

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF103018\
 Data File : VF060546.D
 Acq On : 30 Oct 2018 15:51
 Operator : VA/AP
 Sample : VF1030SBSD01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBSD01

Quant Time: Oct 31 04:50:57 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	5.05	168	209138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	338174	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	293487	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	171899	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	198176	61.43	ug/l	-0.01
Spiked Amount			Recovery	=	122.86%	
35) Dibromofluoromethane	4.29	113	188959	58.23	ug/l	-0.01
Spiked Amount			Recovery	=	116.46%	
50) Toluene-d8	7.71	98	394078	49.73	ug/l	-0.01
Spiked Amount			Recovery	=	99.46%	
62) 4-Bromofluorobenzene	11.51	95	177236	48.54	ug/l	-0.01
Spiked Amount			Recovery	=	97.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	123748	33.313	ug/l	93
3) Chloromethane	1.14	50	62186	27.450	ug/l	99
4) Vinyl Chloride	1.19	62	64857	25.866	ug/l	93
5) Bromomethane	1.36	94	63132	32.037	ug/l	94
6) Chloroethane	1.43	64	39269	30.079	ug/l	97
7) Trichlorofluoromethane	1.55	101	174303	28.853	ug/l	97
8) Diethyl Ether	1.70	74	19661	25.950	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.90	101	78402	28.914	ug/l	95
10) Methyl Iodide	1.97	142	120789	26.433	ug/l #	96
11) Tert butyl alcohol	2.68	59	16739	130.497	ug/l #	80
12) 1,1-Dichloroethene	1.86	96	61319	26.090	ug/l	94
13) Acrolein	2.08	56	15664	132.333	ug/l	90
14) Allyl chloride	2.19	41	99317	26.576	ug/l	99
15) Acrylonitrile	3.07	53	35742	110.805	ug/l #	93
16) Acetone	2.34	43	101029	159.349	ug/l	99
17) Carbon Disulfide	1.90	76	172697	26.145	ug/l	96
18) Methyl Acetate	2.45	43	24351	26.099	ug/l	95
19) Methyl tert-butyl Ether	2.54	73	130997	24.876	ug/l	96
20) Methylene Chloride	2.28	84	59345	27.447	ug/l	93
21) trans-1,2-Dichloroethene	2.41	96	59015	24.551	ug/l	97
22) Diisopropyl ether	2.92	45	172423	25.400	ug/l	96
23) Vinyl Acetate	3.34	43	279550	111.019	ug/l	99
24) 1,1-Dichloroethane	3.00	63	130210	26.582	ug/l	99
25) 2-Butanone	4.52	43	97569	114.635	ug/l #	90
26) 2,2-Dichloropropane	3.76	77	81517	26.778	ug/l	92
27) cis-1,2-Dichloroethene	3.63	96	58493	20.180	ug/l	89
28) Bromochloromethane	3.89	49	38566	21.858	ug/l	98
29) Tetrahydrofuran	4.26	42	28898	98.859	ug/l	94
30) Chloroform	4.04	83	144697	23.390	ug/l	99
31) Cyclohexane	3.86	56	67342	19.254	ug/l	98
32) 1,1,1-Trichloroethane	4.27	97	138799	27.139	ug/l	94
36) 1,1-Dichloropropene	4.46	75	93649	22.226	ug/l	94
37) Ethyl Acetate	4.29	43	30156	22.108	ug/l #	89
38) Carbon Tetrachloride	4.17	117	147627	29.263	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	81301	19.107	ug/l	97
40) Benzene	4.80	78	171572	20.531	ug/l	99
41) Methacrylonitrile	4.92	41	15763	20.216	ug/l	91
42) 1,2-Dichloroethane	5.12	62	96807	24.948	ug/l	94
43) Isopropyl Acetate	7.11	43	35814	21.691	ug/l #	88
44) Trichloroethene	5.67	130	56707	20.992	ug/l	99
45) 1,2-Dichloropropane	6.41	63	40536	19.438	ug/l	93
46) Dibromomethane	6.25	93	33889	20.694	ug/l	94
47) Bromodichloromethane	6.55	83	96449	22.953	ug/l	98
48) Methyl methacrylate	6.87	41	24409	21.433	ug/l #	78
49) 1,4-Dioxane	6.86	88	3540	334.150	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	126540	105.805	ug/l	88
52) Toluene	7.78	92	101894	18.782	ug/l	92
53) t-1,3-Dichloropropene	8.43	75	74628	22.735	ug/l	95
54) cis-1,3-Dichloropropene	7.46	75	80476	20.687	ug/l	89
55) 1,1,2-Trichloroethane	8.64	97	30573	18.808	ug/l #	93
56) Ethyl methacrylate	8.77	69	36491	20.007	ug/l #	84
57) 1,3-Dichloropropane	9.00	76	51655	18.778	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.78	63	23582	125.447	ug/l	100
59) 2-Hexanone	9.63	43	99378	108.405	ug/l	95
60) Dibromochloromethane	8.87	129	53918	20.590	ug/l	100
61) 1,2-Dibromoethane	9.14	107	34207	18.175	ug/l	96
64) Tetrachloroethene	8.30	164	49625	20.003	ug/l	94
65) Chlorobenzene	9.94	112	116803	19.781	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.08	131	56544	21.015	ug/l	95
67) Ethyl Benzene	10.04	91	241344	21.391	ug/l	97
68) m/p-Xylenes	10.26	106	151576	39.339	ug/l	76
69) o-Xylene	10.83	106	85829	19.779	ug/l	73
70) Styrene	10.91	104	120752	19.738	ug/l	98
71) Bromoform	10.89	173	28459	20.506	ug/l #	93
73) Isopropylbenzene	11.23	105	273502	20.814	ug/l	96
74) N-amyl acetate	11.47	43	52969	20.129	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.78	83	39298	17.922	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	34799	21.097	ug/l	99
77) Bromobenzene	11.60	156	56933	19.692	ug/l	87
78) n-propylbenzene	11.68	91	333353	21.388	ug/l	94
79) 2-Chlorotoluene	11.81	91	195161	20.921	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	251298	22.133	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.96	75	20096	27.893	ug/l	85
82) 4-Chlorotoluene	11.99	91	201340	20.817	ug/l	97
83) tert-Butylbenzene	12.22	119	245467	22.309	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	236000	20.463	ug/l	90
85) sec-Butylbenzene	12.38	105	313549	20.334	ug/l	96
86) p-Isopropyltoluene	12.54	119	278451	22.002	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	120339	20.852	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	114241	20.975	ug/l	97
89) n-Butylbenzene	12.92	91	294273	21.294	ug/l	93
90) Hexachloroethane	13.00	117	67821	20.762	ug/l	93
91) 1,2-Dichlorobenzene	13.02	146	112442	20.681	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	9495	20.885	ug/l	83

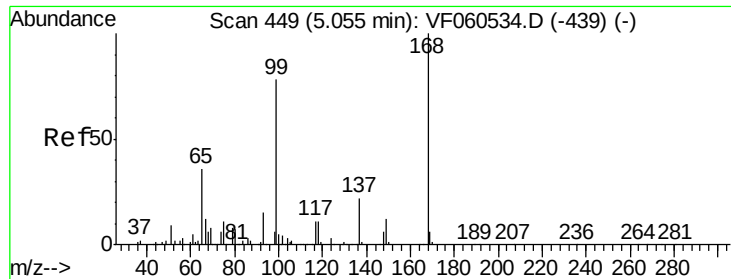
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF103018\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	89397	21.951	ug/l	97
94) Hexachlorobutadiene	14.26	225	63801	22.126	ug/l	94
95) Naphthalene	14.52	128	136042	18.884	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	79216	20.435	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 448

Delta R.T. -0.00 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

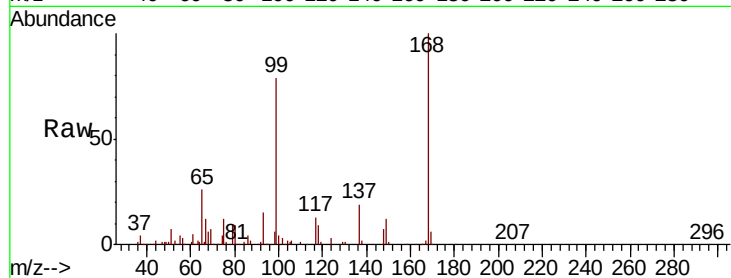
VF1030SBS01

Tot Ion:168 Resp: 209138

Ion Ratio Lower Upper

168 100

99 79.4 62.6 93.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

80000

60000

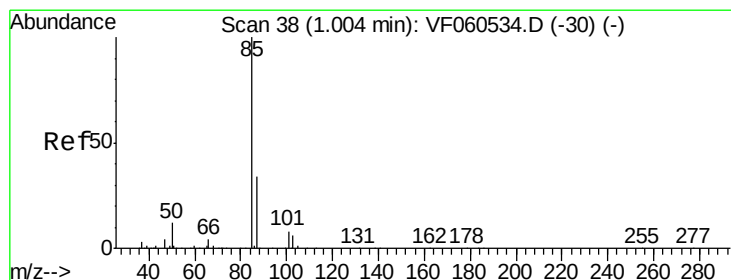
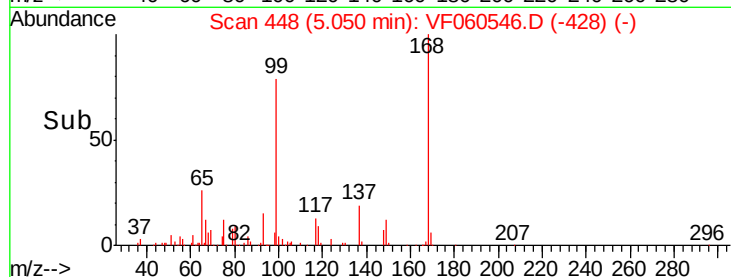
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 33.313 ug/l

RT: 1.00 min Scan# 37

Delta R.T. -0.00 min

Lab File: VF060546.D

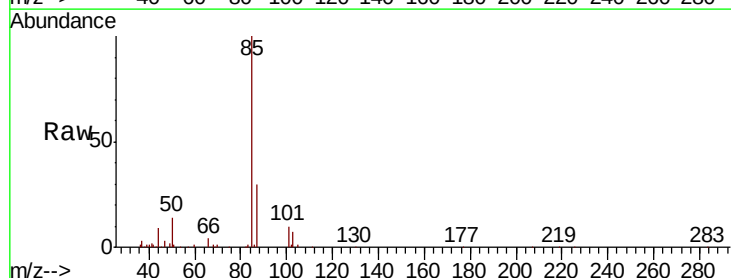
Acq: 30 Oct 2018 15:51

Tgt Ion: 85 Resp: 123748

Ion Ratio Lower Upper

85 100

87 29.6 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

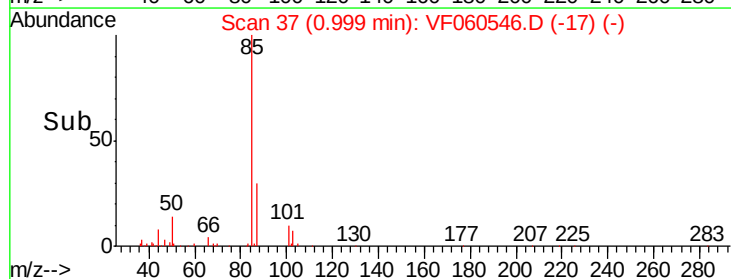
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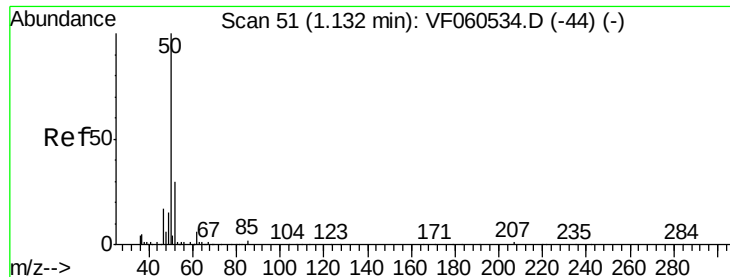
10000

0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 27.450 ug/l

RT: 1.14 min Scan# 51

Delta R.T. 0.01 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

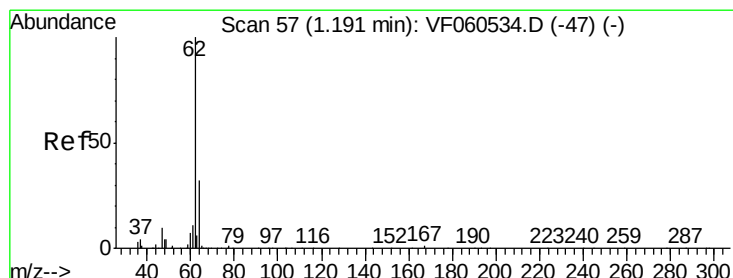
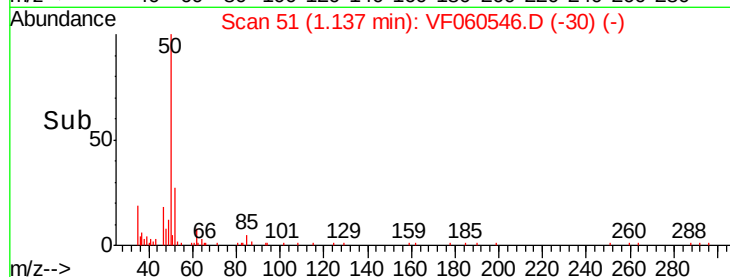
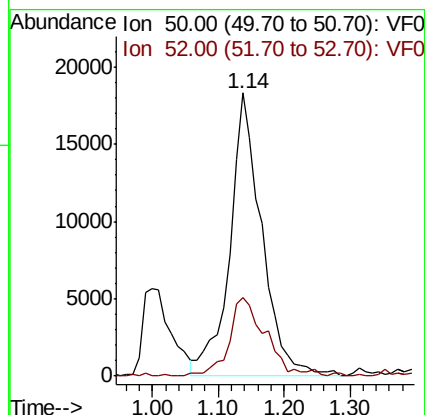
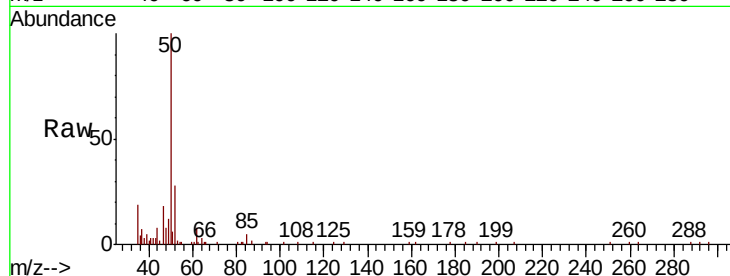
VF1030SBS01

Tot Ion: 50 Resp: 62186

Ion Ratio Lower Upper

50 100

52 27.9 22.8 34.2



#4

Vinyl Chloride

Concen: 25.866 ug/l

RT: 1.19 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF060546.D

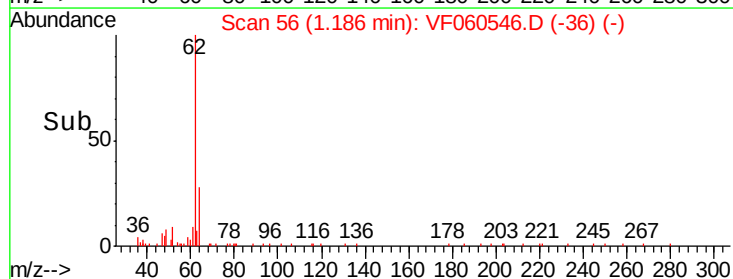
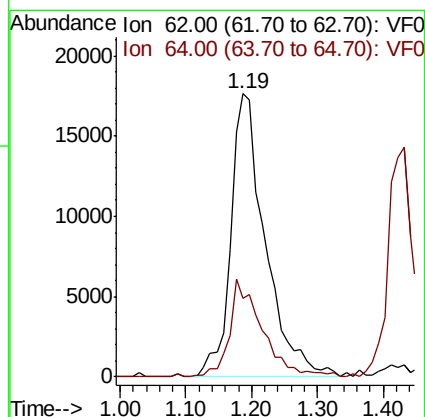
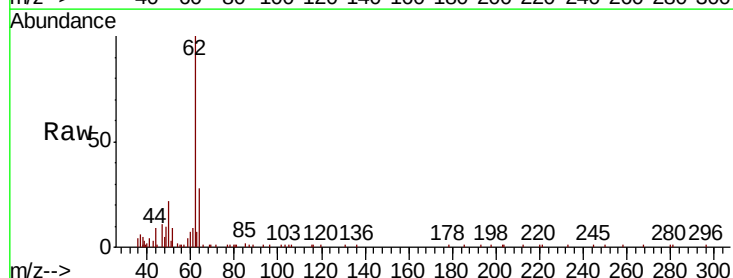
Acq: 30 Oct 2018 15:51

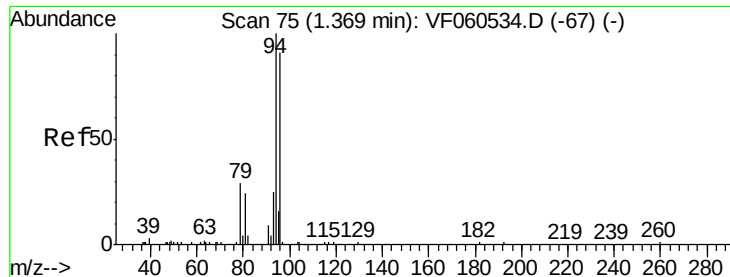
Tgt Ion: 62 Resp: 64857

Ion Ratio Lower Upper

62 100

64 27.6 25.3 37.9





#5

Bromomethane

Concen: 32.037 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.00 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

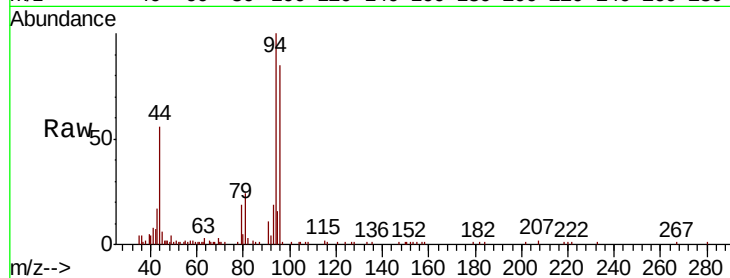
VF1030SBS01

Tot Ion: 94 Resp: 63132

Ion Ratio Lower Upper

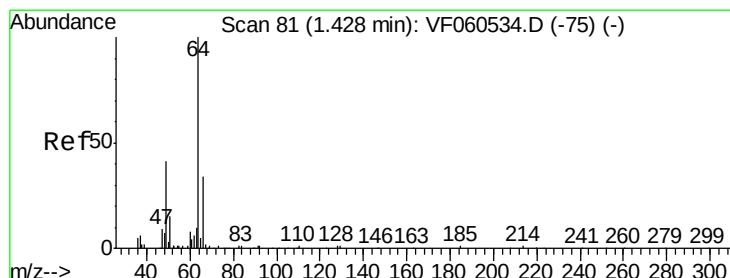
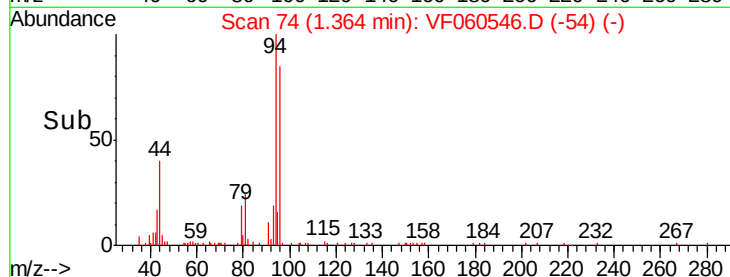
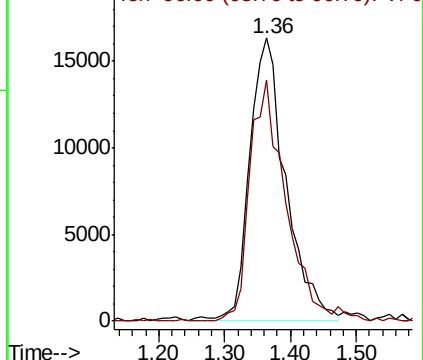
94 100

96 85.4 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: 30.079 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF060546.D

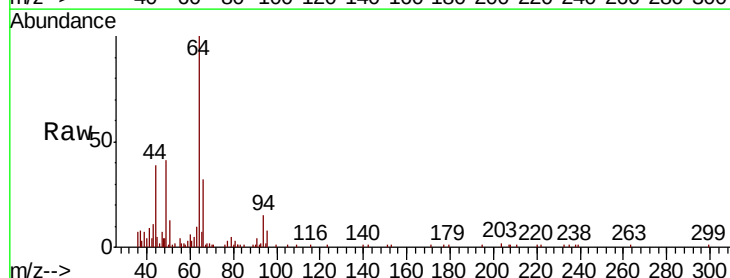
Acq: 30 Oct 2018 15:51

Tgt Ion: 64 Resp: 39269

Ion Ratio Lower Upper

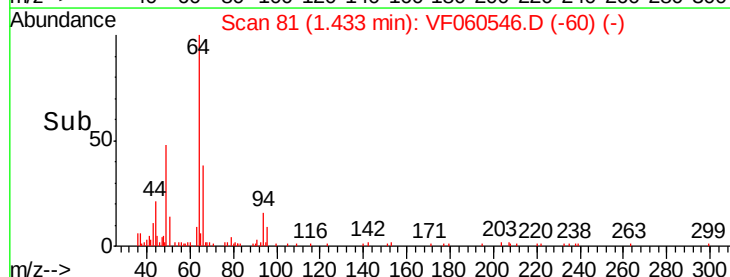
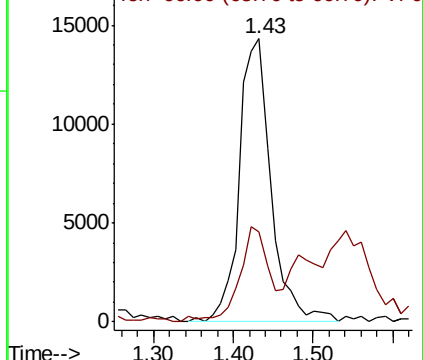
64 100

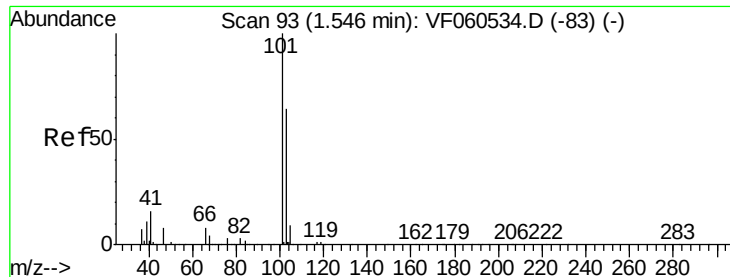
66 32.0 27.1 40.7



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



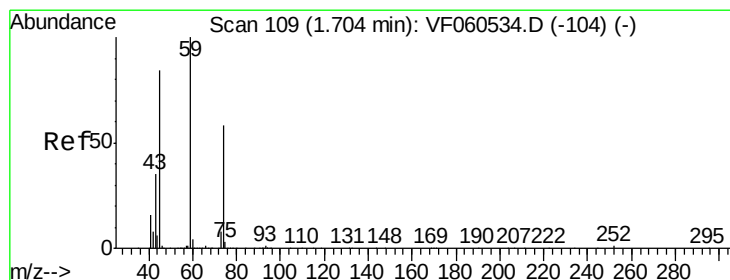
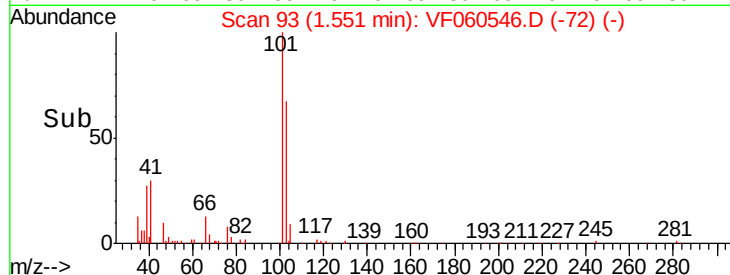
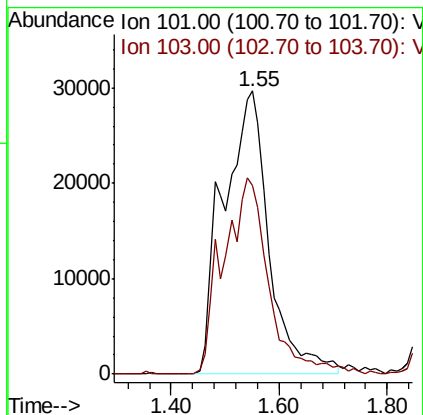
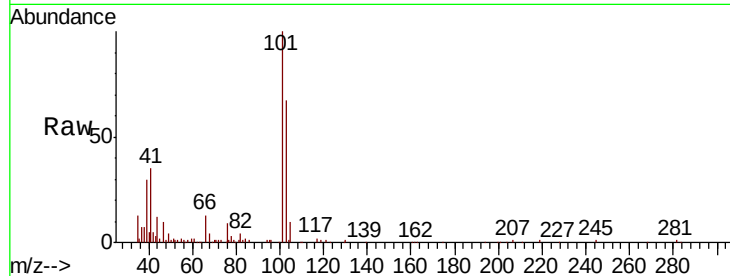


#7

Trichlorofluoromethane
Concen: 28.853 ug/l
RT: 1.55 min Scan# 93
Delta R.T. 0.01 min
Lab File: VF060546.D
Acq: 30 Oct 2018 15:51

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBSD01

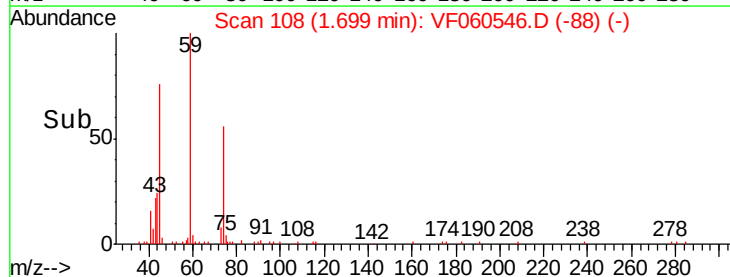
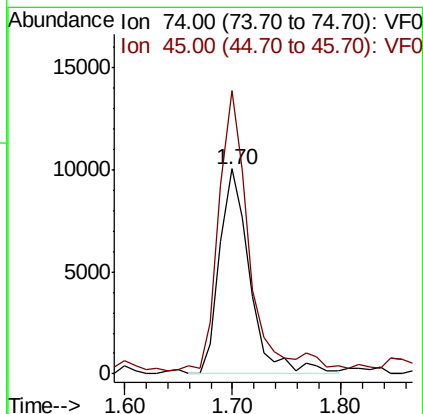
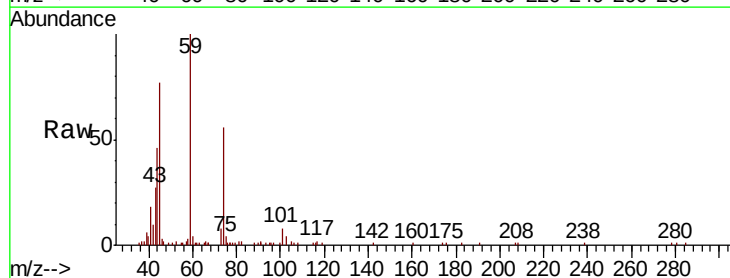
Tot Ion:101 Resp: 174303
Ion Ratio Lower Upper
101 100
103 66.8 51.6 77.4

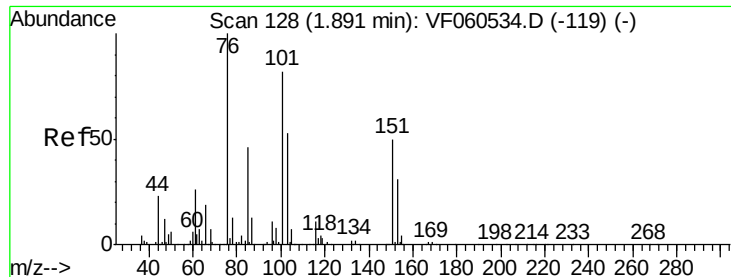


#8

Diethyl Ether
Concen: 25.950 ug/l
RT: 1.70 min Scan# 108
Delta R.T. -0.00 min
Lab File: VF060546.D
Acq: 30 Oct 2018 15:51

Tgt Ion: 74 Resp: 19661
Ion Ratio Lower Upper
74 100
45 138.0 72.9 218.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 28.914 ug/l

RT: 1.90 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

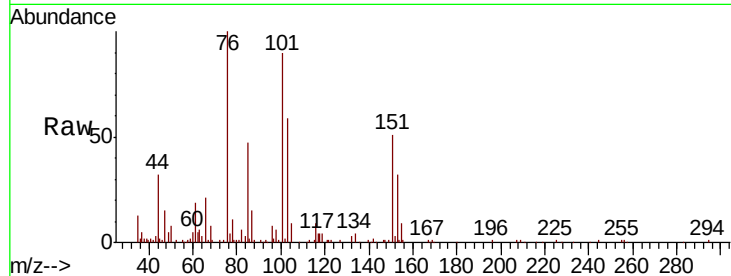
Tot Ion:101 Resp: 78402

Ion Ratio Lower Upper

101 100

85 52.3 44.6 67.0

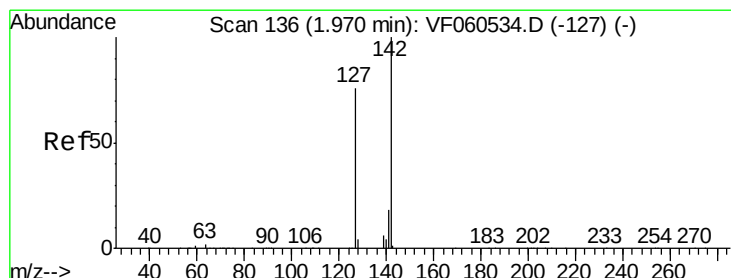
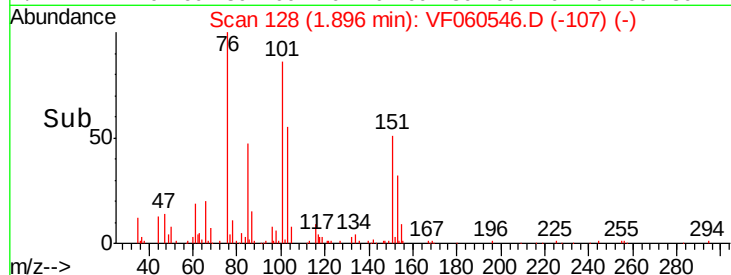
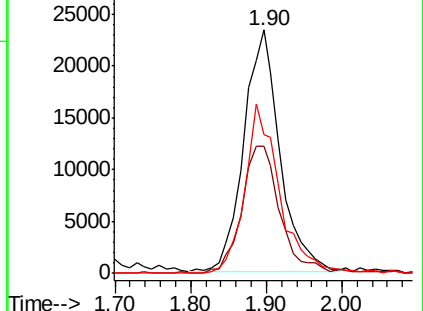
151 57.1 48.4 72.6



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: 26.433 ug/l

RT: 1.97 min Scan# 135

Delta R.T. -0.00 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

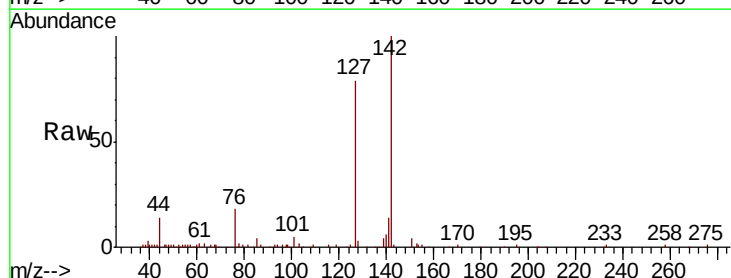
Tgt Ion:142 Resp: 120789

Ion Ratio Lower Upper

142 100

127 79.0 61.2 91.8

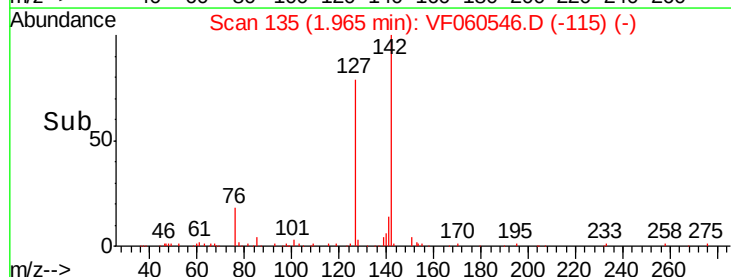
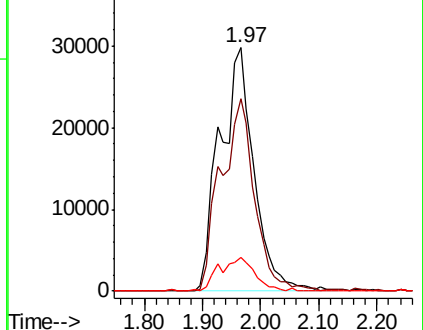
141 14.0 14.0 21.0#

