

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092618\
 Data File : VF060349.D
 Acq On : 26 Sep 2018 14:01
 Operator : VA/AP
 Sample : VF0926SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBS01

Quant Time: Sep 26 15:55:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	245933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	420902	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	372172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	191729	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	168497	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
35) Dibromofluoromethane	4.28	113	186000	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
50) Toluene-d8	7.70	98	444226	45.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.92%	
62) 4-Bromofluorobenzene	11.50	95	210648	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	111429	27.443	ug/l	97
3) Chloromethane	1.13	50	82494	24.615	ug/l	96
4) Vinyl Chloride	1.17	62	84152	24.638	ug/l	98
5) Bromomethane	1.36	94	57854	26.772	ug/l #	75
6) Chloroethane	1.44	64	38025	23.376	ug/l	96
7) Trichlorofluoromethane	1.53	101	161863	25.437	ug/l	99
8) Diethyl Ether	1.69	74	26666	25.188	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	1.90	101	87599	25.886	ug/l	89
10) Methyl Iodide	1.97	142	98246	18.003	ug/l	96
11) Tert butyl alcohol	2.68	59	27978	144.317	ug/l	99
12) 1,1-Dichloroethene	1.86	96	71739	25.633	ug/l	97
13) Acrolein	2.08	56	10238	141.514	ug/l	97
14) Allyl chloride	2.18	41	112035	22.940	ug/l	94
15) Acrylonitrile	3.07	53	53306	113.973	ug/l	89
16) Acetone	2.34	43	113908	122.139	ug/l	99
17) Carbon Disulfide	1.87	76	216213	27.665	ug/l #	93
18) Methyl Acetate	2.44	43	35578	22.900	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	166639	23.884	ug/l	95
20) Methylene Chloride	2.27	84	35778	7.953	ug/l	96
21) trans-1,2-Dichloroethene	2.40	96	71775	24.831	ug/l	96
22) Diisopropyl ether	2.92	45	225872	24.513	ug/l	97
23) Vinyl Acetate	3.32	43	453896	125.420	ug/l	98
24) 1,1-Dichloroethane	3.00	63	148848	24.908	ug/l #	97
25) 2-Butanone	4.50	43	140236	111.716	ug/l	100
26) 2,2-Dichloropropane	3.75	77	82342	24.149	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	93880	24.722	ug/l	87
28) Bromochloromethane	3.87	49	54167	23.281	ug/l #	80
29) Tetrahydrofuran	4.25	42	51263	111.516	ug/l	100
30) Chloroform	4.02	83	172296	23.895	ug/l	94
31) Cyclohexane	3.84	56	116836	23.146	ug/l	88
32) 1,1,1-Trichloroethane	4.27	97	135033	23.733	ug/l	98
36) 1,1-Dichloropropene	4.46	75	128798	24.532	ug/l	92
37) Ethyl Acetate	4.27	43	46224	20.808	ug/l #	76
38) Carbon Tetrachloride	4.16	117	124415	22.062	ug/l	88

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 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

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Quant Time: Sep 26 15:55:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	131393	23.091	ug/l	93
40) Benzene	4.80	78	286005	24.025	ug/l	99
41) Methacrylonitrile	4.91	41	25296	20.985	ug/l	91
42) 1,2-Dichloroethane	5.11	62	103974	23.728	ug/l	99
43) Isopropyl Acetate	7.11	43	58442	21.853	ug/l	90
44) Trichloroethene	5.67	130	84137	23.748	ug/l	97
45) 1,2-Dichloropropane	6.39	63	71924	23.344	ug/l	94
46) Dibromomethane	6.25	93	49058	22.276	ug/l	97
47) Bromodichloromethane	6.53	83	119338	22.549	ug/l #	93
48) Methyl methacrylate	6.86	41	37334	19.887	ug/l	95
49) 1,4-Dioxane	6.85	88	7162	427.022	ug/l #	71
51) 4-Methyl-2-Pentanone	8.40	43	210905	102.319	ug/l	96
52) Toluene	7.77	92	171807	22.813	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	99357	23.274	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	123471	22.958	ug/l	93
55) 1,1,2-Trichloroethane	8.63	97	50543	22.112	ug/l	91
56) Ethyl methacrylate	8.75	69	55626	20.150	ug/l	98
57) 1,3-Dichloropropane	8.99	76	87626	23.152	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.77	63	28688	117.551	ug/l	100
59) 2-Hexanone	9.62	43	145789	99.337	ug/l	96
60) Dibromochloromethane	8.85	129	77700	22.807	ug/l	97
61) 1,2-Dibromoethane	9.13	107	57807	22.711	ug/l	95
64) Tetrachloroethene	8.30	164	73071	21.658	ug/l	98
65) Chlorobenzene	9.94	112	197035	23.359	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	83745	23.924	ug/l	94
67) Ethyl Benzene	10.03	91	365095	23.410	ug/l	99
68) m/p-Xylenes	10.26	106	252980	46.950	ug/l	97
69) o-Xylene	10.82	106	116921	19.346	ug/l	99
70) Styrene	10.90	104	190676	22.372	ug/l	95
71) Bromoform	10.88	173	42982	22.357	ug/l	95
73) Isopropylbenzene	11.23	105	414479	24.081	ug/l	97
74) N-amyl acetate	11.46	43	84762	23.094	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	70031	22.958	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	49096	22.479	ug/l	90
77) Bromobenzene	11.59	156	85500	23.050	ug/l	97
78) n-propylbenzene	11.68	91	488853	24.575	ug/l	97
79) 2-Chlorotoluene	11.81	91	274136	23.611	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	326498	23.565	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	29758	25.782	ug/l	90
82) 4-Chlorotoluene	11.99	91	267446	22.918	ug/l	100
83) tert-Butylbenzene	12.21	119	338386	24.093	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	327786	23.299	ug/l	100
85) sec-Butylbenzene	12.38	105	454871	23.361	ug/l	94
86) p-Isopropyltoluene	12.54	119	363727	23.661	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	153672	22.170	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	156033	22.775	ug/l	96
89) n-Butylbenzene	12.91	91	390795	23.368	ug/l	98
90) Hexachloroethane	12.99	117	92018	23.413	ug/l	98
91) 1,2-Dichlorobenzene	13.02	146	148542	22.465	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	12264	21.414	ug/l	90

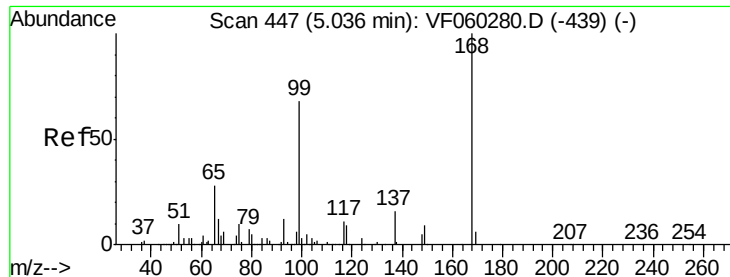
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF092618\
Data File : VF060349.D
Acq On : 26 Sep 2018 14:01
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Sample : VF0926SBS01
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Quant Title : SW846 8260
QLast Update : Thu Sep 20 02:58:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	109825	22.851	ug/l	98
94) Hexachlorobutadiene	14.25	225	73849	22.730	ug/l	97
95) Naphthalene	14.52	128	172533	20.476	ug/l	96
96) 1,2,3-Trichlorobenzene	14.67	180	99299	22.360	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

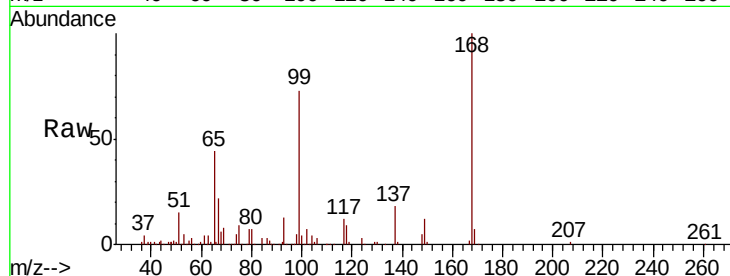
VF0926SBS01

Tot Ion:168 Resp: 245933

Ion Ratio Lower Upper

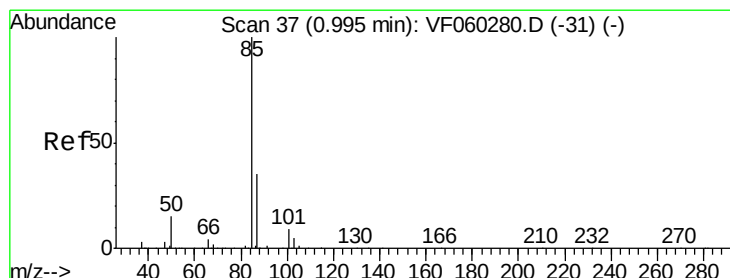
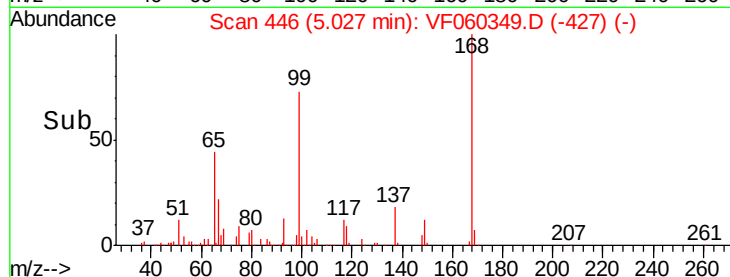
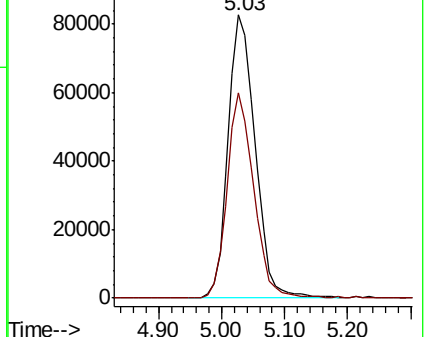
168 100

99 72.6 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 27.443 ug/l

RT: 1.00 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060349.D

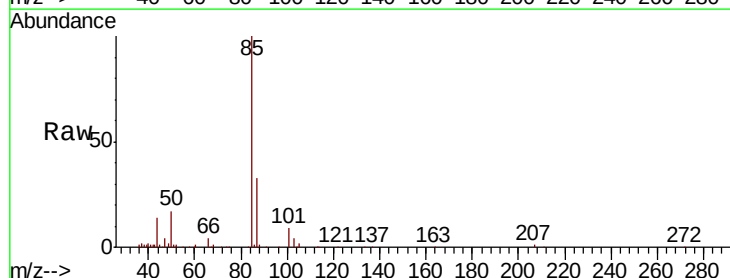
Acq: 26 Sep 2018 14:01

Tgt Ion: 85 Resp: 111429

Ion Ratio Lower Upper

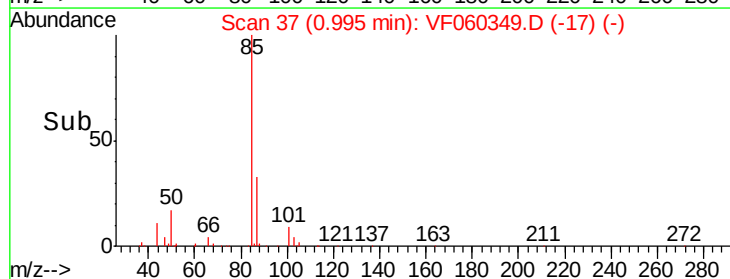
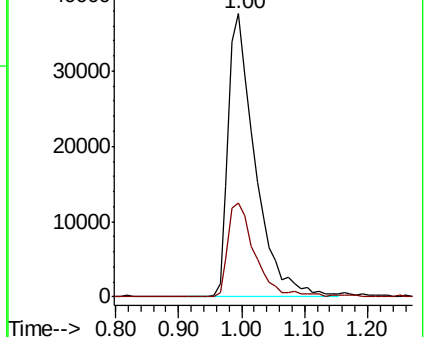
85 100

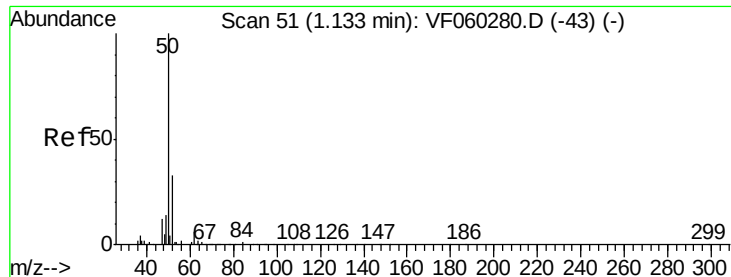
87 33.0 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 24.615 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

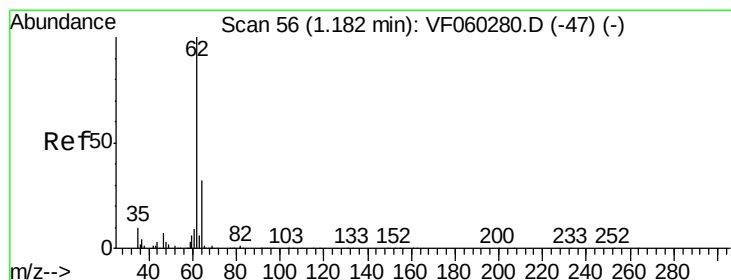
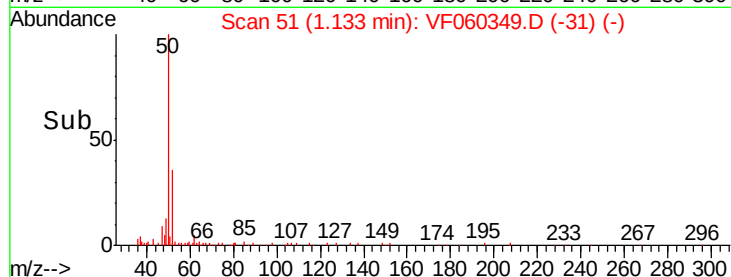
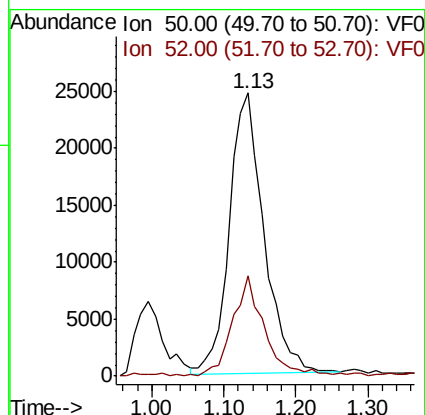
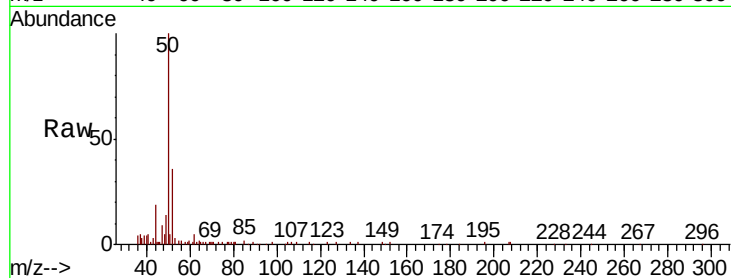
VF0926SBS01

Tot Ion: 50 Resp: 82494

Ion Ratio Lower Upper

50 100

52 35.6 26.5 39.7



#4

Vinyl Chloride

Concen: 24.638 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060349.D

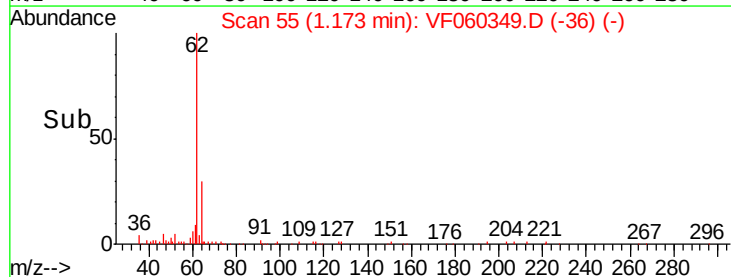
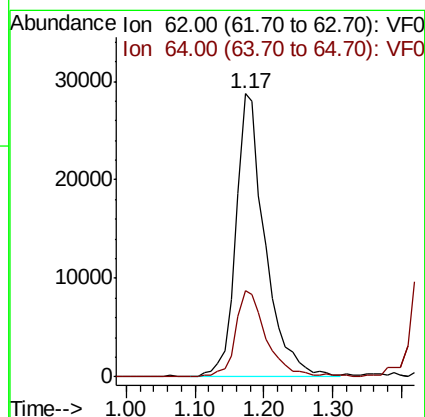
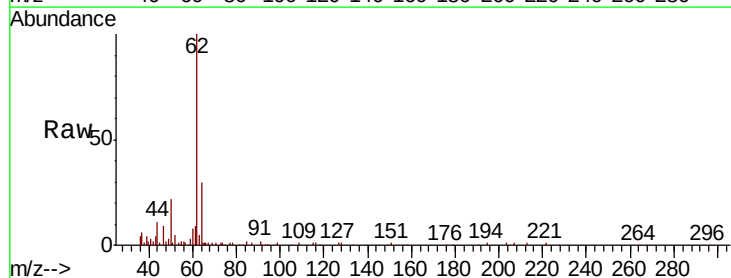
Acq: 26 Sep 2018 14:01

