

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF103018\
 Data File : VF060542.D
 Acq On : 30 Oct 2018 13:29
 Operator : VA/AP
 Sample : VF1030SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Quant Time: Oct 31 04:48:48 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	242573	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	388324	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	313453	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	185800	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	220456	58.92	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	117.84%	
35) Dibromofluoromethane	4.29	113	207701	55.74	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	111.48%	
50) Toluene-d8	7.71	98	460944	50.65	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	101.30%	
62) 4-Bromofluorobenzene	11.50	95	199702	47.63	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	95.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	125294	28.449	ug/l	95
3) Chloromethane	1.14	50	68937	26.106	ug/l	98
4) Vinyl Chloride	1.19	62	72495	24.927	ug/l	97
5) Bromomethane	1.36	94	61939	27.099	ug/l	94
6) Chloroethane	1.43	64	39182	25.875	ug/l	99
7) Trichlorofluoromethane	1.56	101	179215	25.577	ug/l	97
8) Diethyl Ether	1.70	74	21662	24.650	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.90	101	84447	26.771	ug/l	93
10) Methyl Iodide	1.97	142	95951	18.104	ug/l	98
11) Tert butyl alcohol	2.68	59	22362	152.369	ug/l	96
12) 1,1-Dichloroethene	1.86	96	66316	24.327	ug/l	96
13) Acrolein	2.09	56	18172	132.361	ug/l #	82
14) Allyl chloride	2.19	41	104223	24.045	ug/l	91
15) Acrylonitrile	3.06	53	38256	102.251	ug/l	94
16) Acetone	2.34	43	119902	163.283	ug/l	94
17) Carbon Disulfide	1.90	76	189570	24.743	ug/l #	85
18) Methyl Acetate	2.44	43	27004	25.082	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	146965	24.061	ug/l	93
20) Methylene Chloride	2.28	84	28133	10.625	ug/l	95
21) trans-1,2-Dichloroethene	2.41	96	67924	24.362	ug/l	89
22) Diisopropyl ether	2.93	45	192055	24.393	ug/l	97
23) Vinyl Acetate	3.33	43	335359	114.826	ug/l	100
24) 1,1-Dichloroethane	3.01	63	134420	23.659	ug/l	99
25) 2-Butanone	4.50	43	112822	114.193	ug/l	94
26) 2,2-Dichloropropane	3.75	77	85459	24.204	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	65864	19.591	ug/l	86
28) Bromochloromethane	3.88	49	39247	19.178	ug/l	86
29) Tetrahydrofuran	4.25	42	36955	110.493	ug/l	94
30) Chloroform	4.03	83	168410	23.471	ug/l	95
31) Cyclohexane	3.87	56	90329	22.267	ug/l	91
32) 1,1,1-Trichloroethane	4.27	97	140097	23.617	ug/l	97
36) 1,1-Dichloropropene	4.45	75	110143	22.765	ug/l	93
37) Ethyl Acetate	4.29	43	36775	23.478	ug/l #	89
38) Carbon Tetrachloride	4.17	117	133247	23.001	ug/l	99

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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)
39) Methylcyclohexane	5.62	83	102144	20.905	ug/l	94
40) Benzene	4.81	78	201648	21.014	ug/l	95
41) Methacrylonitrile	4.92	41	18649	20.829	ug/l #	80
42) 1,2-Dichloroethane	5.12	62	102068	22.906	ug/l	91
43) Isopropyl Acetate	7.11	43	34903	18.409	ug/l #	98
44) Trichloroethene	5.67	130	64524	20.801	ug/l	99
45) 1,2-Dichloropropane	6.40	63	47427	19.805	ug/l	97
46) Dibromomethane	6.25	93	39953	21.246	ug/l	97
47) Bromodichloromethane	6.54	83	108450	22.476	ug/l	98
48) Methyl methacrylate	6.87	41	29304	22.408	ug/l #	83
49) 1,4-Dioxane	6.87	88	3701	304.231	ug/l #	59
51) 4-Methyl-2-Pentanone	8.40	43	136655	99.506	ug/l	93
52) Toluene	7.78	92	115609	18.558	ug/l	87
53) t-1,3-Dichloropropene	8.43	75	78636	20.862	ug/l	93
54) cis-1,3-Dichloropropene	7.45	75	92825	20.780	ug/l	92
55) 1,1,2-Trichloroethane	8.63	97	34632	18.554	ug/l	90
56) Ethyl methacrylate	8.75	69	39330	18.778	ug/l	90
57) 1,3-Dichloropropane	9.00	76	62746	19.864	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	23339	108.120	ug/l	100
59) 2-Hexanone	9.63	43	102646	97.433	ug/l	97
60) Dibromochloromethane	8.86	129	65128	21.659	ug/l	98
61) 1,2-Dibromoethane	9.14	107	43122	19.953	ug/l	94
64) Tetrachloroethene	8.30	164	55692	21.019	ug/l	95
65) Chlorobenzene	9.94	112	138503	21.962	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	63270	22.017	ug/l	93
67) Ethyl Benzene	10.03	91	261637	21.713	ug/l	97
68) m/p-Xylenes	10.26	106	180122	43.770	ug/l	88
69) o-Xylene	10.82	106	97407	21.018	ug/l	77
70) Styrene	10.90	104	140156	21.450	ug/l	98
71) Bromoform	10.88	173	31695	21.383	ug/l	94
73) Isopropylbenzene	11.23	105	330900	23.298	ug/l	99
74) N-amyl acetate	11.46	43	51372	18.061	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	50084	21.132	ug/l	93
76) 1,2,3-Trichloropropane	11.89	75	39098	21.930	ug/l	99
77) Bromobenzene	11.59	156	67620	21.639	ug/l	87
78) n-propylbenzene	11.69	91	366127	21.734	ug/l	100
79) 2-Chlorotoluene	11.81	91	225270	22.342	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	277222	22.590	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.96	75	22752	29.217	ug/l #	82
82) 4-Chlorotoluene	11.99	91	227226	21.736	ug/l	100
83) tert-Butylbenzene	12.21	119	276421	23.243	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	279575	22.428	ug/l	95
85) sec-Butylbenzene	12.39	105	379688	22.781	ug/l	99
86) p-Isopropyltoluene	12.54	119	314379	22.982	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	137399	22.027	ug/l	94
88) 1,4-Dichlorobenzene	12.65	146	128528	21.832	ug/l	96
89) n-Butylbenzene	12.92	91	337066	23.021	ug/l	94
90) Hexachloroethane	12.99	117	77056	21.825	ug/l	92
91) 1,2-Dichlorobenzene	13.02	146	127798	21.747	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	9711	19.762	ug/l	90

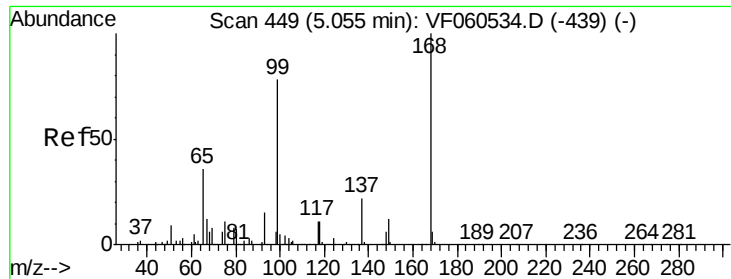
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF103018\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	97916	22.244	ug/l	98
94) Hexachlorobutadiene	14.25	225	72764	23.347	ug/l	98
95) Naphthalene	14.52	128	153134	19.666	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	92256	22.019	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 447

Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

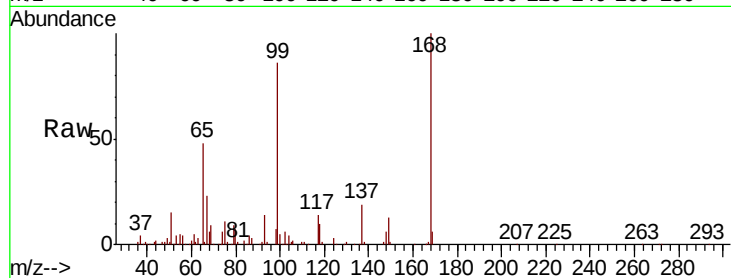
VF1030SBS01

Tot Ion:168 Resp: 242573

Ion Ratio Lower Upper

168 100

99 86.4 62.6 93.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

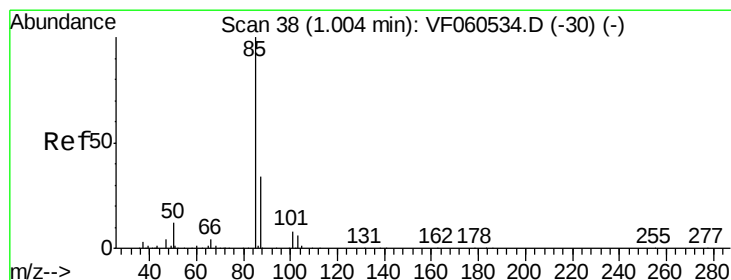
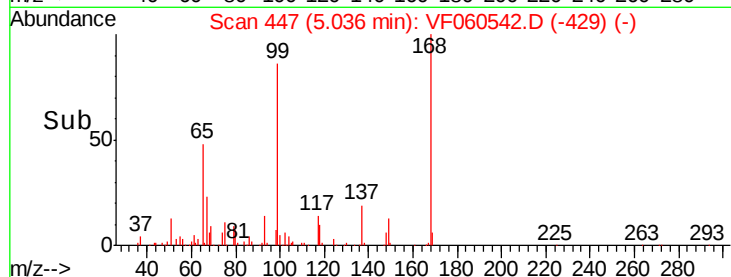
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 28.449 ug/l

RT: 1.00 min Scan# 38

Delta R.T. 0.00 min

Lab File: VF060542.D

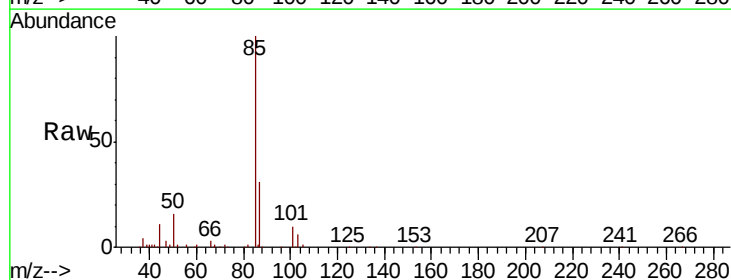
Acq: 30 Oct 2018 13:29

Tgt Ion: 85 Resp: 125294

Ion Ratio Lower Upper

85 100

87 30.9 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

40000

30000

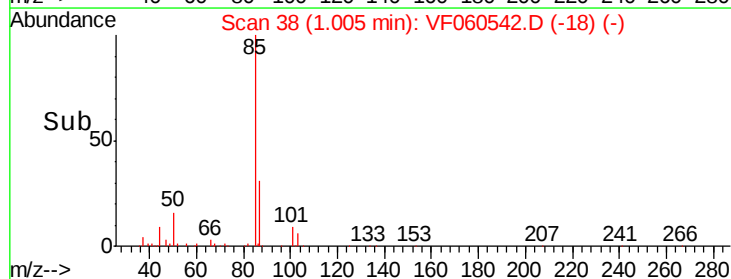
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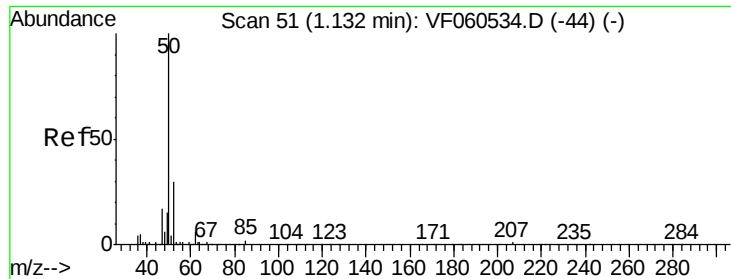
10000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 26.106 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

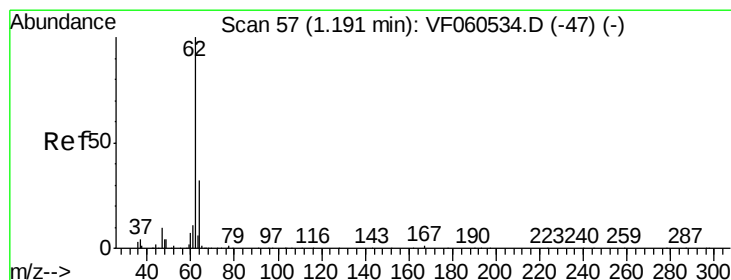
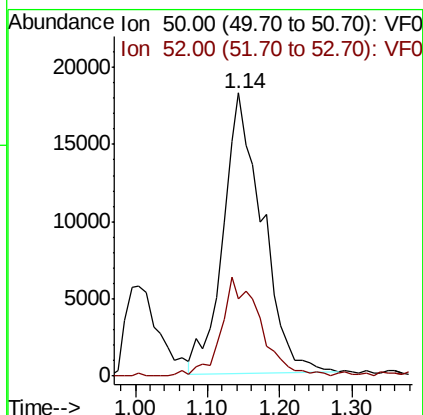
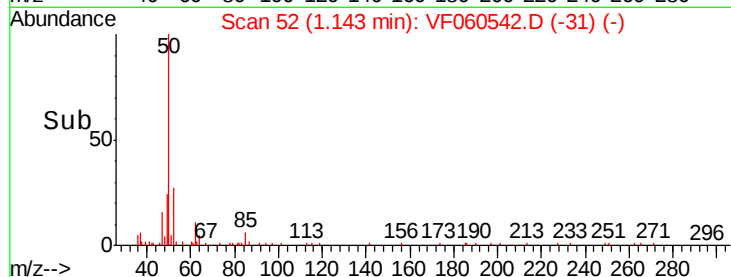
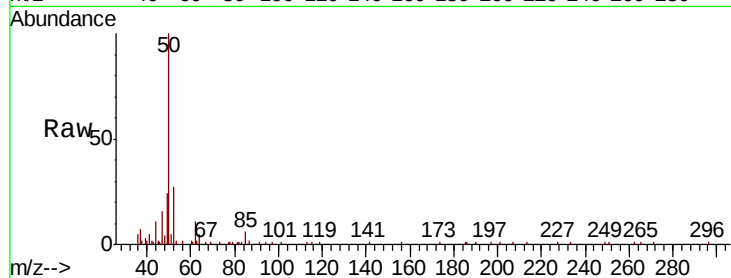
VF1030SBS01

Tot Ion: 50 Resp: 68937

Ion Ratio Lower Upper

50 100

52 27.4 22.8 34.2



#4

Vinyl Chloride

Concen: 24.927 ug/l

RT: 1.19 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF060542.D

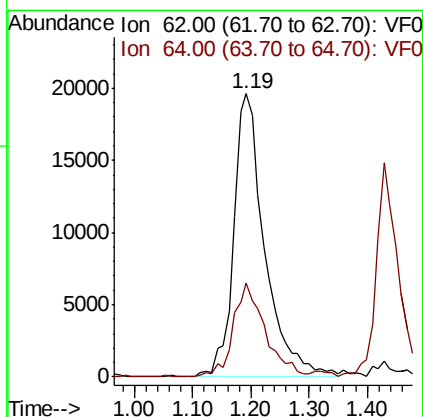
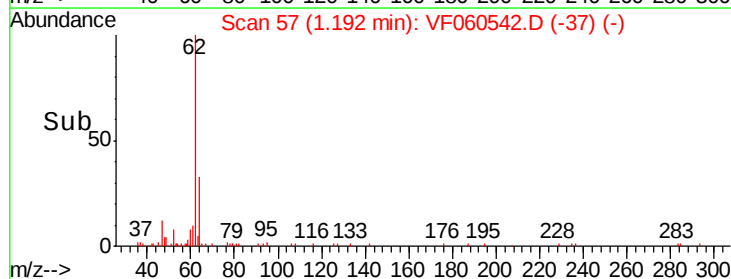
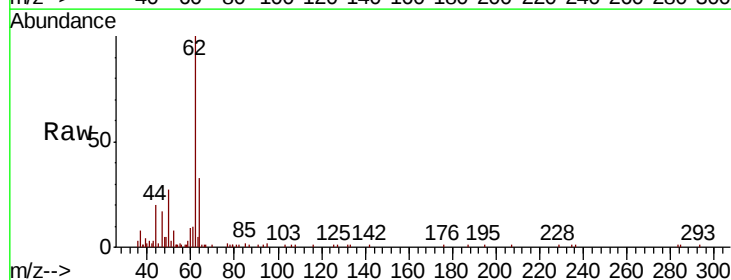
Acq: 30 Oct 2018 13:29

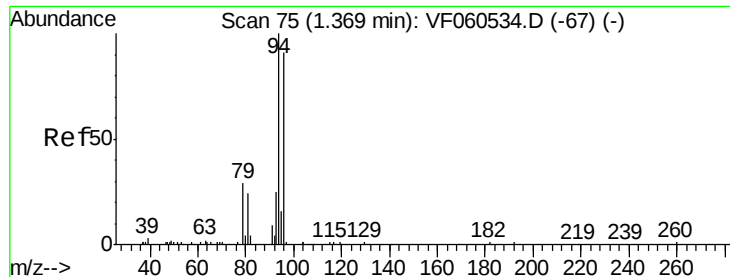
Tgt Ion: 62 Resp: 72495

Ion Ratio Lower Upper

62 100

64 33.3 25.3 37.9





#5

Bromomethane

Concen: 27.099 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

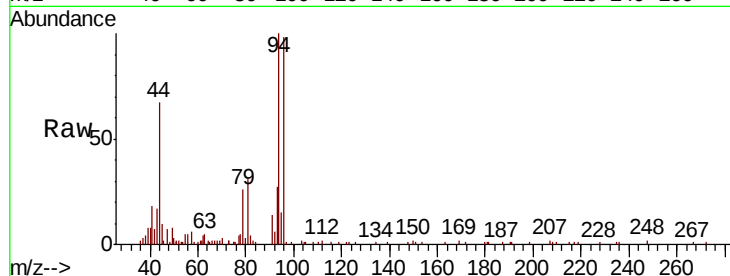
VF1030SBS01

Tot Ion: 94 Resp: 61939

Ion Ratio Lower Upper

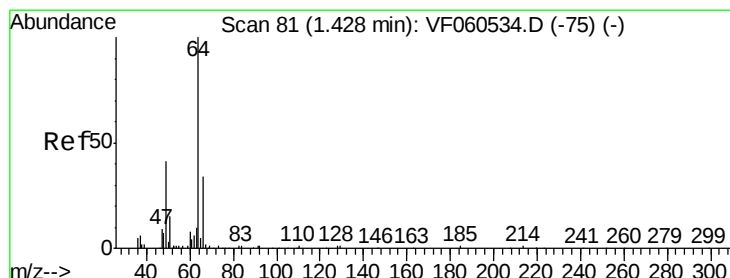
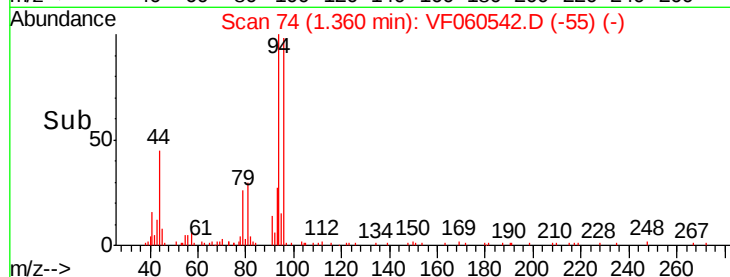
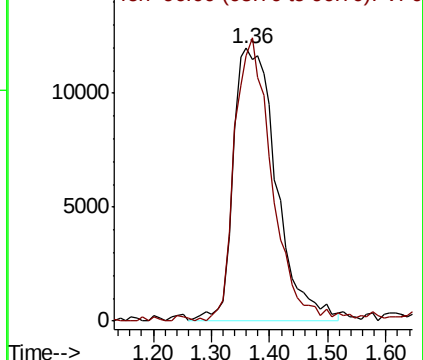
94 100

96 97.5 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 25.875 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060542.D

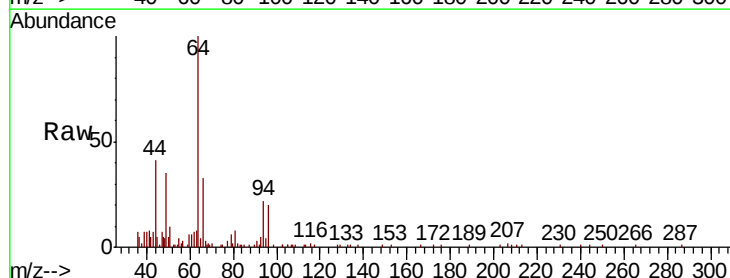
Acq: 30 Oct 2018 13:29

Tgt Ion: 64 Resp: 39182

Ion Ratio Lower Upper

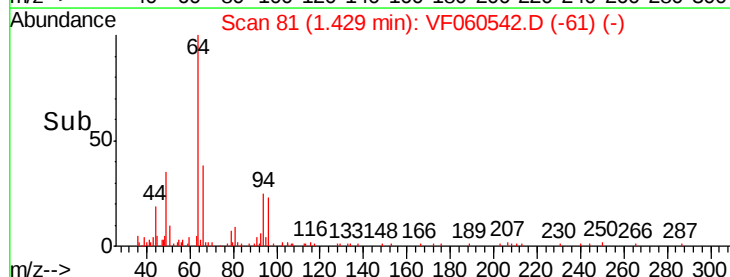
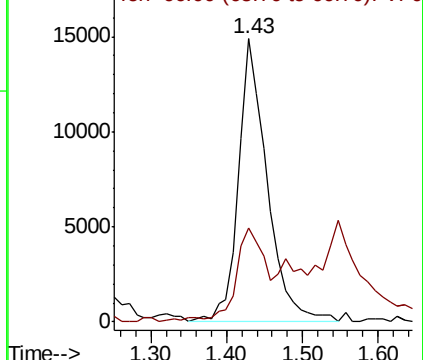
64 100

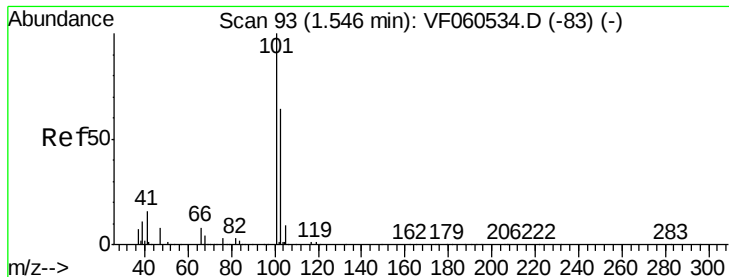
66 33.2 27.1 40.7



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



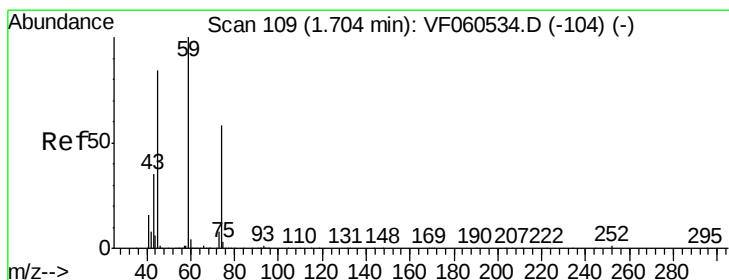
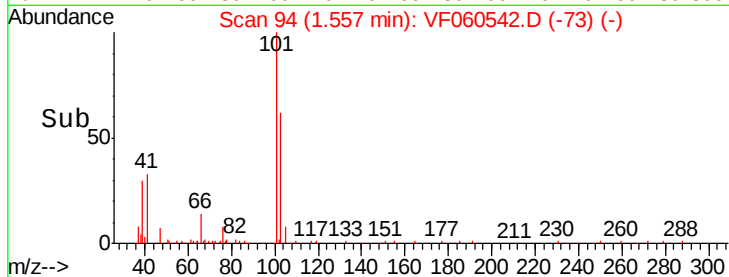
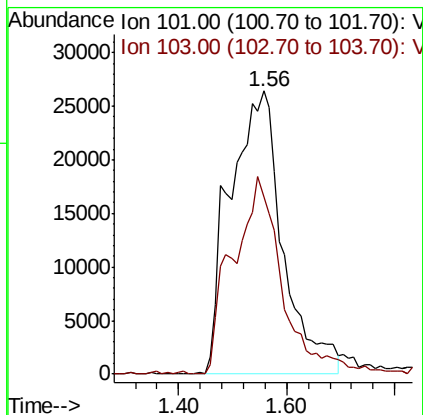
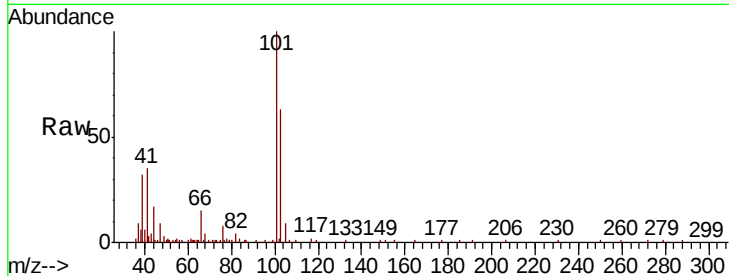


#7

Trichlorofluoromethane
Concen: 25.577 ug/l
RT: 1.56 min Scan# 94
Delta R.T. 0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

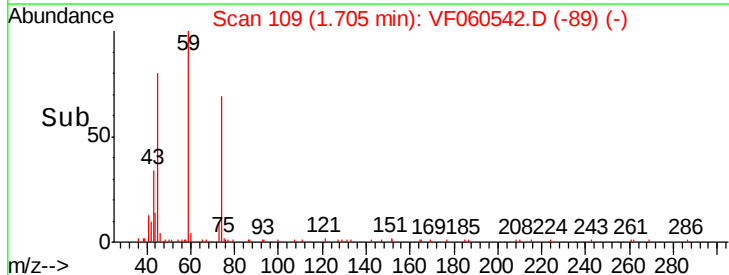
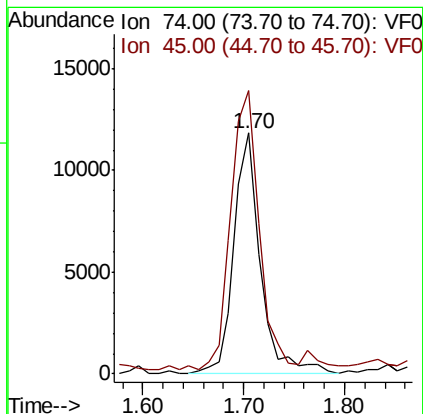
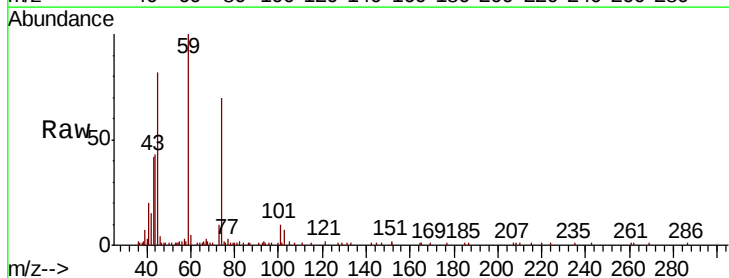
Tot Ion:101 Resp: 179215
Ion Ratio Lower Upper
101 100
103 62.5 51.6 77.4

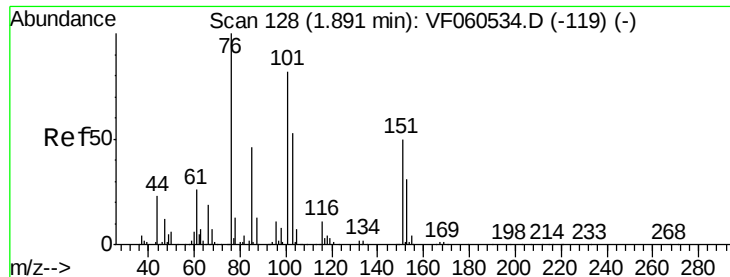


#8

Diethyl Ether
Concen: 24.650 ug/l
RT: 1.70 min Scan# 109
Delta R.T. 0.00 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion: 74 Resp: 21662
Ion Ratio Lower Upper
74 100
45 117.6 72.9 218.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 26.771 ug/l

RT: 1.90 min Scan# 129

Delta R.T. 0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

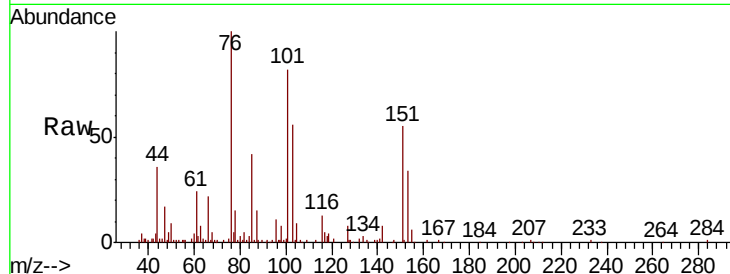
Tot Ion:101 Resp: 84447

Ion Ratio Lower Upper

101 100

85 51.5 44.6 67.0

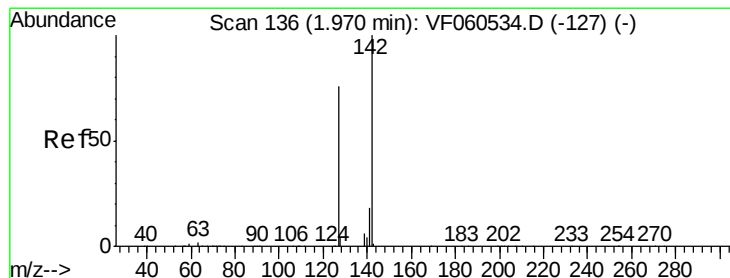
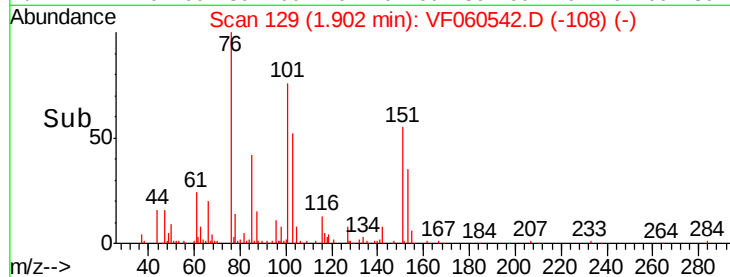
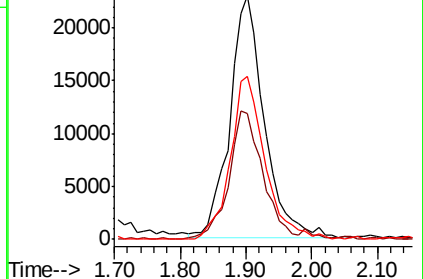
151 67.0 48.4 72.6



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: 18.104 ug/l

RT: 1.97 min Scan# 136

Delta R.T. 0.00 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

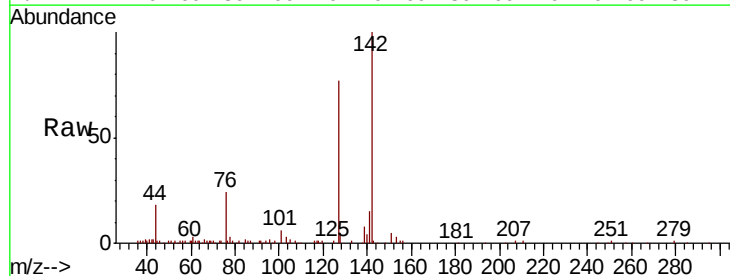
Tgt Ion:142 Resp: 95951

Ion Ratio Lower Upper

142 100

127 76.9 61.2 91.8

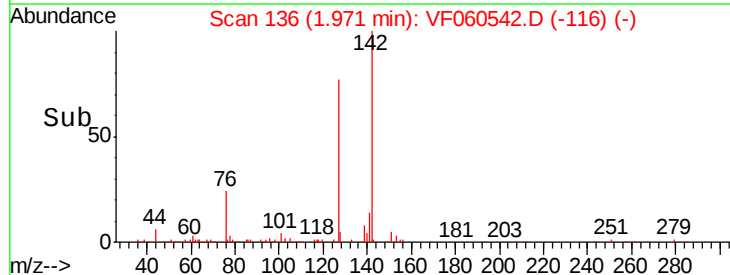
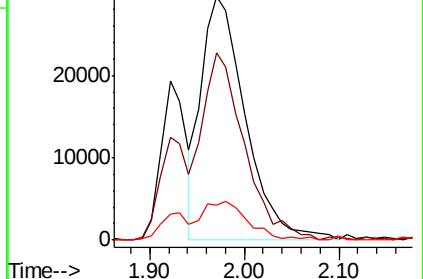
141 14.6 14.0 21.0

