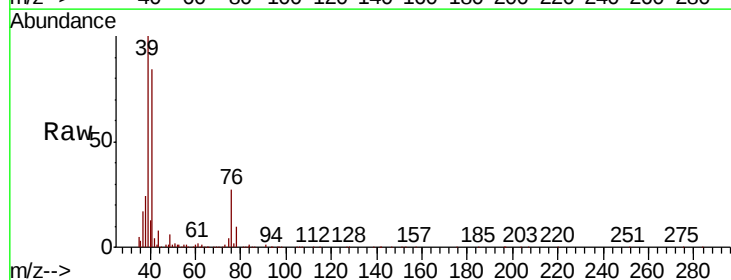
Tgt Ion: 41 Resp: 105928

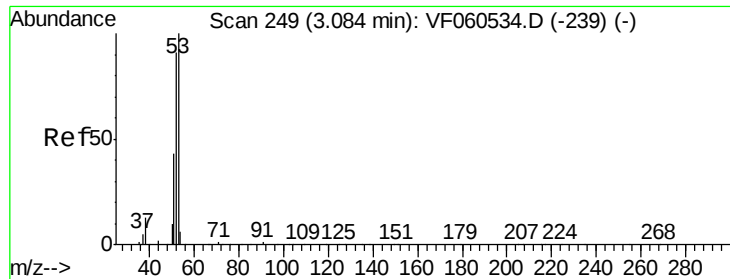
Ion Ratio Lower Upper

41 100

39 119.0 100.6 151.0

76 32.1 27.6 41.4





#15

Acrylonitrile

Concen: 105.979 ug/l

RT: 3.07 min Scan# 248

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

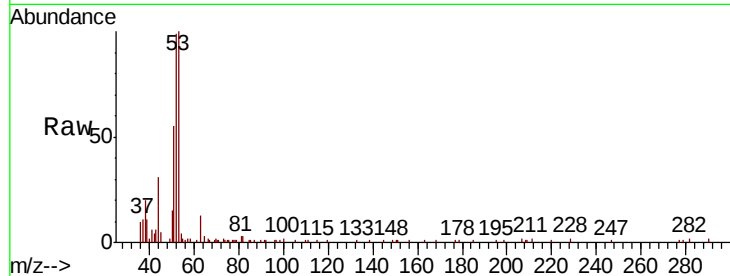
Tot Ion: 53 Resp: 39354

Ion Ratio Lower Upper

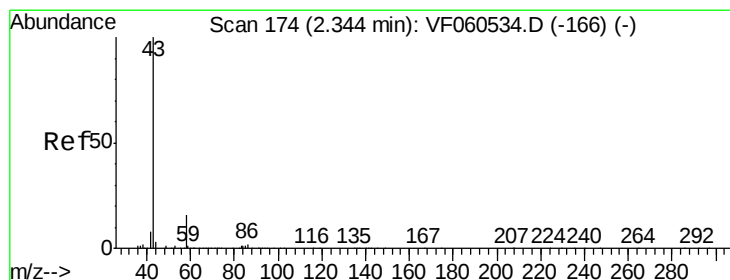
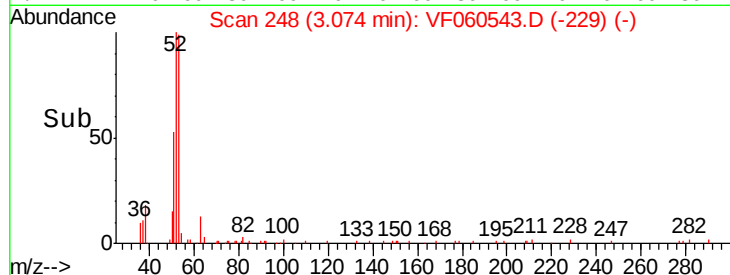
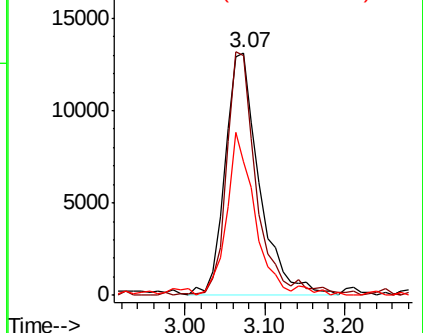
53 100

52 98.8 73.2 109.8

51 55.2 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: 151.361 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.01 min

Lab File: VF060543.D

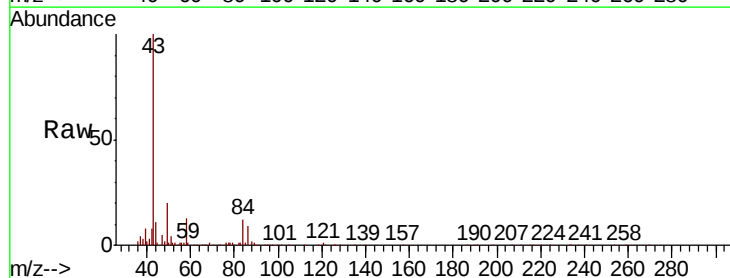
Acq: 30 Oct 2018 13:57

Tgt Ion: 43 Resp: 110818

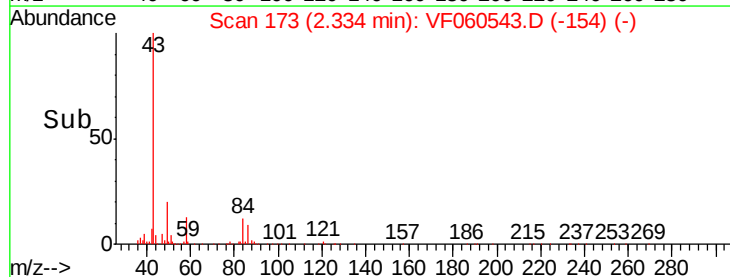
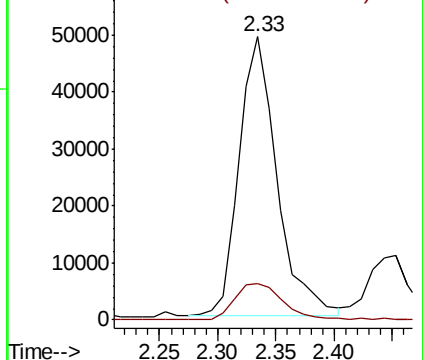
Ion Ratio Lower Upper

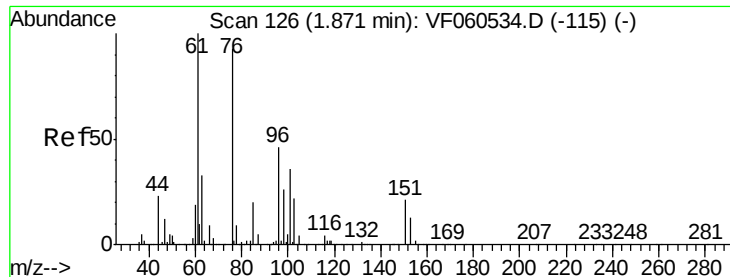
43 100

58 12.8 12.8 19.2#



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

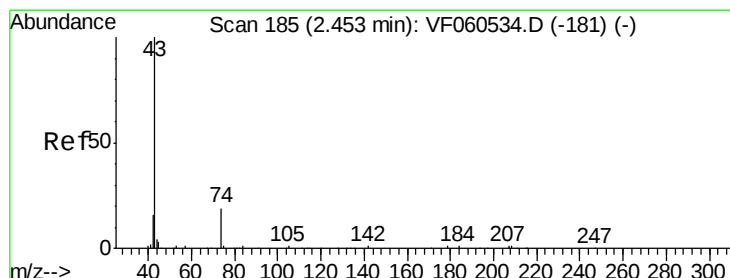
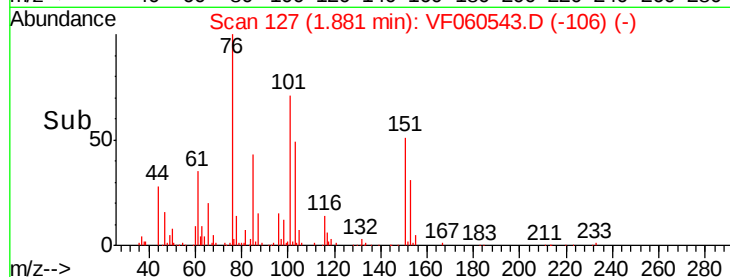
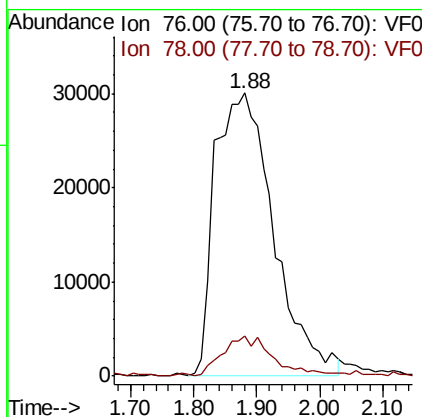
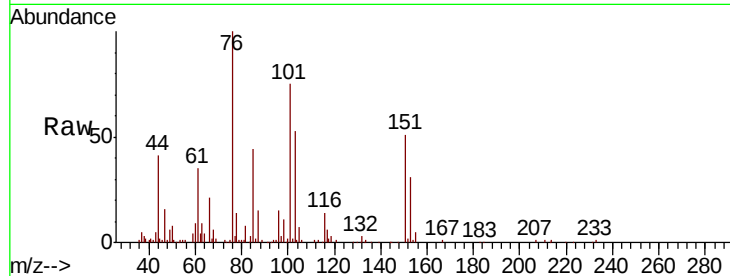




#17
Carbon Disulfide
Concen: 25.691 ug/l
RT: 1.88 min Scan# 127
Delta R.T. 0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

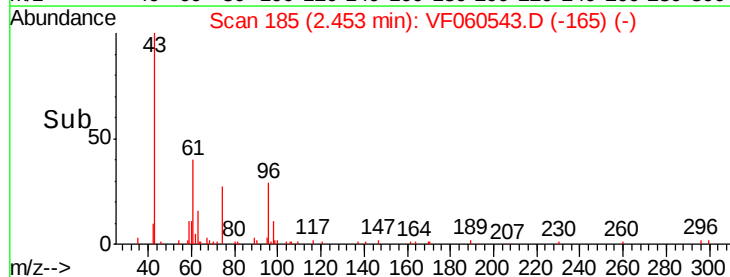
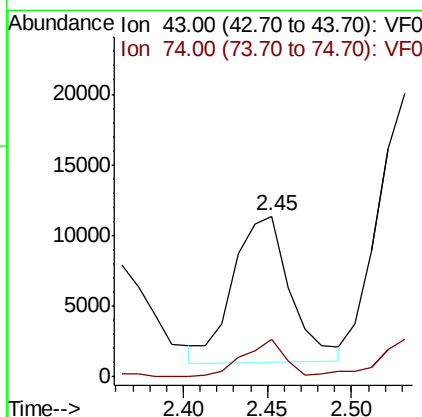
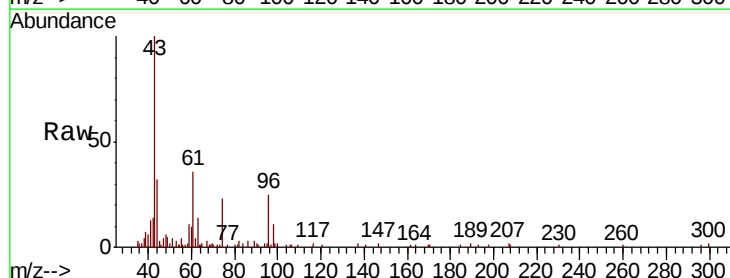
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

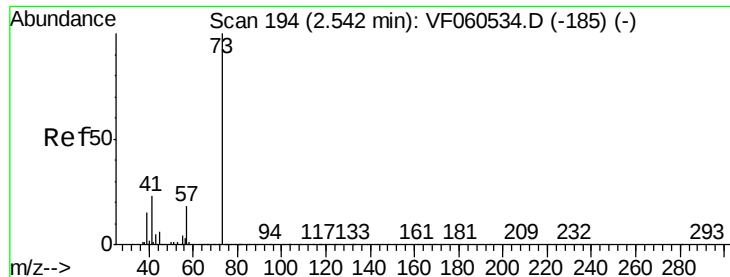
Tot Ion: 76 Resp: 195357
Ion Ratio Lower Upper
76 100
78 14.3 8.0 12.0#



#18
Methyl Acetate
Concen: 23.158 ug/l
RT: 2.45 min Scan# 185
Delta R.T. 0.00 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Tgt Ion: 43 Resp: 24471
Ion Ratio Lower Upper
43 100
74 23.3 13.5 20.3#



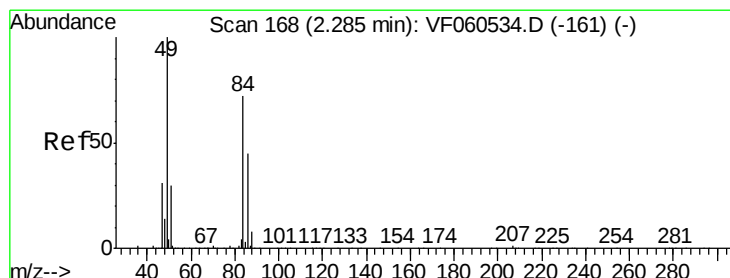
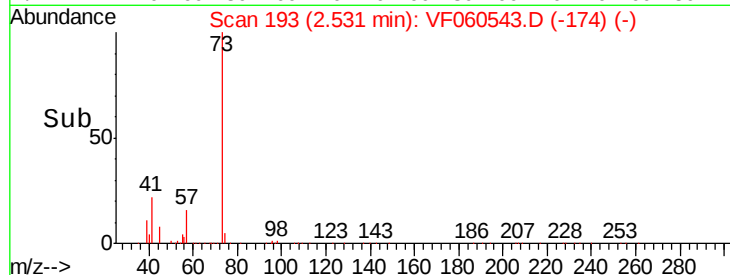
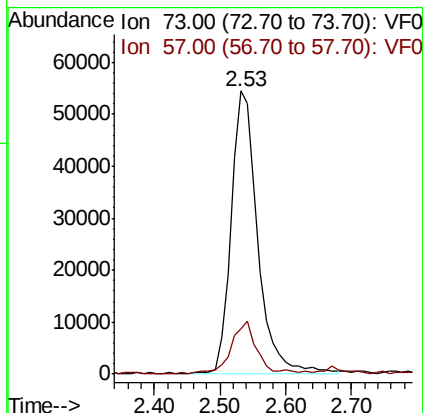
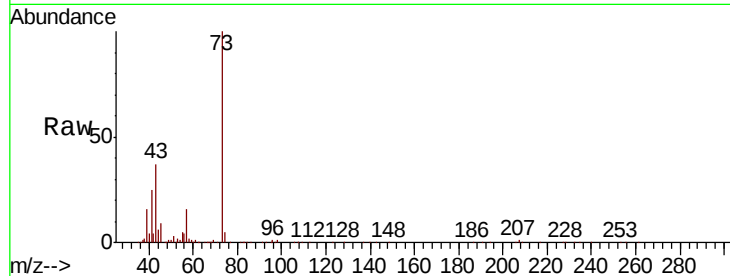


#19

Methyl tert-butyl Ether
 Concen: 25.333 ug/l
 RT: 2.53 min Scan# 193
 Delta R.T. -0.01 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBSD01

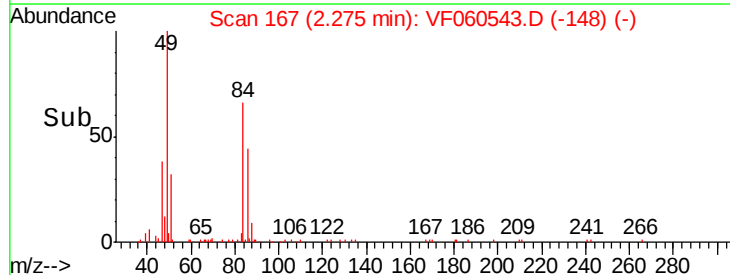
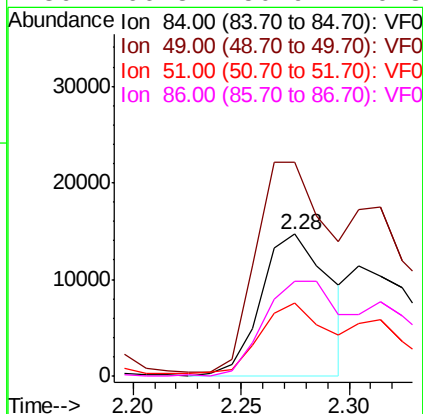
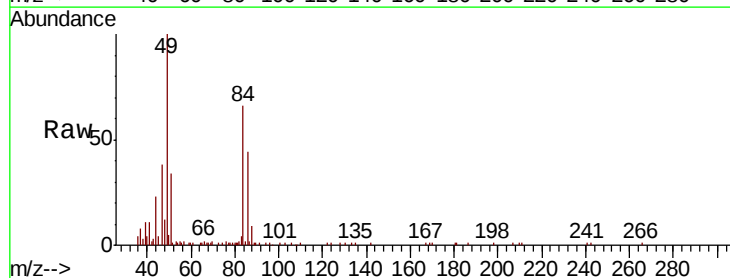
Tot Ion: 73 Resp: 153574
 Ion Ratio Lower Upper
 73 100
 57 15.9 14.7 22.1

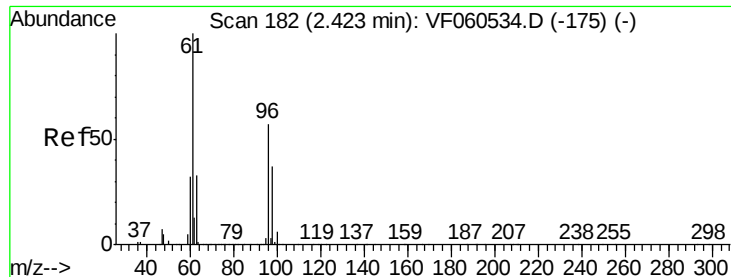


#20

Methylene Chloride
 Concen: 12.581 ug/l
 RT: 2.28 min Scan# 167
 Delta R.T. -0.01 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

Tgt Ion: 84 Resp: 32620
 Ion Ratio Lower Upper
 84 100
 49 150.7 115.4 173.0
 51 53.1 35.4 53.2
 86 66.8 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 24.568 ug/l

RT: 2.40 min Scan# 180

Delta R.T. -0.02 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

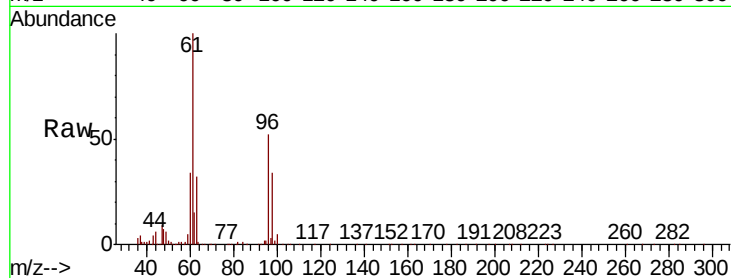
Tot Ion: 96 Resp: 67987

Ion Ratio Lower Upper

96 100

61 191.3 139.8 209.6

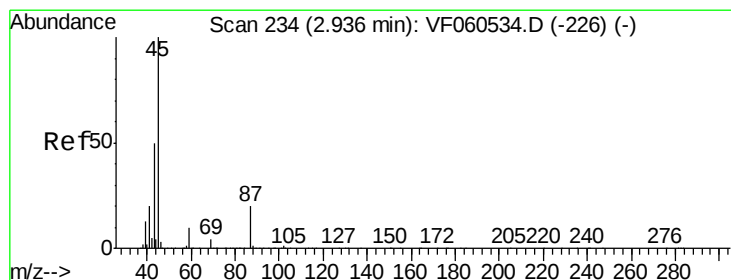
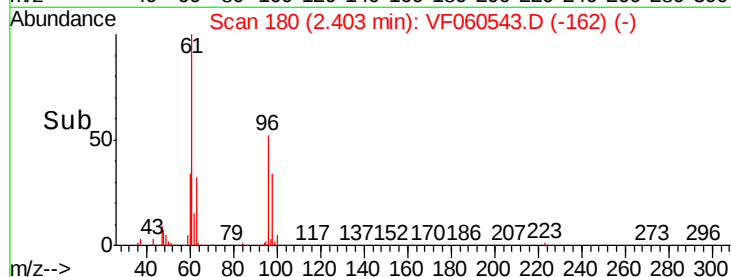
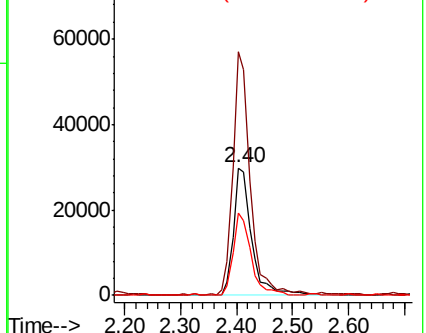
98 64.6 52.2 78.4



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 24.819 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Tgt Ion: 45 Resp: 193954

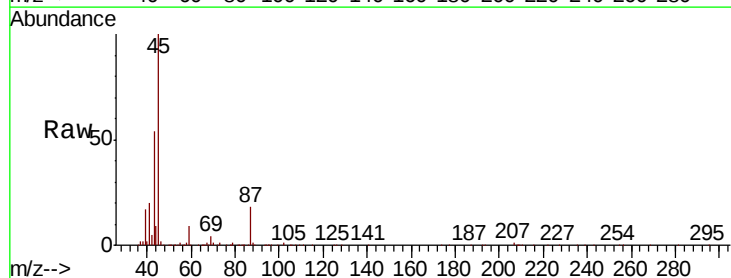
Ion Ratio Lower Upper

45 100

43 53.6 40.6 60.8

87 18.1 15.9 23.9

59 9.5 8.0 12.0

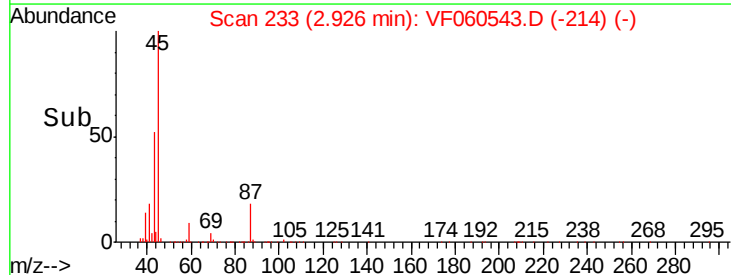
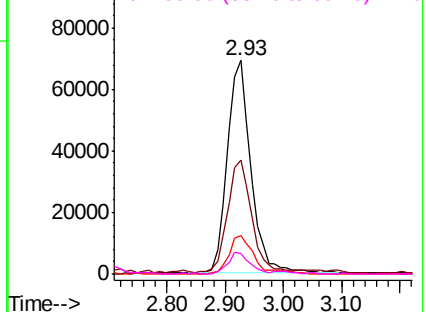


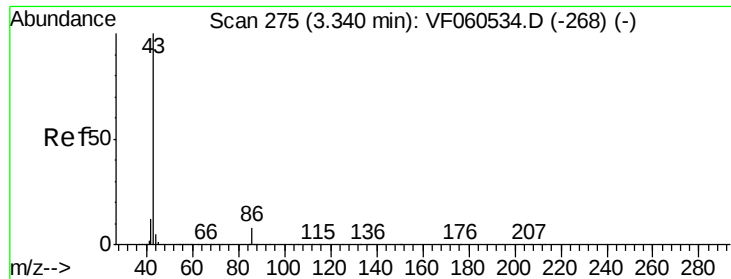
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 119.352 ug/l

RT: 3.33 min Scan# 274

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

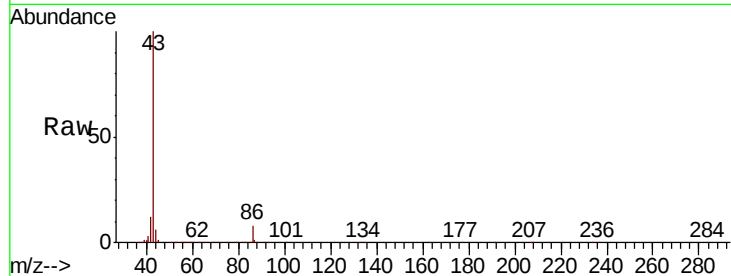
VF1030SBSD01

Tot Ion: 43 Resp: 345972

Ion Ratio Lower Upper

43 100

86 8.2 6.2 9.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.33

150000

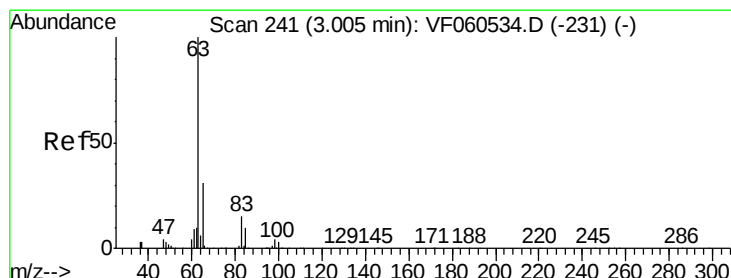
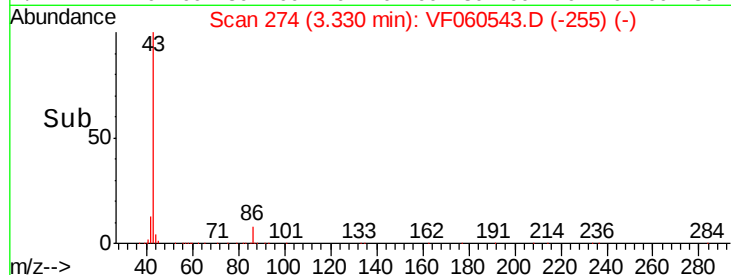
100000