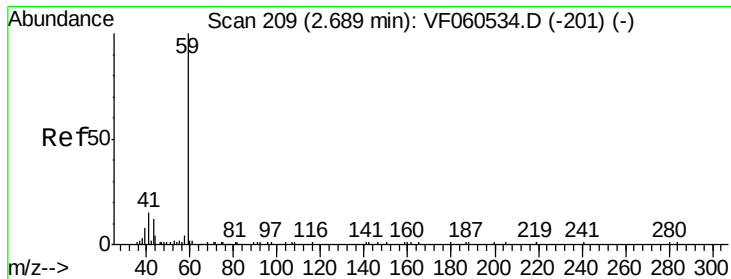


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



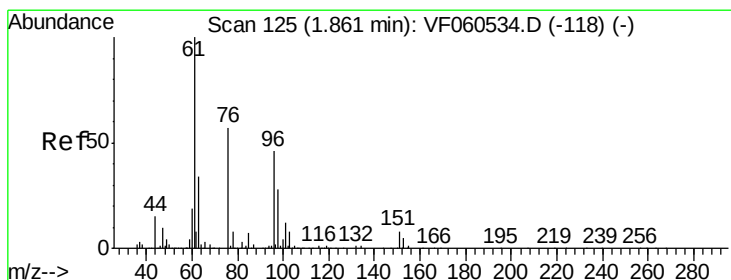
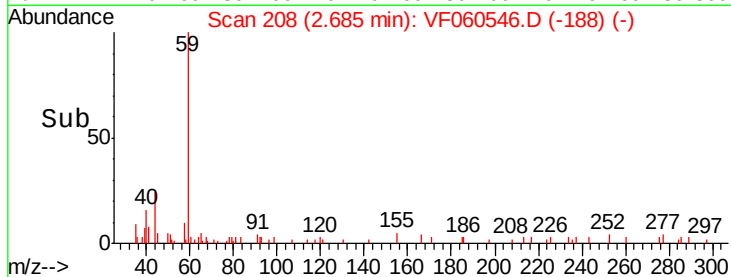
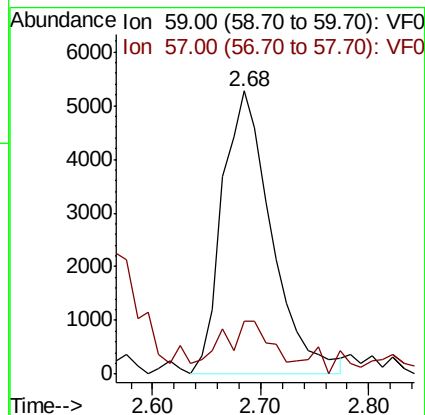
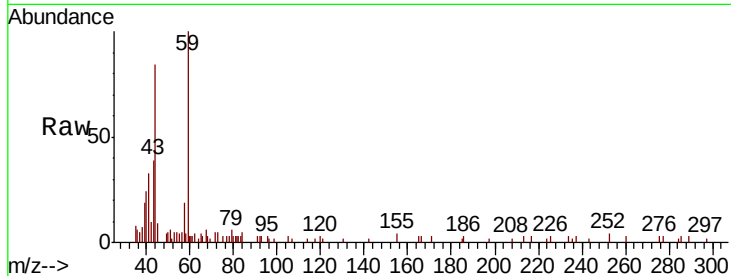


#11

Tert butyl alcohol
 Concen: 130.497 ug/l
 RT: 2.68 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VF060546.D
 Acq: 30 Oct 2018 15:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

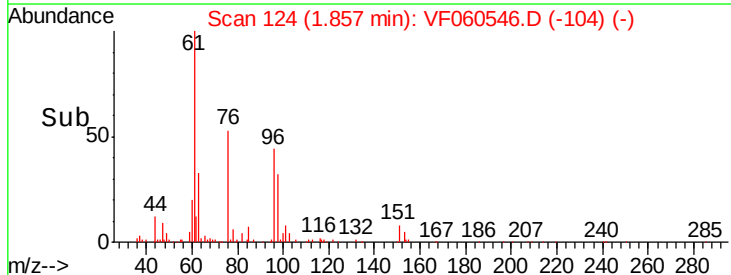
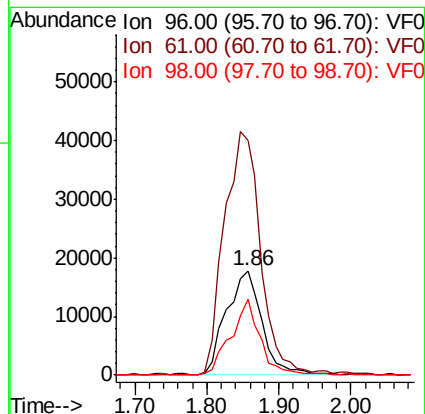
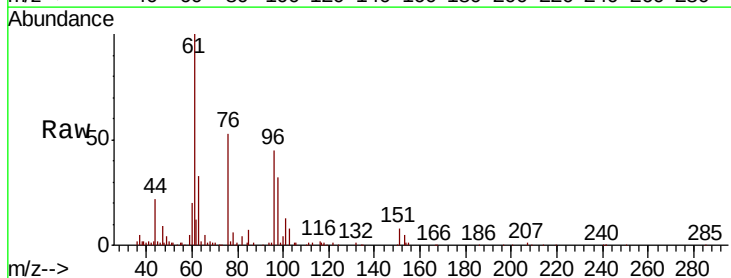
Tot Ion: 59 Resp: 16739
 Ion Ratio Lower Upper
 59 100
 57 18.8 8.9 13.3#

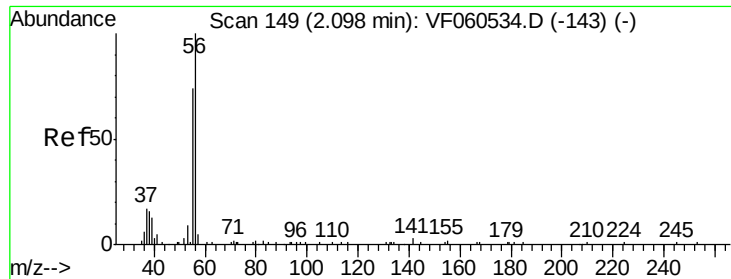


#12

1,1-Dichloroethene
 Concen: 26.090 ug/l
 RT: 1.86 min Scan# 124
 Delta R.T. -0.00 min
 Lab File: VF060546.D
 Acq: 30 Oct 2018 15:51

Tgt Ion: 96 Resp: 61319
 Ion Ratio Lower Upper
 96 100
 61 224.1 175.4 263.2
 98 72.6 48.9 73.3





#13

Acrolein

Concen: 132.333 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

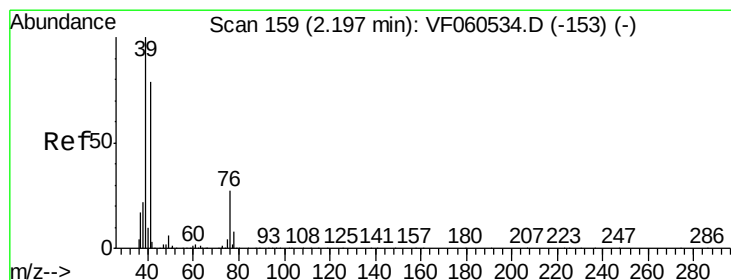
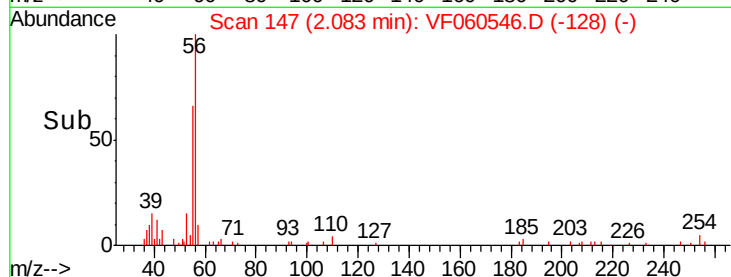
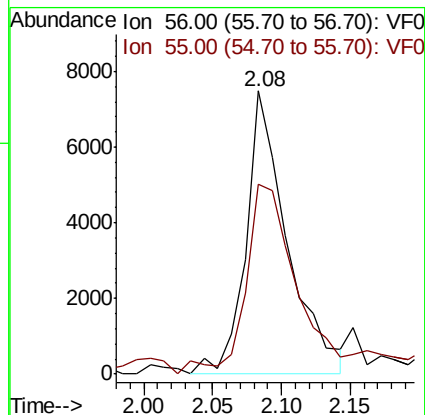
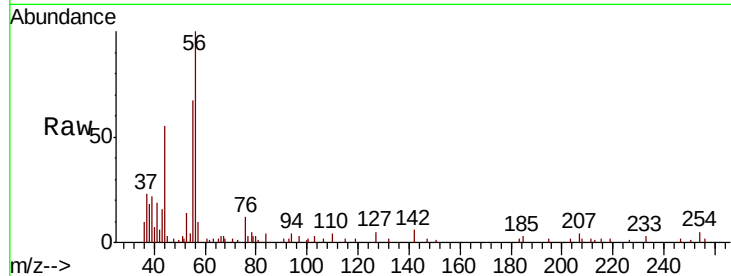
VF1030SBS01

Tot Ion: 56 Resp: 15664

Ion Ratio Lower Upper

56 100

55 67.0 60.4 90.6



#14

Allyl chloride

Concen: 26.576 ug/l

RT: 2.19 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

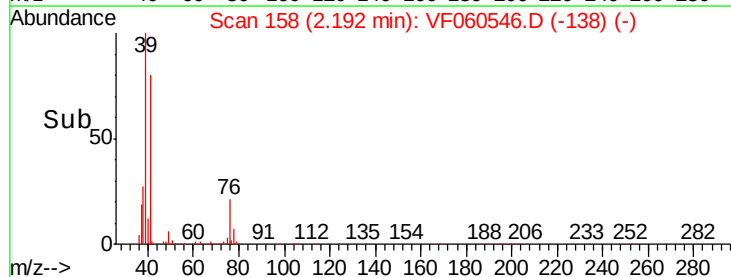
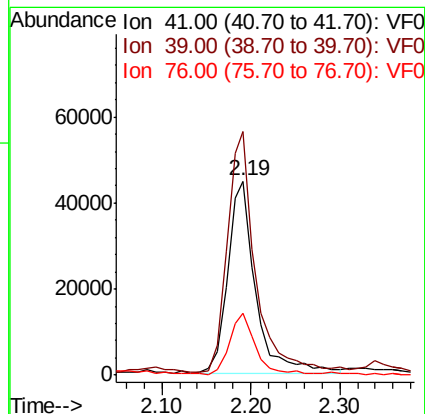
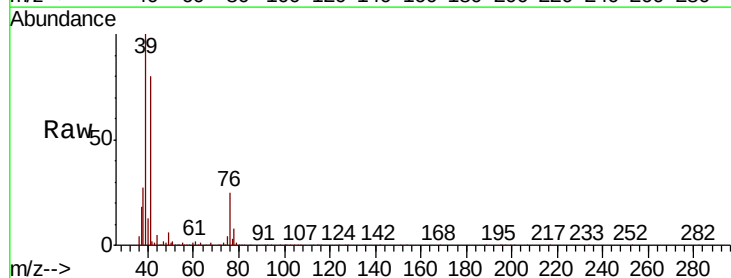
Tgt Ion: 41 Resp: 99317

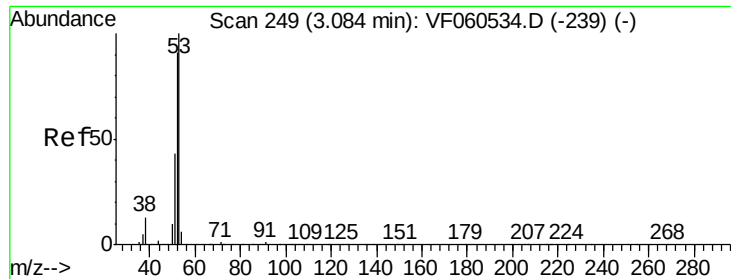
Ion Ratio Lower Upper

41 100

39 125.5 100.6 151.0

76 31.6 27.6 41.4





#15

Acrylonitrile

Concen: 110.805 ug/l

RT: 3.07 min Scan# 247

Delta R.T. -0.01 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

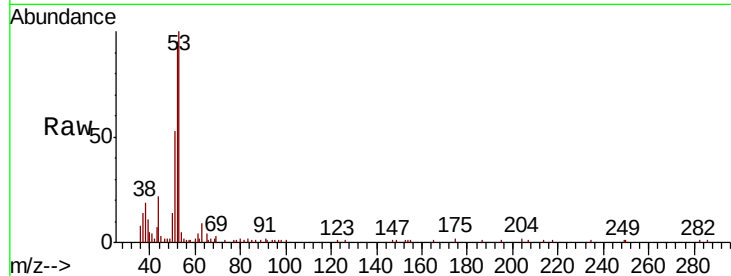
Tot Ion: 53 Resp: 35742

Ion Ratio Lower Upper

53 100

52 95.4 73.2 109.8

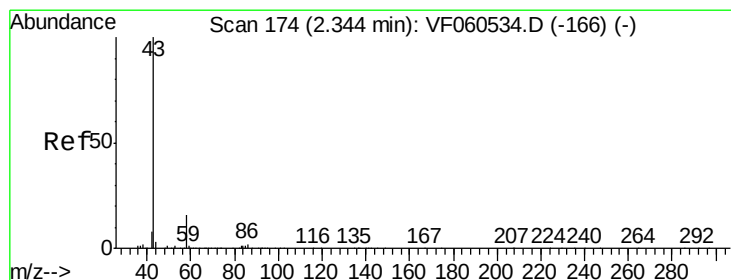
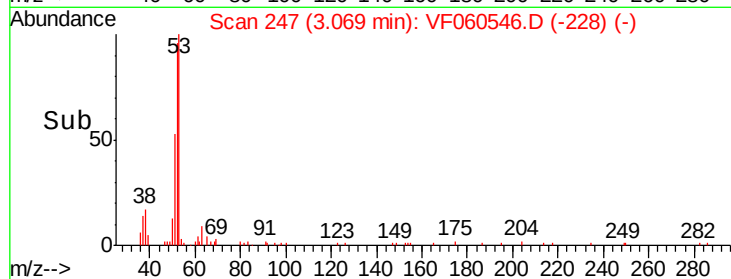
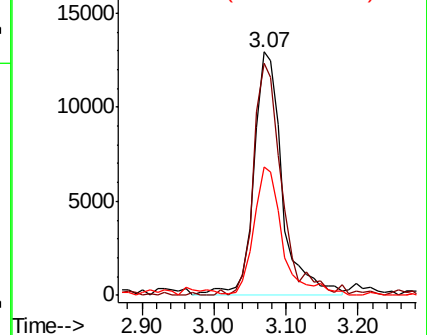
51 52.6 35.0 52.4#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 159.349 ug/l

RT: 2.34 min Scan# 173

Delta R.T. -0.00 min

Lab File: VF060546.D

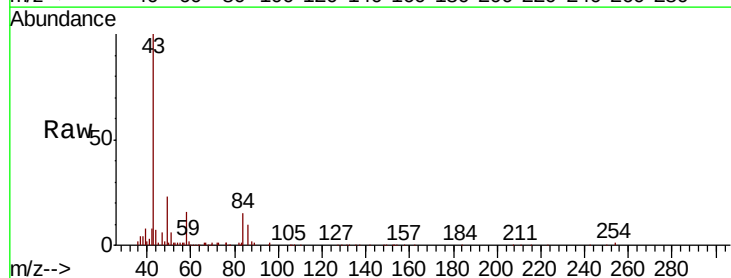
Acq: 30 Oct 2018 15:51

Tgt Ion: 43 Resp: 101029

Ion Ratio Lower Upper

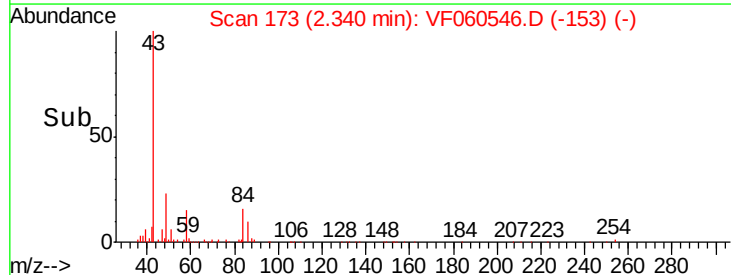
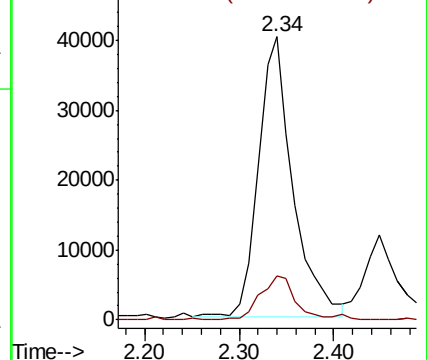
43 100

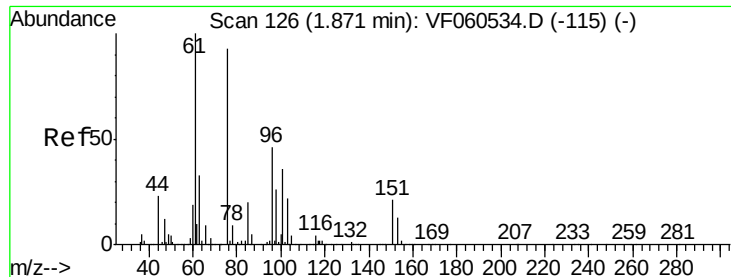
58 15.7 12.8 19.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 26.145 ug/l

RT: 1.90 min Scan# 128

Delta R.T. 0.02 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

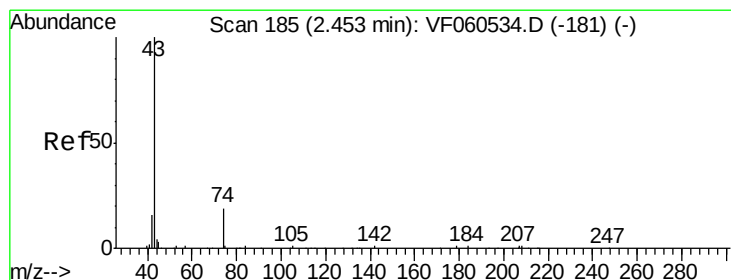
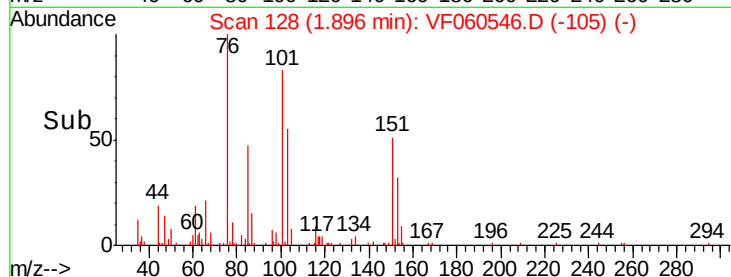
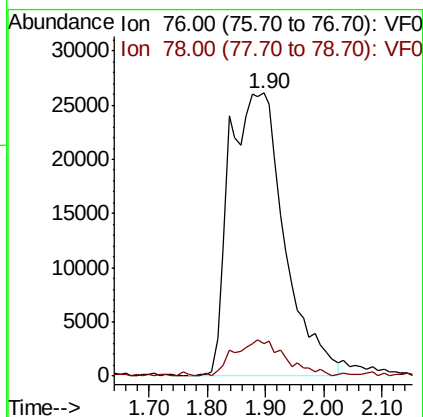
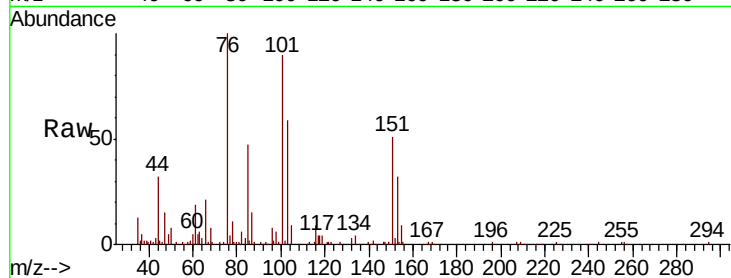
VF1030SBS01

Tot Ion: 76 Resp: 172697

Ion Ratio Lower Upper

76 100

78 11.4 8.0 12.0



#18

Methyl Acetate

Concen: 26.099 ug/l

RT: 2.45 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF060546.D

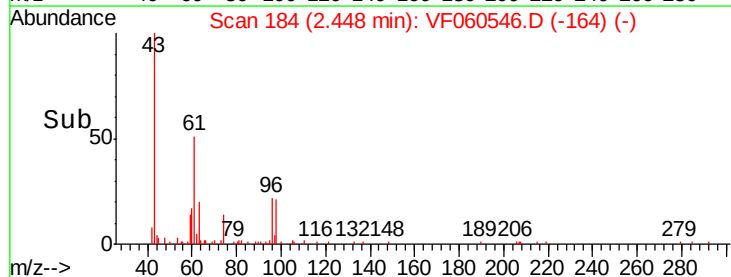
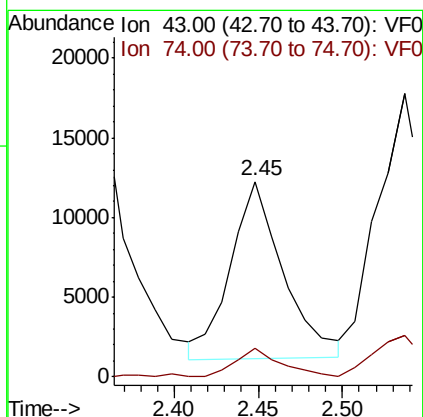
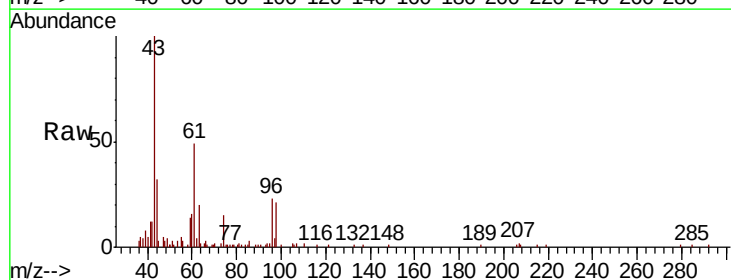
Acq: 30 Oct 2018 15:51

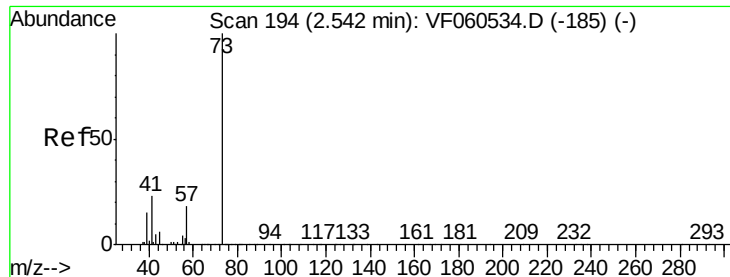
Tgt Ion: 43 Resp: 24351

Ion Ratio Lower Upper

43 100

74 14.9 13.5 20.3



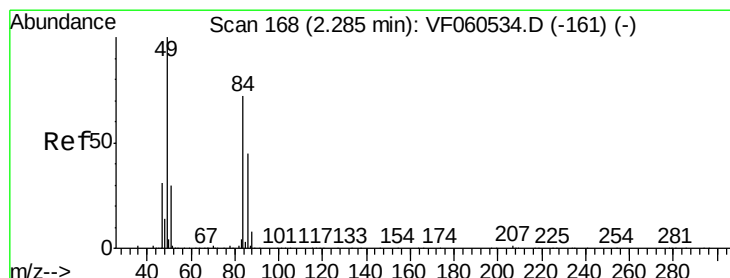
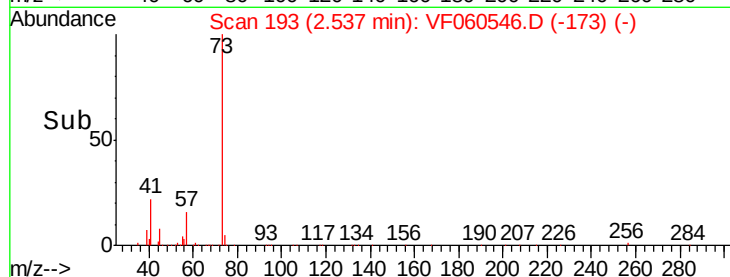
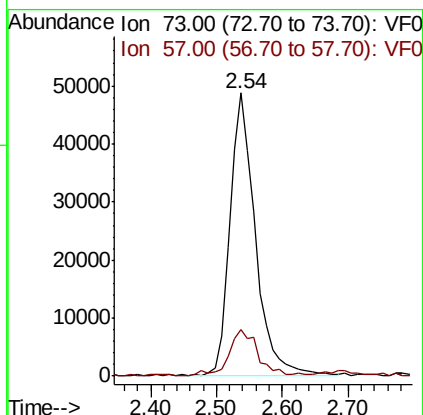
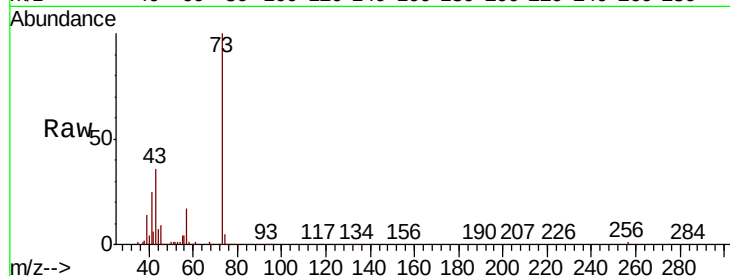


#19

Methyl tert-butyl Ether
 Concen: 24.876 ug/l
 RT: 2.54 min Scan# 193
 Delta R.T. -0.00 min
 Lab File: VF060546.D
 Acq: 30 Oct 2018 15:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

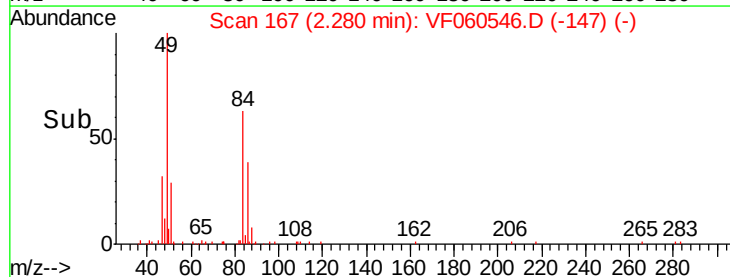
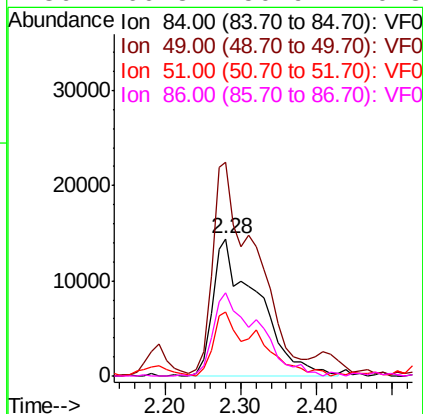
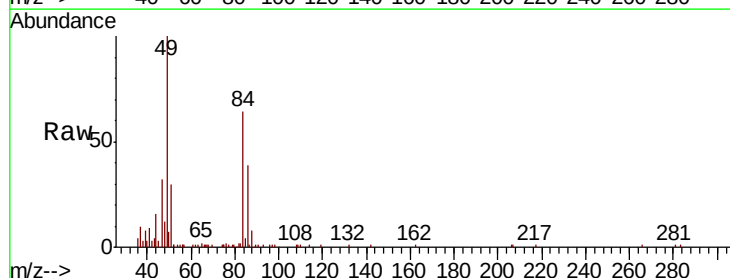
Tot Ion: 73 Resp: 130997
 Ion Ratio Lower Upper
 73 100
 57 16.5 14.7 22.1

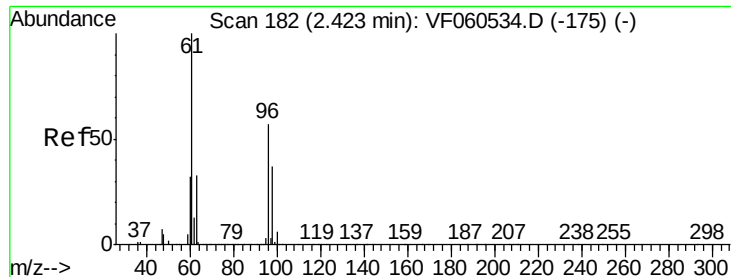


#20

Methylene Chloride
 Concen: 27.447 ug/l
 RT: 2.28 min Scan# 167
 Delta R.T. -0.00 min
 Lab File: VF060546.D
 Acq: 30 Oct 2018 15:51

Tgt Ion: 84 Resp: 59345
 Ion Ratio Lower Upper
 84 100
 49 155.8 115.4 173.0
 51 46.7 35.4 53.2
 86 60.8 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 24.551 ug/l

RT: 2.41 min Scan# 180

Delta R.T. -0.01 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

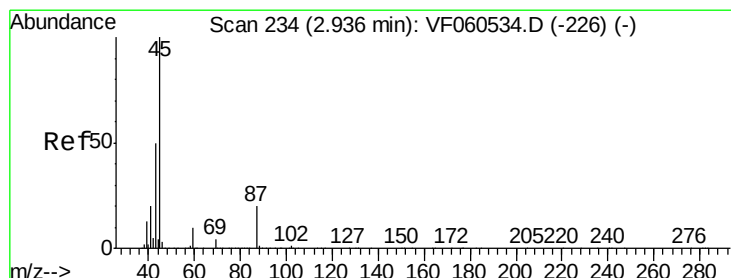
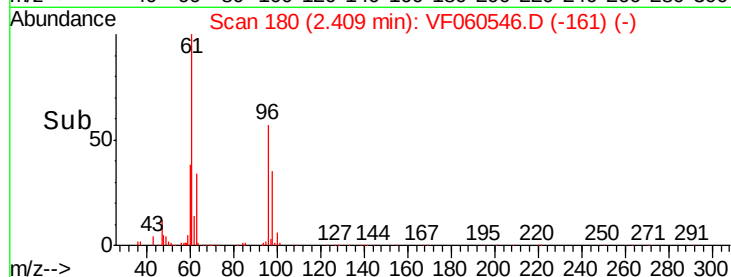
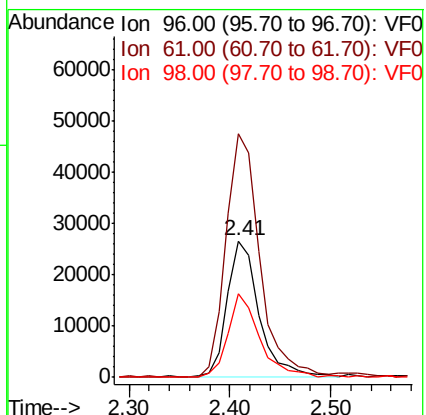
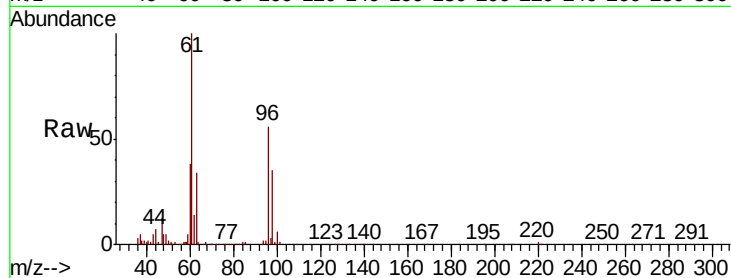
Tot Ion: 96 Resp: 59015

Ion Ratio Lower Upper

96 100

61 178.1 139.8 209.6

98 61.5 52.2 78.4



#22

Diisopropyl ether

Concen: 25.400 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.01 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Tgt Ion: 45 Resp: 172423

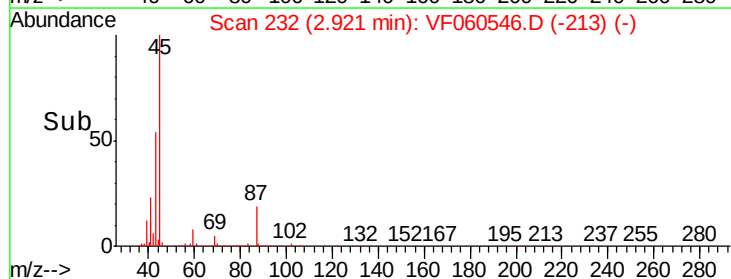
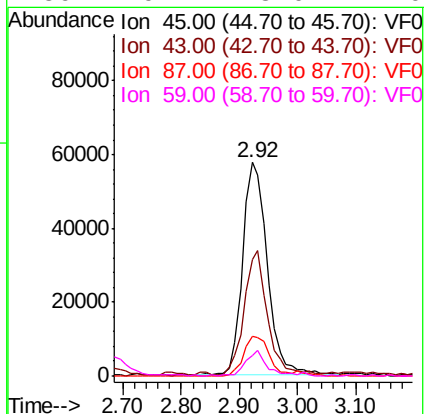
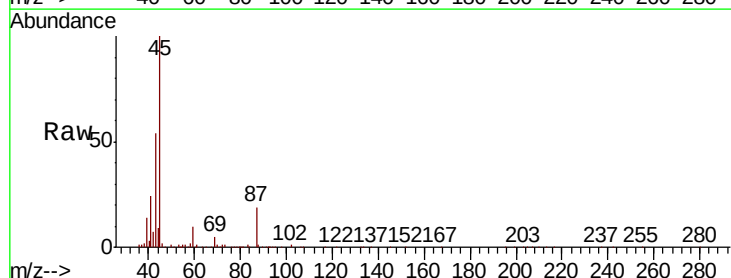
Ion Ratio Lower Upper