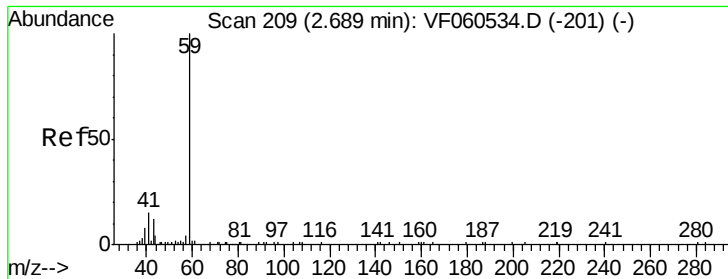


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



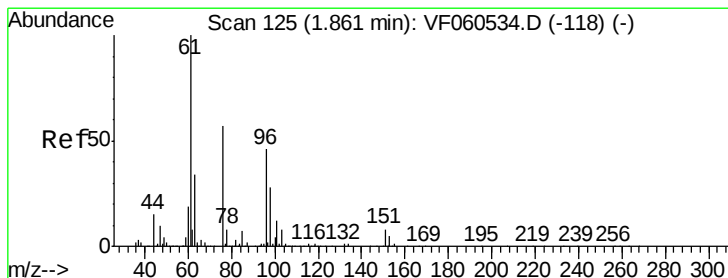
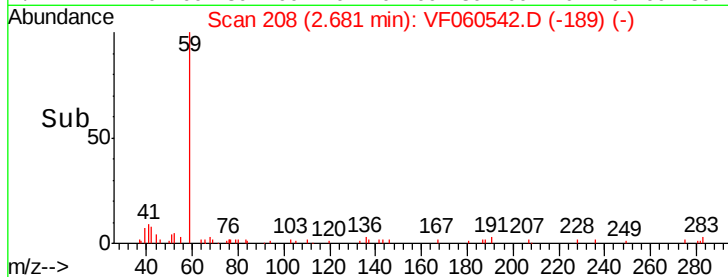
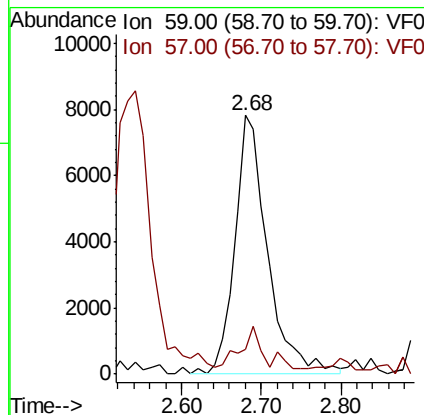
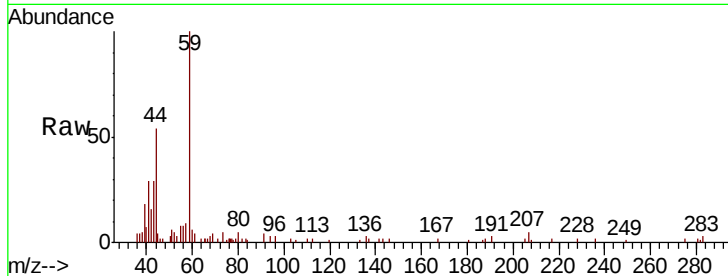


#11

Tert butyl alcohol
 Concen: 152.369 ug/l
 RT: 2.68 min Scan# 208
 Delta R.T. -0.01 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

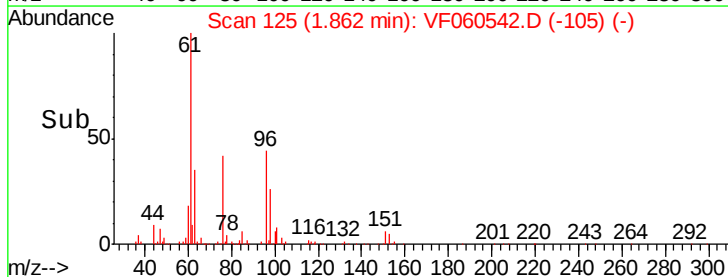
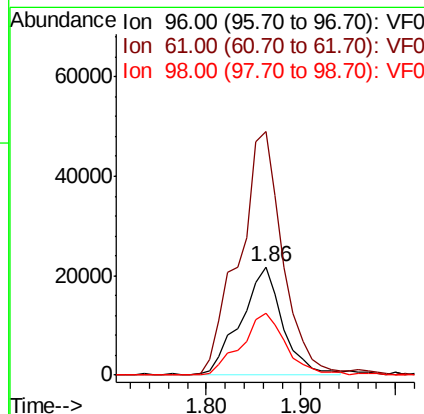
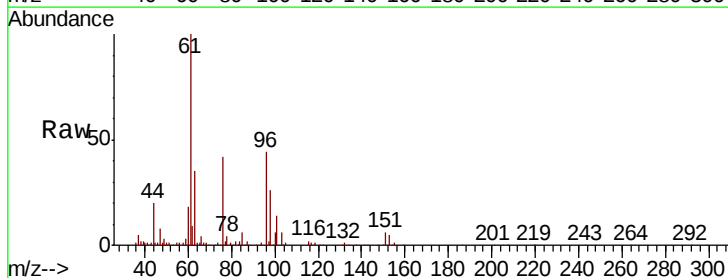
Tot Ion: 59 Resp: 22362
 Ion Ratio Lower Upper
 59 100
 57 9.5 8.9 13.3

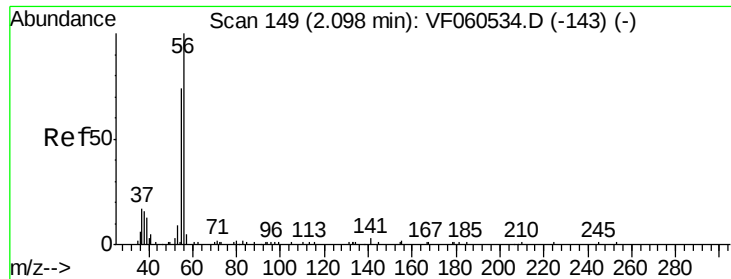


#12

1,1-Dichloroethene
 Concen: 24.327 ug/l
 RT: 1.86 min Scan# 125
 Delta R.T. 0.00 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Tgt Ion: 96 Resp: 66316
 Ion Ratio Lower Upper
 96 100
 61 225.2 175.4 263.2
 98 57.7 48.9 73.3

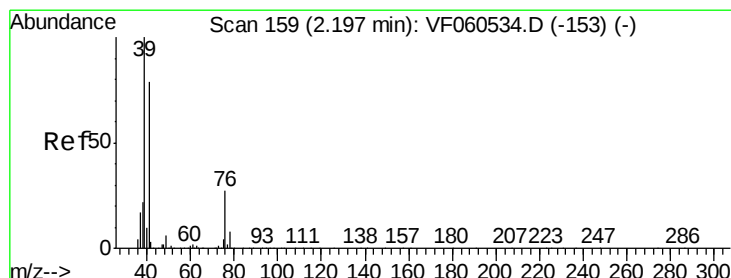
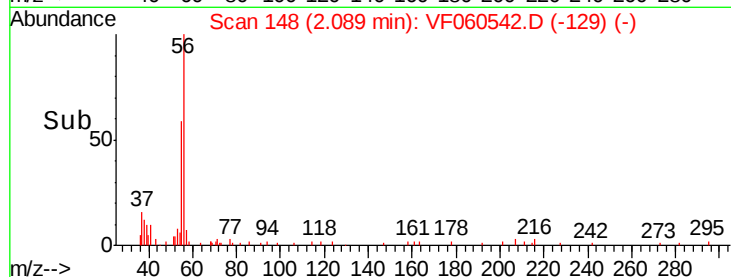
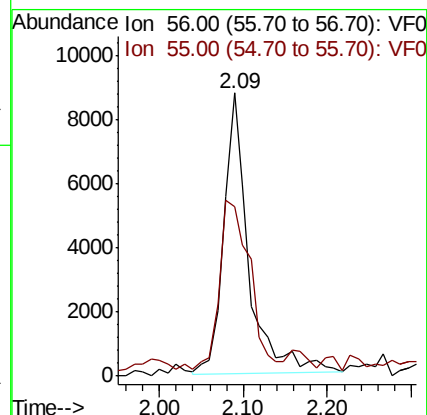
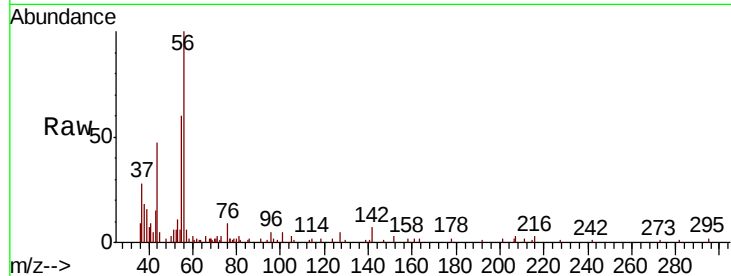




#13
Acrolein
Concen: 132.361 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

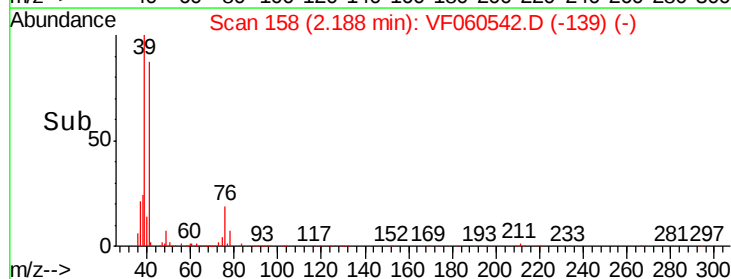
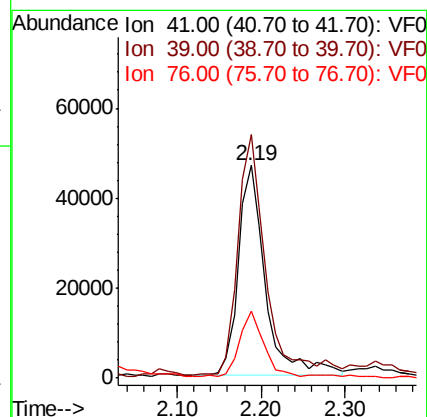
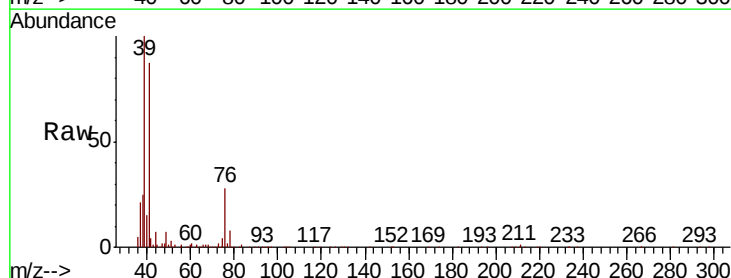
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

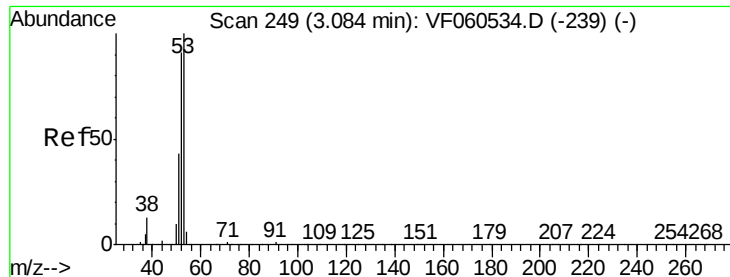
Tot Ion: 56 Resp: 18172
Ion Ratio Lower Upper
56 100
55 59.8 60.4 90.6#



#14
Allyl chloride
Concen: 24.045 ug/l
RT: 2.19 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion: 41 Resp: 104223
Ion Ratio Lower Upper
41 100
39 114.7 100.6 151.0
76 31.7 27.6 41.4





#15

Acrylonitrile

Concen: 102.251 ug/l

RT: 3.06 min Scan# 247

Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

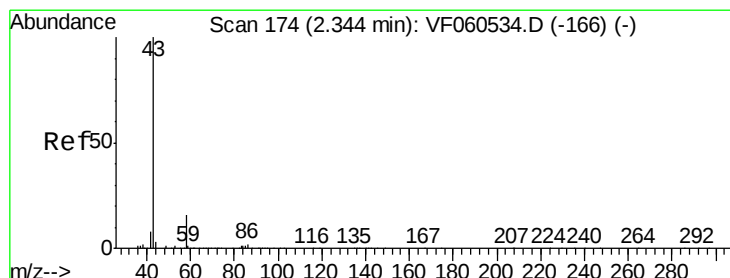
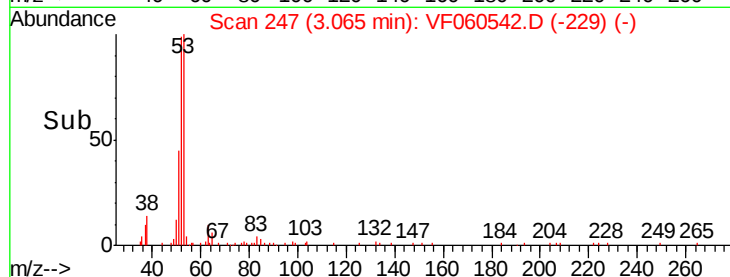
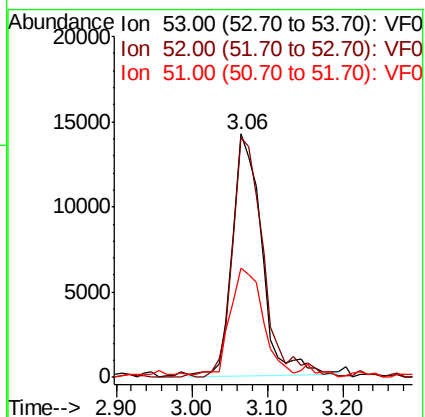
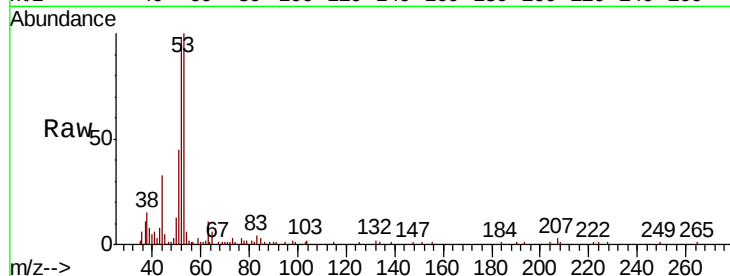
Tot Ion: 53 Resp: 38256

Ion Ratio Lower Upper

53 100

52 98.3 73.2 109.8

51 45.1 35.0 52.4



#16

Acetone

Concen: 163.283 ug/l

RT: 2.34 min Scan# 173

Delta R.T. -0.01 min

Lab File: VF060542.D

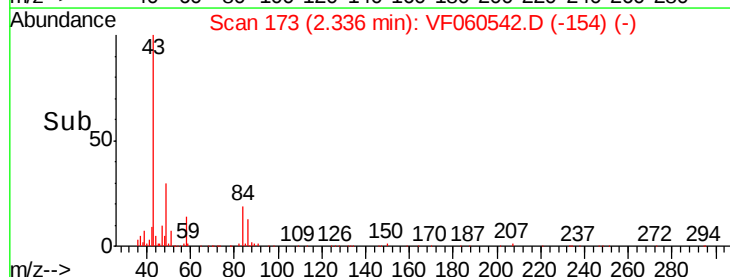
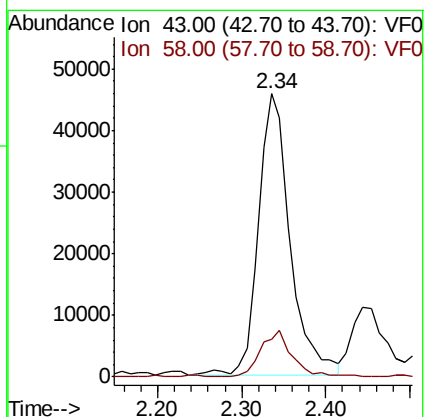
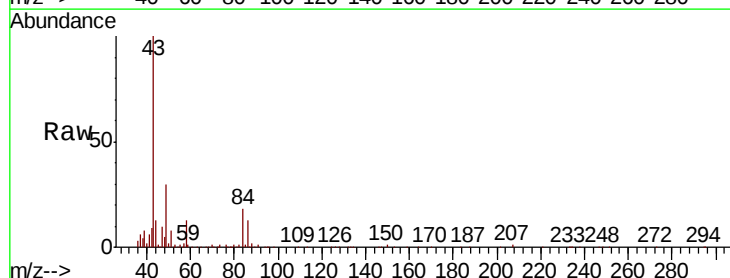
Acq: 30 Oct 2018 13:29

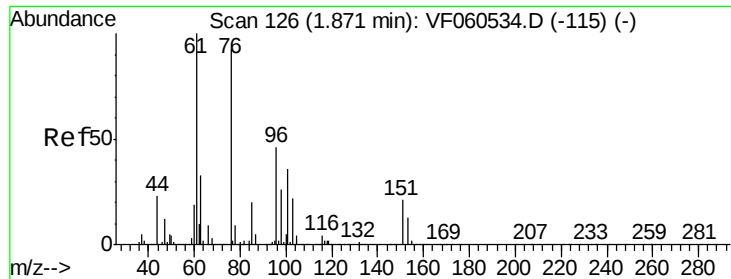
Tgt Ion: 43 Resp: 119902

Ion Ratio Lower Upper

43 100

58 13.4 12.8 19.2

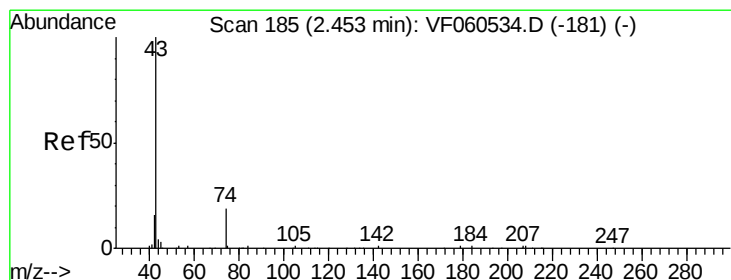
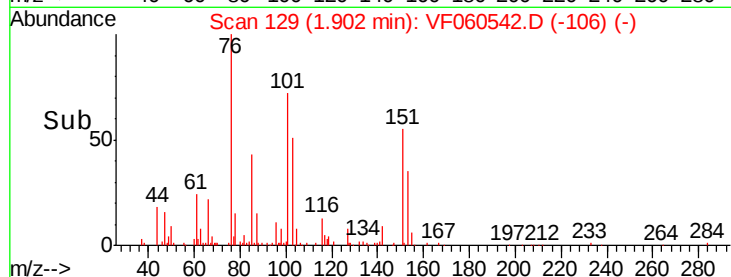
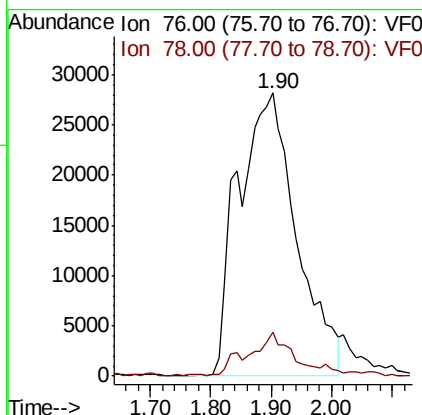
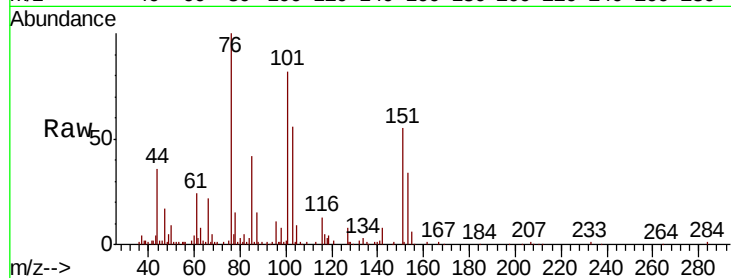




#17
Carbon Disulfide
Concen: 24.743 ug/l
RT: 1.90 min Scan# 129
Delta R.T. 0.03 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

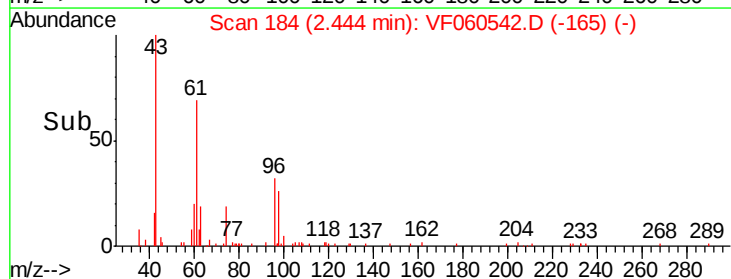
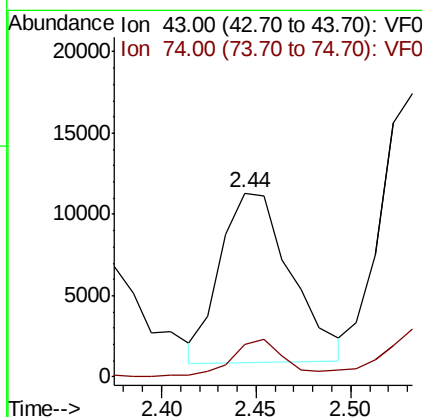
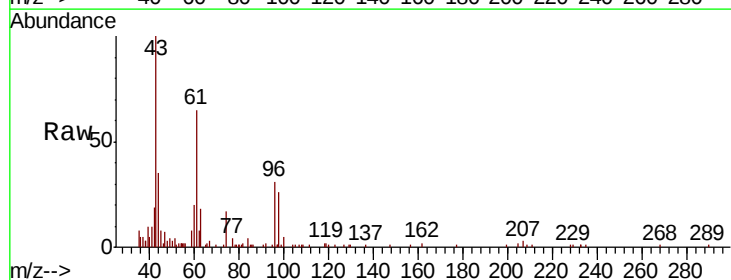
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

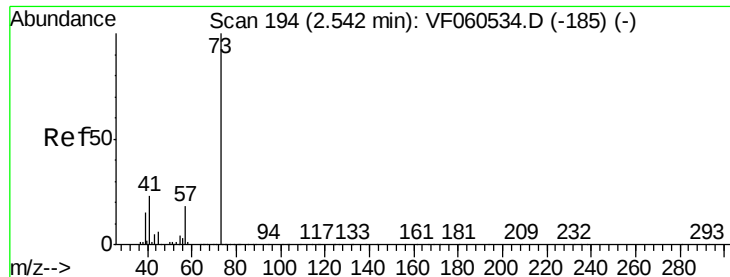
Tot Ion: 76 Resp: 189570
Ion Ratio Lower Upper
76 100
78 15.5 8.0 12.0#



#18
Methyl Acetate
Concen: 25.082 ug/l
RT: 2.44 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion: 43 Resp: 27004
Ion Ratio Lower Upper
43 100
74 17.5 13.5 20.3



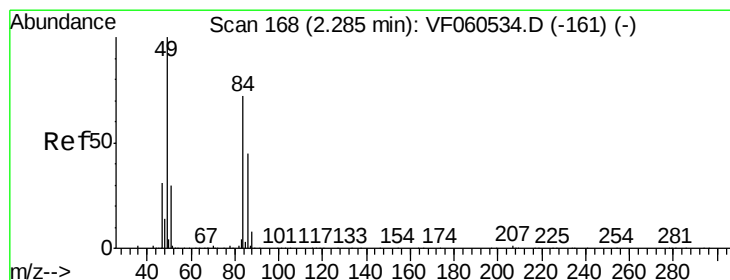
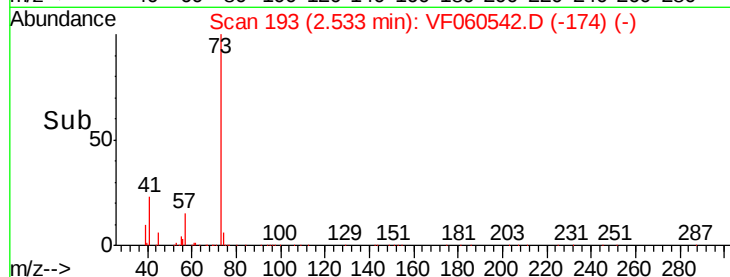
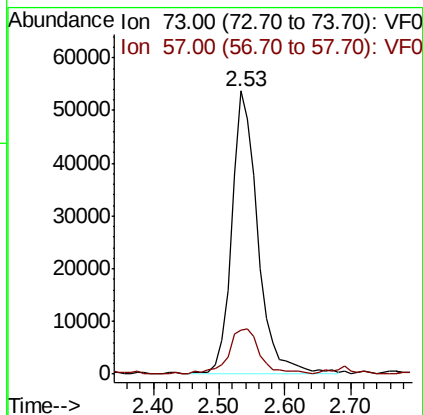
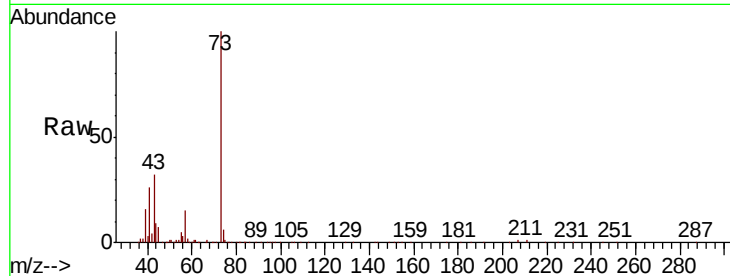


#19

Methyl tert-butyl Ether
 Concen: 24.061 ug/l
 RT: 2.53 min Scan# 193
 Delta R.T. -0.01 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

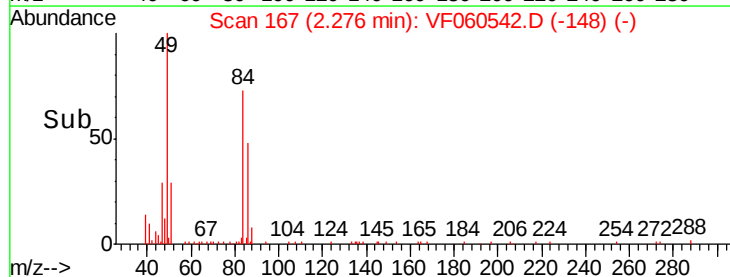
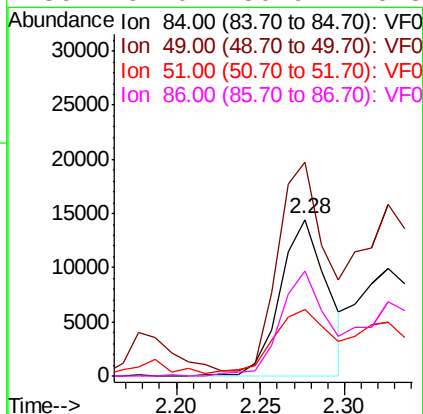
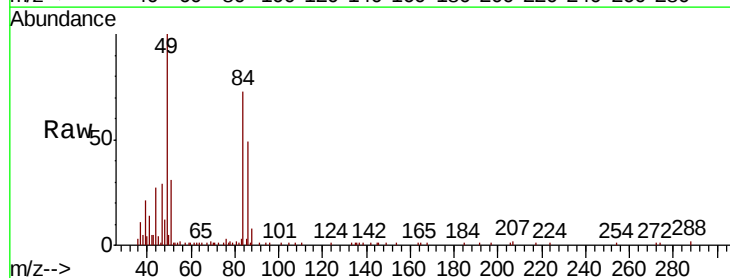
Tot Ion: 73 Resp: 146965
 Ion Ratio Lower Upper
 73 100
 57 15.4 14.7 22.1

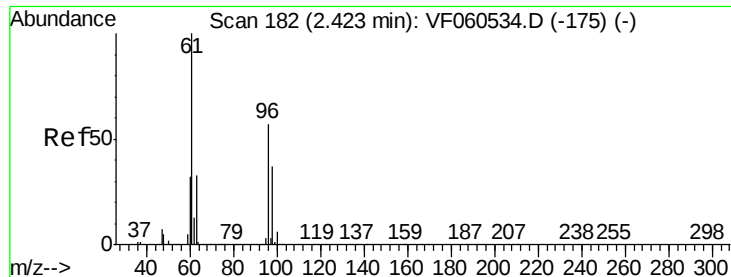


#20

Methylene Chloride
 Concen: 10.625 ug/l
 RT: 2.28 min Scan# 167
 Delta R.T. -0.01 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Tgt Ion: 84 Resp: 28133
 Ion Ratio Lower Upper
 84 100
 49 136.3 115.4 173.0
 51 42.8 35.4 53.2
 86 67.0 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 24.362 ug/l

RT: 2.41 min Scan# 181

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

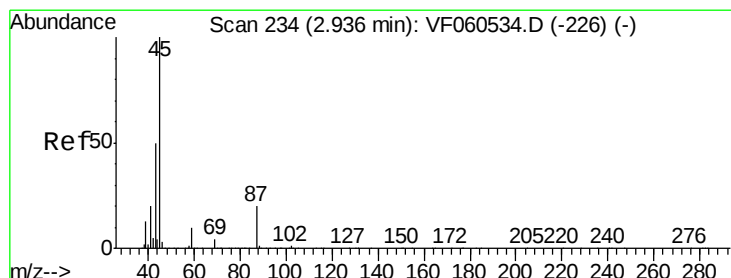
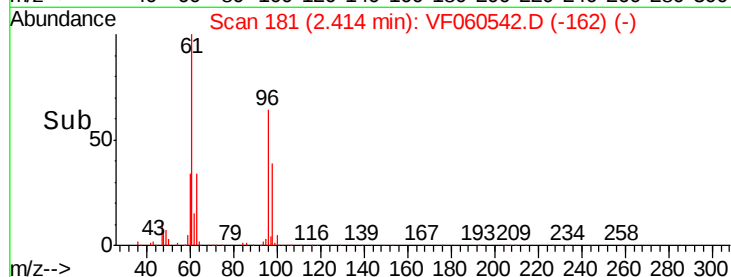
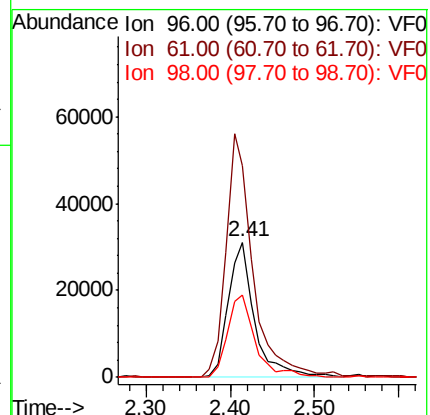
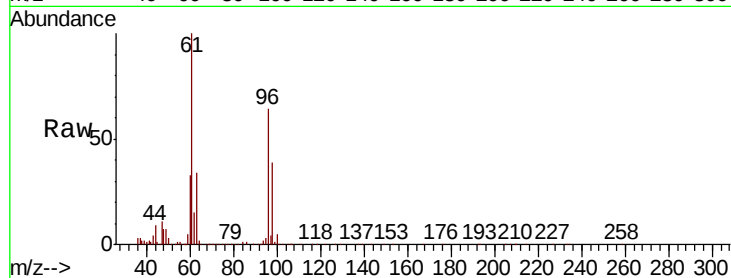
Tot Ion: 96 Resp: 67924

Ion Ratio Lower Upper

96 100

61 156.5 139.8 209.6

98 60.7 52.2 78.4



#22

Diisopropyl ether

Concen: 24.393 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Tgt Ion: 45 Resp: 192055

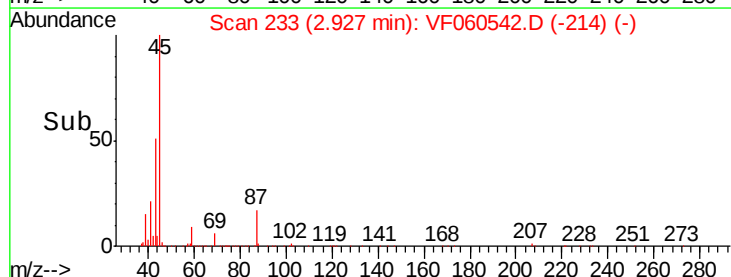
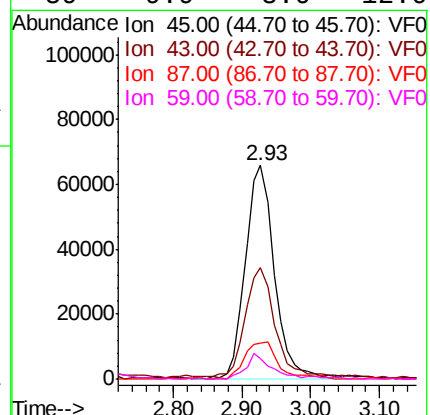
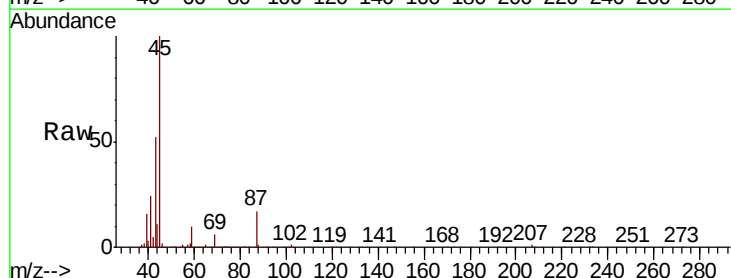
Ion Ratio Lower Upper