50000

0

Time-->

3.20 3.30 3.40 3.50



#24

1,1-Dichloroethane

Concen: 25.036 ug/l

RT: 2.99 min Scan# 240

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

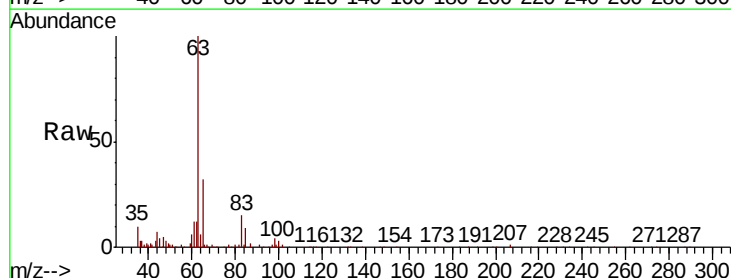
Tgt Ion: 63 Resp: 141175

Ion Ratio Lower Upper

63 100

98 4.1 2.0 6.0

100 2.9 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

2.99

60000

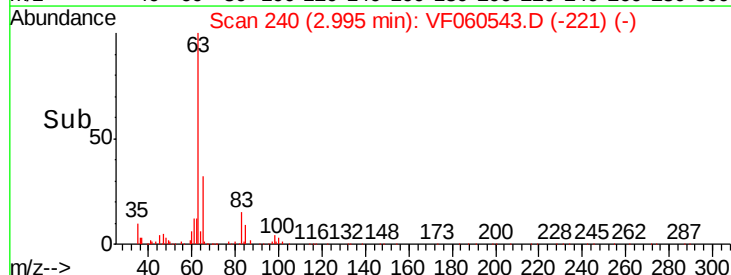
40000

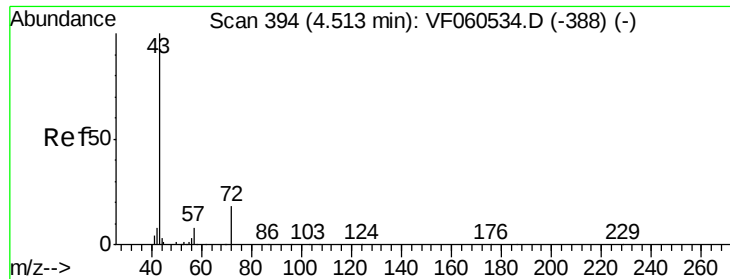
20000

0

Time-->

2.80 2.90 3.00 3.10 3.20





#25

2-Butanone

Concen: 120.216 ug/l

RT: 4.51 min Scan# 394

Delta R.T. -0.00 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

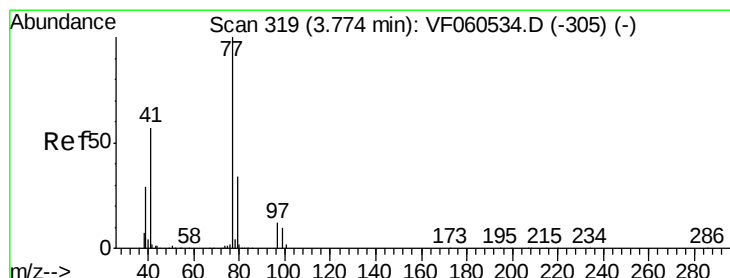
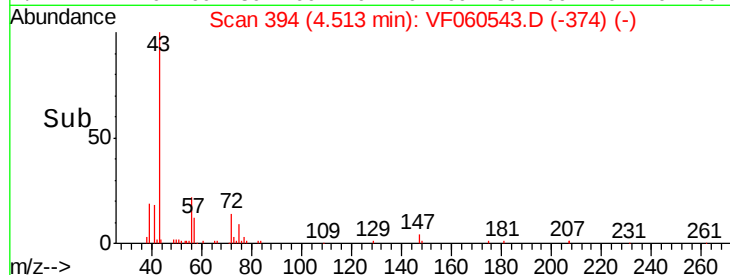
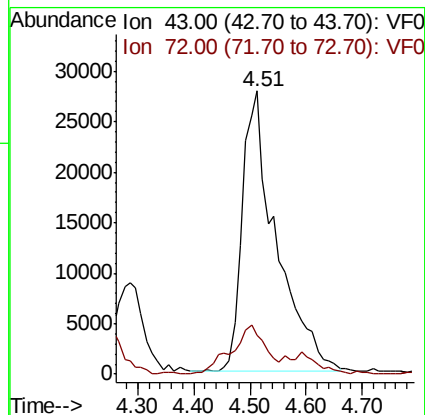
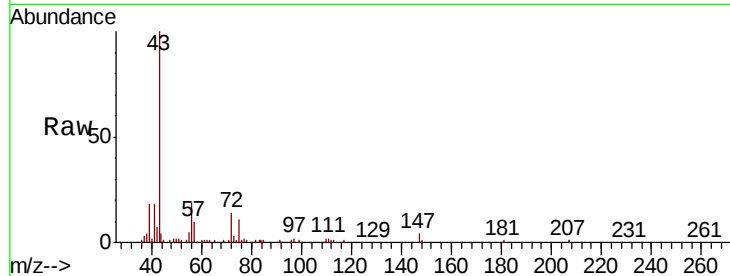
VF1030SBSD01

Tot Ion: 43 Resp: 116649

Ion Ratio Lower Upper

43 100

72 13.9 17.4 26.0#



#26

2,2-Dichloropropane

Concen: 23.694 ug/l

RT: 3.76 min Scan# 318

Delta R.T. -0.01 min

Lab File: VF060543.D

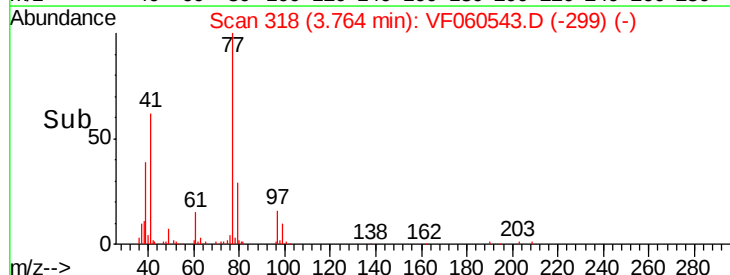
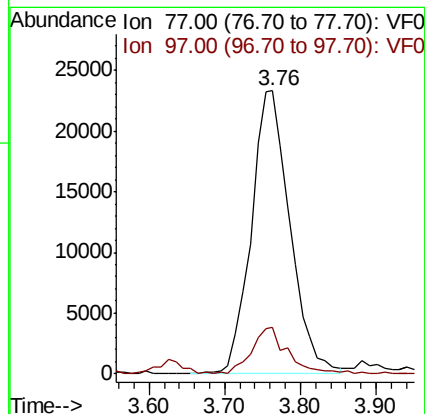
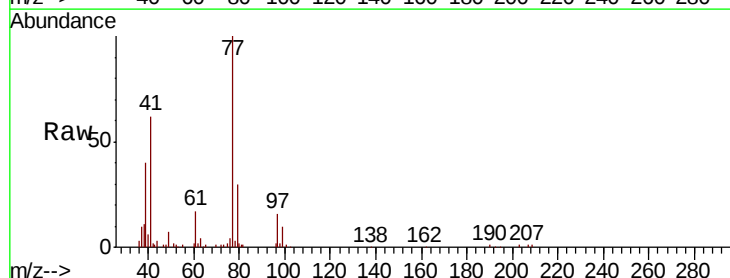
Acq: 30 Oct 2018 13:57

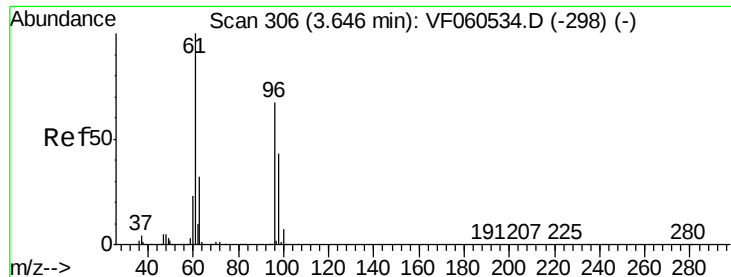
Tgt Ion: 77 Resp: 83032

Ion Ratio Lower Upper

77 100

97 16.3 8.5 25.5



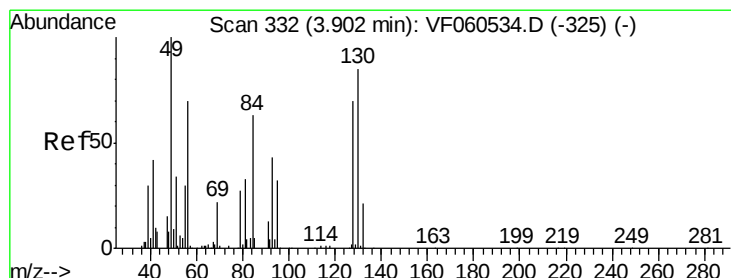
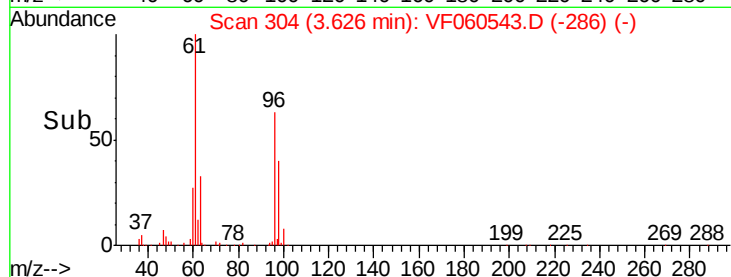
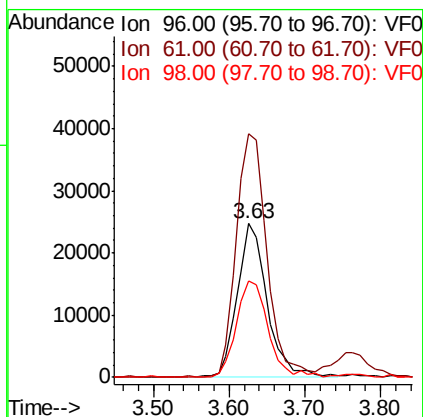
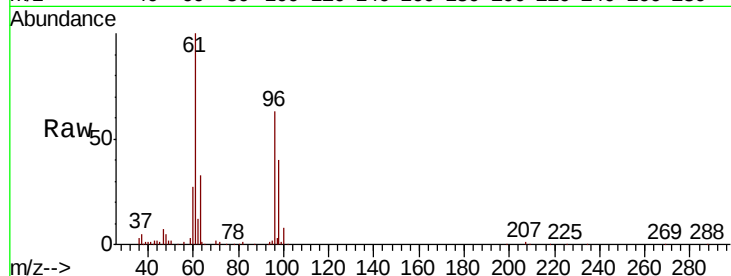


#27

cis-1,2-Dichloroethene
Concen: 20.203 ug/l
RT: 3.63 min Scan# 304
Delta R.T. -0.02 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

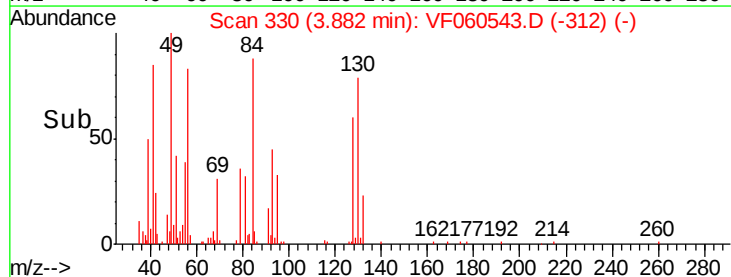
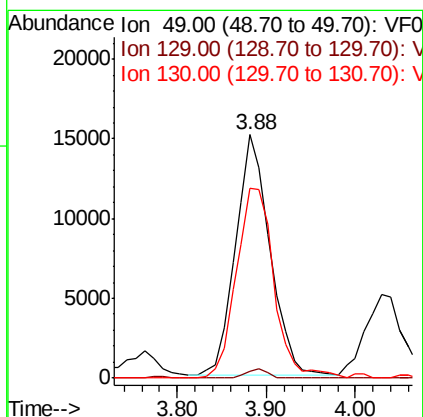
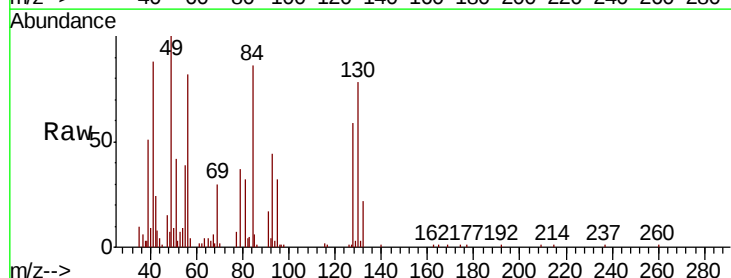
Tot Ion: 96 Resp: 67413
Ion Ratio Lower Upper
96 100
61 158.5 0.0 300.8
98 62.9 0.0 128.4

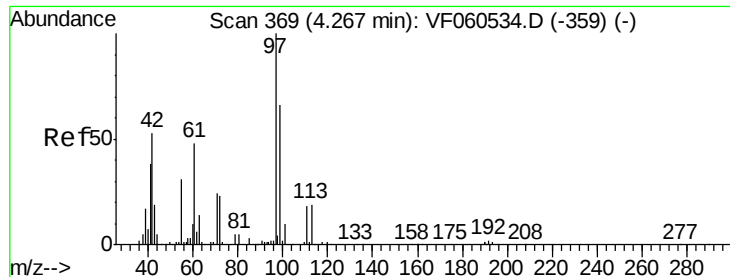


#28

Bromochloromethane
Concen: 20.028 ug/l
RT: 3.88 min Scan# 330
Delta R.T. -0.02 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Tgt Ion: 49 Resp: 40681
Ion Ratio Lower Upper
49 100
129 2.5 0.0 4.8
130 77.8 67.5 101.3





#29

Tetrahydrofuran

Concen: 110.463 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.02 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

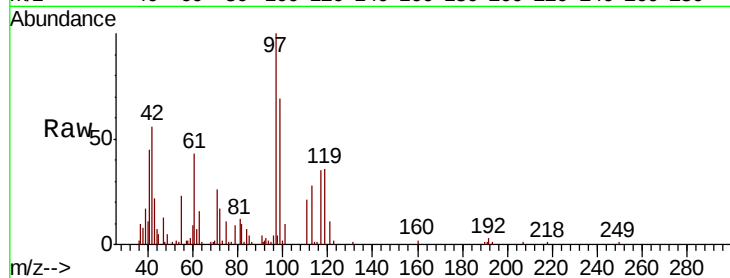
Tot Ion: 42 Resp: 36670

Ion Ratio Lower Upper

42 100

72 35.1 32.5 48.7

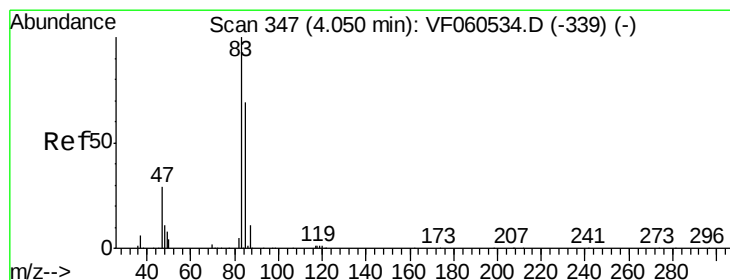
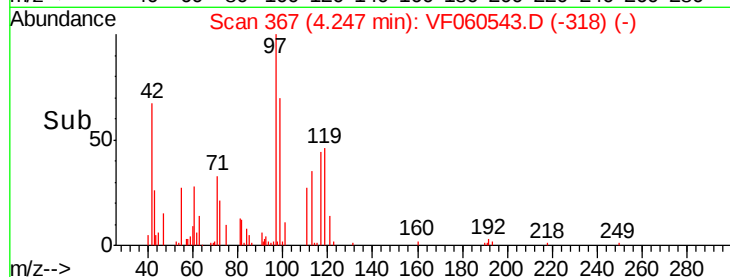
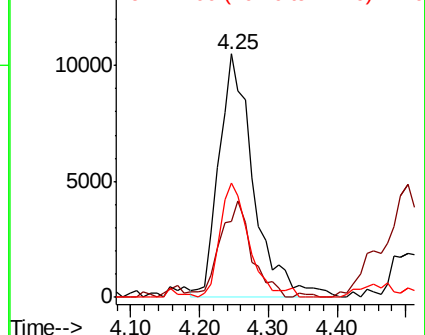
71 39.4 34.5 51.7



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: 23.059 ug/l

RT: 4.03 min Scan# 345

Delta R.T. -0.02 min

Lab File: VF060543.D

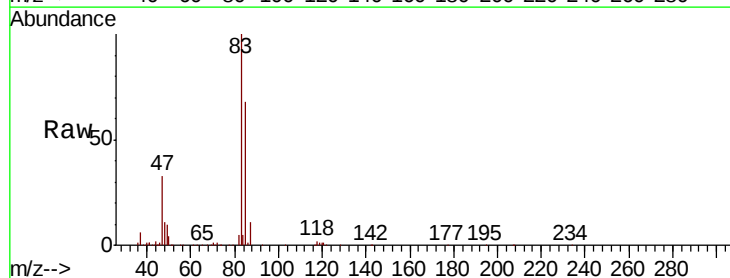
Acq: 30 Oct 2018 13:57

Tgt Ion: 83 Resp: 164216

Ion Ratio Lower Upper

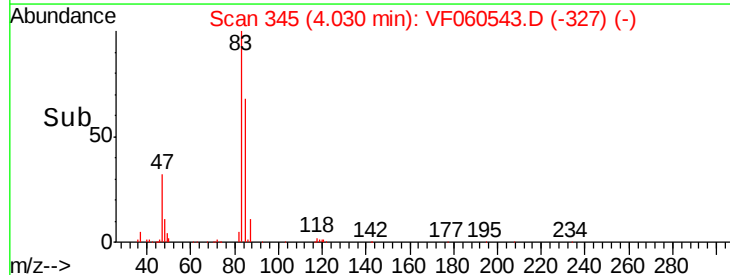
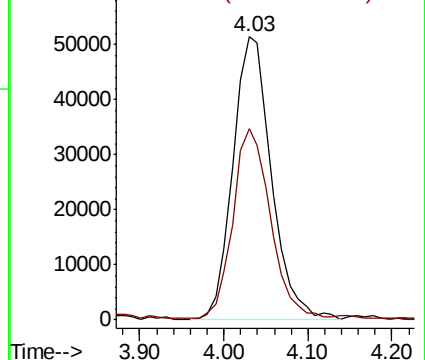
83 100

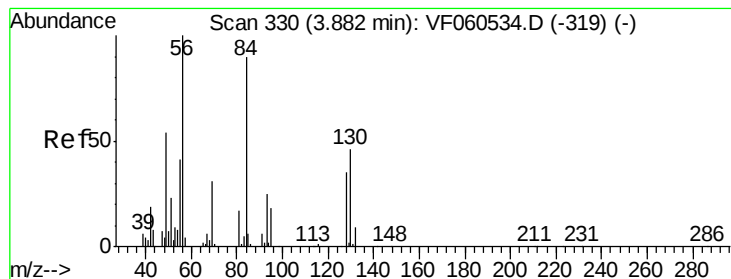
85 67.7 55.0 82.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 20.967 ug/l

RT: 3.87 min Scan# 329

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

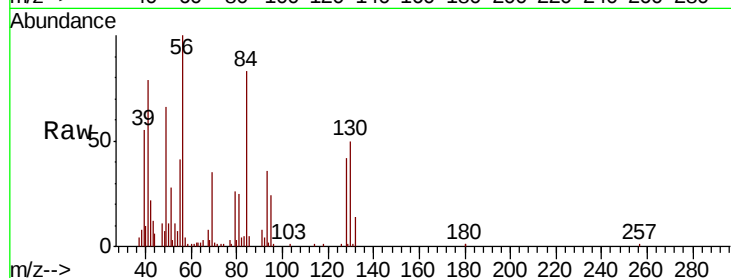
Tot Ion: 56 Resp: 84420

Ion Ratio Lower Upper

56 100

69 34.9 25.0 37.6

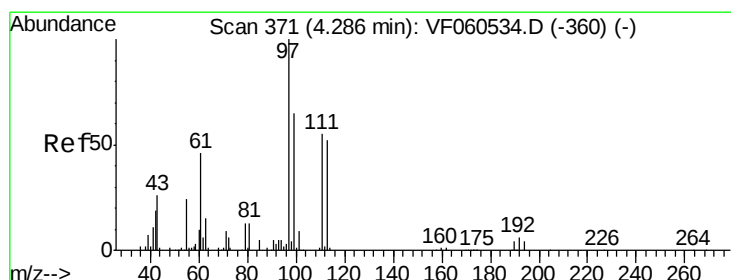
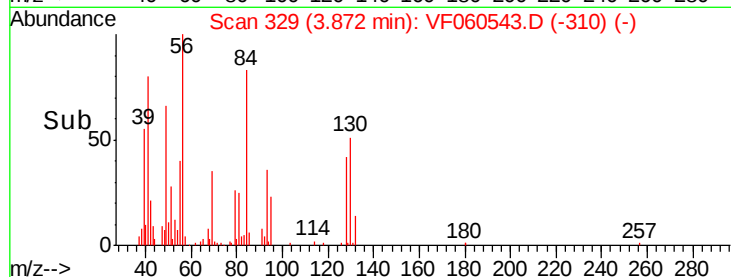
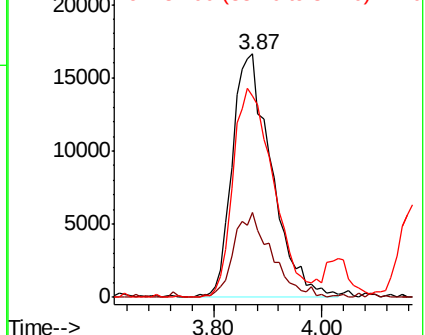
84 82.6 72.1 108.1



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 24.949 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.02 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

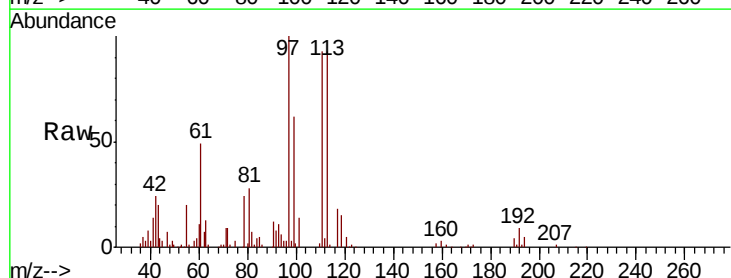
Tgt Ion: 97 Resp: 146895

Ion Ratio Lower Upper

97 100

99 62.3 51.7 77.5

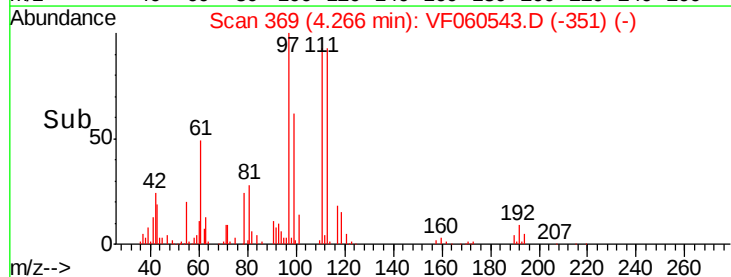
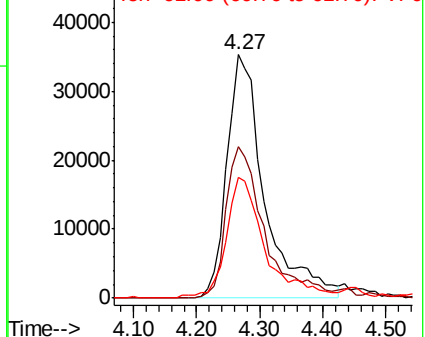
61 49.5 36.8 55.2

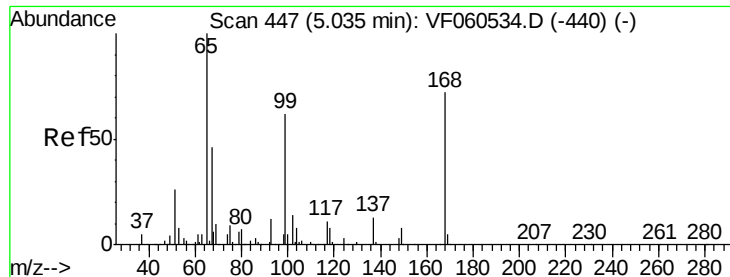


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 55.992 ug/l

RT: 5.02 min Scan# 445

Delta R.T. -0.02 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

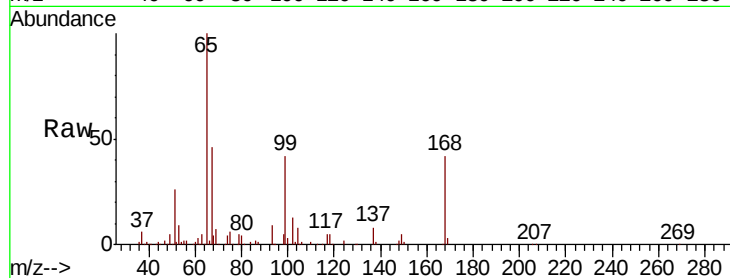
VF1030SBSD01

Tot Ion: 65 Resp: 207928

Ion Ratio Lower Upper

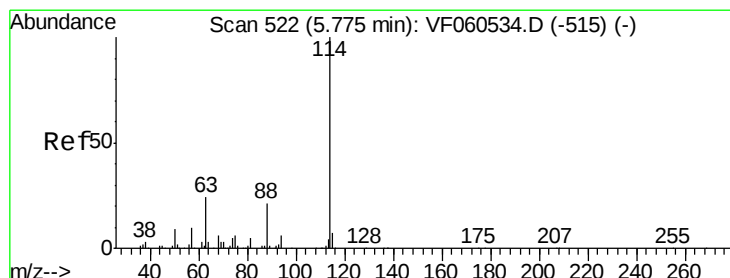
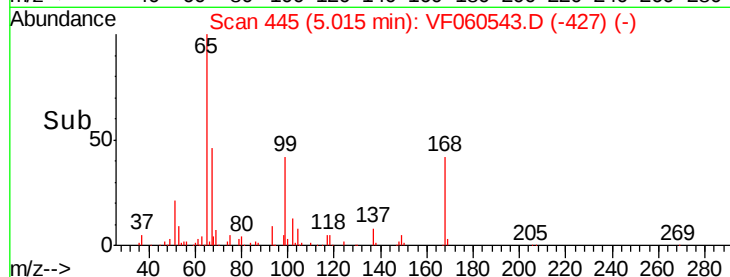
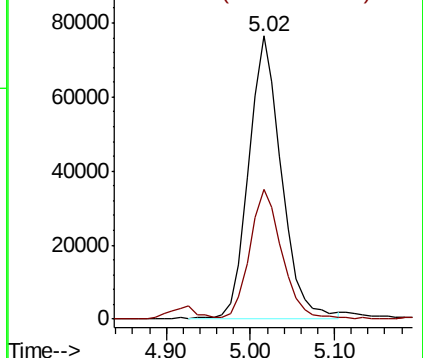
65 100

67 45.8 0.0 94.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 521

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

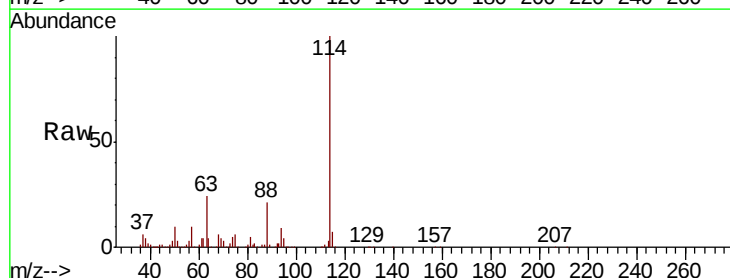
Tgt Ion: 114 Resp: 375710

Ion Ratio Lower Upper

114 100

63 24.2 0.0 48.0

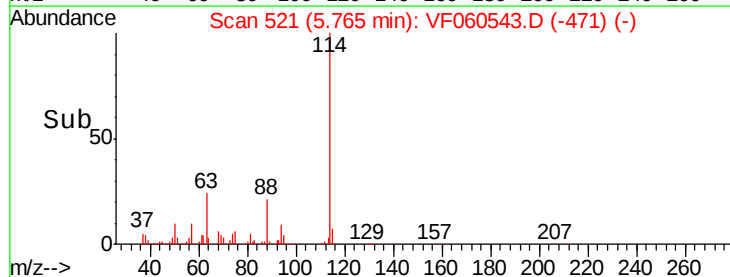
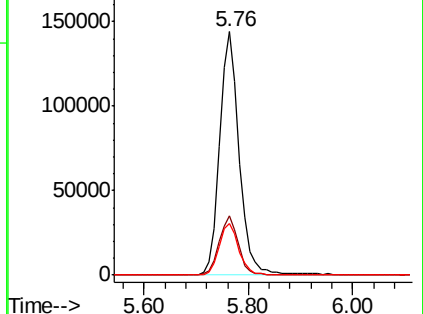
88 21.4 0.0 42.0

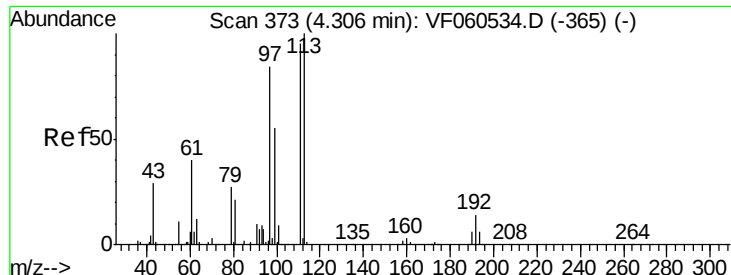


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 55.004 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.02 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