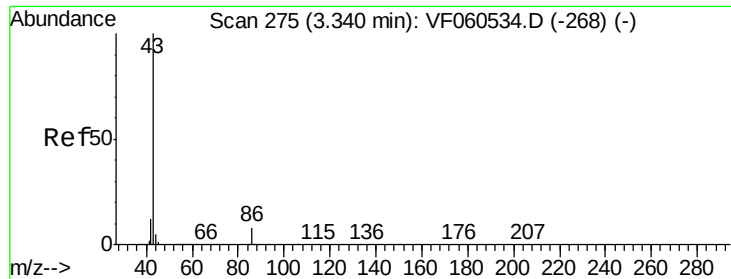
45 100

43 54.5 40.6 60.8

87 18.6 15.9 23.9

59 9.7 8.0 12.0





#23

Vinyl Acetate

Concen: 111.019 ug/l

RT: 3.34 min Scan# 274

Delta R.T. -0.00 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

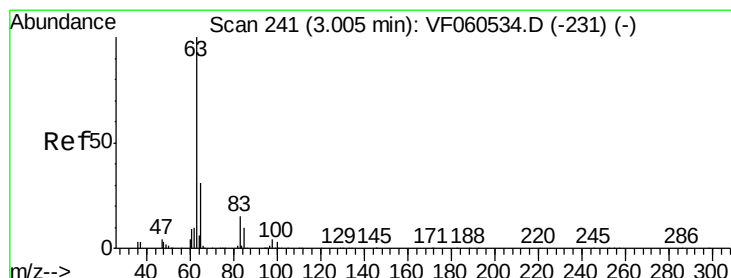
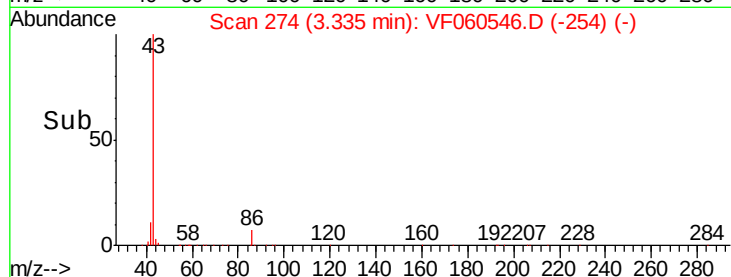
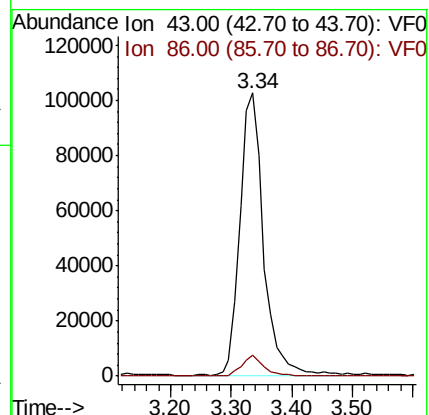
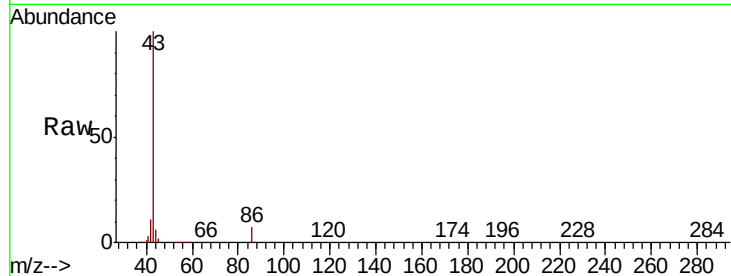
VF1030SBS01

Tot Ion: 43 Resp: 279550

Ion Ratio Lower Upper

43 100

86 7.2 6.2 9.2



#24

1,1-Dichloroethane

Concen: 26.582 ug/l

RT: 3.00 min Scan# 240

Delta R.T. -0.00 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

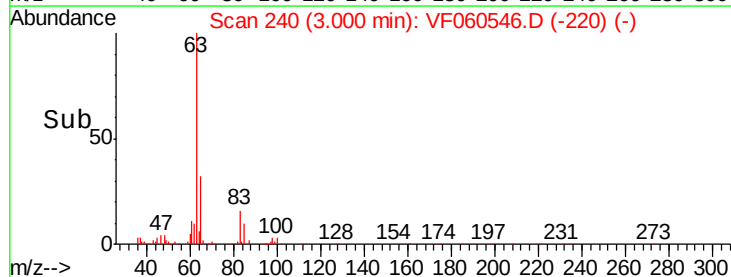
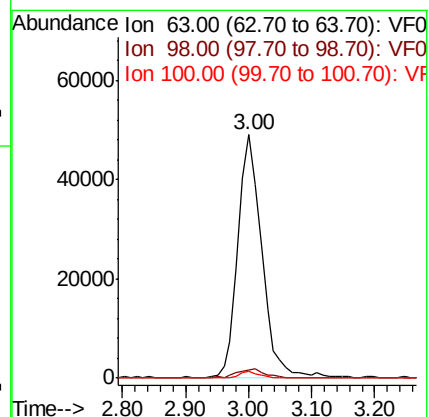
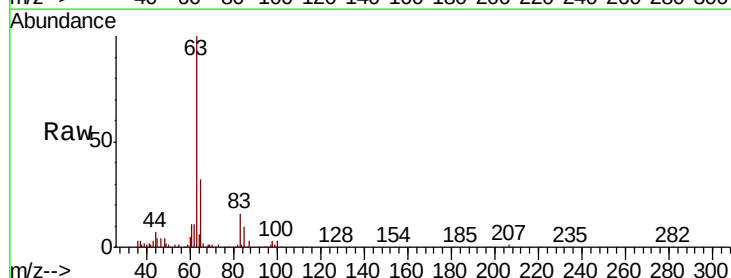
Tgt Ion: 63 Resp: 130210

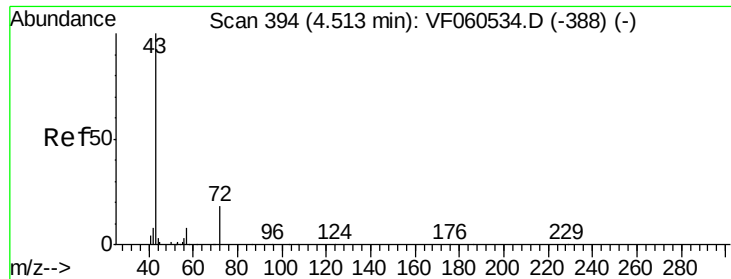
Ion Ratio Lower Upper

63 100

98 3.3 2.0 6.0

100 2.7 1.4 4.0

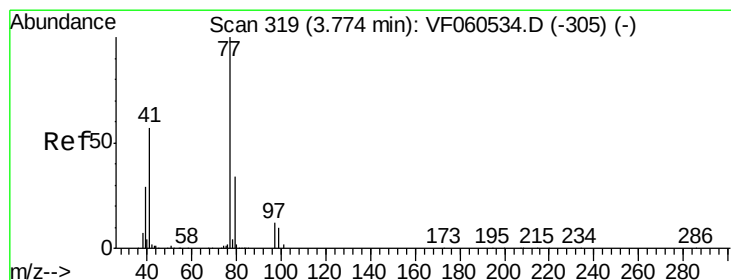
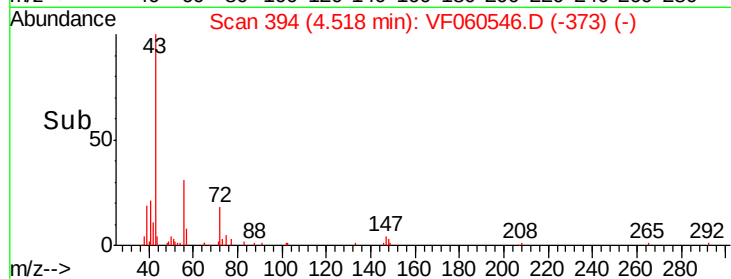
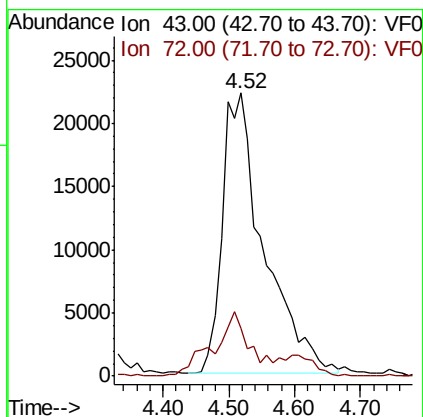
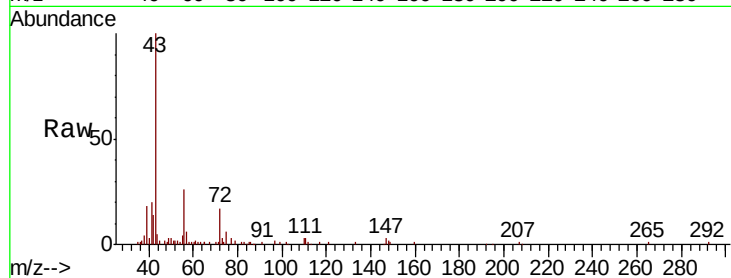




#25
 2-Butanone
 Concen: 114.635 ug/l
 RT: 4.52 min Scan# 394
 Delta R.T. 0.01 min
 Lab File: VF060546.D
 Acq: 30 Oct 2018 15:51

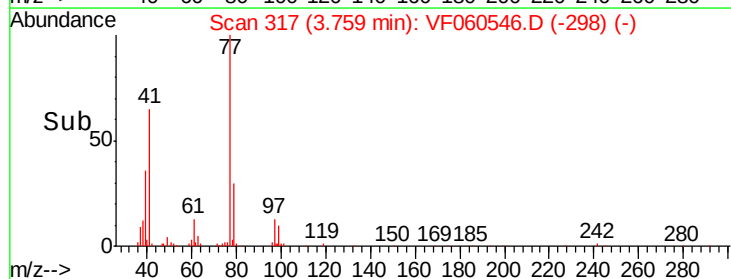
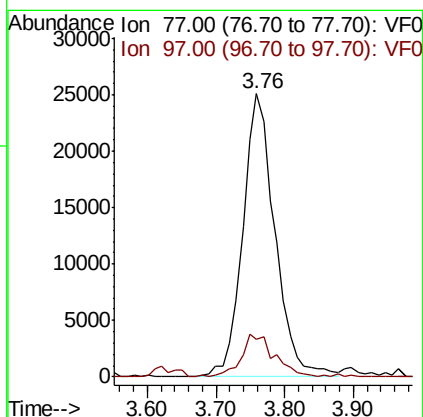
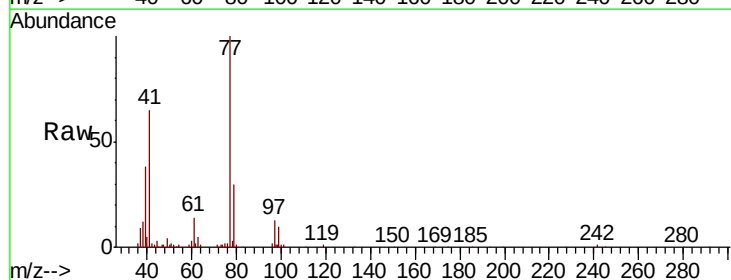
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

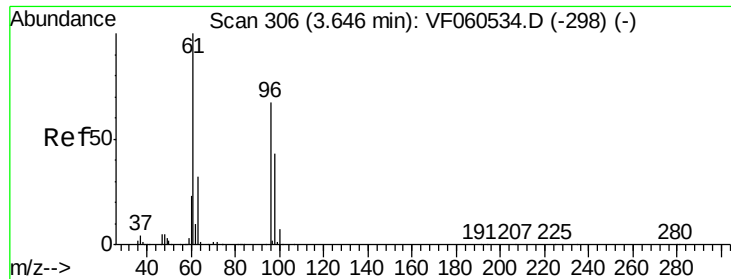
Tot Ion: 43 Resp: 97569
 Ion Ratio Lower Upper
 43 100
 72 16.9 17.4 26.0#



#26
 2,2-Dichloropropane
 Concen: 26.778 ug/l
 RT: 3.76 min Scan# 317
 Delta R.T. -0.01 min
 Lab File: VF060546.D
 Acq: 30 Oct 2018 15:51

Tgt Ion: 77 Resp: 81517
 Ion Ratio Lower Upper
 77 100
 97 13.4 8.5 25.5



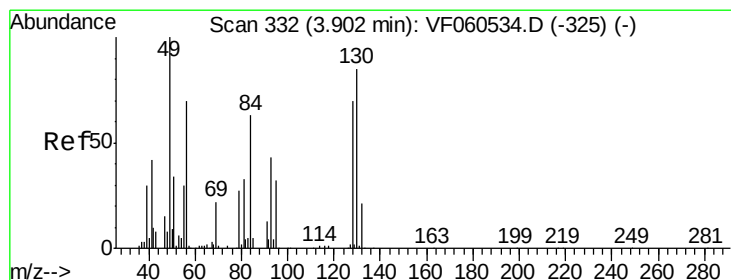
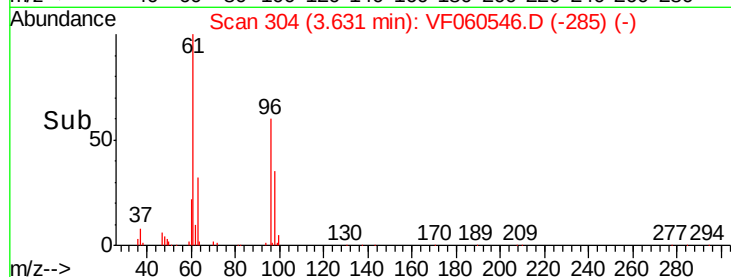
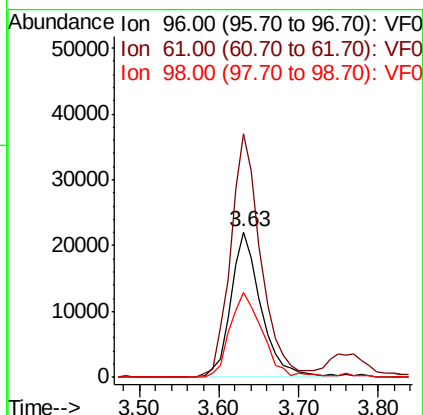
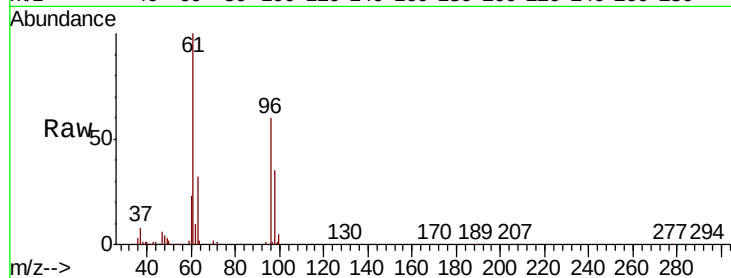


#27

cis-1,2-Dichloroethene
Concen: 20.180 ug/l
RT: 3.63 min Scan# 304
Delta R.T. -0.01 min
Lab File: VF060546.D
Acq: 30 Oct 2018 15:51

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

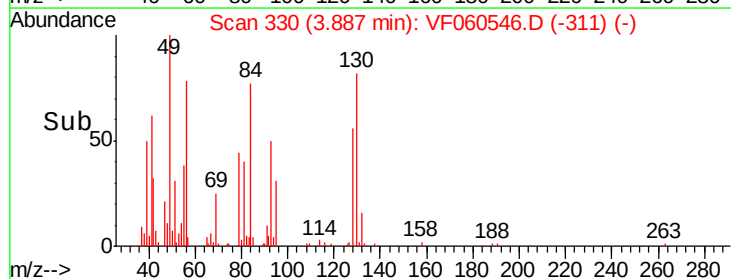
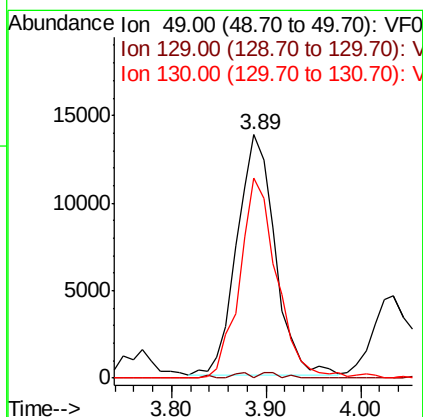
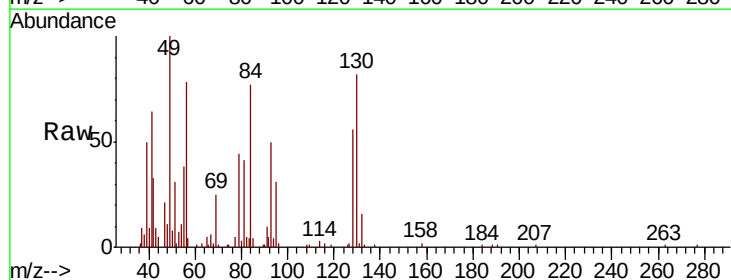
Tot Ion	96	Resp	58493
Ion	Ratio	Lower	Upper
96	100		
61	167.3	0.0	300.8
98	58.7	0.0	128.4

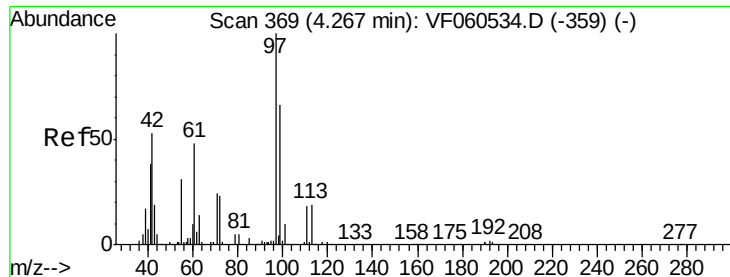


#28

Bromochloromethane
Concen: 21.858 ug/l
RT: 3.89 min Scan# 330
Delta R.T. -0.01 min
Lab File: VF060546.D
Acq: 30 Oct 2018 15:51

Tgt Ion	49	Resp	38566
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	82.3	67.5	101.3





#29

Tetrahydrofuran

Concen: 98.859 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.00 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

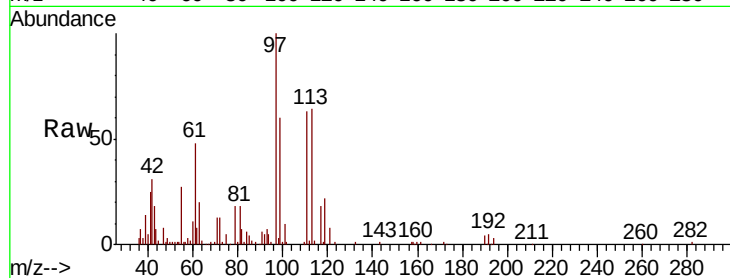
Tot Ion: 42 Resp: 28898

Ion Ratio Lower Upper

42 100

72 43.2 32.5 48.7

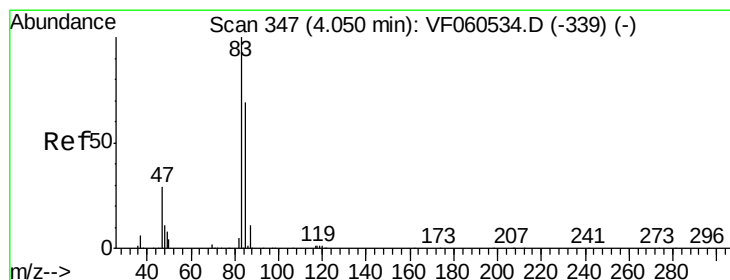
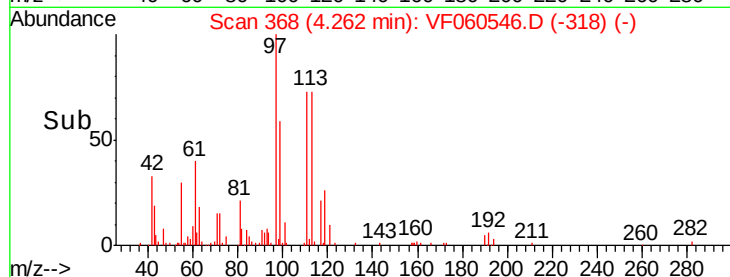
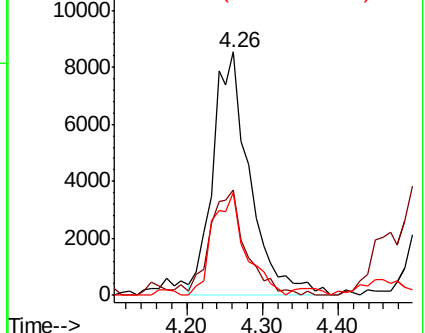
71 37.7 34.5 51.7



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: 23.390 ug/l

RT: 4.04 min Scan# 345

Delta R.T. -0.01 min

Lab File: VF060546.D

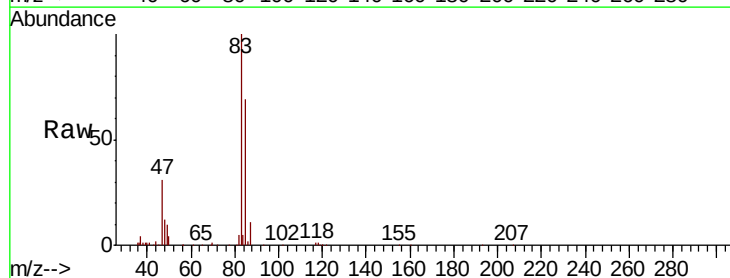
Acq: 30 Oct 2018 15:51

Tgt Ion: 83 Resp: 144697

Ion Ratio Lower Upper

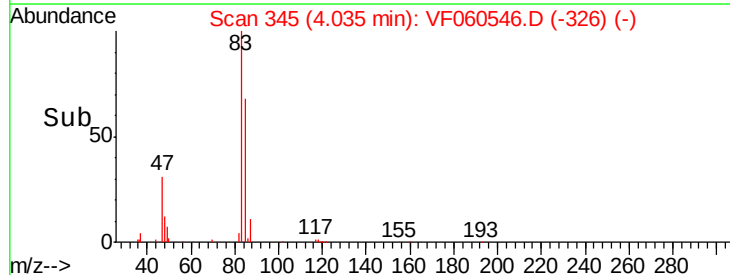
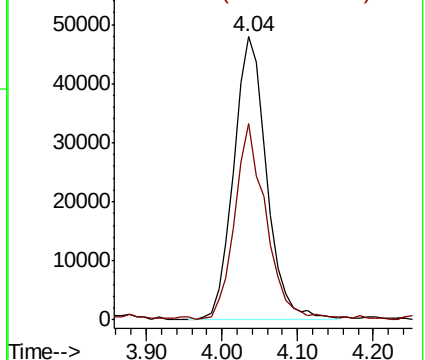
83 100

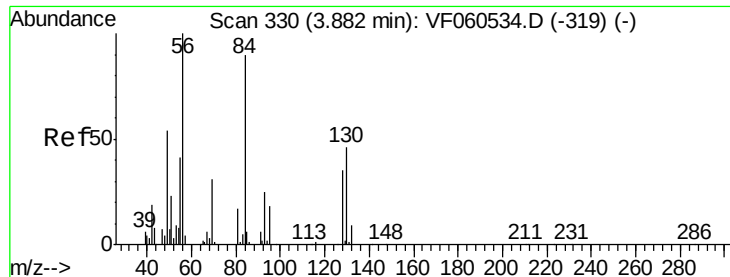
85 69.3 55.0 82.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 19.254 ug/l

RT: 3.86 min Scan# 327

Delta R.T. -0.02 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

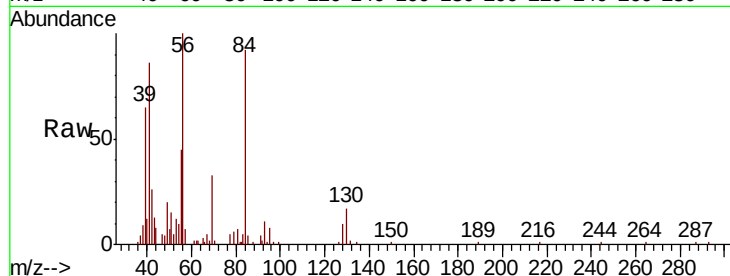
Tot Ion: 56 Resp: 67342

Ion Ratio Lower Upper

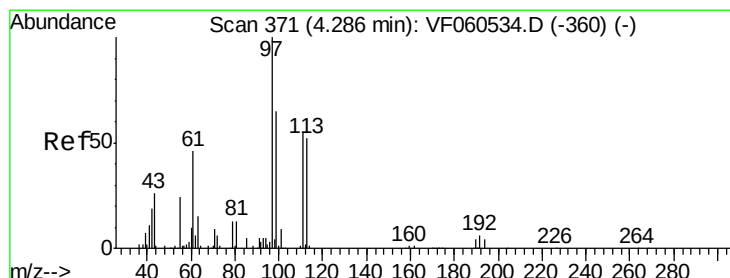
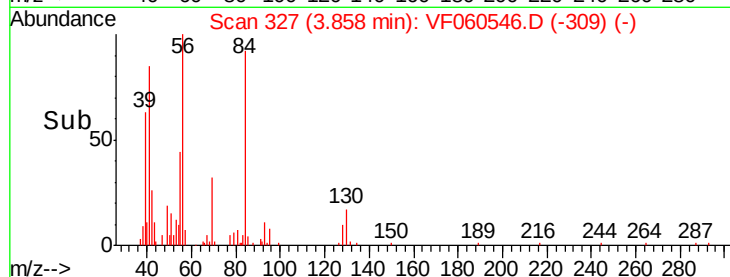
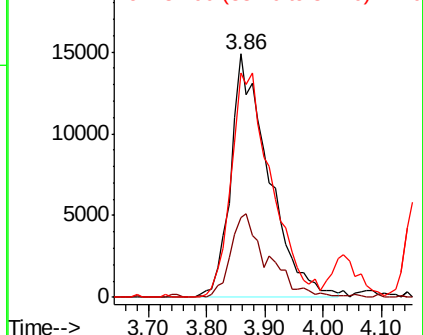
56 100

69 32.6 25.0 37.6

84 91.9 72.1 108.1



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 27.139 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.01 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

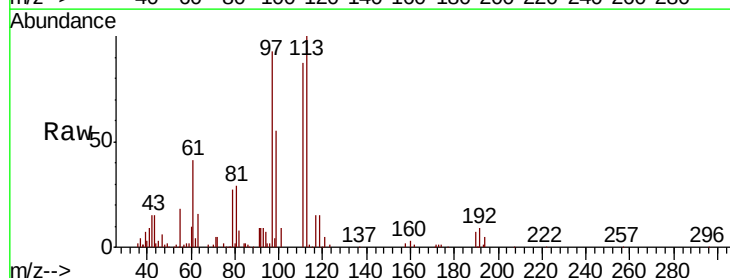
Tgt Ion: 97 Resp: 138799

Ion Ratio Lower Upper

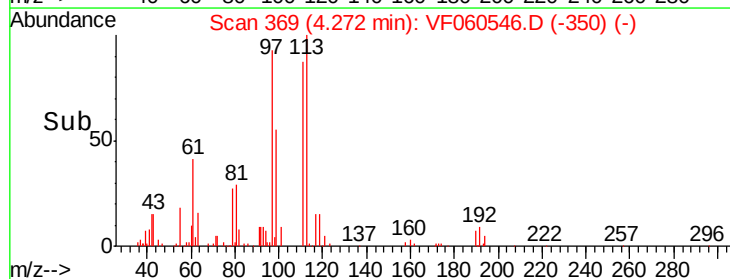
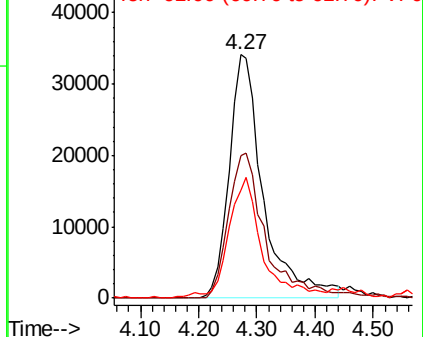
97 100

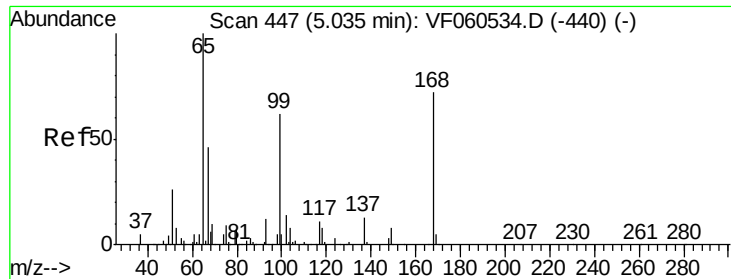
99 58.6 51.7 77.5

61 44.3 36.8 55.2



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0

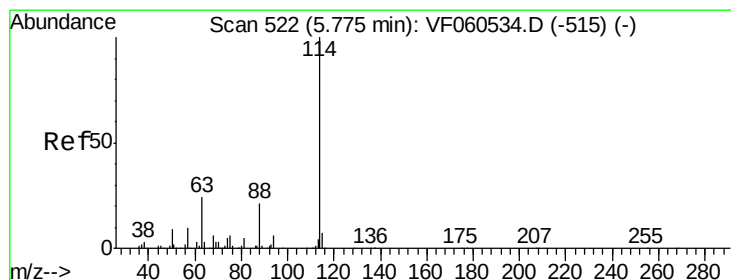
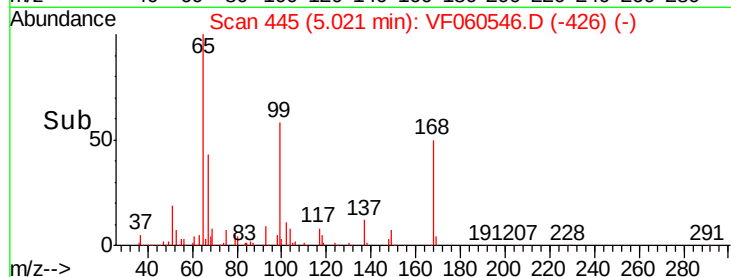
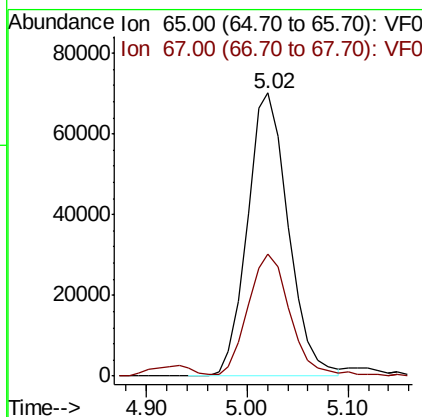
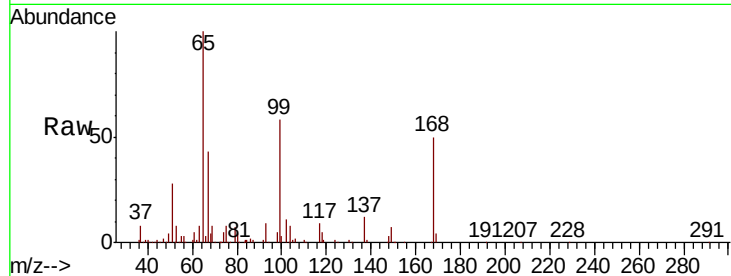




#33
 1,2-Dichloroethane-d4
 Concen: 61.434 ug/l
 RT: 5.02 min Scan# 445
 Delta R.T. -0.01 min
 Lab File: VF060546.D
 Acq: 30 Oct 2018 15:51

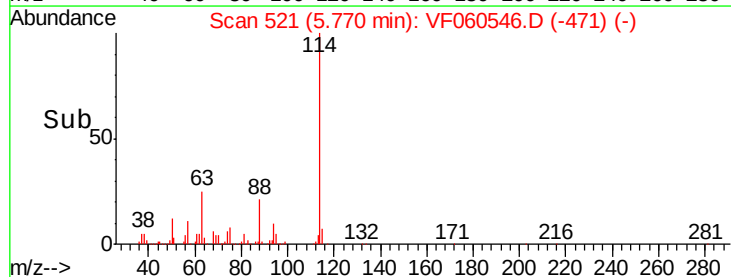
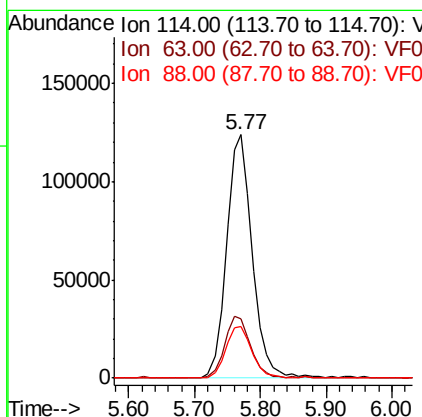
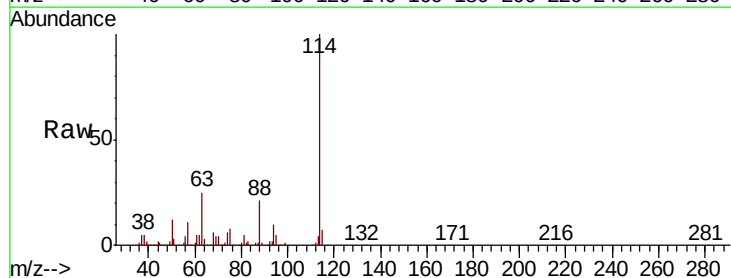
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBSD01

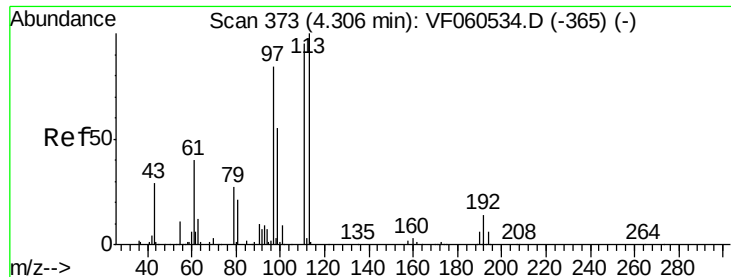
Tot Ion: 65 Resp: 198176
 Ion Ratio Lower Upper
 65 100
 67 43.1 0.0 94.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 521
 Delta R.T. -0.00 min
 Lab File: VF060546.D
 Acq: 30 Oct 2018 15:51