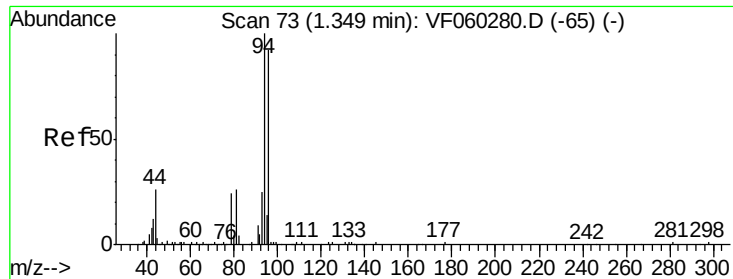
Tgt Ion: 62 Resp: 84152

Ion Ratio Lower Upper

62 100

64 30.3 25.2 37.8





#5

Bromomethane

Concen: 26.772 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

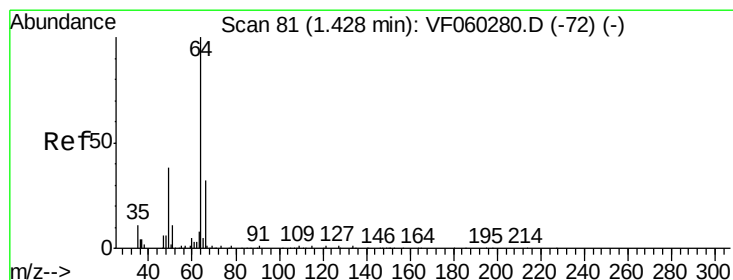
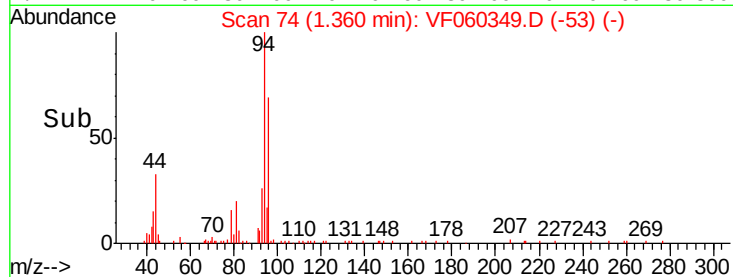
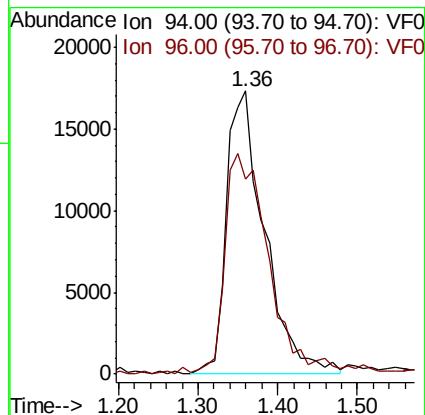
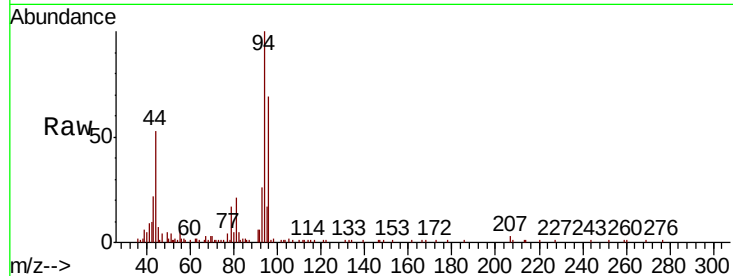
VF0926SBS01

Tot Ion: 94 Resp: 57854

Ion Ratio Lower Upper

94 100

96 68.9 73.9 110.9#



#6

Chloroethane

Concen: 23.376 ug/l

RT: 1.44 min Scan# 82

Delta R.T. 0.01 min

Lab File: VF060349.D

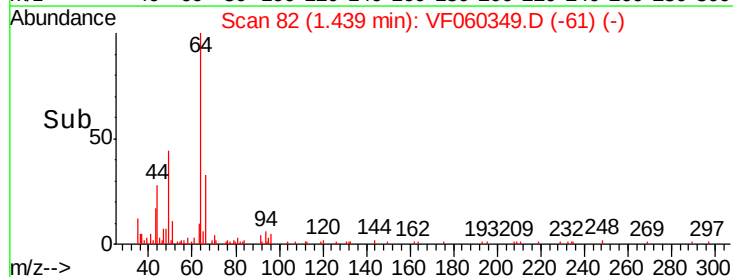
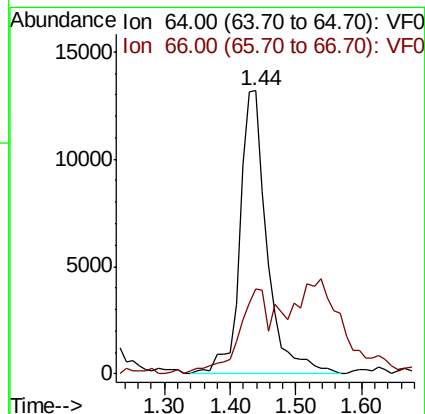
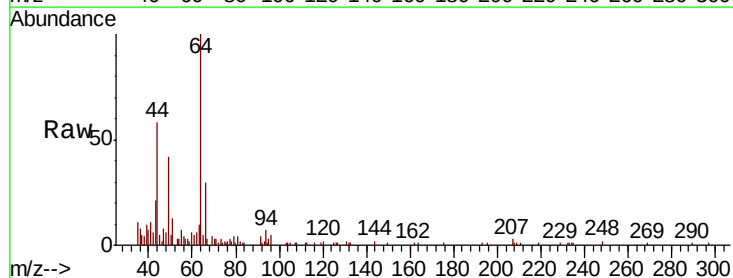
Acq: 26 Sep 2018 14:01

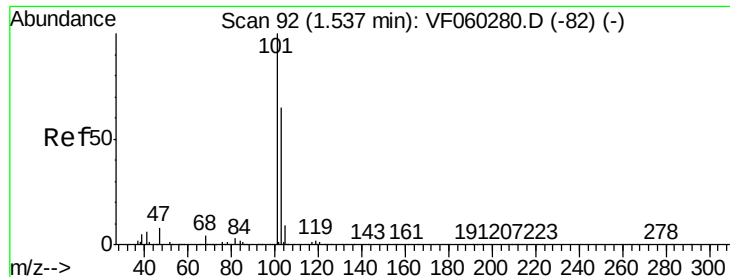
Tgt Ion: 64 Resp: 38025

Ion Ratio Lower Upper

64 100

66 30.2 26.2 39.2





#7

Trichlorofluoromethane

Concen: 25.437 ug/l

RT: 1.53 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

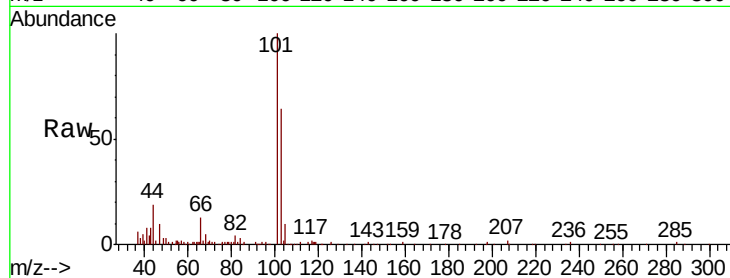
VF0926SBS01

Tot Ion:101 Resp: 161863

Ion Ratio Lower Upper

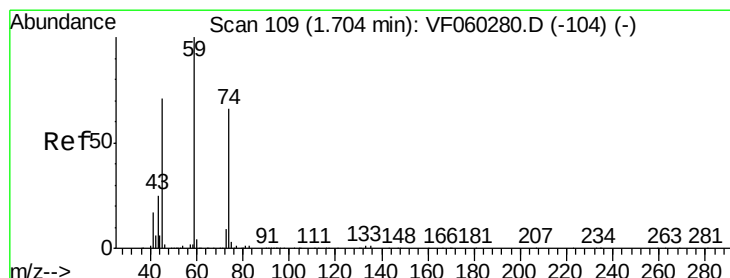
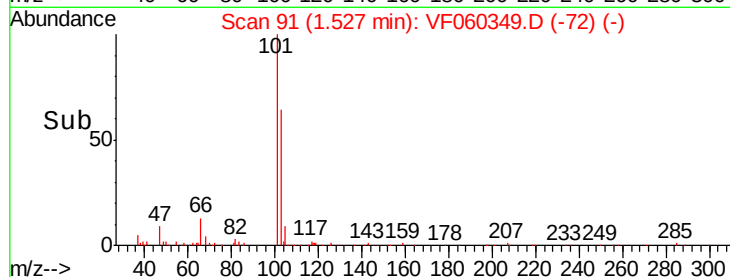
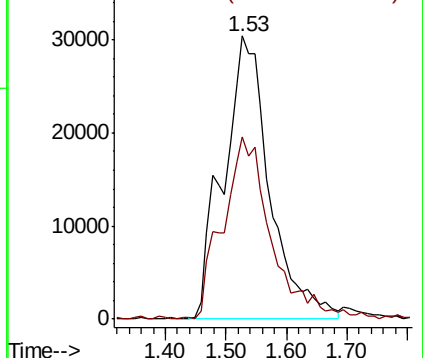
101 100

103 64.4 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 25.188 ug/l

RT: 1.69 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060349.D

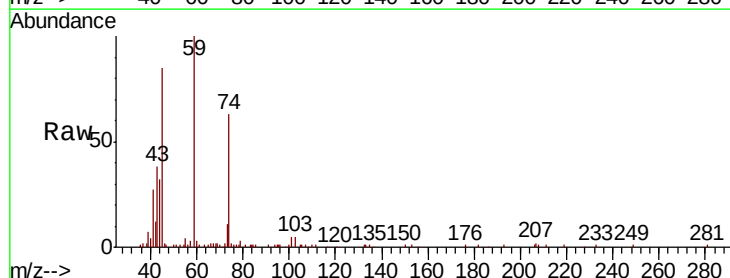
Acq: 26 Sep 2018 14:01

Tgt Ion: 74 Resp: 26666

Ion Ratio Lower Upper

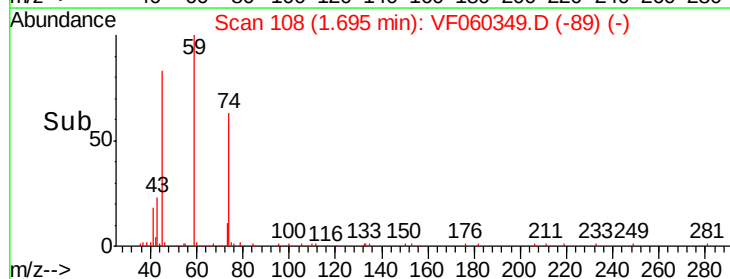
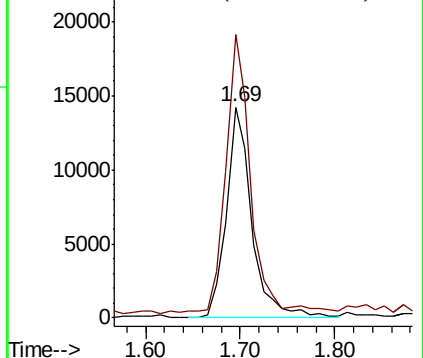
74 100

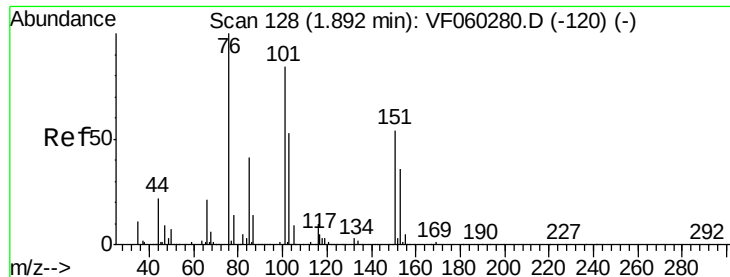
45 134.4 53.9 161.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.886 ug/l

RT: 1.90 min Scan# 129

Delta R.T. 0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

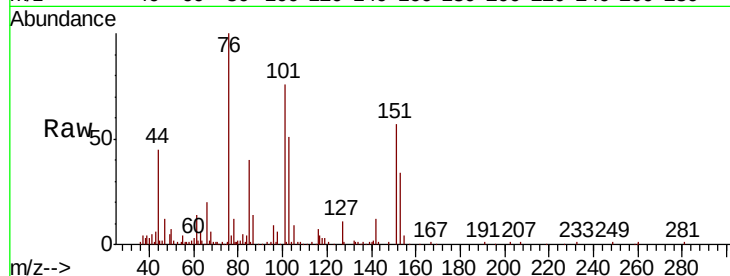
Tot Ion:101 Resp: 87599

Ion Ratio Lower Upper

101 100

85 52.9 38.7 58.1

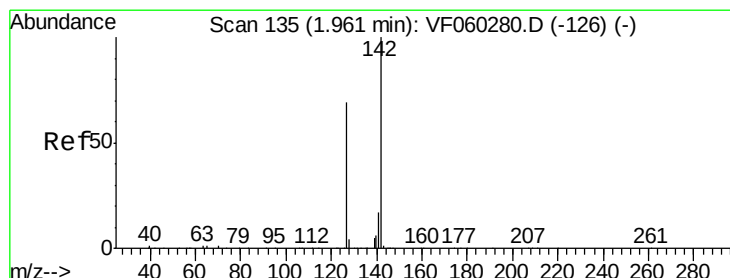
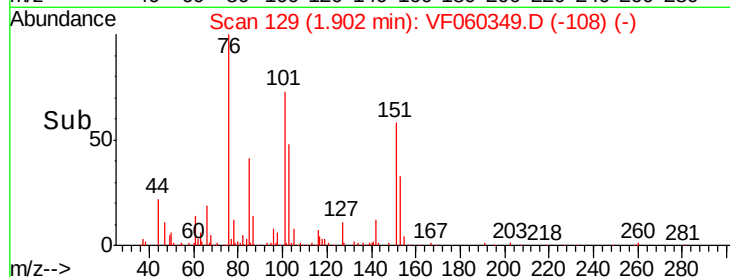
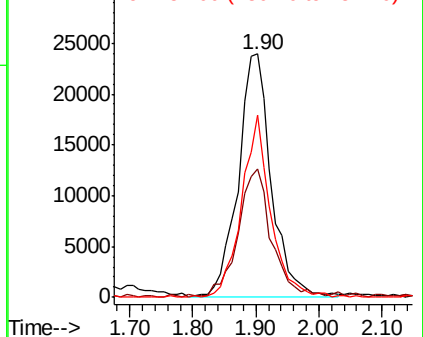
151 74.8 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 18.003 ug/l

RT: 1.97 min Scan# 136

Delta R.T. 0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

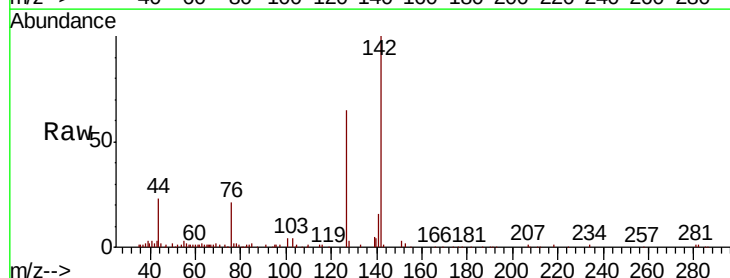
Tgt Ion:142 Resp: 98246

Ion Ratio Lower Upper

142 100

127 65.4 55.4 83.0

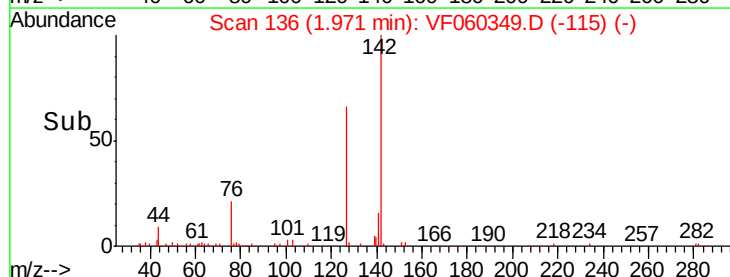
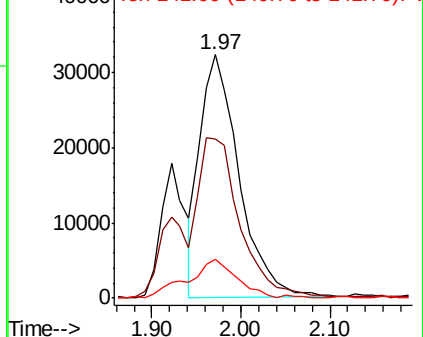
141 16.1 13.3 19.9