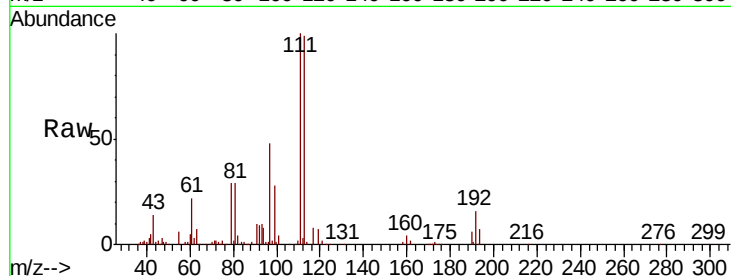
Tot Ion:113 Resp: 198301

Ion Ratio Lower Upper

113 100

111 101.1 75.9 113.9

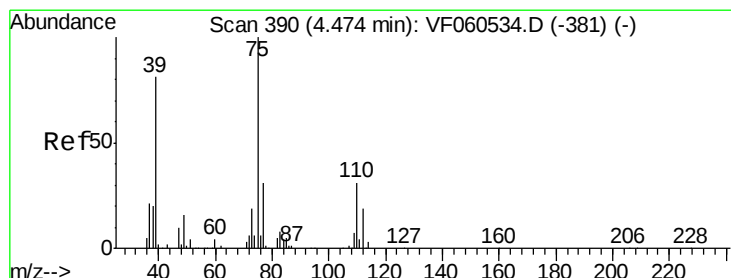
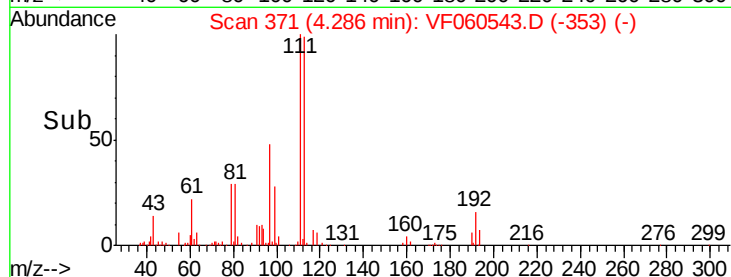
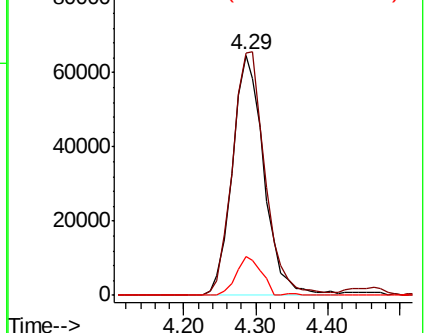
192 16.0 11.2 16.8



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: 22.775 ug/l

RT: 4.45 min Scan# 388

Delta R.T. -0.02 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

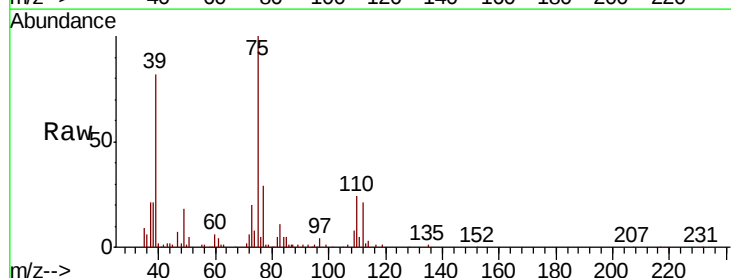
Tgt Ion: 75 Resp: 106616

Ion Ratio Lower Upper

75 100

110 24.3 15.3 45.8

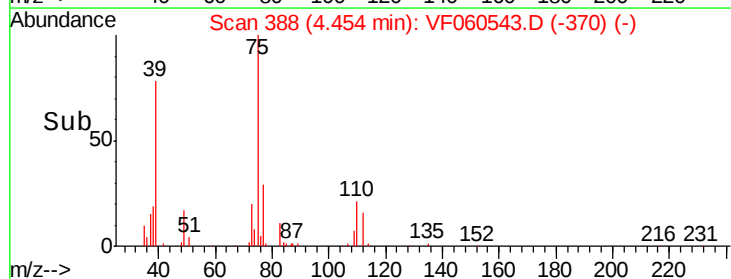
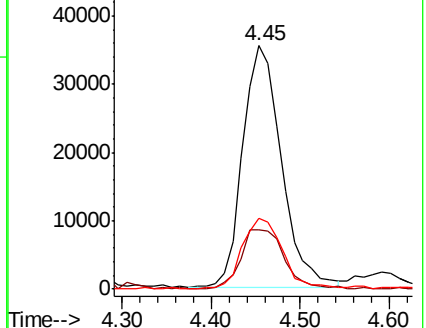
77 28.9 24.8 37.2

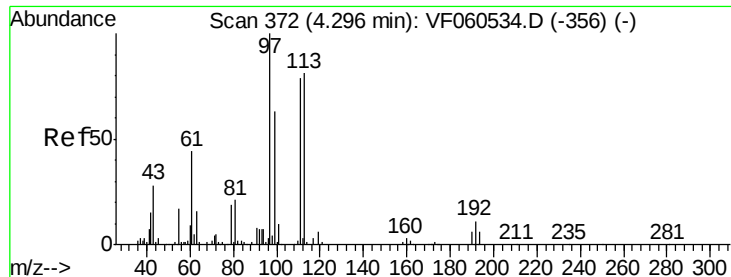


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

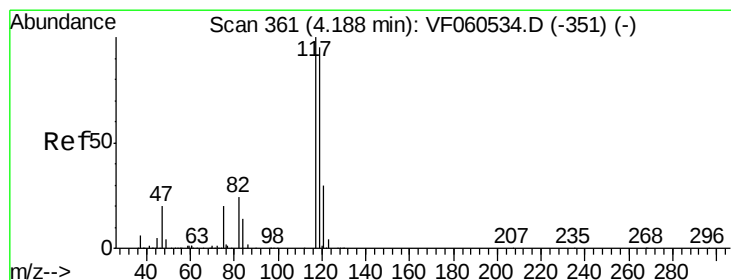
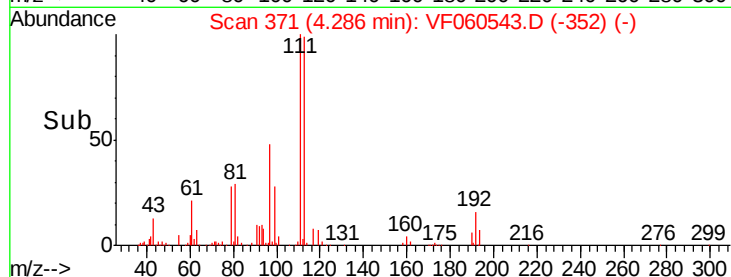
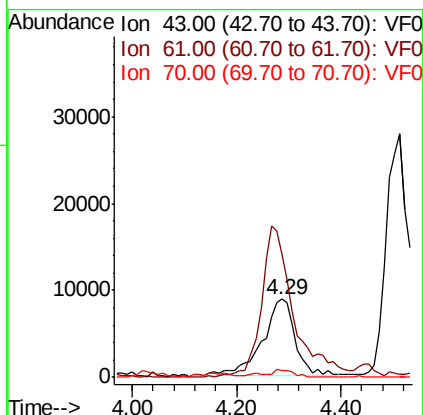
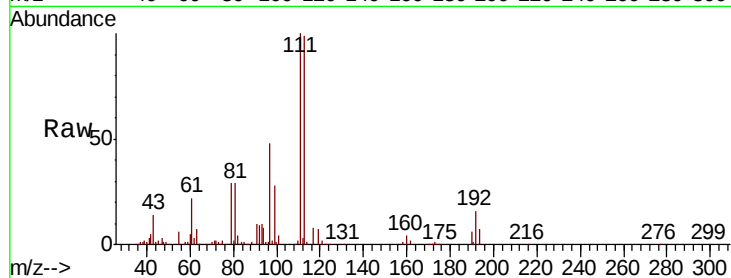




#37
Ethyl Acetate
Concen: 25.846 ug/l
RT: 4.29 min Scan# 371
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

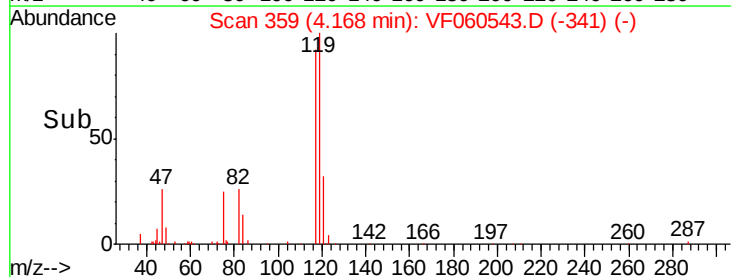
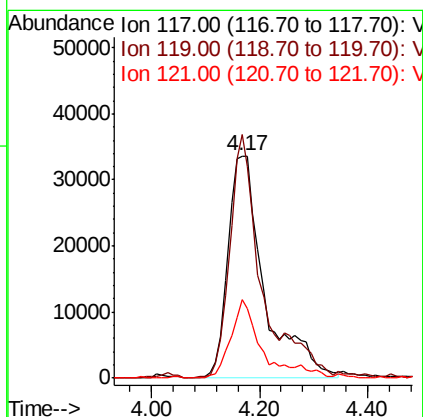
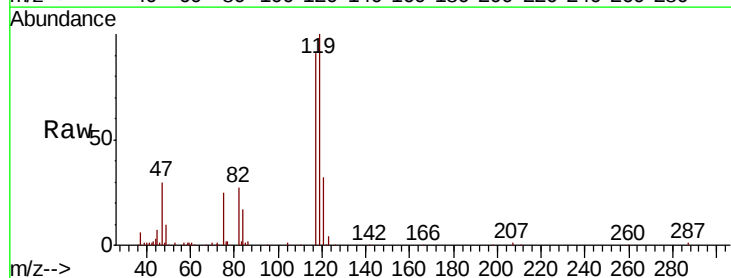
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBSD01

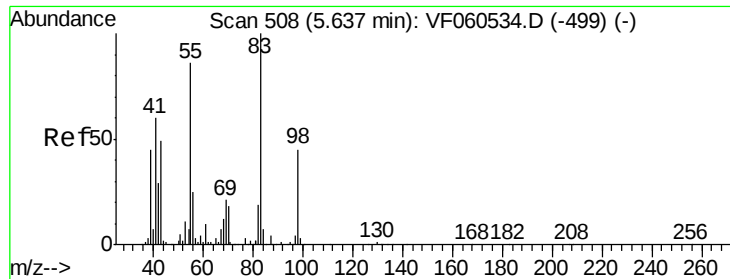
Tot Ion	43	61	70	Ratio	Lower	Upper
Resp:	39169					
Ion	43	61	70	100	157.7	8.3
					123.9	7.3
					185.9	10.9



#38
Carbon Tetrachloride
Concen: 28.342 ug/l
RT: 4.17 min Scan# 359
Delta R.T. -0.02 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Tgt Ion	117	119	121	Ratio	Lower	Upper
Resp:	158853					
Ion	117	119	121	100	109.5	35.2
					76.5	24.3
					114.7	36.5

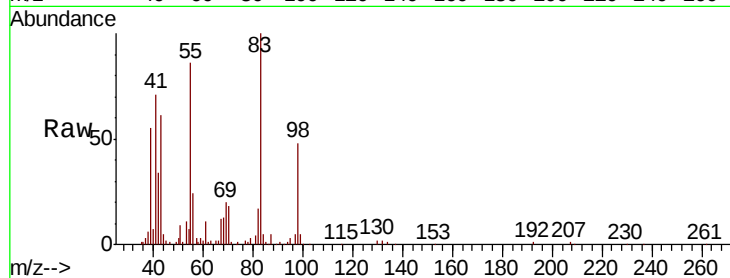




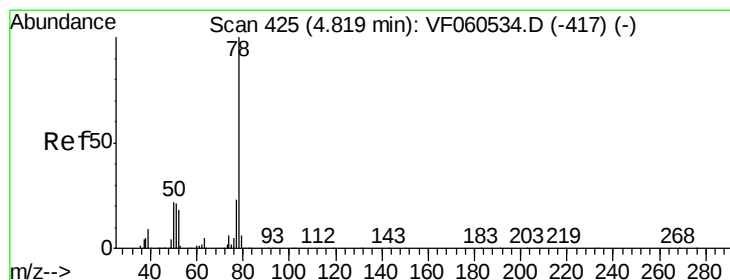
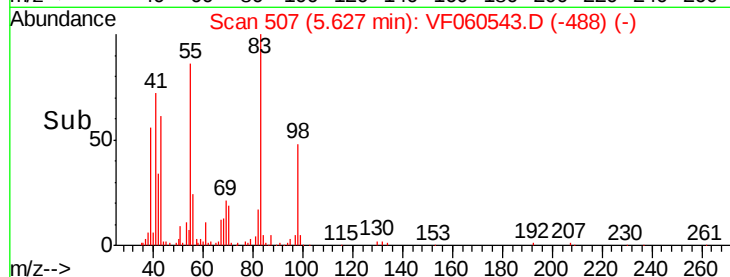
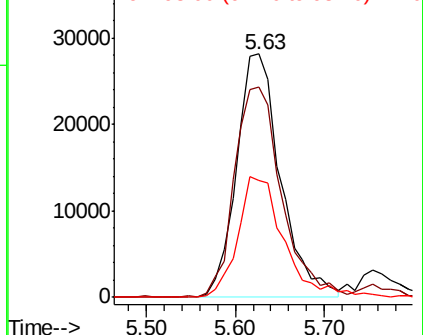
#39
Methvlcvclohexane
Concen: 20.495 ug/l
RT: 5.63 min Scan# 507
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tot Ion: 83 Resp: 96888
Ion Ratio Lower Upper
83 100
55 86.3 69.0 103.4
98 47.8 36.1 54.1

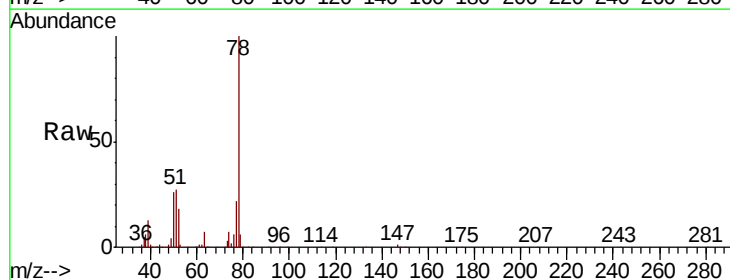


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

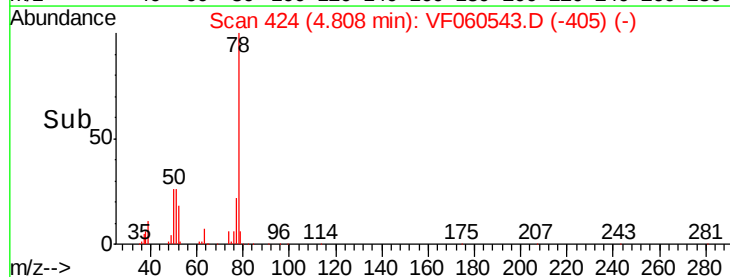
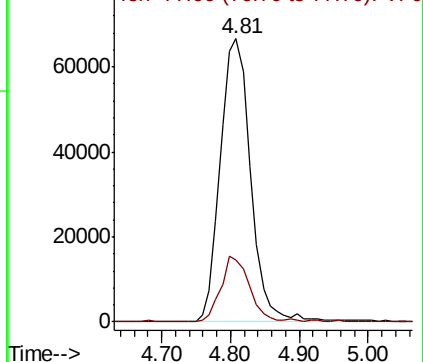


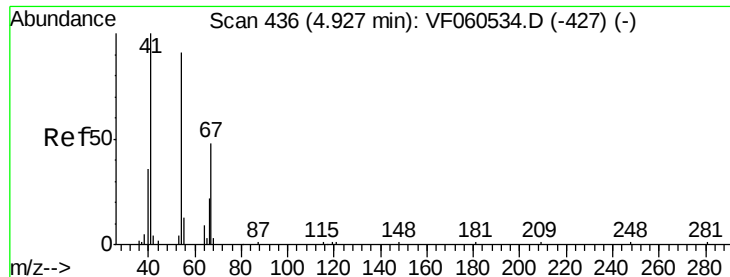
#40
Benzene
Concen: 21.970 ug/l
RT: 4.81 min Scan# 424
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Tgt Ion: 78 Resp: 203978
Ion Ratio Lower Upper
78 100
77 21.8 18.5 27.7



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0

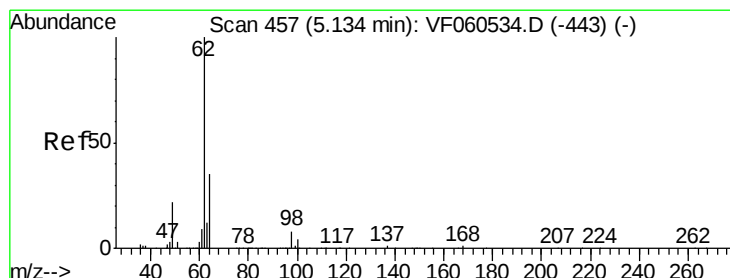
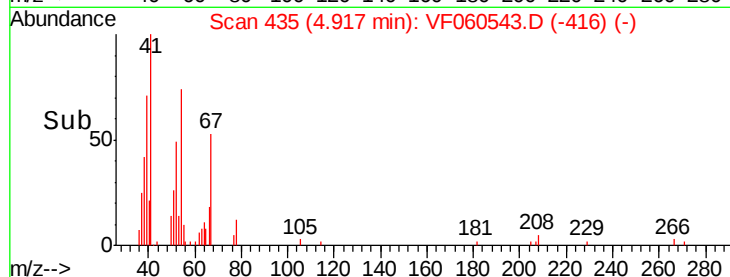
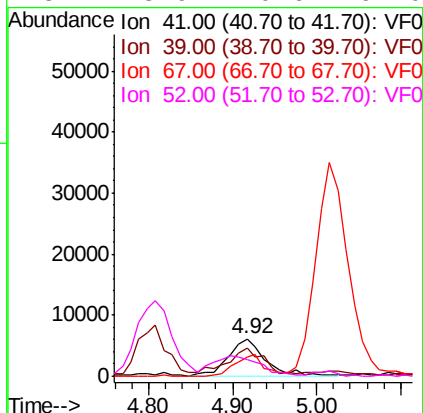
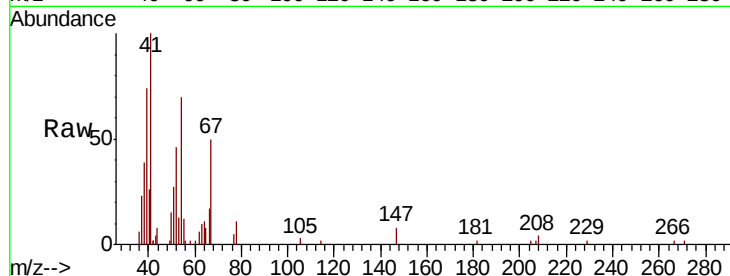




#41
Methacrylonitrile
Concen: 21.858 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

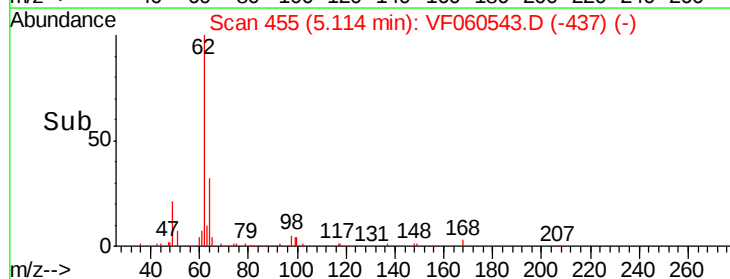
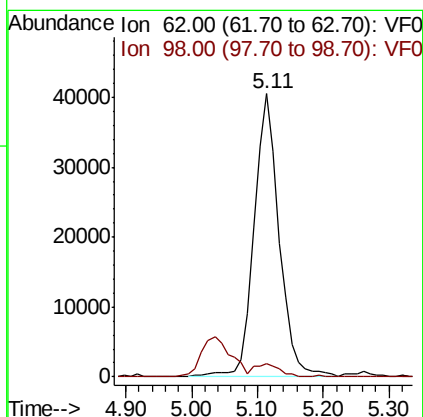
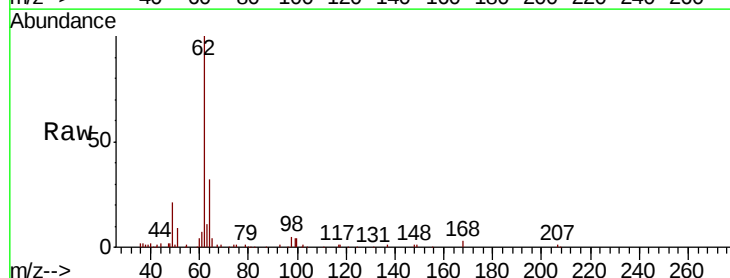
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

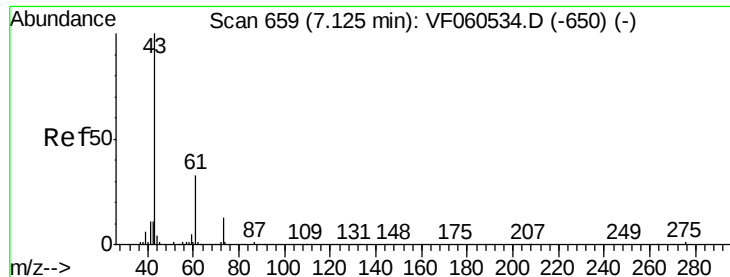
Tot Ion:	41	Resp:	18935
Ion	Ratio	Lower	Upper
41	100		
39	73.6	51.0	76.6
67	49.8	38.0	57.0
52	45.9	40.6	61.0



#42
1,2-Dichloroethane
Concen: 25.139 ug/l
RT: 5.11 min Scan# 455
Delta R.T. -0.02 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Tgt Ion:	62	Resp:	108377
Ion	Ratio	Lower	Upper
62	100		
98	4.6	0.0	15.8



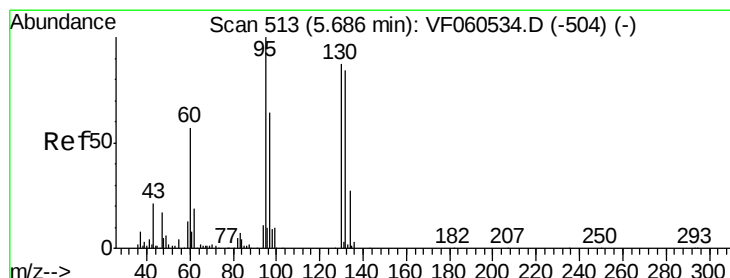
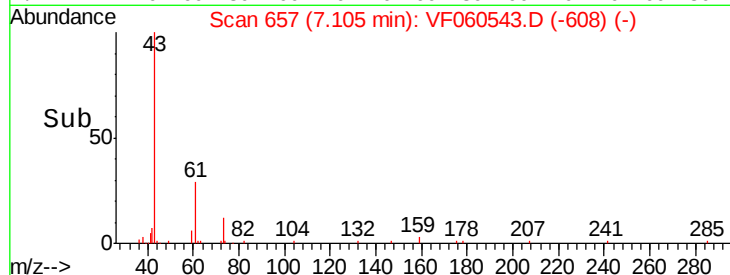
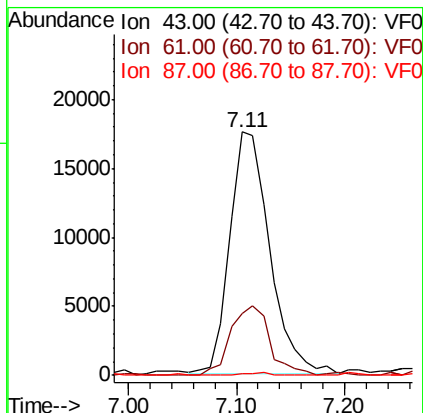
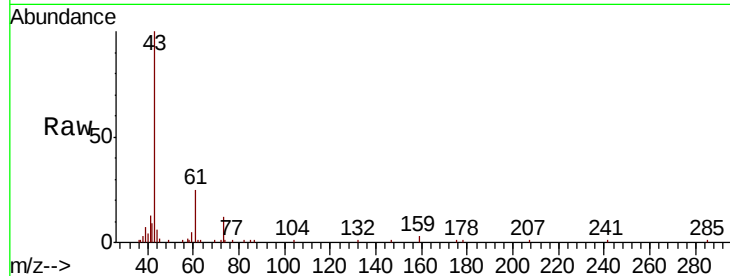


#43

Isopropyl Acetate
 Concen: 24.579 ug/l
 RT: 7.11 min Scan# 657
 Delta R.T. -0.02 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

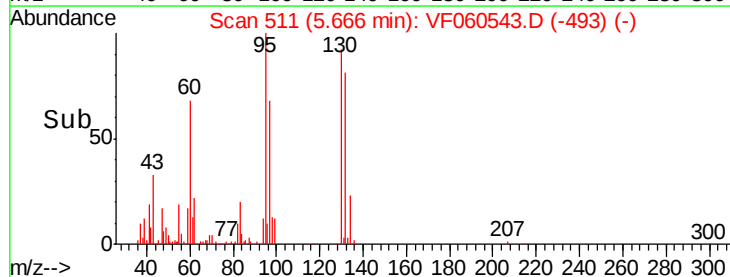
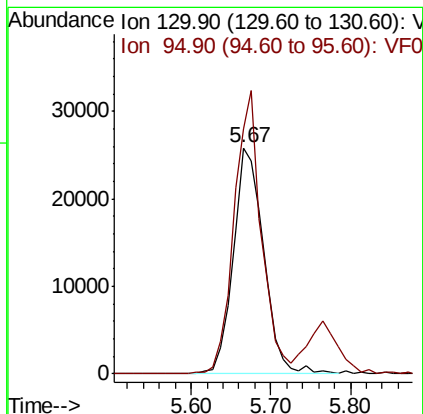
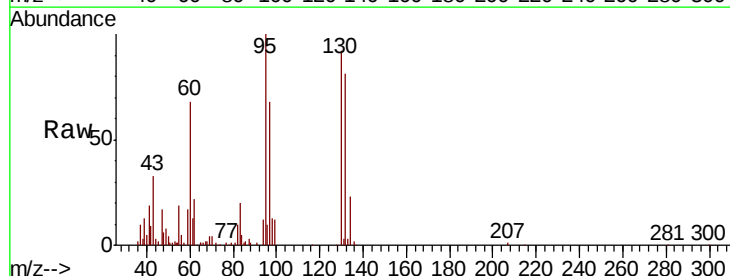
Tot Ion	Ratio	Lower	Upper
43	100		
61	25.5	26.6	40.0#
87	0.7	0.6	1.0

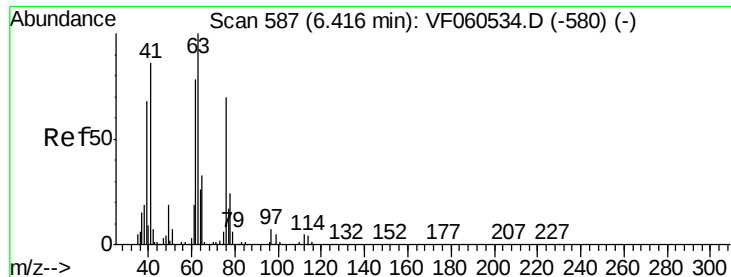


#44

Trichloroethene
 Concen: 22.817 ug/l
 RT: 5.67 min Scan# 511
 Delta R.T. -0.02 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.4	0.0	229.4





#45

1,2-Dichloropropane

Concen: 22.312 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.02 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