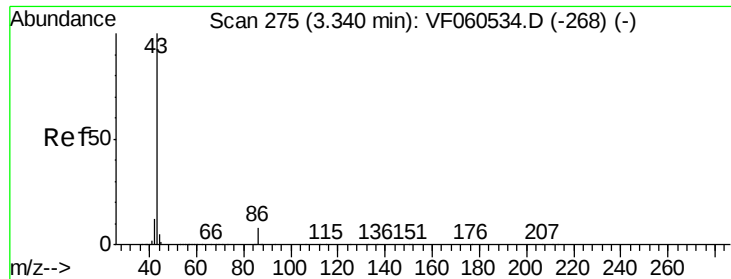
45 100

43 52.4 40.6 60.8

87 16.8 15.9 23.9

59 9.9 8.0 12.0





#23

Vinyl Acetate

Concen: 114.826 ug/l

RT: 3.33 min Scan# 274

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

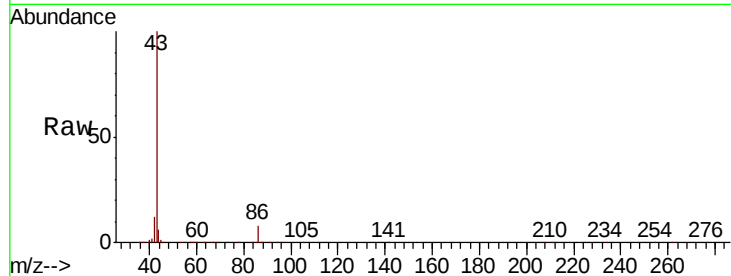
VF1030SBS01

Tot Ion: 43 Resp: 335359

Ion Ratio Lower Upper

43 100

86 7.8 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

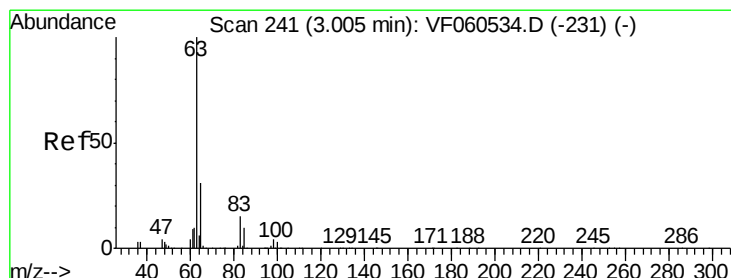
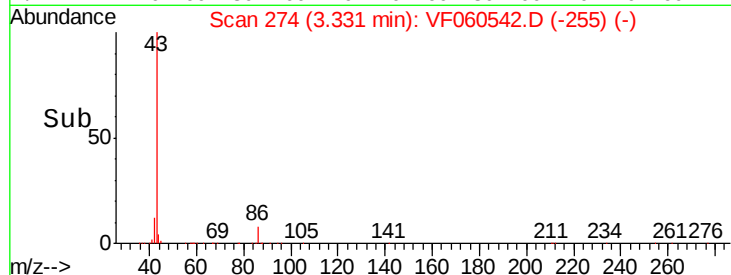
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 23.659 ug/l

RT: 3.01 min Scan# 241

Delta R.T. 0.00 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

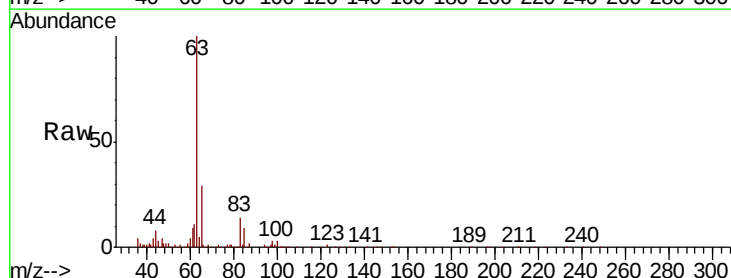
Tgt Ion: 63 Resp: 134420

Ion Ratio Lower Upper

63 100

98 3.4 2.0 6.0

100 2.6 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

60000

50000

40000

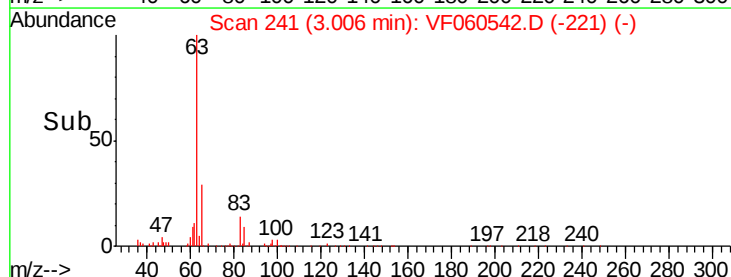
30000

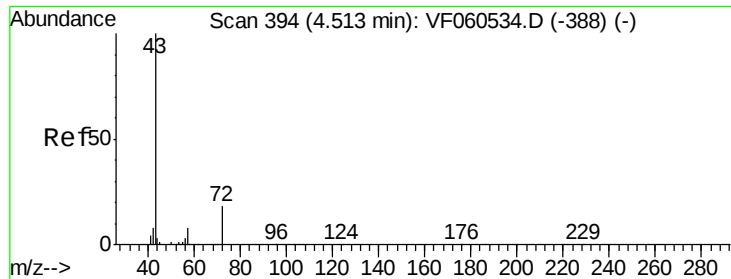
20000

10000

0

Time-->





#25

2-Butanone

Concen: 114.193 ug/l

RT: 4.50 min Scan# 393

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

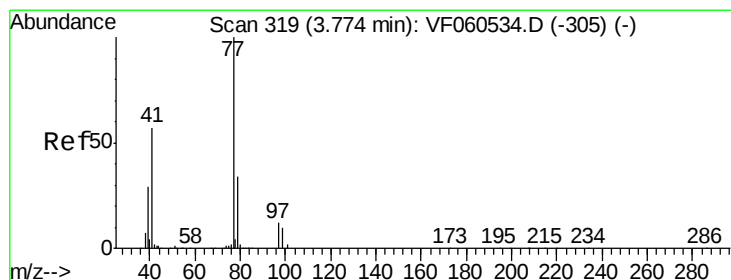
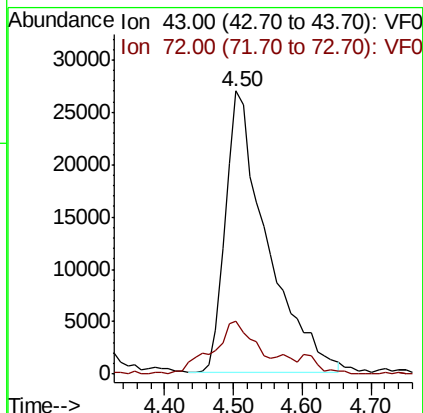
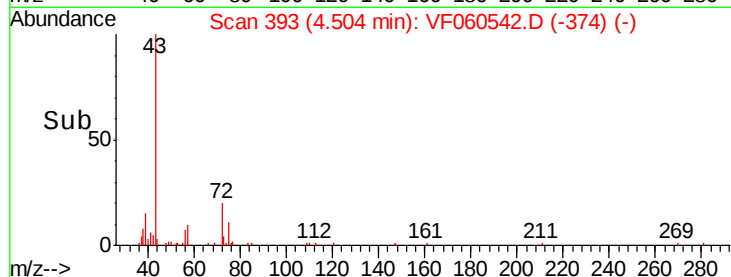
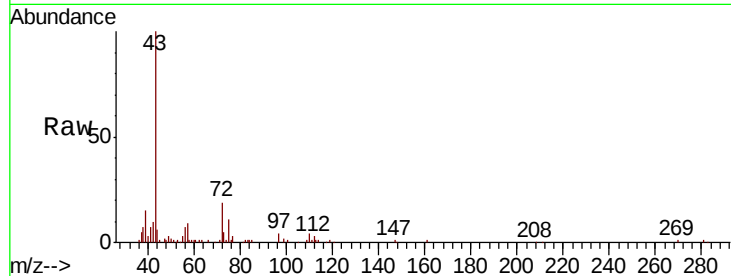
VF1030SBS01

Tot Ion: 43 Resp: 112822

Ion Ratio Lower Upper

43 100

72 18.7 17.4 26.0



#26

2,2-Dichloropropane

Concen: 24.204 ug/l

RT: 3.75 min Scan# 317

Delta R.T. -0.02 min

Lab File: VF060542.D

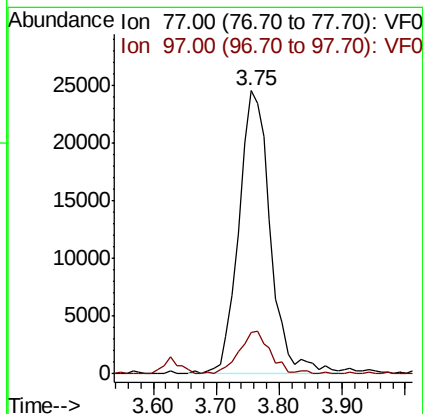
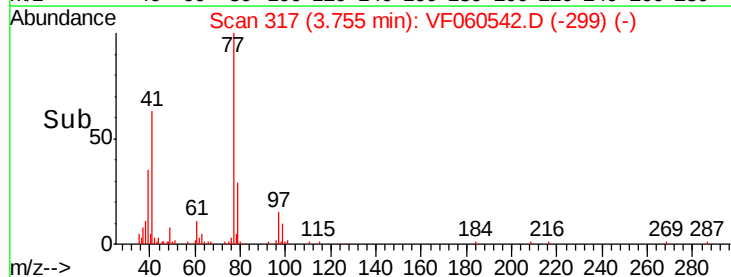
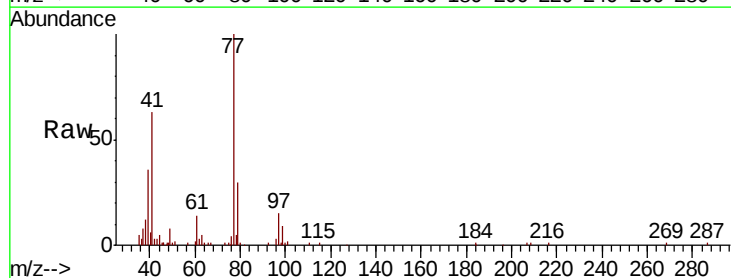
Acq: 30 Oct 2018 13:29

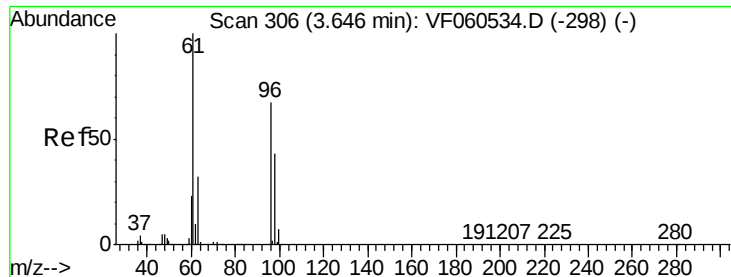
Tgt Ion: 77 Resp: 85459

Ion Ratio Lower Upper

77 100

97 14.7 8.5 25.5



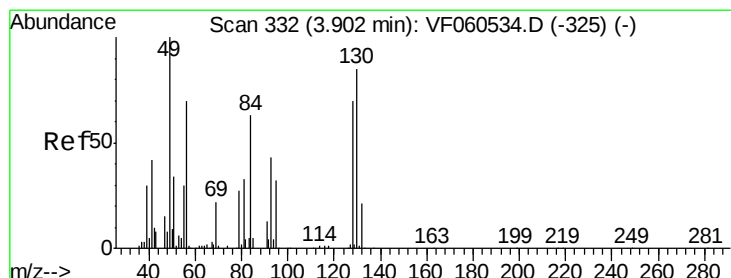
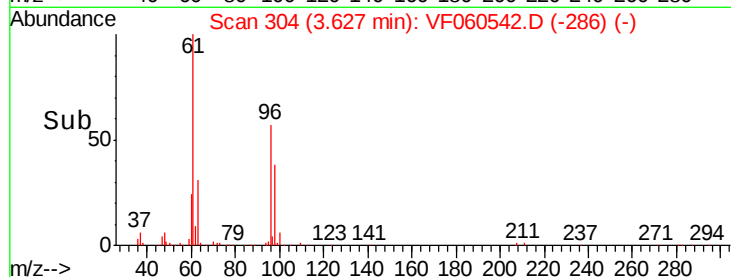
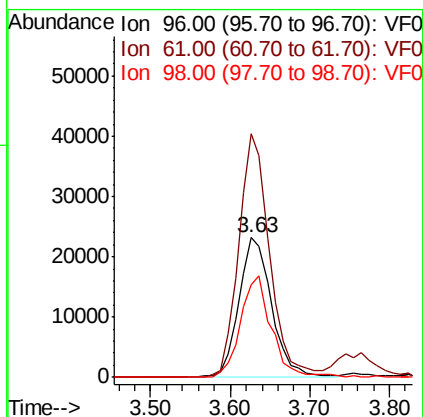
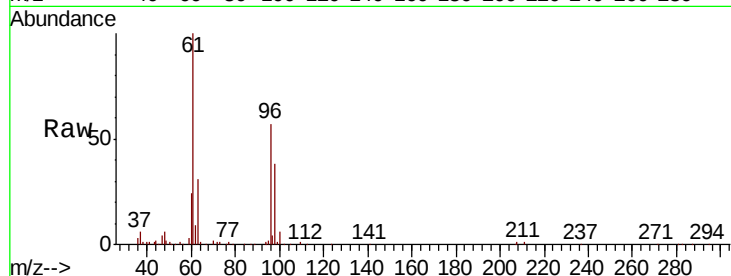


#27

cis-1,2-Dichloroethene
 Concen: 19.591 ug/l
 RT: 3.63 min Scan# 304
 Delta R.T. -0.02 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

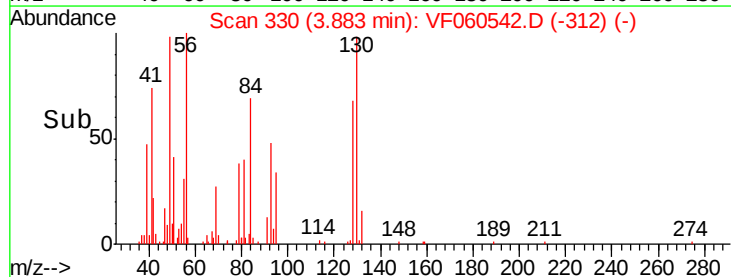
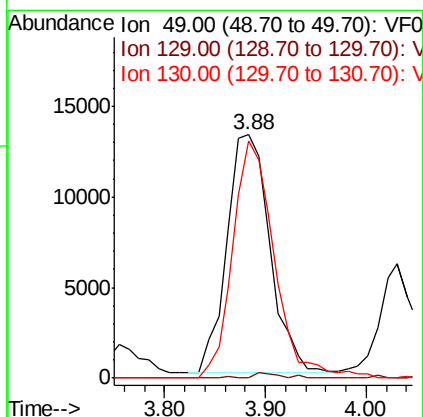
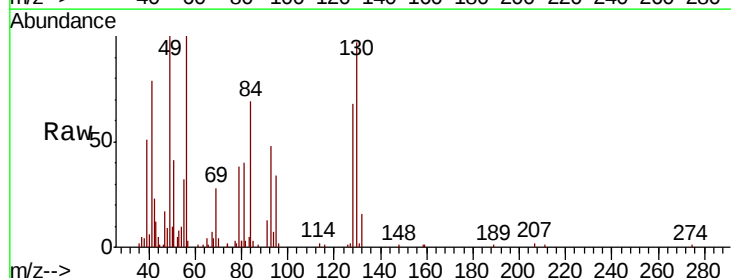
Tot Ion	Ratio	Lower	Upper
96	100		
61	174.1	0.0	300.8
98	65.8	0.0	128.4

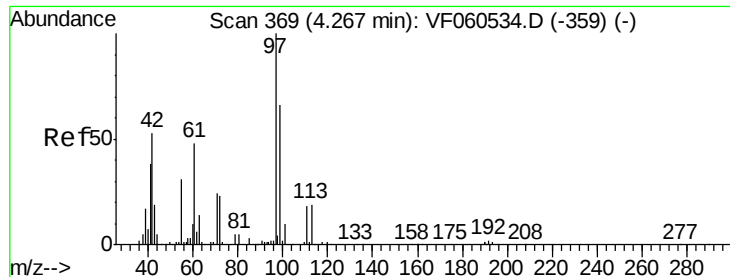


#28

Bromochloromethane
 Concen: 19.178 ug/l
 RT: 3.88 min Scan# 330
 Delta R.T. -0.02 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	97.3	67.5	101.3

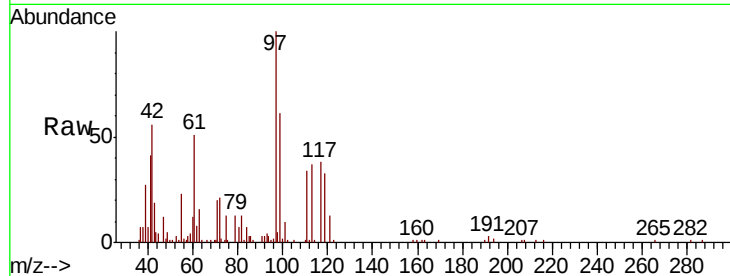




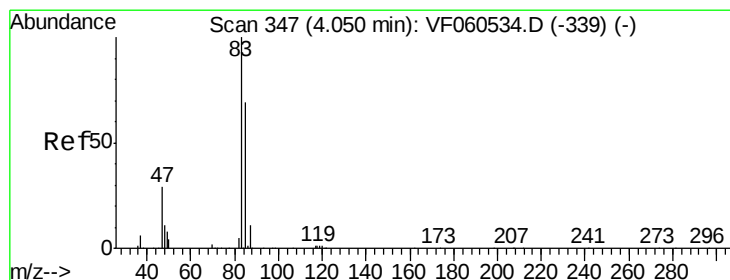
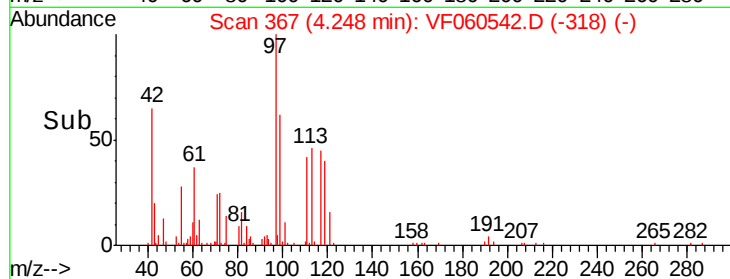
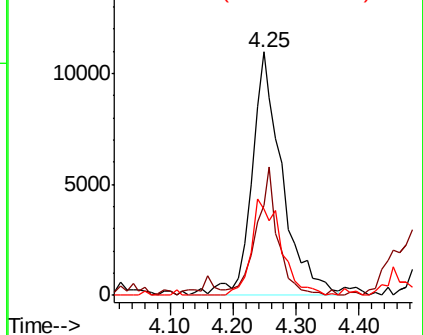
#29
Tetrahydrofuran
Concen: 110.493 ug/l
RT: 4.25 min Scan# 367
Delta R.T. -0.02 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	32.5	48.7
71	38.5	34.5	51.7

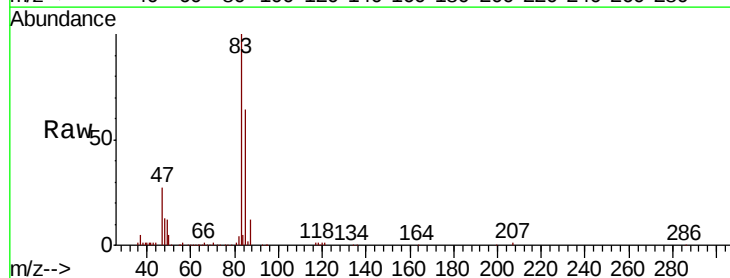


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

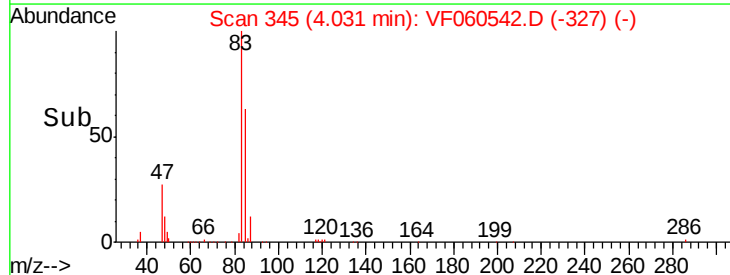
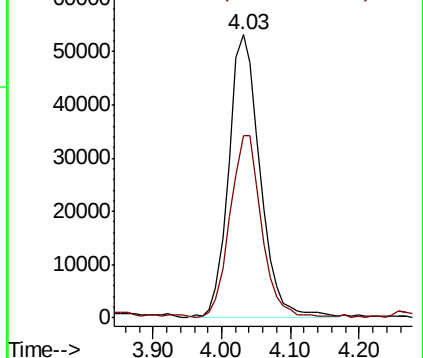


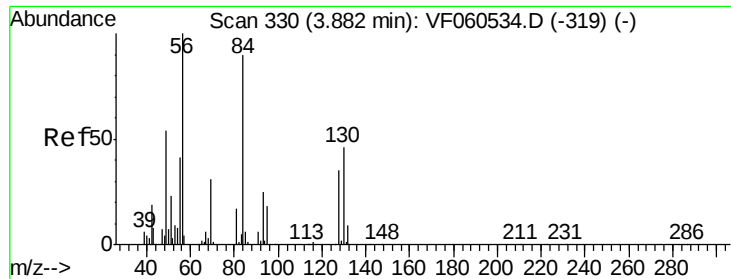
#30
Chloroform
Concen: 23.471 ug/l
RT: 4.03 min Scan# 345
Delta R.T. -0.02 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	55.0	82.4



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

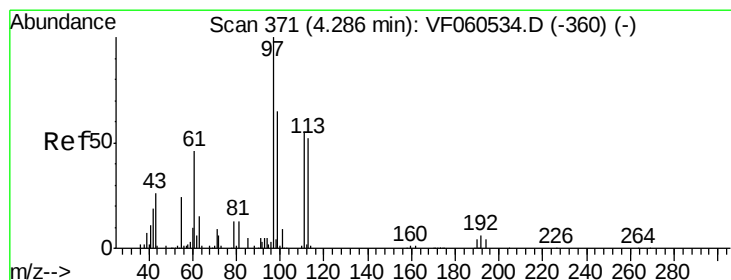
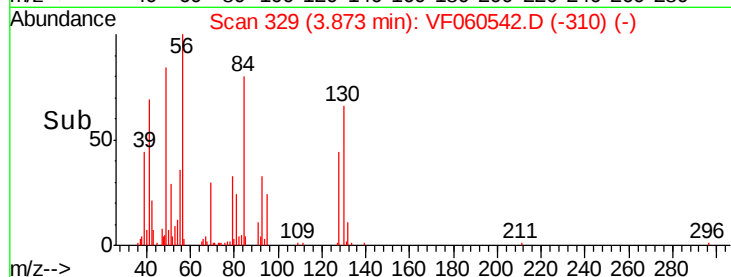
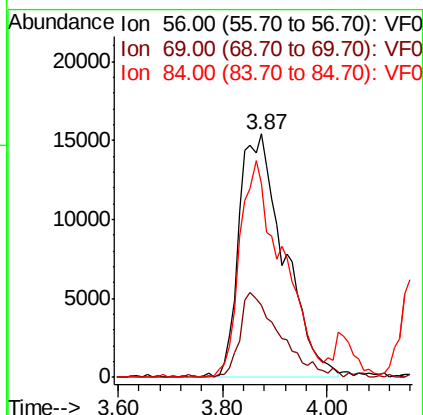
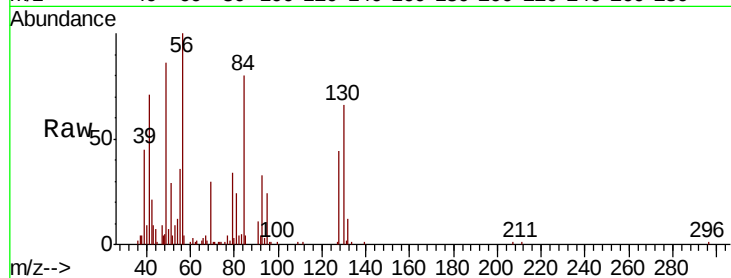




#31
Cyclohexane
Concen: 22.267 ug/l
RT: 3.87 min Scan# 329
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

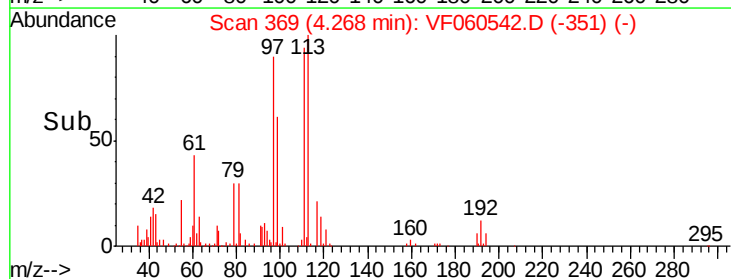
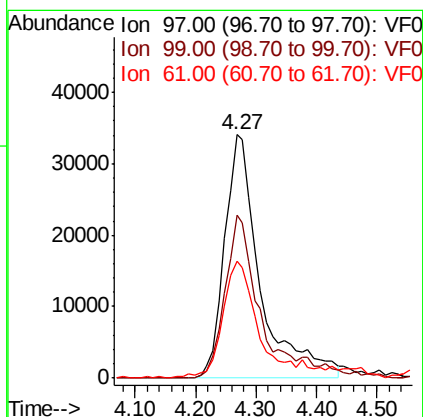
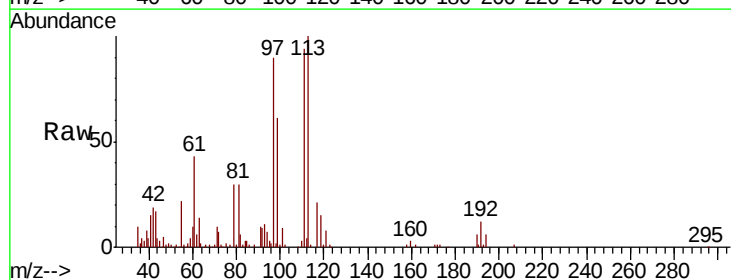
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

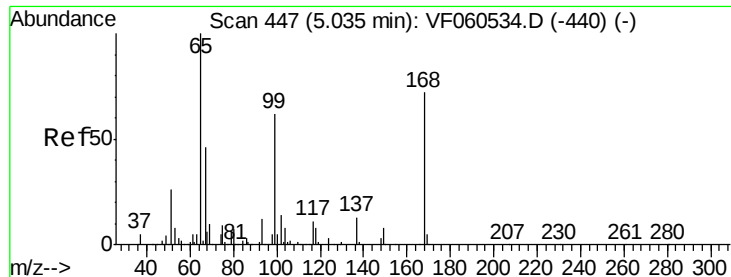
Tot Ion	56	Resp	90329
Ion	Ratio	Lower	Upper
56	100		
69	29.8	25.0	37.6
84	79.7	72.1	108.1



#32
1,1,1-Trichloroethane
Concen: 23.617 ug/l
RT: 4.27 min Scan# 369
Delta R.T. -0.02 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion	97	Resp	140097
Ion	Ratio	Lower	Upper
97	100		
99	67.1	51.7	77.5
61	48.1	36.8	55.2





#33

1,2-Dichloroethane-d4

Concen: 58.921 ug/l

RT: 5.02 min Scan# 445

Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

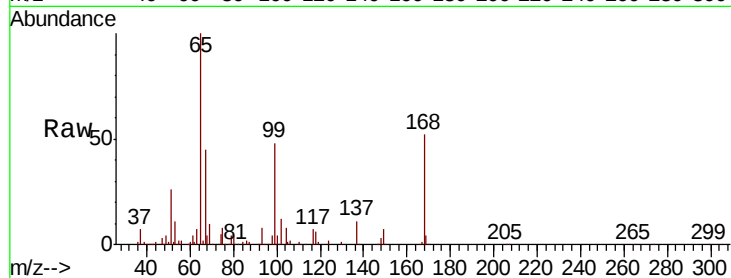
VF1030SBS01

Tot Ion: 65 Resp: 220456

Ion Ratio Lower Upper

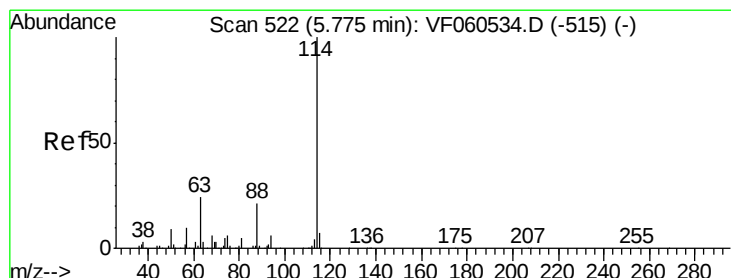
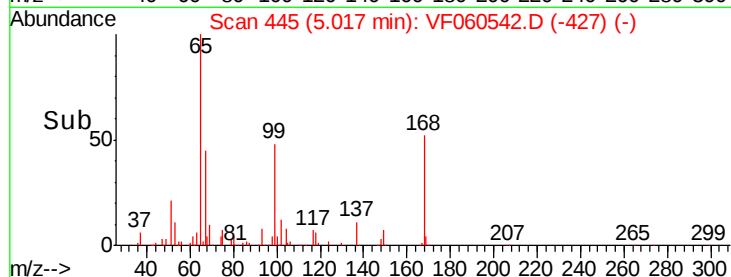
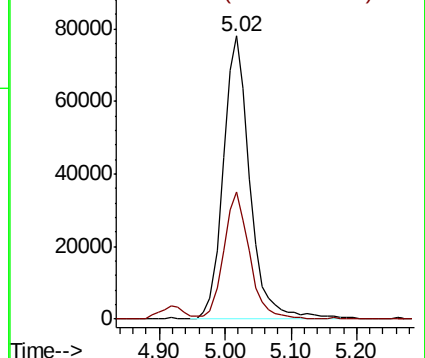
65 100

67 44.9 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: 5.77 min Scan# 521

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

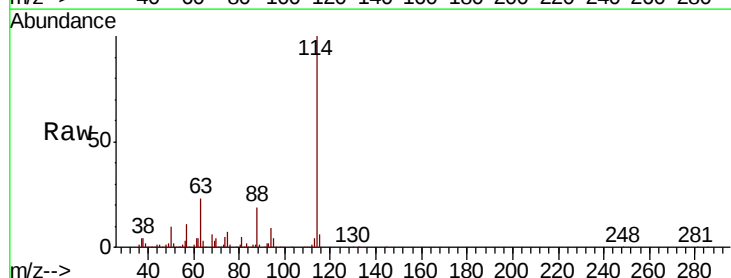
Tgt Ion: 114 Resp: 388324

Ion Ratio Lower Upper

114 100

63 22.9 0.0 48.0

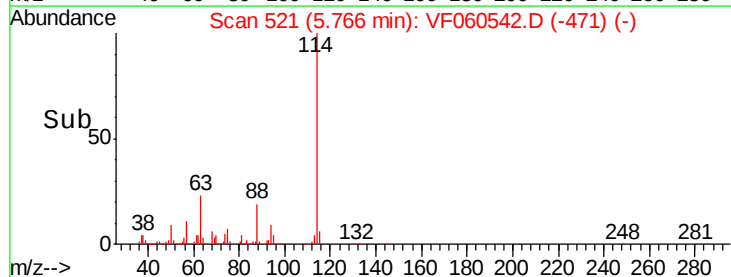
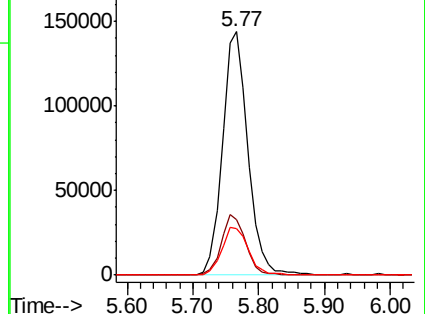
88 19.3 0.0 42.0

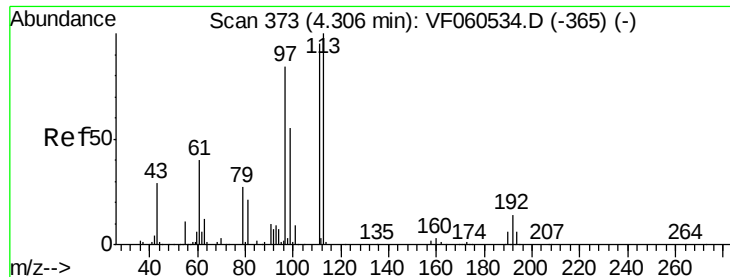


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 55.740 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