Tgt Ion: 114 Resp: 338174
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 48.0
 88 21.2 0.0 42.0





#35

Dibromofluoromethane

Concen: 58.230 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

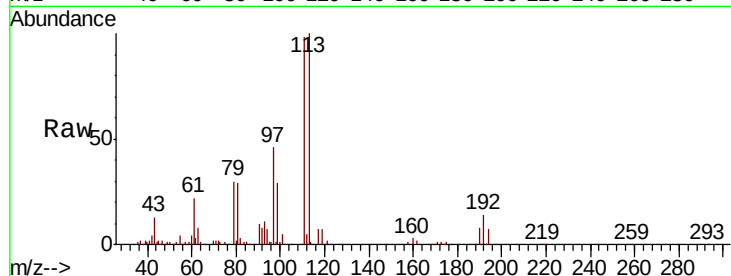
Tot Ion:113 Resp: 188959

Ion Ratio Lower Upper

113 100

111 98.3 75.9 113.9

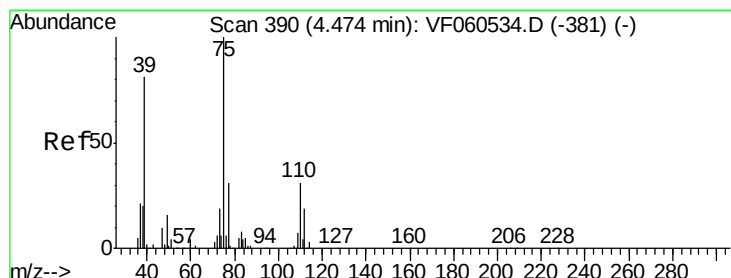
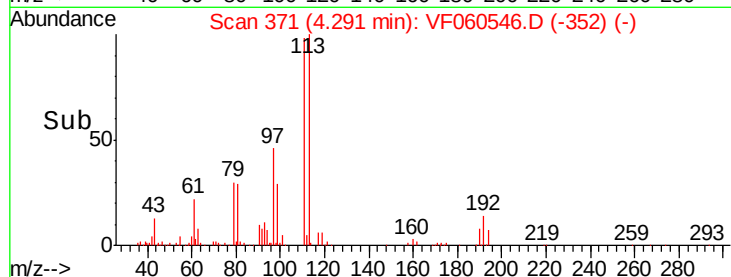
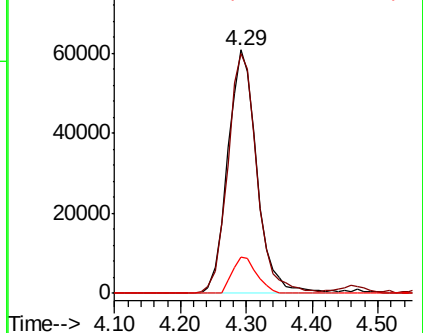
192 14.7 11.2 16.8



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: 22.226 ug/l

RT: 4.46 min Scan# 388

Delta R.T. -0.01 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

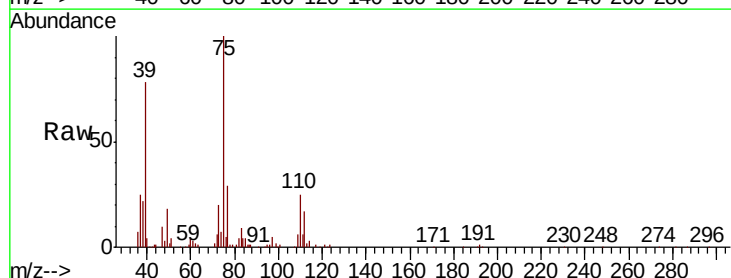
Tgt Ion: 75 Resp: 93649

Ion Ratio Lower Upper

75 100

110 25.5 15.3 45.8

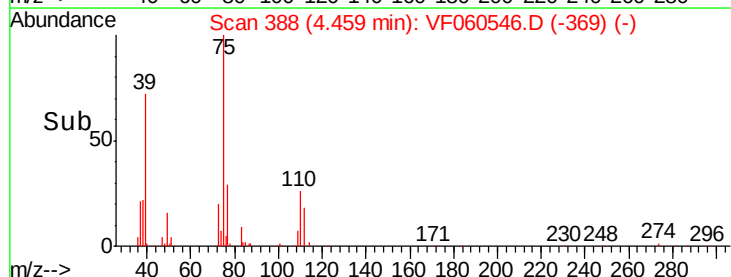
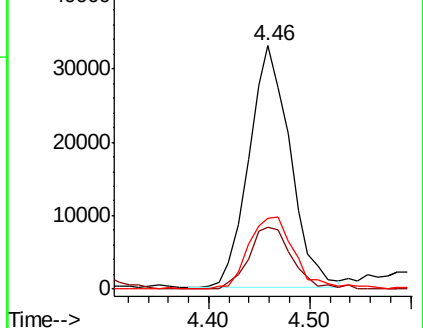
77 29.0 24.8 37.2

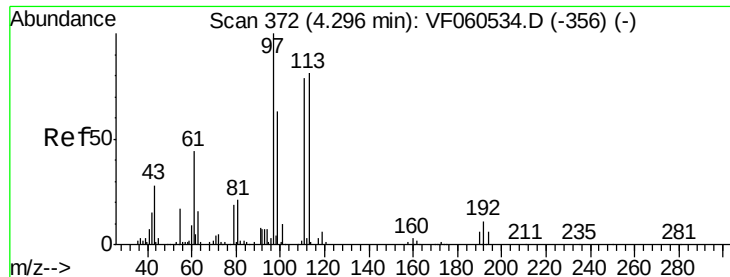


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

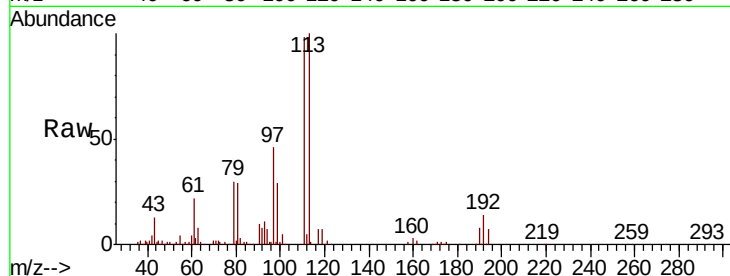




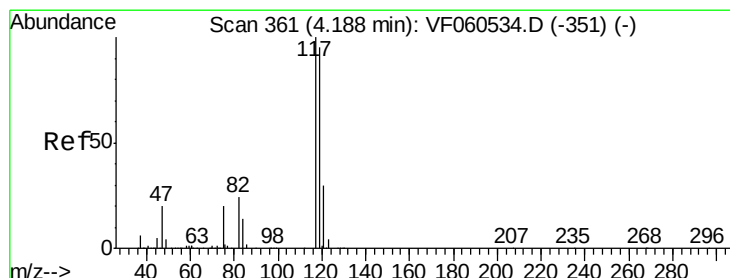
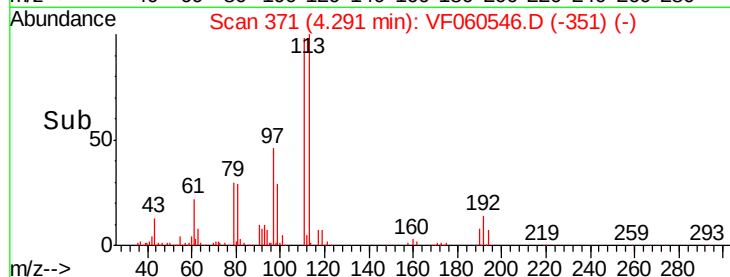
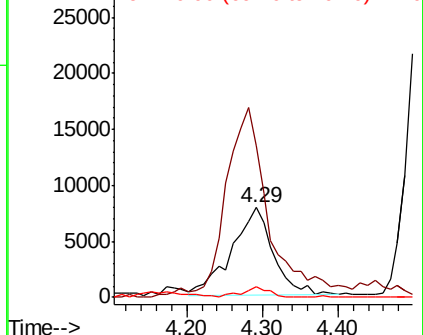
#37
Ethyl Acetate
Concen: 22.108 ug/l
RT: 4.29 min Scan# 371
Delta R.T. -0.00 min
Lab File: VF060546.D
Acq: 30 Oct 2018 15:51

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tot Ion: 43 Resp: 30156
Ion Ratio Lower Upper
43 100
61 168.8 123.9 185.9
70 12.5 7.3 10.9#

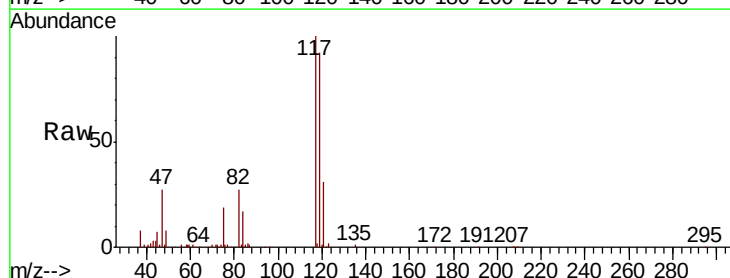


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

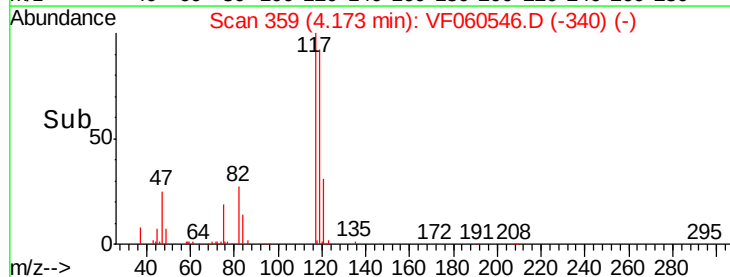
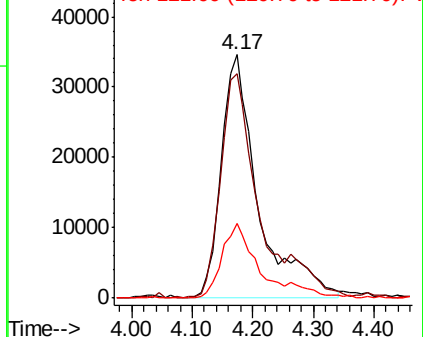


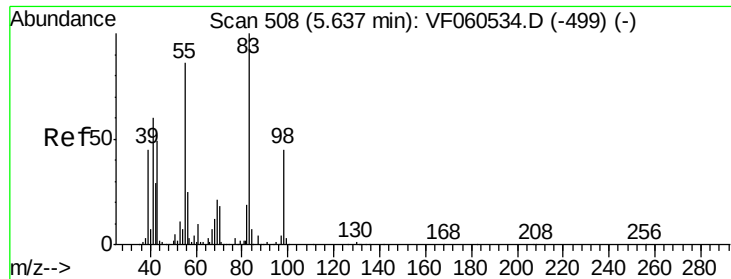
#38
Carbon Tetrachloride
Concen: 29.263 ug/l
RT: 4.17 min Scan# 359
Delta R.T. -0.01 min
Lab File: VF060546.D
Acq: 30 Oct 2018 15:51

Tgt Ion: 117 Resp: 147627
Ion Ratio Lower Upper
117 100
119 92.2 76.5 114.7
121 30.7 24.3 36.5



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

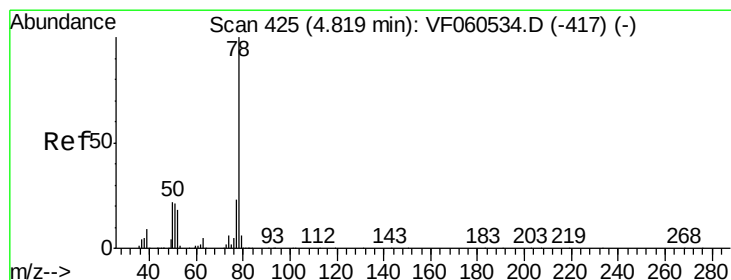
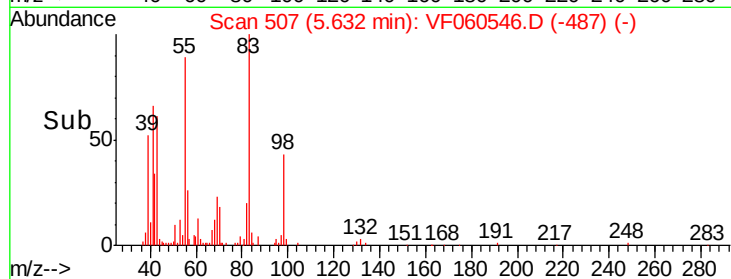
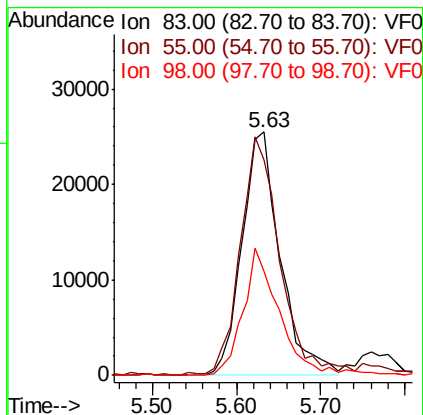
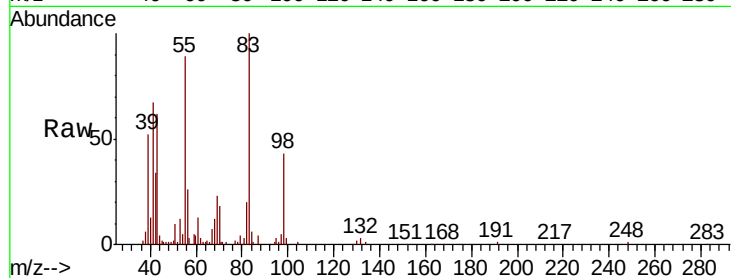




#39
Methylvlcyclohexane
Concen: 19.107 ug/l
RT: 5.63 min Scan# 507
Delta R.T. -0.00 min
Lab File: VF060546.D
Acq: 30 Oct 2018 15:51

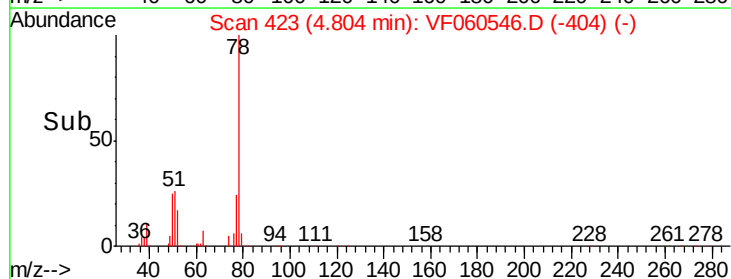
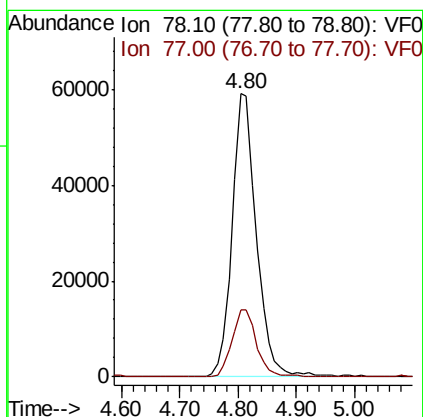
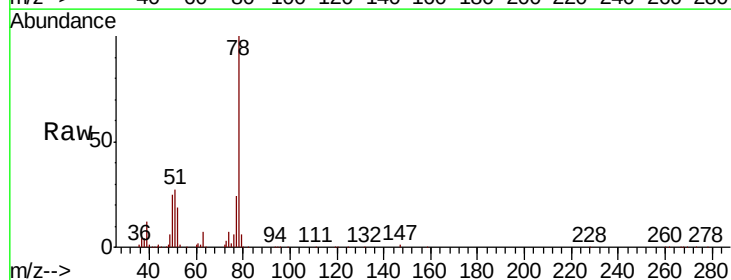
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

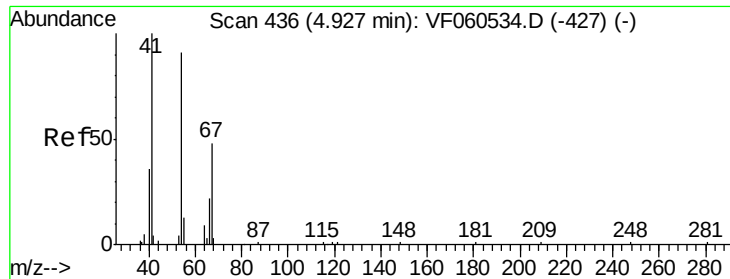
Tot Ion: 83 Resp: 81301
Ion Ratio Lower Upper
83 100
55 88.7 69.0 103.4
98 42.7 36.1 54.1



#40
Benzene
Concen: 20.531 ug/l
RT: 4.80 min Scan# 423
Delta R.T. -0.01 min
Lab File: VF060546.D
Acq: 30 Oct 2018 15:51

Tgt Ion: 78 Resp: 171572
Ion Ratio Lower Upper
78 100
77 23.8 18.5 27.7

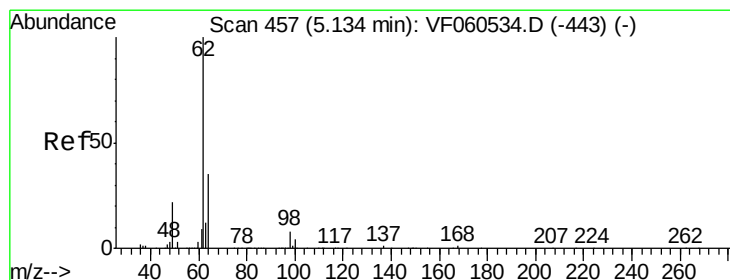
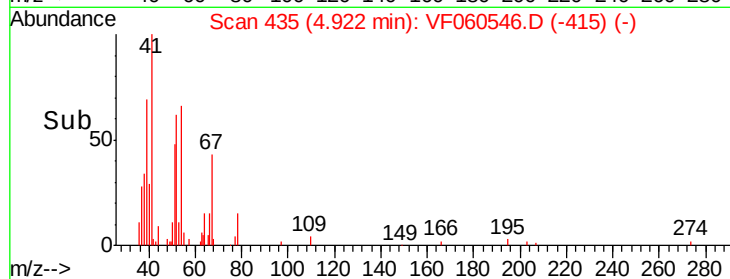
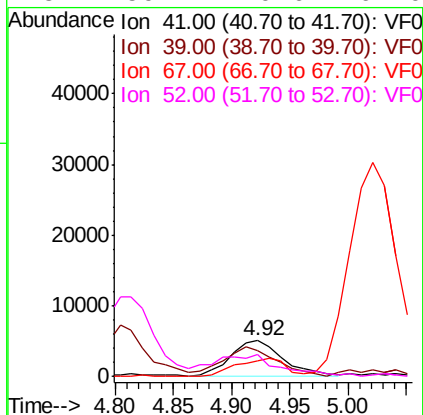
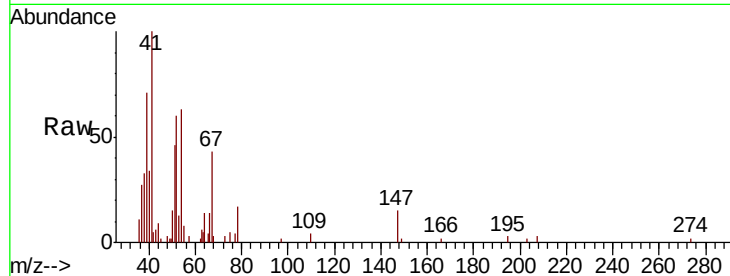




#41
Methacrylonitrile
Concen: 20.216 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.00 min
Lab File: VF060546.D
Acq: 30 Oct 2018 15:51

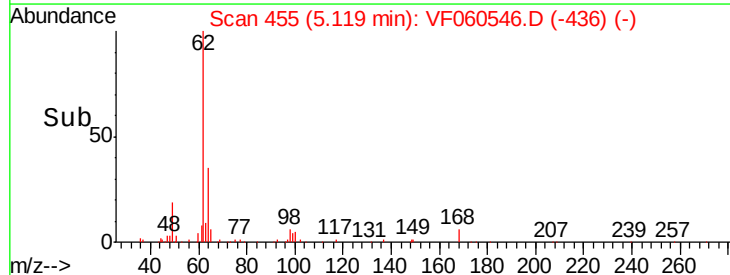
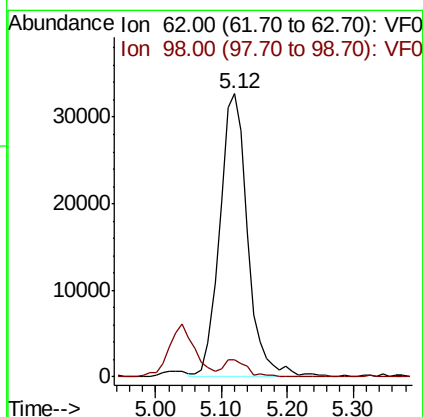
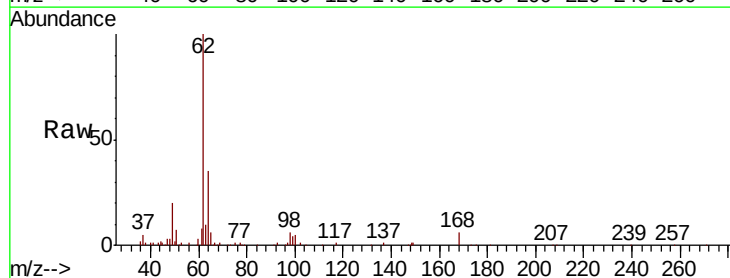
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

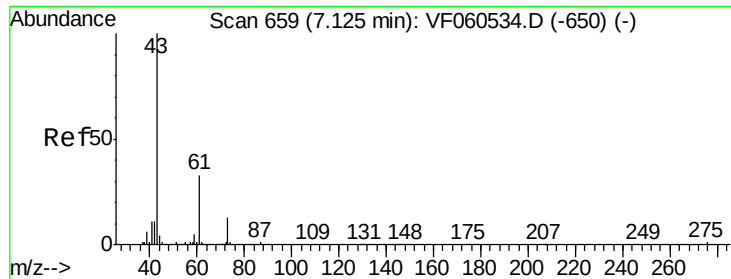
Tot Ion:	41	Resp:	15763
Ion	Ratio	Lower	Upper
41	100		
39	71.0	51.0	76.6
67	43.3	38.0	57.0
52	59.7	40.6	61.0



#42
1,2-Dichloroethane
Concen: 24.948 ug/l
RT: 5.12 min Scan# 455
Delta R.T. -0.01 min
Lab File: VF060546.D
Acq: 30 Oct 2018 15:51

Tgt Ion:	62	Resp:	96807
Ion	Ratio	Lower	Upper
62	100		
98	5.9	0.0	15.8





#43

Isopropyl Acetate

Concen: 21.691 ug/l

RT: 7.11 min Scan# 657

Delta R.T. -0.01 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

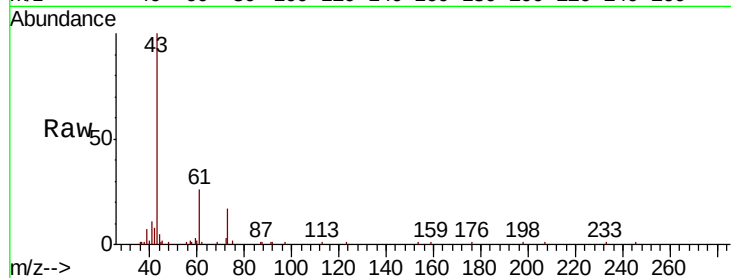
Tot Ion: 43 Resp: 35814

Ion Ratio Lower Upper

43 100

61 26.4 26.6 40.0#

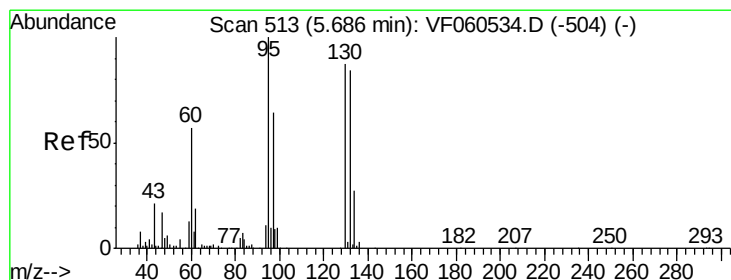
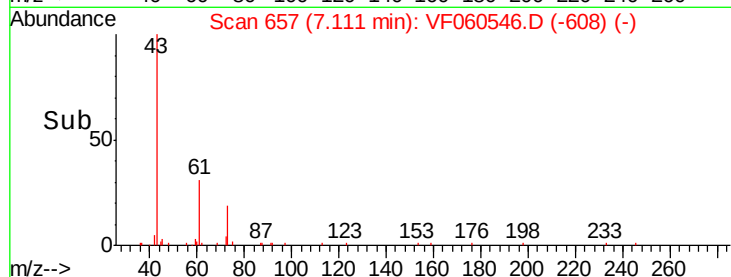
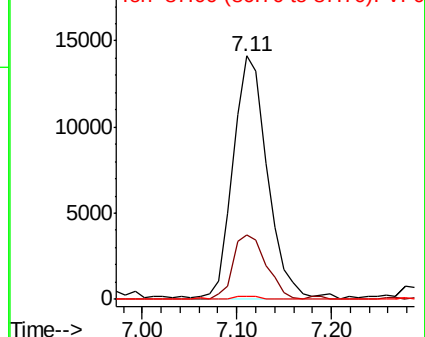
87 1.2 0.6 1.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 20.992 ug/l

RT: 5.67 min Scan# 511

Delta R.T. -0.01 min

Lab File: VF060546.D

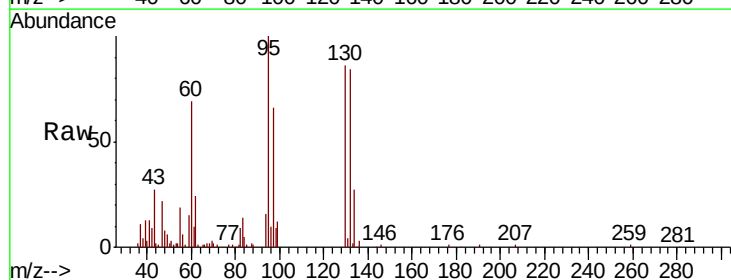
Acq: 30 Oct 2018 15:51

Tgt Ion:130 Resp: 56707

Ion Ratio Lower Upper

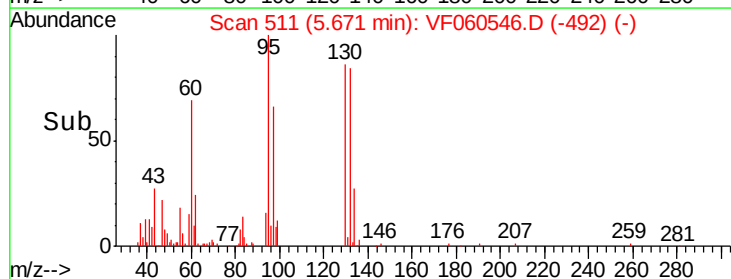
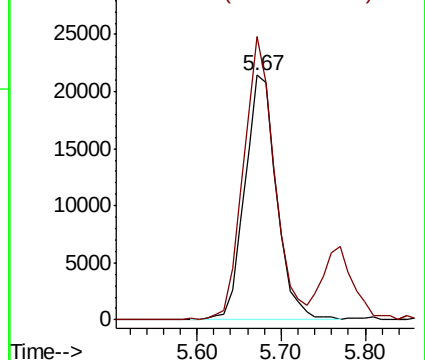
130 100

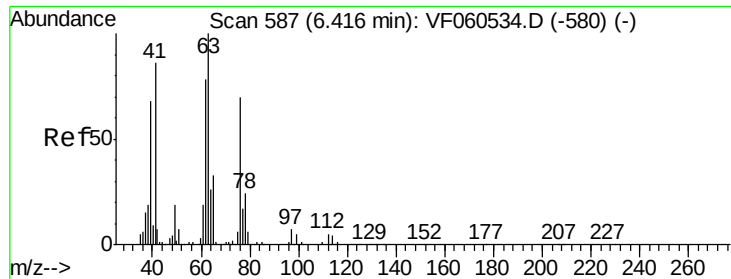
95 115.6 0.0 229.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 19.438 ug/l

RT: 6.41 min Scan# 586

Delta R.T. -0.00 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

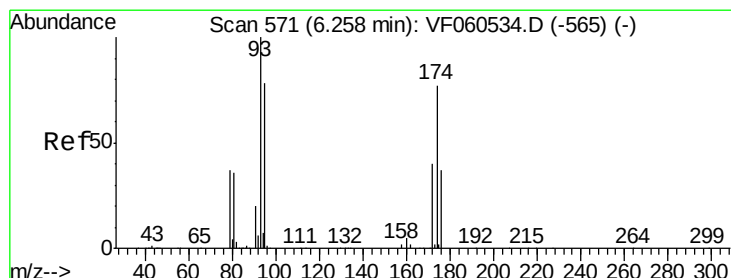
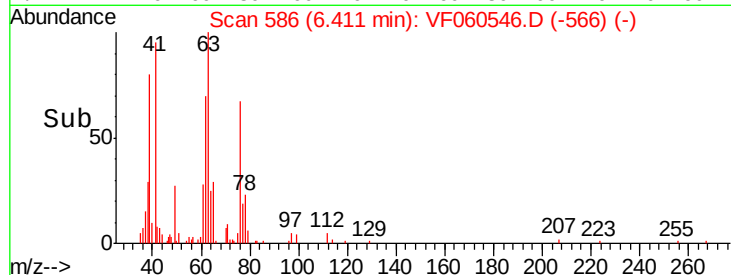
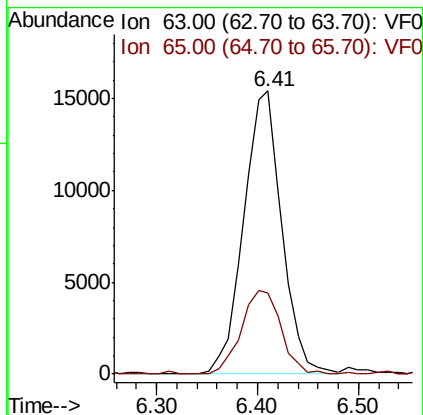
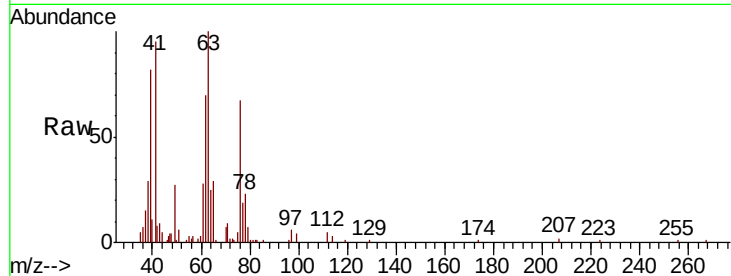
VF1030SBS01

Tot Ion: 63 Resp: 40536

Ion Ratio Lower Upper

63 100

65 28.9 26.5 39.7



#46

Dibromomethane

Concen: 20.694 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.00 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

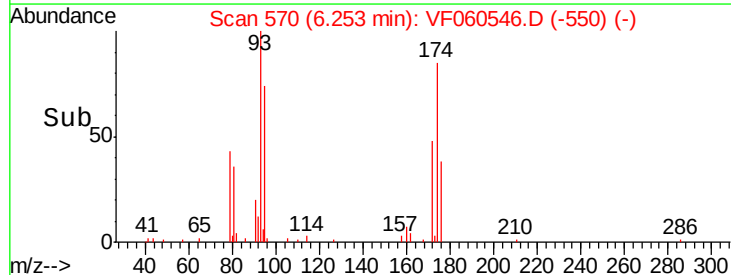
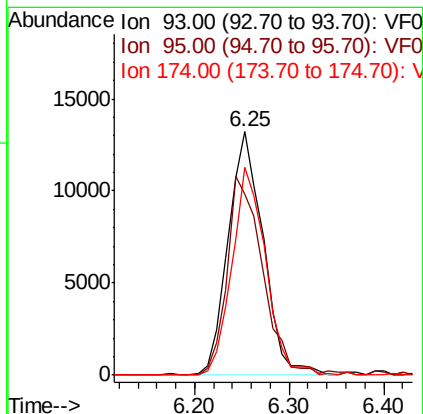
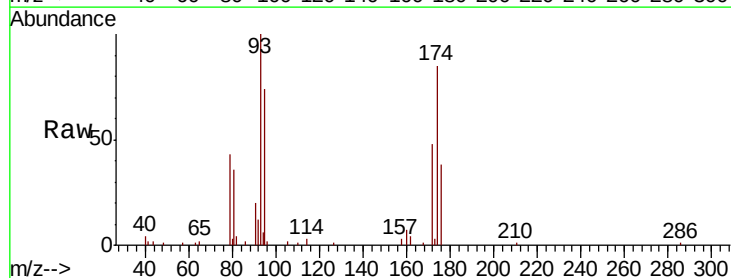
Tgt Ion: 93 Resp: 33889