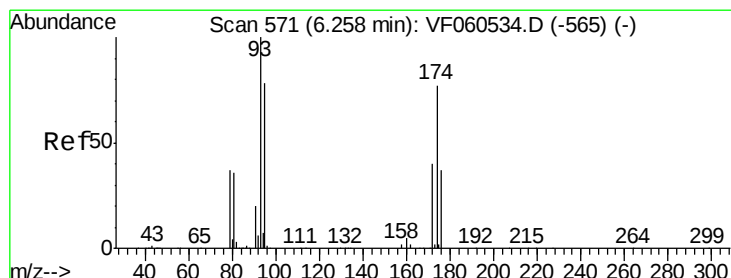
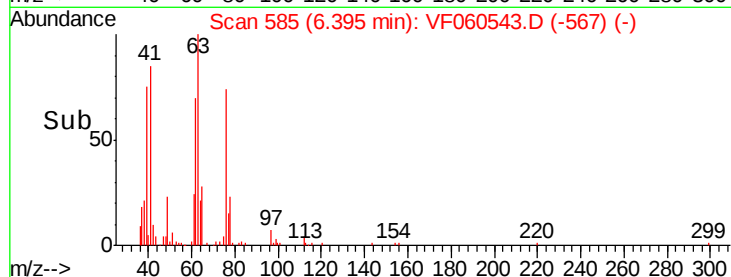
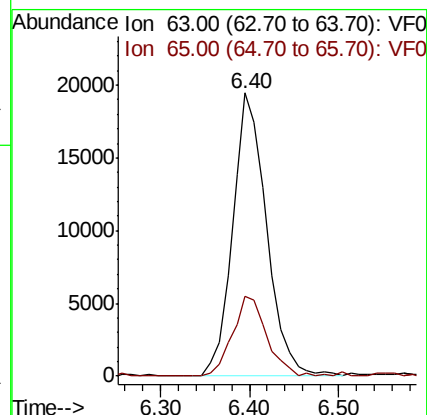
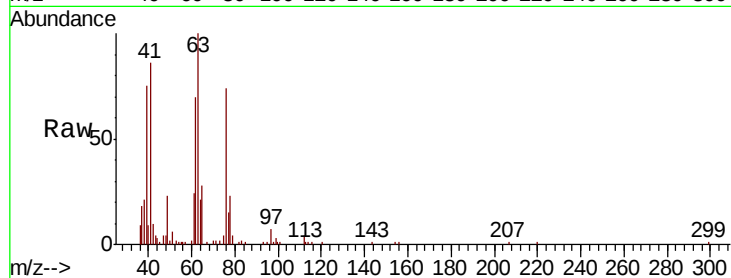
VF1030SBS01

Tot Ion: 63 Resp: 51694

Ion Ratio Lower Upper

63 100

65 28.2 26.5 39.7



#46

Dibromomethane

Concen: 22.217 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

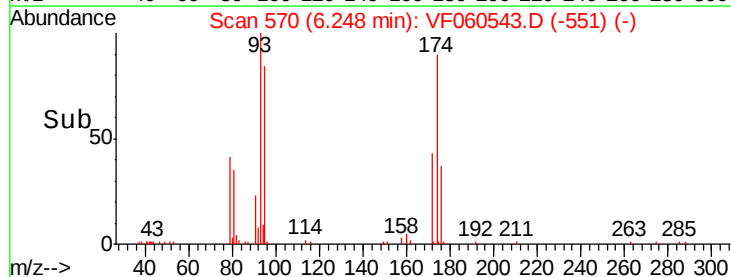
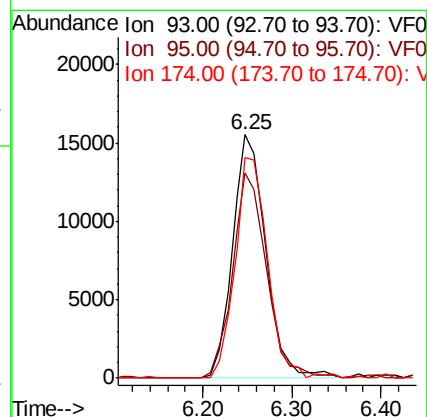
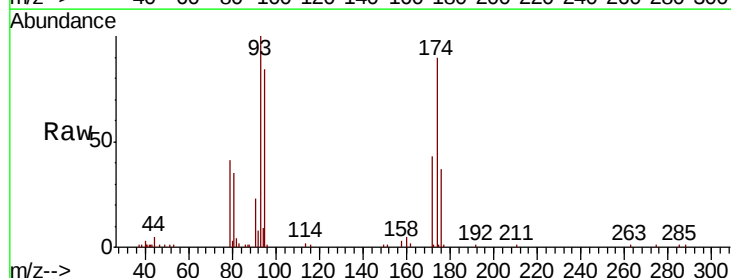
Tgt Ion: 93 Resp: 40421

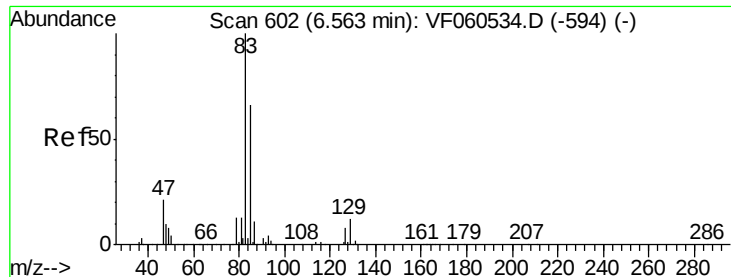
Ion Ratio Lower Upper

93 100

95 84.9 64.3 96.5

174 90.8 63.3 94.9





#47

Bromodichloromethane

Concen: 25.593 ug/l

RT: 6.54 min Scan# 600

Delta R.T. -0.02 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

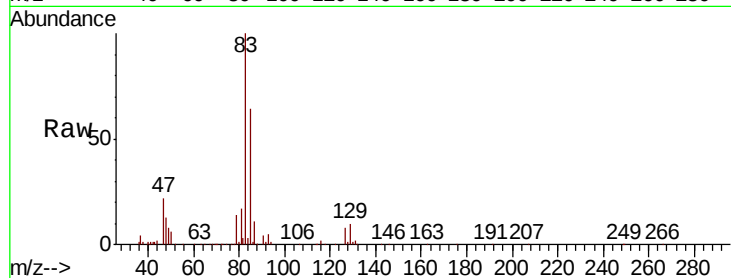
Tot Ion: 83 Resp: 119479

Ion Ratio Lower Upper

83 100

85 64.3 52.7 79.1

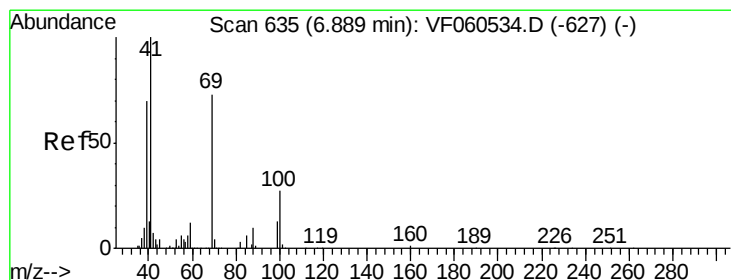
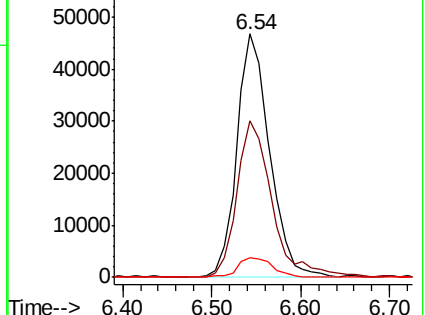
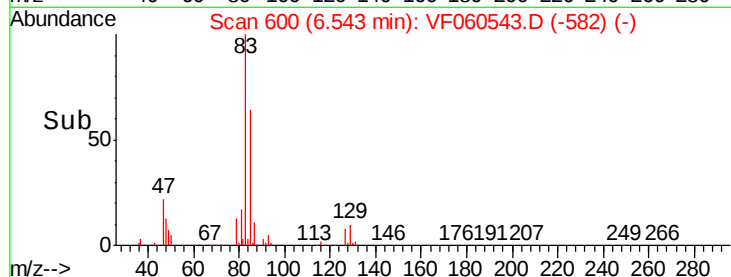
127 8.8 6.4 9.6



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: 23.301 ug/l

RT: 6.87 min Scan# 633

Delta R.T. -0.02 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

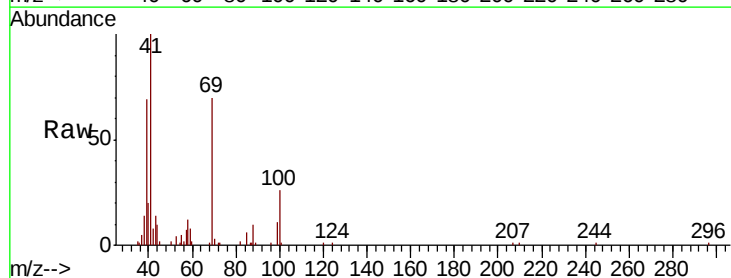
Tgt Ion: 41 Resp: 29482

Ion Ratio Lower Upper

41 100

69 70.0 58.4 87.6

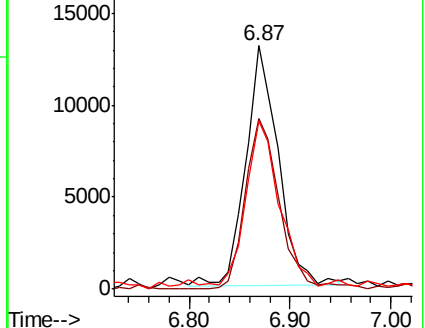
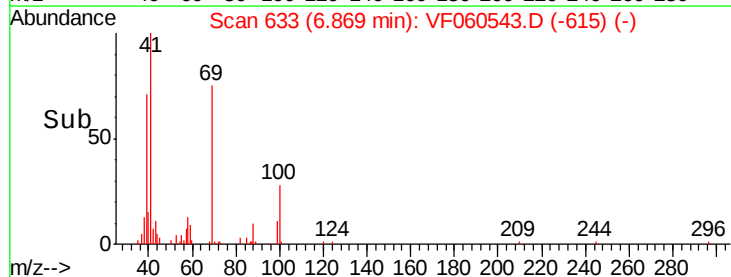
39 68.9 56.4 84.6

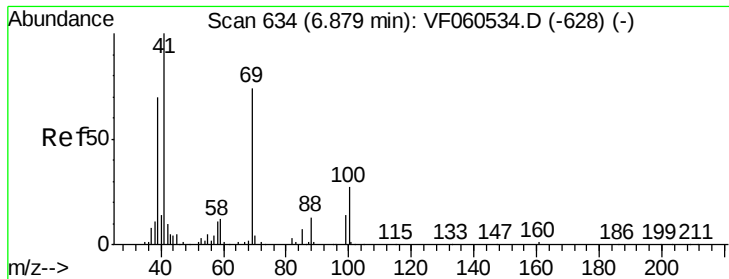


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 393.970 ug/l

RT: 6.86 min Scan# 632

Delta R.T. -0.02 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

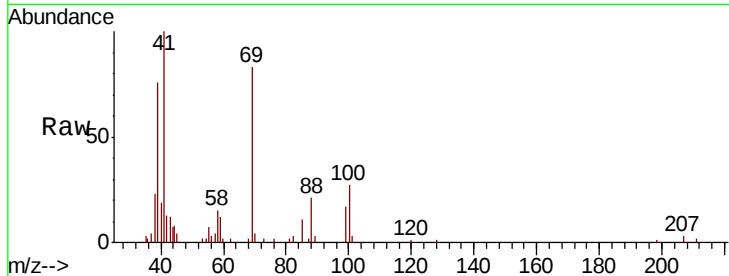
Tot Ion: 88 Resp: 4637

Ion Ratio Lower Upper

88 100

43 56.2 49.7 74.5

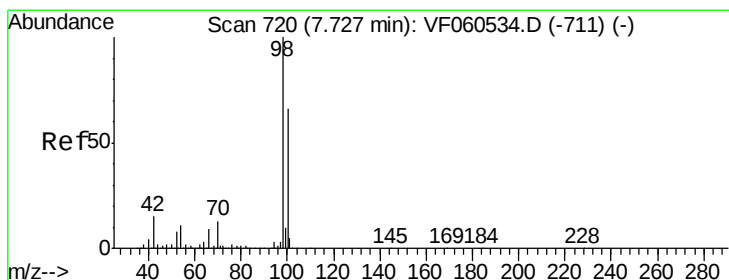
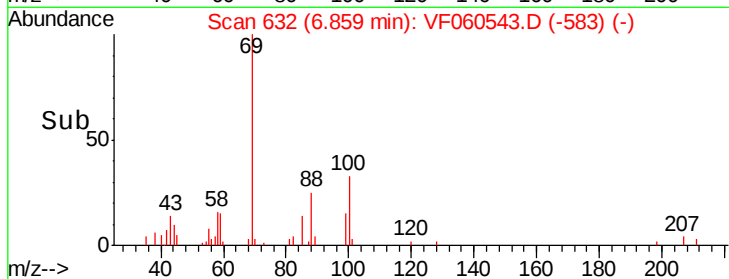
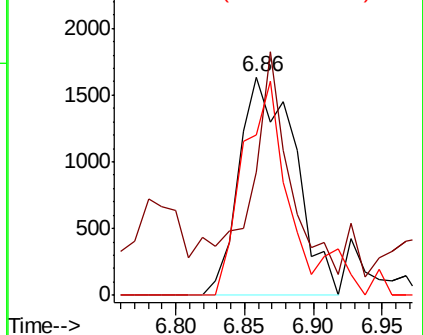
58 73.3 67.7 101.5



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: 53.568 ug/l

RT: 7.71 min Scan# 718

Delta R.T. -0.02 min

Lab File: VF060543.D

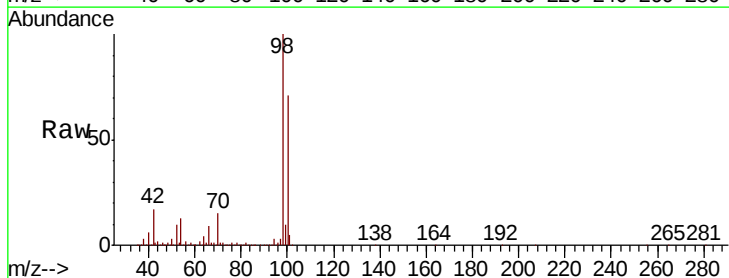
Acq: 30 Oct 2018 13:57

Tgt Ion: 98 Resp: 471648

Ion Ratio Lower Upper

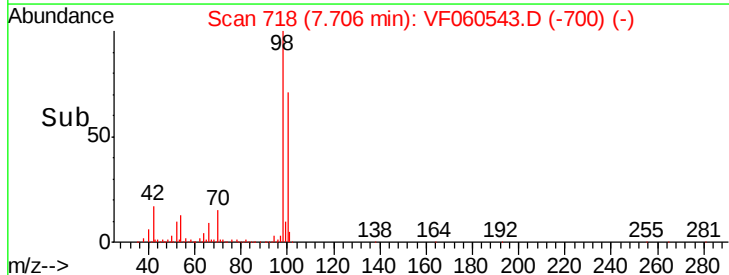
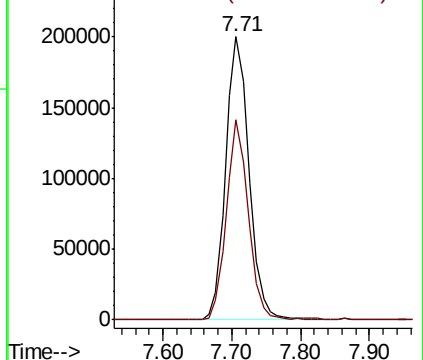
98 100

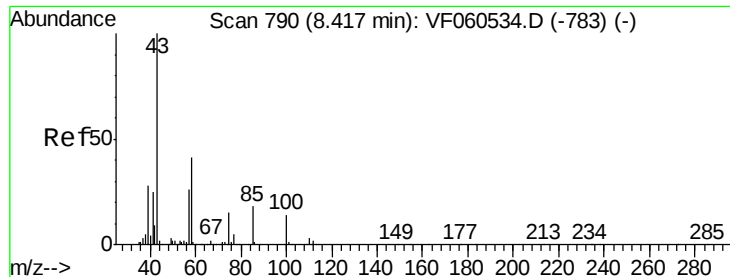
100 70.7 53.0 79.6



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: 119.047 ug/l

RT: 8.41 min Scan# 789

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

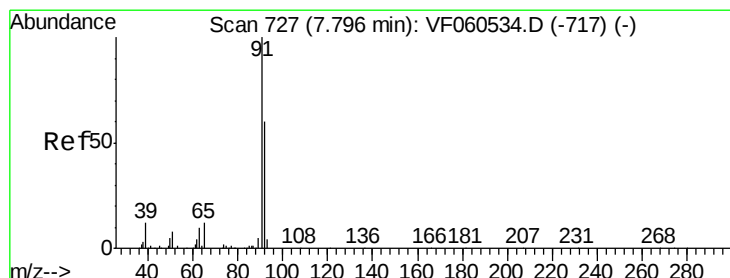
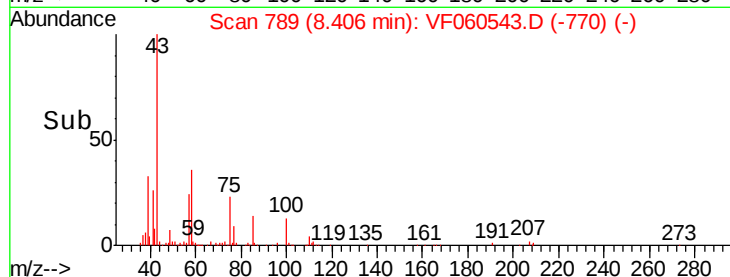
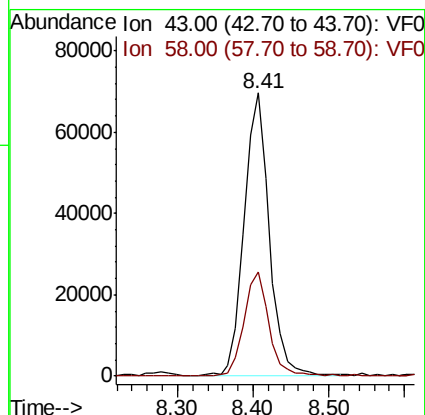
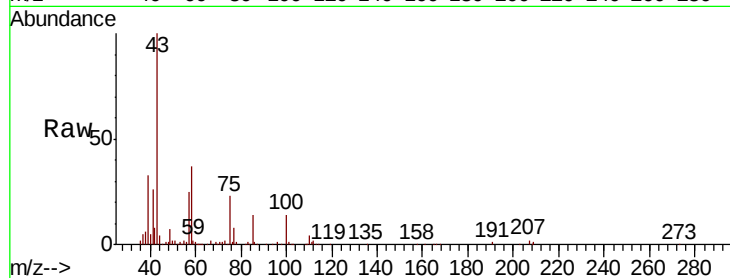
VF1030SBS01

Tot Ion: 43 Resp: 158180

Ion Ratio Lower Upper

43 100

58 36.6 32.6 49.0



#52

Toluene

Concen: 21.948 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.02 min

Lab File: VF060543.D

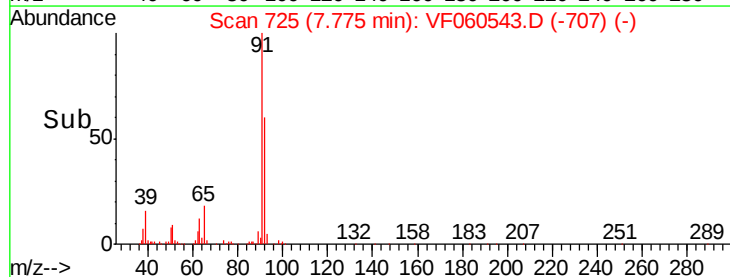
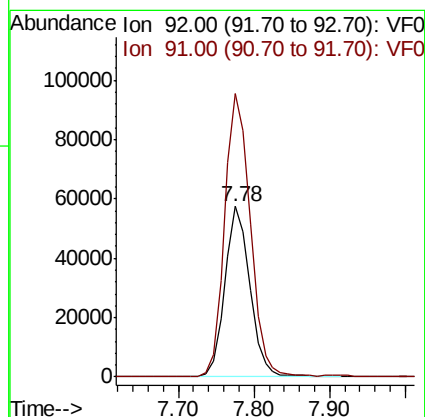
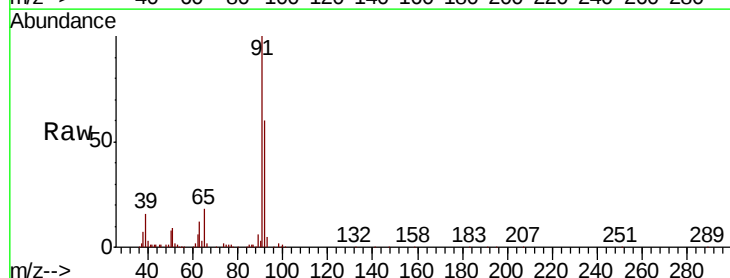
Acq: 30 Oct 2018 13:57

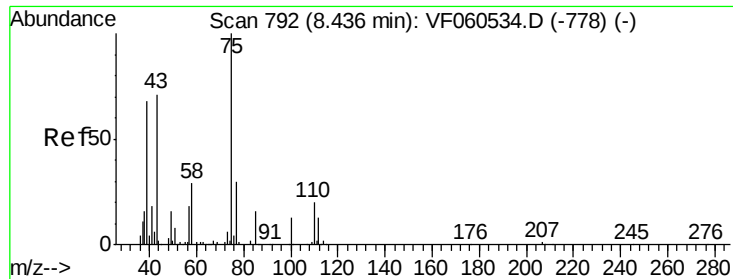
Tgt Ion: 92 Resp: 132289

Ion Ratio Lower Upper

92 100

91 166.1 134.1 201.1

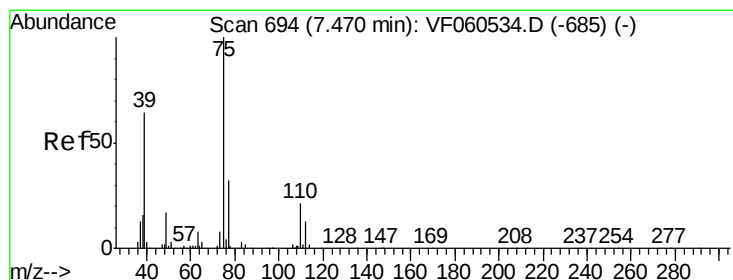
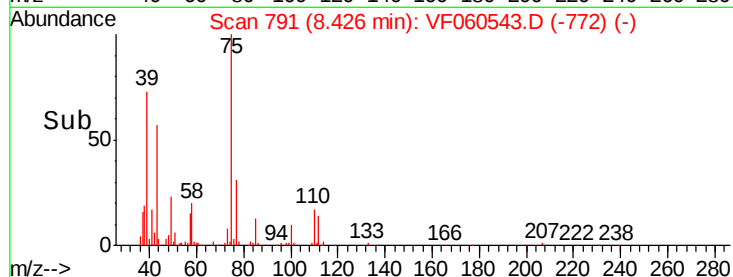
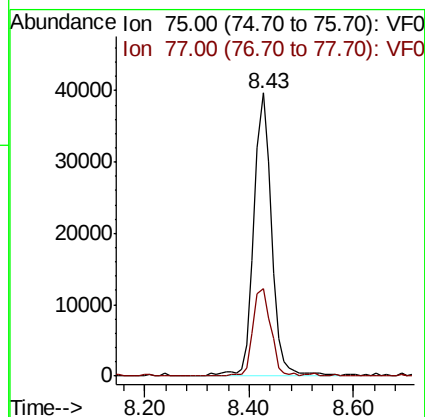
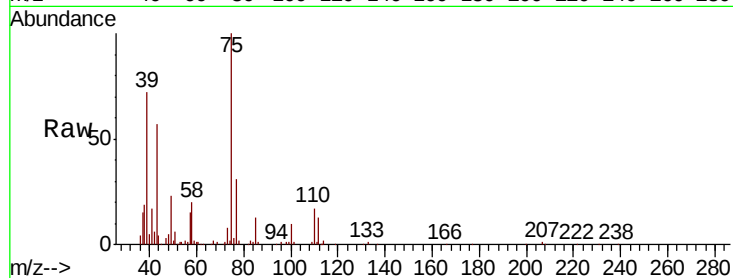




#53
t-1,3-Dichloropropene
Concen: 24.722 ug/l
RT: 8.43 min Scan# 791
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

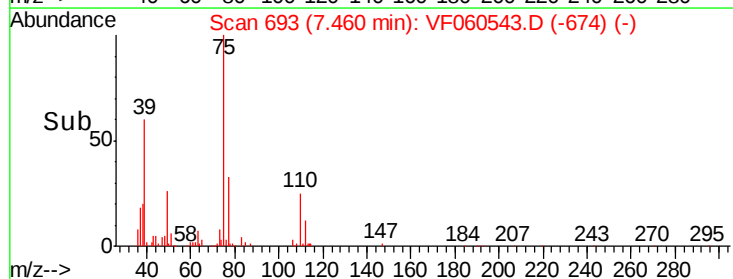
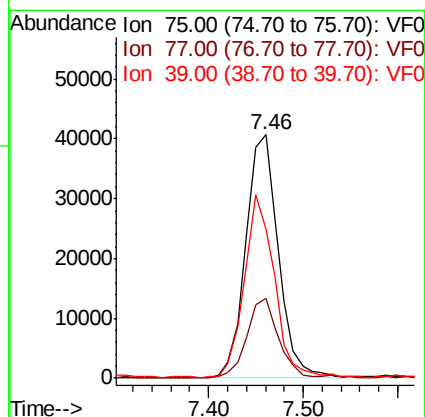
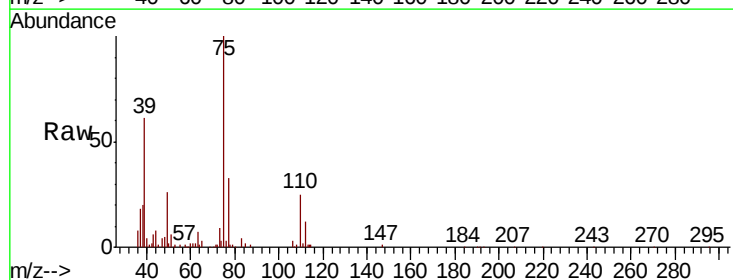
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

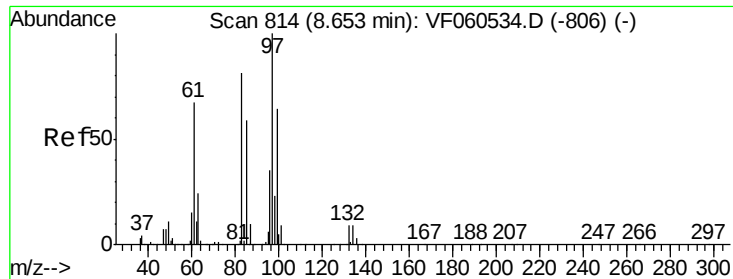
Tot Ion: 75 Resp: 90158
Ion Ratio Lower Upper
75 100
77 30.9 24.2 36.4



#54
cis-1,3-Dichloropropene
Concen: 22.519 ug/l
RT: 7.46 min Scan# 693
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Tgt Ion: 75 Resp: 97327
Ion Ratio Lower Upper
75 100
77 32.8 25.7 38.5
39 61.0 51.5 77.3