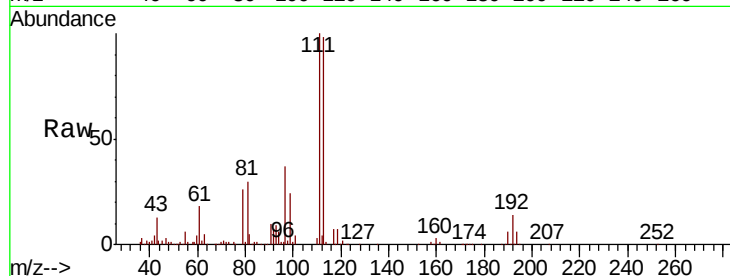
Tot Ion:113 Resp: 207701

Ion	Ratio	Lower	Upper
113	100		
111	102.0	75.9	113.9
192	14.8	11.2	16.8

113 100

111 102.0 75.9 113.9

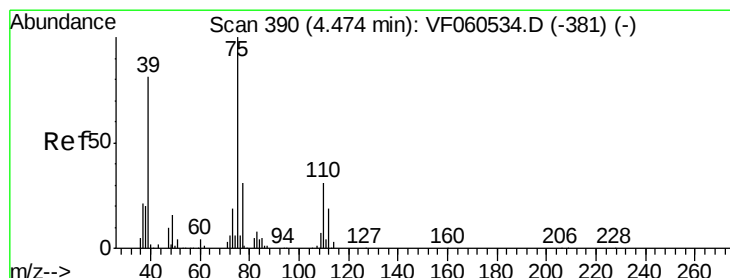
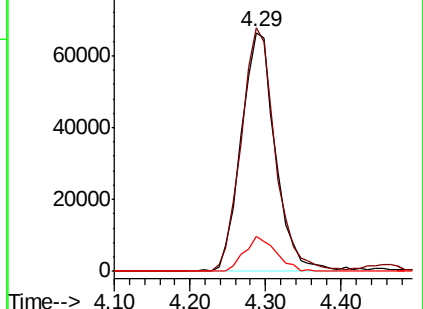
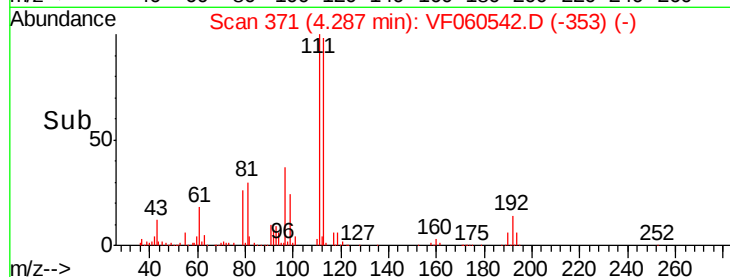
192 14.8 11.2 16.8



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: 22.765 ug/l

RT: 4.45 min Scan# 388

Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

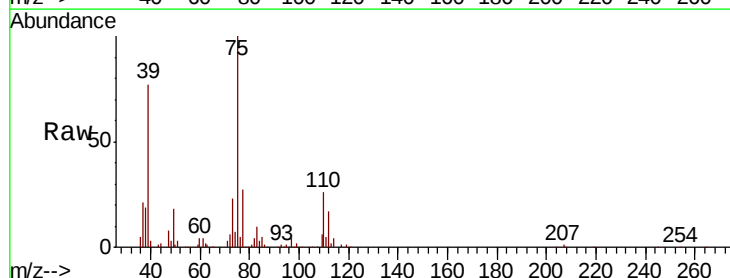
Tgt Ion: 75 Resp: 110143

Ion	Ratio	Lower	Upper
75	100		
110	26.4	15.3	45.8
77	27.3	24.8	37.2

75 100

110 26.4 15.3 45.8

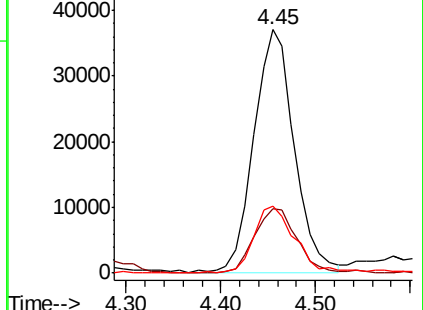
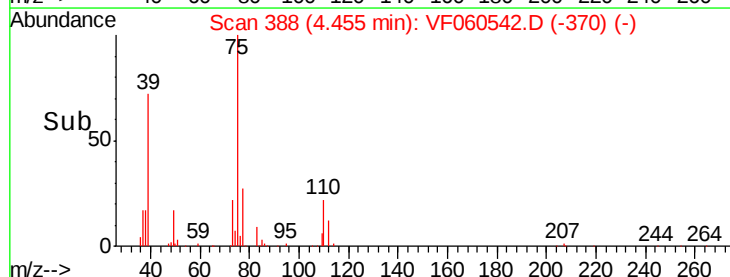
77 27.3 24.8 37.2

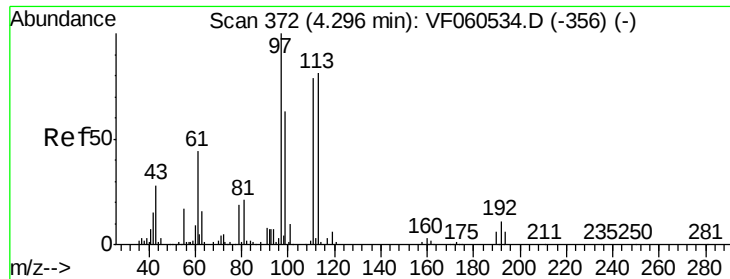


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

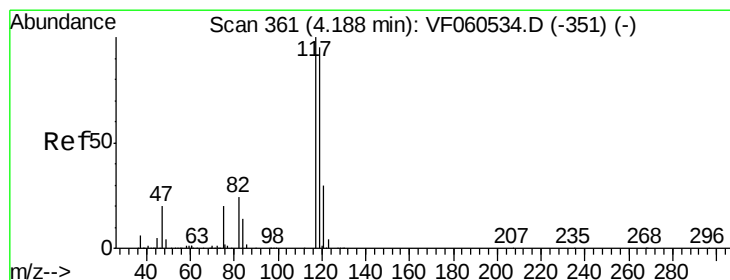
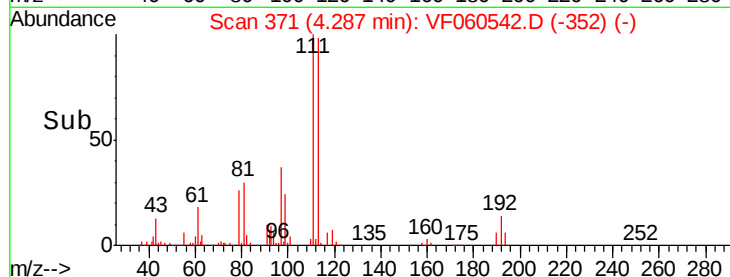
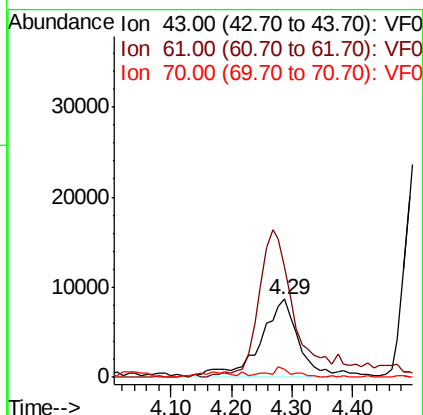
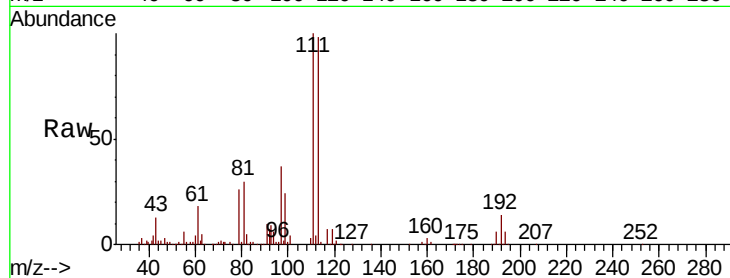




#37
Ethyl Acetate
Concen: 23.478 ug/l
RT: 4.29 min Scan# 371
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

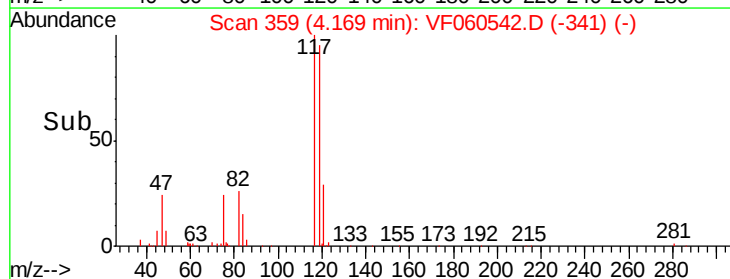
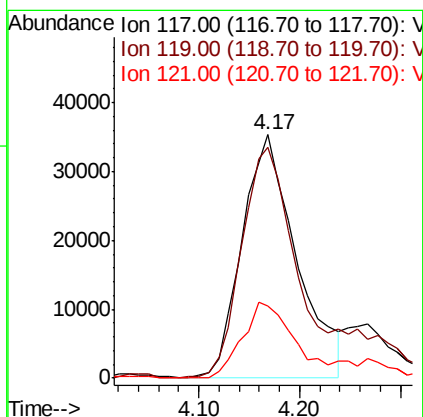
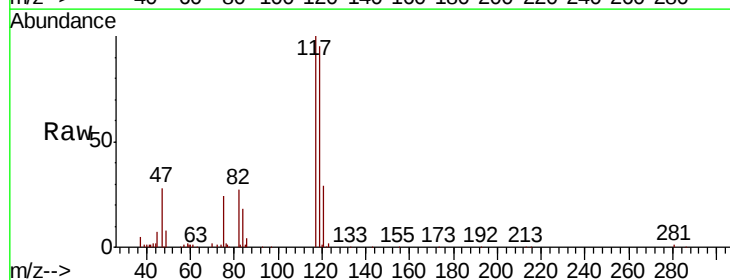
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

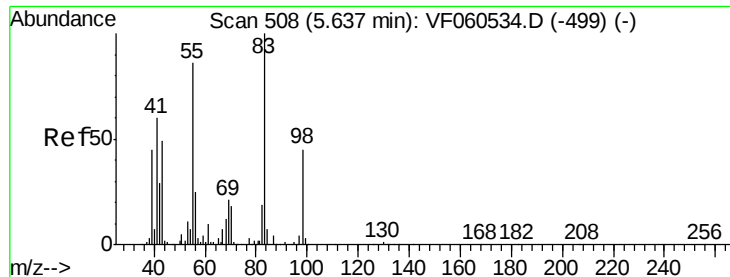
Tot Ion: 43 Resp: 36775
Ion Ratio Lower Upper
43 100
61 140.6 123.9 185.9
70 11.0 7.3 10.9#



#38
Carbon Tetrachloride
Concen: 23.001 ug/l
RT: 4.17 min Scan# 359
Delta R.T. -0.02 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion: 117 Resp: 133247
Ion Ratio Lower Upper
117 100
119 94.8 76.5 114.7
121 29.4 24.3 36.5

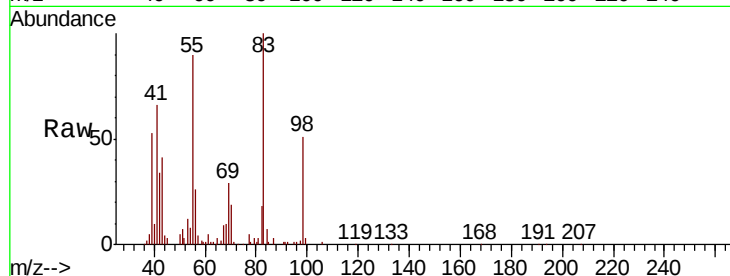




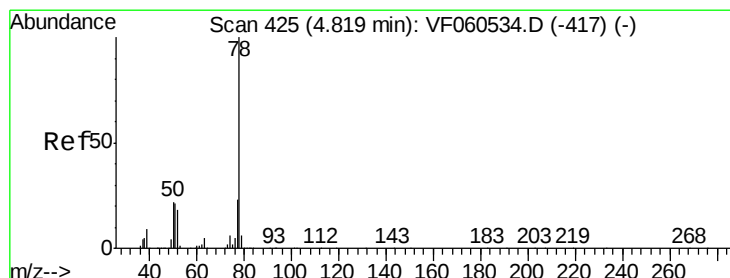
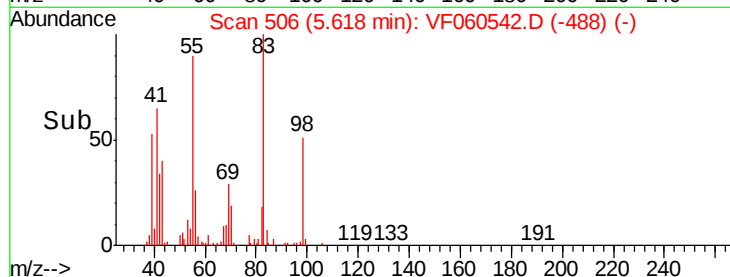
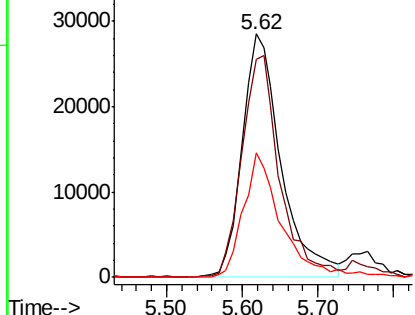
#39
Methvlcvclohexane
Concen: 20.905 ug/l
RT: 5.62 min Scan# 506
Delta R.T. -0.02 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tot Ion: 83 Resp: 102144
Ion Ratio Lower Upper
83 100
55 89.8 69.0 103.4
98 51.1 36.1 54.1

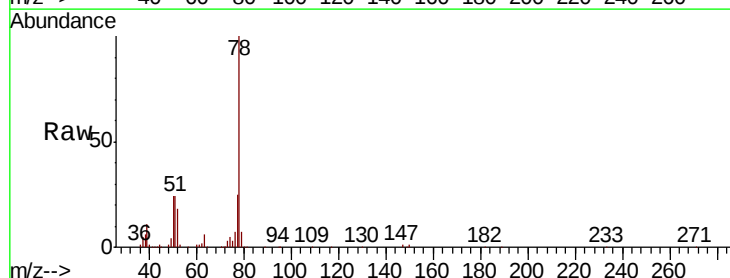


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

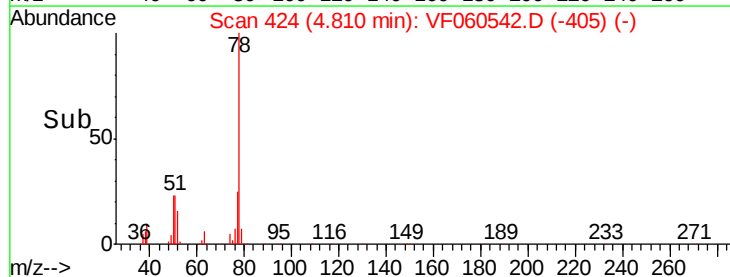
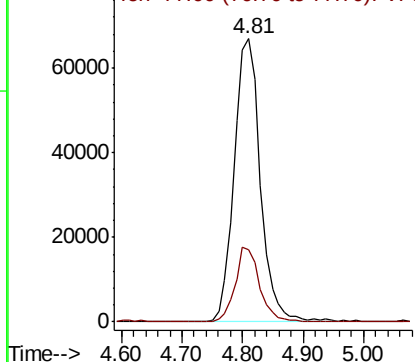


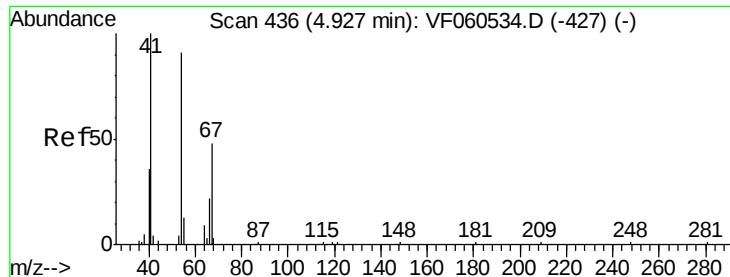
#40
Benzene
Concen: 21.014 ug/l
RT: 4.81 min Scan# 424
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion: 78 Resp: 201648
Ion Ratio Lower Upper
78 100
77 25.3 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: 20.829 ug/l

RT: 4.92 min Scan# 435

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tot Ion: 41 Resp: 18649

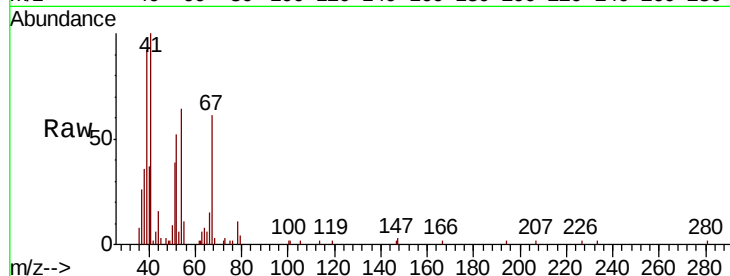
Ion Ratio Lower Upper

41 100

39 91.7 51.0 76.6#

67 60.6 38.0 57.0#

52 51.9 40.6 61.0

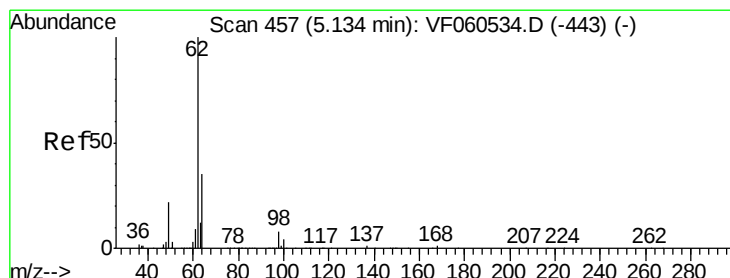
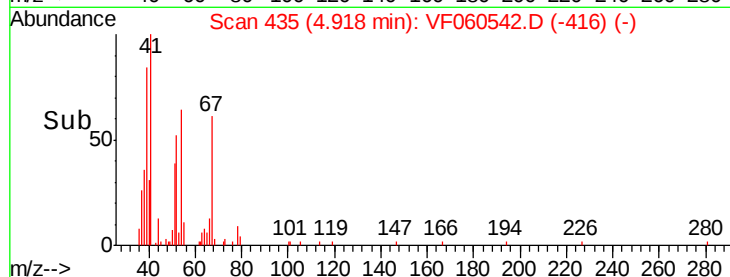
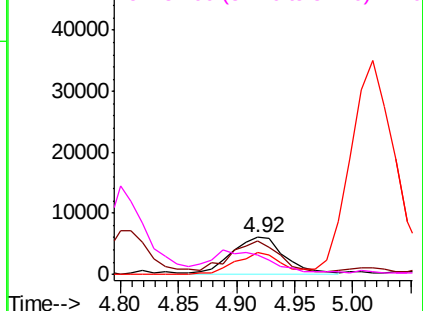


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 22.906 ug/l

RT: 5.12 min Scan# 455

Delta R.T. -0.02 min

Lab File: VF060542.D

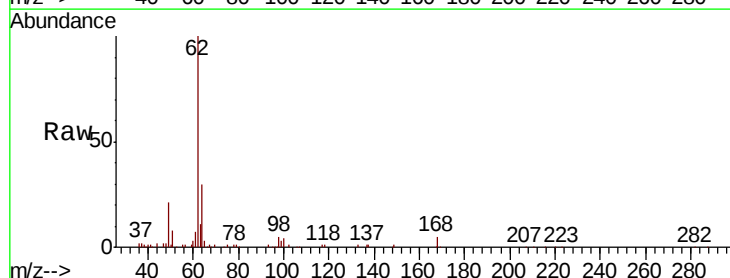
Acq: 30 Oct 2018 13:29

Tgt Ion: 62 Resp: 102068

Ion Ratio Lower Upper

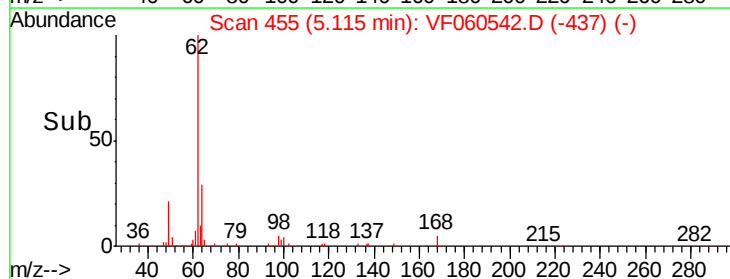
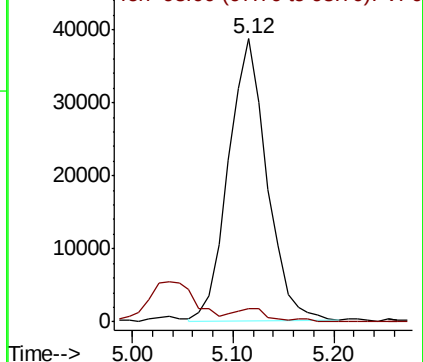
62 100

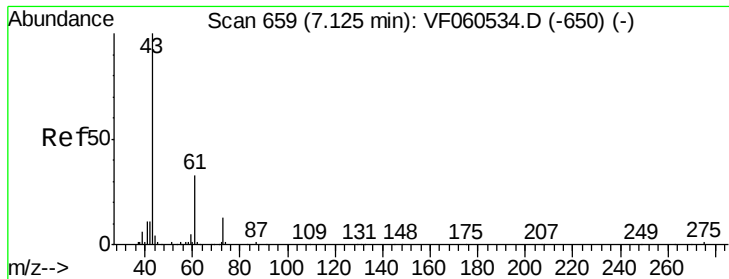
98 4.9 0.0 15.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



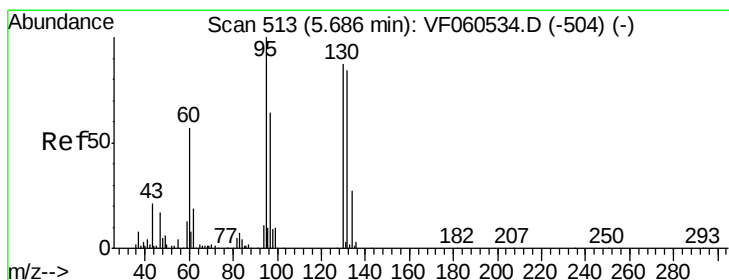
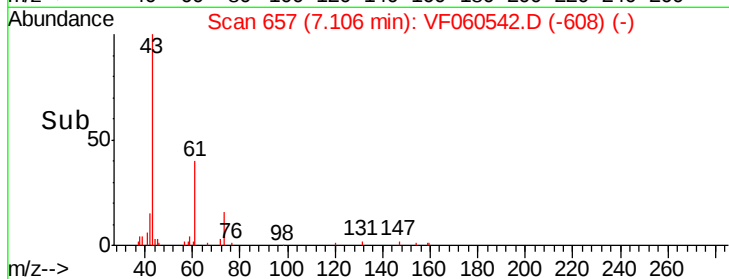
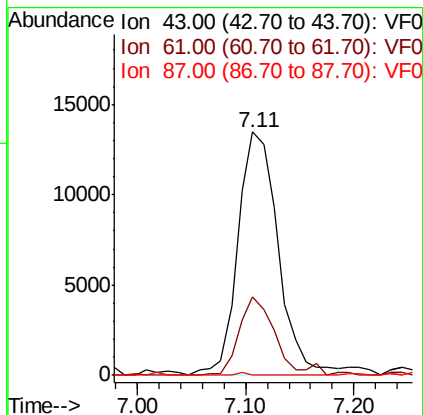
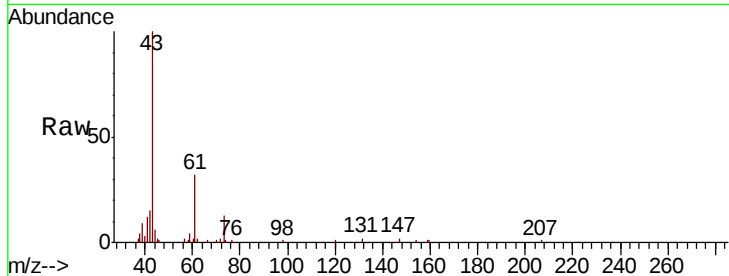


#43

Isopropyl Acetate
 Concen: 18.409 ug/l
 RT: 7.11 min Scan# 657
 Delta R.T. -0.02 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

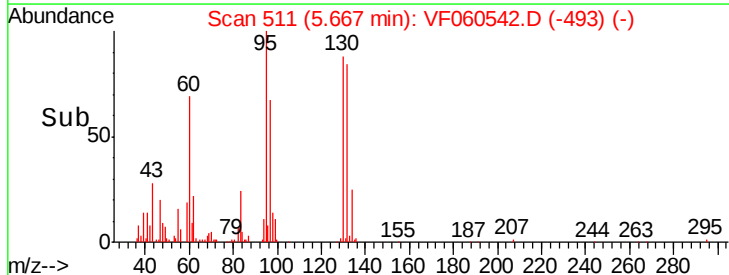
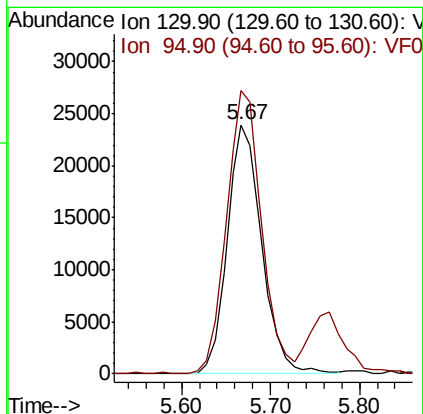
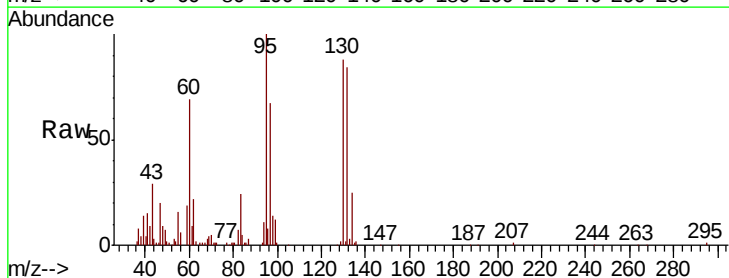
Tot Ion	Ratio	Lower	Upper
43	100		
61	32.2	26.6	40.0
87	0.0	0.6	1.0#

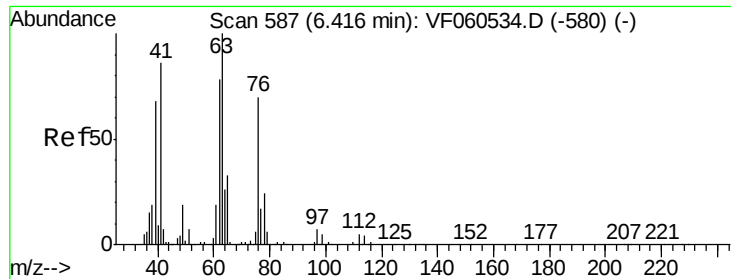


#44

Trichloroethene
 Concen: 20.801 ug/l
 RT: 5.67 min Scan# 511
 Delta R.T. -0.02 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	113.7	0.0	229.4





#45

1,2-Dichloropropane

Concen: 19.805 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

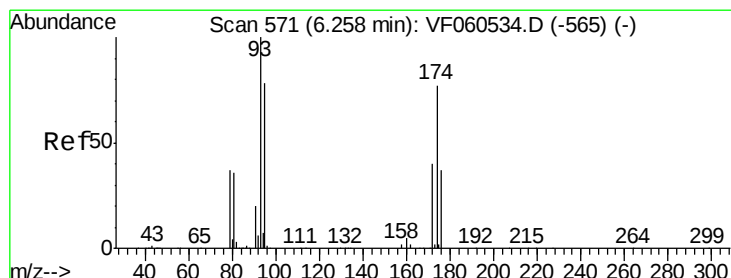
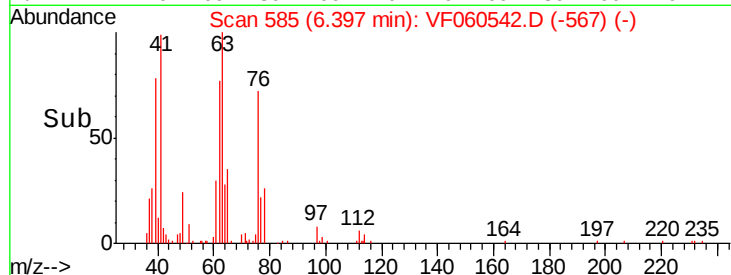
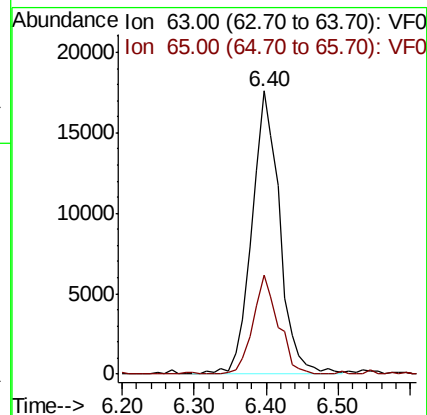
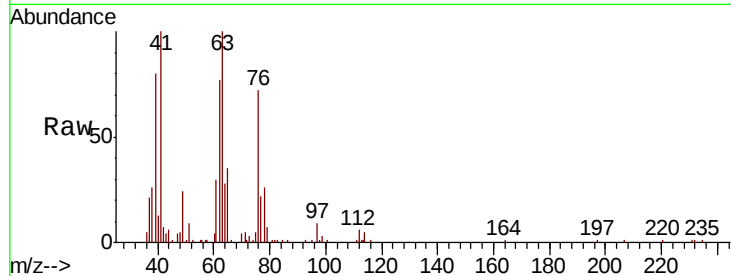
VF1030SBS01

Tot Ion: 63 Resp: 47427

Ion Ratio Lower Upper

63 100

65 34.8 26.5 39.7



#46

Dibromomethane

Concen: 21.246 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

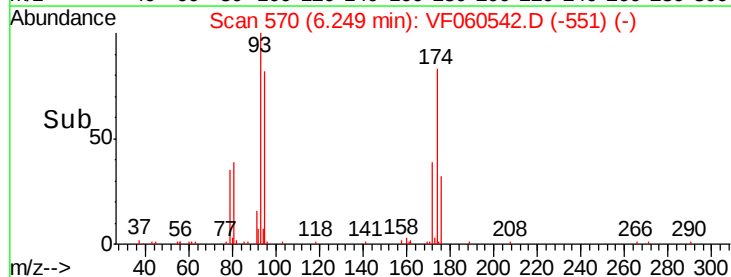
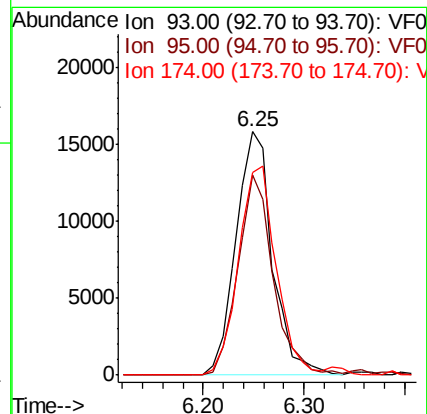
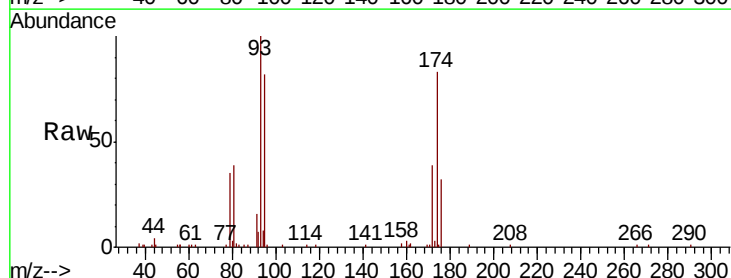
Tgt Ion: 93 Resp: 39953