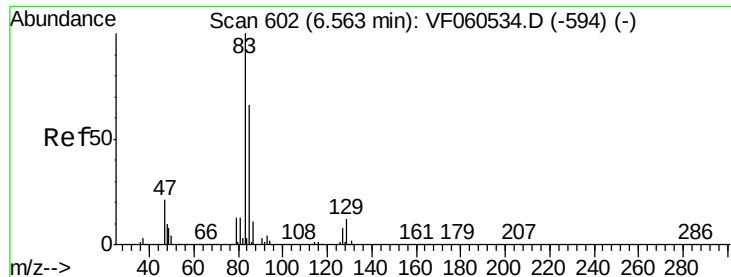
Ion Ratio Lower Upper

93 100

95 76.2 64.3 96.5

174 85.4 63.3 94.9





#47

Bromodichloromethane

Concen: 22.953 ug/l

RT: 6.55 min Scan# 600

Delta R.T. -0.01 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

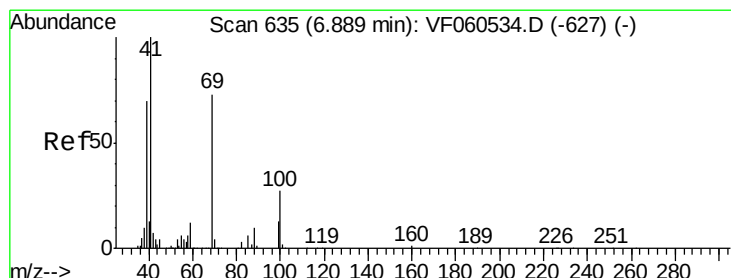
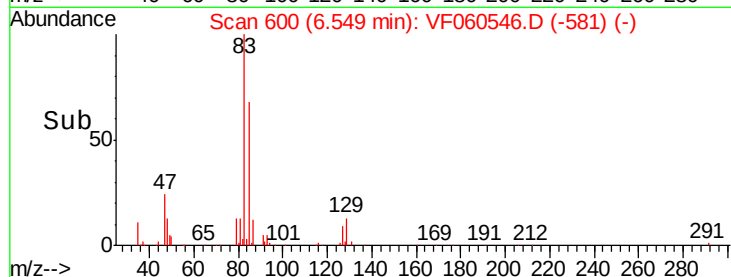
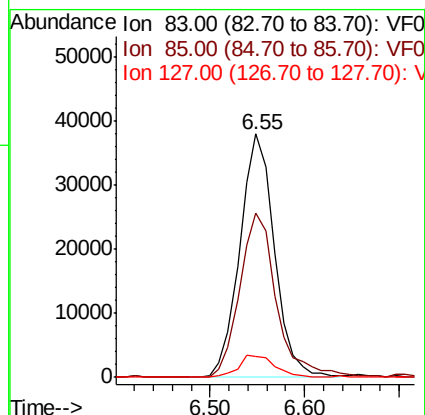
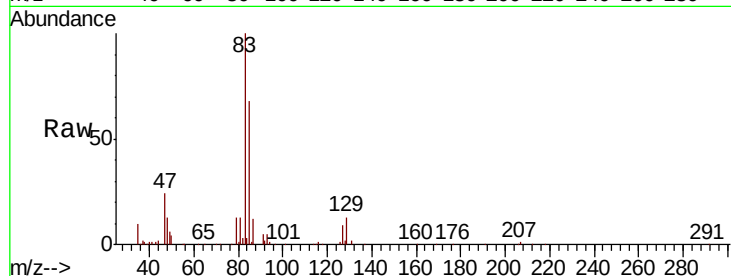
Tot Ion: 83 Resp: 96449

Ion Ratio Lower Upper

83 100

85 67.7 52.7 79.1

127 8.8 6.4 9.6



#48

Methyl methacrylate

Concen: 21.433 ug/l

RT: 6.87 min Scan# 633

Delta R.T. -0.01 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

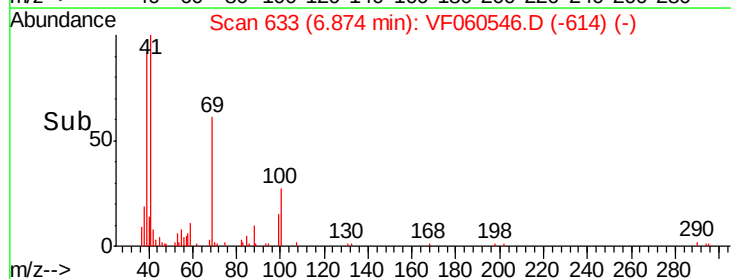
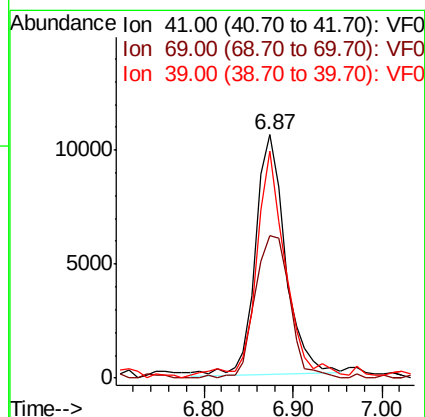
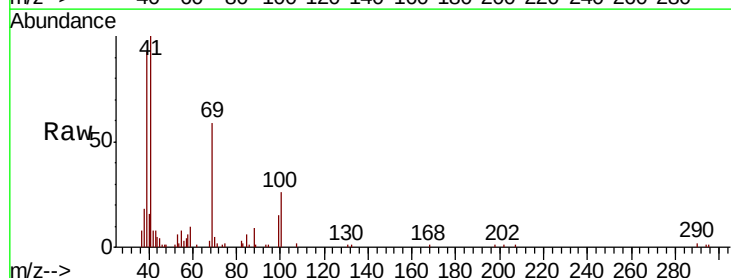
Tgt Ion: 41 Resp: 24409

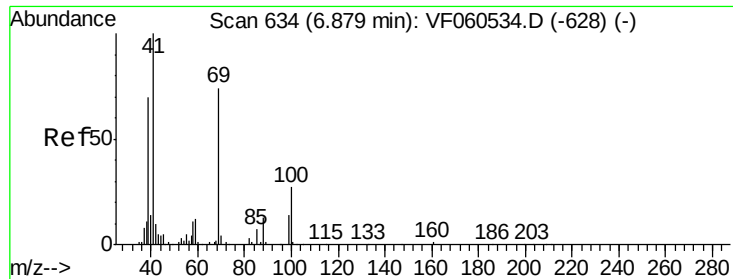
Ion Ratio Lower Upper

41 100

69 58.7 58.4 87.6

39 93.2 56.4 84.6#





#49

1,4-Dioxane

Concen: 334.150 ug/l

RT: 6.86 min Scan# 632

Delta R.T. -0.01 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

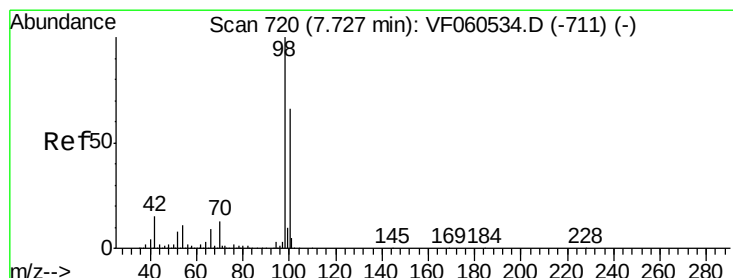
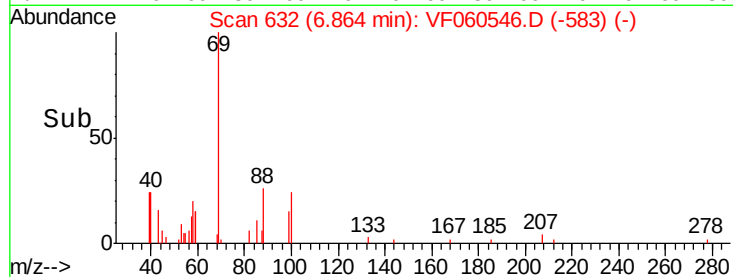
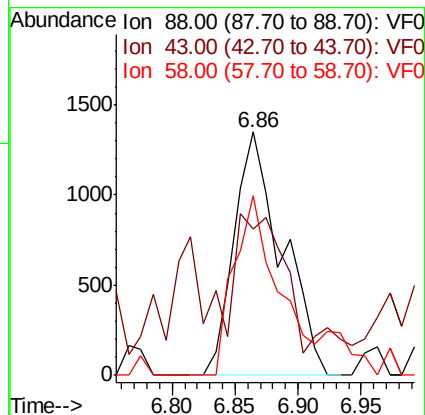
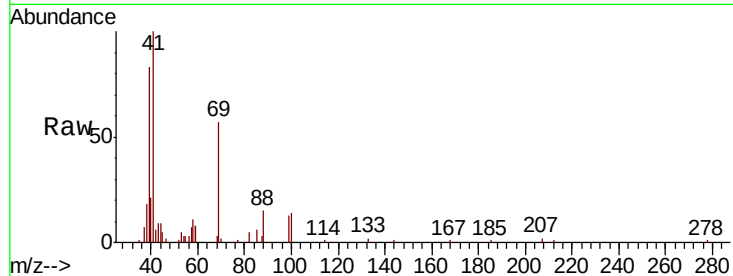
Tot Ion: 88 Resp: 3540

Ion Ratio Lower Upper

88 100

43 60.1 49.7 74.5

58 73.9 67.7 101.5



#50

Toluene-d8

Concen: 49.726 ug/l

RT: 7.71 min Scan# 718

Delta R.T. -0.01 min

Lab File: VF060546.D

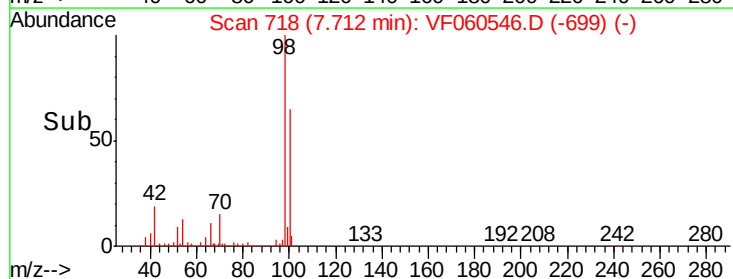
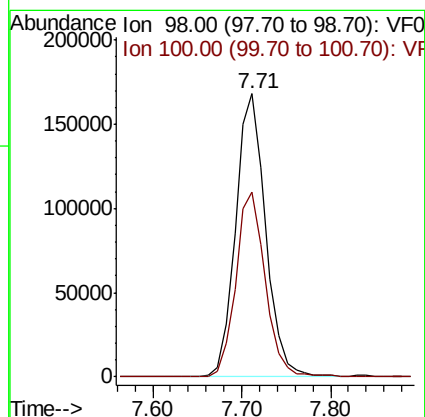
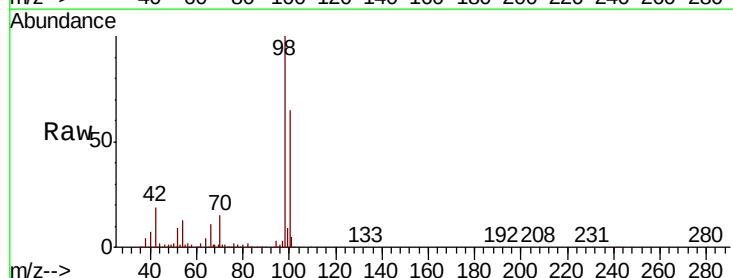
Acq: 30 Oct 2018 15:51

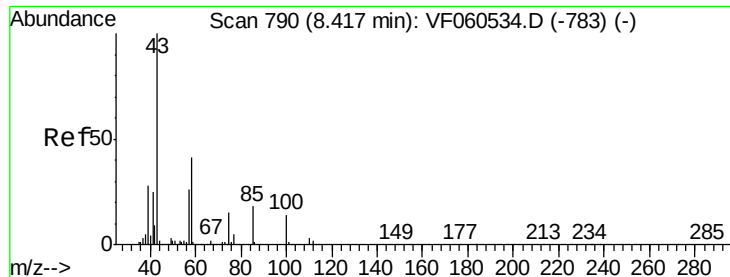
Tgt Ion: 98 Resp: 394078

Ion Ratio Lower Upper

98 100

100 65.4 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 105.805 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.01 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

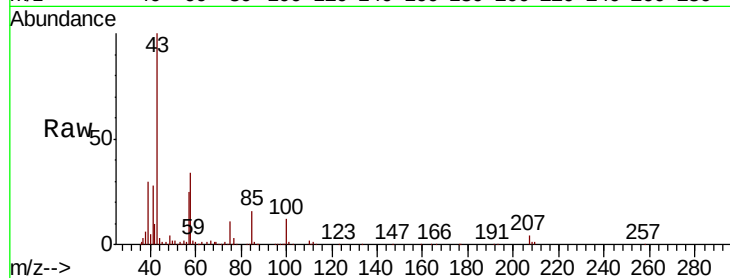
VF1030SBS01

Tot Ion: 43 Resp: 126540

Ion Ratio Lower Upper

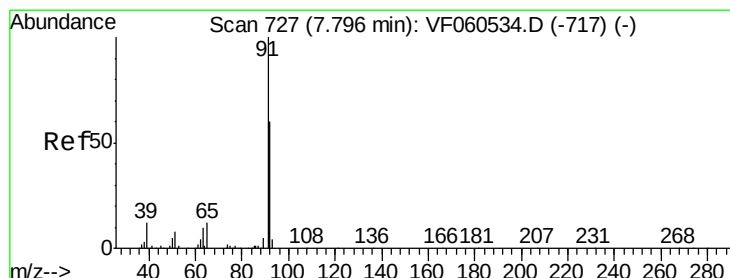
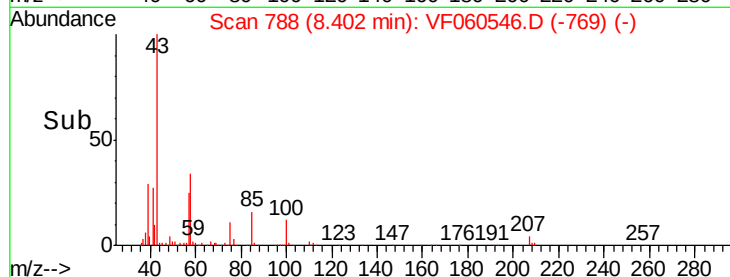
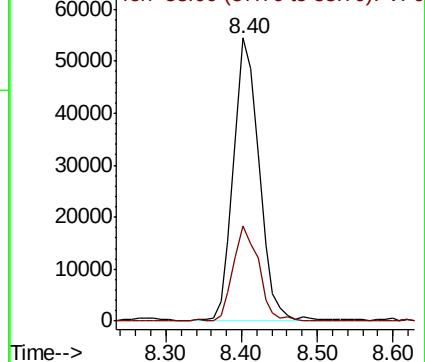
43 100

58 33.6 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: 18.782 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.01 min

Lab File: VF060546.D

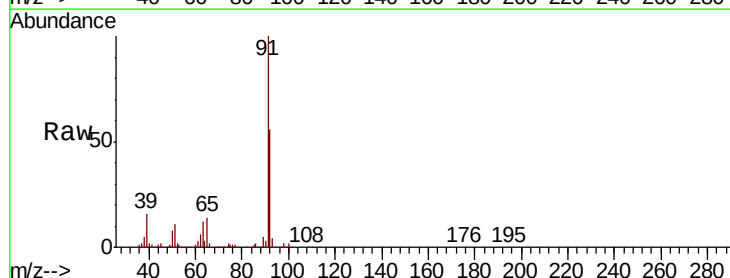
Acq: 30 Oct 2018 15:51

Tgt Ion: 92 Resp: 101894

Ion Ratio Lower Upper

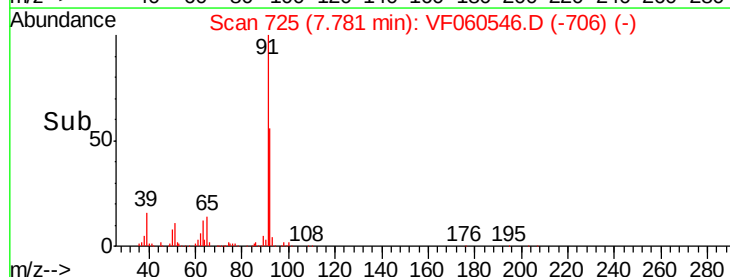
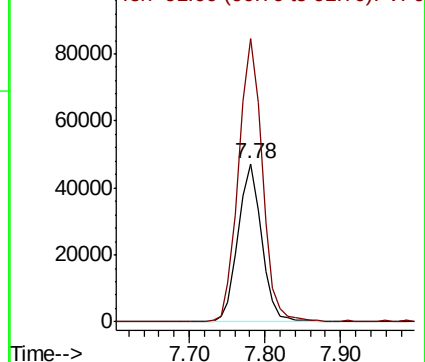
92 100

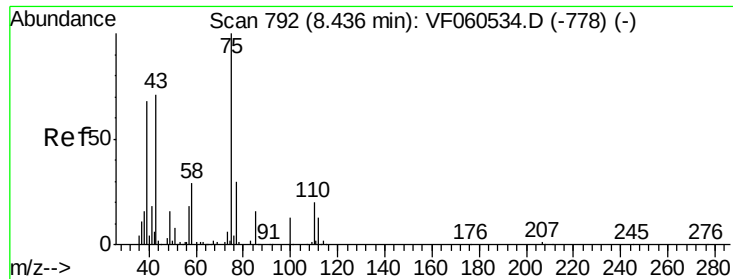
91 178.7 134.1 201.1



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: 22.735 ug/l

RT: 8.43 min Scan# 791

Delta R.T. -0.00 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

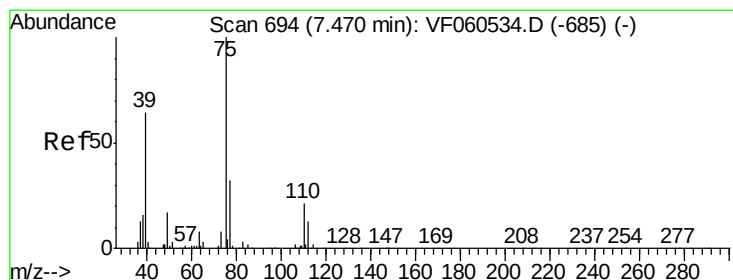
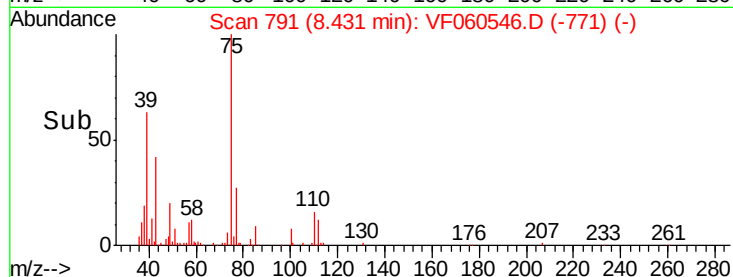
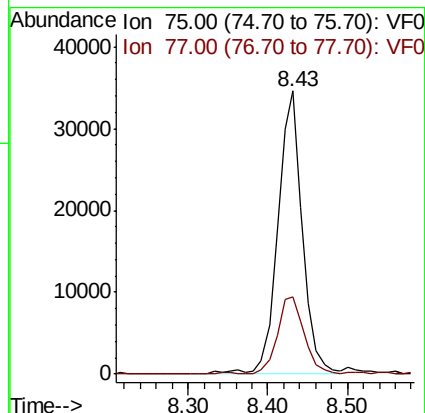
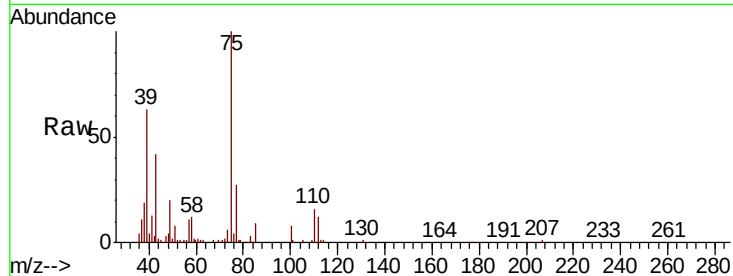
VF1030SBS01

Tot Ion: 75 Resp: 74628

Ion Ratio Lower Upper

75 100

77 27.4 24.2 36.4



#54

cis-1,3-Dichloropropene

Concen: 20.687 ug/l

RT: 7.46 min Scan# 692

Delta R.T. -0.01 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

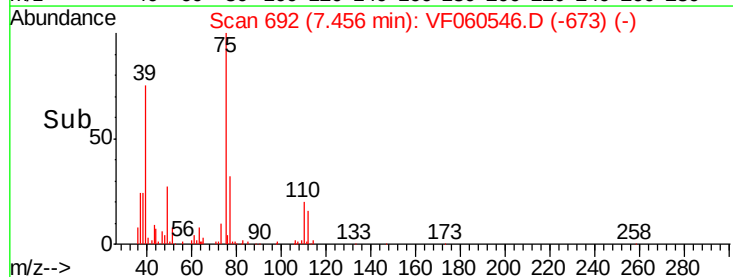
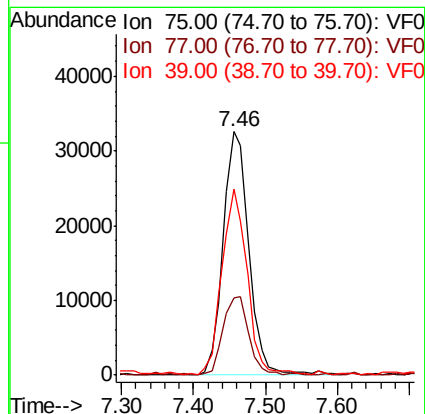
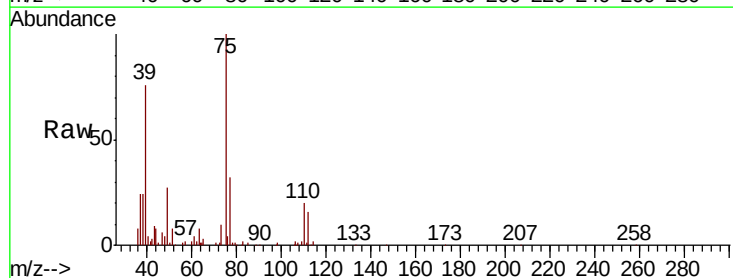
Tgt Ion: 75 Resp: 80476

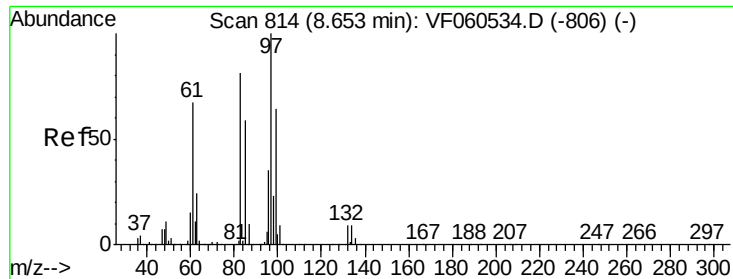
Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

39 76.5 51.5 77.3





#55

1,1,2-Trichloroethane

Concen: 18.808 ug/l

RT: 8.64 min Scan# 812

Delta R.T. -0.01 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tot Ion: 97 Resp: 30573

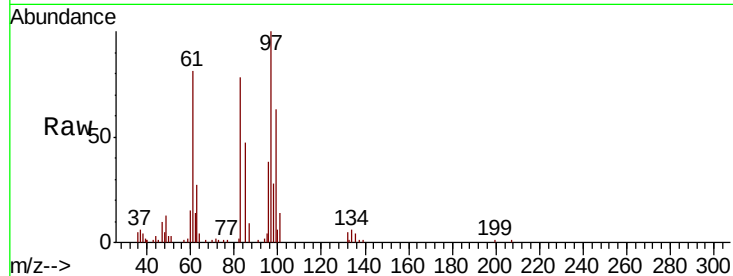
Ion Ratio Lower Upper

97 100

83 78.1 65.3 97.9

85 47.2 47.6 71.4#

99 62.6 51.5 77.3

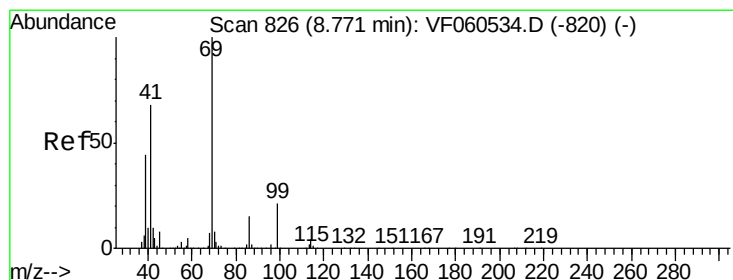
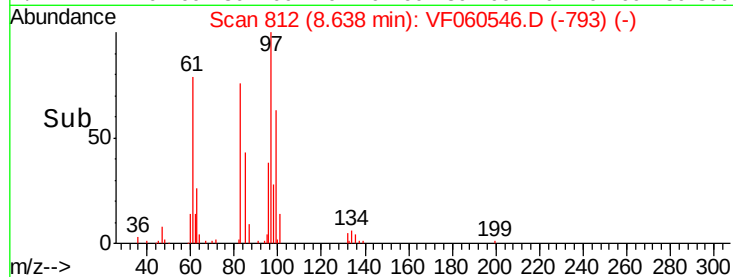
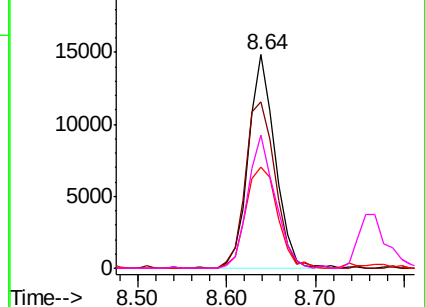


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 20.007 ug/l

RT: 8.77 min Scan# 825

Delta R.T. -0.00 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

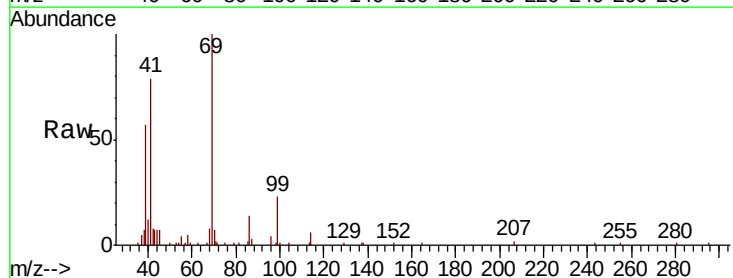
Tgt Ion: 69 Resp: 36491

Ion Ratio Lower Upper

69 100

41 78.9 55.0 82.6

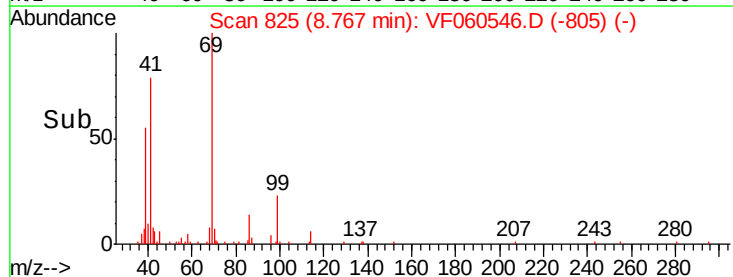
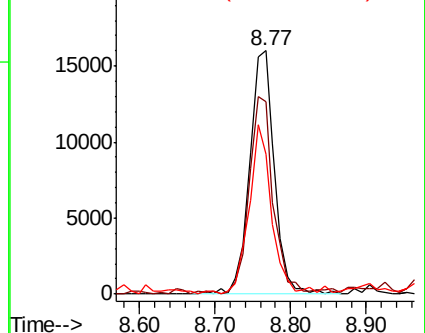
39 57.4 35.1 52.7#

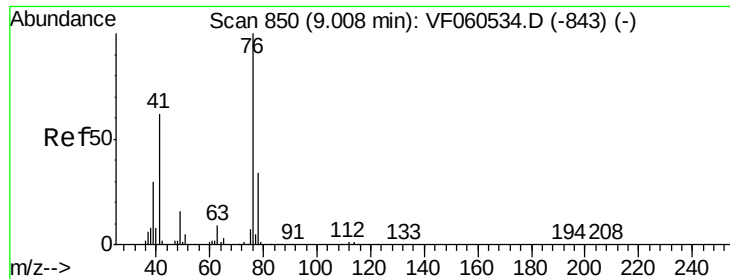


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 18.778 ug/l

RT: 9.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

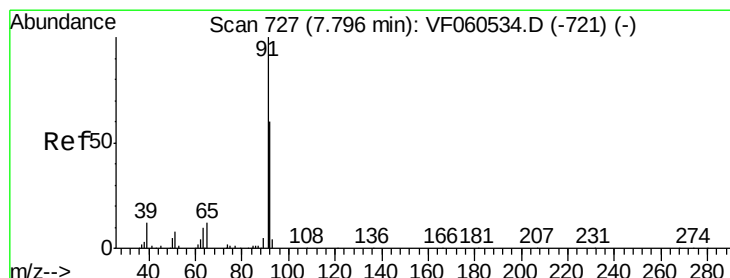
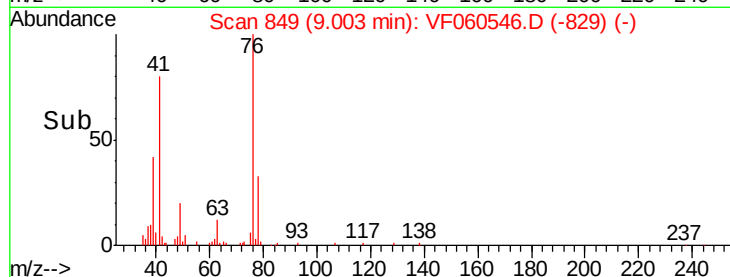
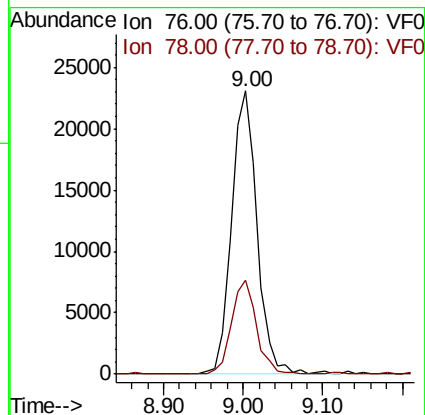
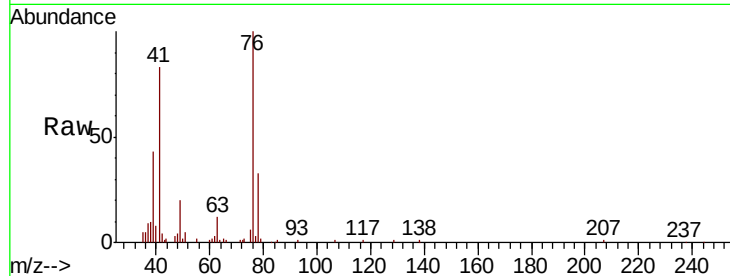
VF1030SBS01

Tot Ion: 76 Resp: 51655

Ion Ratio Lower Upper

76 100

78 33.0 27.3 40.9



#58

2-Chloroethyl Vinyl ether

Concen: 125.447 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.01 min

Lab File: VF060546.D

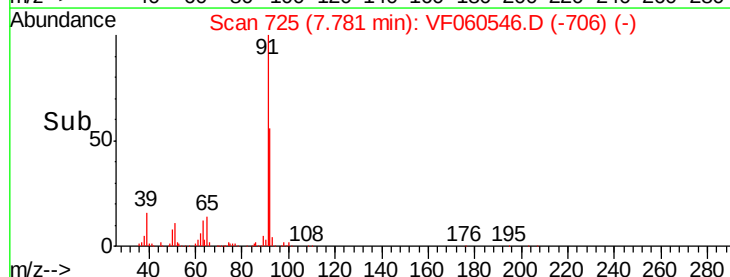
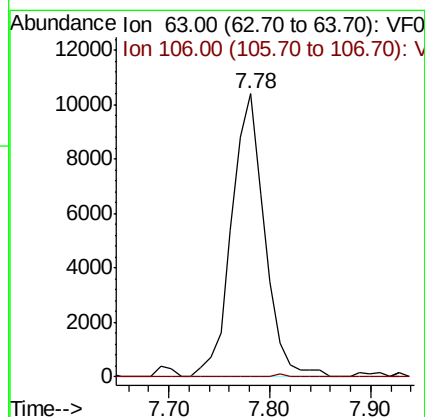
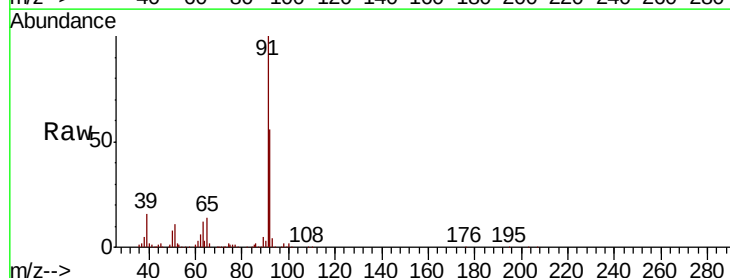
Acq: 30 Oct 2018 15:51