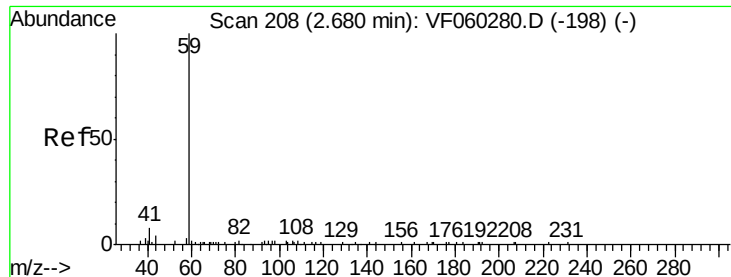


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



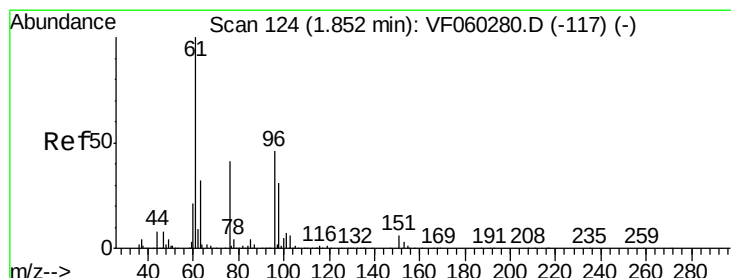
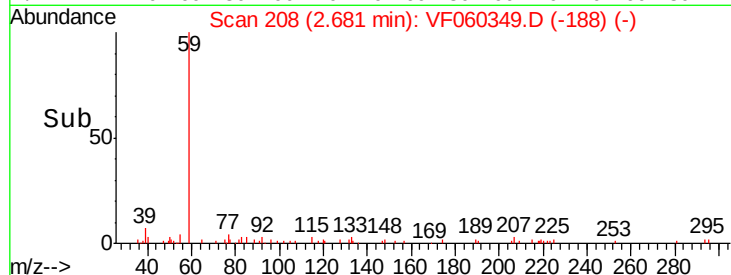
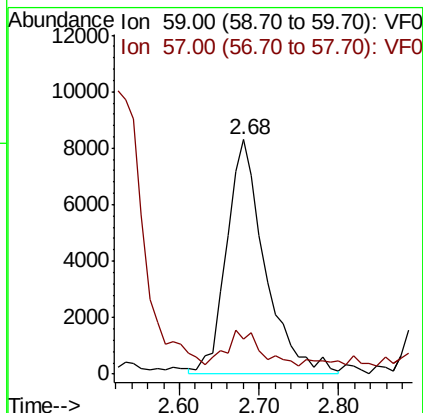
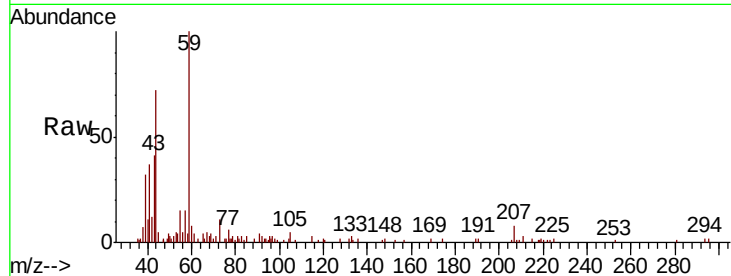


#11

Tert butyl alcohol
 Concen: 144.317 ug/l
 RT: 2.68 min Scan# 208
 Delta R.T. 0.00 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBS01

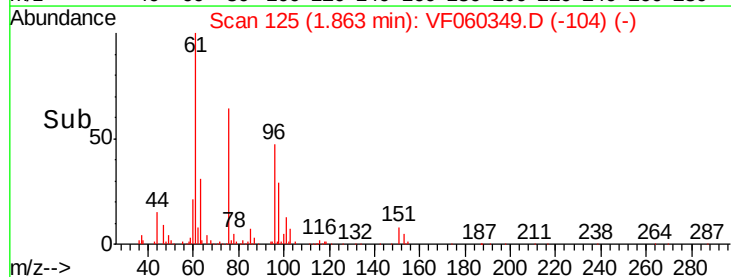
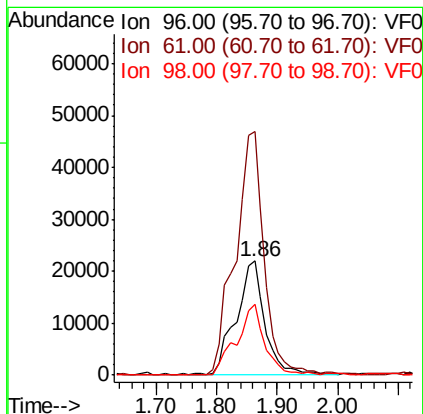
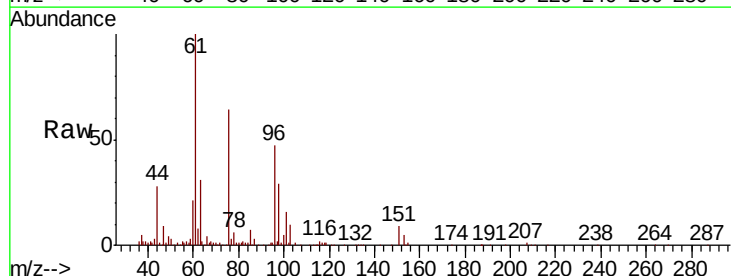
Tot Ion: 59 Resp: 27978
 Ion Ratio Lower Upper
 59 100
 57 15.1 12.4 18.6

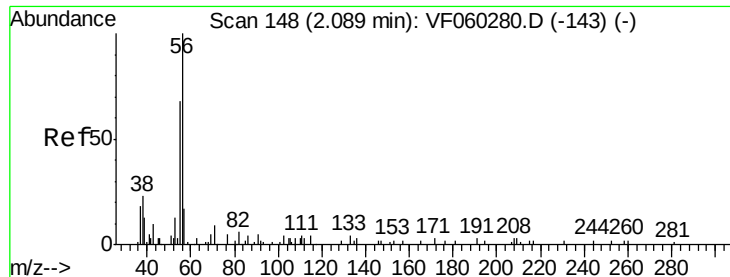


#12

1,1-Dichloroethene
 Concen: 25.633 ug/l
 RT: 1.86 min Scan# 125
 Delta R.T. 0.01 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

Tgt Ion: 96 Resp: 71739
 Ion Ratio Lower Upper
 96 100
 61 213.0 172.2 258.2
 98 62.1 54.1 81.1





#13

Acrolein

Concen: 141.514 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

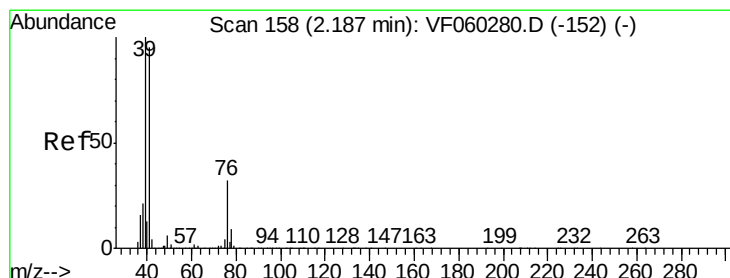
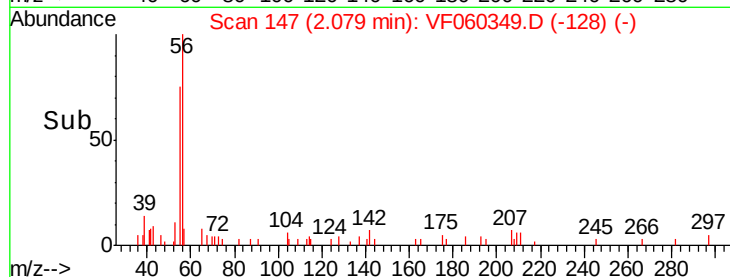
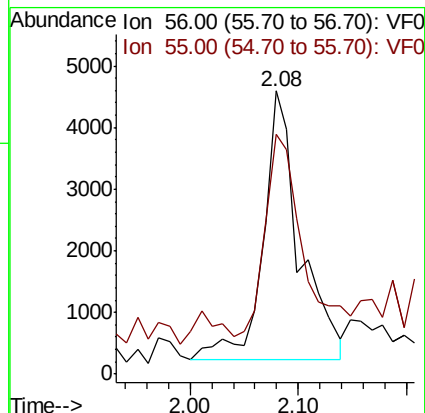
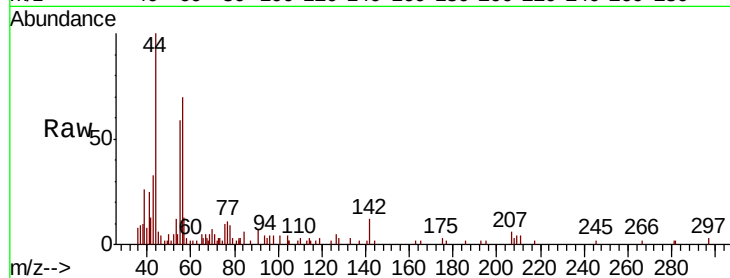
VF0926SBS01

Tot Ion: 56 Resp: 10238

Ion Ratio Lower Upper

56 100

55 84.9 69.9 104.9



#14

Allyl chloride

Concen: 22.940 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

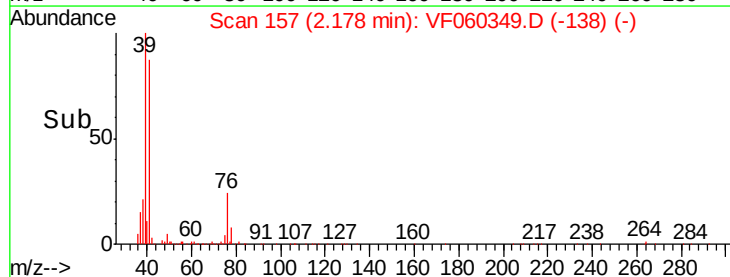
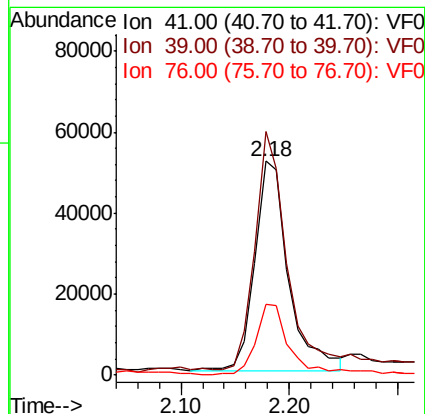
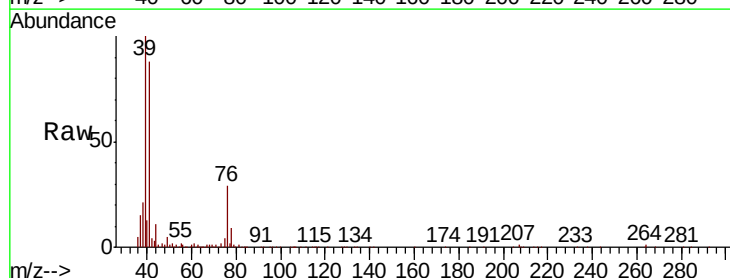
Tgt Ion: 41 Resp: 112035

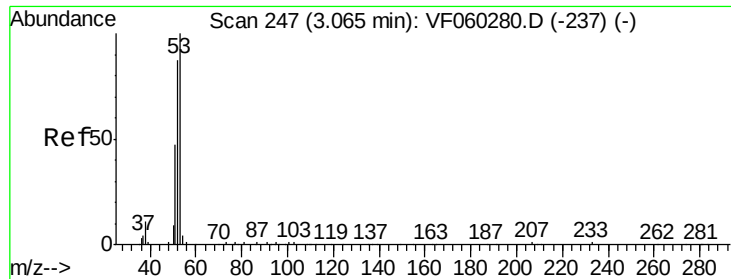
Ion Ratio Lower Upper

41 100

39 113.9 84.8 127.2

76 33.2 27.4 41.2





#15

Acrylonitrile

Concen: 113.973 ug/l

RT: 3.07 min Scan# 247

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

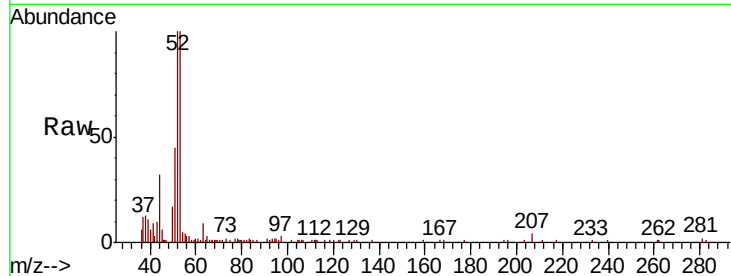
Tot Ion: 53 Resp: 53306

Ion Ratio Lower Upper

53 100

52 100.1 69.5 104.3

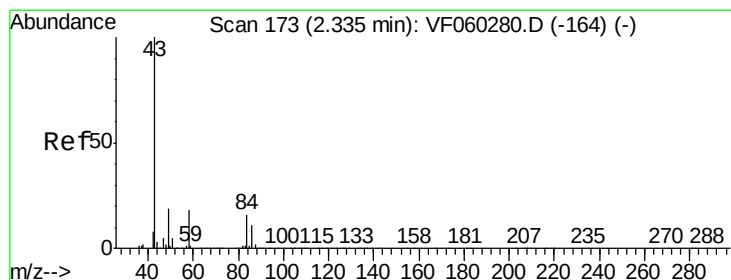
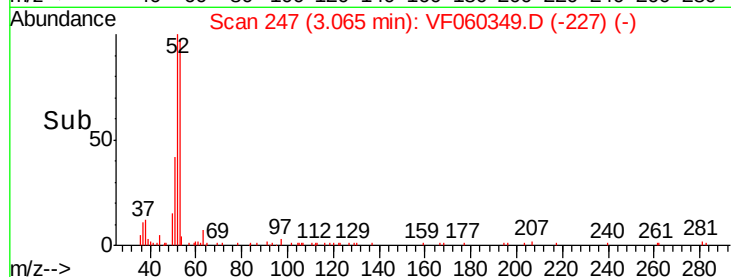
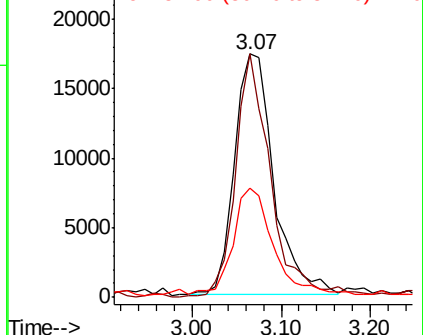
51 44.7 38.1 57.1



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: 122.139 ug/l

RT: 2.34 min Scan# 173

Delta R.T. 0.00 min

Lab File: VF060349.D

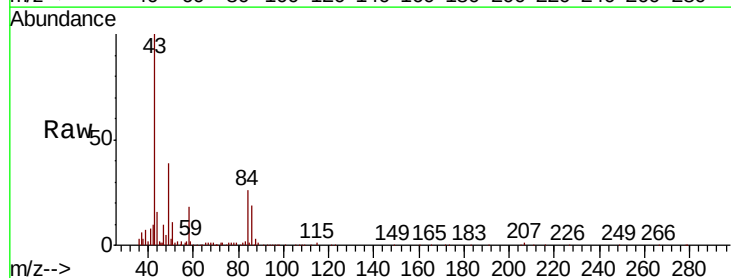
Acq: 26 Sep 2018 14:01

Tgt Ion: 43 Resp: 113908

Ion Ratio Lower Upper

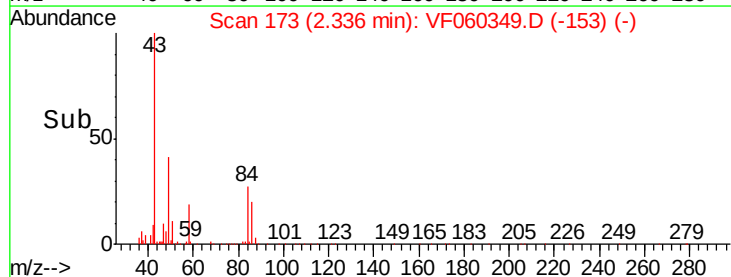
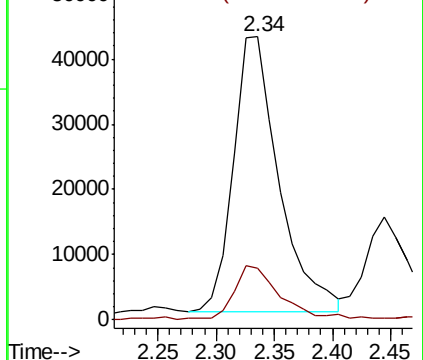
43 100

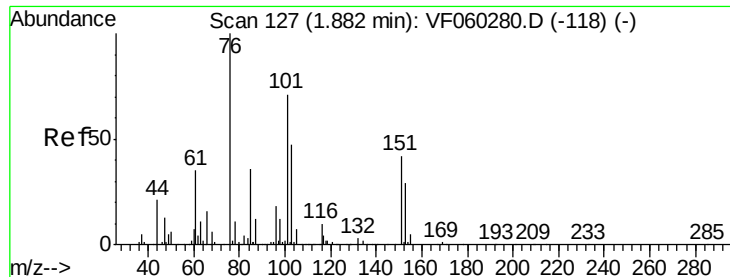
58 18.4 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 27.665 ug/l