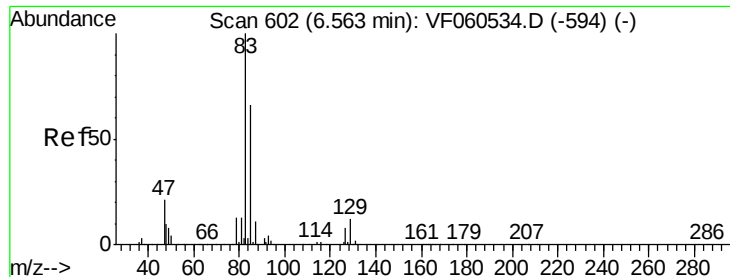
Ion Ratio Lower Upper

93 100

95 82.2 64.3 96.5

174 83.3 63.3 94.9





#47

Bromodichloromethane

Concen: 22.476 ug/l

RT: 6.54 min Scan# 600

Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

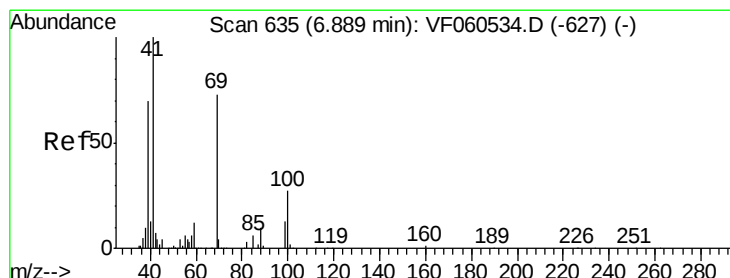
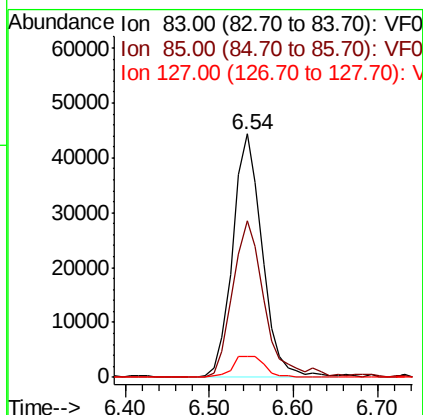
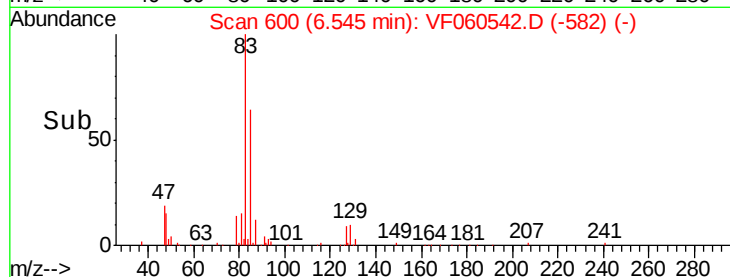
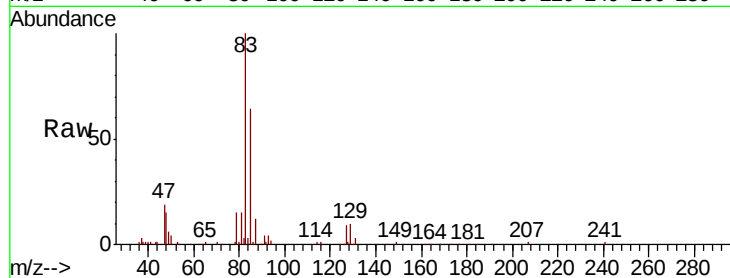
Tot Ion: 83 Resp: 108450

Ion Ratio Lower Upper

83 100

85 64.4 52.7 79.1

127 8.6 6.4 9.6



#48

Methyl methacrylate

Concen: 22.408 ug/l

RT: 6.87 min Scan# 633

Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

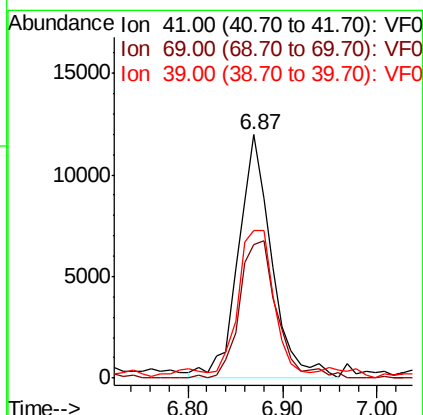
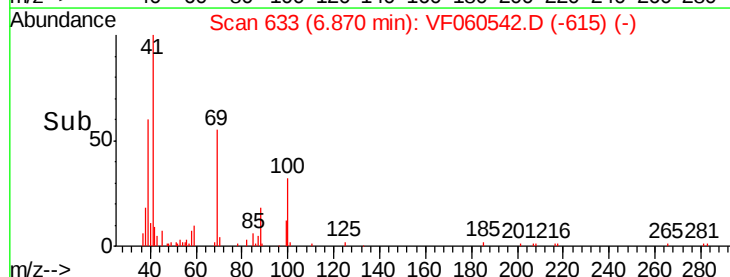
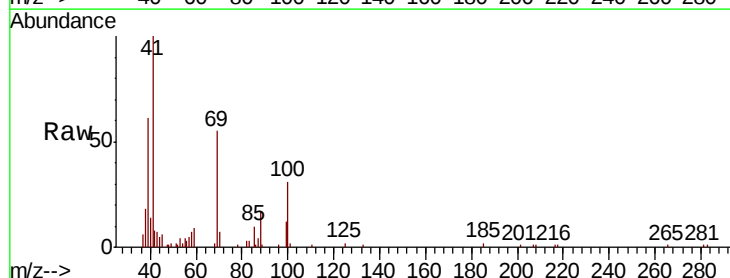
Tgt Ion: 41 Resp: 29304

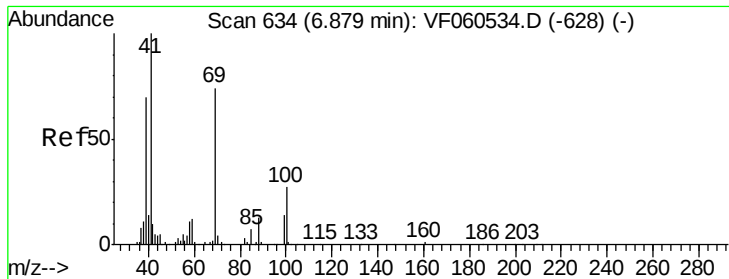
Ion Ratio Lower Upper

41 100

69 54.8 58.4 87.6#

39 60.8 56.4 84.6





#49

1,4-Dioxane

Concen: 304.231 ug/l

RT: 6.87 min Scan# 633

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

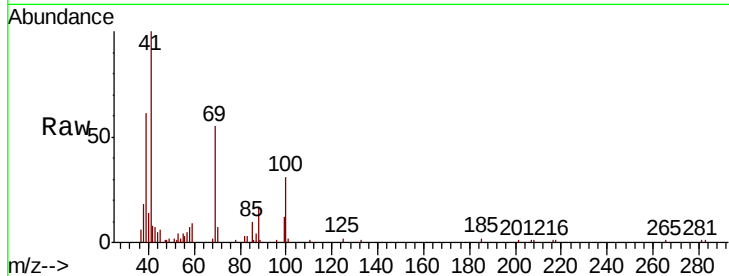
Tot Ion: 88 Resp: 3701

Ion Ratio Lower Upper

88 100

43 40.9 49.7 74.5#

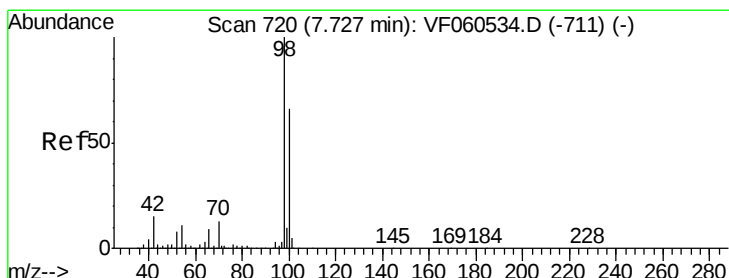
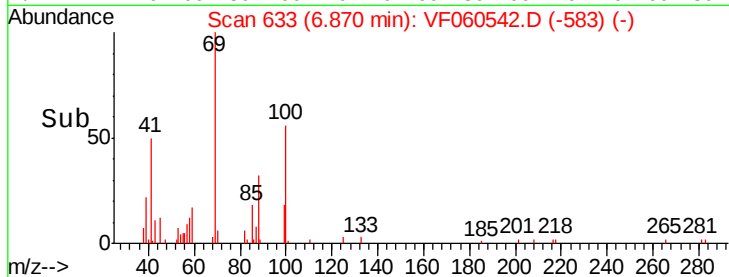
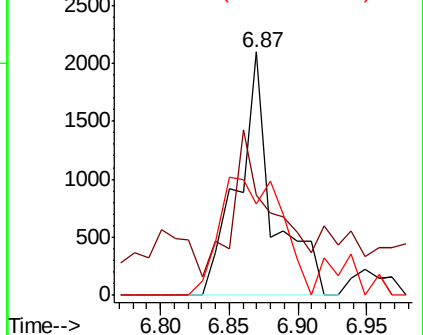
58 37.7 67.7 101.5#



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: 50.652 ug/l

RT: 7.71 min Scan# 718

Delta R.T. -0.02 min

Lab File: VF060542.D

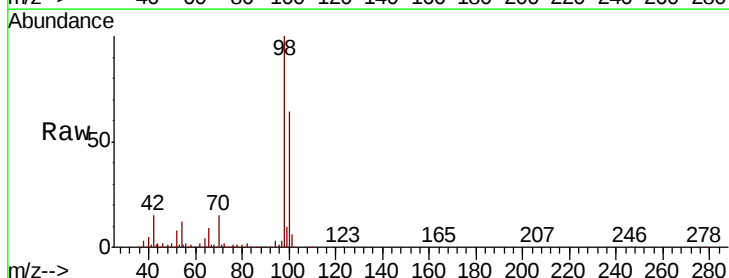
Acq: 30 Oct 2018 13:29

Tgt Ion: 98 Resp: 460944

Ion Ratio Lower Upper

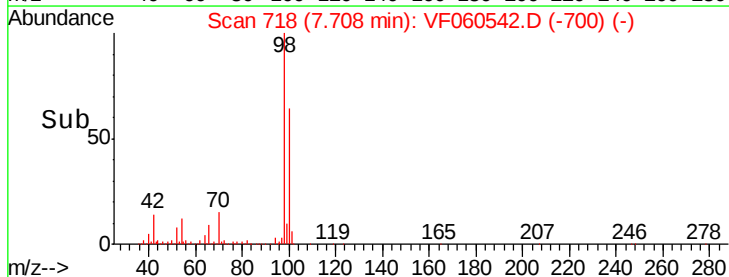
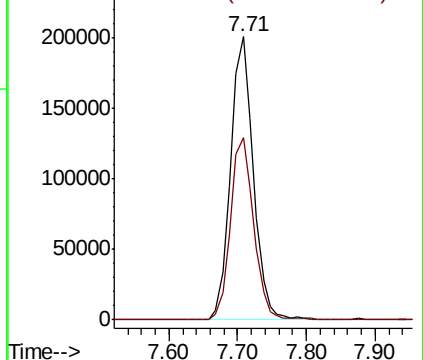
98 100

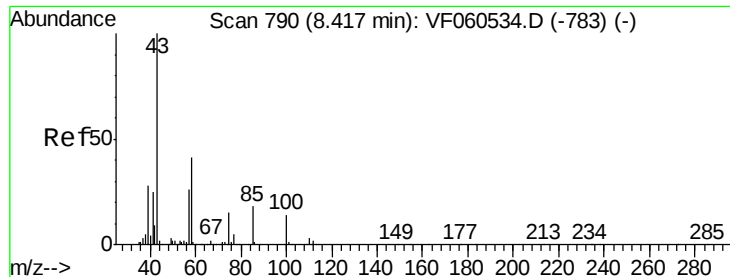
100 64.5 53.0 79.6



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: 99.506 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

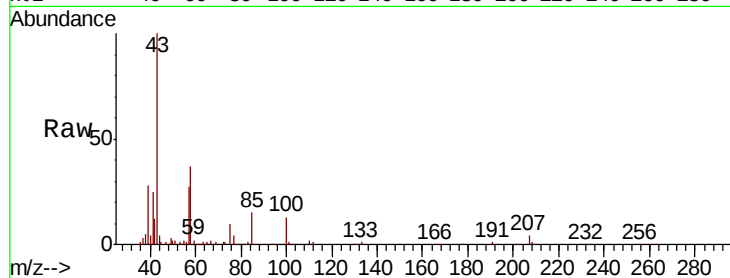
VF1030SBS01

Tot Ion: 43 Resp: 136655

Ion Ratio Lower Upper

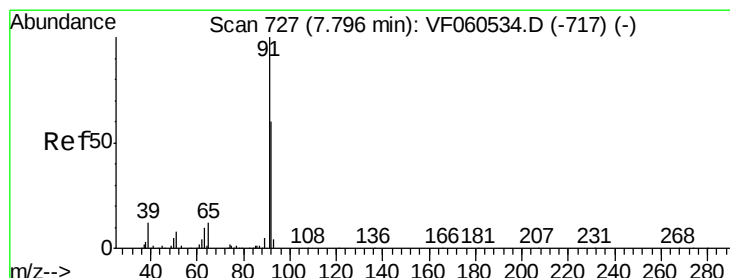
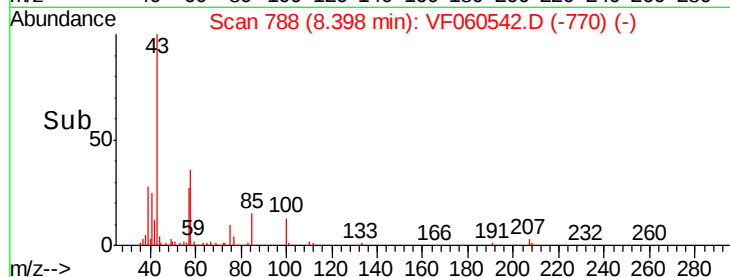
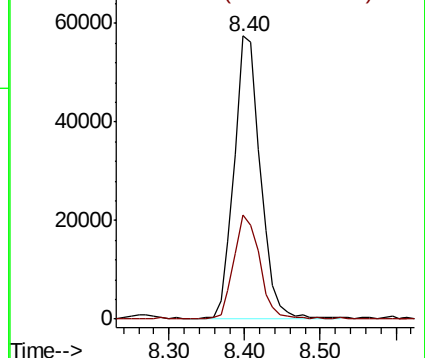
43 100

58 36.7 32.6 49.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 18.558 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.02 min

Lab File: VF060542.D

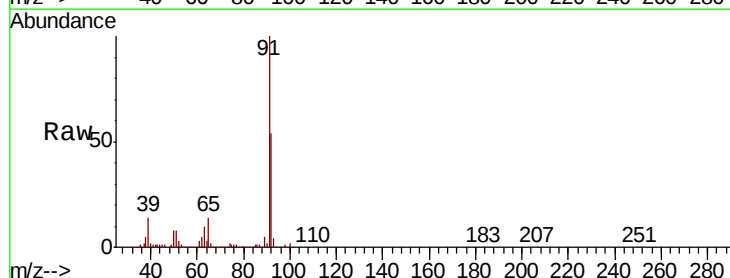
Acq: 30 Oct 2018 13:29

Tgt Ion: 92 Resp: 115609

Ion Ratio Lower Upper

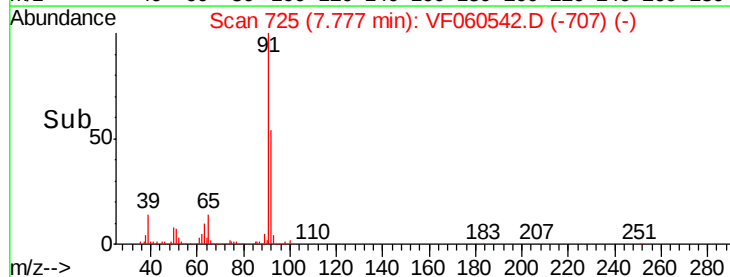
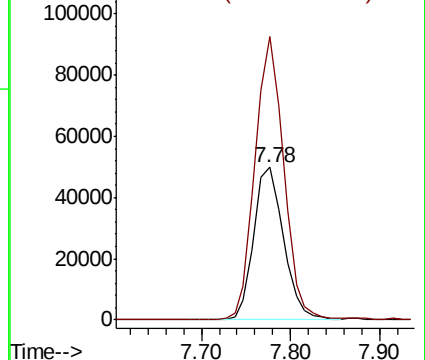
92 100

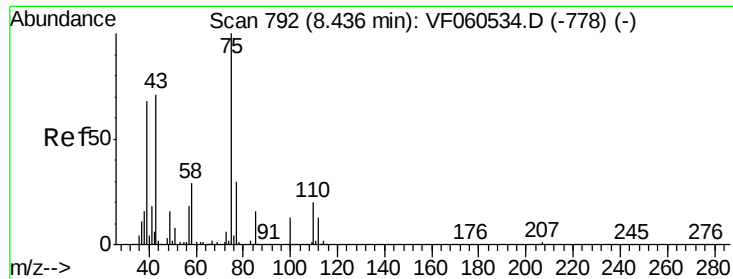
91 185.5 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 20.862 ug/l

RT: 8.43 min Scan# 791

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

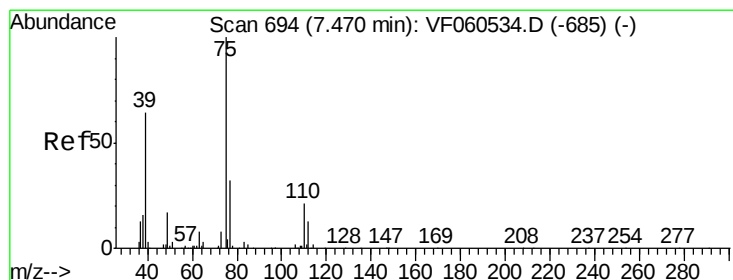
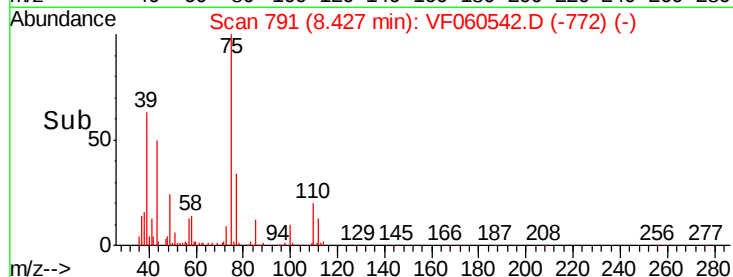
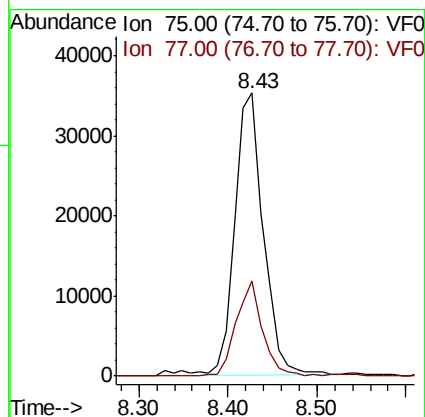
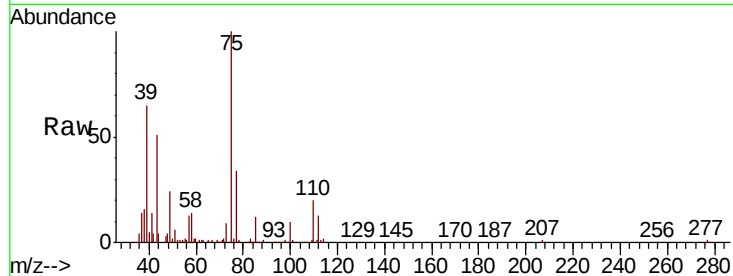
VF1030SBS01

Tot Ion: 75 Resp: 78636

Ion Ratio Lower Upper

75 100

77 33.8 24.2 36.4



#54

cis-1,3-Dichloropropene

Concen: 20.780 ug/l

RT: 7.45 min Scan# 692

Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

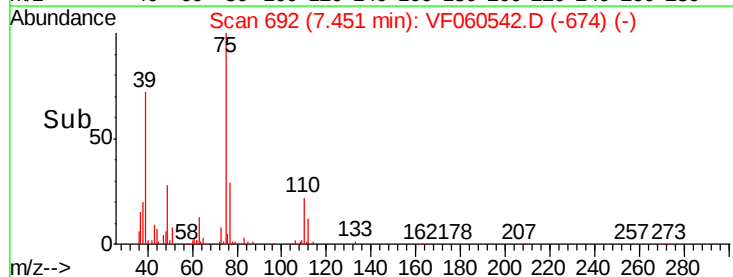
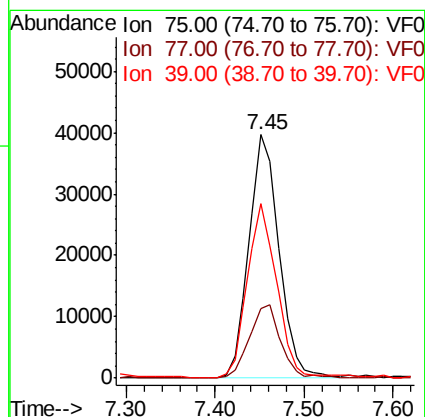
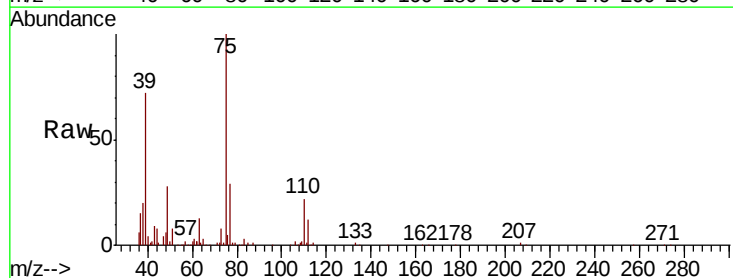
Tgt Ion: 75 Resp: 92825

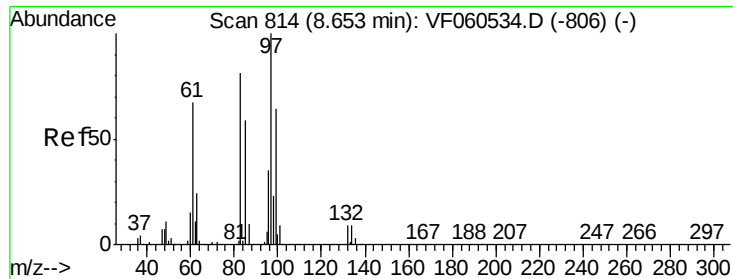
Ion Ratio Lower Upper

75 100

77 28.7 25.7 38.5

39 71.8 51.5 77.3





#55

1,1,2-Trichloroethane

Concen: 18.554 ug/l

RT: 8.63 min Scan# 812

Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tot Ion: 97 Resp: 34632

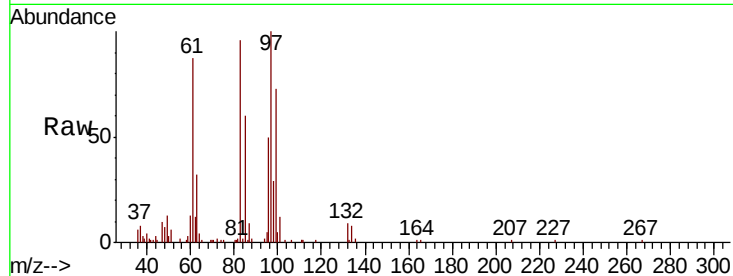
Ion Ratio Lower Upper

97 100

83 96.5 65.3 97.9

85 60.0 47.6 71.4

99 73.4 51.5 77.3

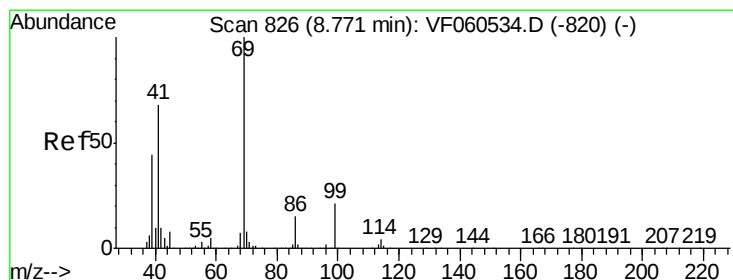
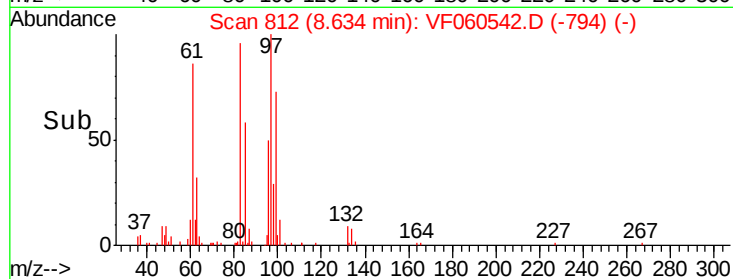
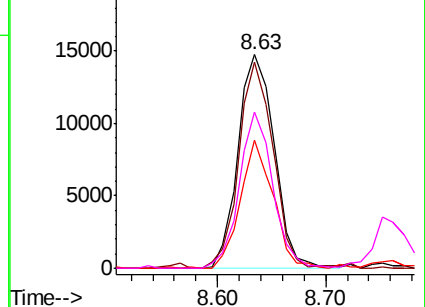


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 18.778 ug/l

RT: 8.75 min Scan# 824

Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

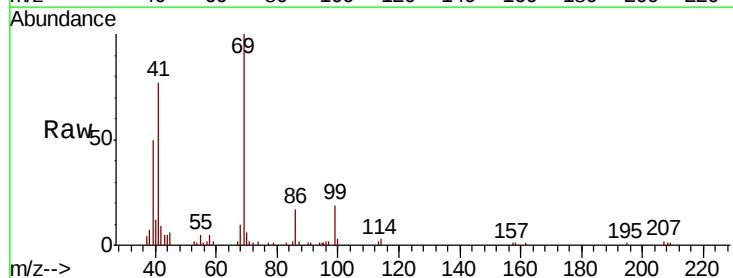
Tgt Ion: 69 Resp: 39330

Ion Ratio Lower Upper

69 100

41 77.2 55.0 82.6

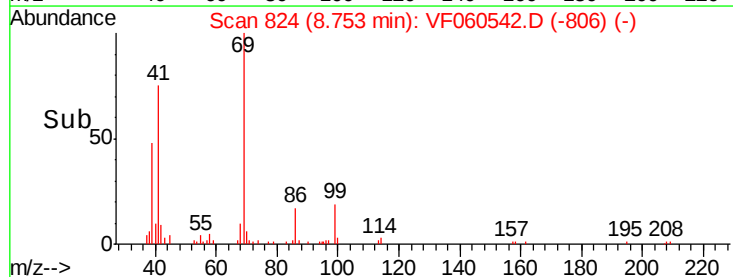
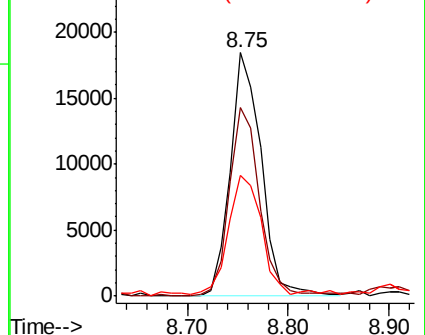
39 49.8 35.1 52.7

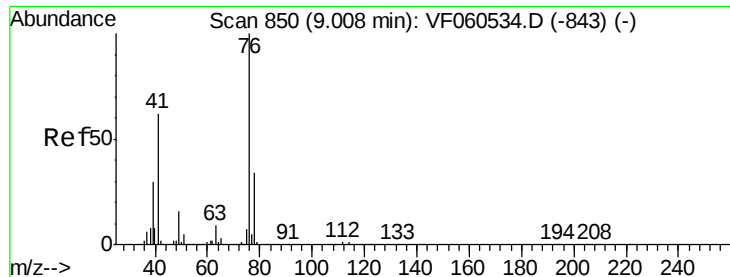


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 19.864 ug/l

RT: 9.00 min Scan# 849

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

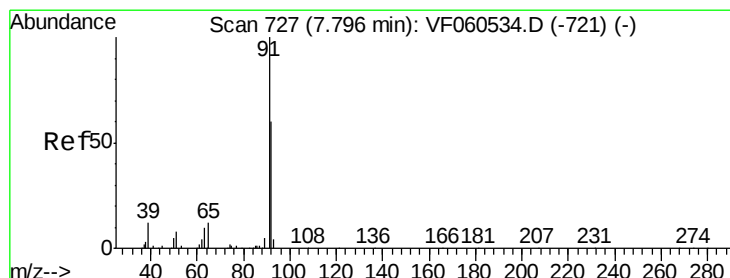
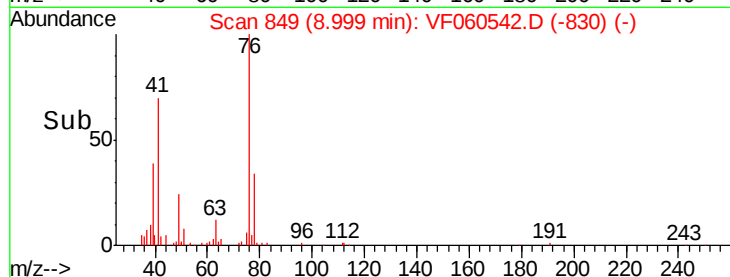
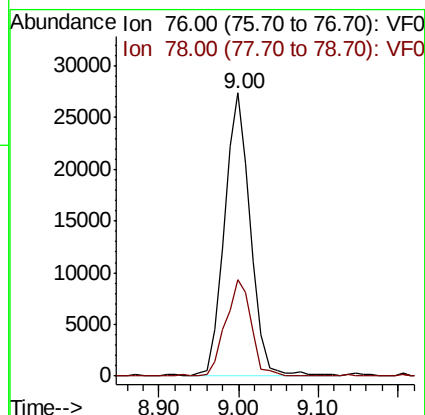
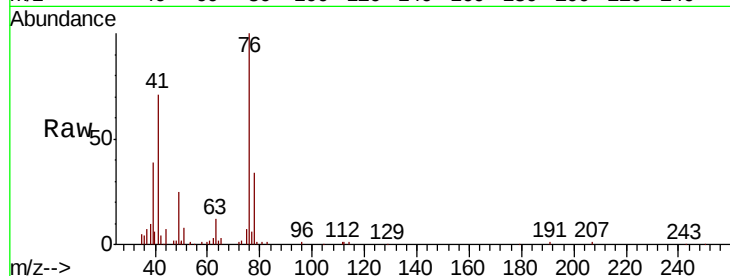
VF1030SBS01

Tot Ion: 76 Resp: 62746

Ion Ratio Lower Upper

76 100

78 34.2 27.3 40.9



#58

2-Chloroethyl Vinyl ether

Concen: 108.120 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.02 min

Lab File: VF060542.D

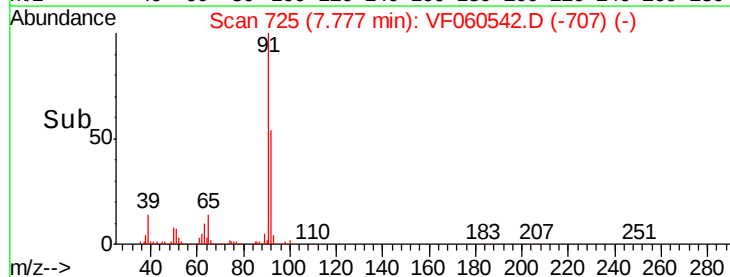
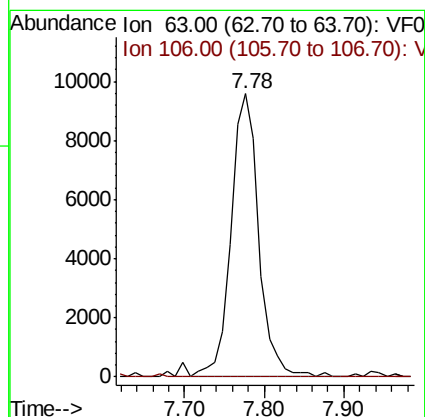
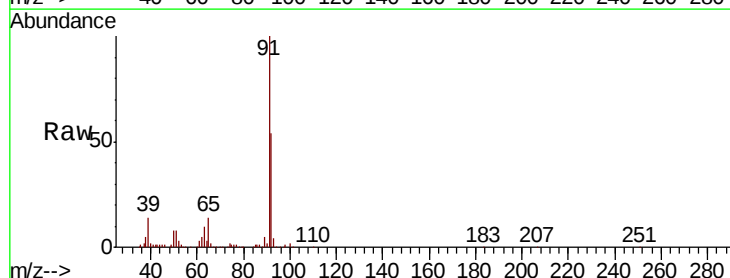
Acq: 30 Oct 2018 13:29