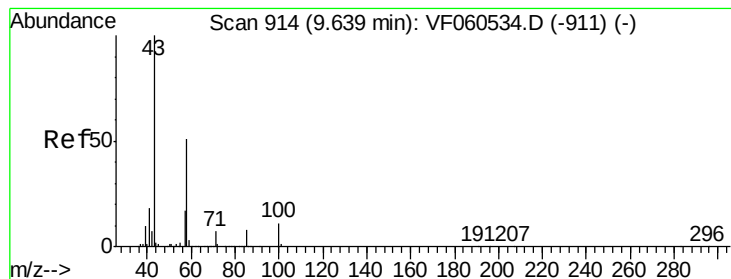
Tgt Ion: 63 Resp: 23582

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 108.405 ug/l

RT: 9.63 min Scan# 913

Delta R.T. -0.00 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

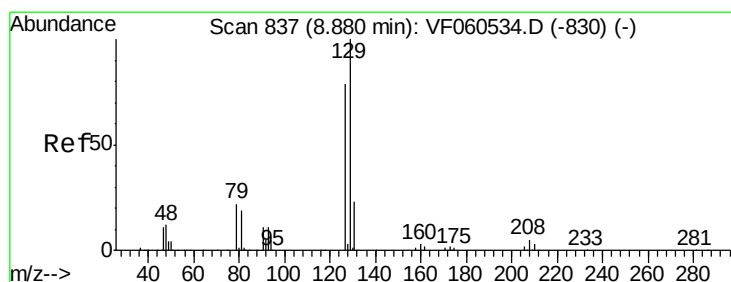
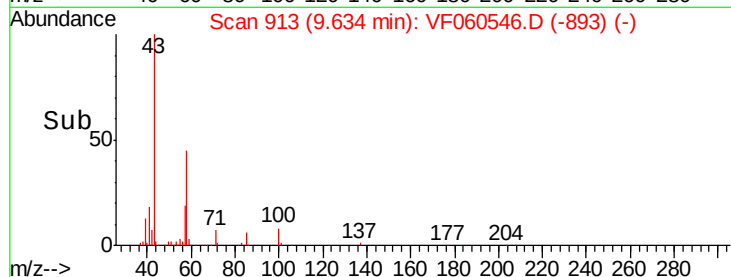
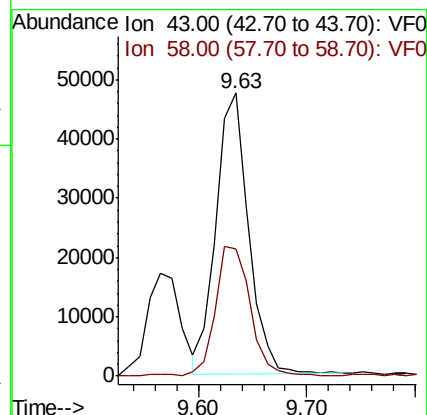
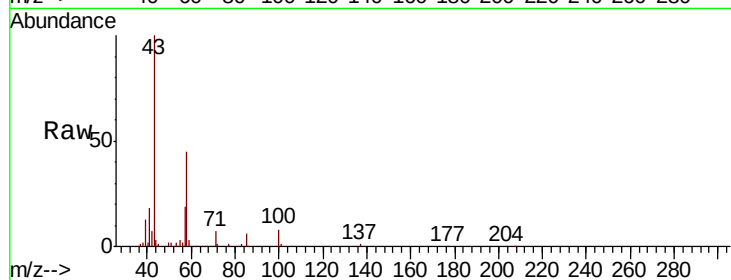
VF1030SBSD01

Tot Ion: 43 Resp: 99378

Ion Ratio Lower Upper

43 100

58 44.8 24.1 72.3



#60

Dibromochloromethane

Concen: 20.590 ug/l

RT: 8.87 min Scan# 835

Delta R.T. -0.01 min

Lab File: VF060546.D

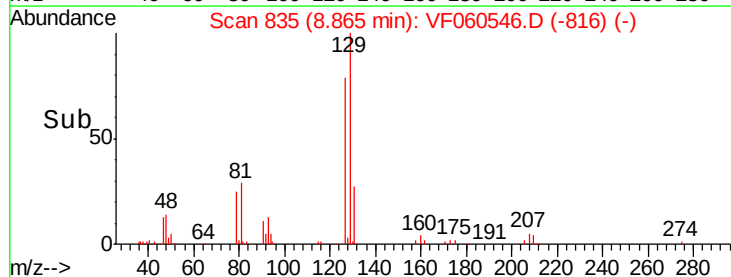
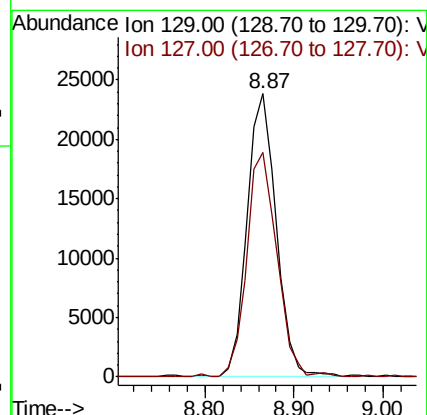
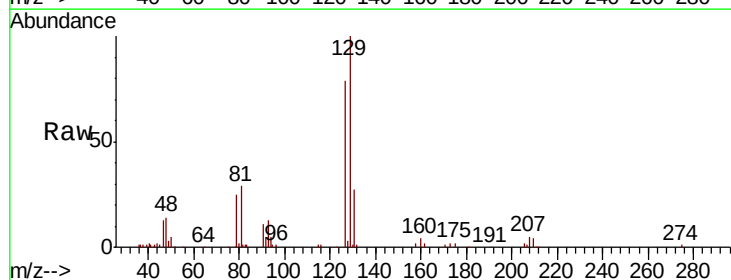
Acq: 30 Oct 2018 15:51

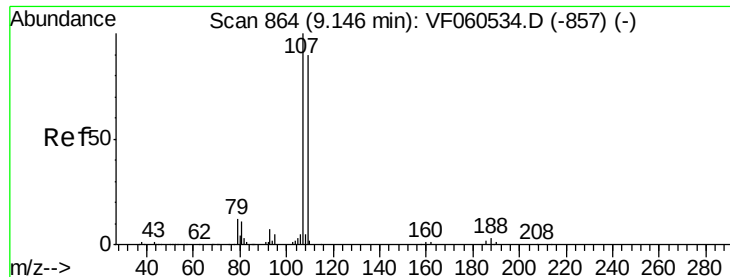
Tgt Ion: 129 Resp: 53918

Ion Ratio Lower Upper

129 100

127 79.2 39.6 119.0





#61

1,2-Dibromoethane

Concen: 18.175 ug/l

RT: 9.14 min Scan# 863

Delta R.T. -0.00 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

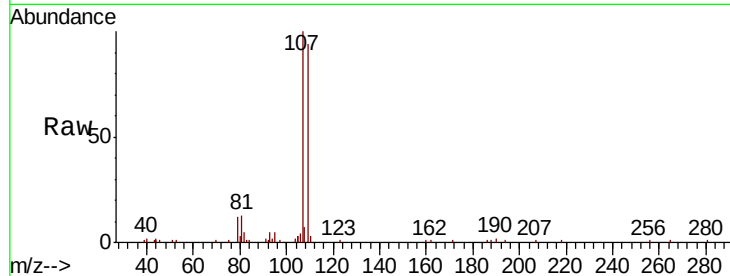
VF1030SBS01

Tot Ion:107 Resp: 34207

Ion Ratio Lower Upper

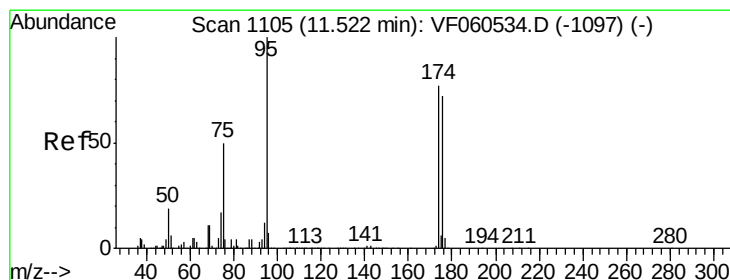
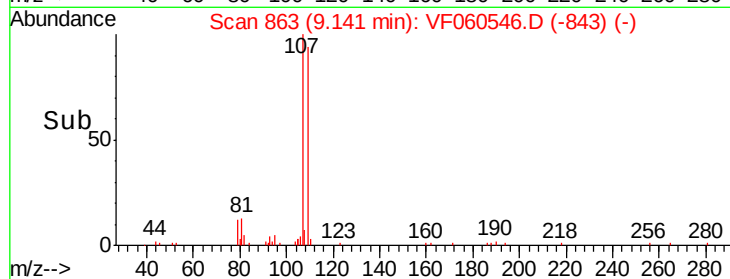
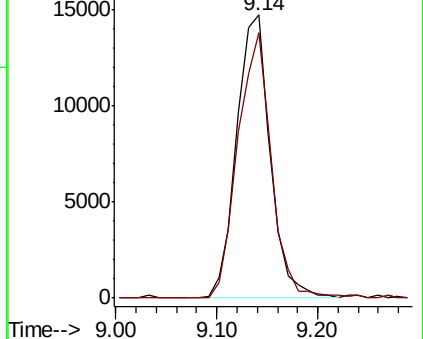
107 100

109 93.8 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: 48.537 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.01 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

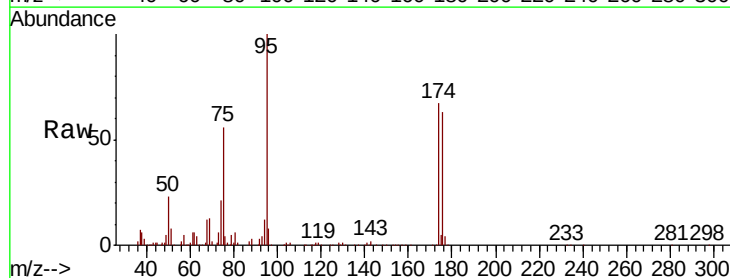
Tgt Ion: 95 Resp: 177236

Ion Ratio Lower Upper

95 100

174 67.2 0.0 153.8

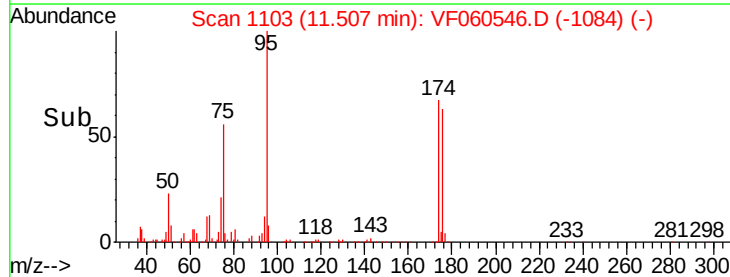
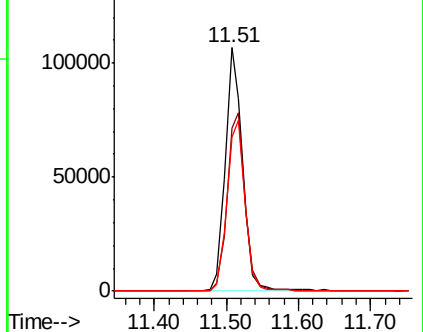
176 63.0 0.0 143.6

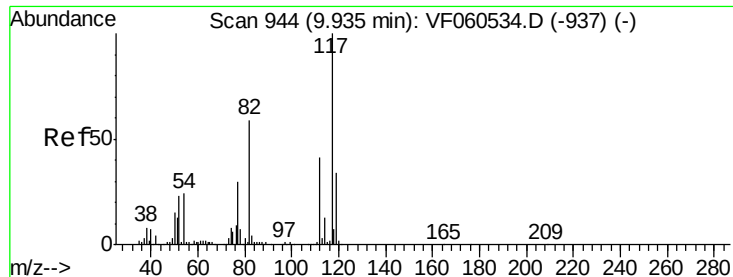


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

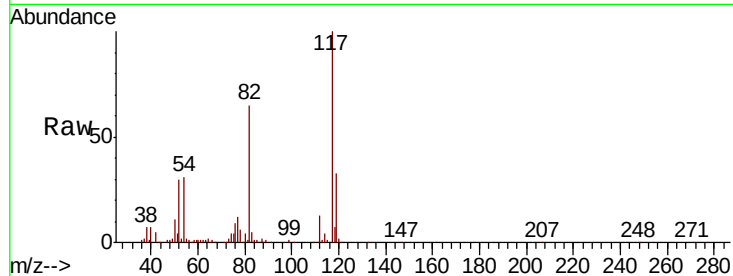




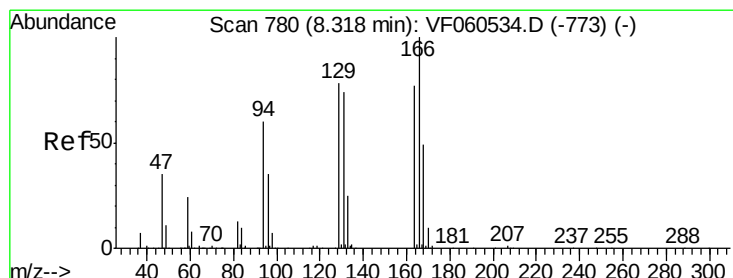
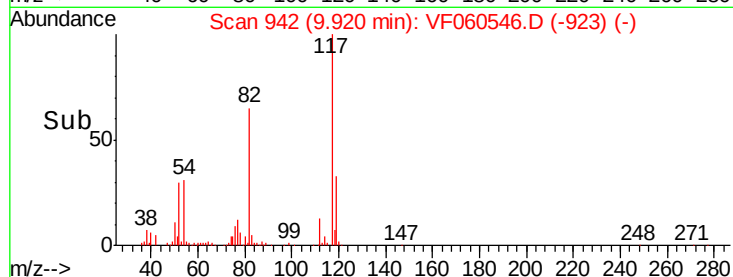
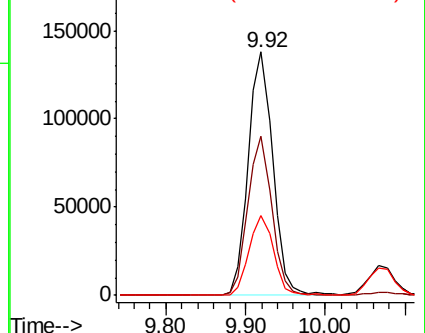
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.01 min
Lab File: VF060546.D
Acq: 30 Oct 2018 15:51

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tot Ion:117 Resp: 293487
Ion Ratio Lower Upper
117 100
82 65.5 47.6 71.4
119 32.7 27.3 40.9

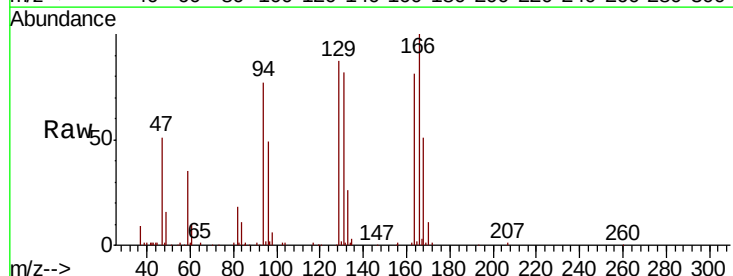


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

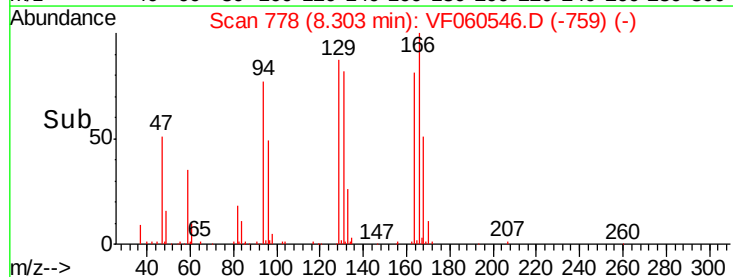
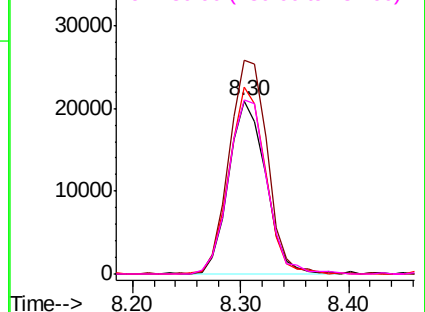


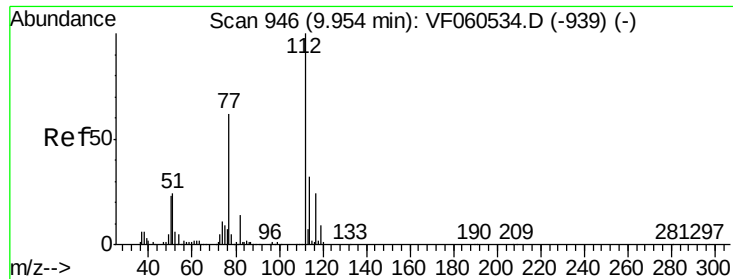
#64
Tetrachloroethene
Concen: 20.003 ug/l
RT: 8.30 min Scan# 778
Delta R.T. -0.01 min
Lab File: VF060546.D
Acq: 30 Oct 2018 15:51

Tgt Ion:164 Resp: 49625
Ion Ratio Lower Upper
164 100
166 123.5 103.4 155.2
129 108.0 80.7 121.1
131 100.9 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

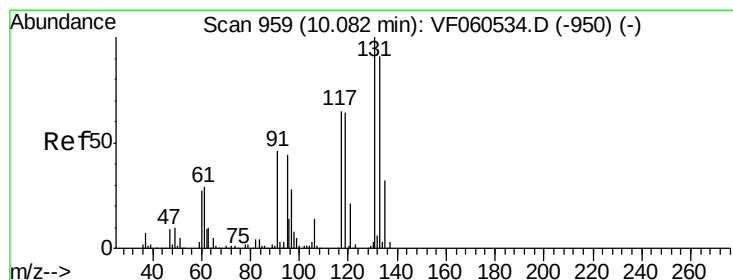
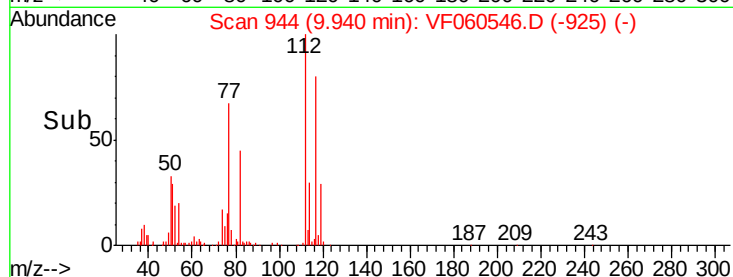
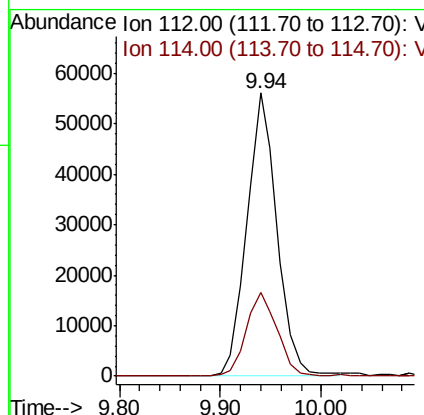
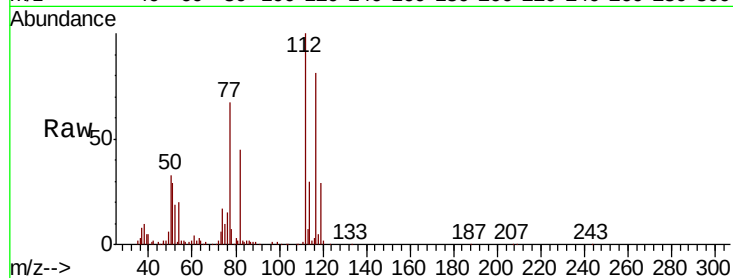




#65
Chlorobenzene
Concen: 19.781 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.01 min
Lab File: VF060546.D
Acq: 30 Oct 2018 15:51

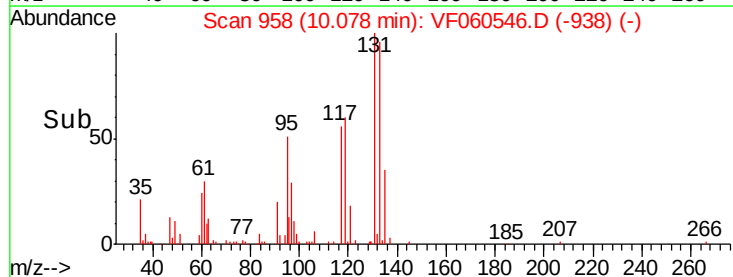
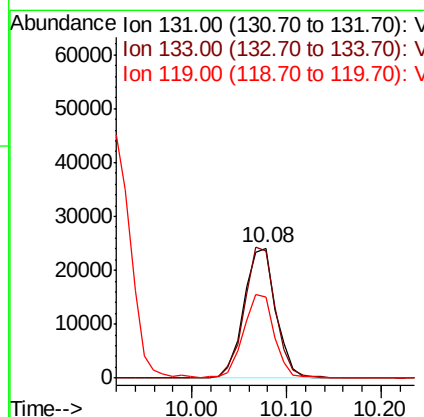
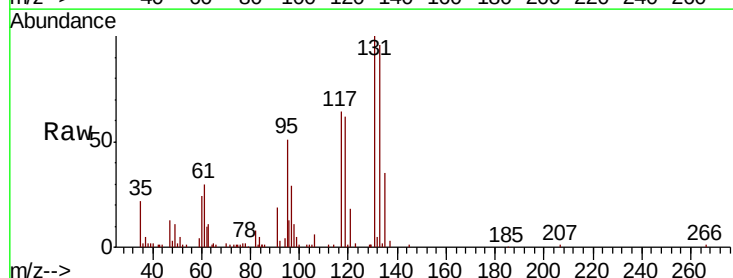
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBSD01

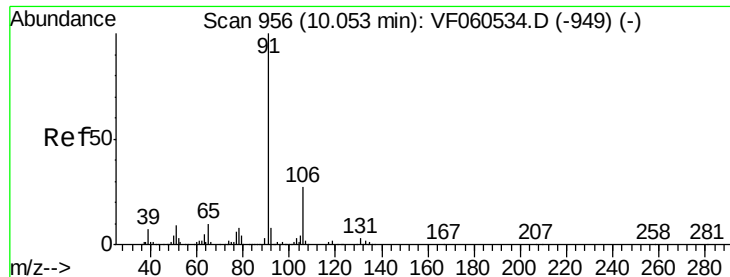
Tot Ion:112 Resp: 116803
Ion Ratio Lower Upper
112 100
114 29.7 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.015 ug/l
RT: 10.08 min Scan# 958
Delta R.T. -0.00 min
Lab File: VF060546.D
Acq: 30 Oct 2018 15:51

Tgt Ion:131 Resp: 56544
Ion Ratio Lower Upper
131 100
133 98.0 45.8 137.3
119 62.3 32.4 97.0





#67

Ethyl Benzene

Concen: 21.391 ug/l

RT: 10.04 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

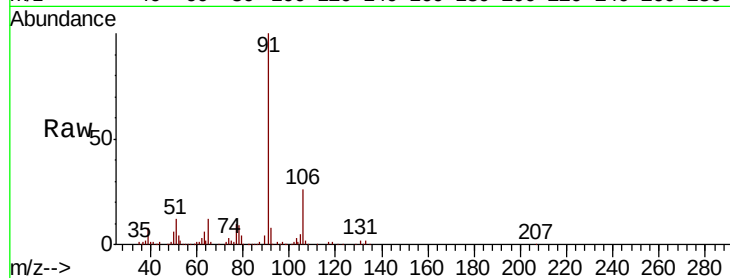
VF1030SBS01

Tot Ion: 91 Resp: 241344

Ion Ratio Lower Upper

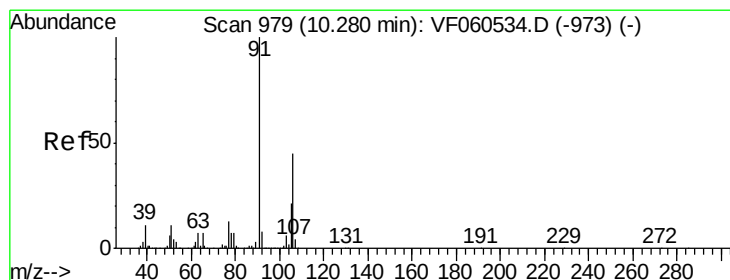
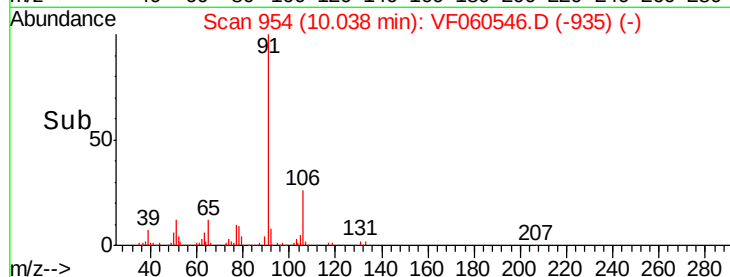
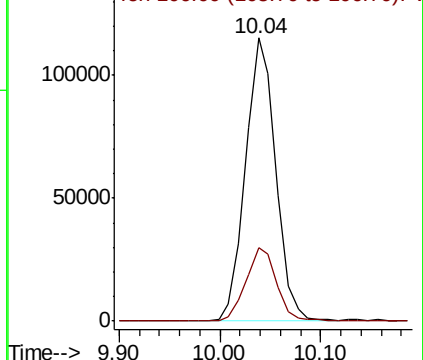
91 100

106 26.0 21.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 39.339 ug/l

RT: 10.26 min Scan# 977

Delta R.T. -0.01 min

Lab File: VF060546.D

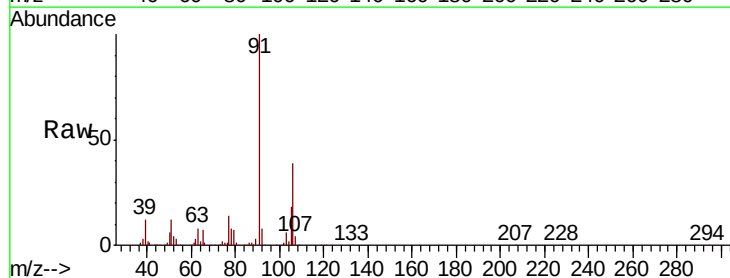
Acq: 30 Oct 2018 15:51

Tgt Ion:106 Resp: 151576

Ion Ratio Lower Upper

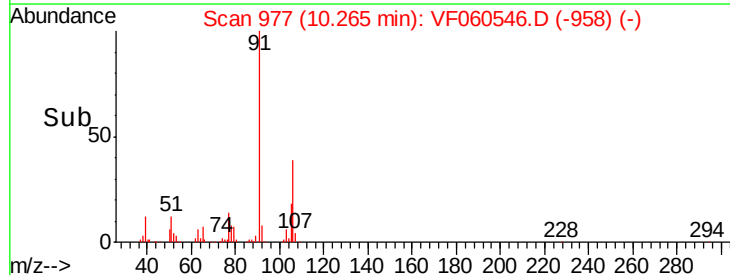
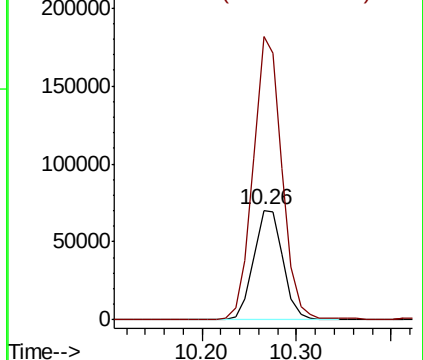
106 100

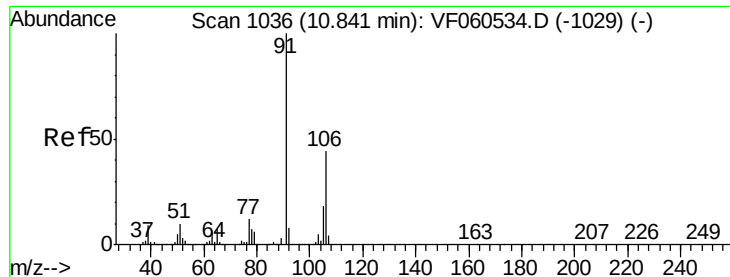
91 258.2 176.2 264.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

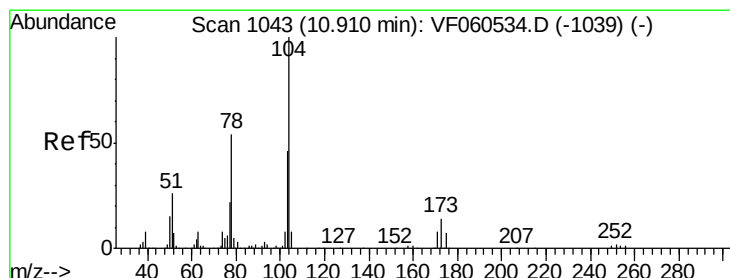
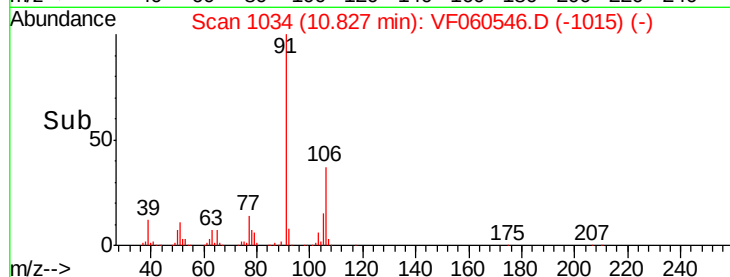
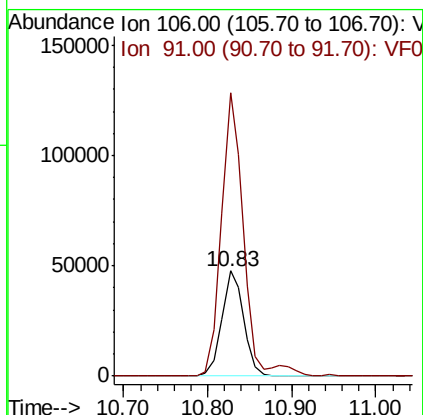
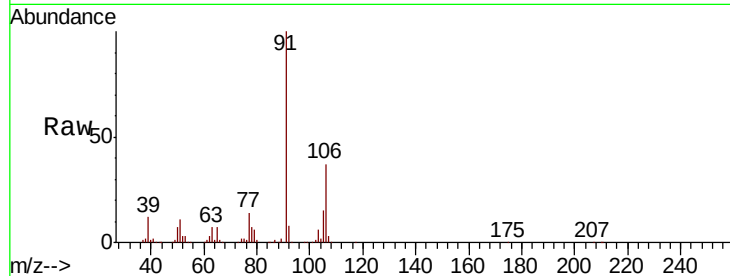




#69
o-Xylene
Concen: 19.779 ug/l
RT: 10.83 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VF060546.D
Acq: 30 Oct 2018 15:51

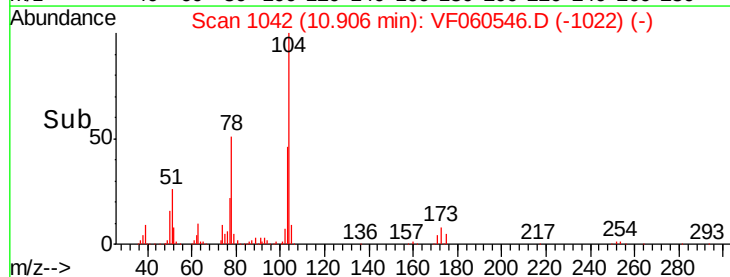
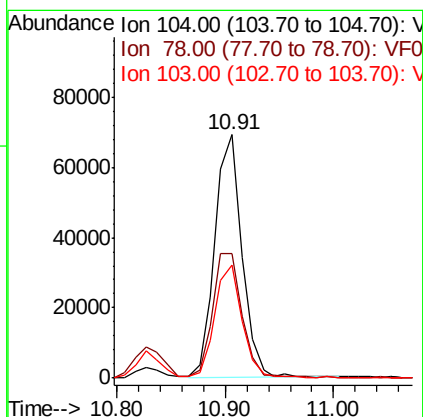
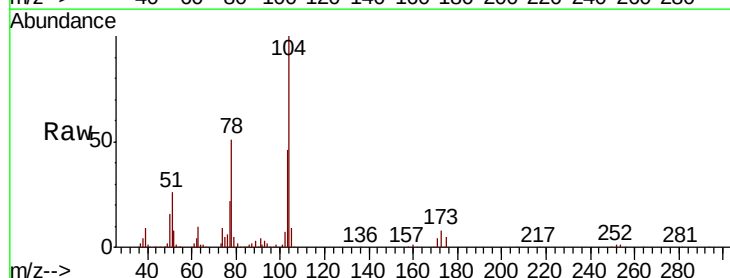
Instrument :
MSVOA_F
ClientSampled :
VF1030SBS01

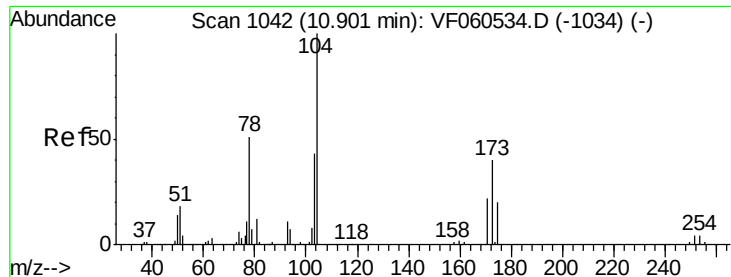
Tot Ion:106 Resp: 85829
Ion Ratio Lower Upper
106 100
91 269.9 112.9 338.8



#70
Styrene
Concen: 19.738 ug/l
RT: 10.91 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VF060546.D
Acq: 30 Oct 2018 15:51

Tgt Ion:104 Resp: 120752
Ion Ratio Lower Upper
104 100
78 51.3 43.4 65.2
103 46.3 36.9 55.3