RT: 1.87 min Scan# 126

Delta R.T. -0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

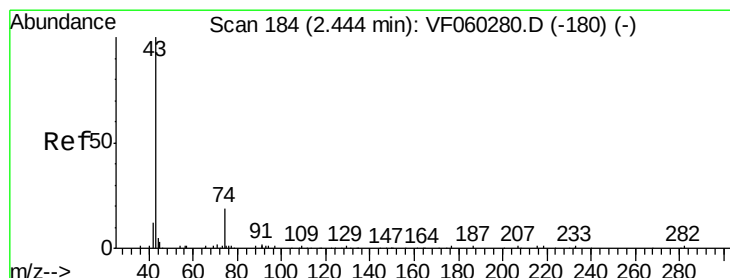
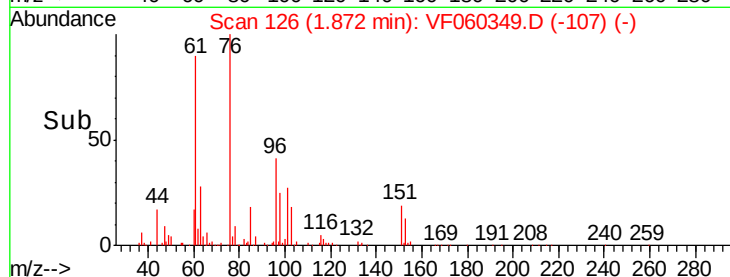
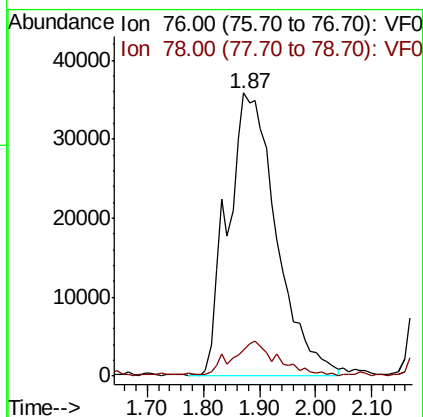
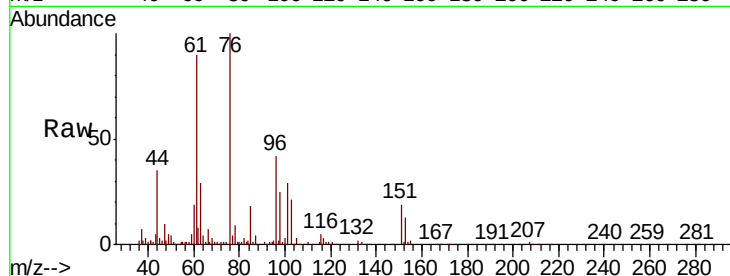
VF0926SBS01

Tot Ion: 76 Resp: 216213

Ion Ratio Lower Upper

76 100

78 9.1 9.4 14.0#



#18

Methyl Acetate

Concen: 22.900 ug/l

RT: 2.44 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF060349.D

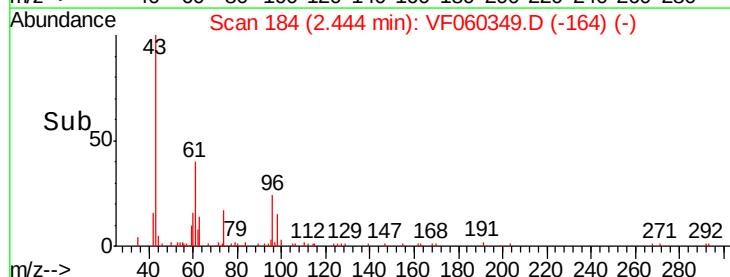
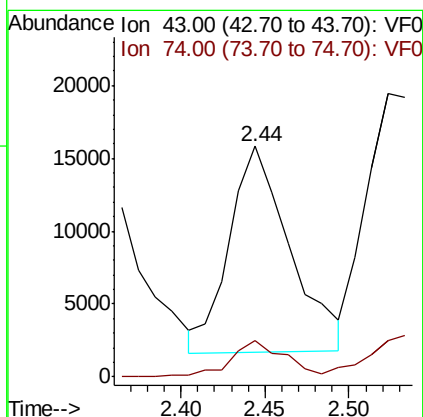
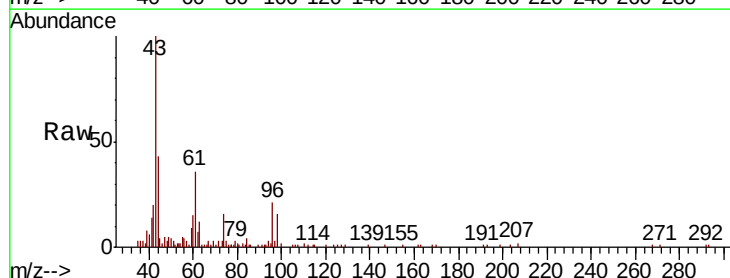
Acq: 26 Sep 2018 14:01

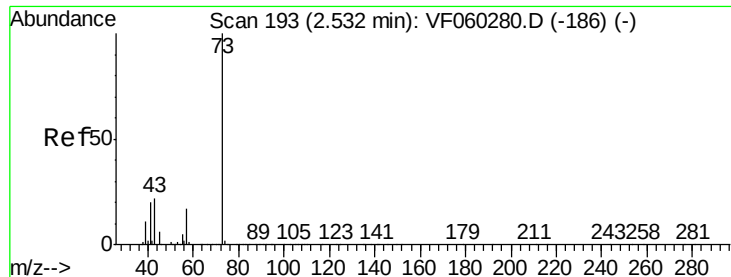
Tgt Ion: 43 Resp: 35578

Ion Ratio Lower Upper

43 100

74 15.6 12.7 19.1



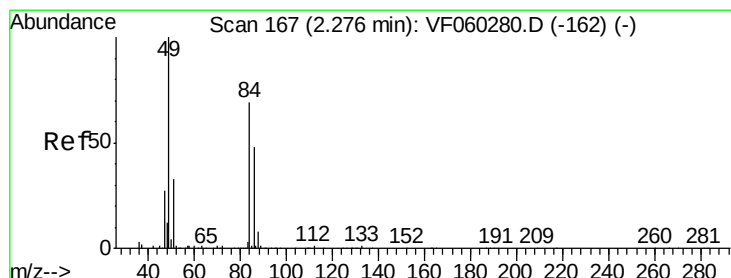
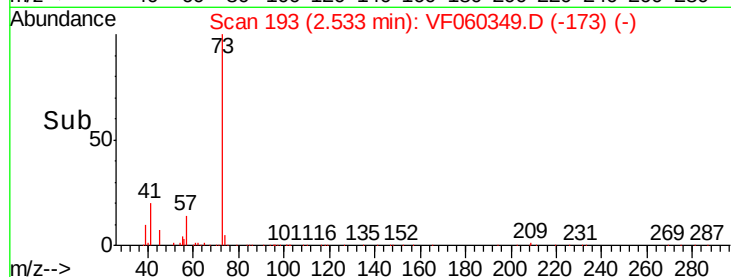
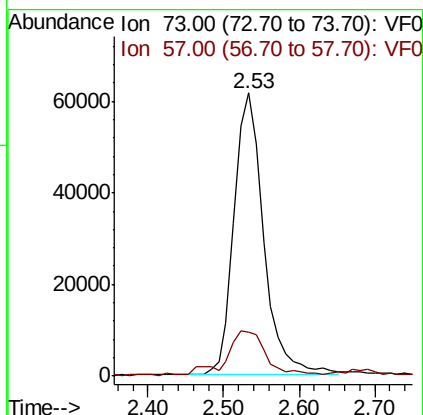
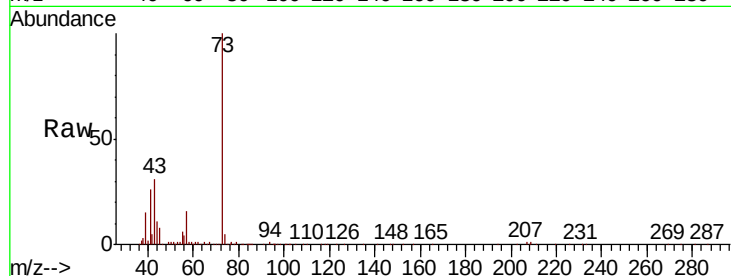


#19

Methyl tert-butyl Ether
 Concen: 23.884 ug/l
 RT: 2.53 min Scan# 193
 Delta R.T. 0.00 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBS01

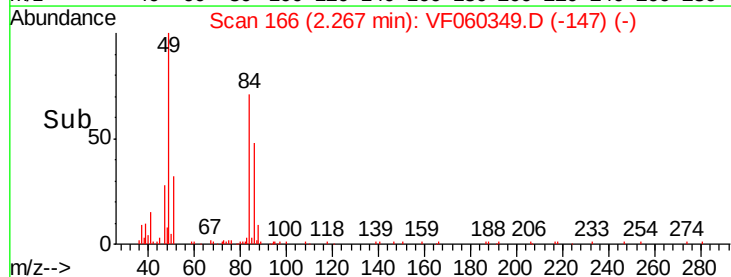
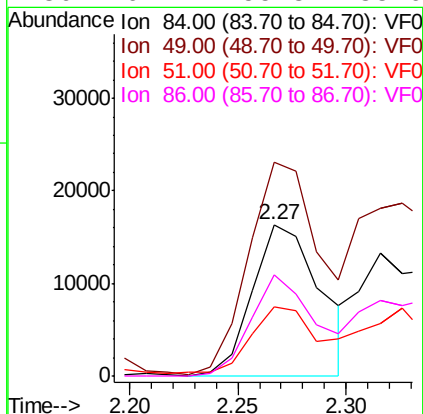
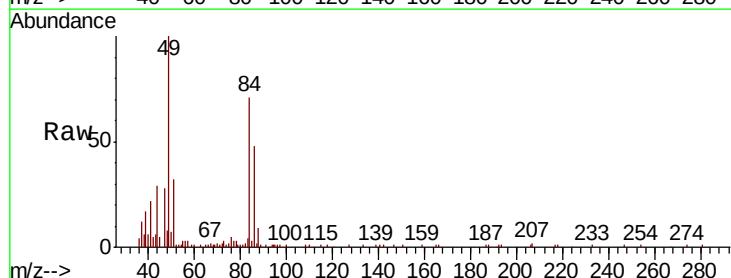
Tot Ion: 73 Resp: 166639
 Ion Ratio Lower Upper
 73 100
 57 15.7 14.5 21.7

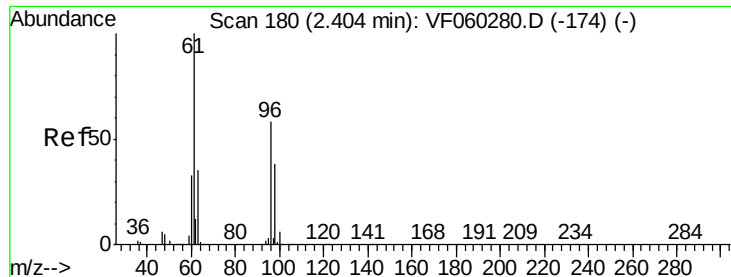


#20

Methylene Chloride
 Concen: 7.953 ug/l
 RT: 2.27 min Scan# 166
 Delta R.T. -0.01 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

Tgt Ion: 84 Resp: 35778
 Ion Ratio Lower Upper
 84 100
 49 141.2 118.3 177.5
 51 45.6 38.7 58.1
 86 67.2 55.8 83.6





#21

trans-1,2-Dichloroethene

Concen: 24.831 ug/l

RT: 2.40 min Scan# 180

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

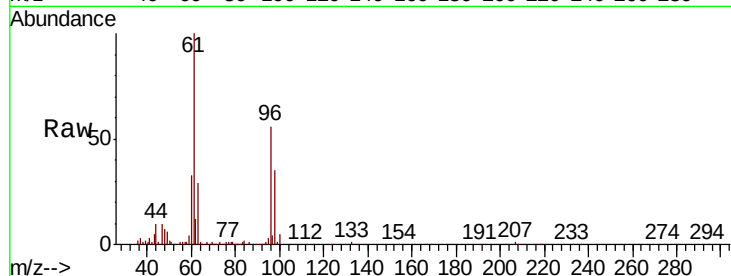
Tot Ion: 96 Resp: 71775

Ion Ratio Lower Upper

96 100

61 177.2 136.4 204.6

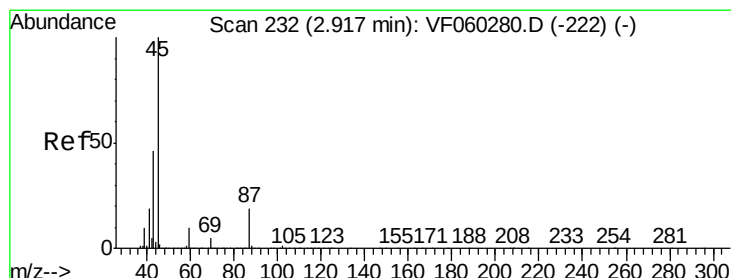
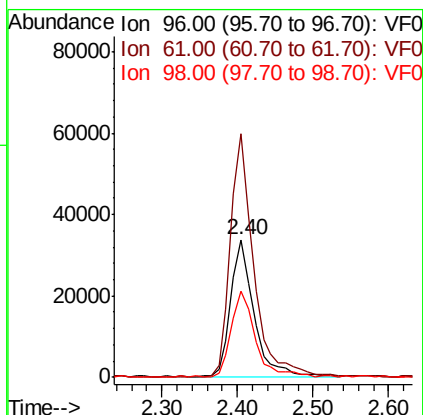
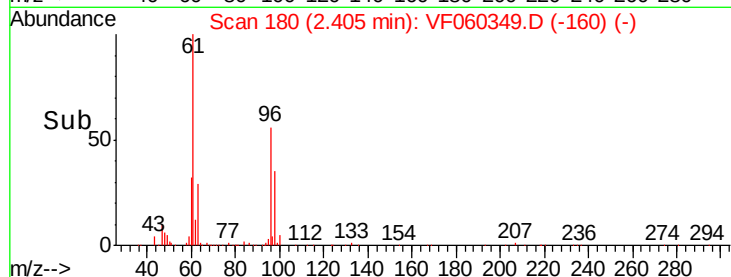
98 62.8 51.8 77.6



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 24.513 ug/l

RT: 2.92 min Scan# 232

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Tgt Ion: 45 Resp: 225872

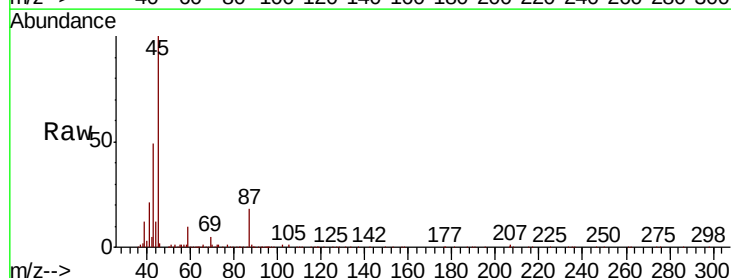
Ion Ratio Lower Upper

45 100

43 49.2 38.2 57.2

87 17.7 15.5 23.3

59 10.3 7.7 11.5

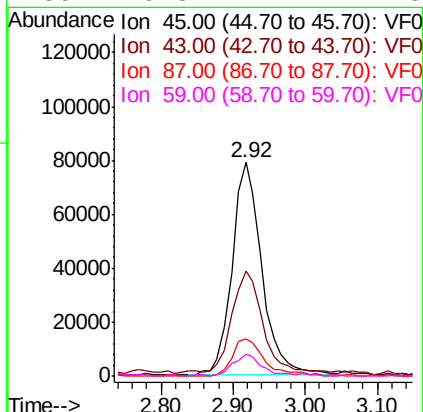
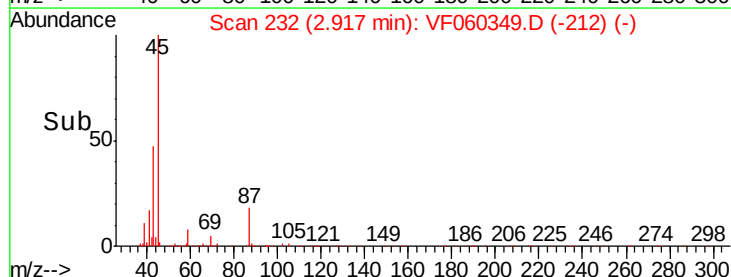


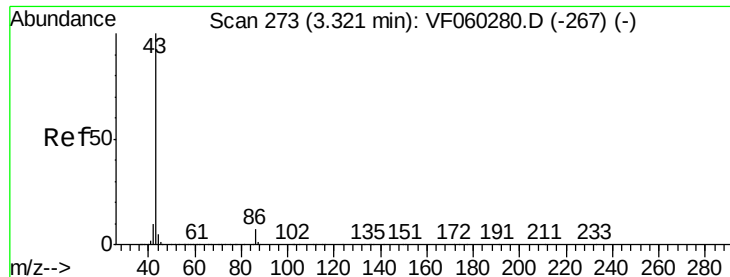
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 125.420 ug/l