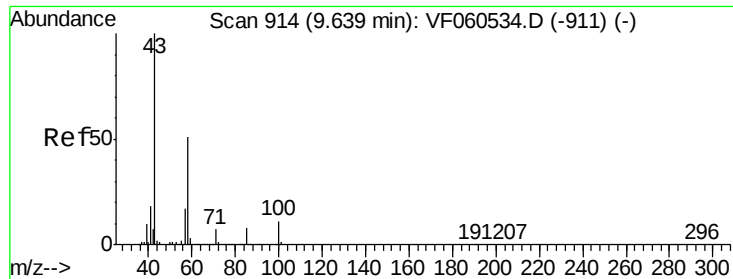
Tgt Ion: 63 Resp: 23339

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

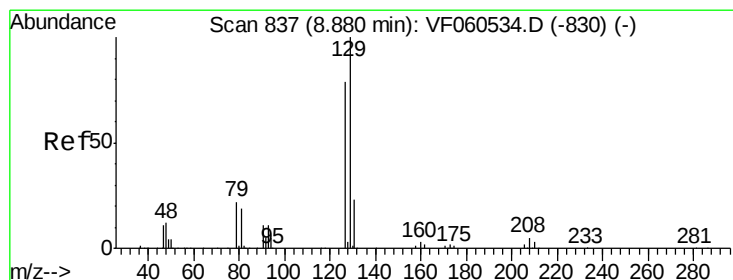
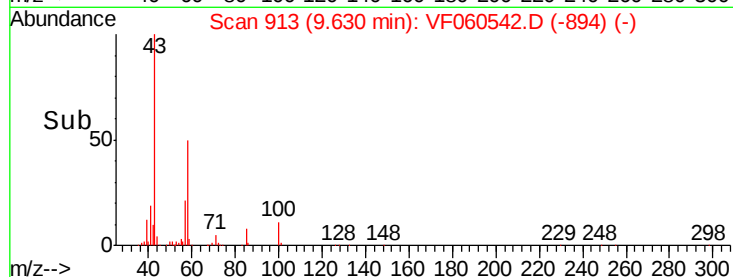
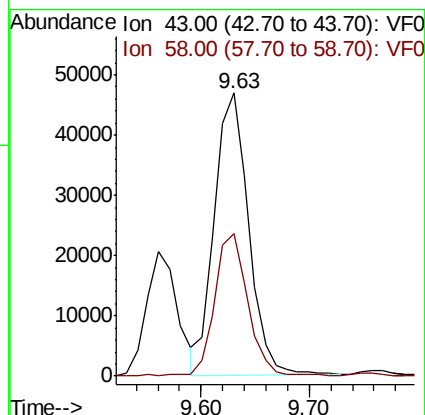
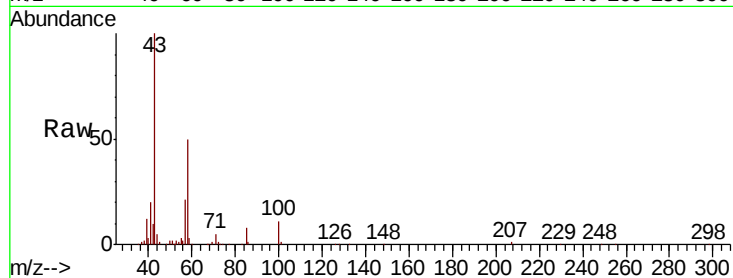




#59
2-Hexanone
Concen: 97.433 ug/l
RT: 9.63 min Scan# 913
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

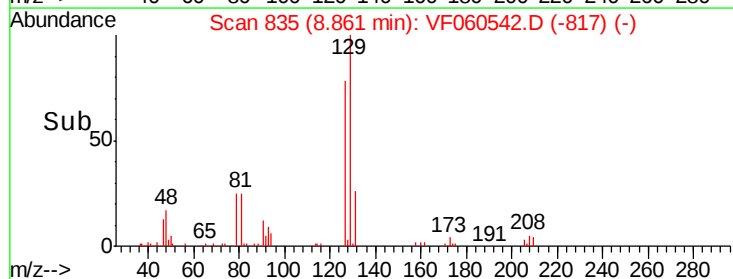
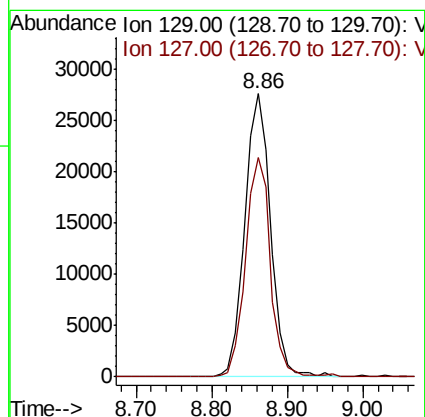
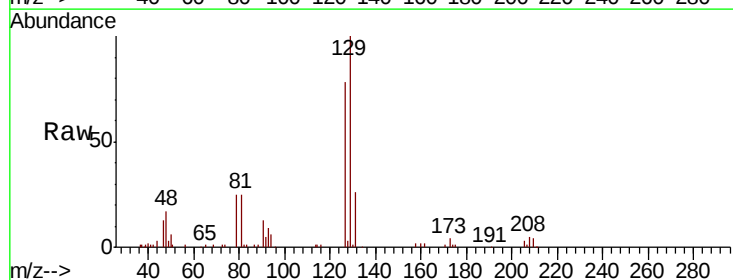
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

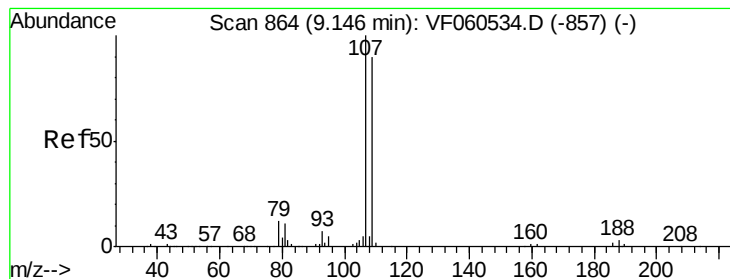
Tot Ion: 43 Resp: 102646
Ion Ratio Lower Upper
43 100
58 50.4 24.1 72.3



#60
Dibromochloromethane
Concen: 21.659 ug/l
RT: 8.86 min Scan# 835
Delta R.T. -0.02 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion: 129 Resp: 65128
Ion Ratio Lower Upper
129 100
127 77.6 39.6 119.0





#61

1,2-Dibromoethane

Concen: 19.953 ug/l

RT: 9.14 min Scan# 863

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

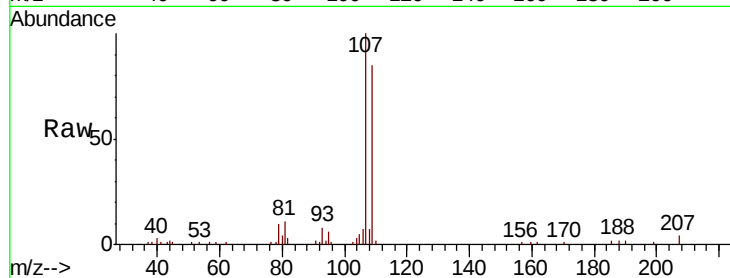
VF1030SBS01

Tot Ion:107 Resp: 43122

Ion Ratio Lower Upper

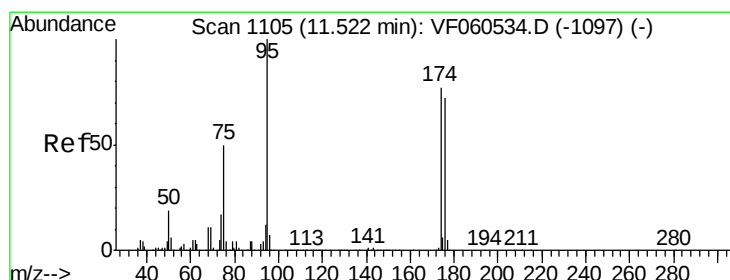
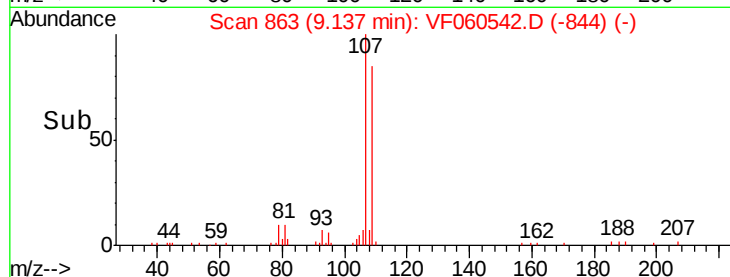
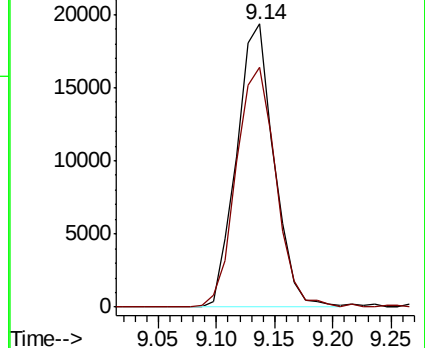
107 100

109 84.8 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: 47.626 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

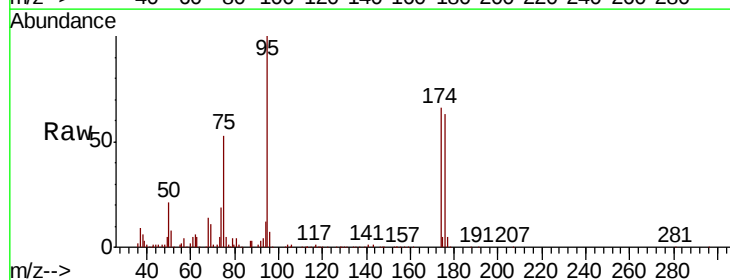
Tgt Ion: 95 Resp: 199702

Ion Ratio Lower Upper

95 100

174 65.9 0.0 153.8

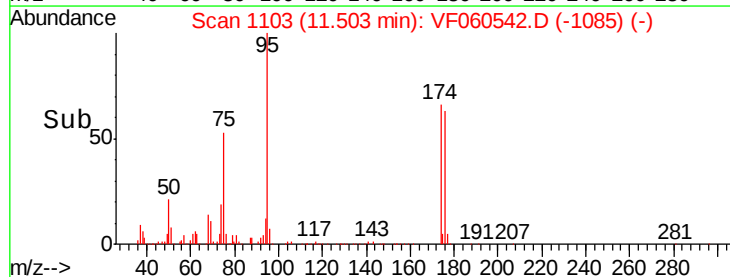
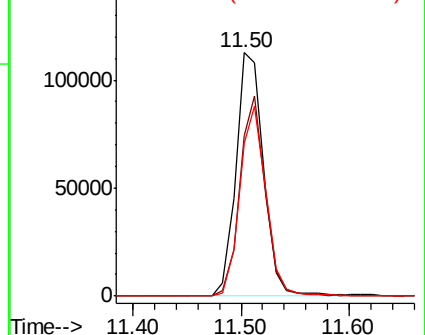
176 62.9 0.0 143.6

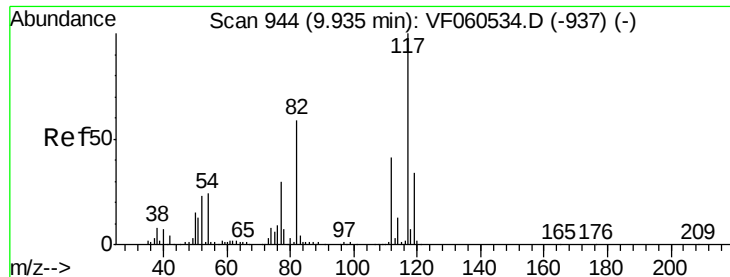


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

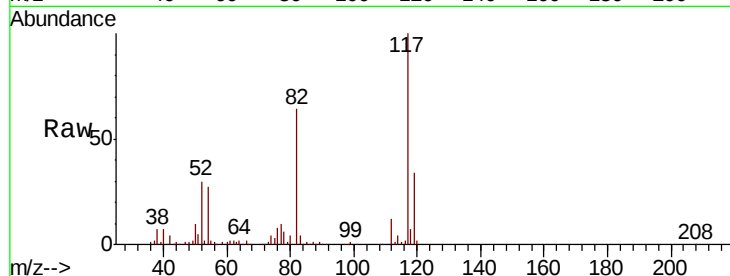




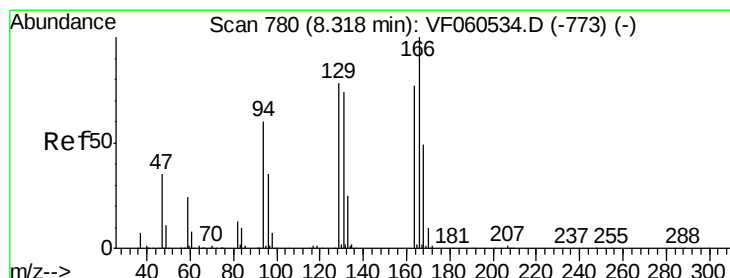
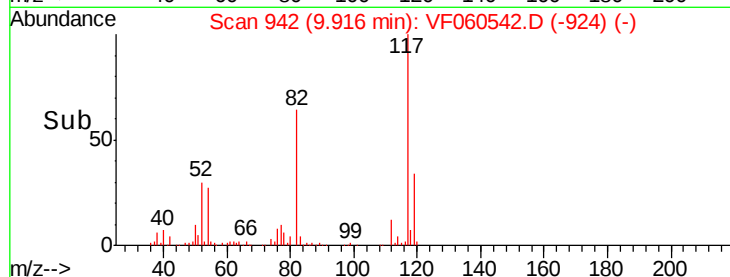
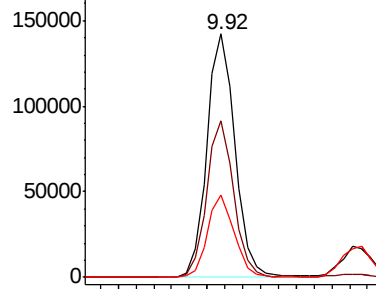
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.02 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tot Ion:117 Resp: 313453
Ion Ratio Lower Upper
117 100
82 64.5 47.6 71.4
119 34.0 27.3 40.9

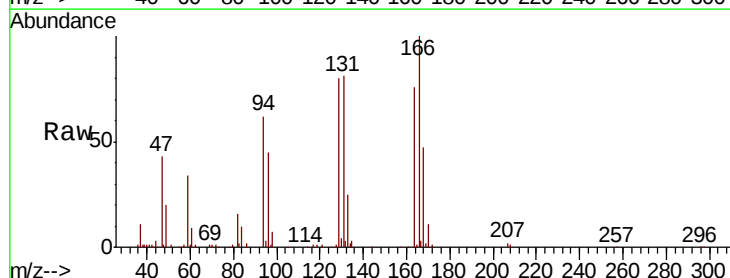


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

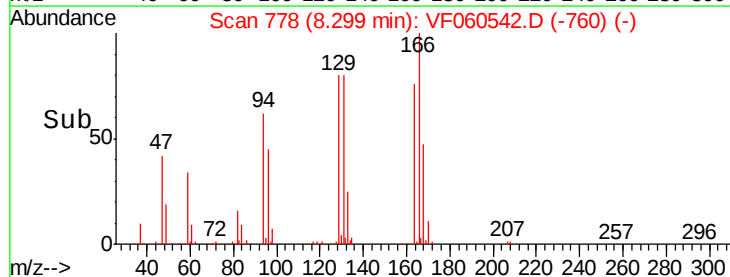
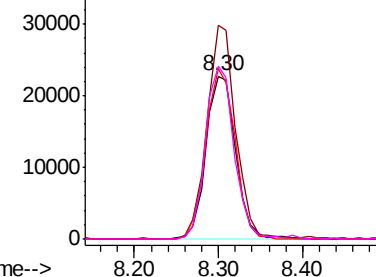


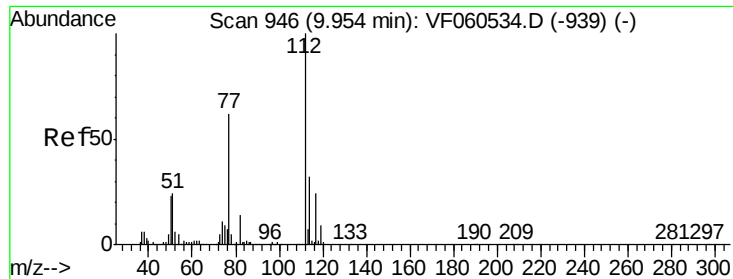
#64
Tetrachloroethene
Concen: 21.019 ug/l
RT: 8.30 min Scan# 778
Delta R.T. -0.02 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion:164 Resp: 55692
Ion Ratio Lower Upper
164 100
166 131.3 103.4 155.2
129 104.7 80.7 121.1
131 106.1 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

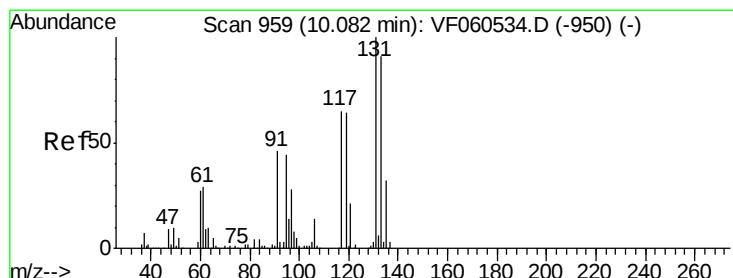
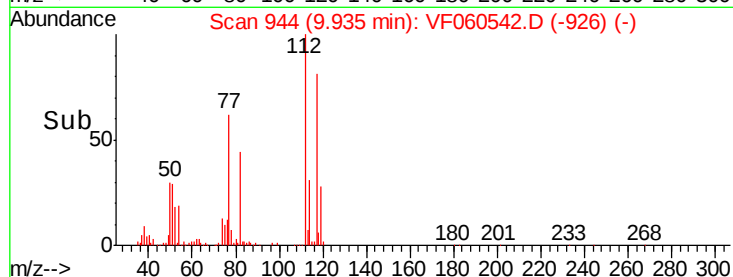
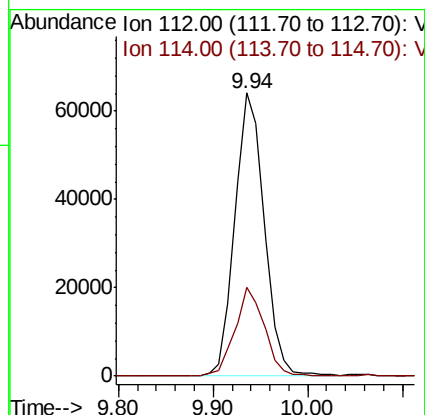
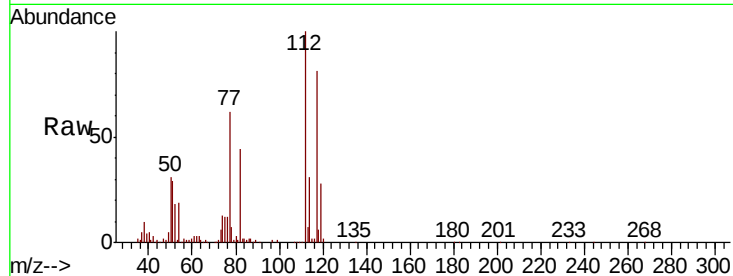




#65
Chlorobenzene
Concen: 21.962 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.02 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

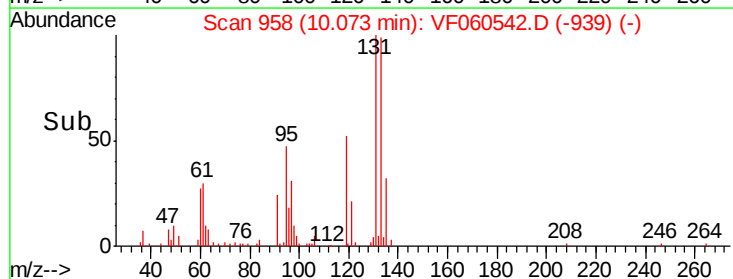
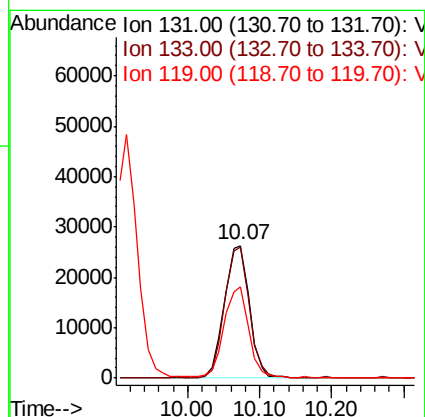
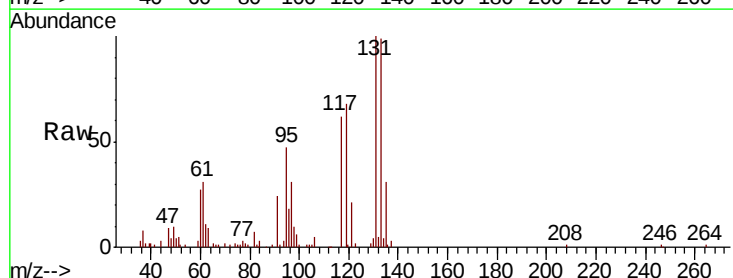
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

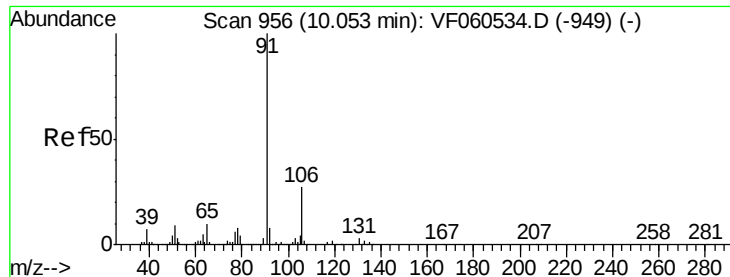
Tot Ion:112 Resp: 138503
Ion Ratio Lower Upper
112 100
114 31.5 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 22.017 ug/l
RT: 10.07 min Scan# 958
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion:131 Resp: 63270
Ion Ratio Lower Upper
131 100
133 98.9 45.8 137.3
119 68.6 32.4 97.0





#67

Ethyl Benzene

Concen: 21.713 ug/l

RT: 10.03 min Scan# 954

Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

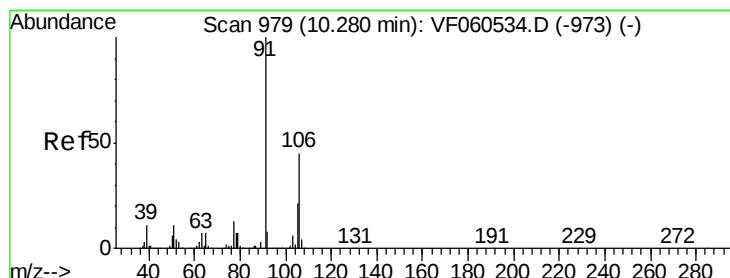
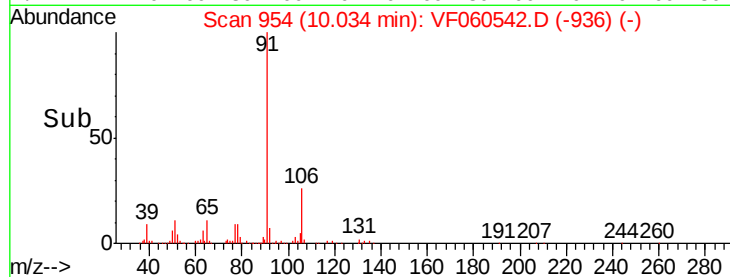
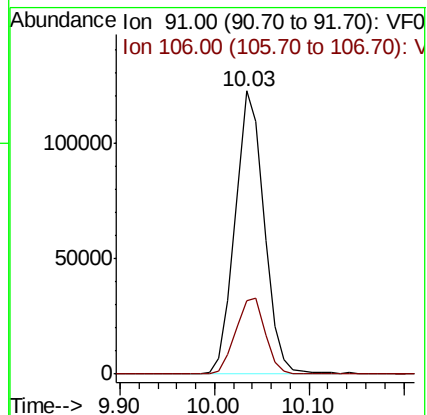
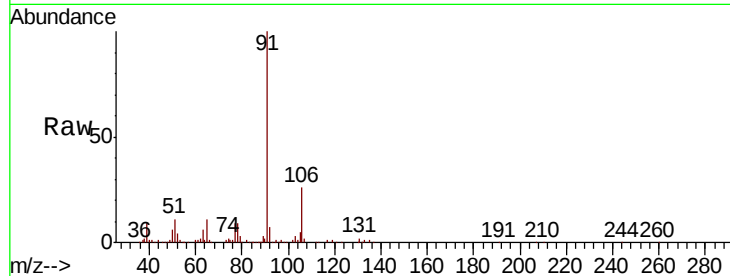
VF1030SBS01

Tot Ion: 91 Resp: 261637

Ion Ratio Lower Upper

91 100

106 26.0 21.9 32.9



#68

m/p-Xylenes

Concen: 43.770 ug/l

RT: 10.26 min Scan# 977

Delta R.T. -0.02 min

Lab File: VF060542.D

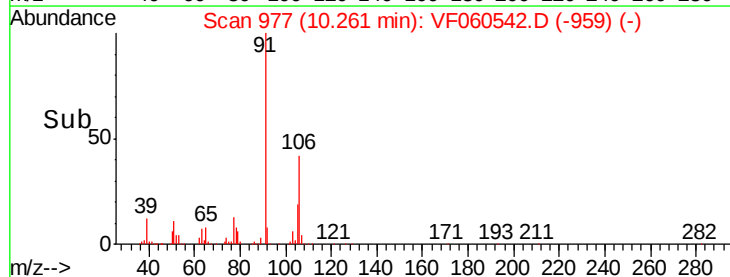
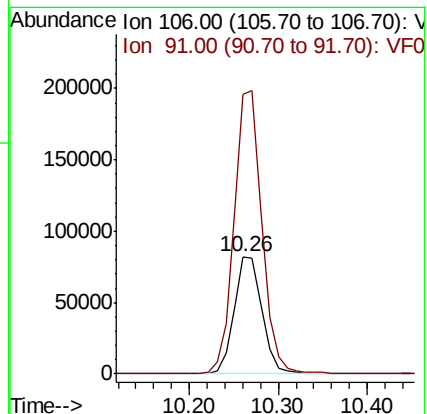
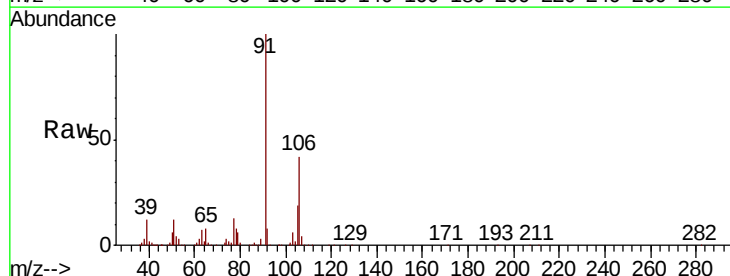
Acq: 30 Oct 2018 13:29

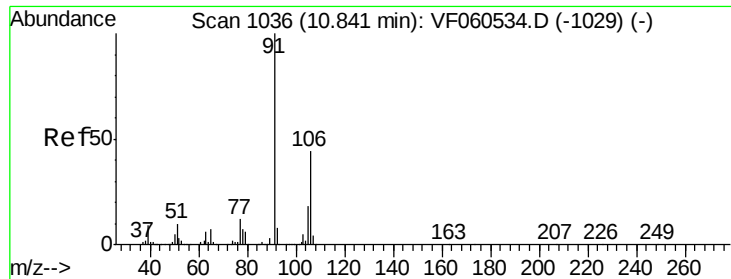
Tgt Ion: 106 Resp: 180122

Ion Ratio Lower Upper

106 100

91 239.1 176.2 264.2

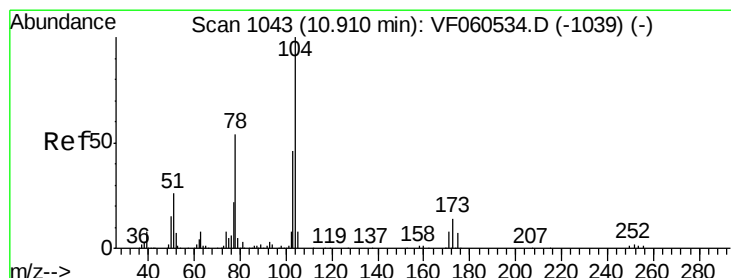
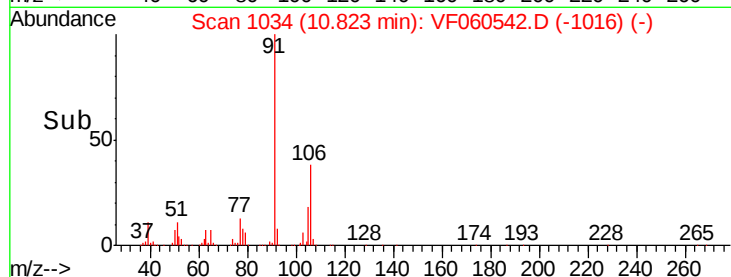
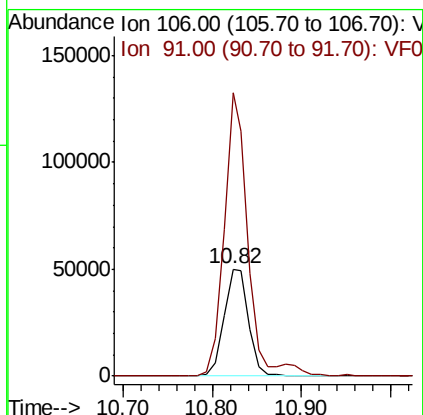
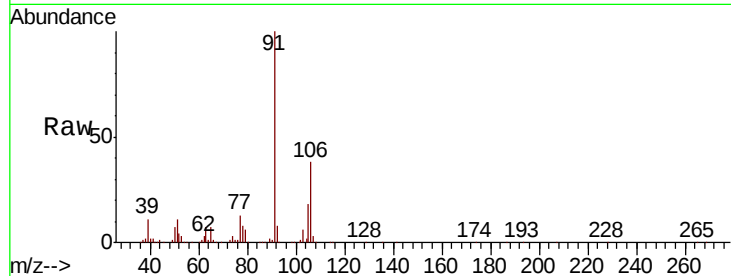




#69
o-Xylene
Concen: 21.018 ug/l
RT: 10.82 min Scan# 1034
Delta R.T. -0.02 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

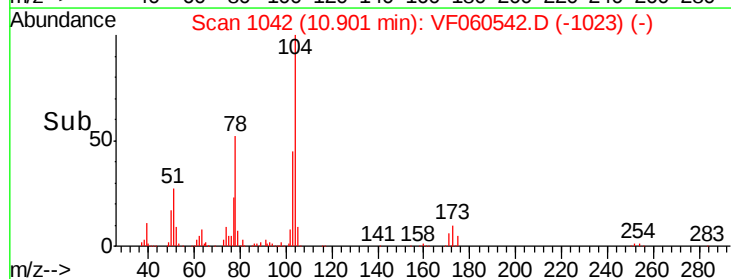
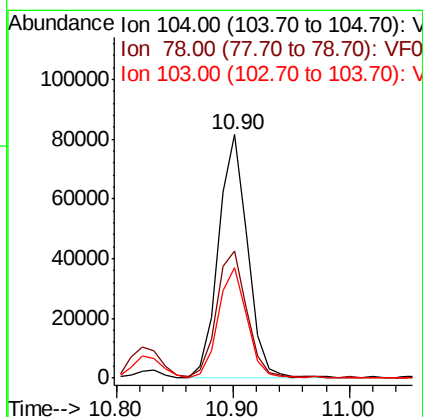
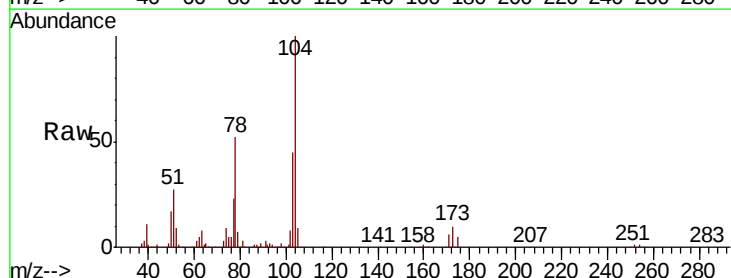
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

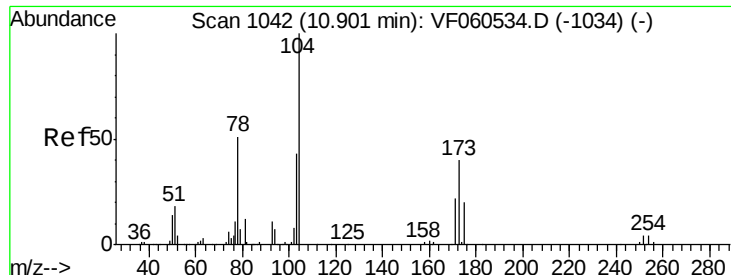
Tot Ion:106 Resp: 97407
Ion Ratio Lower Upper
106 100
91 263.6 112.9 338.8