#55

1,1,2-Trichloroethane

Concen: 22.164 ug/l

RT: 8.64 min Scan# 813

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tot Ion: 97 Resp: 40027

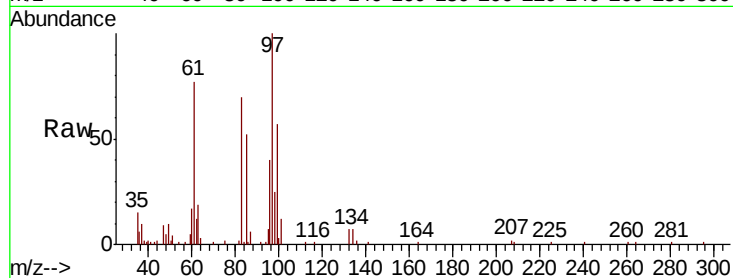
Ion Ratio Lower Upper

97 100

83 70.3 65.3 97.9

85 52.0 47.6 71.4

99 57.2 51.5 77.3

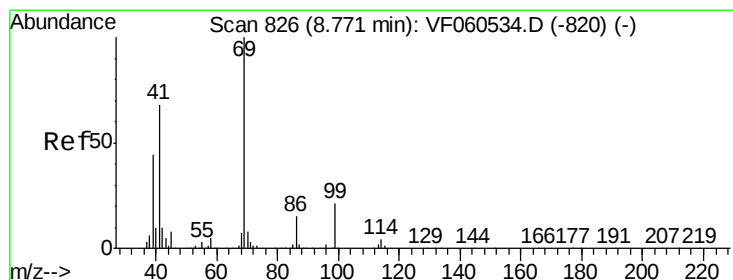
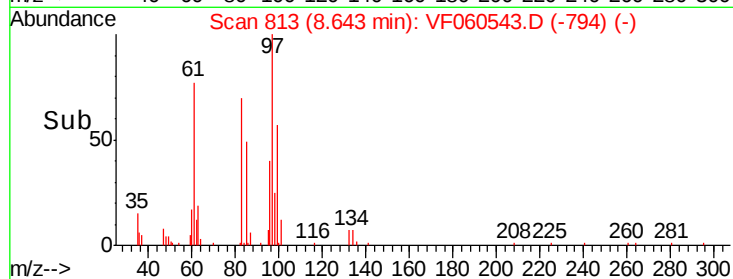
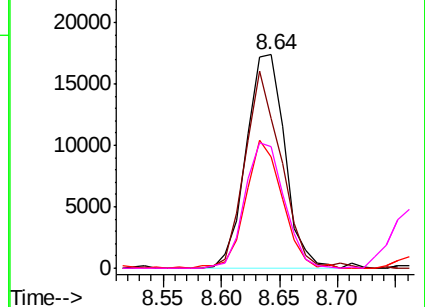


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 22.981 ug/l

RT: 8.76 min Scan# 825

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

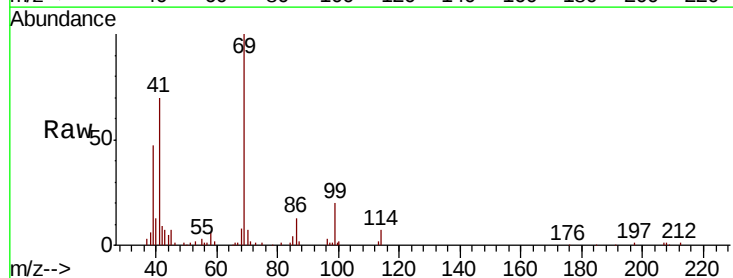
Tgt Ion: 69 Resp: 46569

Ion Ratio Lower Upper

69 100

41 70.4 55.0 82.6

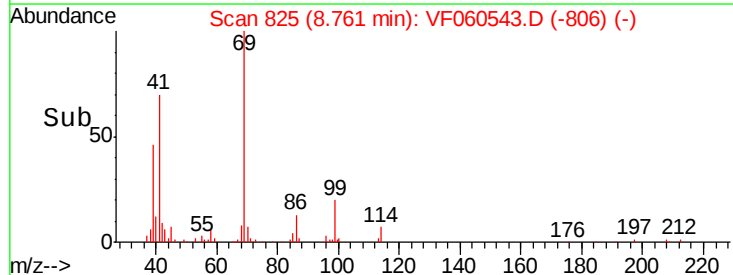
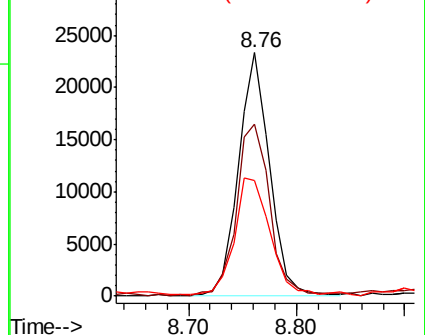
39 47.4 35.1 52.7

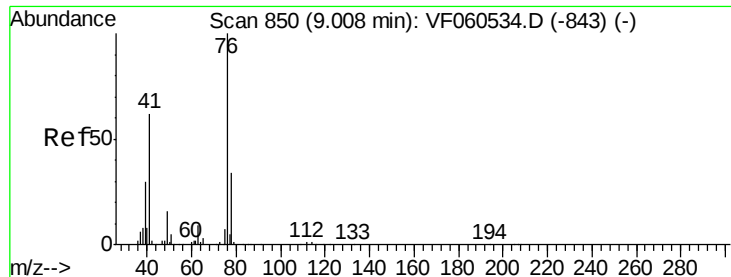


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.769 ug/l

RT: 9.00 min Scan# 849

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

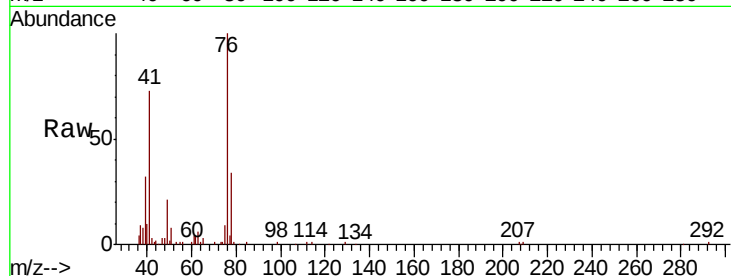
VF1030SBSD01

Tot Ion: 76 Resp: 66530

Ion Ratio Lower Upper

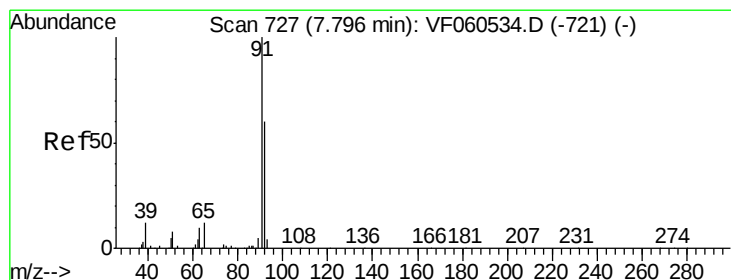
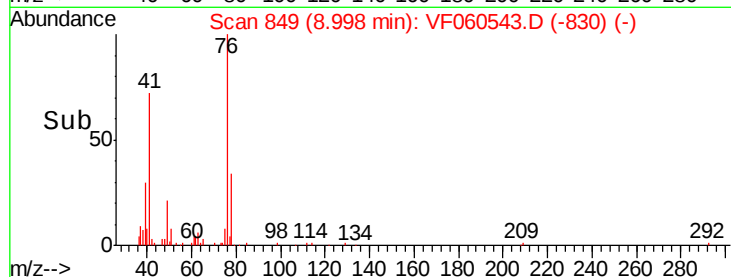
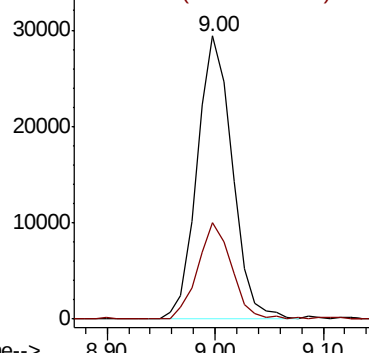
76 100

78 34.1 27.3 40.9



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 125.818 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.02 min

Lab File: VF060543.D

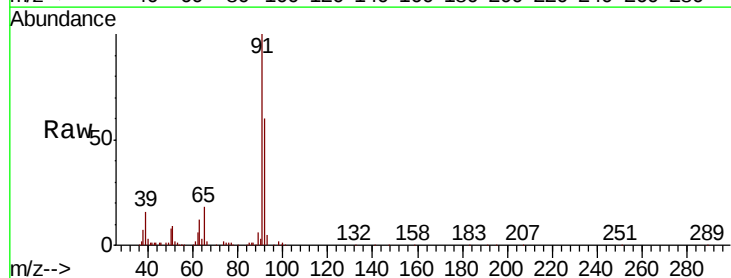
Acq: 30 Oct 2018 13:57

Tgt Ion: 63 Resp: 26277

Ion Ratio Lower Upper

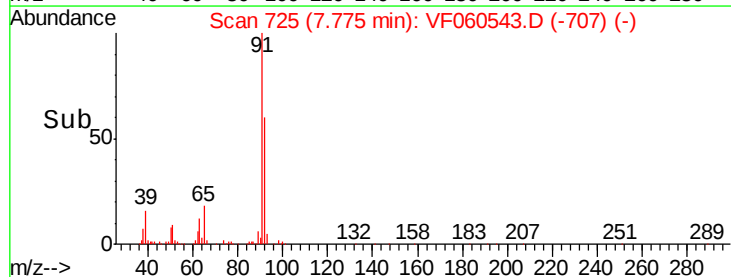
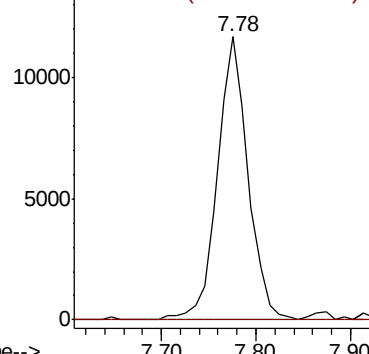
63 100

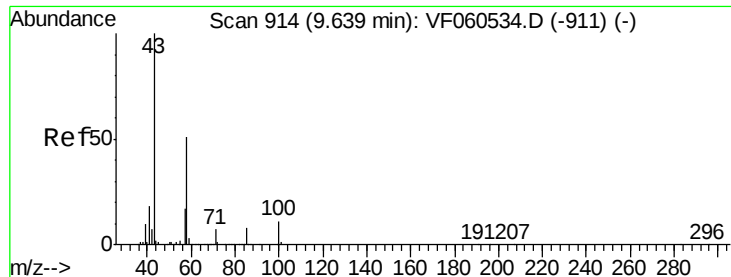
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

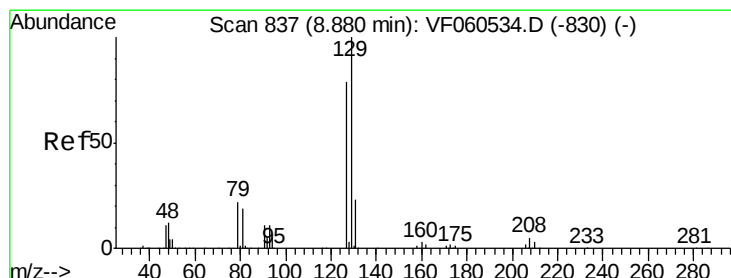
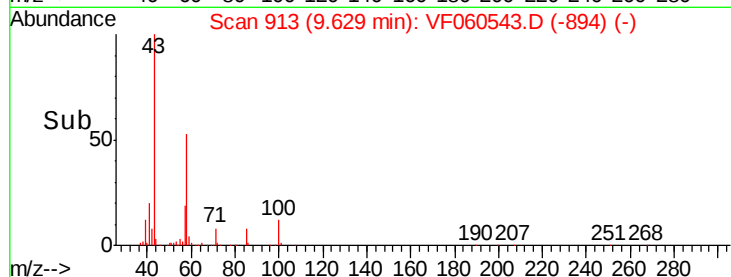
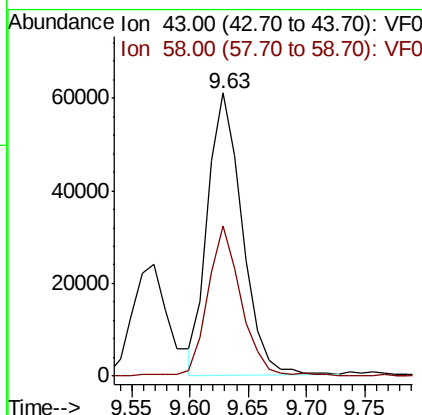
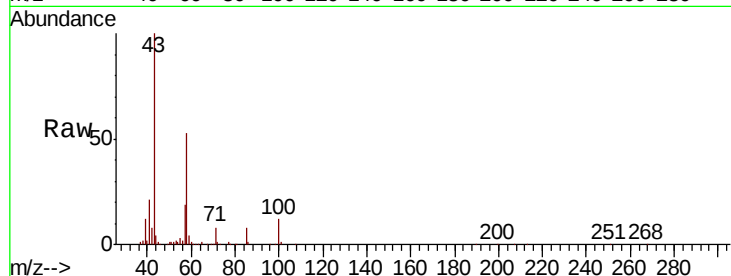




#59
2-Hexanone
Concen: 122.499 ug/l
RT: 9.63 min Scan# 913
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

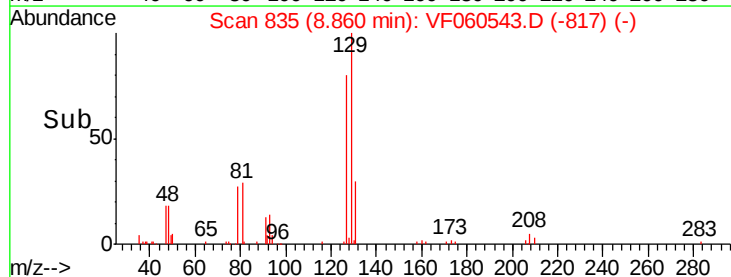
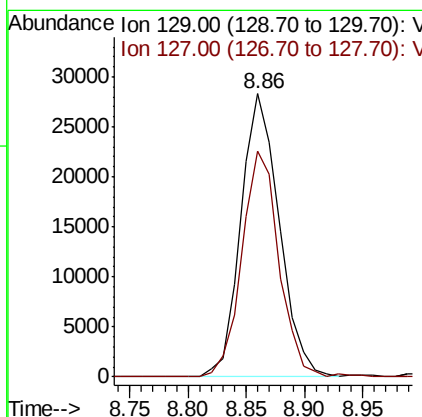
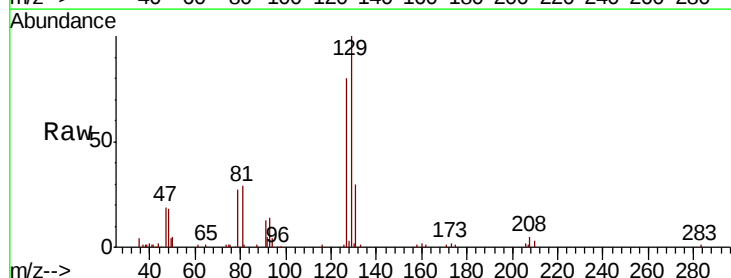
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

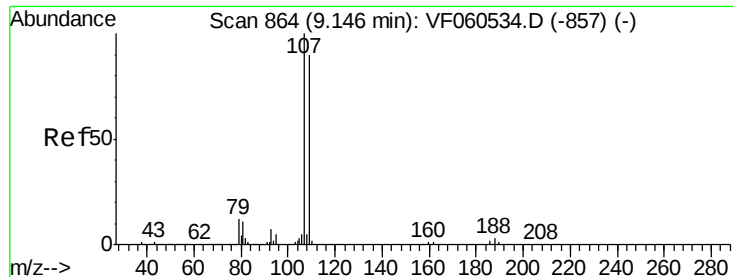
Tot Ion: 43 Resp: 124517
Ion Ratio Lower Upper
43 100
58 52.9 24.1 72.3



#60
Dibromochloromethane
Concen: 22.223 ug/l
RT: 8.86 min Scan# 835
Delta R.T. -0.02 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Tgt Ion: 129 Resp: 64651
Ion Ratio Lower Upper
129 100
127 79.7 39.6 119.0





#61

1,2-Dibromoethane

Concen: 20.027 ug/l

RT: 9.14 min Scan# 863

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

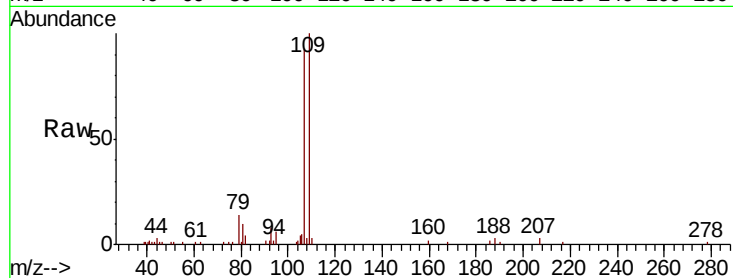
VF1030SBS01

Tot Ion:107 Resp: 41875

Ion Ratio Lower Upper

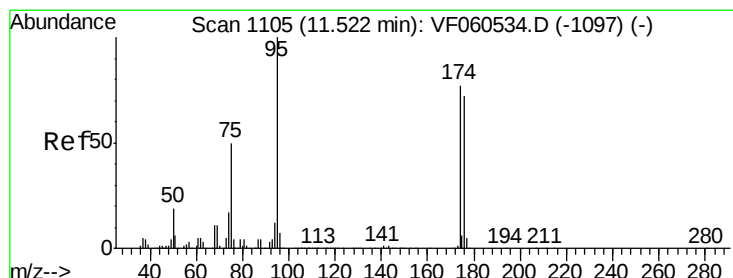
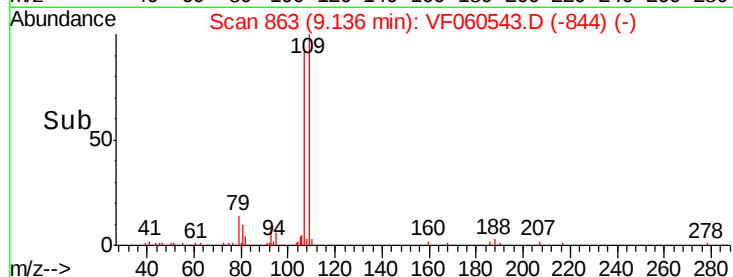
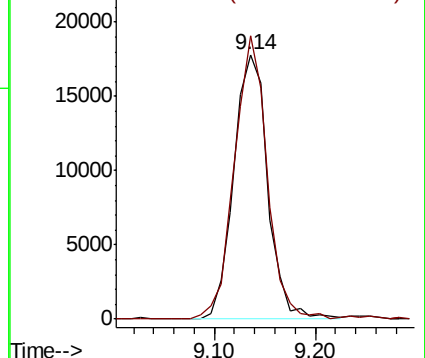
107 100

109 107.1 72.2 108.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 51.728 ug/l

RT: 11.51 min Scan# 1104

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

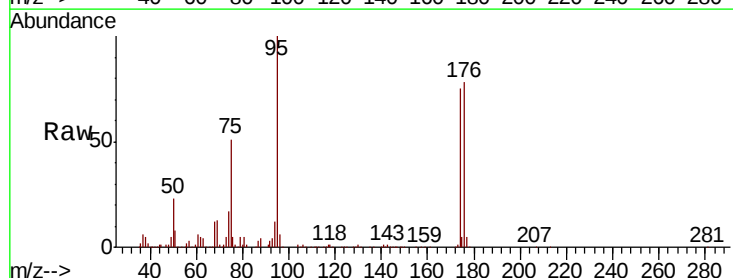
Tgt Ion: 95 Resp: 209853

Ion Ratio Lower Upper

95 100

174 75.2 0.0 153.8

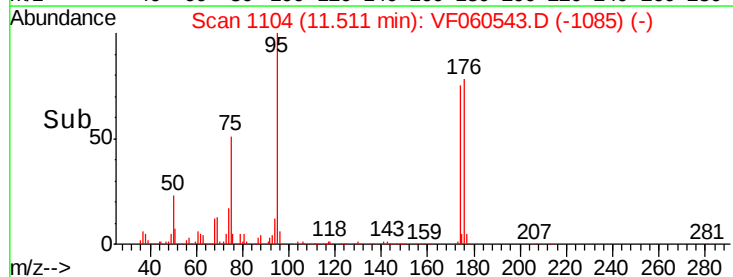
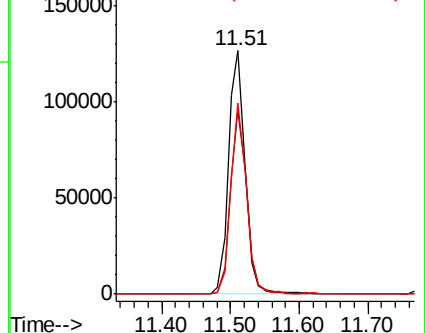
176 78.4 0.0 143.6

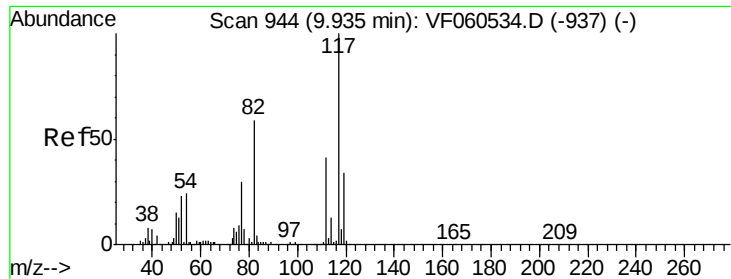


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

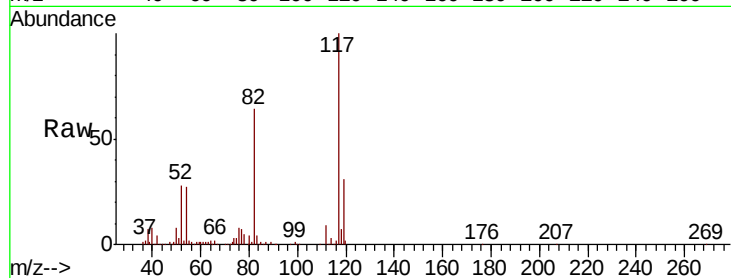




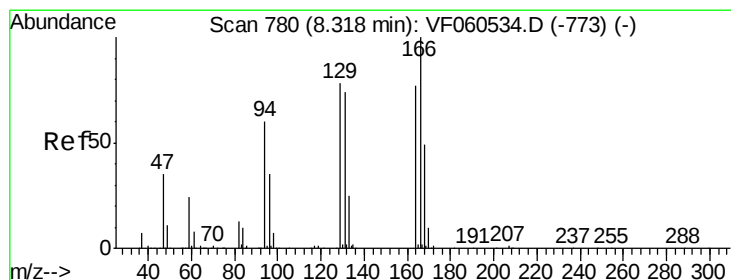
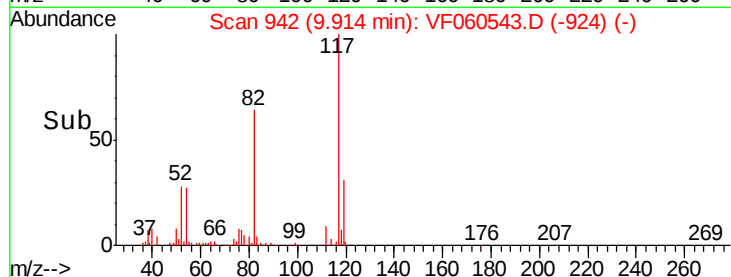
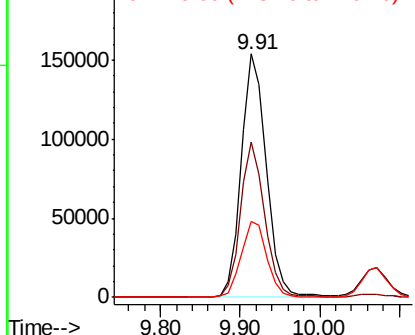
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 942
Delta R.T. -0.02 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tot Ion:117 Resp: 335836
Ion Ratio Lower Upper
117 100
82 63.8 47.6 71.4
119 31.0 27.3 40.9

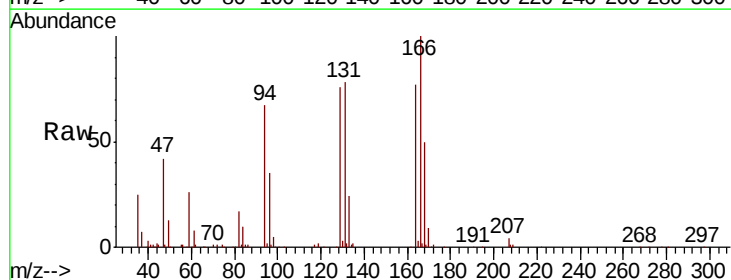


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

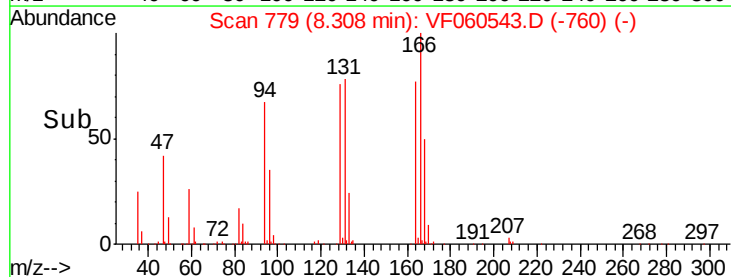
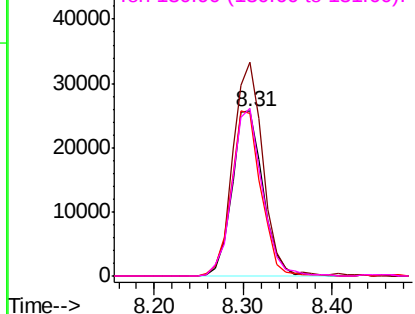


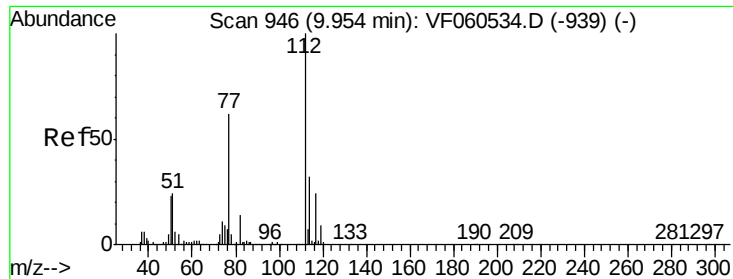
#64
Tetrachloroethene
Concen: 21.922 ug/l
RT: 8.31 min Scan# 779
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Tgt Ion:164 Resp: 62234
Ion Ratio Lower Upper
164 100
166 129.6 103.4 155.2
129 98.6 80.7 121.1
131 101.6 76.3 114.5



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

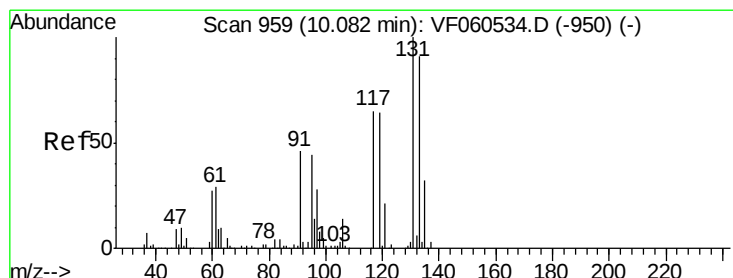
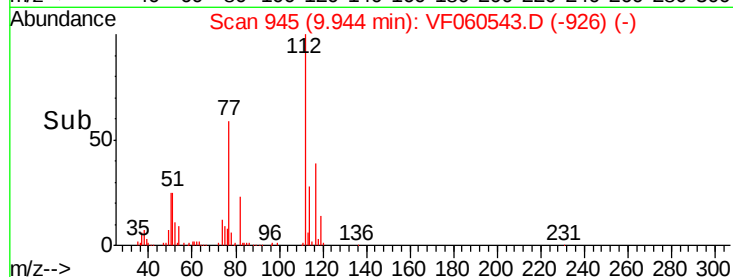
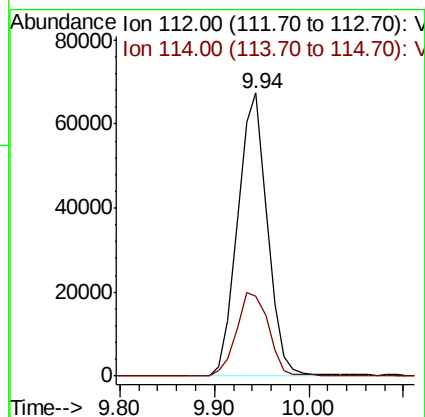
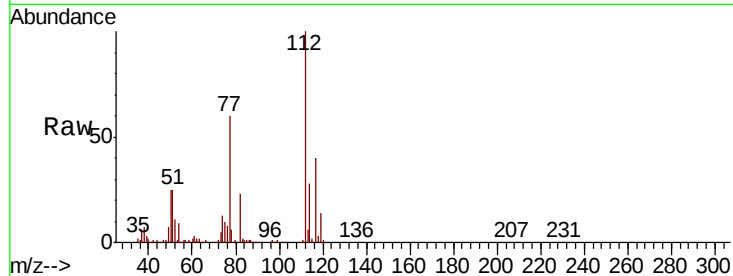