RT: 3.32 min Scan# 273

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

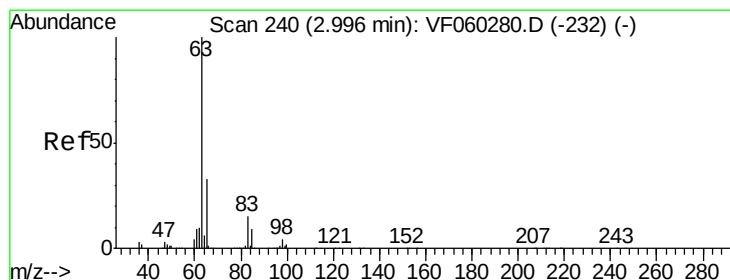
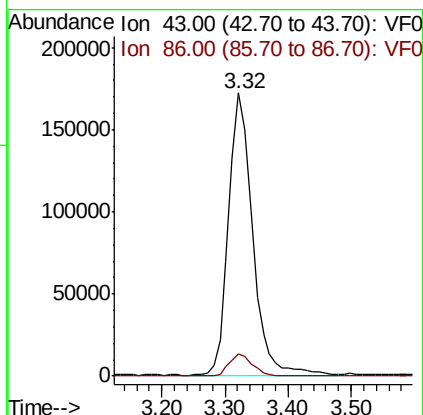
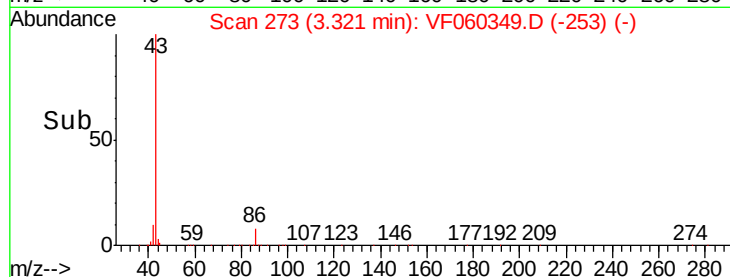
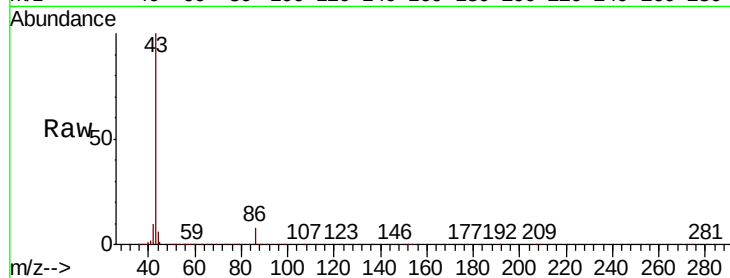
VF0926SBS01

Tot Ion: 43 Resp: 453896

Ion Ratio Lower Upper

43 100

86 8.1 5.9 8.9



#24

1,1-Dichloroethane

Concen: 24.908 ug/l

RT: 3.00 min Scan# 240

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

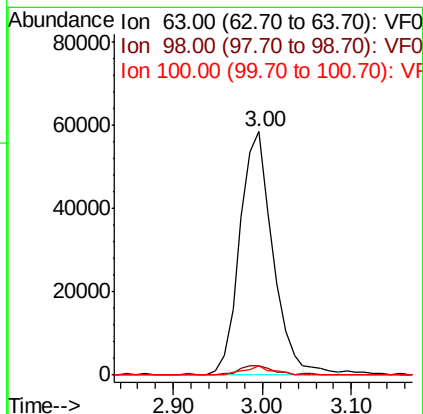
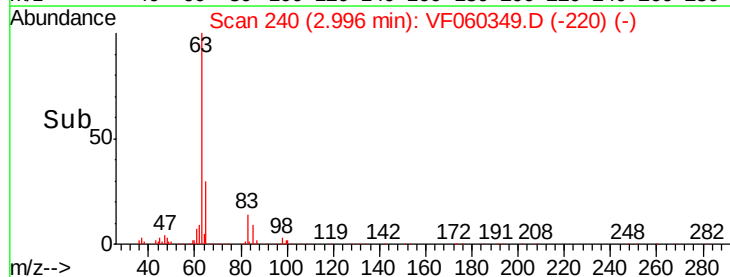
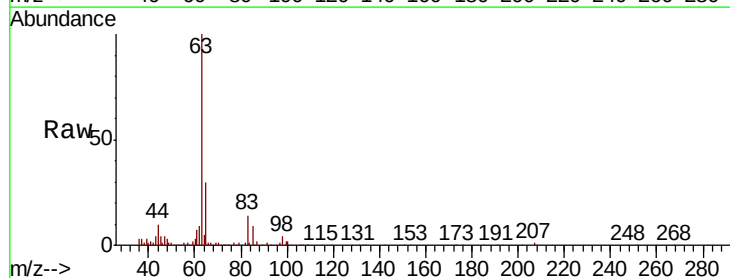
Tgt Ion: 63 Resp: 148848

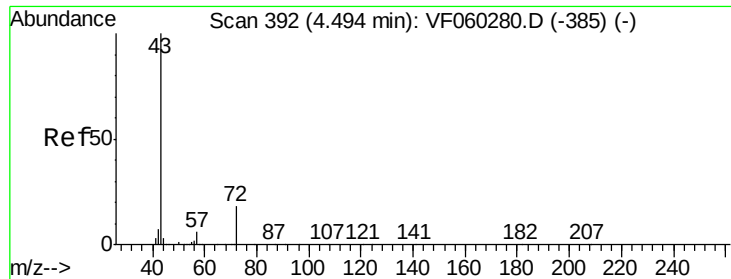
Ion Ratio Lower Upper

63 100

98 3.8 2.1 6.5

100 3.7 1.1 3.3#





#25

2-Butanone

Concen: 111.716 ug/l

RT: 4.50 min Scan# 393

Delta R.T. 0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

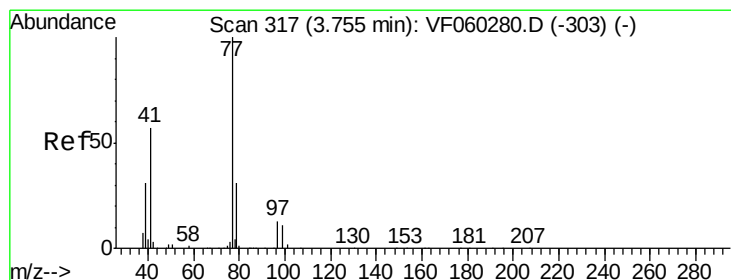
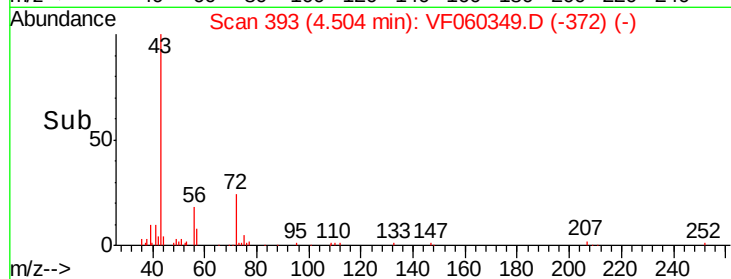
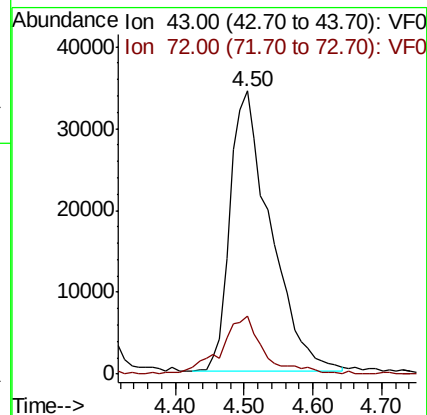
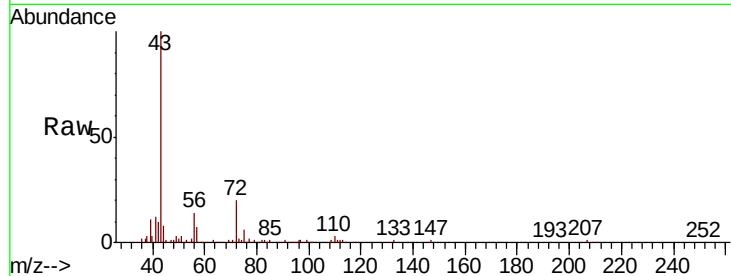
VF0926SBS01

Tot Ion: 43 Resp: 140236

Ion Ratio Lower Upper

43 100

72 20.4 16.2 24.2



#26

2,2-Dichloropropane

Concen: 24.149 ug/l

RT: 3.75 min Scan# 316

Delta R.T. -0.01 min

Lab File: VF060349.D

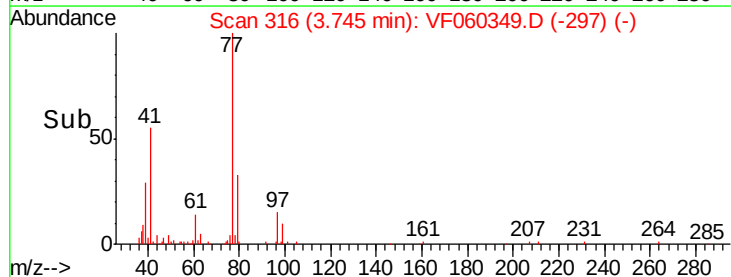
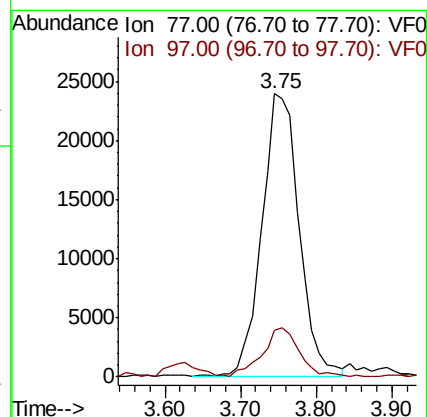
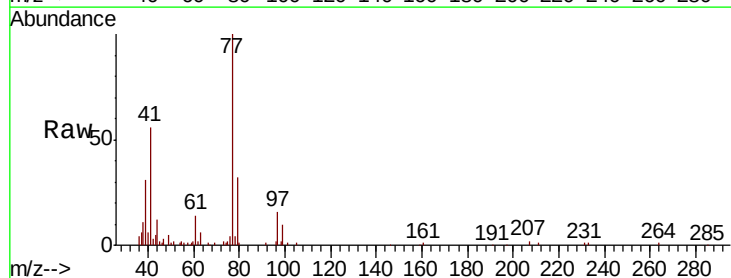
Acq: 26 Sep 2018 14:01

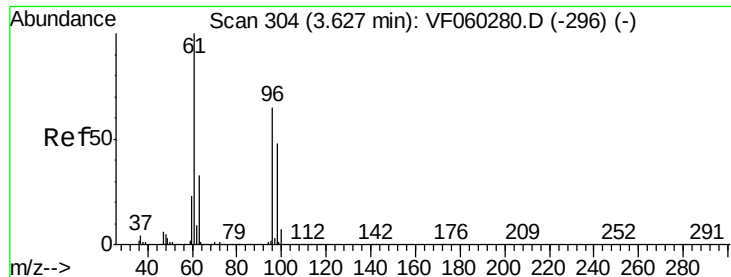
Tgt Ion: 77 Resp: 82342

Ion Ratio Lower Upper

77 100

97 16.3 9.3 27.9



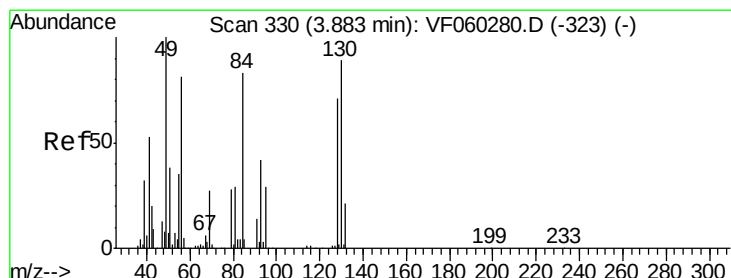
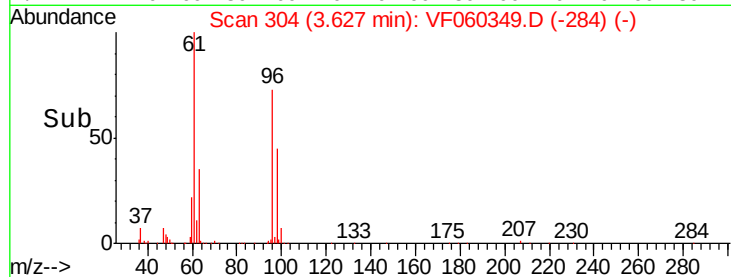
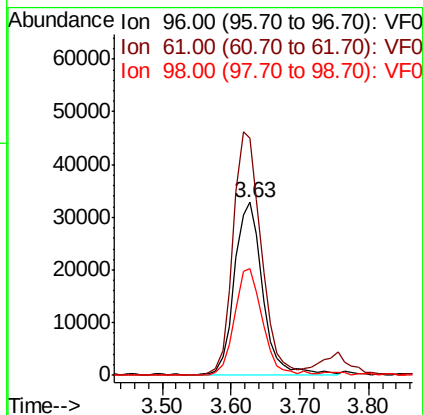
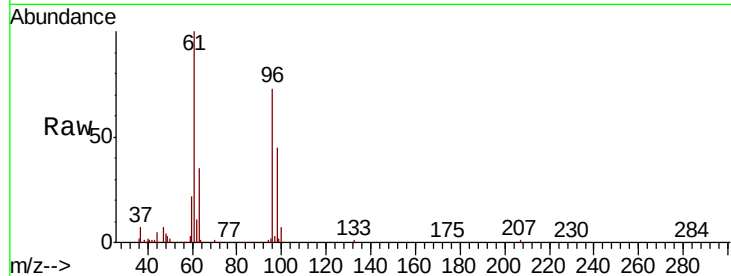


#27

cis-1,2-Dichloroethene
 Concen: 24.722 ug/l
 RT: 3.63 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBS01

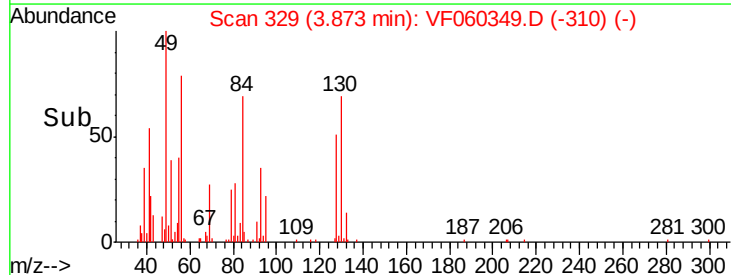
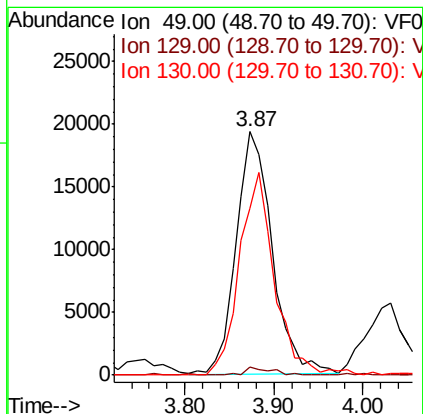
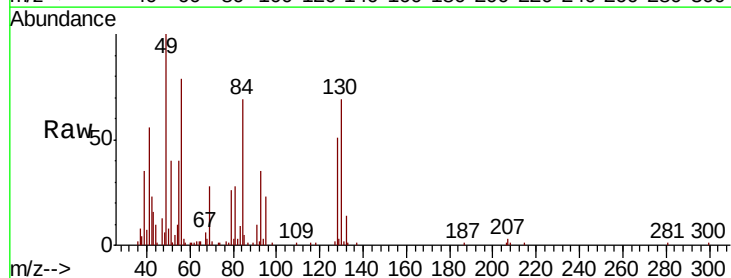
Tot Ion	Ratio	Lower	Upper
96	100		
61	136.9	0.0	304.8
98	61.3	0.0	146.4

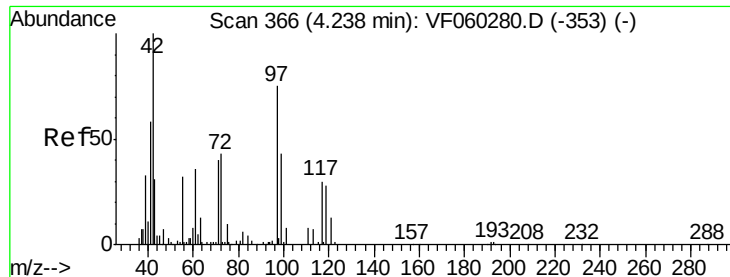


#28

Bromochloromethane
 Concen: 23.281 ug/l
 RT: 3.87 min Scan# 329
 Delta R.T. -0.01 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.5	0.0	4.2
130	68.7	70.3	105.5#