#70
Styrene
Concen: 21.450 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion:104 Resp: 140156
Ion Ratio Lower Upper
104 100
78 52.3 43.4 65.2
103 45.3 36.9 55.3





#71

Bromoform

Concen: 21.383 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

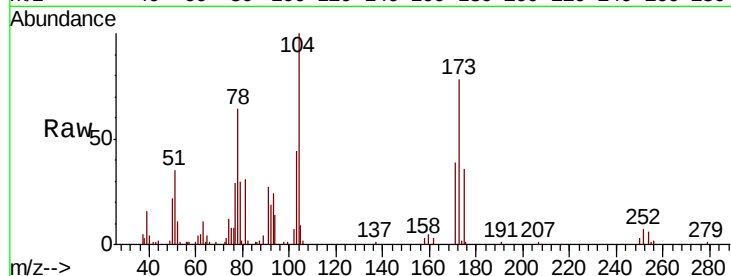
Tot Ion:173 Resp: 31695

Ion Ratio Lower Upper

173 100

175 46.9 25.7 77.0

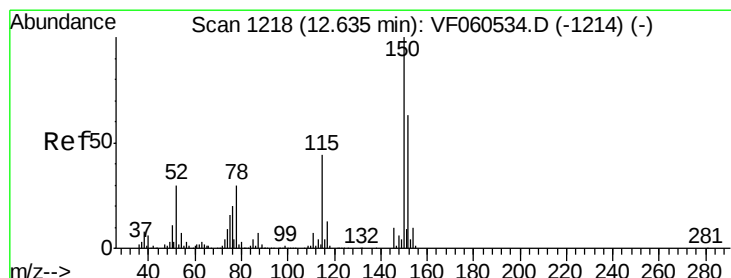
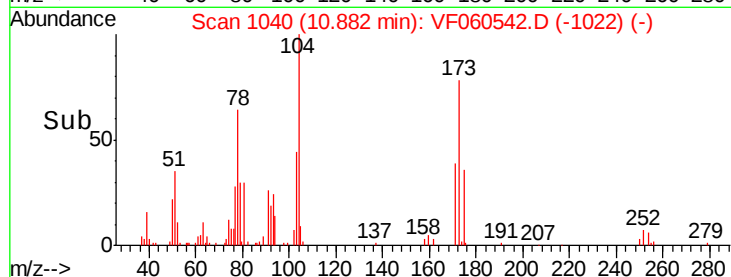
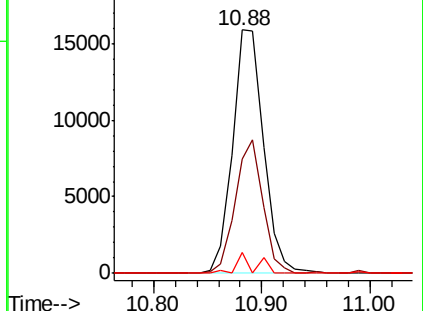
254 8.6 7.8 11.6



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

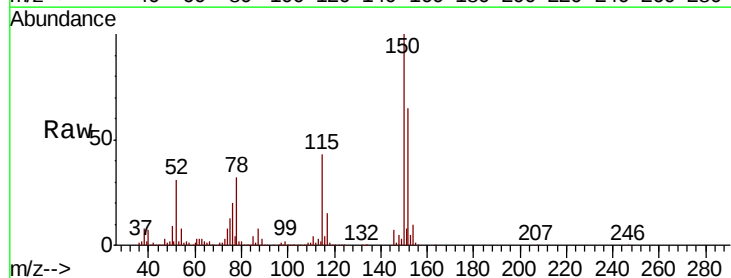
Tgt Ion:152 Resp: 185800

Ion Ratio Lower Upper

152 100

115 66.4 34.7 104.1

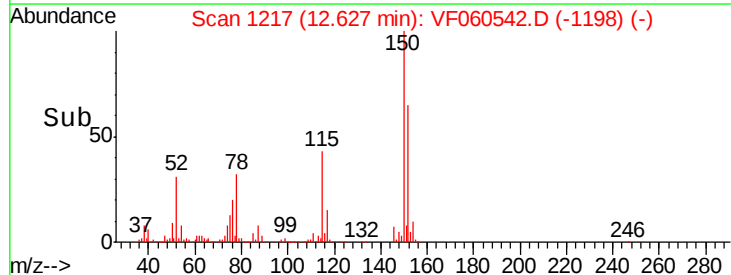
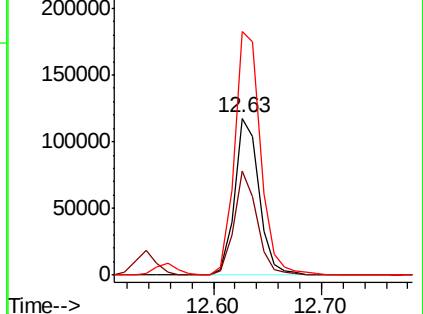
150 155.0 0.0 318.4

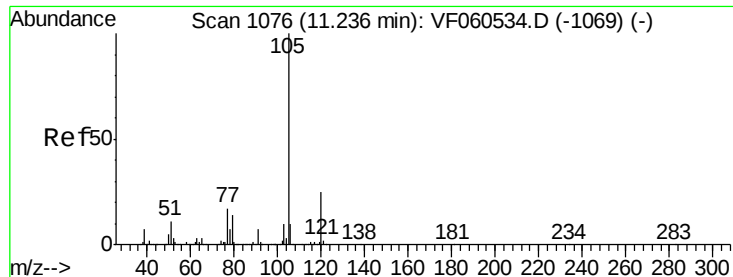


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.298 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

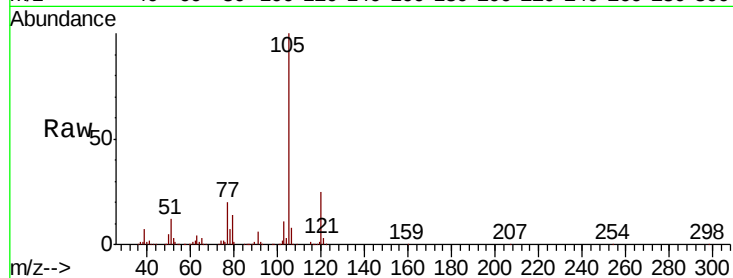
VF1030SBS01

Tot Ion:105 Resp: 330900

Ion Ratio Lower Upper

105 100

120 24.9 12.3 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

200000

150000

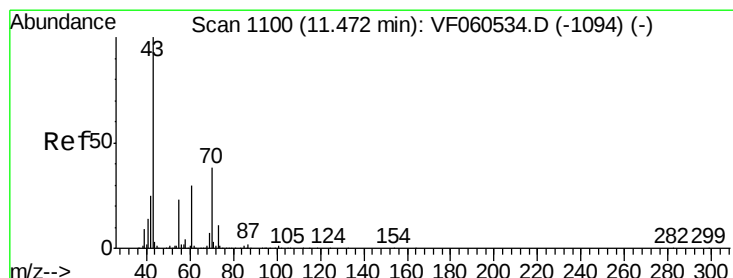
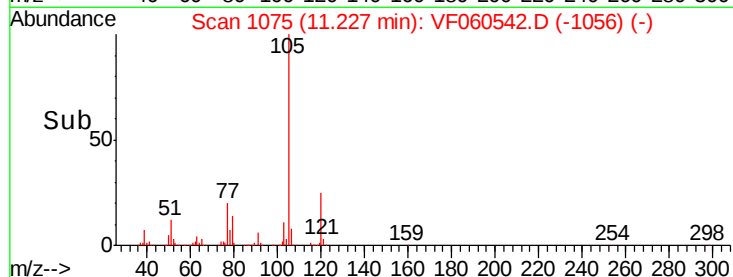
100000

50000

0

11.20 11.40

Time-->



#74

N-ethyl acetate

Concen: 18.061 ug/l

RT: 11.46 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Tgt Ion: 43 Resp: 51372

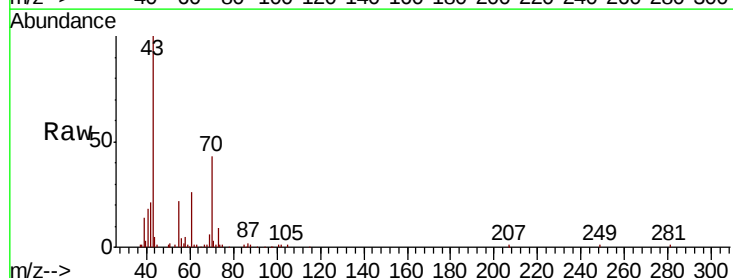
Ion Ratio Lower Upper

43 100

70 42.6 30.8 46.2

55 22.2 18.2 27.4

61 26.0 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

50000

40000

30000

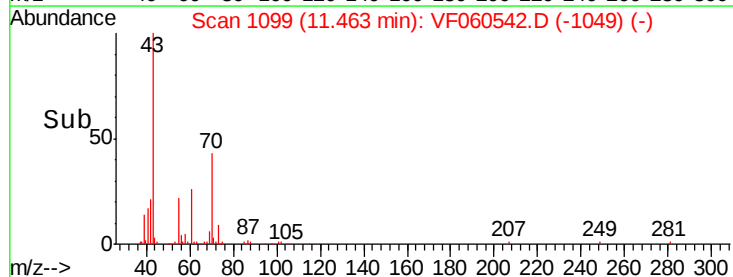
20000

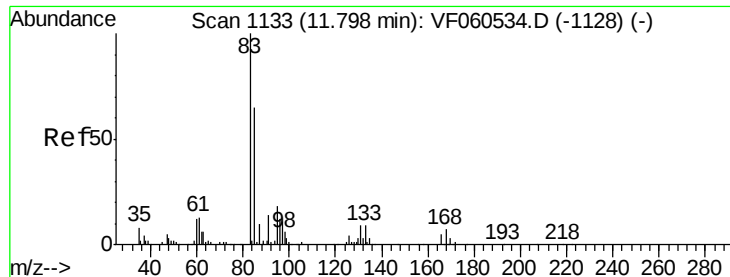
10000

0

11.40 11.50 11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.132 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.02 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

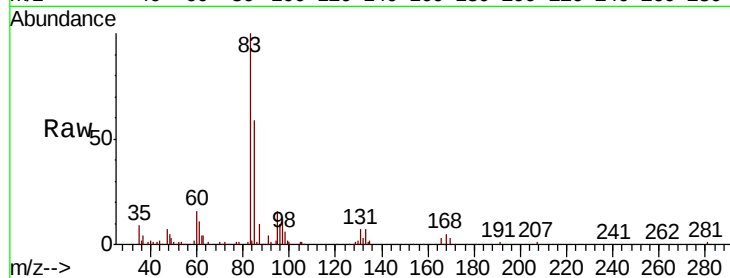
Tot Ion: 83 Resp: 50084

Ion Ratio Lower Upper

83 100

131 7.2 4.7 14.0

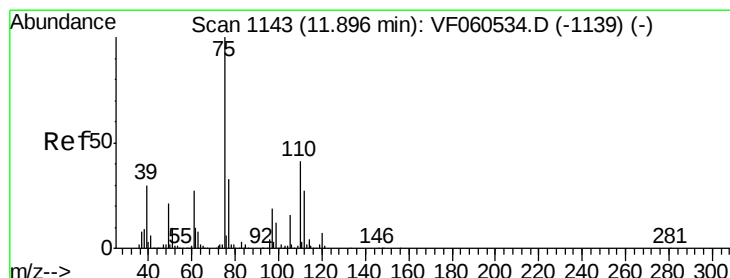
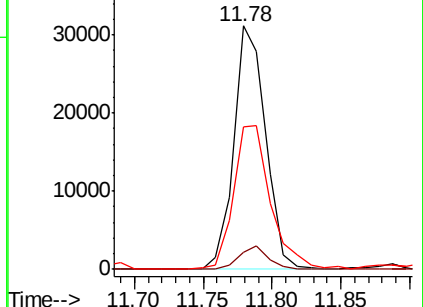
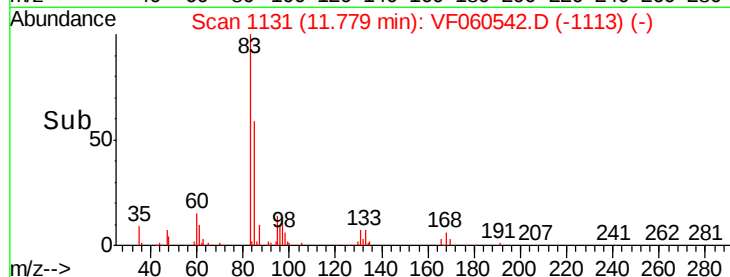
85 58.7 32.4 97.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 21.930 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF060542.D

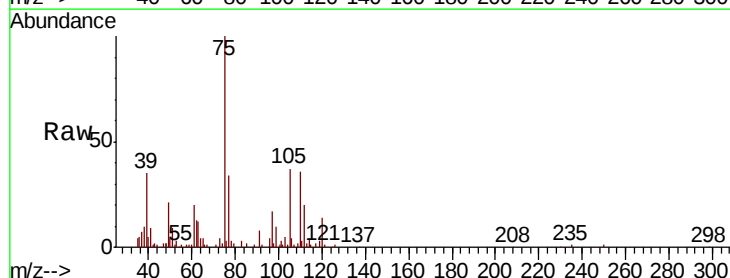
Acq: 30 Oct 2018 13:29

Tgt Ion: 75 Resp: 39098

Ion Ratio Lower Upper

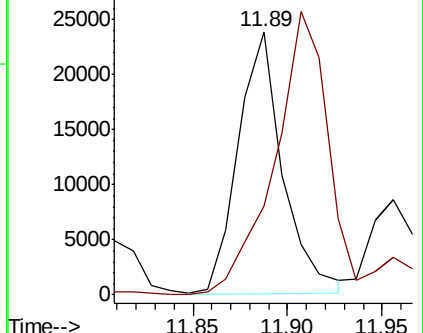
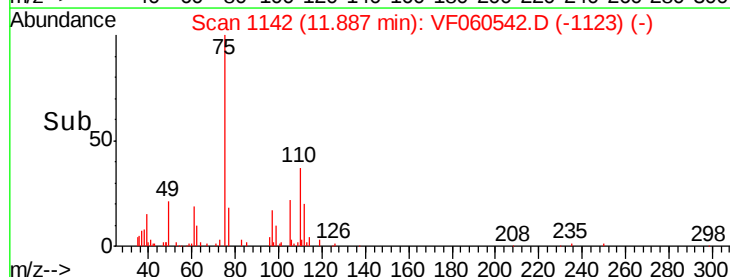
75 100

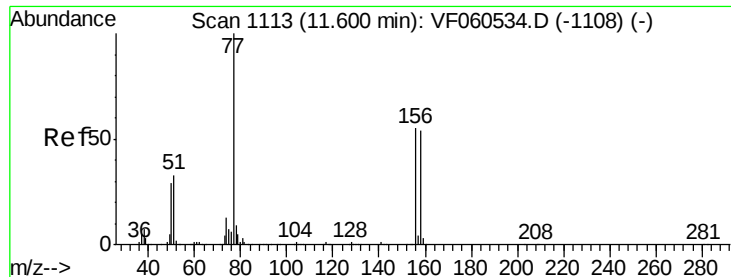
77 33.8 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.639 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

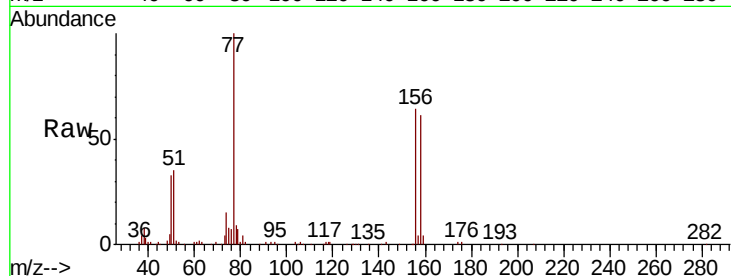
Tot Ion:156 Resp: 67620

Ion Ratio Lower Upper

156 100

77 155.7 91.3 274.1

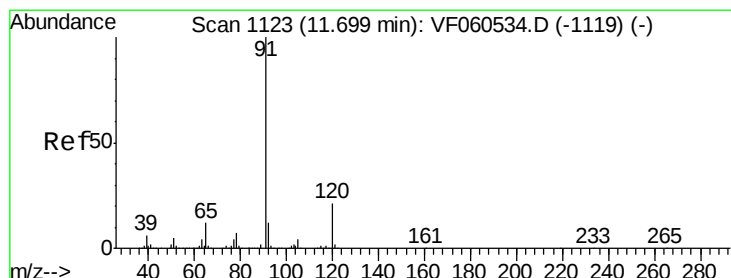
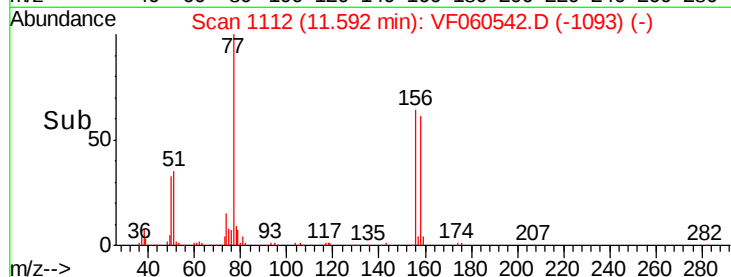
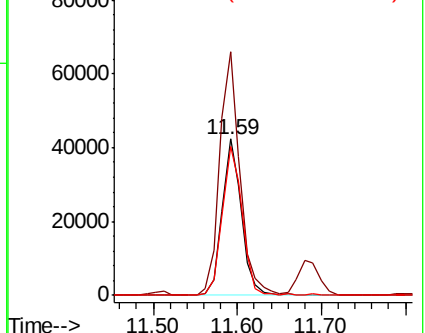
158 95.5 49.3 147.9



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: 21.734 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060542.D

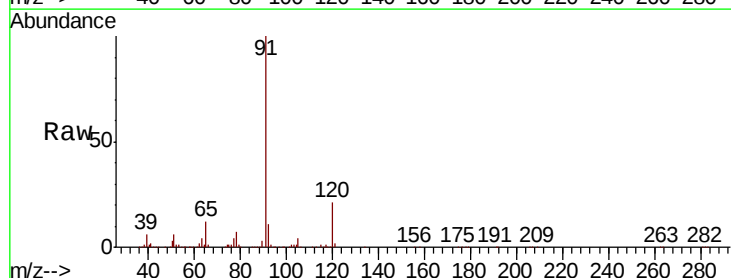
Acq: 30 Oct 2018 13:29

Tgt Ion: 91 Resp: 366127

Ion Ratio Lower Upper

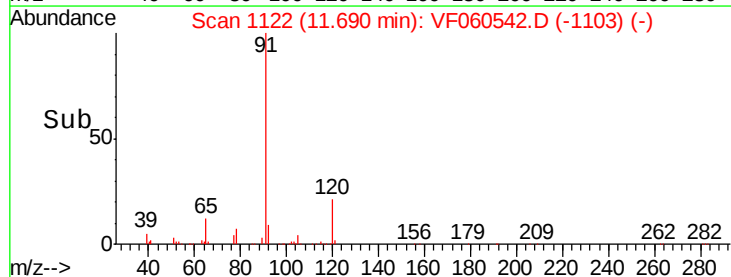
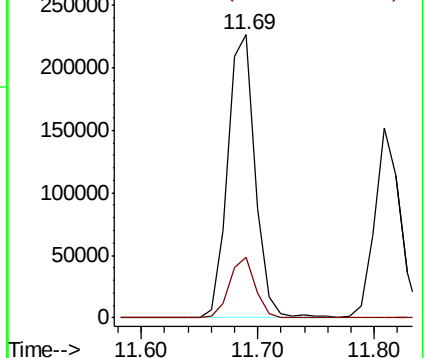
91 100

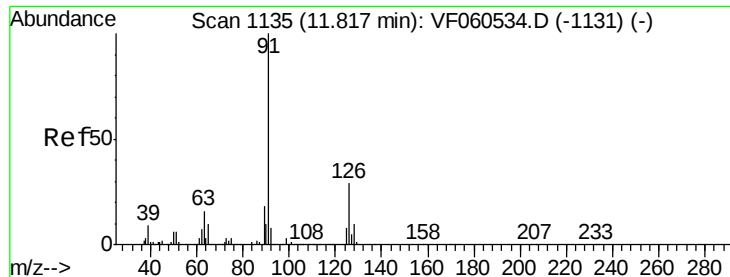
120 21.2 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.342 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

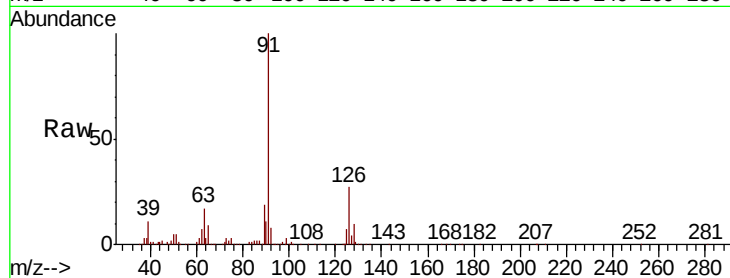
VF1030SBS01

Tot Ion: 91 Resp: 225270

Ion Ratio Lower Upper

91 100

126 27.4 14.2 42.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

150000

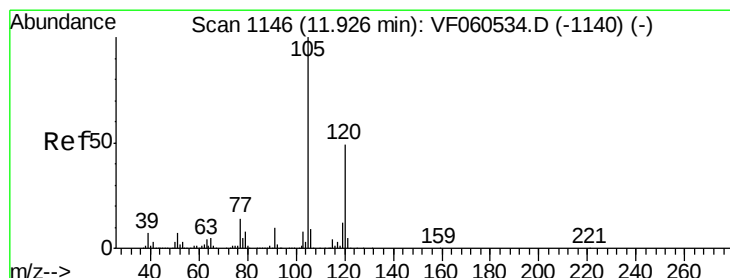
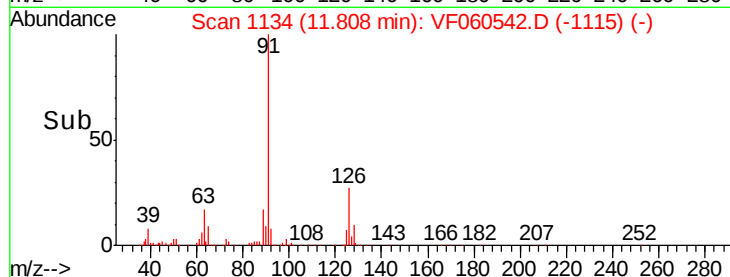
100000

50000

0

11.75 11.80 11.85

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.590 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. -0.02 min

Lab File: VF060542.D

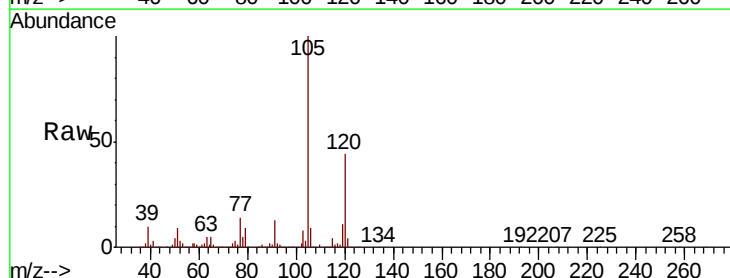
Acq: 30 Oct 2018 13:29

Tgt Ion:105 Resp: 277222

Ion Ratio Lower Upper

105 100

120 43.5 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

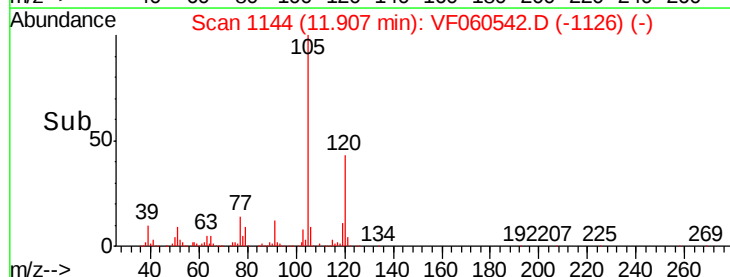
100000

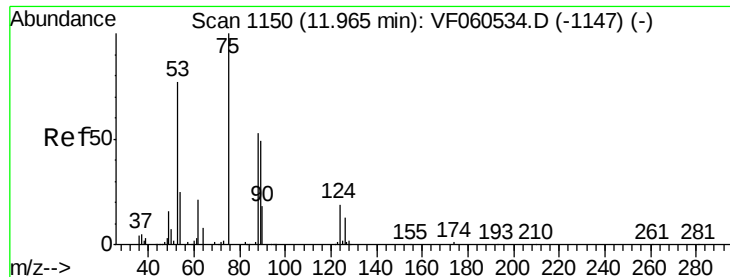
50000

0

11.80 11.90 12.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 29.217 ug/l

RT: 11.96 min Scan# 1149

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

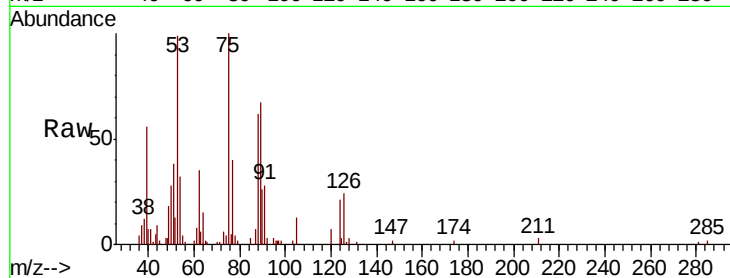
Tot Ion: 75 Resp: 22752

Ion Ratio Lower Upper

75 100

53 99.3 65.8 98.6#

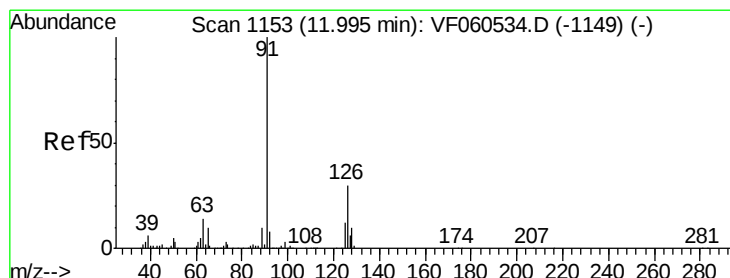
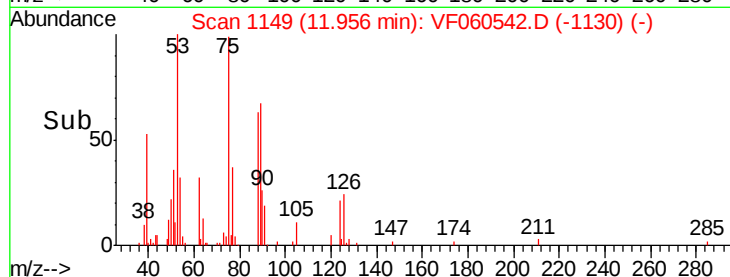
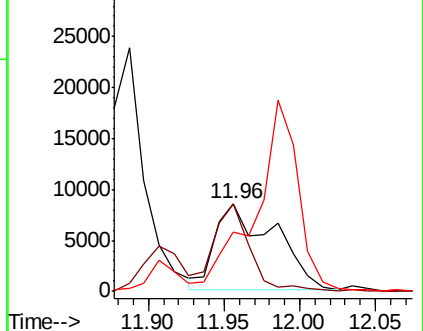
89 66.9 44.0 66.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 21.736 ug/l

RT: 11.99 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF060542.D

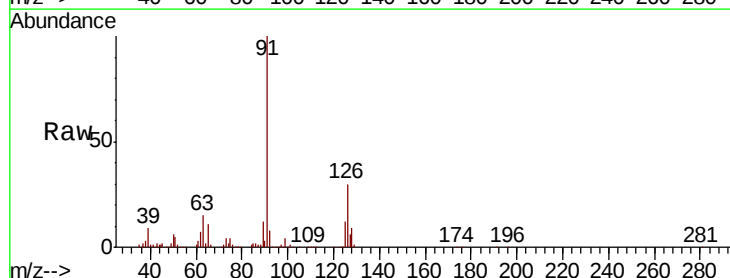
Acq: 30 Oct 2018 13:29

Tgt Ion: 91 Resp: 227226

Ion Ratio Lower Upper

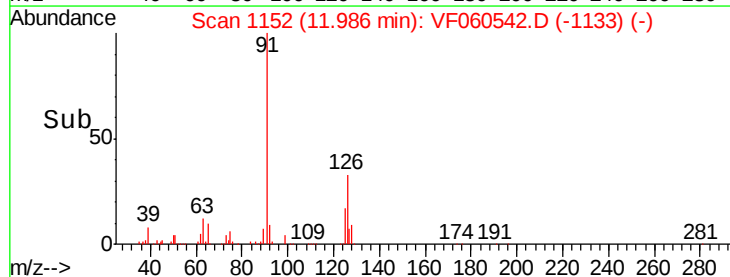
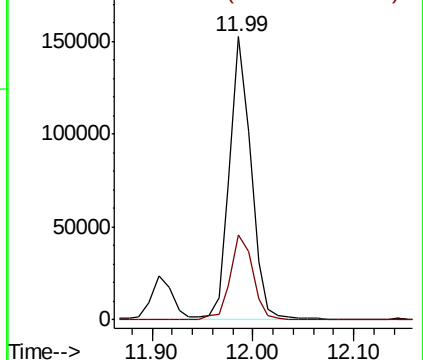
91 100

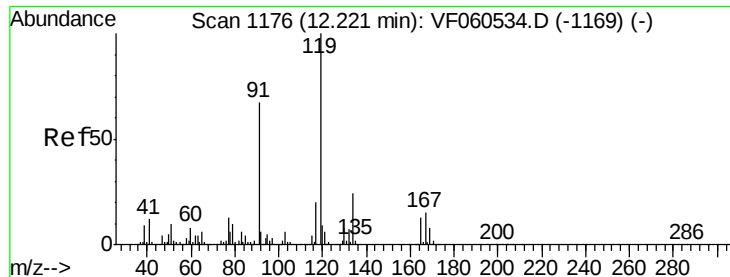
126 30.2 15.1 45.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

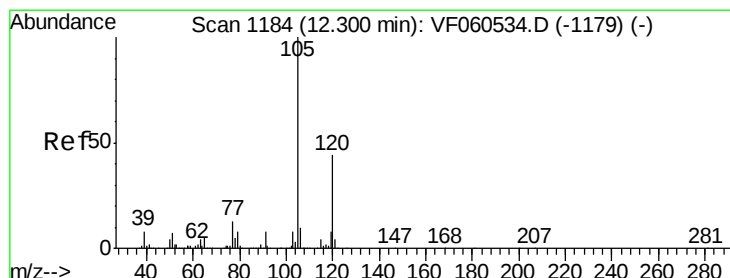
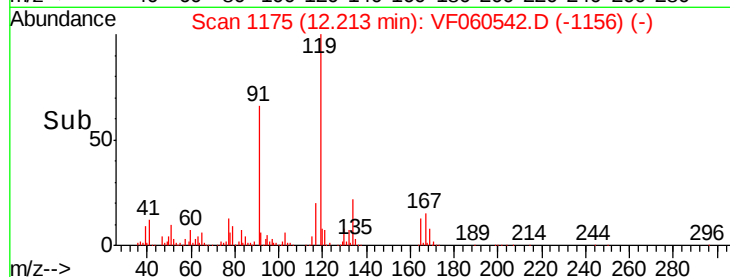
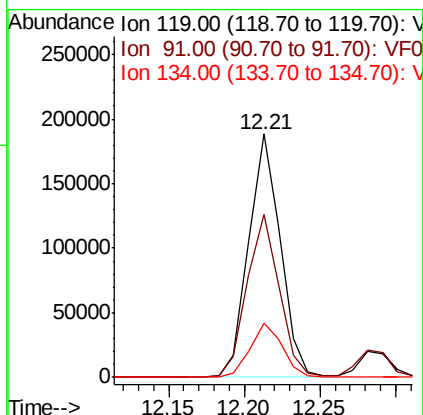
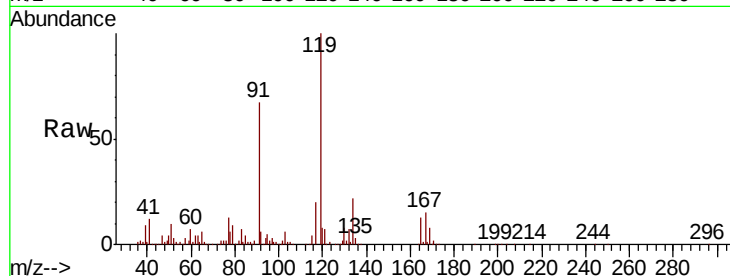




#83
tert-Butylbenzene
Concen: 23.243 ug/l
RT: 12.21 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