#65
Chlorobenzene
Concen: 21.731 ug/l
RT: 9.94 min Scan# 945
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

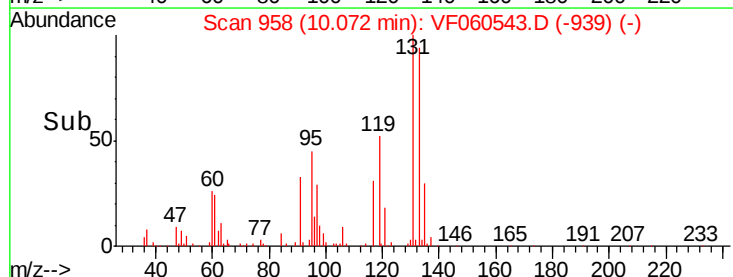
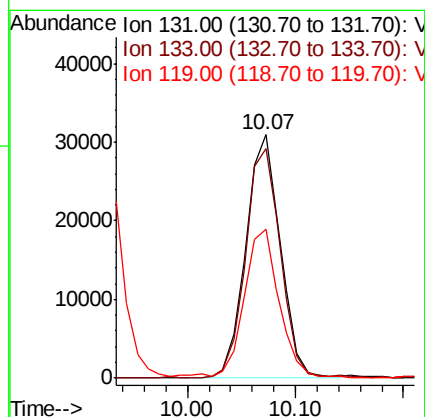
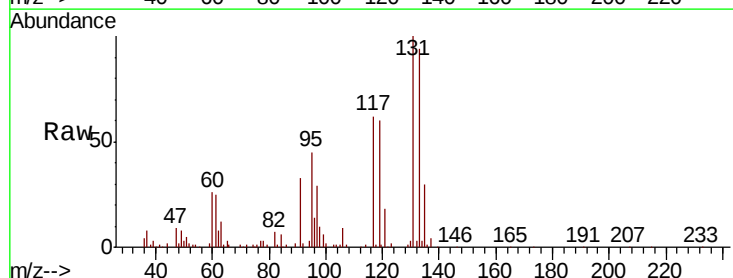
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBSD01

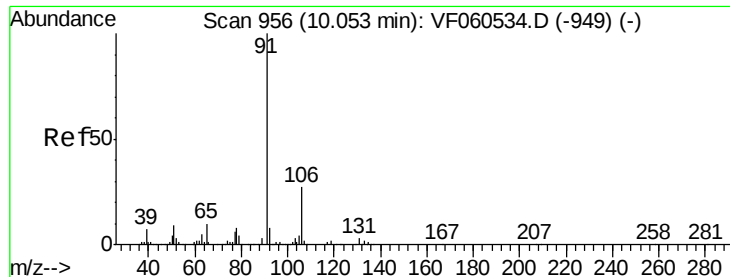
Tot Ion:112 Resp: 146830
Ion Ratio Lower Upper
112 100
114 28.4 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 22.360 ug/l
RT: 10.07 min Scan# 958
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Tgt Ion:131 Resp: 68845
Ion Ratio Lower Upper
131 100
133 94.1 45.8 137.3
119 61.1 32.4 97.0





#67

Ethyl Benzene

Concen: 22.793 ug/l

RT: 10.03 min Scan# 954

Delta R.T. -0.02 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

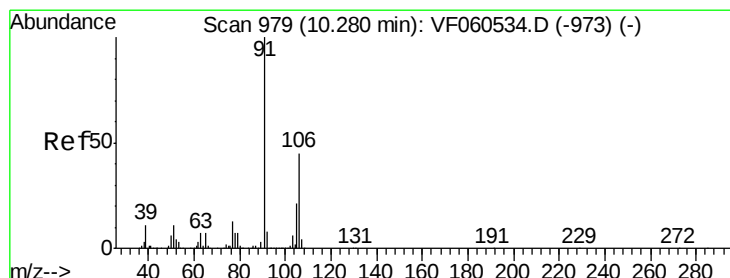
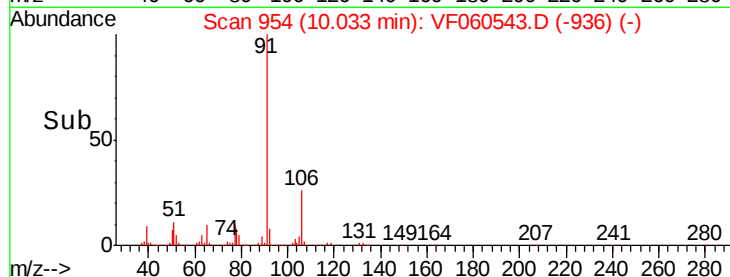
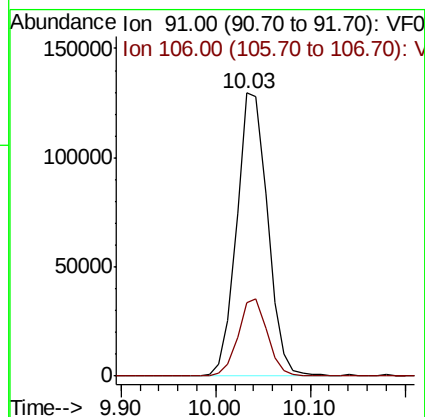
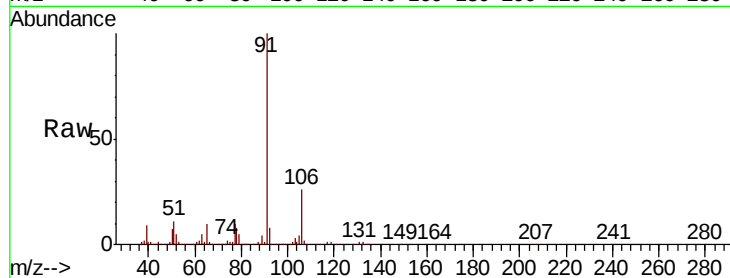
VF1030SBS01

Tot Ion: 91 Resp: 294261

Ion Ratio Lower Upper

91 100

106 25.8 21.9 32.9



#68

m/p-Xylenes

Concen: 43.082 ug/l

RT: 10.27 min Scan# 978

Delta R.T. -0.01 min

Lab File: VF060543.D

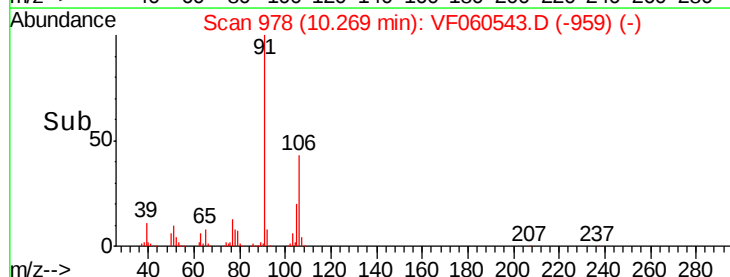
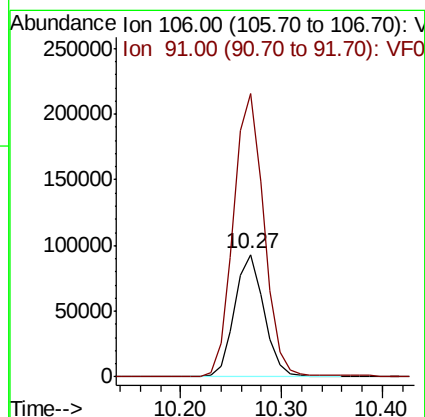
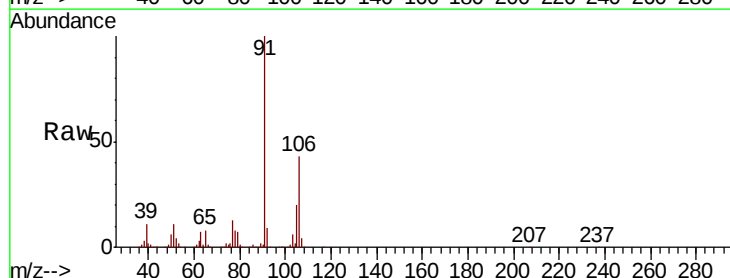
Acq: 30 Oct 2018 13:57

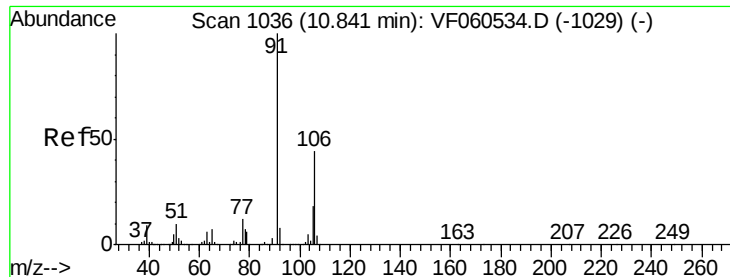
Tgt Ion: 106 Resp: 189951

Ion Ratio Lower Upper

106 100

91 231.6 176.2 264.2

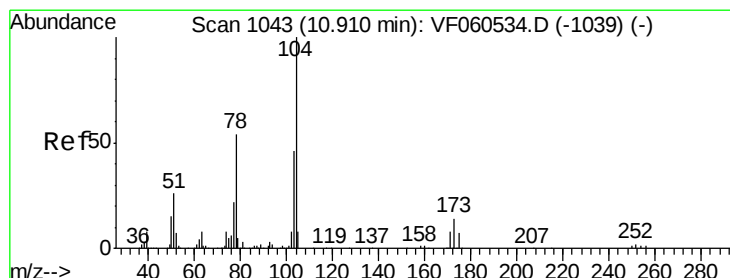
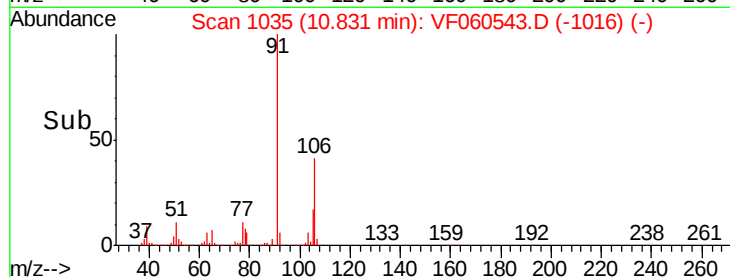
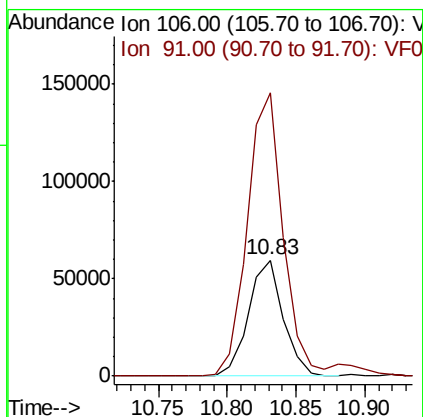
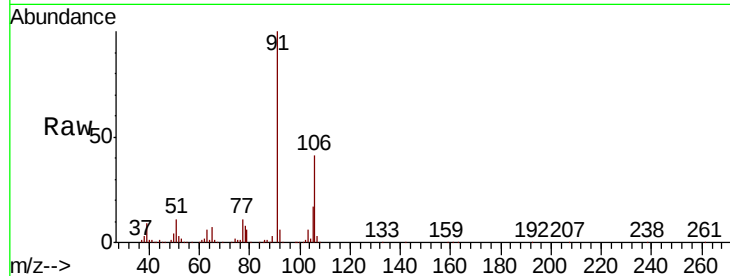




#69
o-Xylene
Concen: 21.243 ug/l
RT: 10.83 min Scan# 1035
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

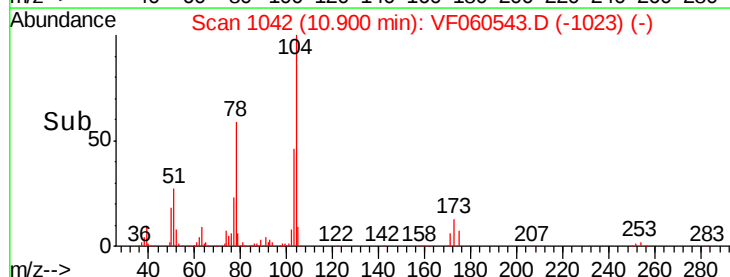
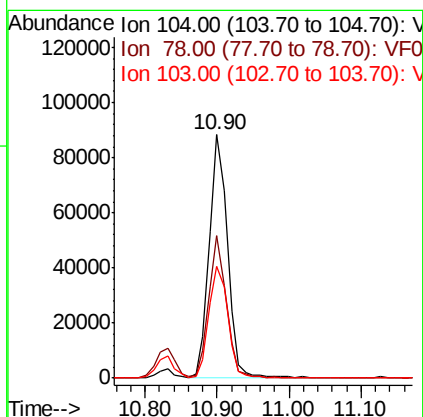
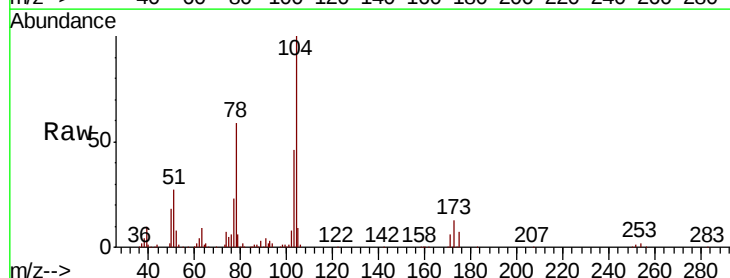
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBSD01

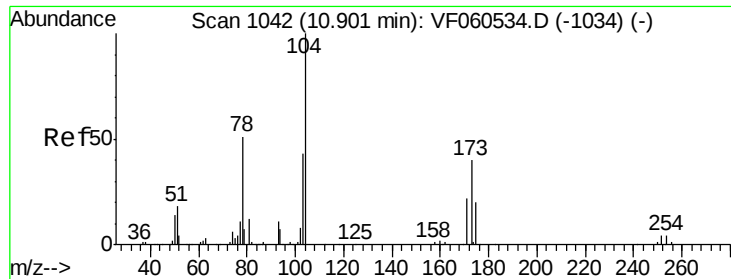
Tot Ion:106 Resp: 105481
Ion Ratio Lower Upper
106 100
91 244.2 112.9 338.8



#70
Styrene
Concen: 22.136 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Tgt Ion:104 Resp: 154965
Ion Ratio Lower Upper
104 100
78 58.8 43.4 65.2
103 45.8 36.9 55.3





#71

Bromoform

Concen: 22.063 ug/l

RT: 10.89 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

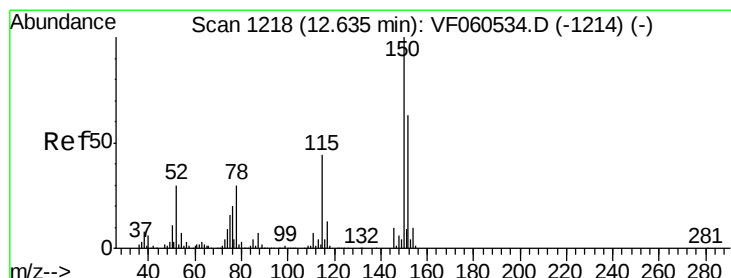
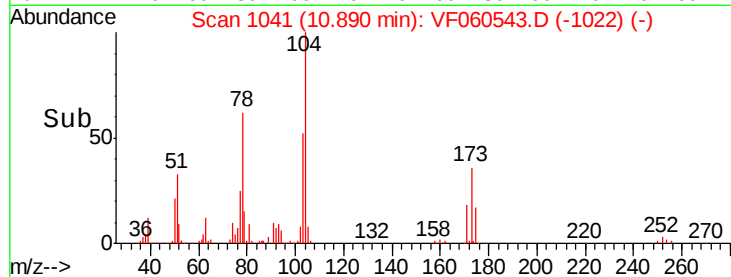
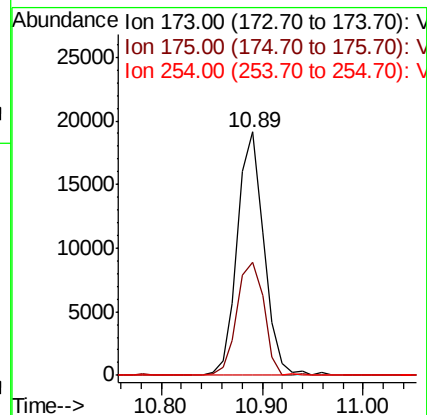
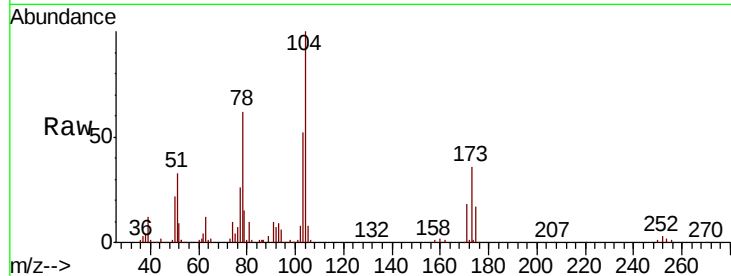
Tot Ion:173 Resp: 35038

Ion Ratio Lower Upper

173 100

175 47.0 25.7 77.0

254 0.0 7.8 11.6#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

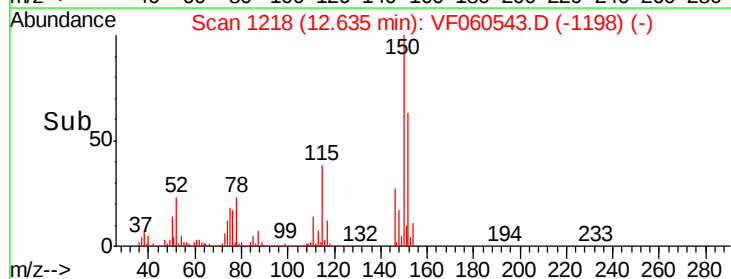
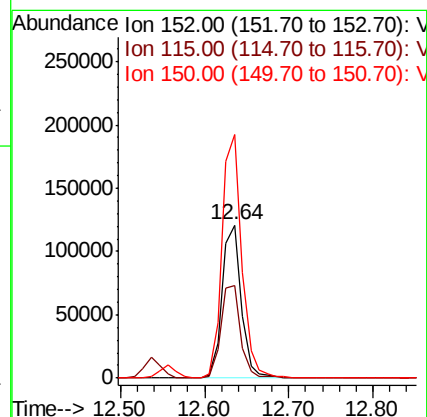
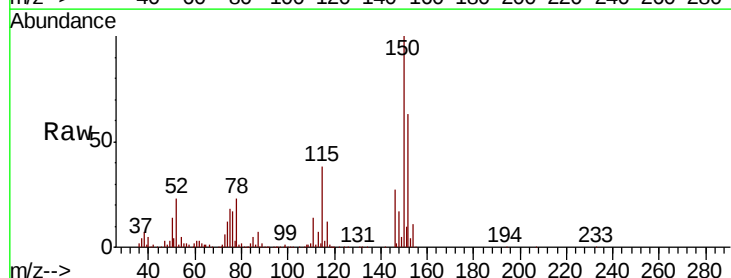
Tgt Ion:152 Resp: 192014

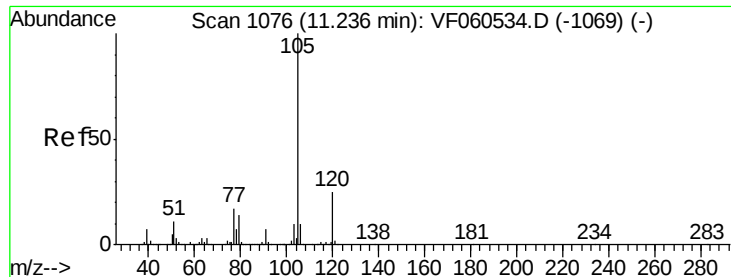
Ion Ratio Lower Upper

152 100

115 60.9 34.7 104.1

150 159.2 0.0 318.4





#73

Isopropylbenzene

Concen: 21.708 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

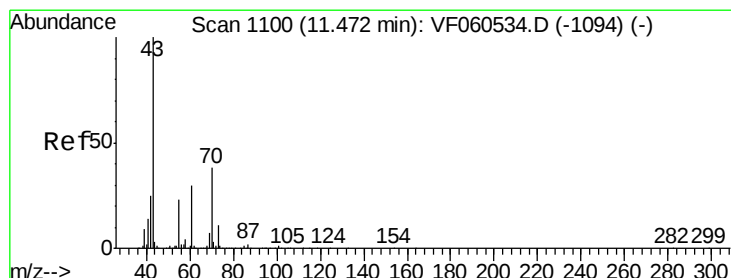
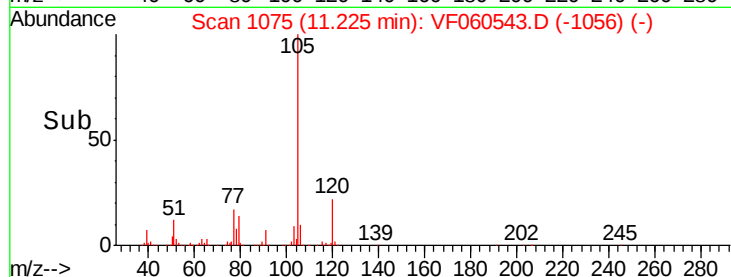
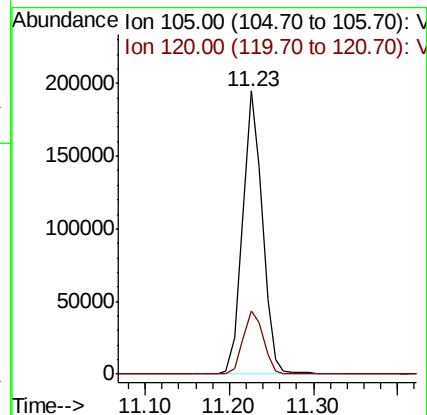
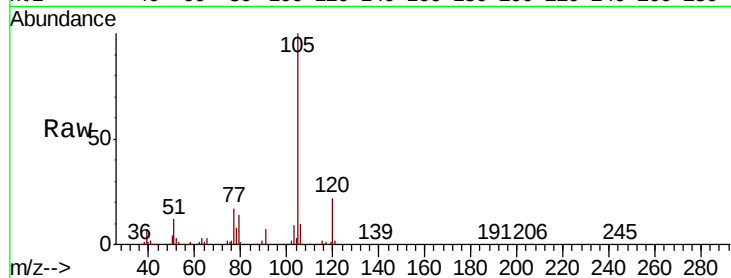
VF1030SBS01

Tot Ion:105 Resp: 318631

Ion Ratio Lower Upper

105 100

120 22.3 12.3 36.8



#74

N-ethyl acetate

Concen: 24.623 ug/l

RT: 11.46 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Tgt Ion: 43 Resp: 72376

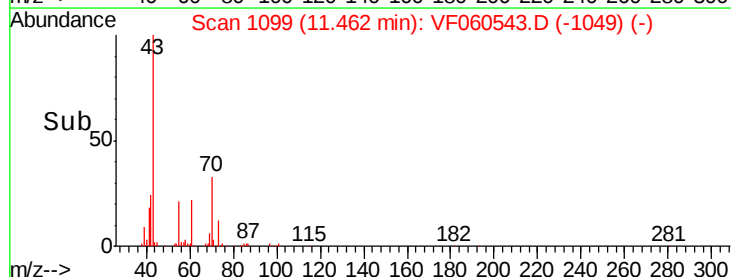
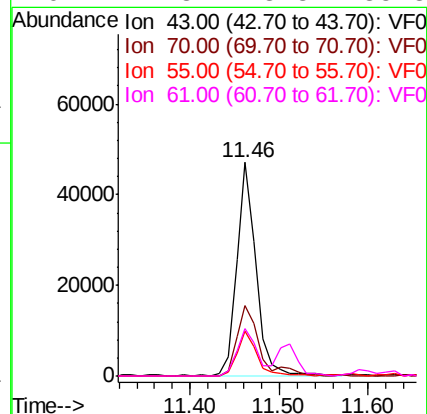
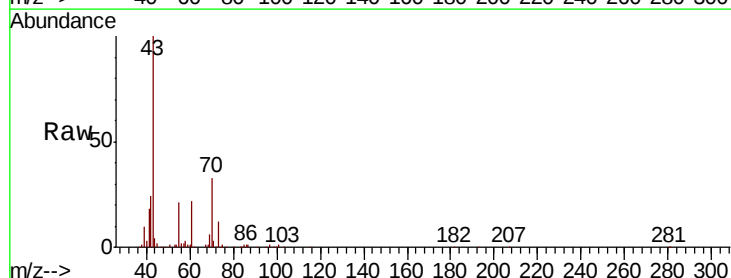
Ion Ratio Lower Upper

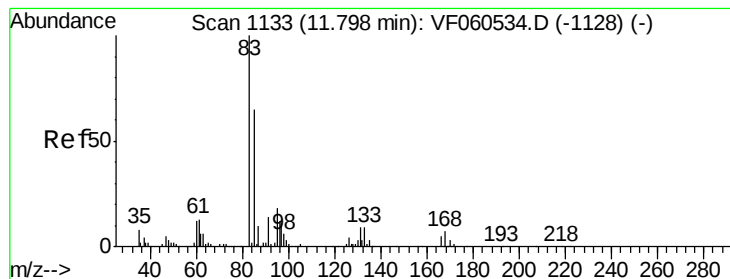
43 100

70 32.8 30.8 46.2

55 20.8 18.2 27.4

61 22.3 23.8 35.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 20.044 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

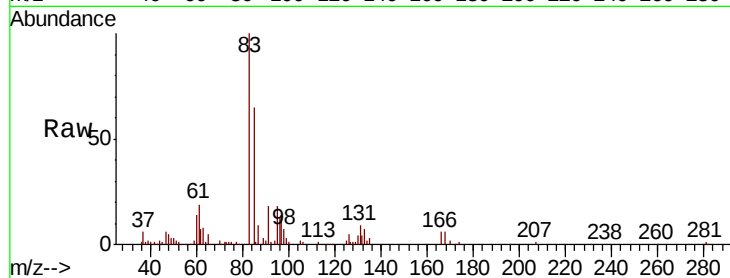
Tot Ion: 83 Resp: 49093

Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.0

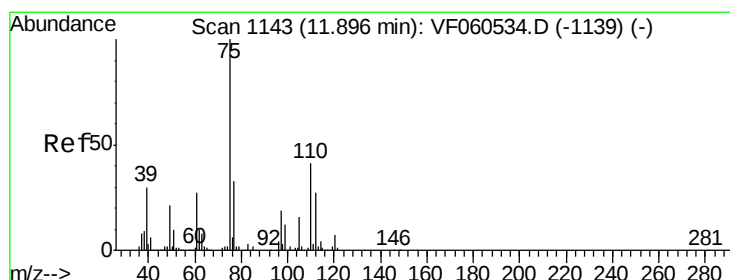
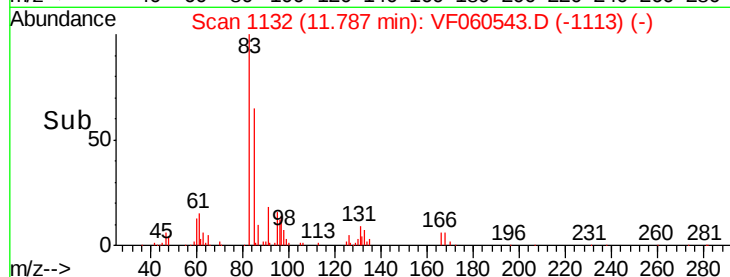
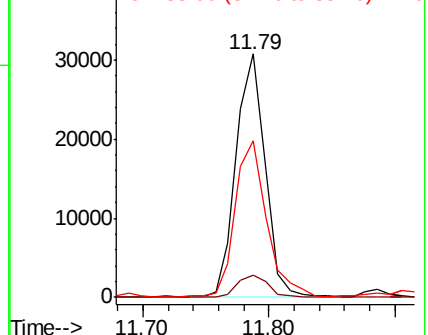
85 64.5 32.4 97.0