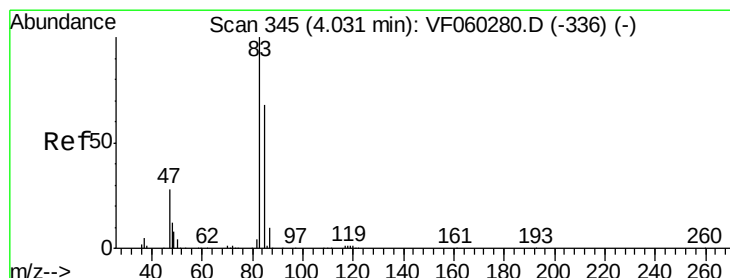
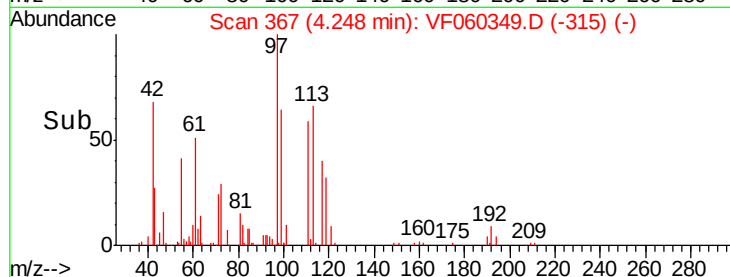
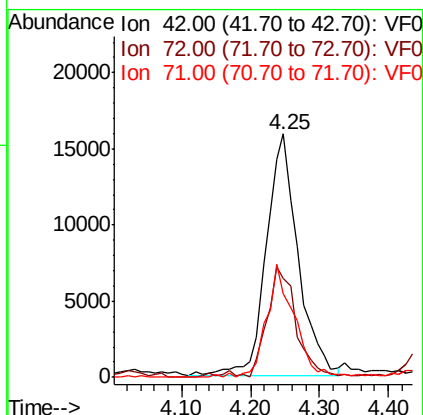
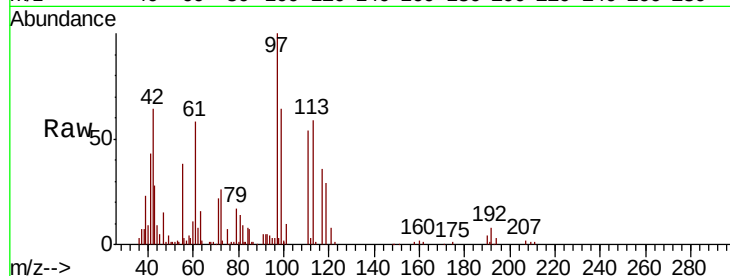




#29
Tetrahydrofuran
Concen: 111.516 ug/l
RT: 4.25 min Scan# 367
Delta R.T. 0.01 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

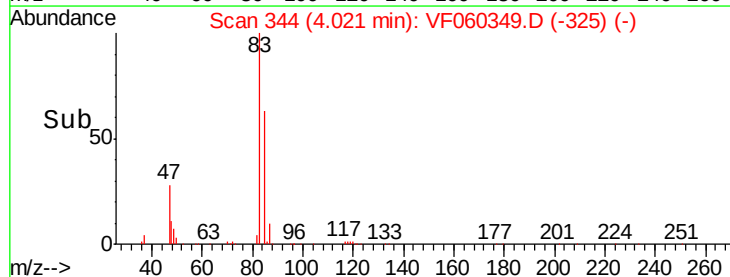
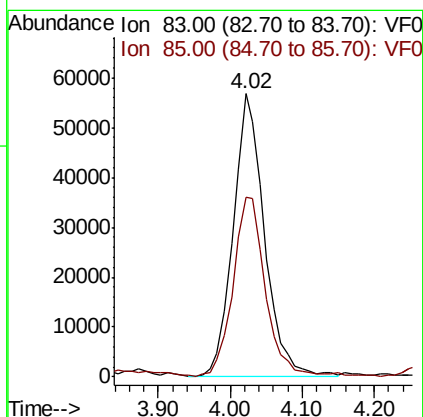
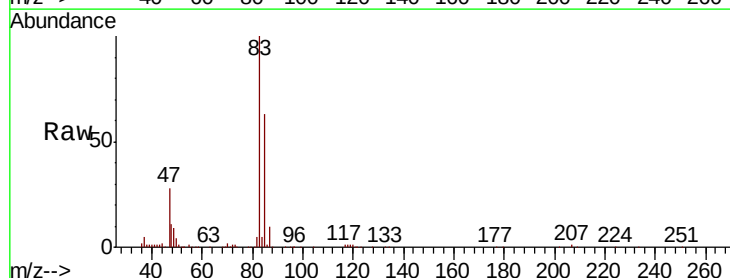
Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

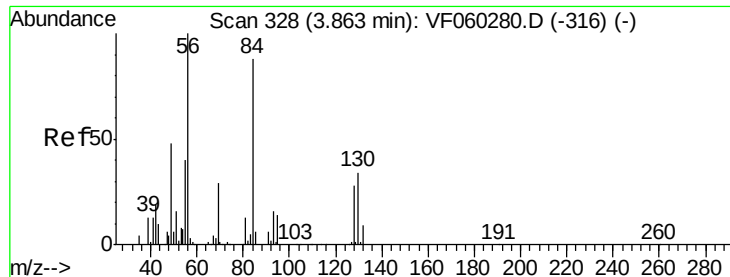
Tot Ion: 42 Resp: 51263
Ion Ratio Lower Upper
42 100
72 40.6 32.6 49.0
71 41.0 32.7 49.1



#30
Chloroform
Concen: 23.895 ug/l
RT: 4.02 min Scan# 344
Delta R.T. -0.01 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Tgt Ion: 83 Resp: 172296
Ion Ratio Lower Upper
83 100
85 63.5 54.9 82.3





#31

Cyclohexane

Concen: 23.146 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.02 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

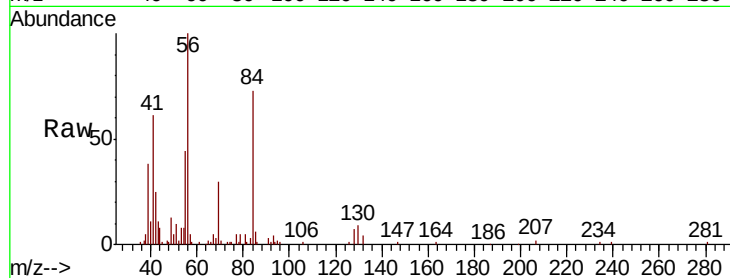
Tot Ion: 56 Resp: 116836

Ion Ratio Lower Upper

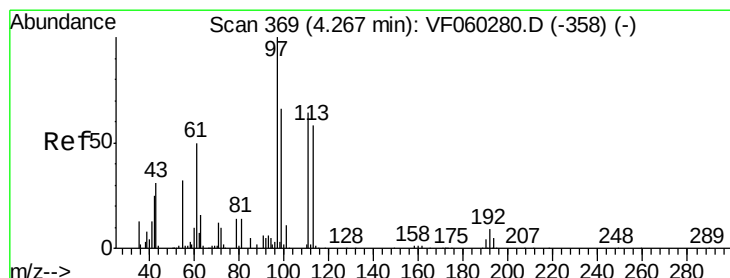
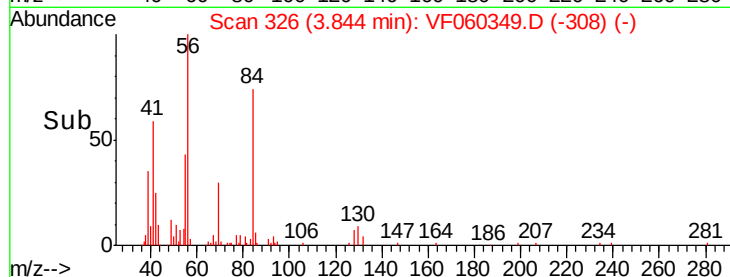
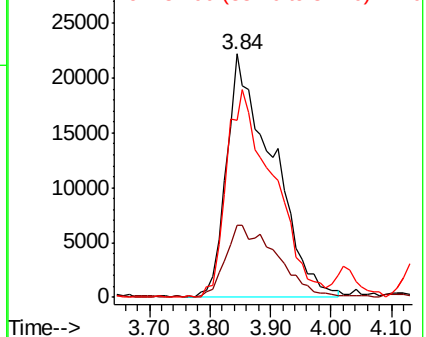
56 100

69 29.7 23.8 35.6

84 72.8 70.2 105.4



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: 23.733 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

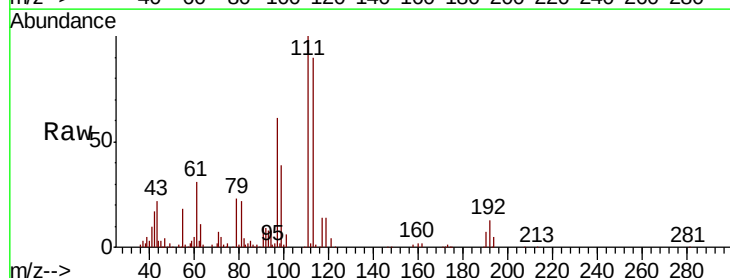
Tgt Ion: 97 Resp: 135033

Ion Ratio Lower Upper

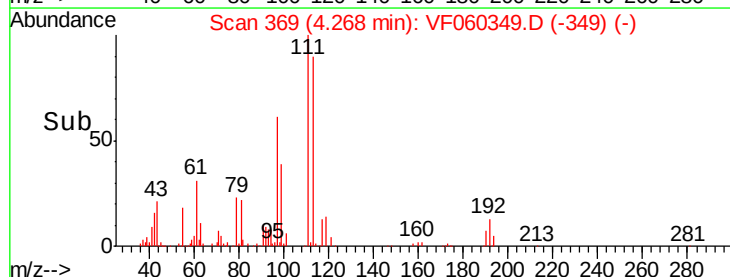
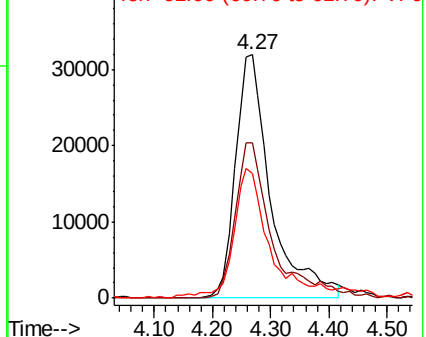
97 100

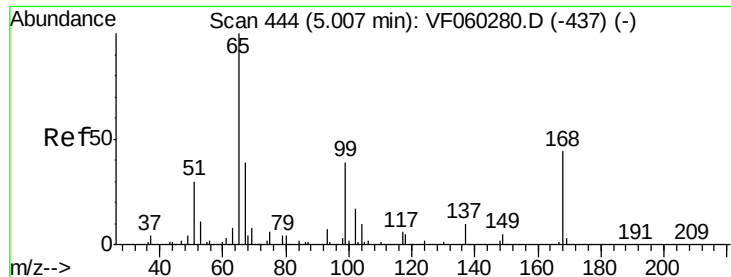
99 63.7 53.0 79.4

61 51.3 40.6 61.0



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

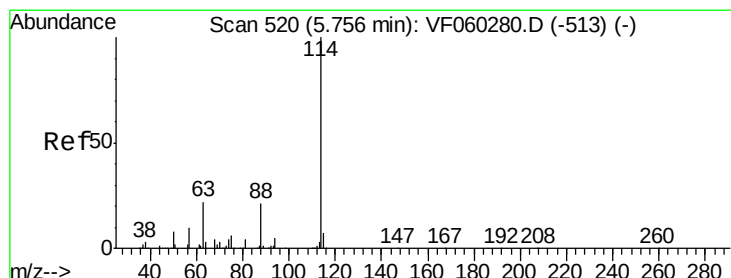
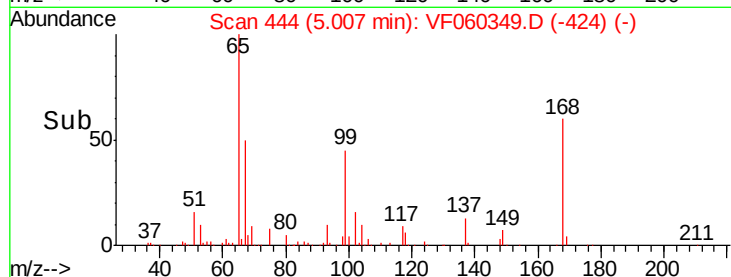
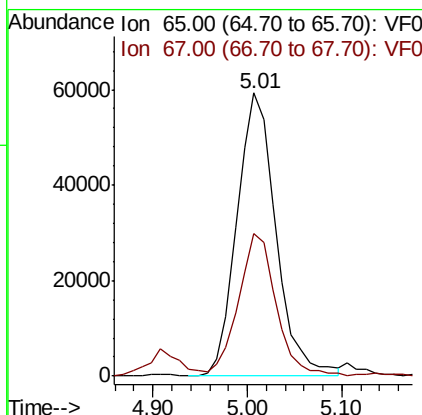
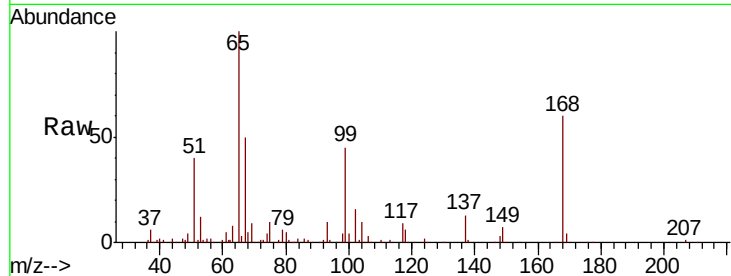




#33
 1,2-Dichloroethane-d4
 Concen: 50.881 ug/l
 RT: 5.01 min Scan# 444
 Delta R.T. 0.00 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

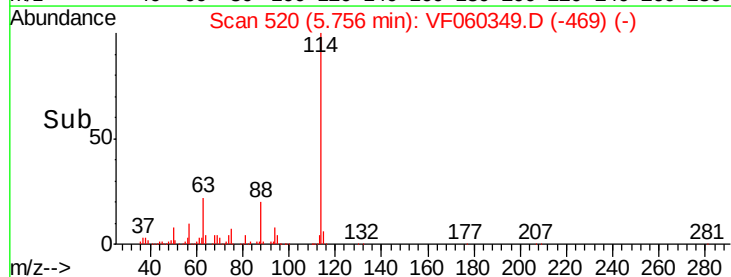
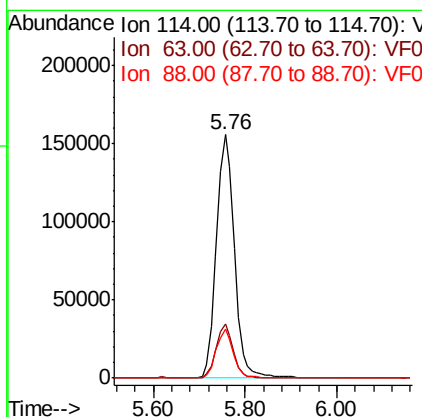
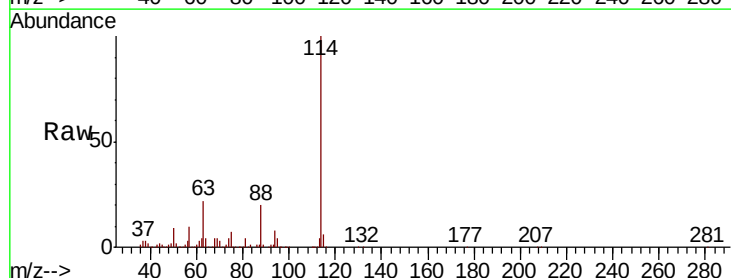
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBS01

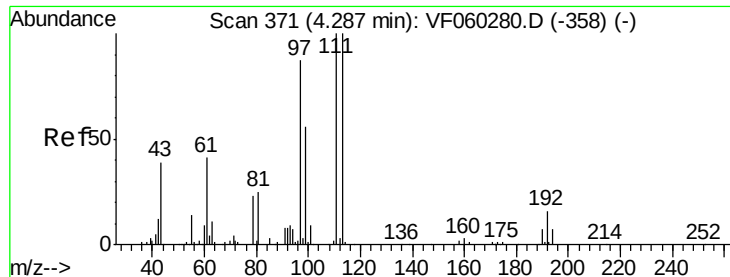
Tot Ion: 65 Resp: 168497
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 94.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

Tgt Ion: 114 Resp: 420902
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.8
 88 20.0 0.0 41.2