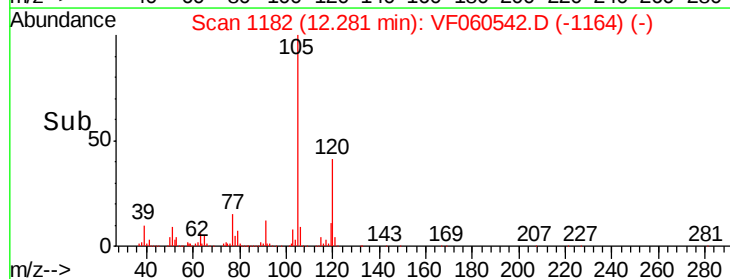
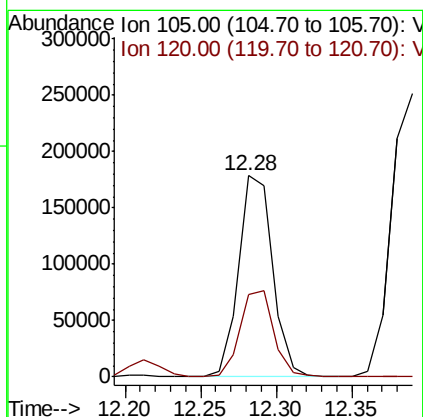
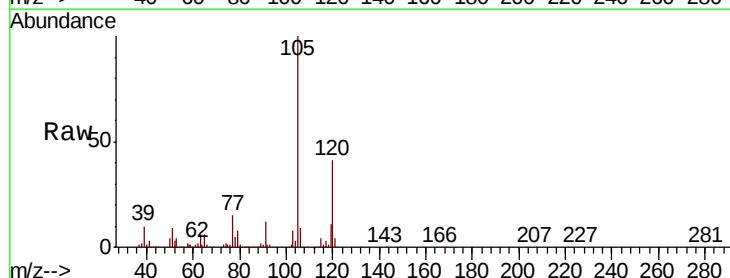
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

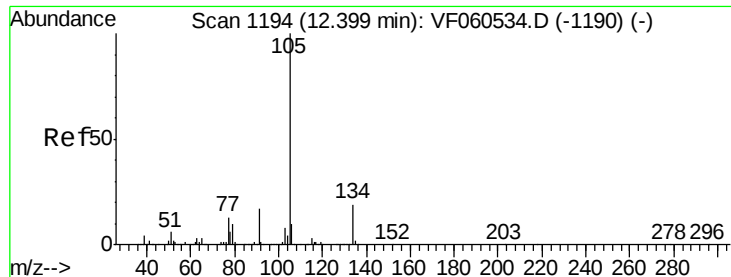
Tot Ion:119 Resp: 276421
Ion Ratio Lower Upper
119 100
91 66.9 33.6 100.8
134 22.2 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 22.428 ug/l
RT: 12.28 min Scan# 1182
Delta R.T. -0.02 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion:105 Resp: 279575
Ion Ratio Lower Upper
105 100
120 40.9 22.0 66.0





#85

sec-Butylbenzene

Concen: 22.781 ug/l

RT: 12.39 min Scan# 1193

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

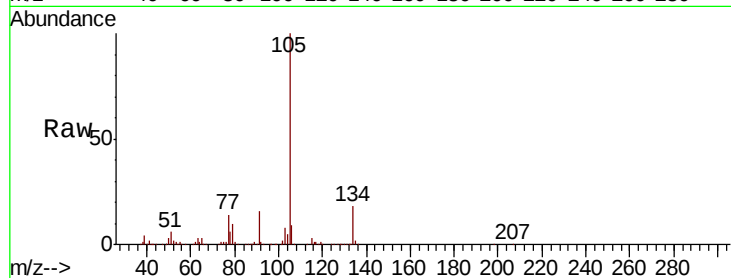
VF1030SBS01

Tot Ion:105 Resp: 379688

Ion Ratio Lower Upper

105 100

134 18.5 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.39

250000

200000

150000

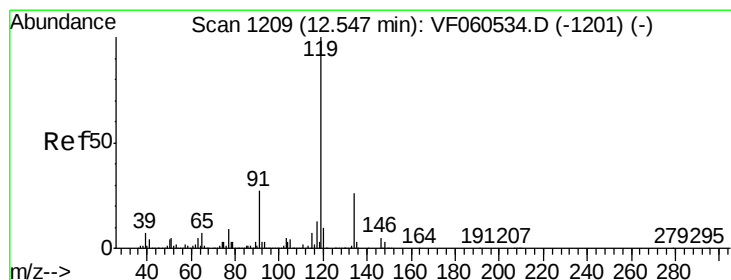
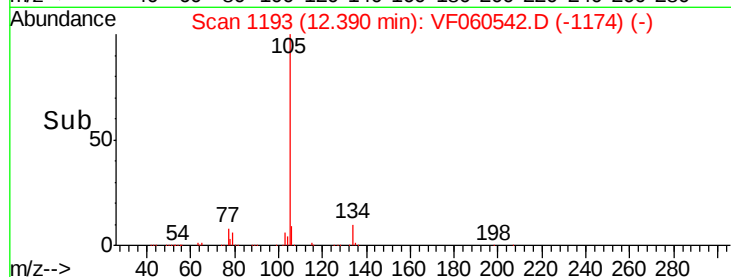
100000

50000

0

Time-->

12.30 12.40 12.50



#86

p-Isopropyltoluene

Concen: 22.982 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

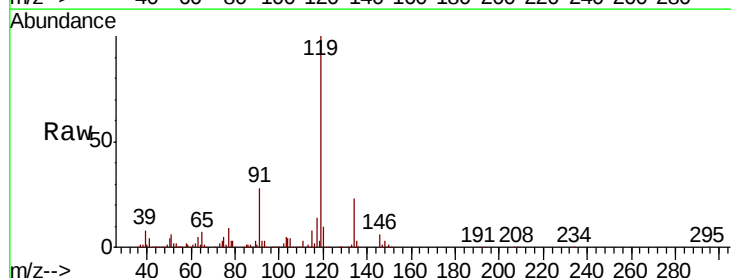
Tgt Ion:119 Resp: 314379

Ion Ratio Lower Upper

119 100

134 23.5 13.1 39.1

91 27.7 13.5 40.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

12.54

300000

250000

200000

150000

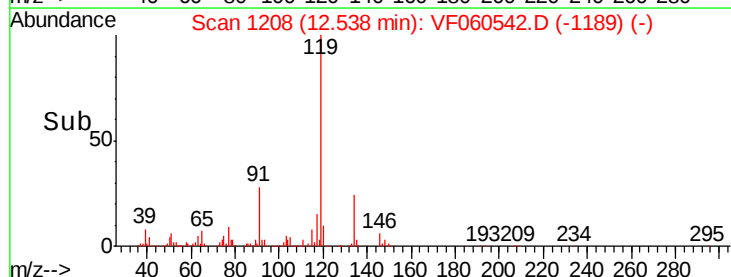
100000

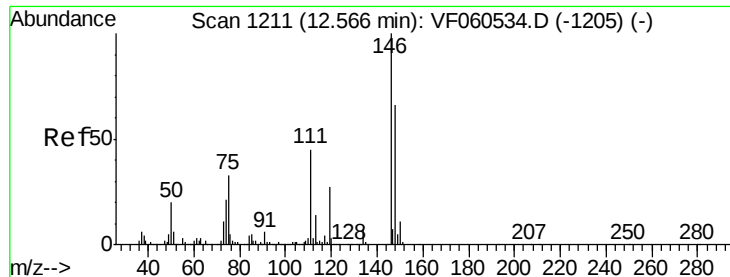
50000

0

Time-->

12.40 12.50 12.60





#87

1,3-Dichlorobenzene

Concen: 22.027 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. -0.01 min

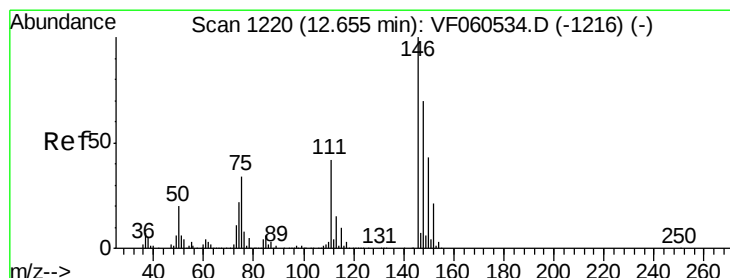
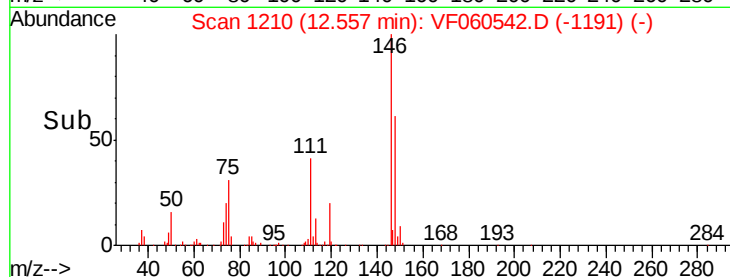
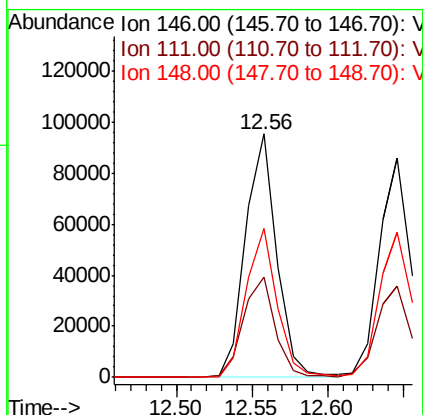
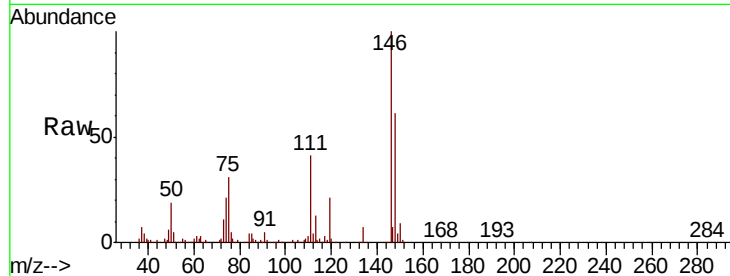
Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tot Ion:146 Resp: 137399

Ion	Ratio	Lower	Upper
146	100		
111	41.0	22.6	67.7
148	61.2	33.1	99.3



#88

1,4-Dichlorobenzene

Concen: 21.832 ug/l

RT: 12.65 min Scan# 1219

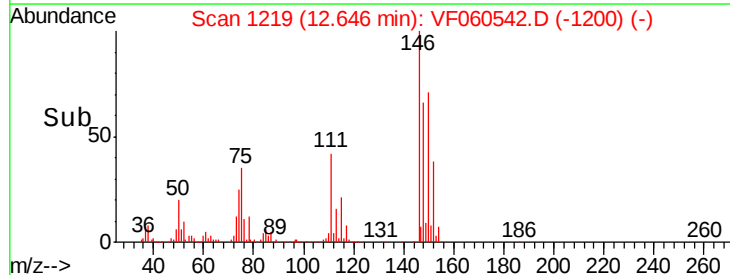
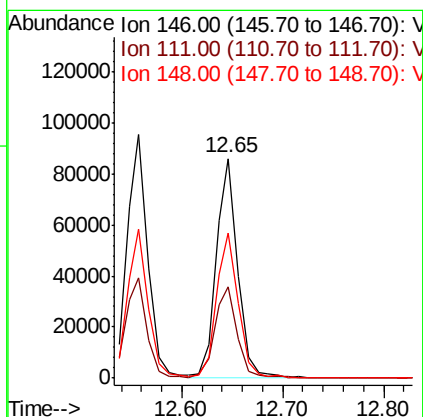
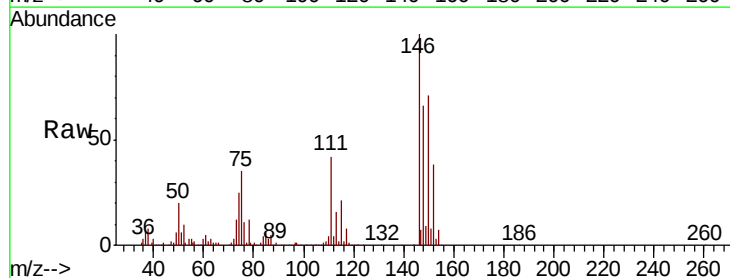
Delta R.T. -0.01 min

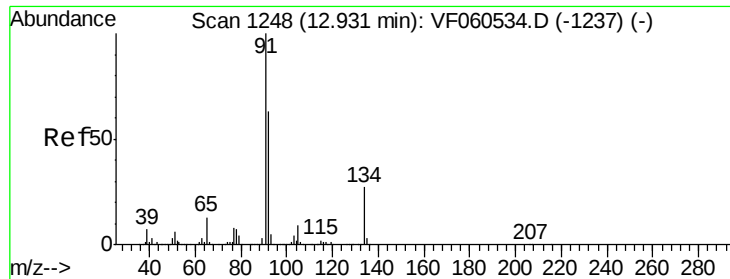
Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Tgt Ion:146 Resp: 128528

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.2	63.6
148	66.0	35.1	105.5

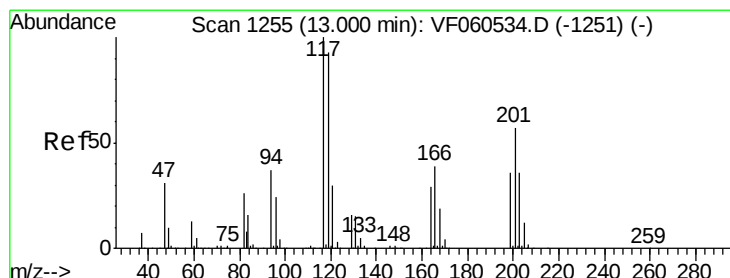
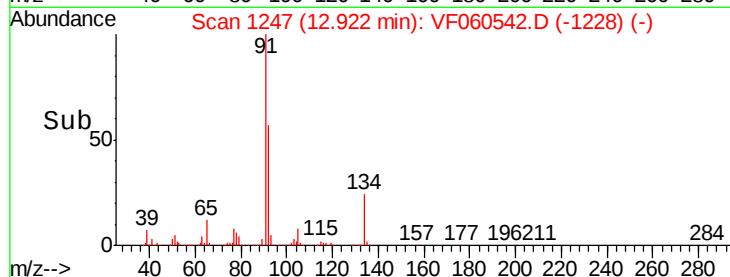
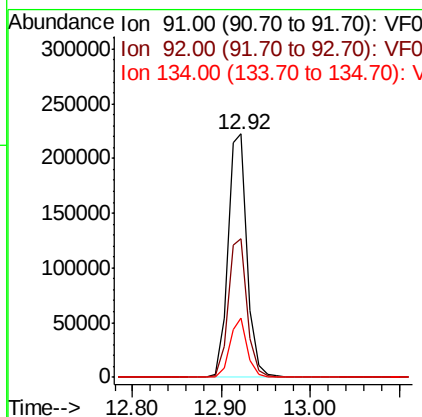
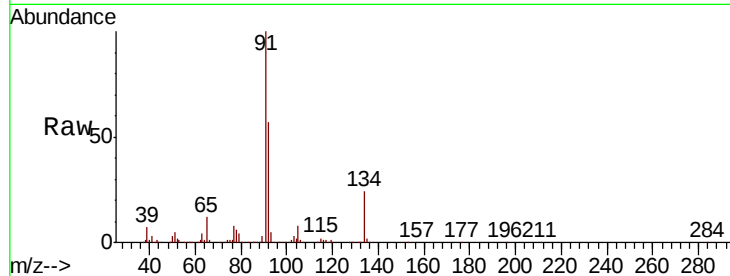




#89
n-Butylbenzene
Concen: 23.021 ug/l
RT: 12.92 min Scan# 1247
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

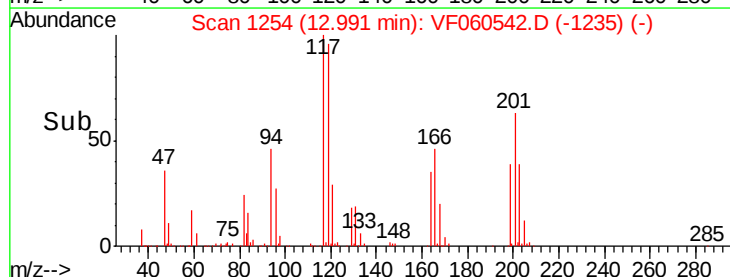
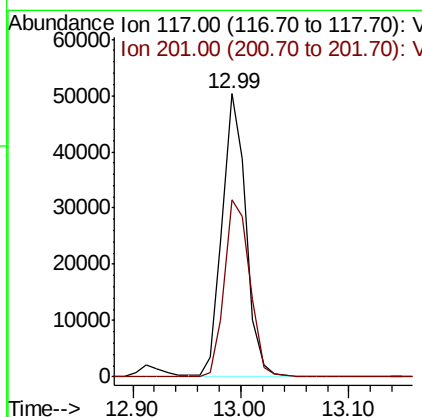
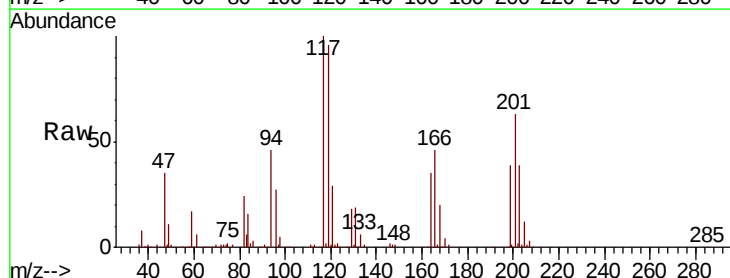
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

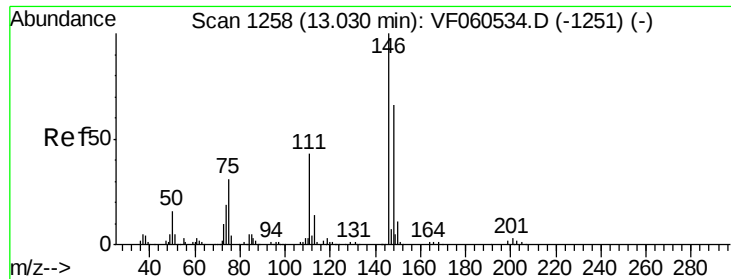
Tot Ion: 91 Resp: 337066
Ion Ratio Lower Upper
91 100
92 57.1 31.3 93.9
134 24.5 13.3 39.8



#90
Hexachloroethane
Concen: 21.825 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF060542.D
Acq: 30 Oct 2018 13:29

Tgt Ion: 117 Resp: 77056
Ion Ratio Lower Upper
117 100
201 62.6 28.2 84.7

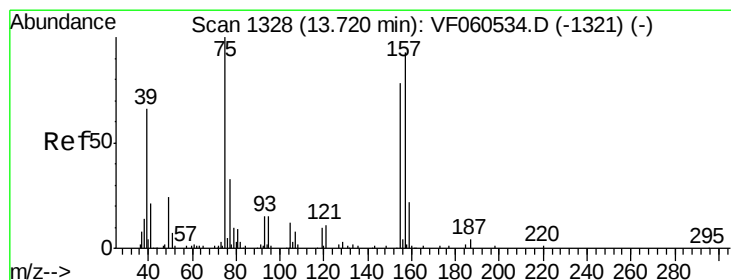
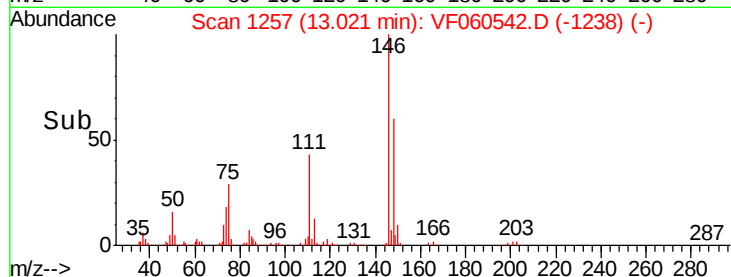
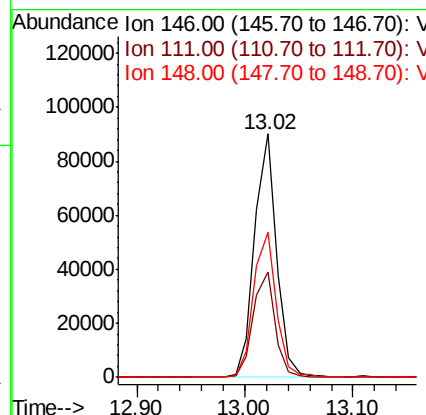
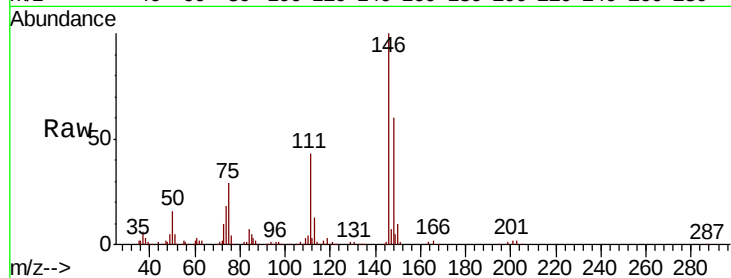




#91
 1,2-Dichlorobenzene
 Concen: 21.747 ug/l
 RT: 13.02 min Scan# 1257
 Delta R.T. -0.01 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

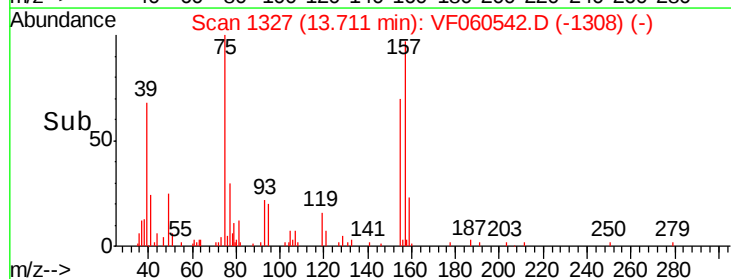
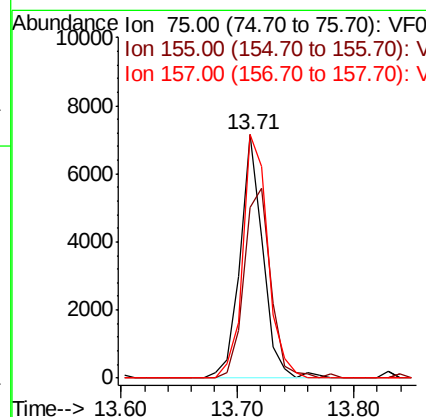
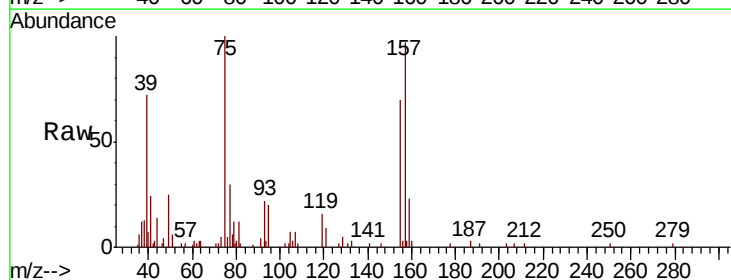
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

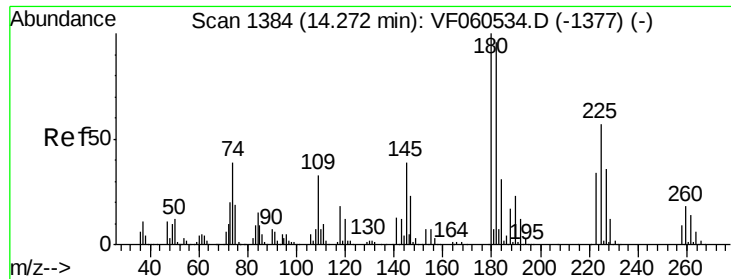
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.5	64.5
148	59.8	33.1	99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.762 ug/l
 RT: 13.71 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.3	40.8	122.5
157	100.2	46.5	139.5

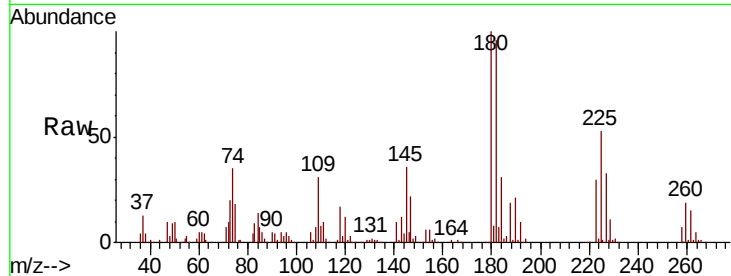




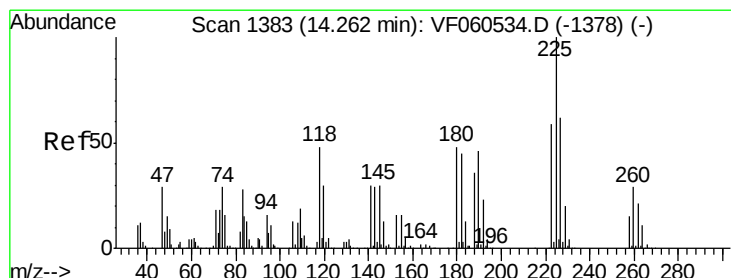
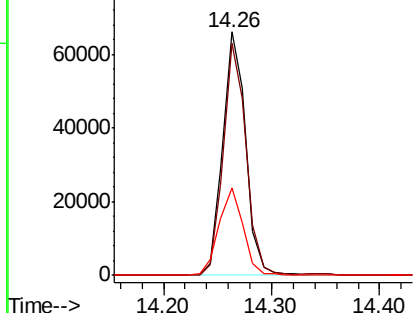
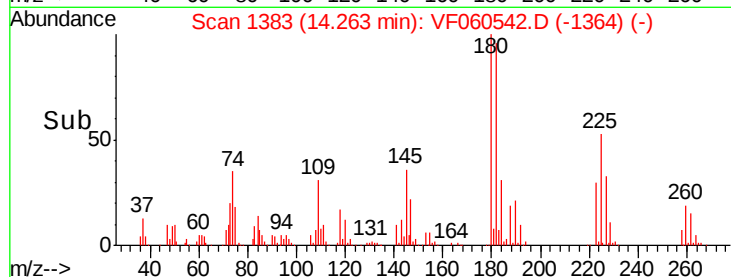
#93
 1,2,4-Trichlorobenzene
 Concen: 22.244 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. -0.01 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tot Ion:180 Resp: 97916
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.1 144.3
 145 36.0 19.5 58.5

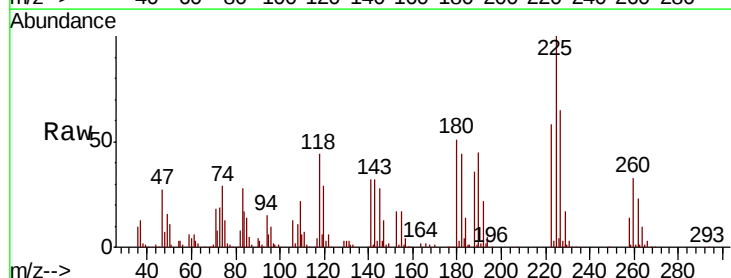


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

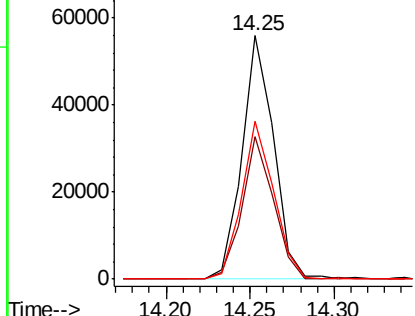
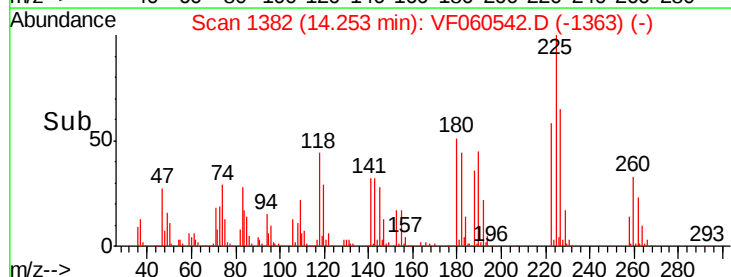


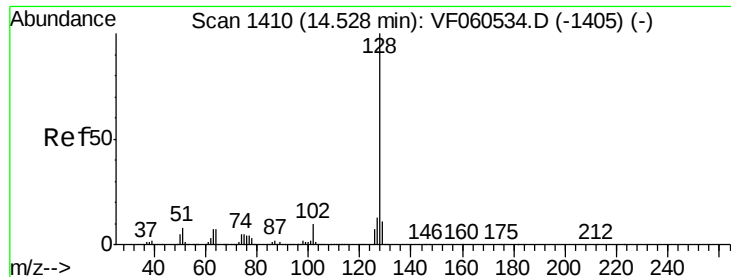
#94
 Hexachlorobutadiene
 Concen: 23.347 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: VF060542.D
 Acq: 30 Oct 2018 13:29

Tgt Ion:225 Resp: 72764
 Ion Ratio Lower Upper
 225 100
 223 58.5 29.5 88.5
 227 65.0 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: 19.666 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

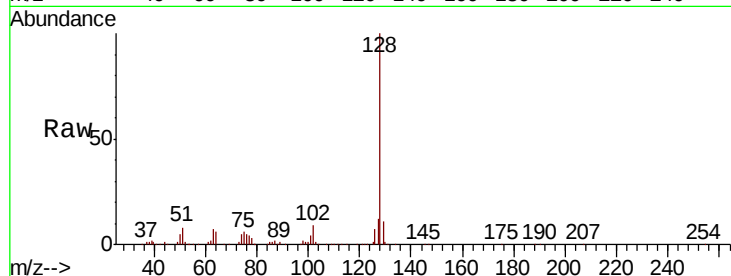
Tot Ion:128 Resp: 153134

Ion Ratio Lower Upper

128 100

127 11.7 10.1 15.1

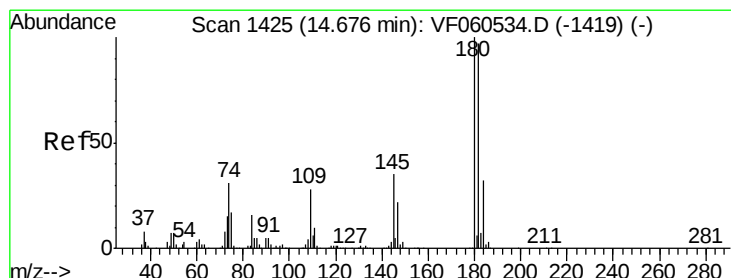
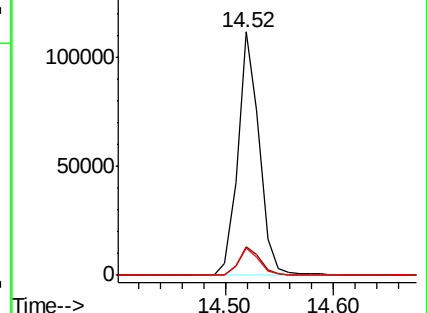
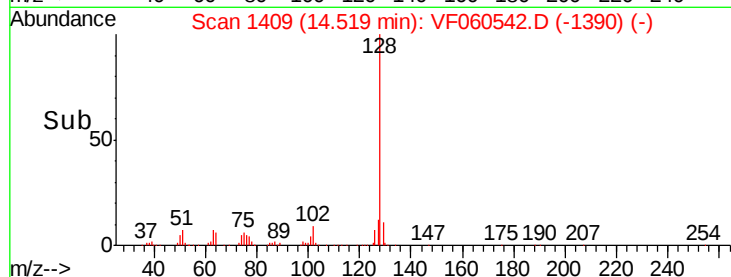
129 11.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.019 ug/l

RT: 14.67 min Scan# 1424

Delta R.T. -0.01 min

Lab File: VF060542.D

Acq: 30 Oct 2018 13:29

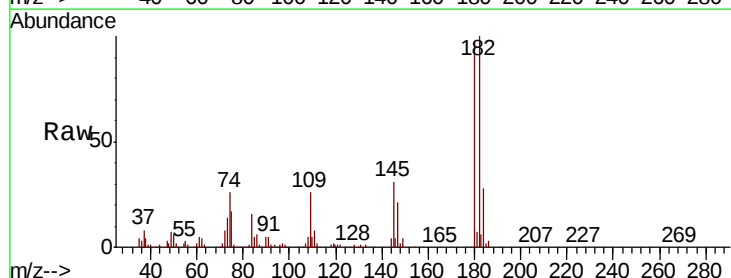
Tgt Ion:180 Resp: 92256

Ion Ratio Lower Upper

180 100

182 102.9 48.7 146.1

145 32.0 17.3 52.0



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