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: 22.543 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF060543.D

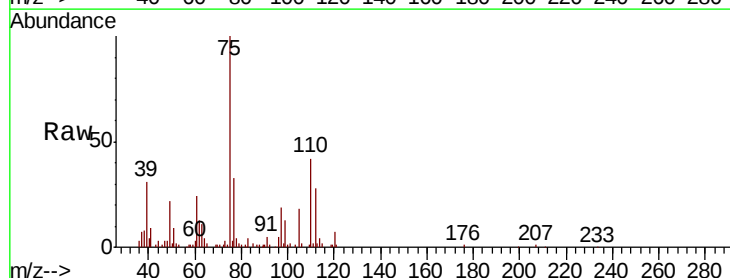
Acq: 30 Oct 2018 13:57

Tgt Ion: 75 Resp: 41535

Ion Ratio Lower Upper

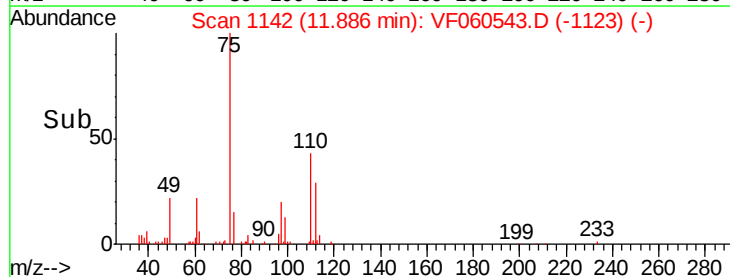
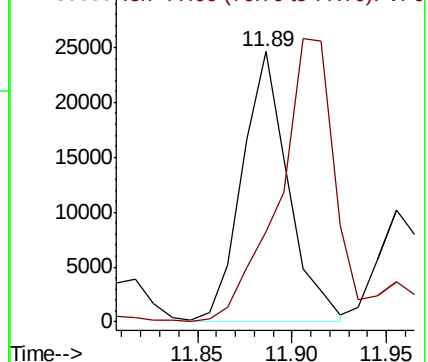
75 100

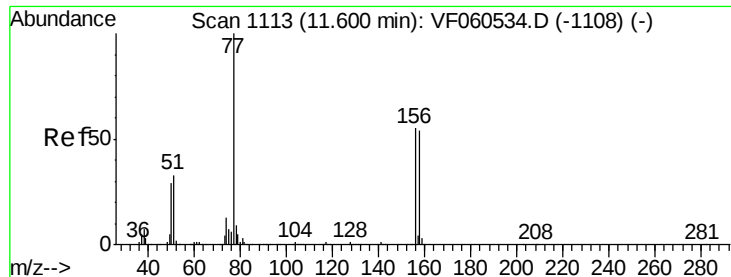
77 33.3 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 22.212 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

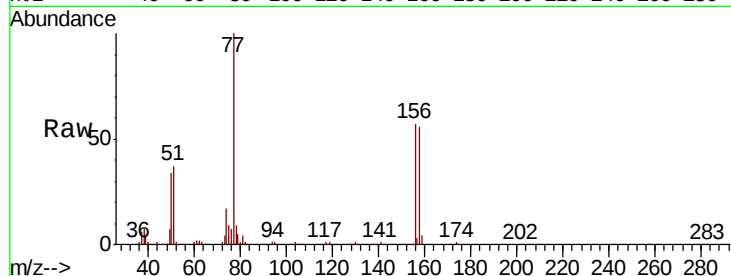
Tot Ion:156 Resp: 71731

Ion Ratio Lower Upper

156 100

77 176.5 91.3 274.1

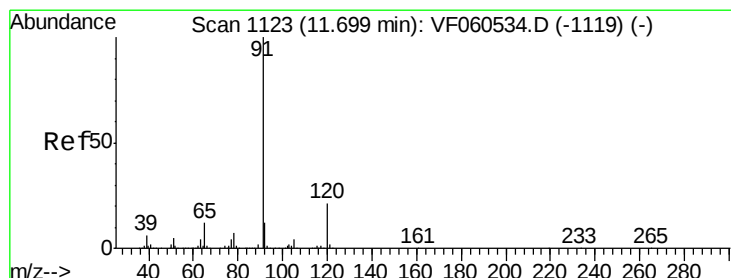
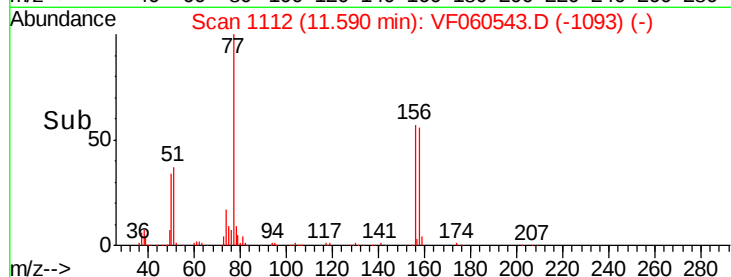
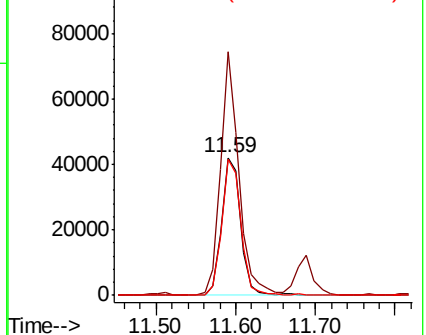
158 98.8 49.3 147.9



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: 23.237 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060543.D

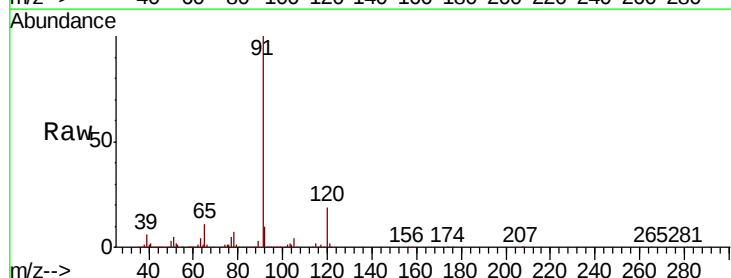
Acq: 30 Oct 2018 13:57

Tgt Ion: 91 Resp: 404551

Ion Ratio Lower Upper

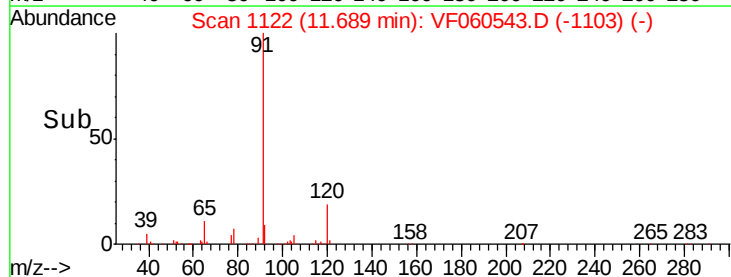
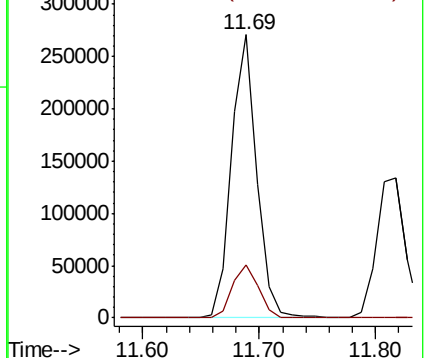
91 100

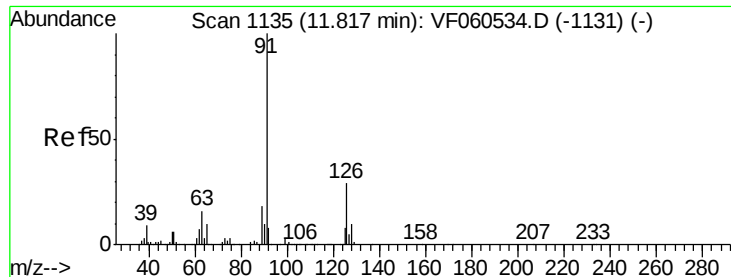
120 18.9 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.793 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

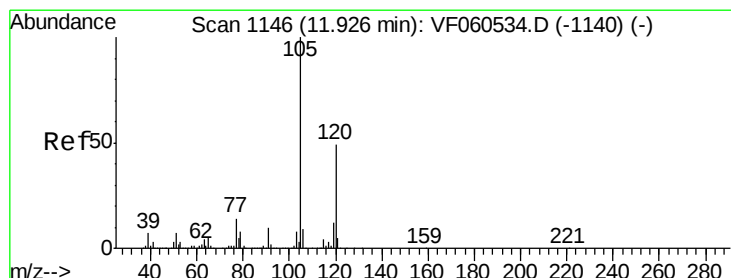
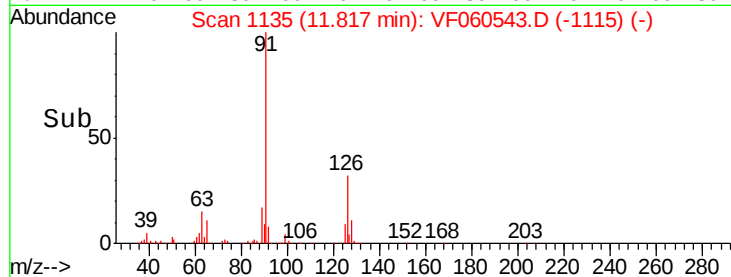
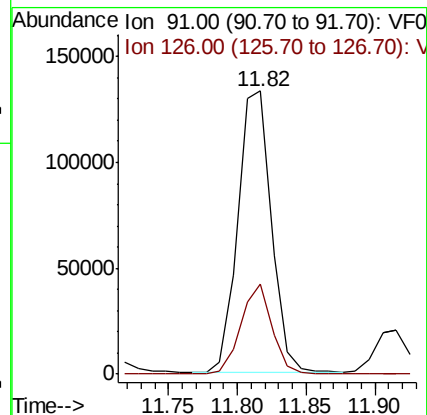
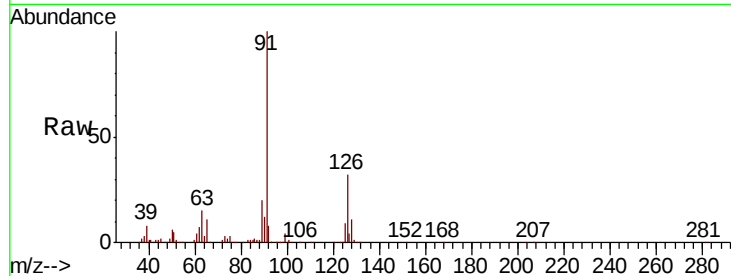
VF1030SBSD01

Tot Ion: 91 Resp: 227081

Ion Ratio Lower Upper

91 100

126 31.9 14.2 42.8



#80

1,3,5-Trimethylbenzene

Concen: 22.615 ug/l

RT: 11.92 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VF060543.D

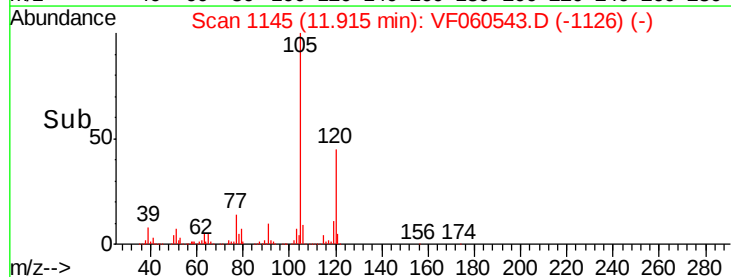
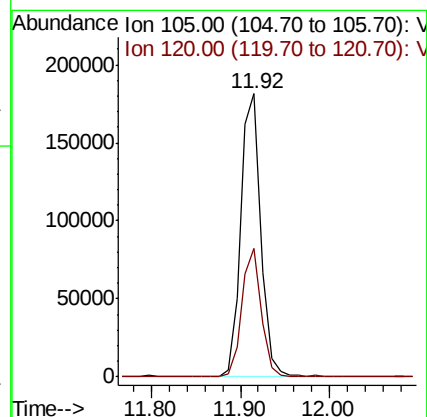
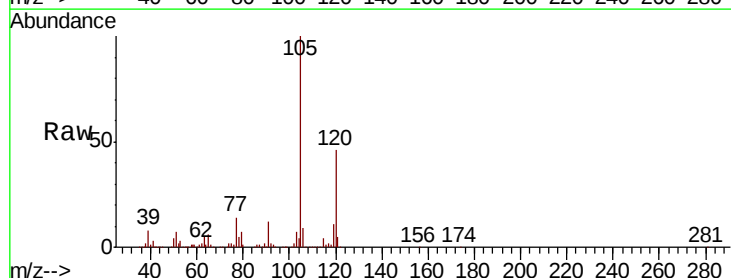
Acq: 30 Oct 2018 13:57

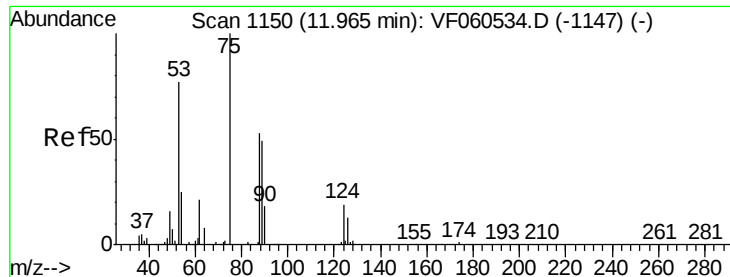
Tgt Ion: 105 Resp: 286816

Ion Ratio Lower Upper

105 100

120 45.5 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 32.152 ug/l

RT: 11.95 min Scan# 1149

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBSD01

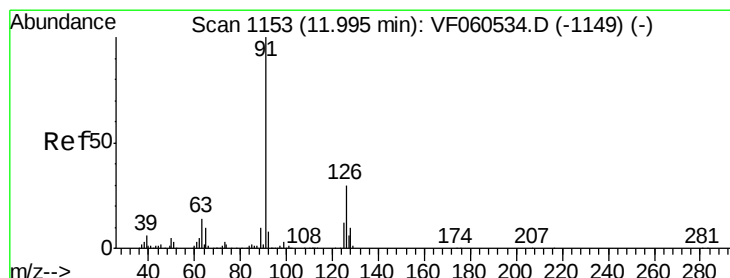
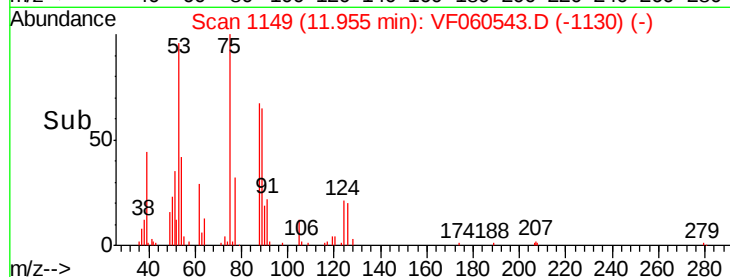
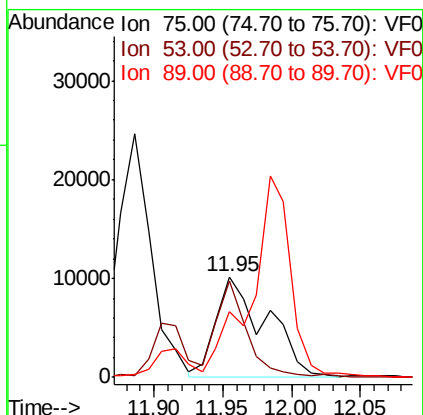
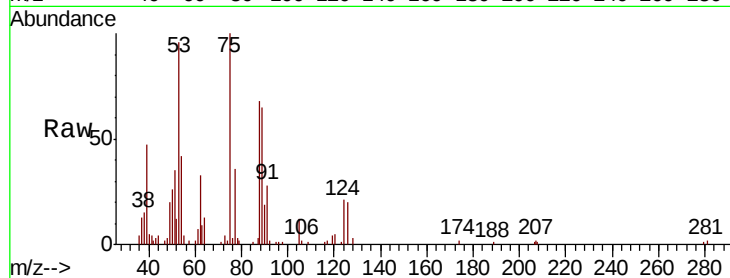
Tot Ion: 75 Resp: 25875

Ion Ratio Lower Upper

75 100

53 95.6 65.8 98.6

89 65.4 44.0 66.0



#82

4-Chlorotoluene

Concen: 23.027 ug/l

RT: 11.98 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF060543.D

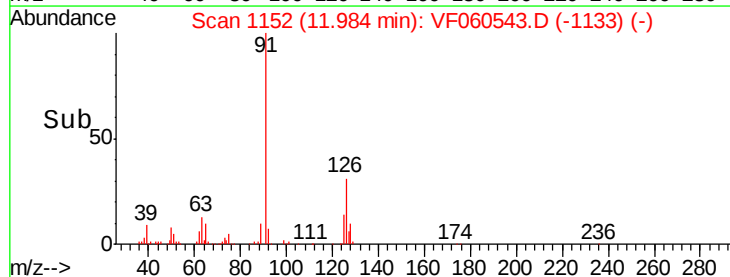
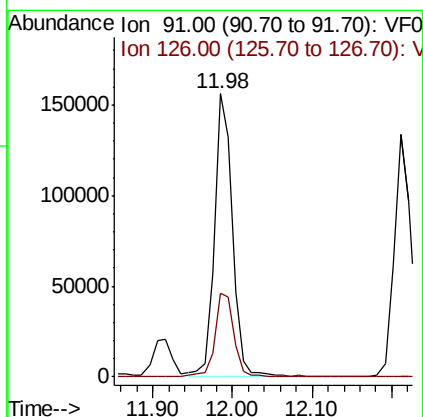
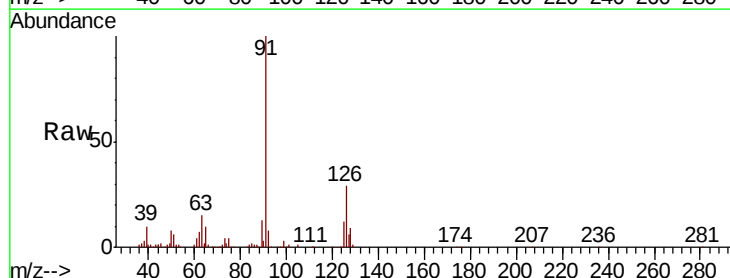
Acq: 30 Oct 2018 13:57

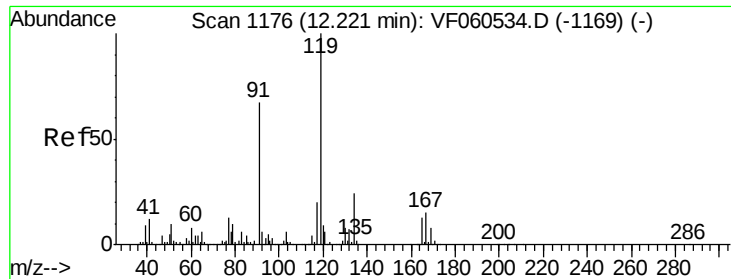
Tgt Ion: 91 Resp: 248771

Ion Ratio Lower Upper

91 100

126 29.5 15.1 45.3

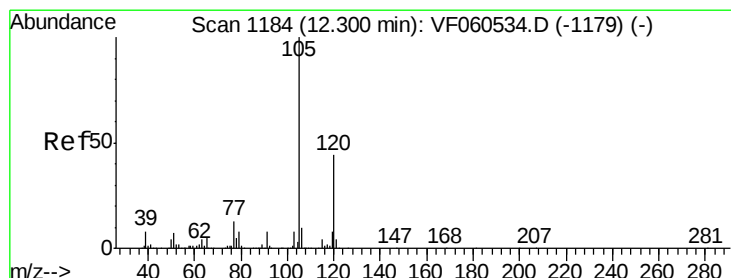
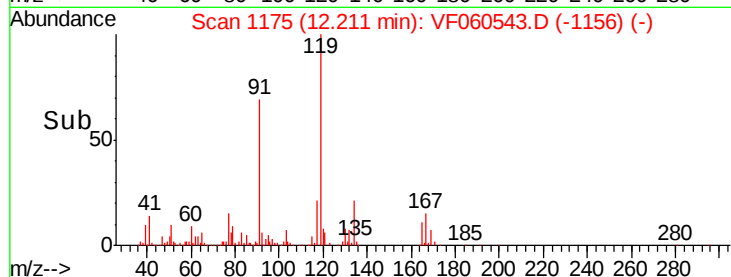
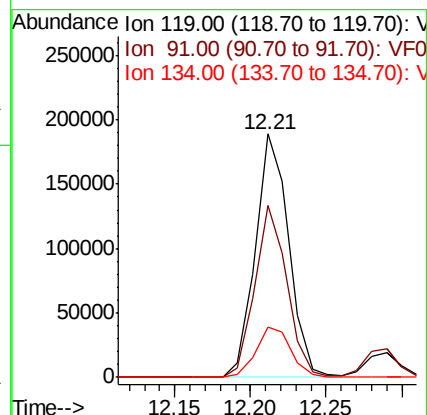
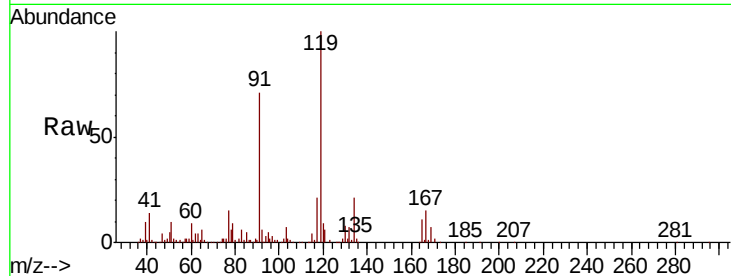




#83
 tert-Butylbenzene
 Concen: 23.626 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

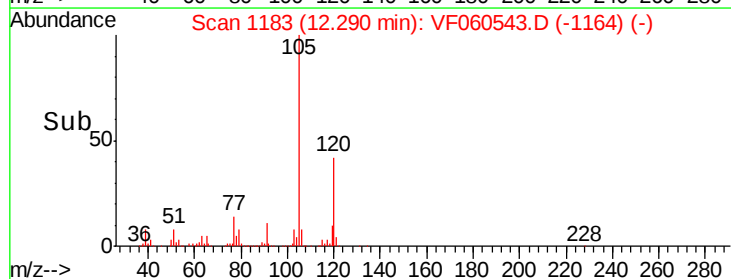
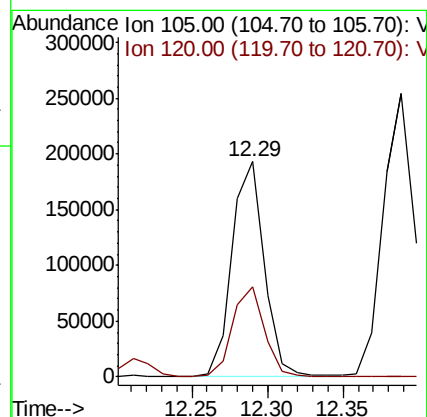
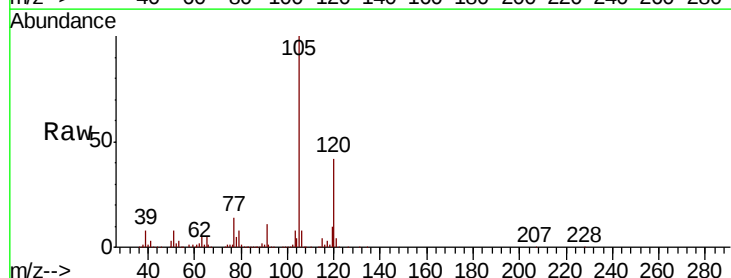
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

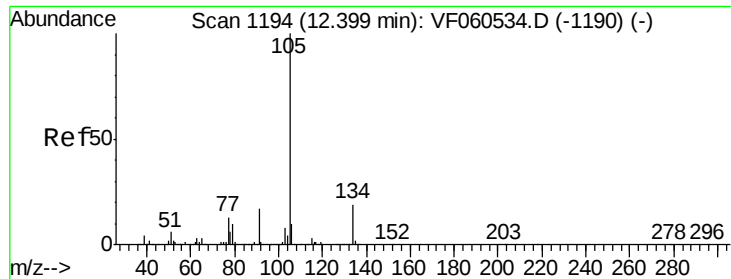
Tot Ion:119 Resp: 290373
 Ion Ratio Lower Upper
 119 100
 91 70.6 33.6 100.8
 134 20.8 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 22.298 ug/l
 RT: 12.29 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

Tgt Ion:105 Resp: 287251
 Ion Ratio Lower Upper
 105 100
 120 42.0 22.0 66.0





#85

sec-Butylbenzene

Concen: 21.585 ug/l

RT: 12.39 min Scan# 1193

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

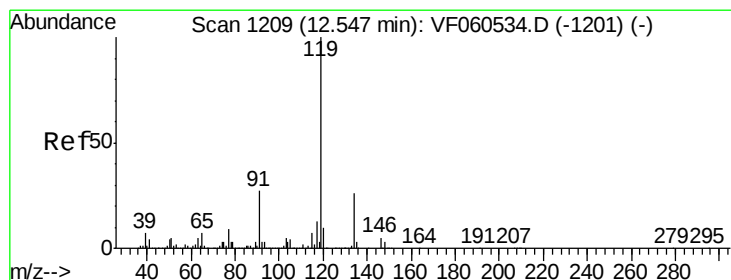
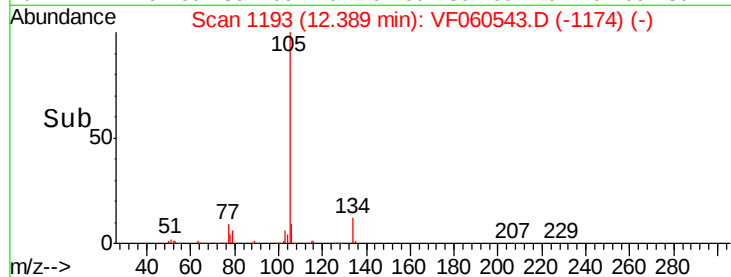
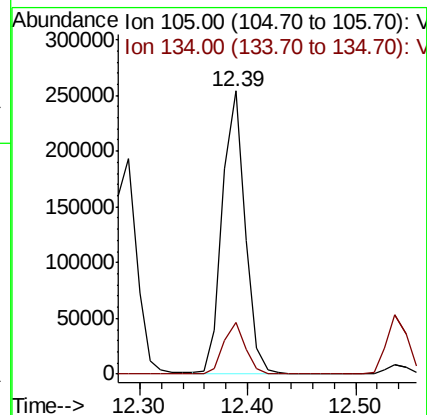
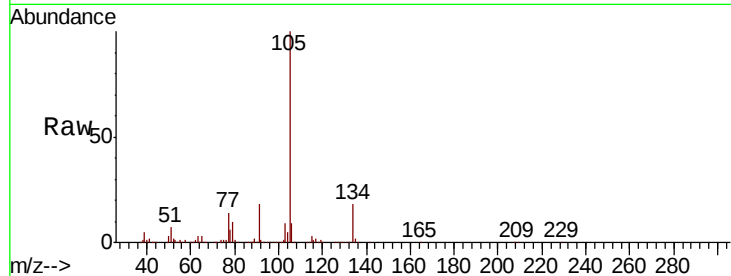
VF1030SBS01