#71

Bromoform

Concen: 20.506 ug/l

RT: 10.89 min Scan# 1040

Delta R.T. -0.01 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

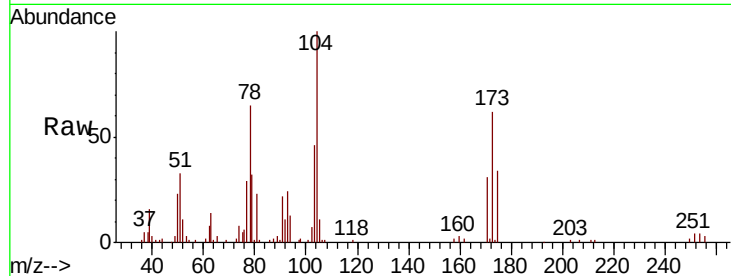
Tot Ion:173 Resp: 28459

Ion Ratio Lower Upper

173 100

175 53.2 25.7 77.0

254 0.0 7.8 11.6#

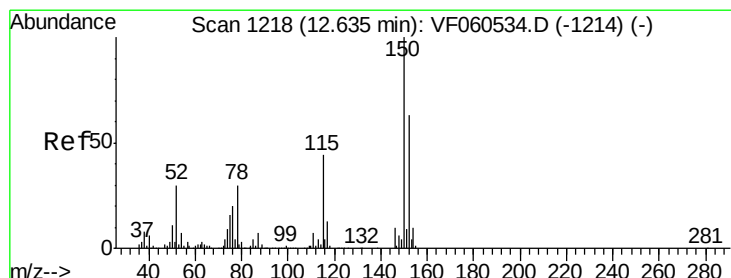
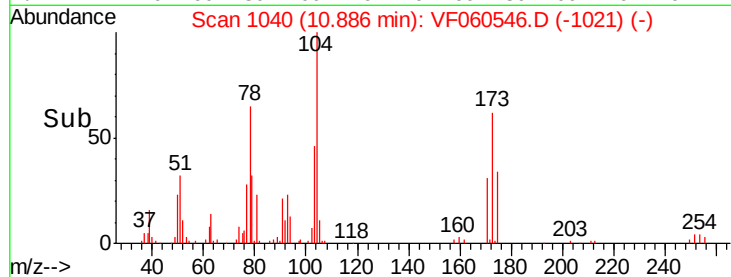
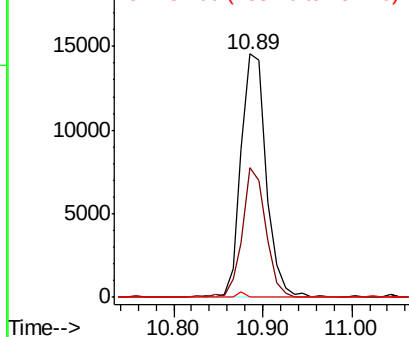


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

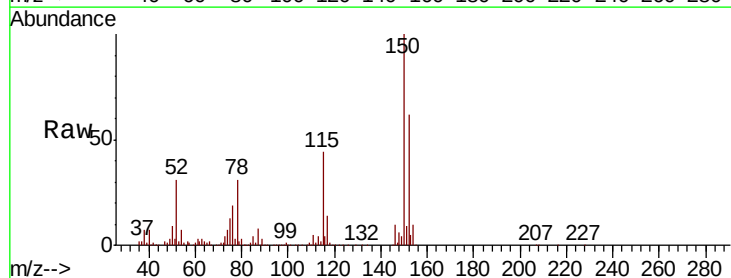
Tgt Ion:152 Resp: 171899

Ion Ratio Lower Upper

152 100

115 70.5 34.7 104.1

150 160.9 0.0 318.4

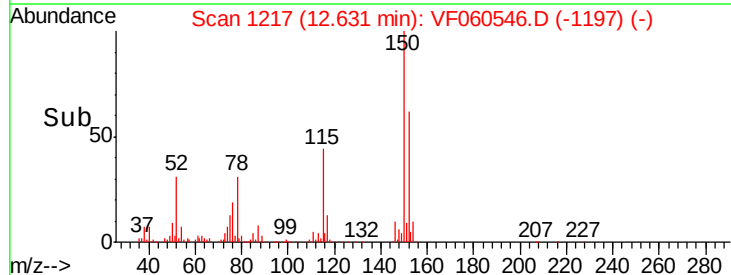
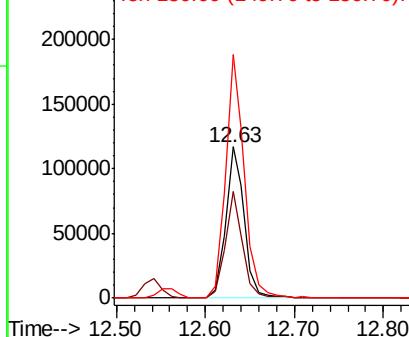


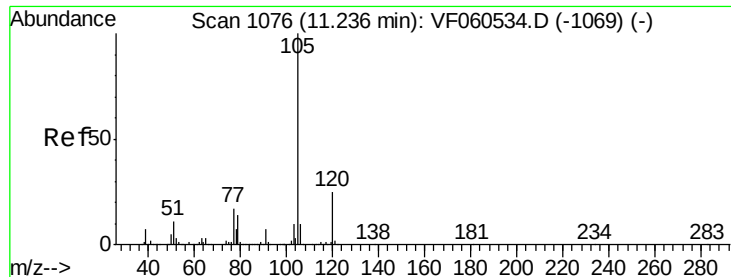
Abundance

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: 20.814 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

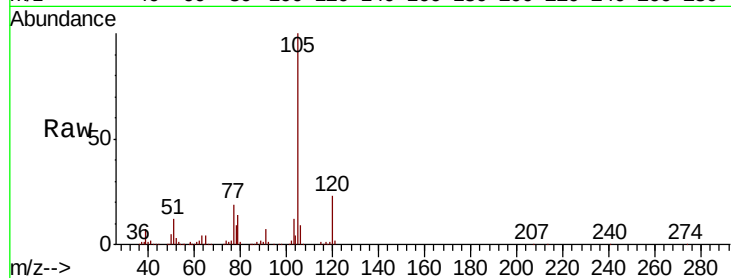
VF1030SBS01

Tot Ion:105 Resp: 273502

Ion Ratio Lower Upper

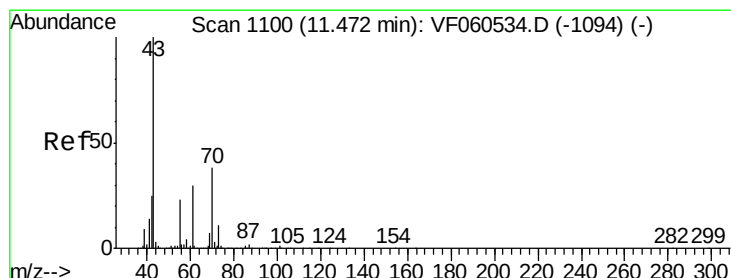
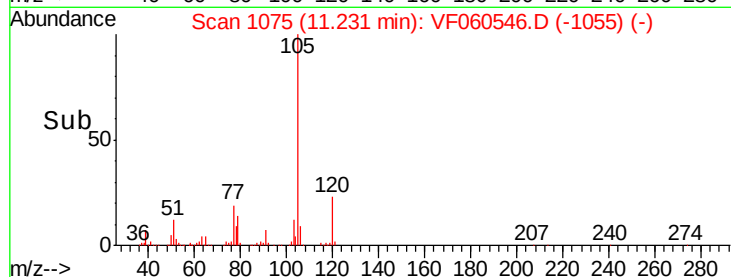
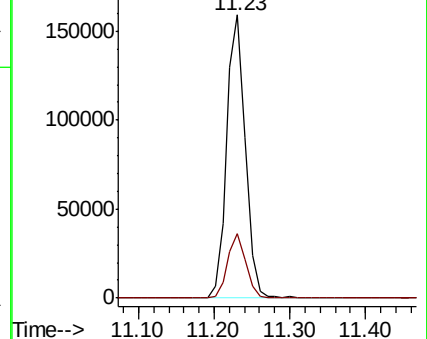
105 100

120 22.6 12.3 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.129 ug/l

RT: 11.47 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Tgt Ion: 43 Resp: 52969

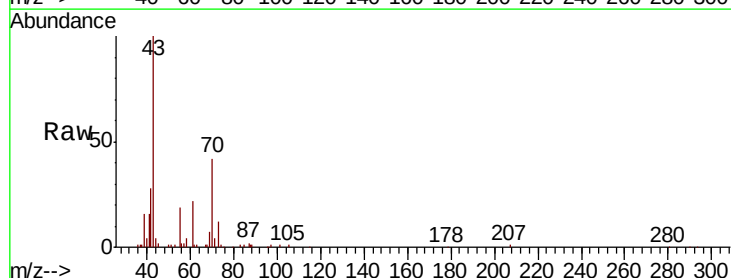
Ion Ratio Lower Upper

43 100

70 42.5 30.8 46.2

55 19.1 18.2 27.4

61 21.9 23.8 35.8#

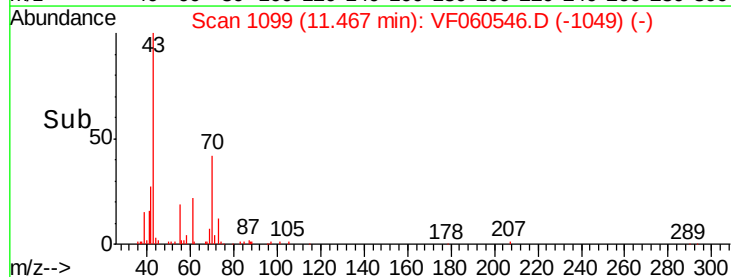
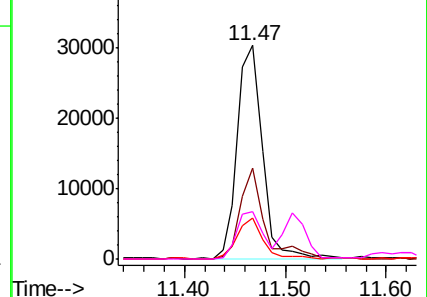


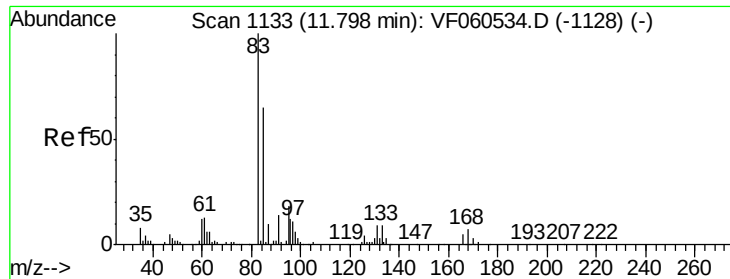
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 17.922 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

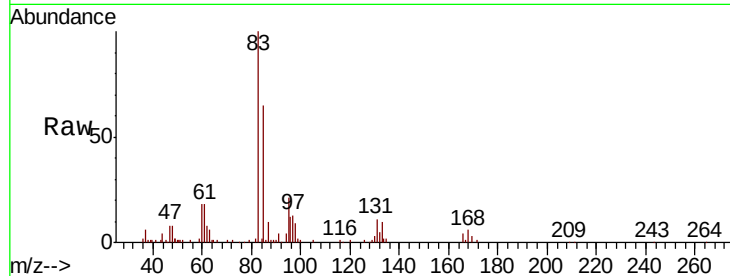
Tot Ion: 83 Resp: 39298

Ion Ratio Lower Upper

83 100

131 11.3 4.7 14.0

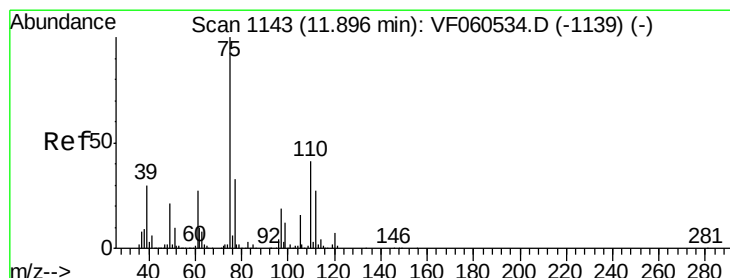
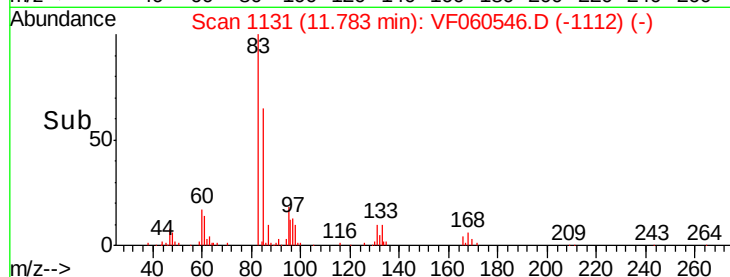
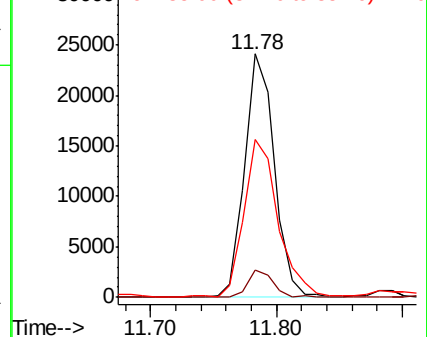
85 64.7 32.4 97.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 21.097 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060546.D

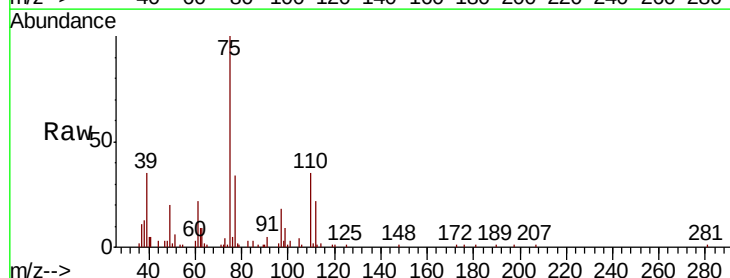
Acq: 30 Oct 2018 15:51

Tgt Ion: 75 Resp: 34799

Ion Ratio Lower Upper

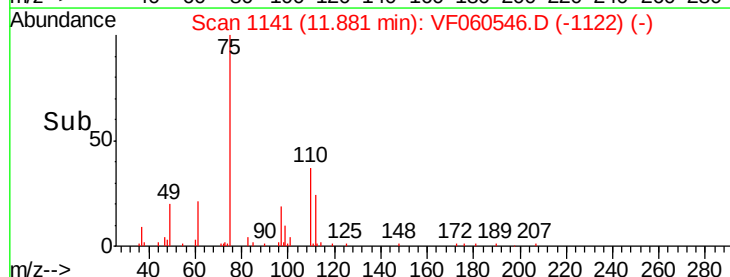
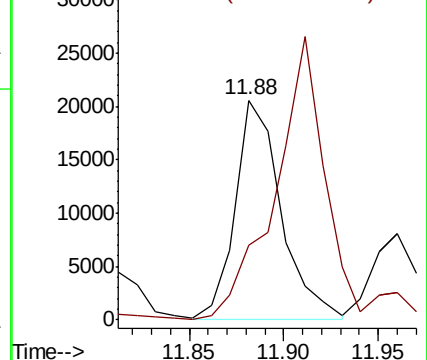
75 100

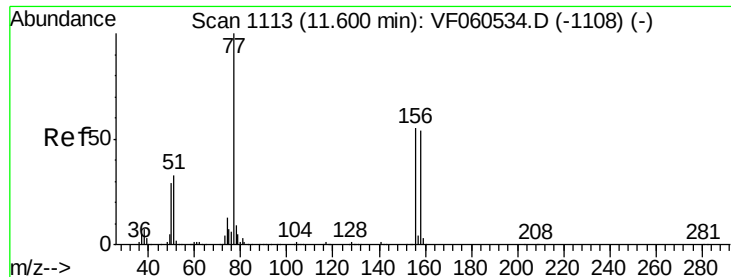
77 33.8 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 19.692 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

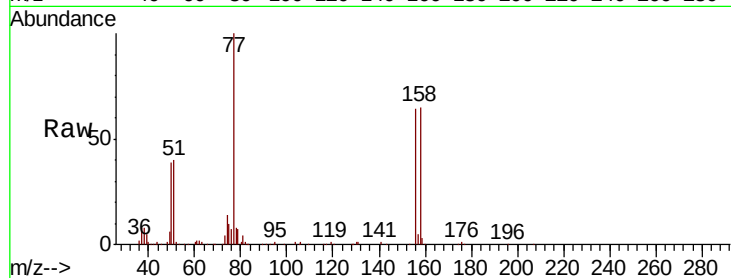
Tot Ion:156 Resp: 56933

Ion Ratio Lower Upper

156 100

77 156.2 91.3 274.1

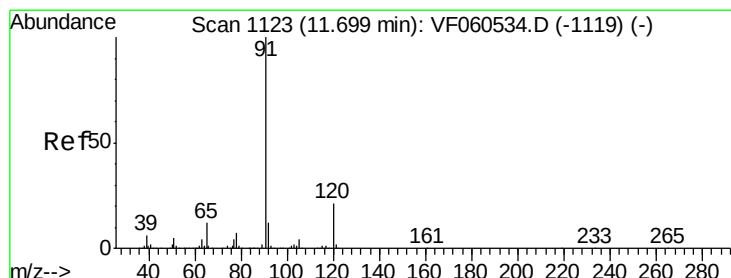
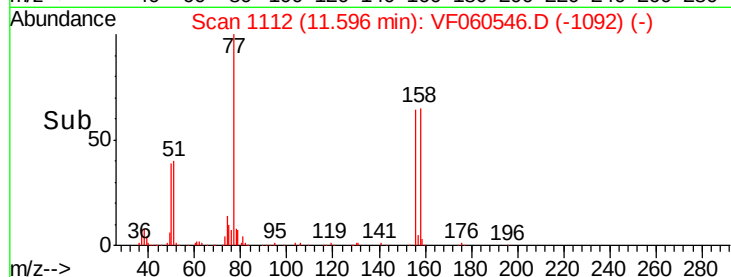
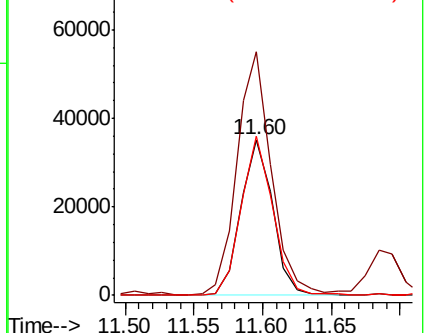
158 101.7 49.3 147.9



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: 21.388 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF060546.D

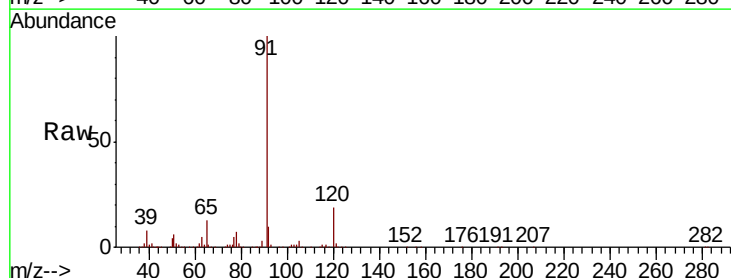
Acq: 30 Oct 2018 15:51

Tgt Ion: 91 Resp: 333353

Ion Ratio Lower Upper

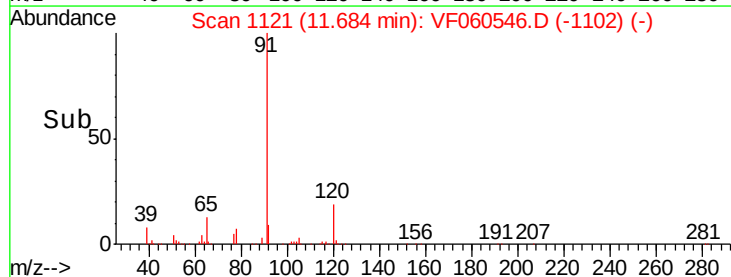
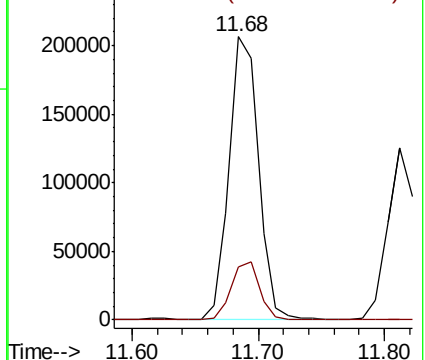
91 100

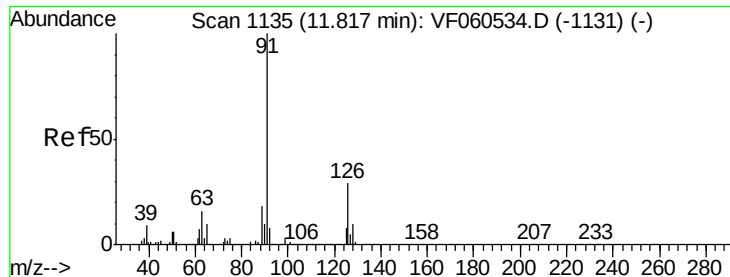
120 18.6 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

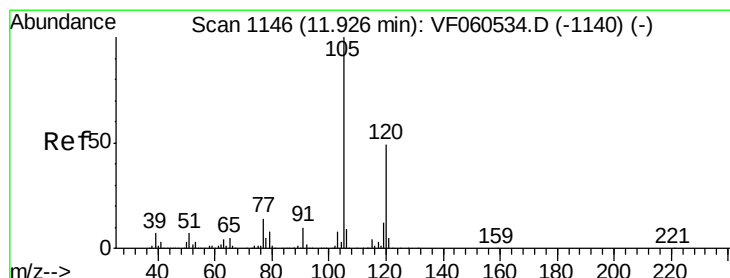
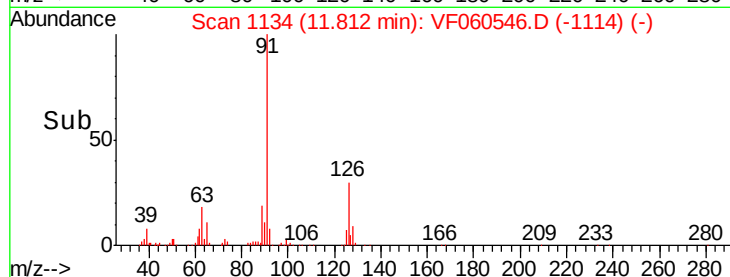
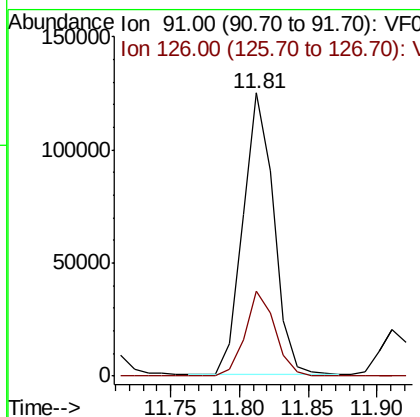
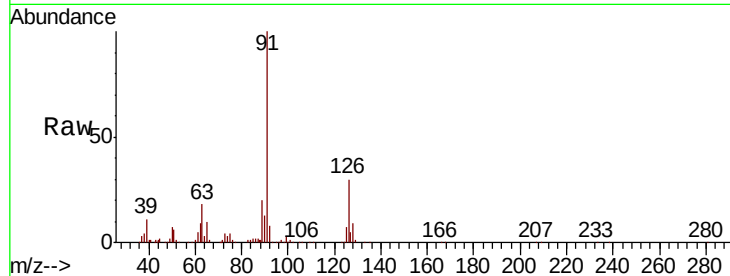




#79
 2-Chlorotoluene
 Concen: 20.921 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.00 min
 Lab File: VF060546.D
 Acq: 30 Oct 2018 15:51

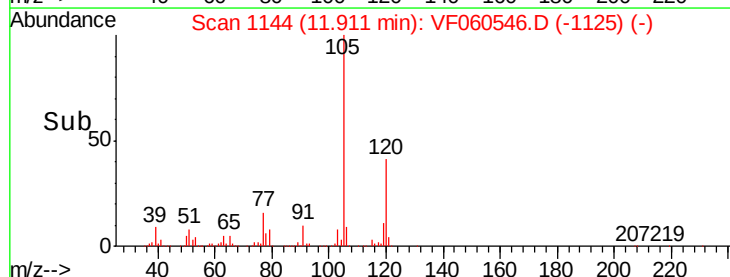
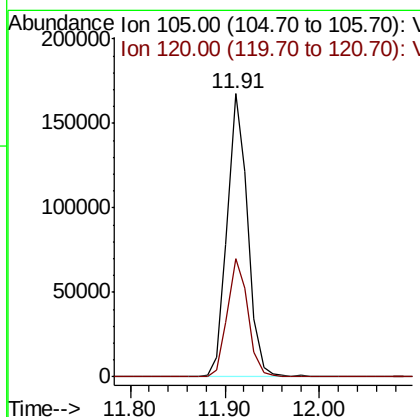
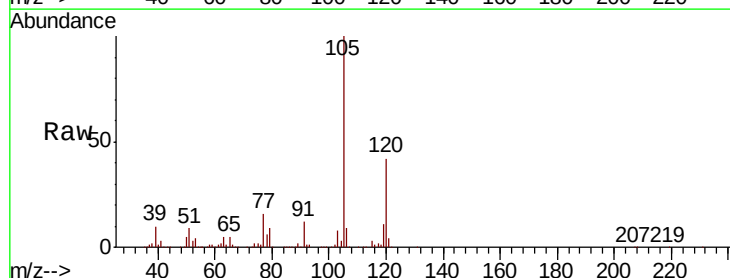
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBSD01

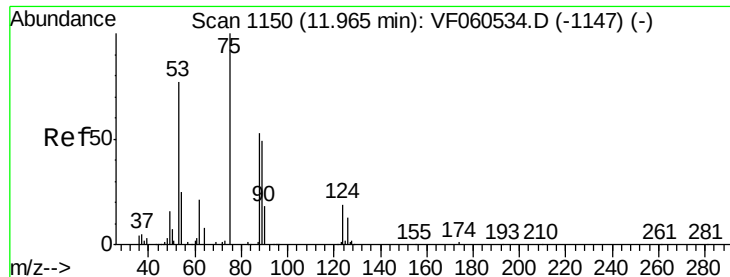
Tot Ion: 91 Resp: 195161
 Ion Ratio Lower Upper
 91 100
 126 29.8 14.2 42.8



#80
 1,3,5-Trimethylbenzene
 Concen: 22.133 ug/l
 RT: 11.91 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VF060546.D
 Acq: 30 Oct 2018 15:51

Tgt Ion:105 Resp: 251298
 Ion Ratio Lower Upper
 105 100
 120 41.6 24.3 73.0

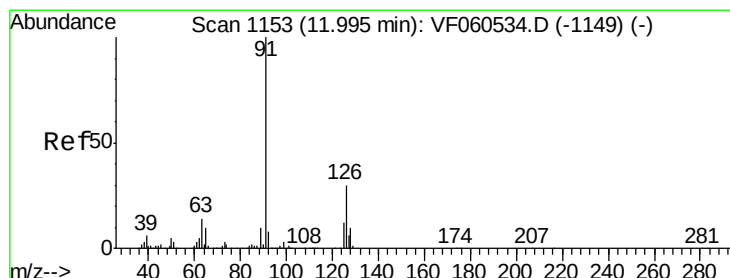
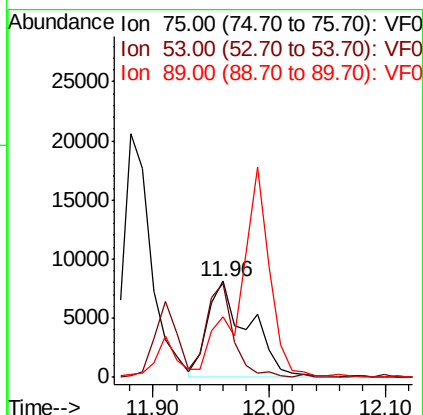
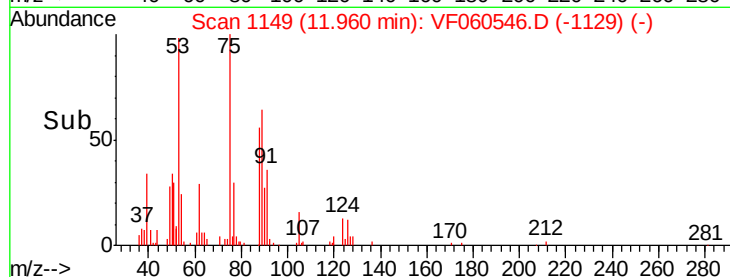
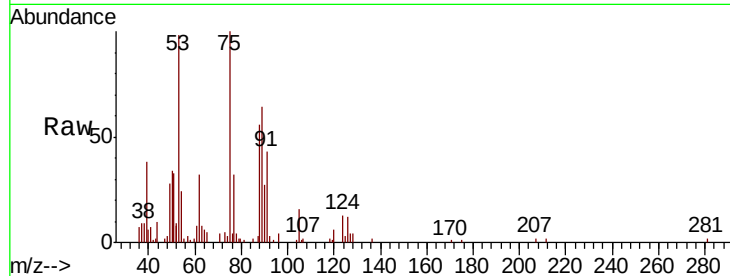




#81
trans-1,4-Dichloro-2-butene
Concen: 27.893 ug/l
RT: 11.96 min Scan# 1149
Delta R.T. -0.00 min
Lab File: VF060546.D
Acq: 30 Oct 2018 15:51

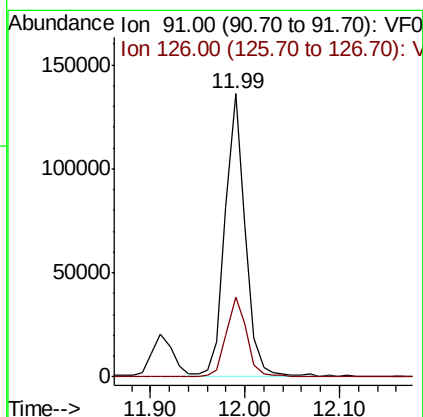
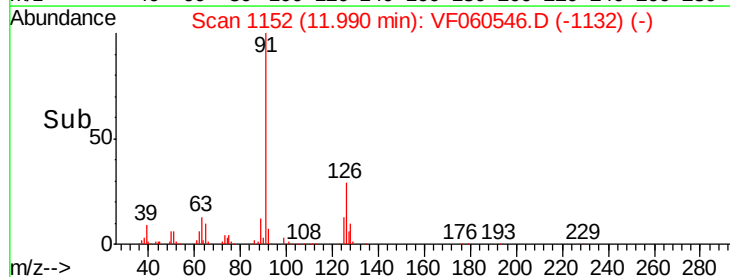
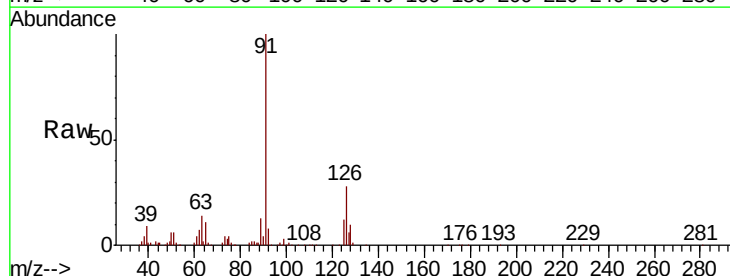
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

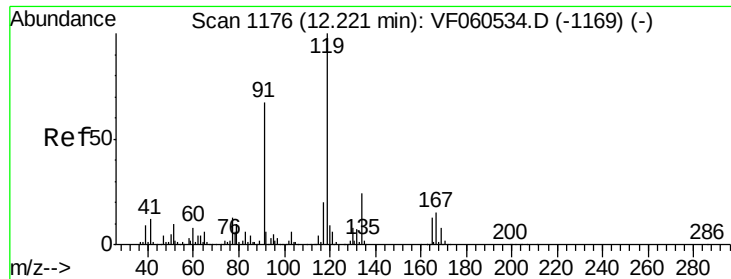
Tot Ion: 75 Resp: 20096
Ion Ratio Lower Upper
75 100
53 97.8 65.8 98.6
89 63.8 44.0 66.0



#82
4-Chlorotoluene
Concen: 20.817 ug/l
RT: 11.99 min Scan# 1152
Delta R.T. -0.00 min
Lab File: VF060546.D
Acq: 30 Oct 2018 15:51

Tgt Ion: 91 Resp: 201340
Ion Ratio Lower Upper
91 100
126 28.4 15.1 45.3





#83

tert-Butylbenzene

Concen: 22.309 ug/l

RT: 12.22 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

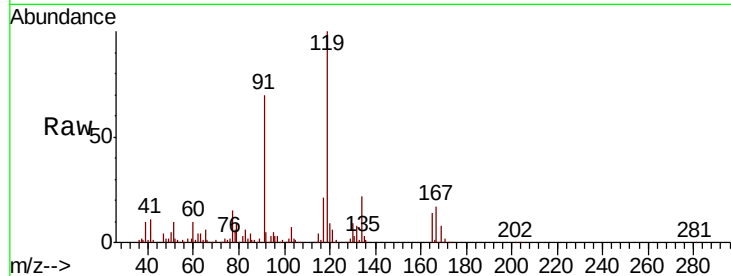
Tot Ion:119 Resp: 245467

Ion Ratio Lower Upper

119 100

91 69.8 33.6 100.8

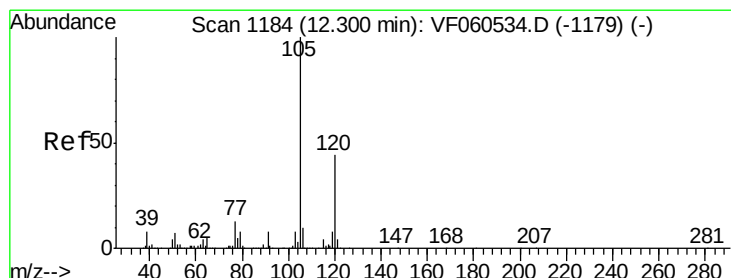
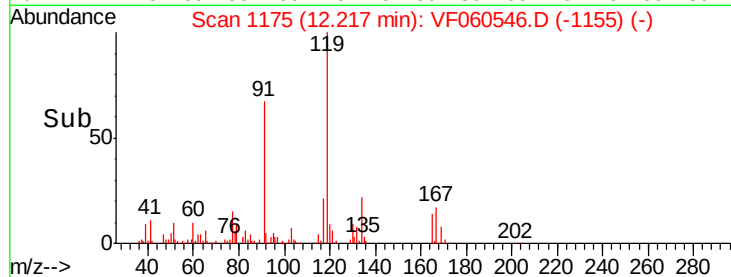
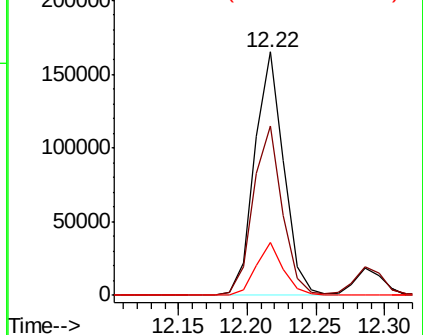
134 21.6 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.463 ug/l