#35

Dibromofluoromethane

Concen: 49.573 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

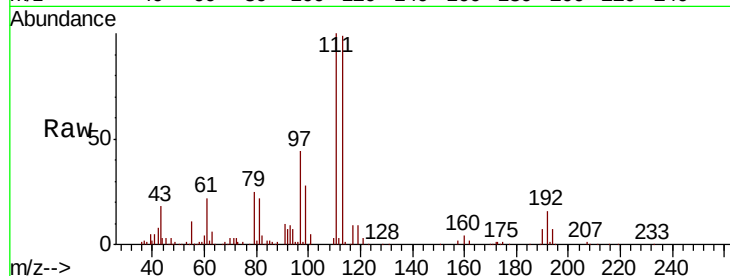
Tot Ion:113 Resp: 186000

Ion Ratio Lower Upper

113 100

111 101.2 79.6 119.4

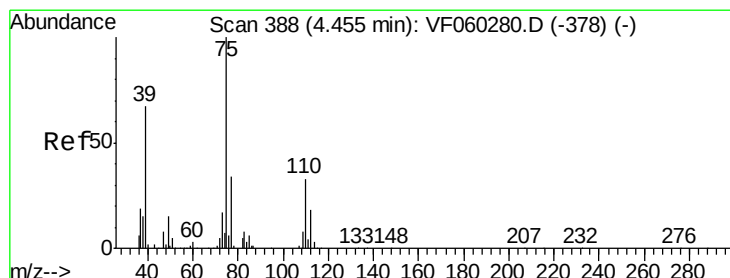
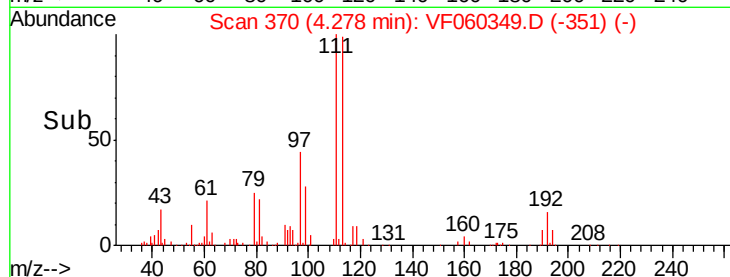
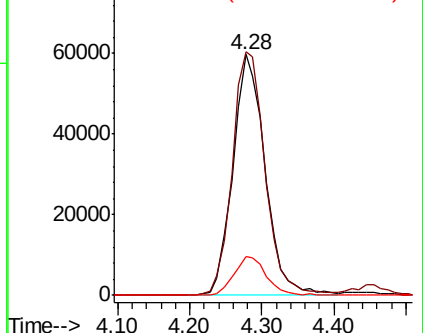
192 15.9 13.0 19.6



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: 24.532 ug/l

RT: 4.46 min Scan# 388

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

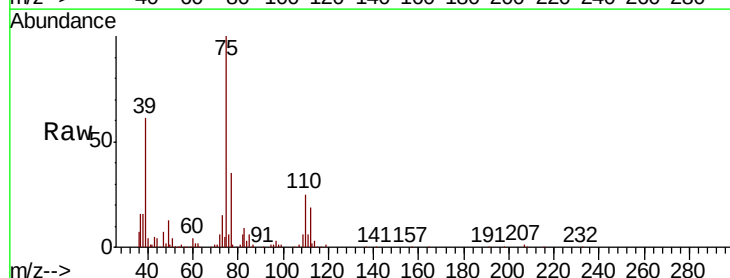
Tgt Ion: 75 Resp: 128798

Ion Ratio Lower Upper

75 100

110 25.3 16.4 49.2

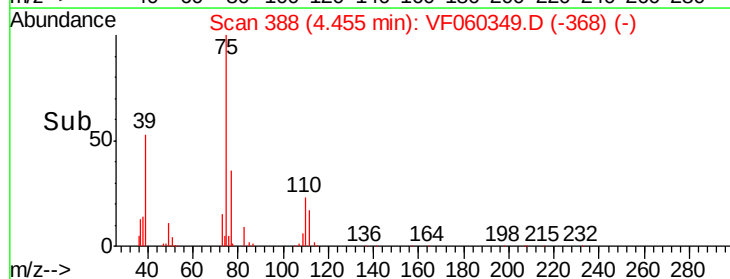
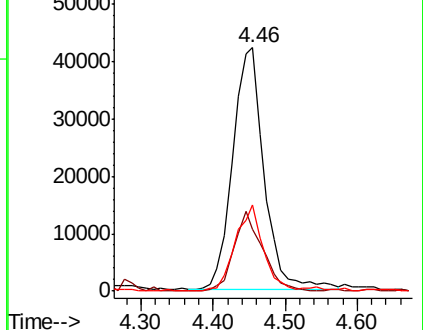
77 35.2 27.3 40.9

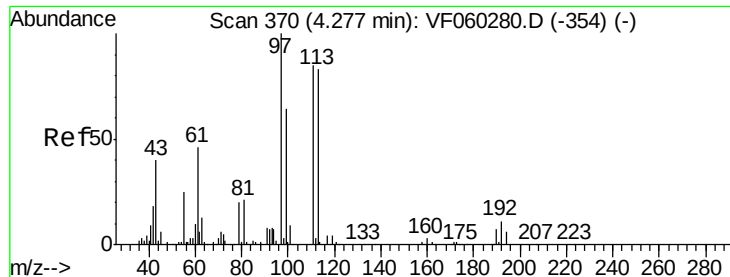


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 20.808 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

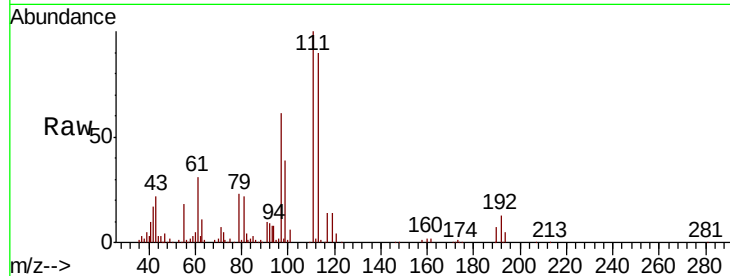
Tot Ion: 43 Resp: 46224

Ion Ratio Lower Upper

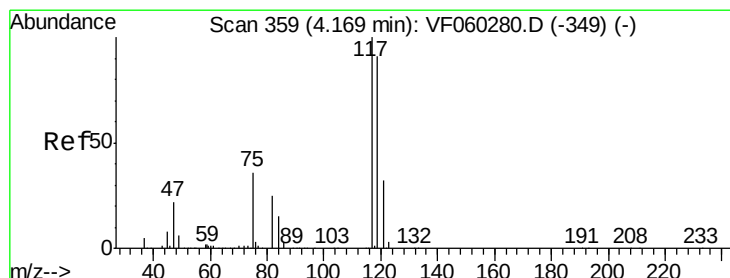
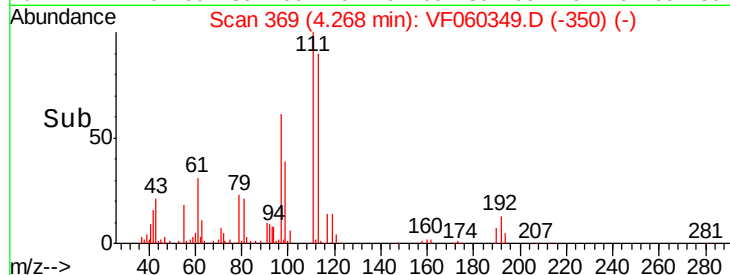
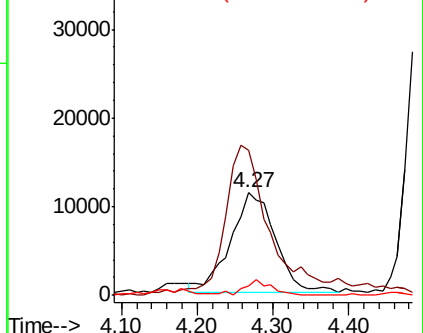
43 100

61 141.7 91.1 136.7#

70 9.7 6.9 10.3



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: 22.062 ug/l

RT: 4.16 min Scan# 358

Delta R.T. -0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

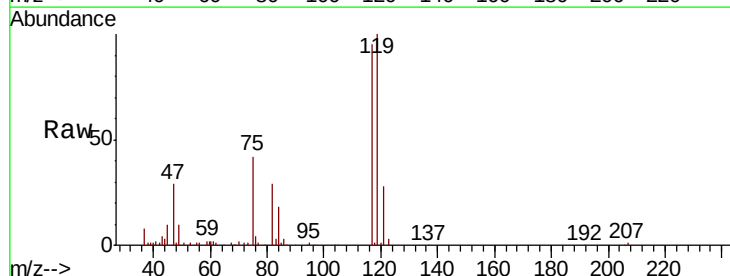
Tgt Ion:117 Resp: 124415

Ion Ratio Lower Upper

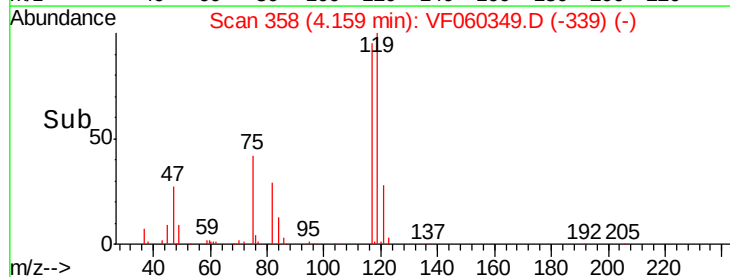
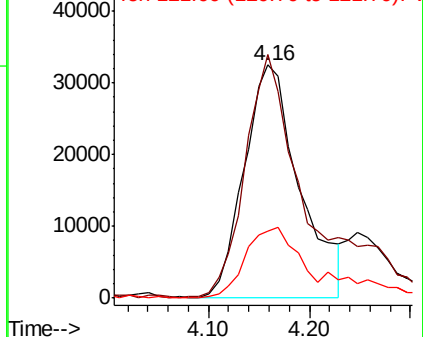
117 100

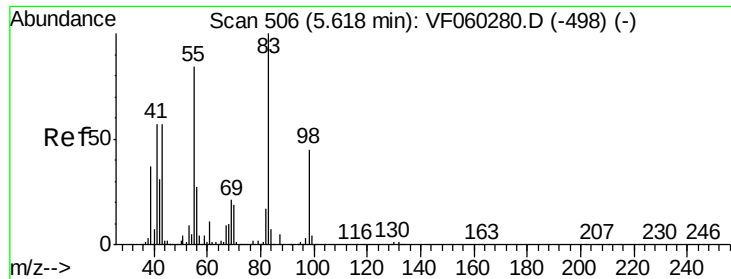
119 104.4 73.0 109.6

121 28.8 25.4 38.2



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

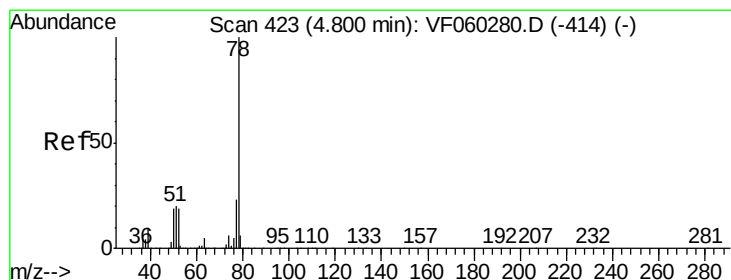
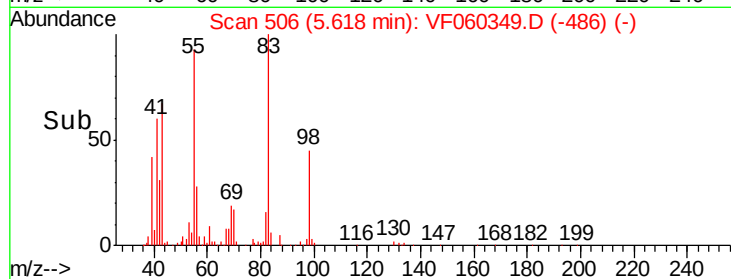
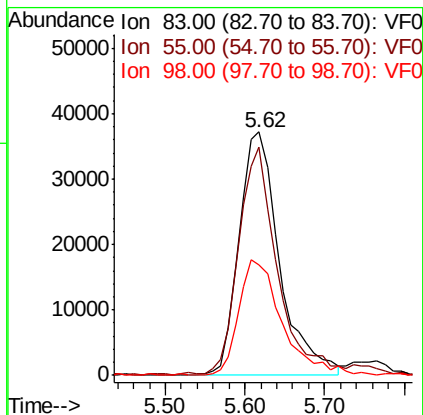
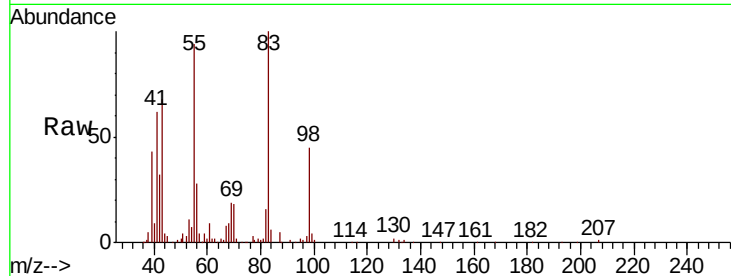




#39
Methylvlcyclohexane
Concen: 23.091 ug/l
RT: 5.62 min Scan# 506
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

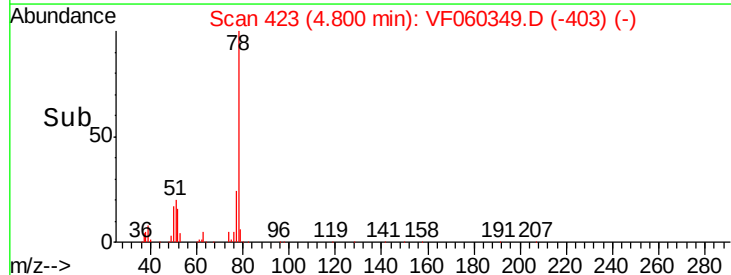
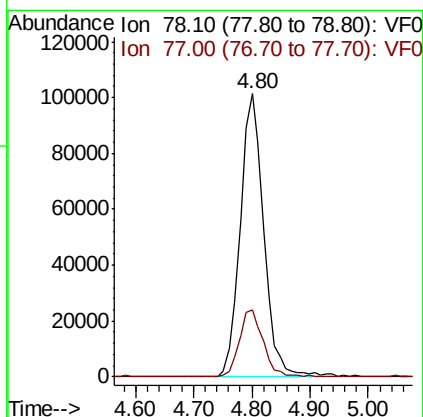
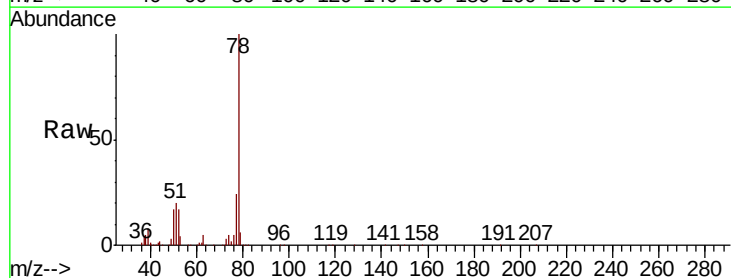
Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

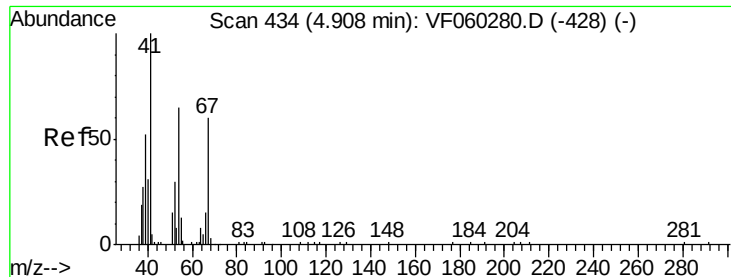
Tot Ion: 83 Resp: 131393
Ion Ratio Lower Upper
83 100
55 93.6 67.3 100.9
98 45.4 36.1 54.1



#40
Benzene
Concen: 24.025 ug/l
RT: 4.80 min Scan# 423
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Tgt Ion: 78 Resp: 286005
Ion Ratio Lower Upper
78 100
77 23.6 18.4 27.6

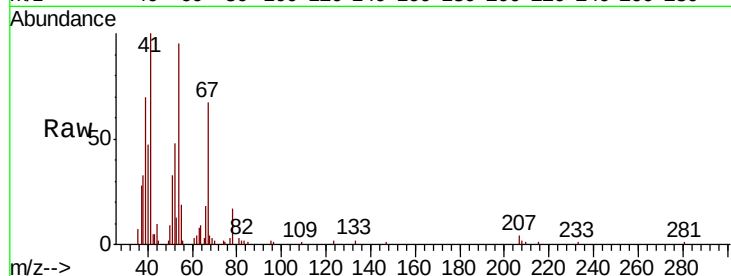




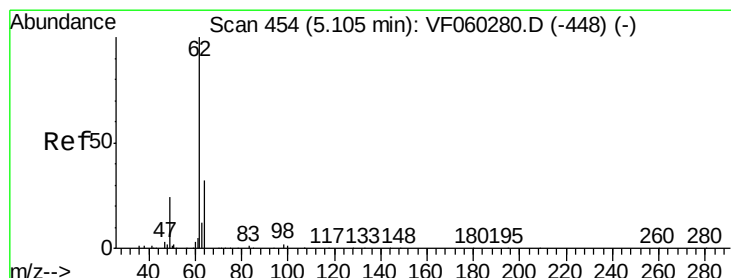
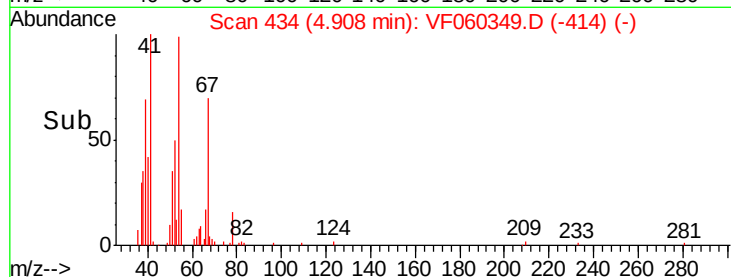
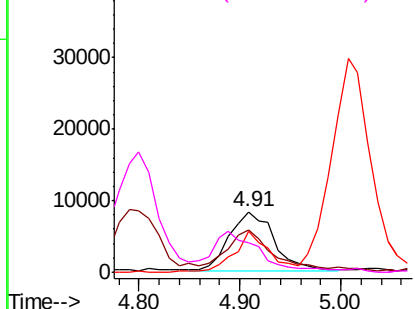
#41
Methacrylonitrile
Concen: 20.985 ug/l
RT: 4.91 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