Tot Ion:105 Resp: 371781

Ion Ratio Lower Upper

105 100

134 18.2 9.6 28.6



#86

p-Isopropyltoluene

Concen: 22.428 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

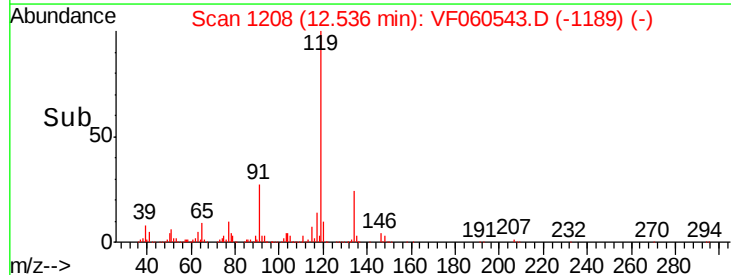
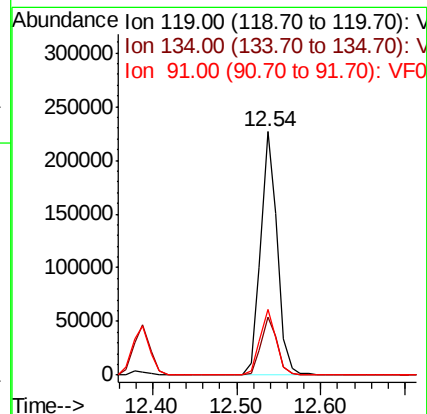
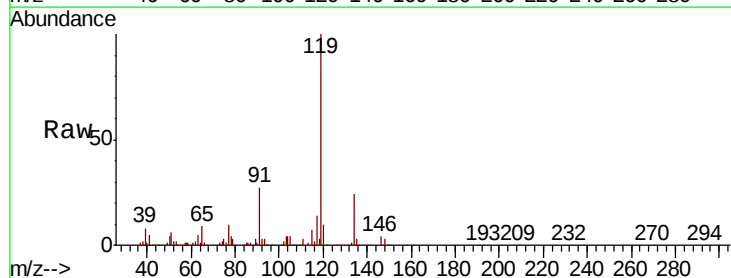
Tgt Ion:119 Resp: 317050

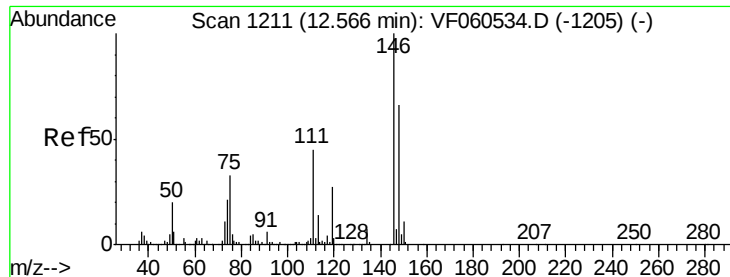
Ion Ratio Lower Upper

119 100

134 23.6 13.1 39.1

91 26.9 13.5 40.4

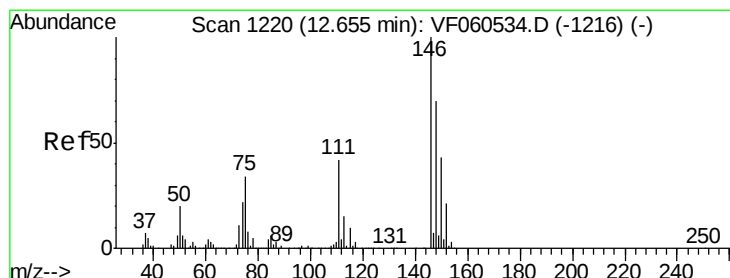
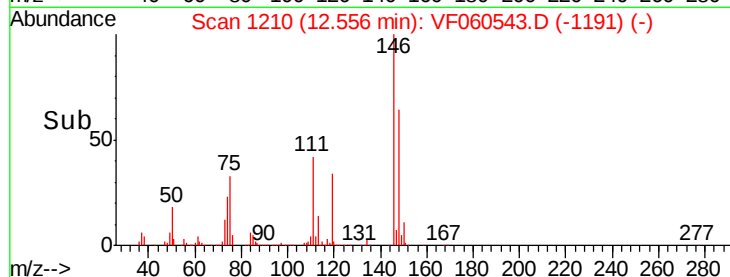
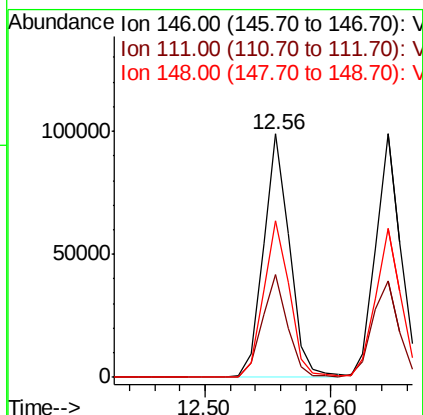
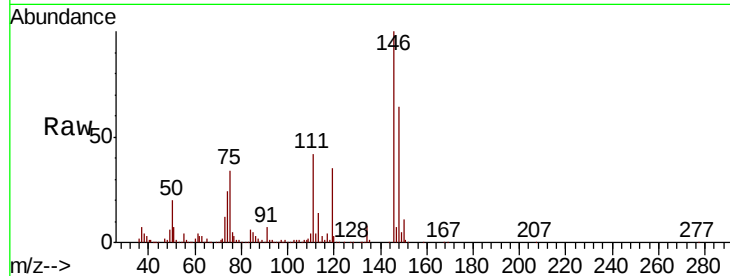




#87
 1,3-Dichlorobenzene
 Concen: 22.031 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

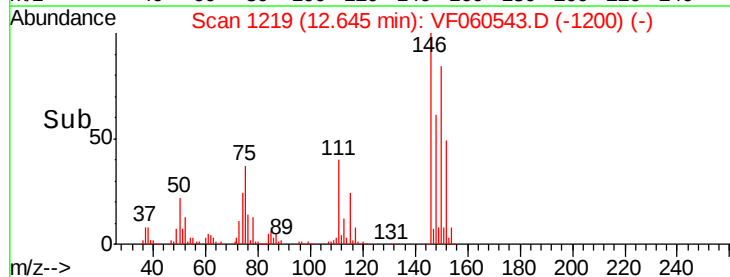
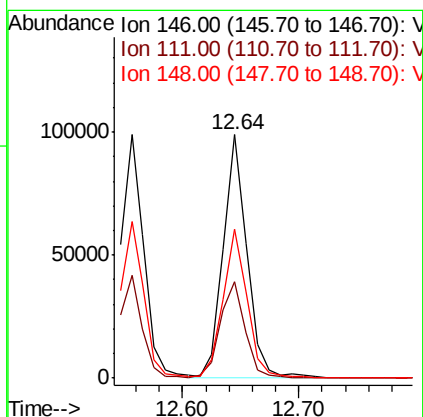
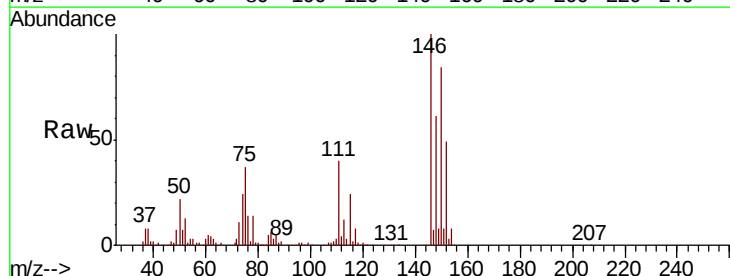
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

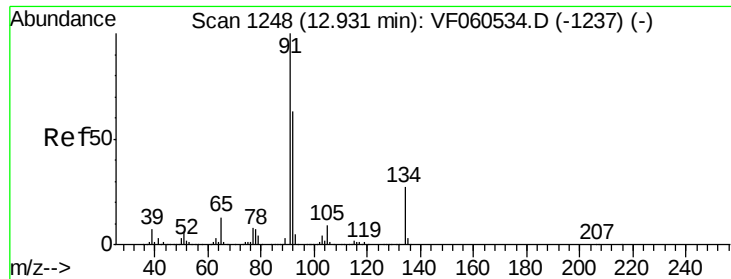
Tot Ion:146 Resp: 142022
 Ion Ratio Lower Upper
 146 100
 111 42.4 22.6 67.7
 148 64.1 33.1 99.3



#88
 1,4-Dichlorobenzene
 Concen: 22.978 ug/l
 RT: 12.64 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF060543.D
 Acq: 30 Oct 2018 13:57

Tgt Ion:146 Resp: 139797
 Ion Ratio Lower Upper
 146 100
 111 39.7 21.2 63.6
 148 61.4 35.1 105.5





#89

n-Butylbenzene

Concen: 21.373 ug/l

RT: 12.92 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

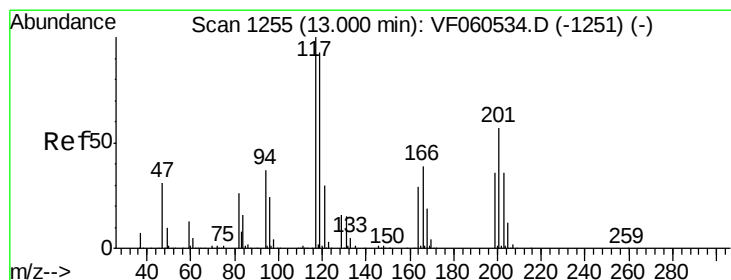
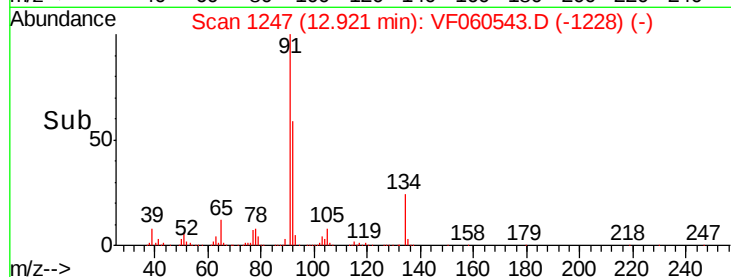
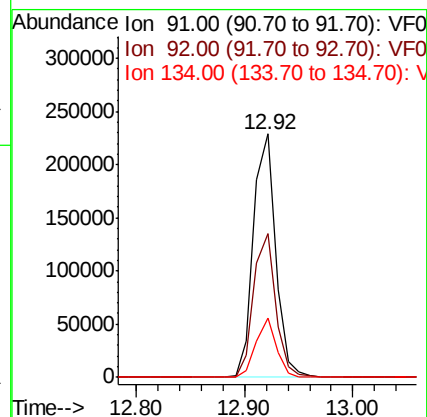
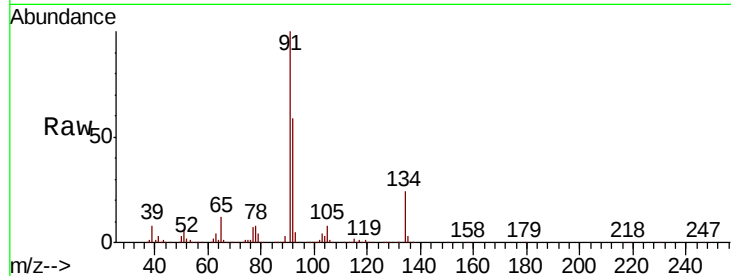
Tot Ion: 91 Resp: 329614

Ion Ratio Lower Upper

91 100

92 59.0 31.3 93.9

134 24.5 13.3 39.8



#90

Hexachloroethane

Concen: 21.497 ug/l

RT: 12.99 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VF060543.D

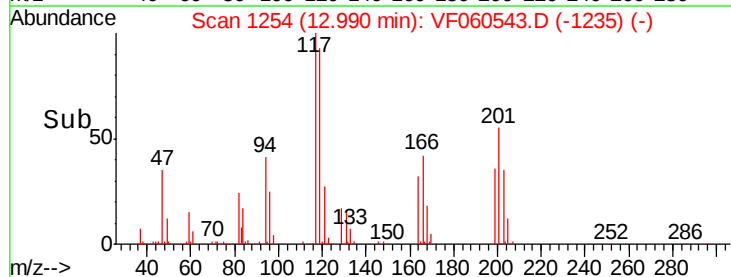
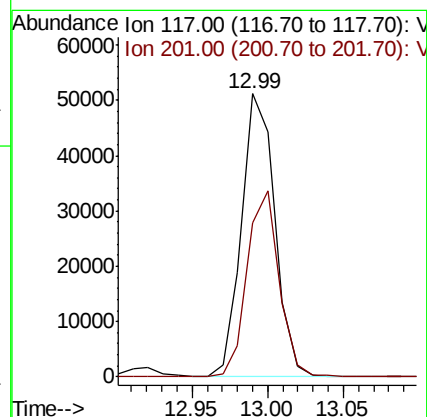
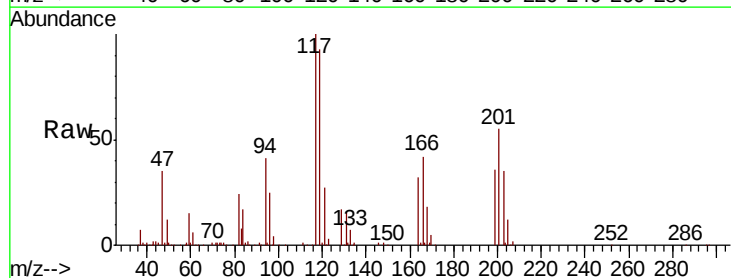
Acq: 30 Oct 2018 13:57

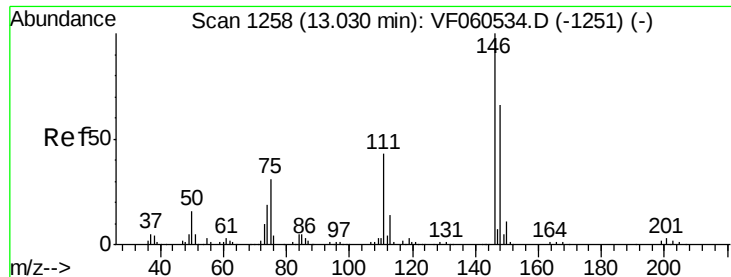
Tgt Ion: 117 Resp: 78439

Ion Ratio Lower Upper

117 100

201 54.7 28.2 84.7





#91

1,2-Dichlorobenzene

Concen: 22.003 ug/l

RT: 13.02 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBSD01

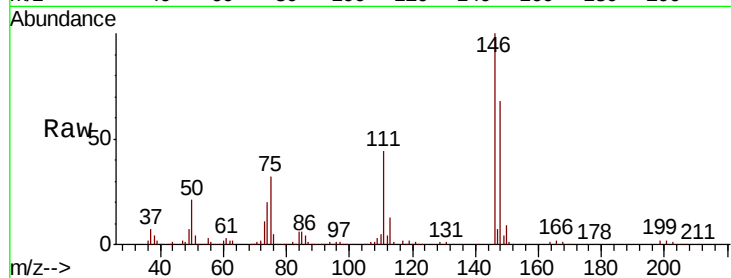
Tot Ion:146 Resp: 133632

Ion Ratio Lower Upper

146 100

111 44.1 21.5 64.5

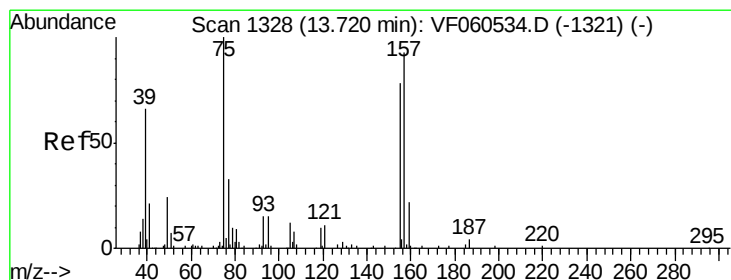
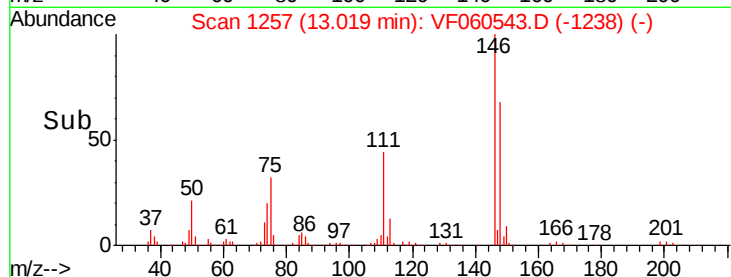
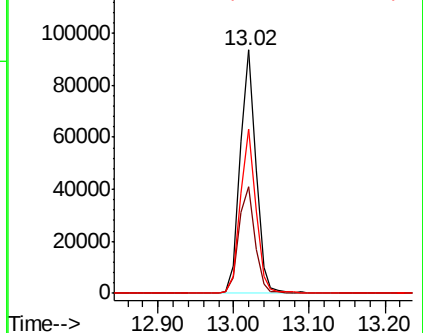
148 67.7 33.1 99.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.569 ug/l

RT: 13.71 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VF060543.D

Acq: 30 Oct 2018 13:57

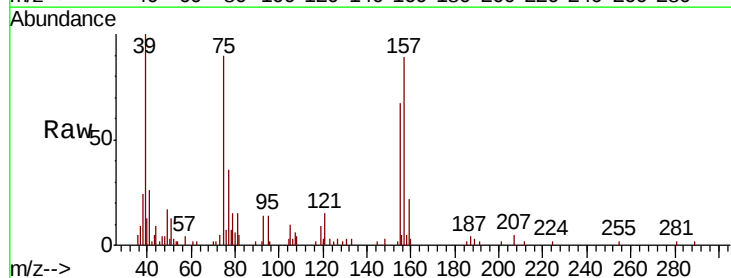
Tgt Ion: 75 Resp: 9430

Ion Ratio Lower Upper

75 100

155 80.3 40.8 122.5

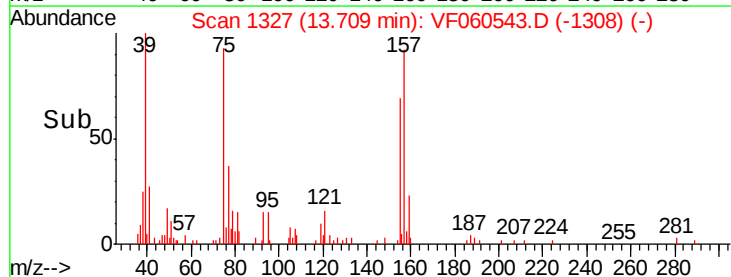
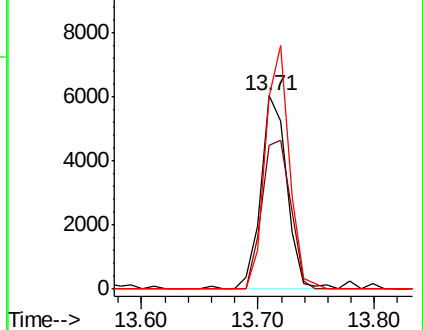
157 105.7 46.5 139.5

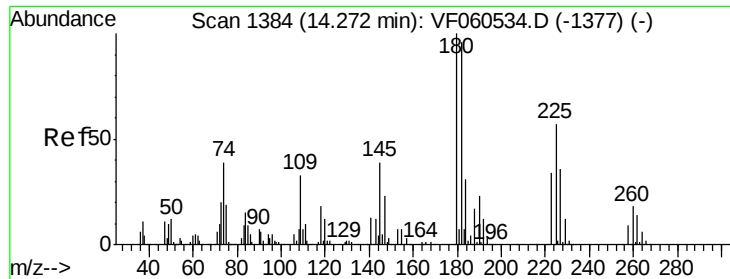


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

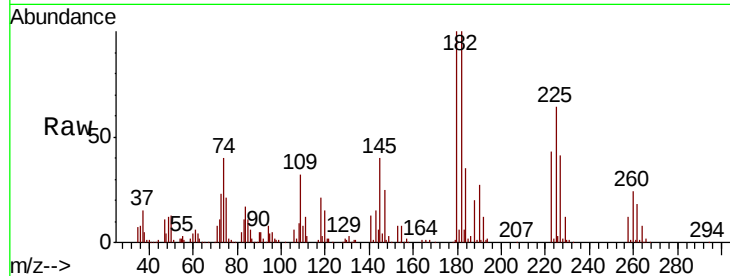




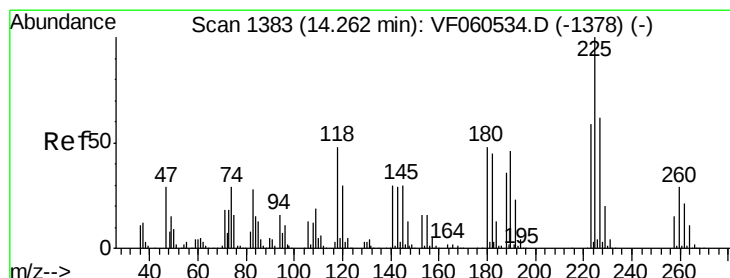
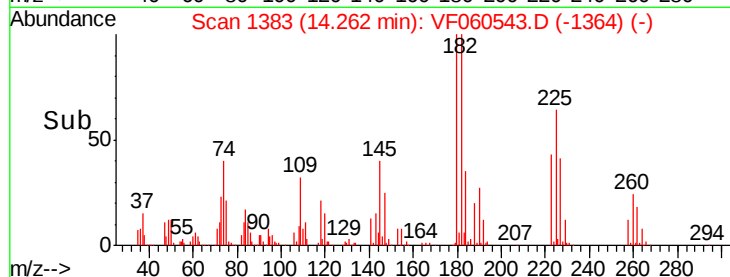
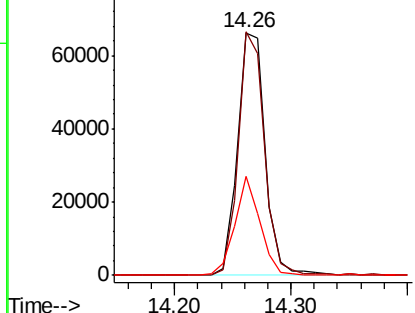
#93
1,2,4-Trichlorobenzene
Concen: 23.753 ug/l
RT: 14.26 min Scan# 1383
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tot Ion:180 Resp: 108053
Ion Ratio Lower Upper
180 100
182 100.5 48.1 144.3
145 40.7 19.5 58.5

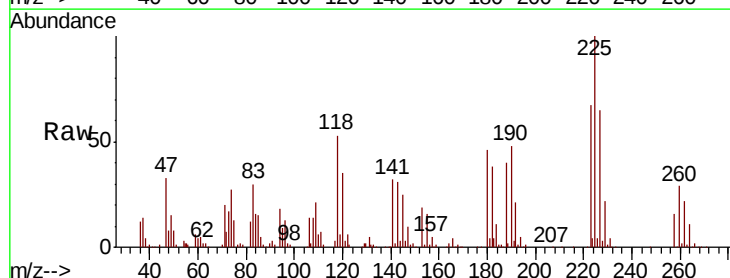


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

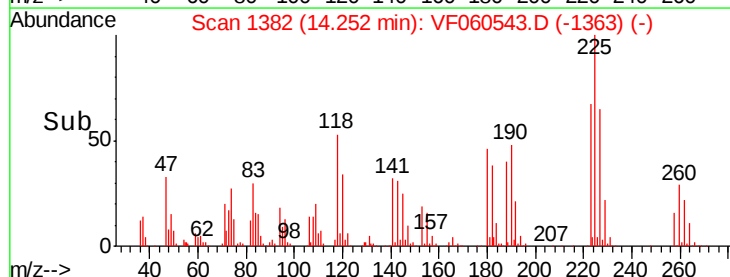
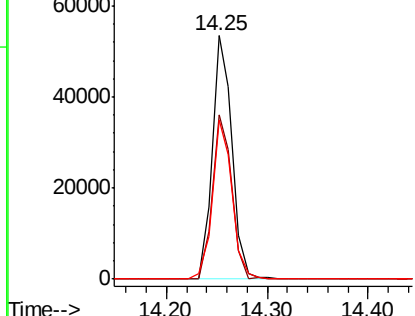


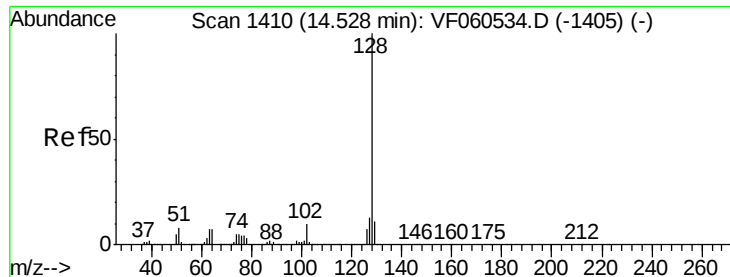
#94
Hexachlorobutadiene
Concen: 22.771 ug/l
RT: 14.25 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Tgt Ion:225 Resp: 73342
Ion Ratio Lower Upper
225 100
223 67.3 29.5 88.5
227 65.2 31.3 93.8



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

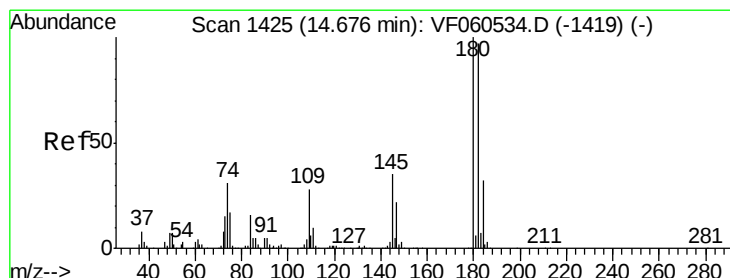
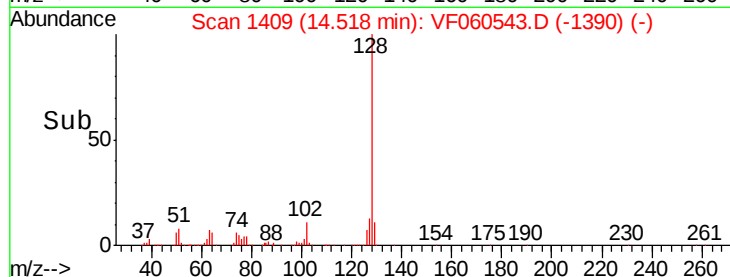
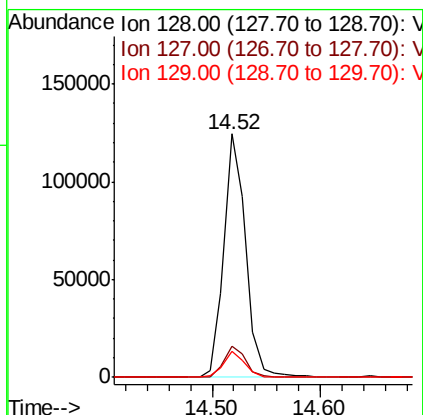
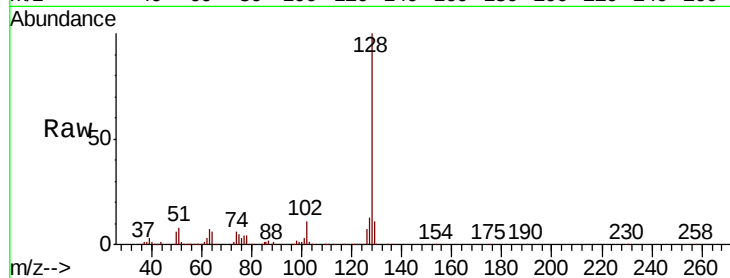




#95
Naphthalene
Concen: 21.806 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tot Ion:128 Resp: 175468
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.5 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 22.376 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. -0.01 min
Lab File: VF060543.D
Acq: 30 Oct 2018 13:57

Tgt Ion:180 Resp: 96889
Ion Ratio Lower Upper
180 100
182 95.4 48.7 146.1
145 34.4 17.3 52.0