RT: 12.29 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VF060546.D

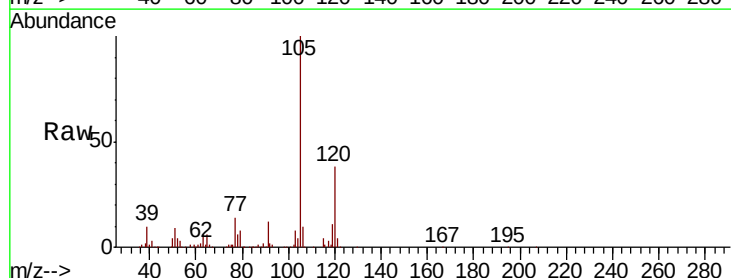
Acq: 30 Oct 2018 15:51

Tgt Ion:105 Resp: 236000

Ion Ratio Lower Upper

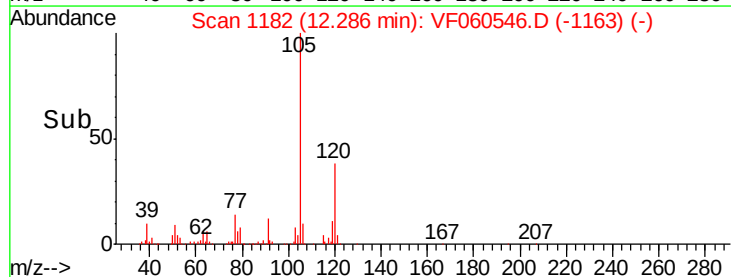
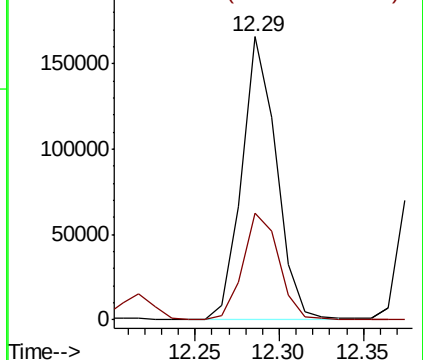
105 100

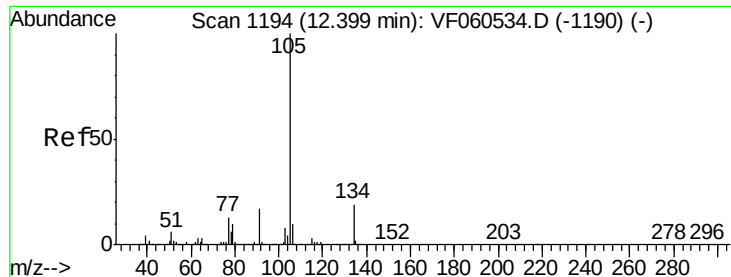
120 37.7 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

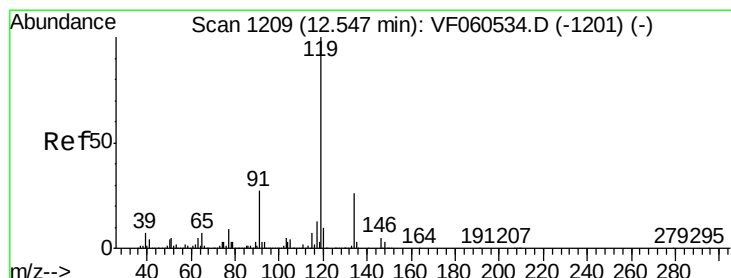
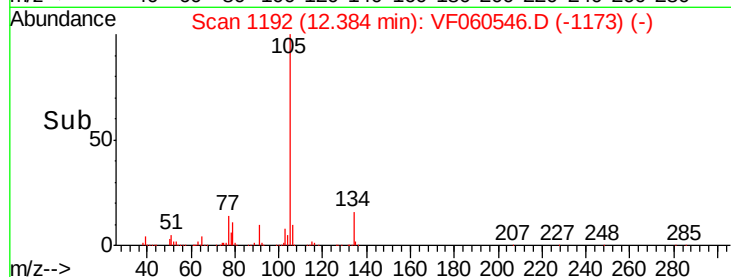
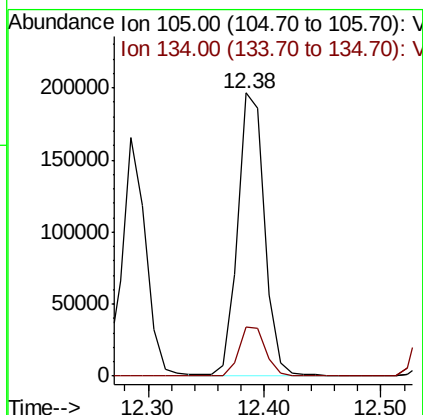
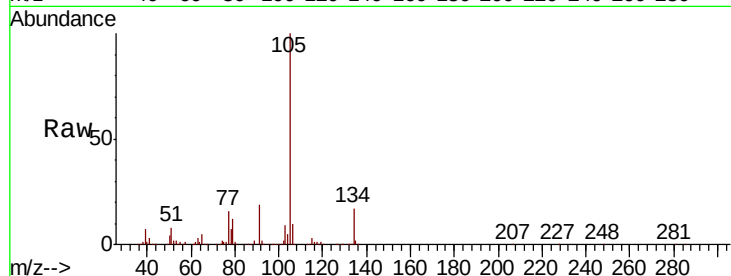




#85
 sec-Butylbenzene
 Concen: 20.334 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF060546.D
 Acq: 30 Oct 2018 15:51

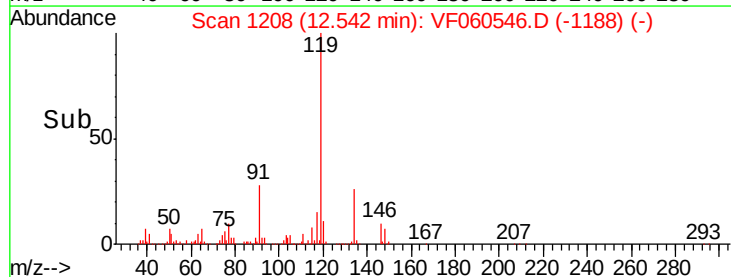
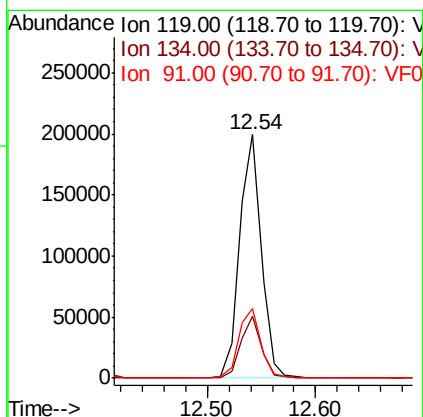
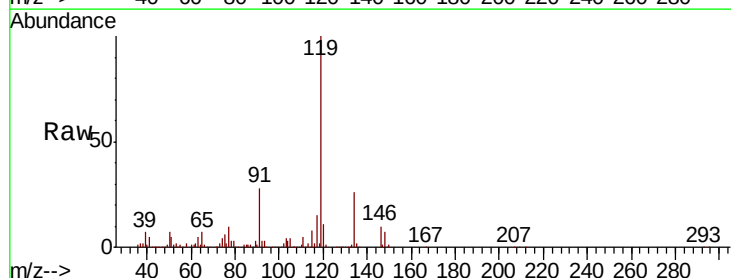
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

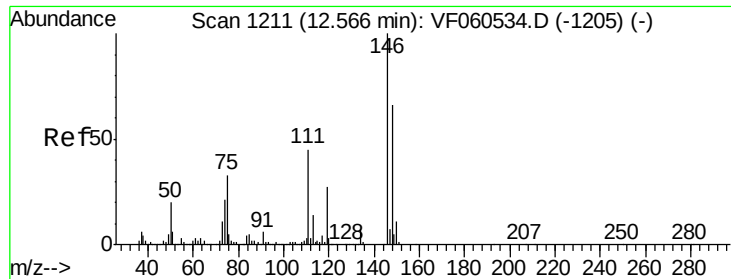
Tot Ion:105 Resp: 313549
 Ion Ratio Lower Upper
 105 100
 134 17.4 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 22.002 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: VF060546.D
 Acq: 30 Oct 2018 15:51

Tgt Ion:119 Resp: 278451
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.1 39.1
 91 28.3 13.5 40.4

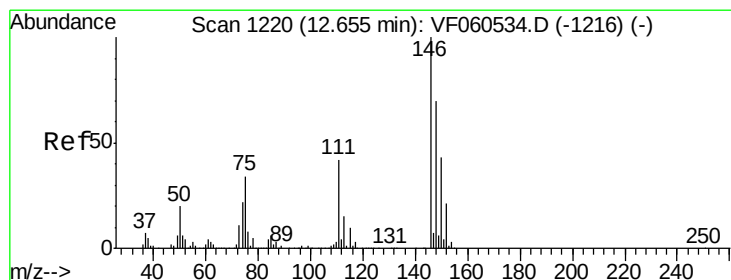
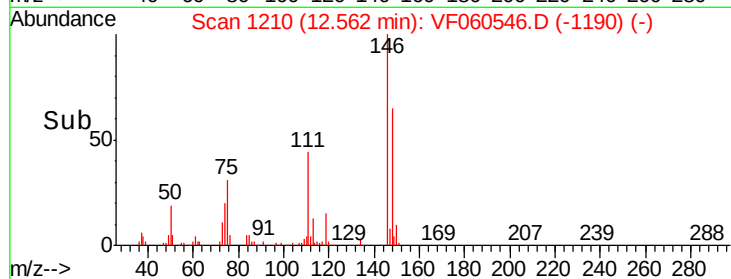
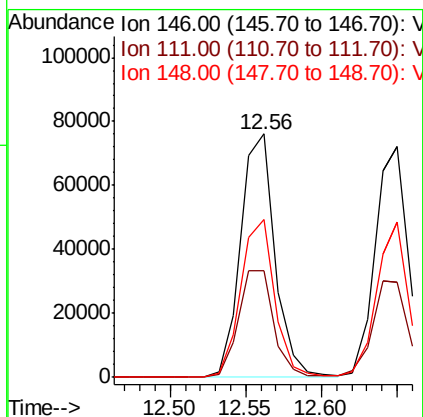
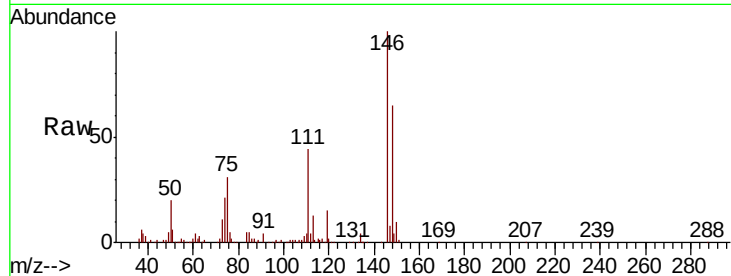




#87
 1,3-Dichlorobenzene
 Concen: 20.852 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF060546.D
 Acq: 30 Oct 2018 15:51

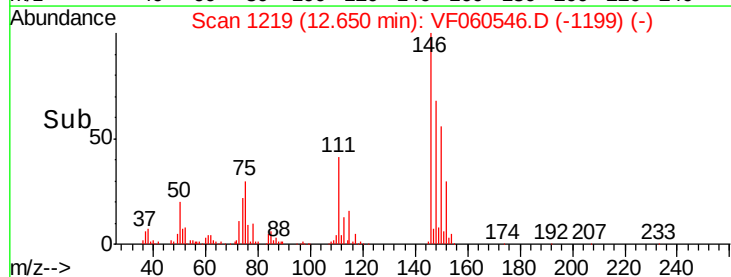
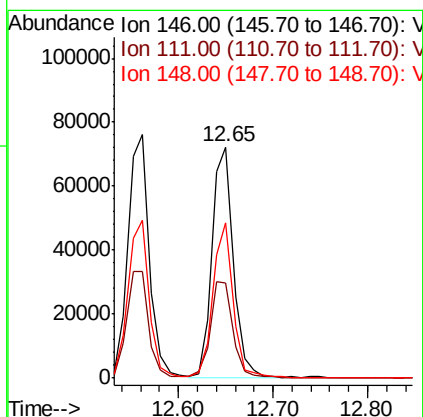
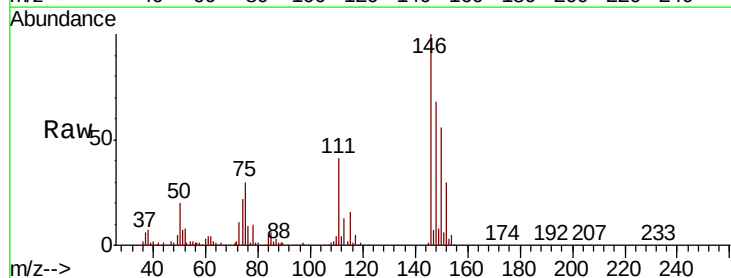
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

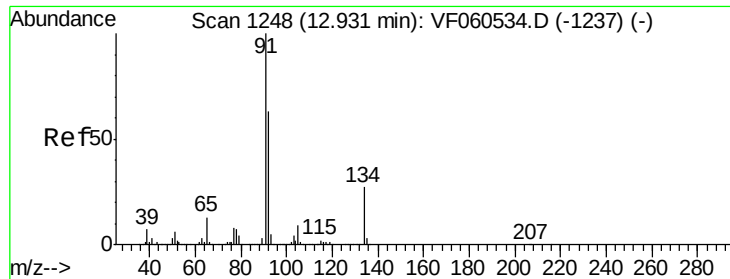
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.6	67.7
148	65.1	33.1	99.3



#88
 1,4-Dichlorobenzene
 Concen: 20.975 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF060546.D
 Acq: 30 Oct 2018 15:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.2	63.6
148	67.5	35.1	105.5

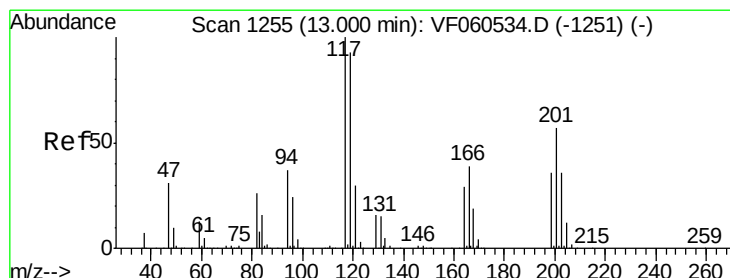
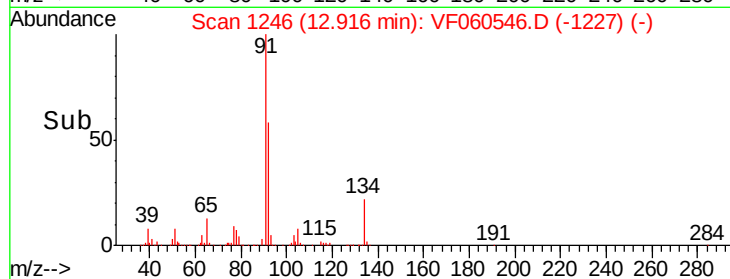
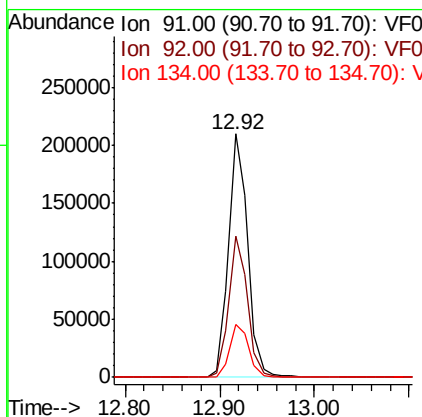
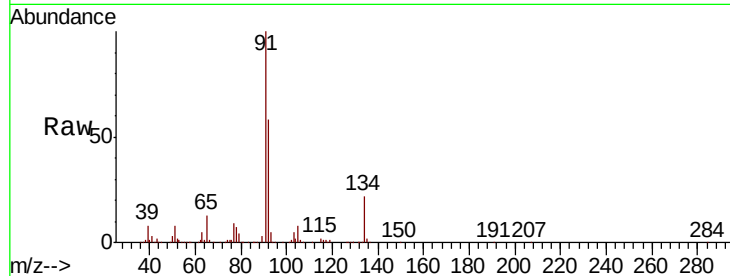




#89
n-Butylbenzene
Concen: 21.294 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.01 min
Lab File: VF060546.D
Acq: 30 Oct 2018 15:51

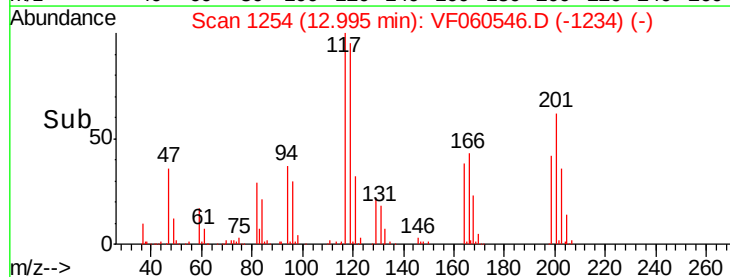
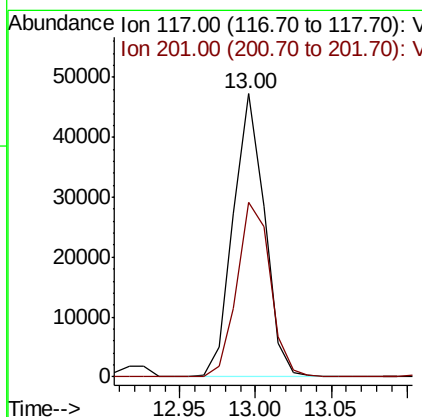
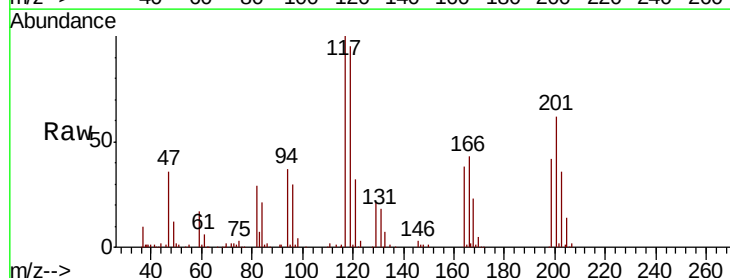
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

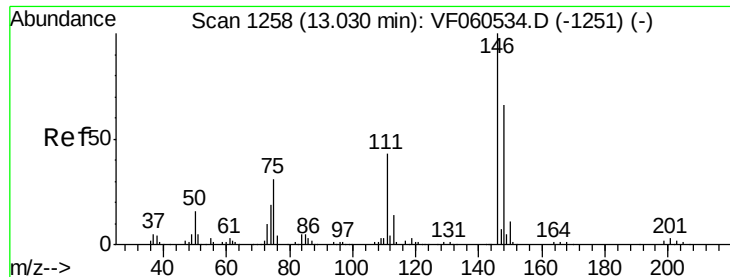
Tot Ion: 91 Resp: 294273
Ion Ratio Lower Upper
91 100
92 57.8 31.3 93.9
134 22.0 13.3 39.8



#90
Hexachloroethane
Concen: 20.762 ug/l
RT: 13.00 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF060546.D
Acq: 30 Oct 2018 15:51

Tgt Ion: 117 Resp: 67821
Ion Ratio Lower Upper
117 100
201 61.9 28.2 84.7

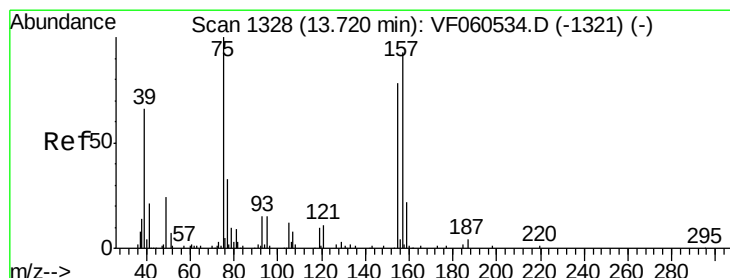
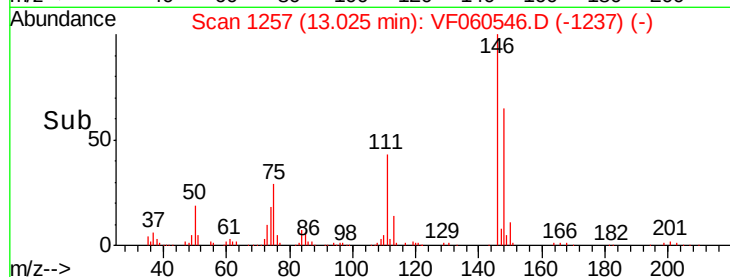
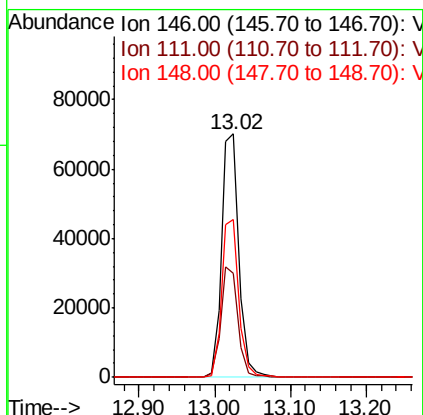
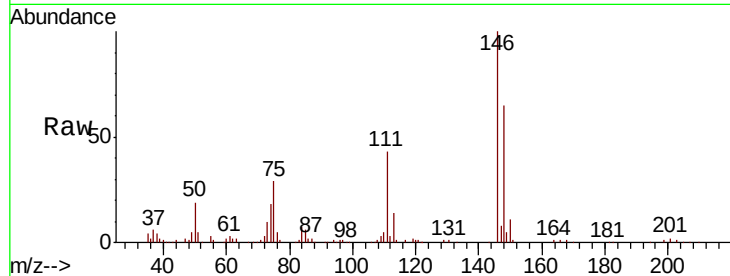




#91
 1,2-Dichlorobenzene
 Concen: 20.681 ug/l
 RT: 13.02 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VF060546.D
 Acq: 30 Oct 2018 15:51

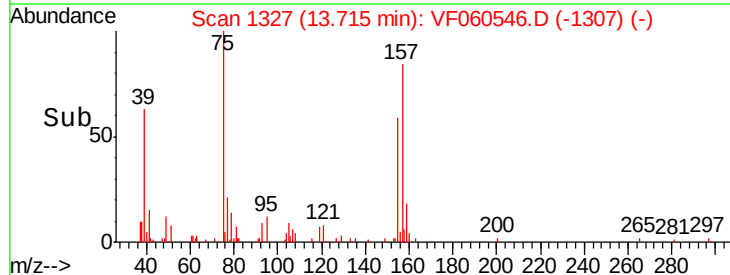
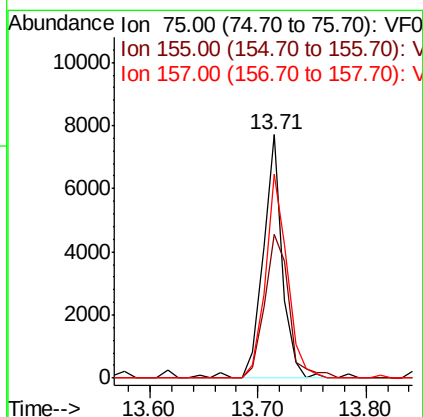
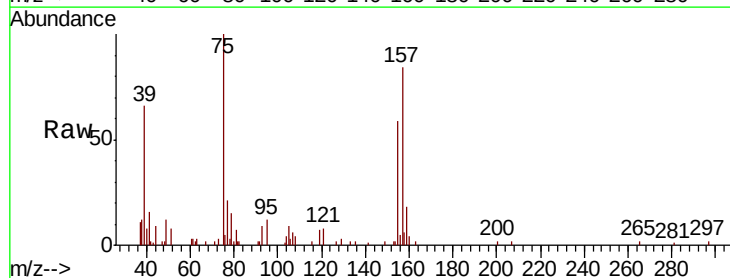
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

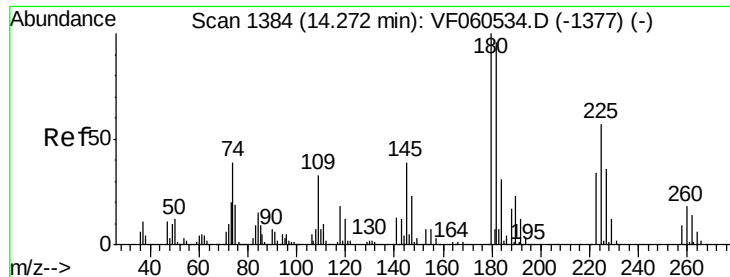
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.5	64.5
148	65.1	33.1	99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.885 ug/l
 RT: 13.71 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VF060546.D
 Acq: 30 Oct 2018 15:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	59.2	40.8	122.5
157	83.9	46.5	139.5





#93

1,2,4-Trichlorobenzene

Concen: 21.951 ug/l

RT: 14.27 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

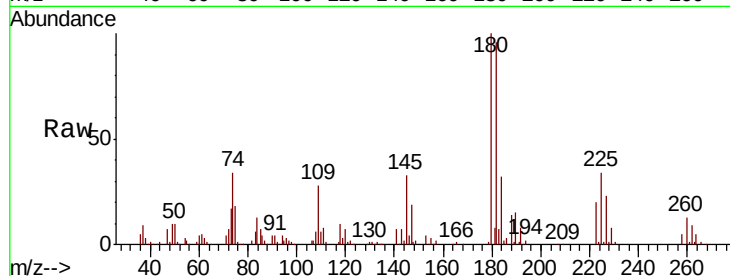
Tot Ion:180 Resp: 89397

Ion Ratio Lower Upper

180 100

182 95.9 48.1 144.3

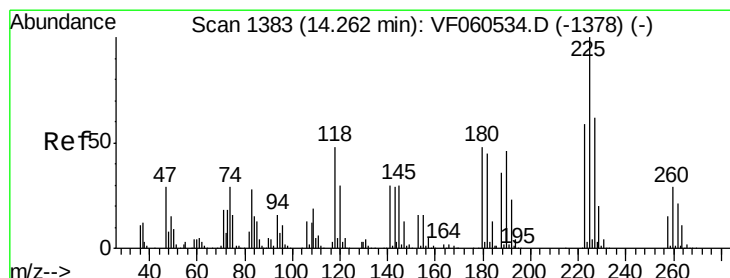
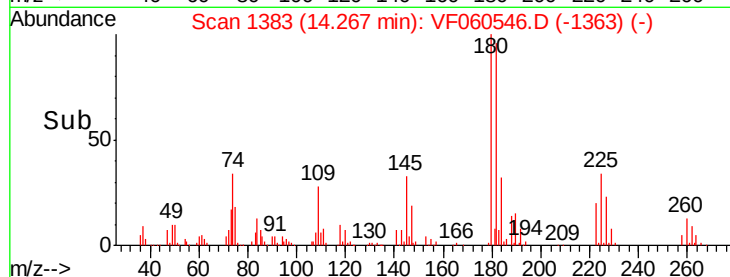
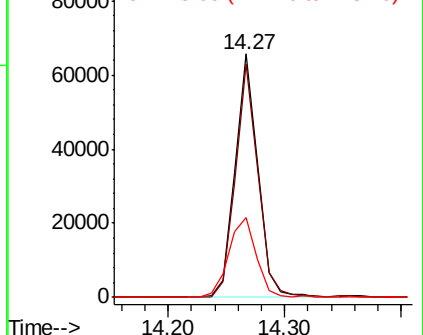
145 32.8 19.5 58.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 22.126 ug/l

RT: 14.26 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VF060546.D

Acq: 30 Oct 2018 15:51

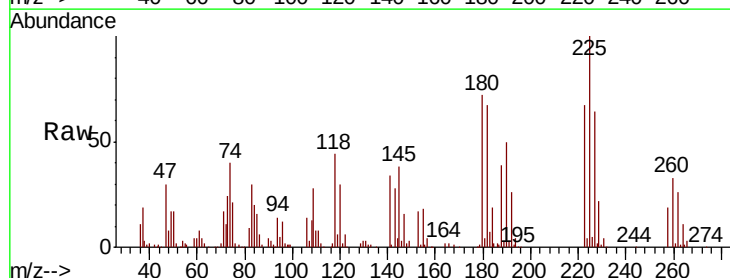
Tgt Ion:225 Resp: 63801

Ion Ratio Lower Upper

225 100

223 66.9 29.5 88.5

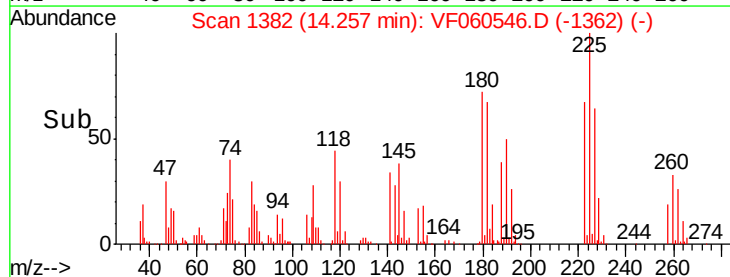
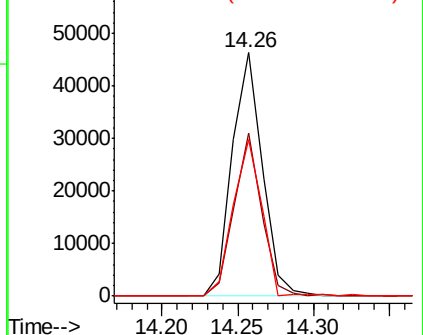
227 64.4 31.3 93.8

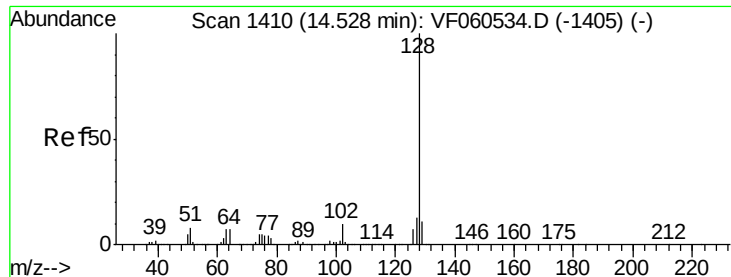


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

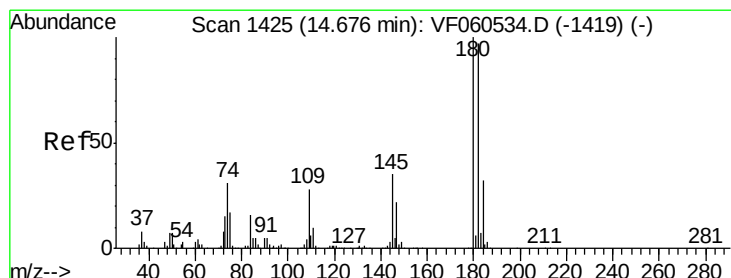
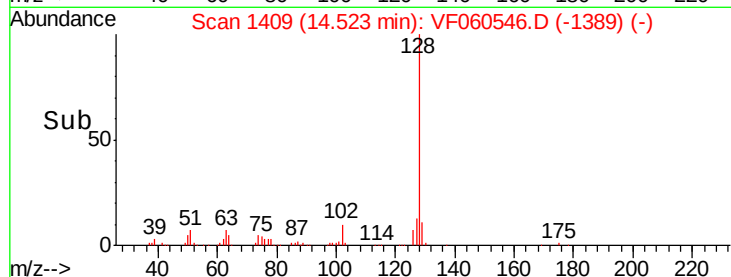
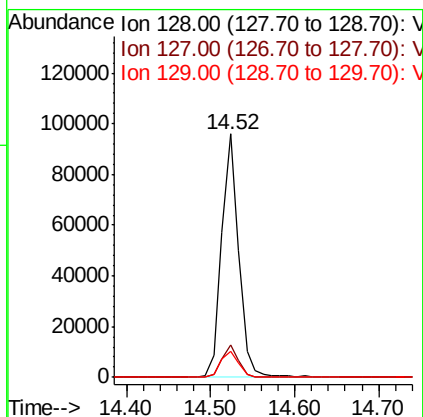
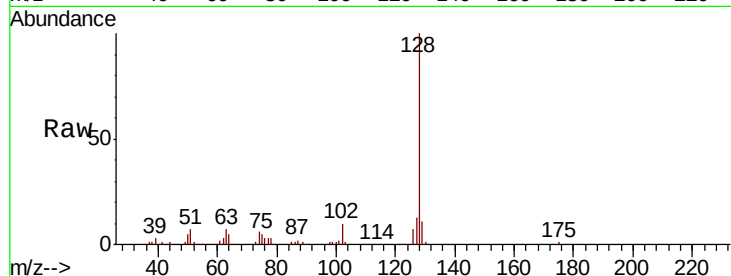




#95
Naphthalene
Concen: 18.884 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VF060546.D
Acq: 30 Oct 2018 15:51

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBSD01

Tot Ion:128 Resp: 136042
Ion Ratio Lower Upper
128 100
127 13.2 10.1 15.1
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.435 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. -0.00 min
Lab File: VF060546.D
Acq: 30 Oct 2018 15:51

Tgt Ion:180 Resp: 79216
Ion Ratio Lower Upper
180 100
182 94.5 48.7 146.1
145 28.0 17.3 52.0