Tot Ion:	41	Resp:	25296
Ion	Ratio	Lower	Upper
41	100		
39	70.1	49.1	73.7
67	67.2	48.2	72.4
52	47.6	35.8	53.8

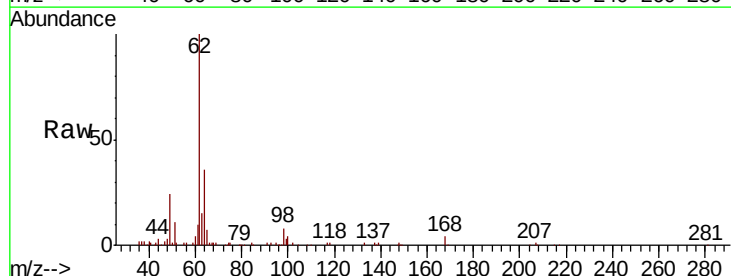


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

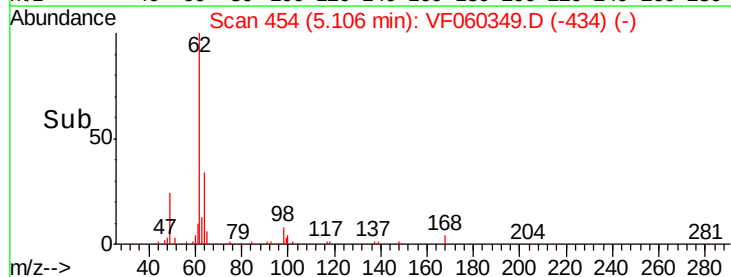
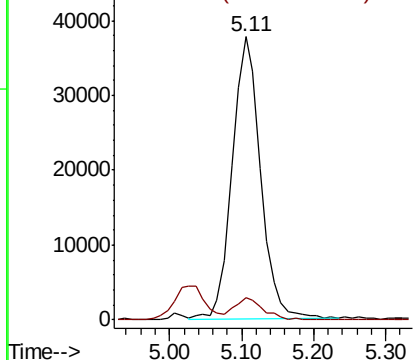


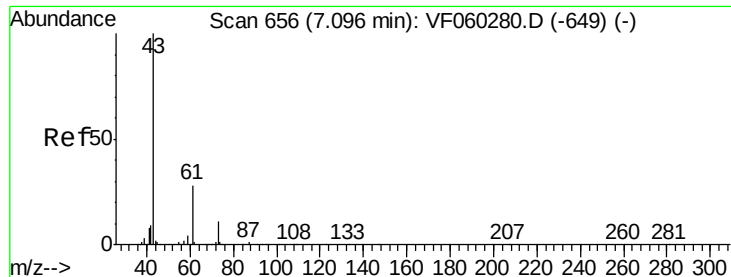
#42
1,2-Dichloroethane
Concen: 23.728 ug/l
RT: 5.11 min Scan# 454
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Tgt Ion:	62	Resp:	103974
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	14.4



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





#43

Isopropyl Acetate

Concen: 21.853 ug/l

RT: 7.11 min Scan# 657

Delta R.T. 0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

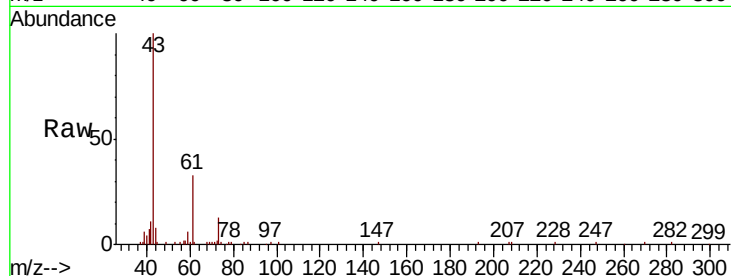
Tot Ion: 43 Resp: 58442

Ion Ratio Lower Upper

43 100

61 33.2 22.4 33.6

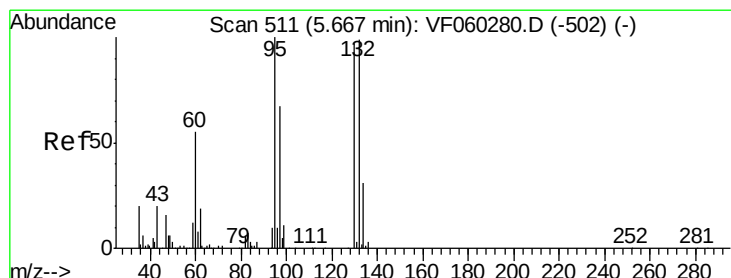
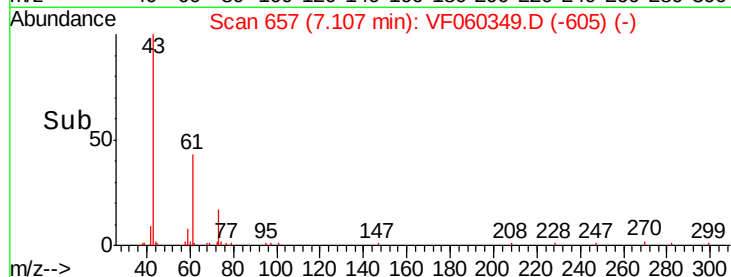
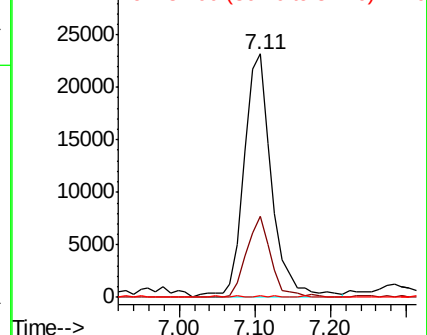
87 0.8 0.6 0.8



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: 23.748 ug/l

RT: 5.67 min Scan# 511

Delta R.T. 0.00 min

Lab File: VF060349.D

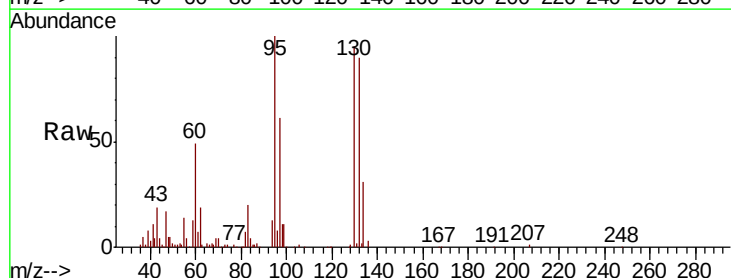
Acq: 26 Sep 2018 14:01

Tgt Ion: 130 Resp: 84137

Ion Ratio Lower Upper

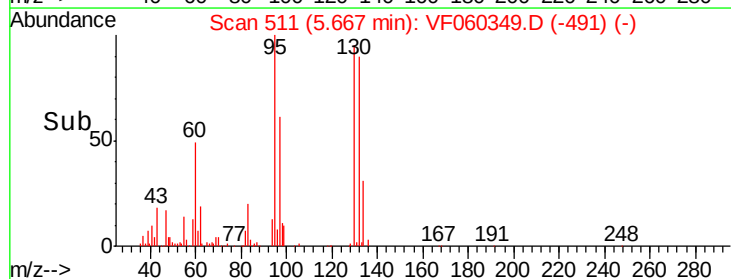
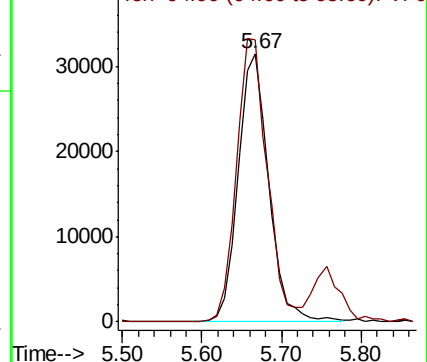
130 100

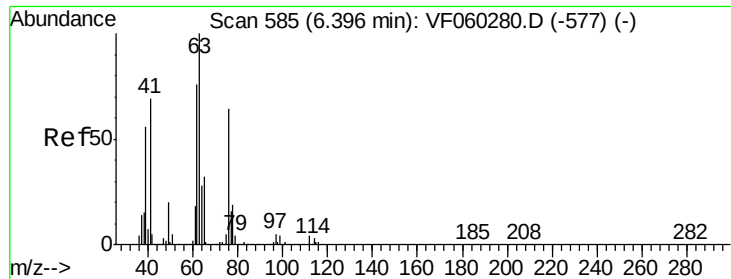
95 105.4 0.0 205.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 23.344 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

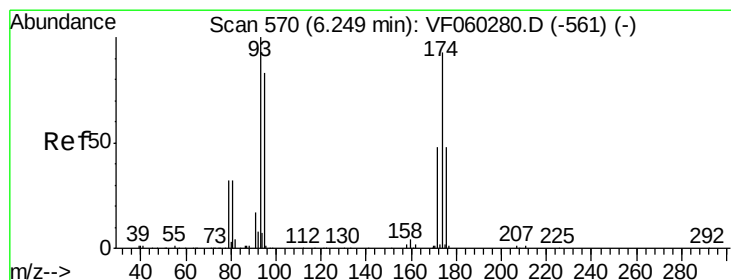
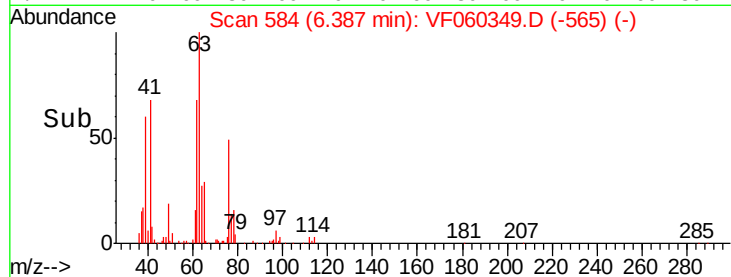
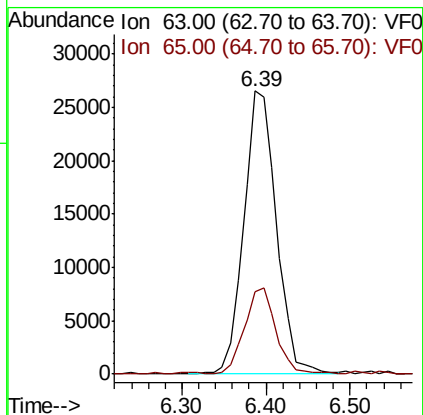
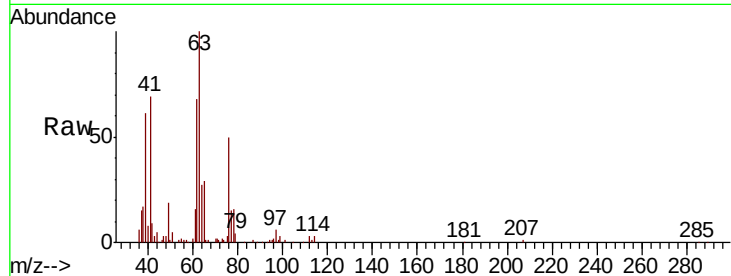
VF0926SBS01

Tot Ion: 63 Resp: 71924

Ion Ratio Lower Upper

63 100

65 29.3 26.2 39.4



#46

Dibromomethane

Concen: 22.276 ug/l

RT: 6.25 min Scan# 570

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

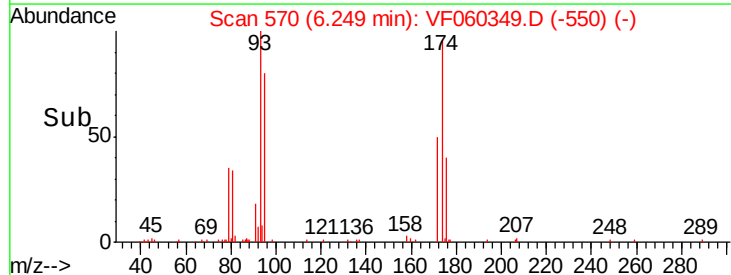
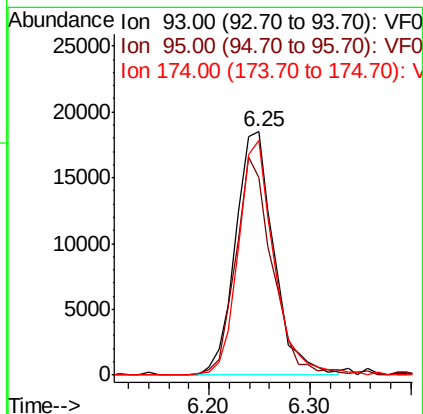
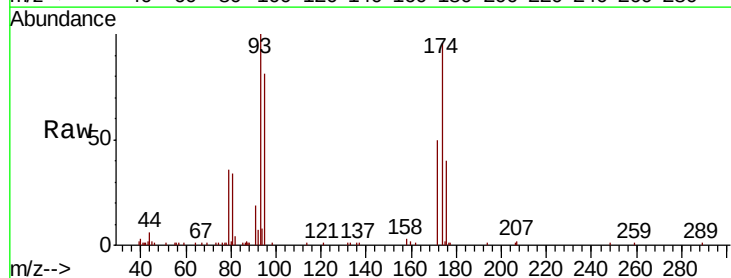
Tgt Ion: 93 Resp: 49058

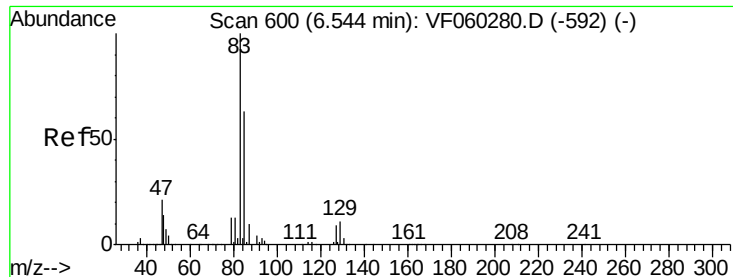
Ion Ratio Lower Upper

93 100

95 81.0 67.0 100.6

174 96.2 74.8 112.2





#47

Bromodichloromethane

Concen: 22.549 ug/l

RT: 6.53 min Scan# 599

Delta R.T. -0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

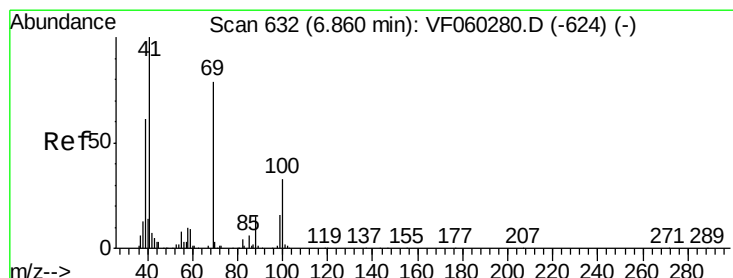
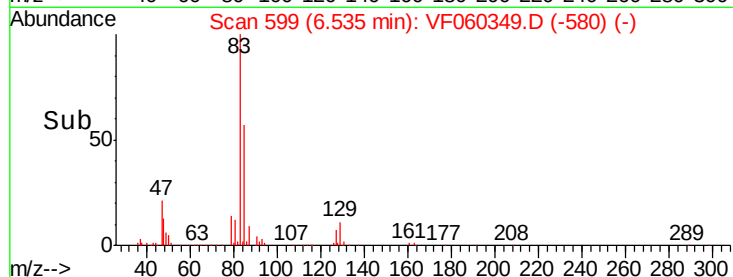
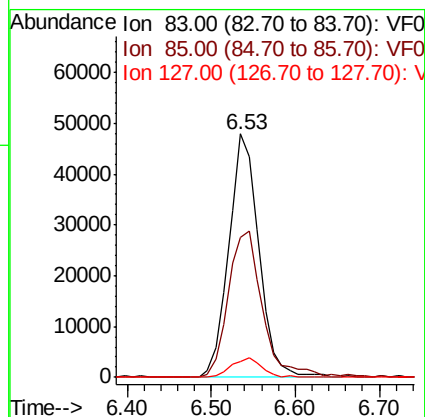
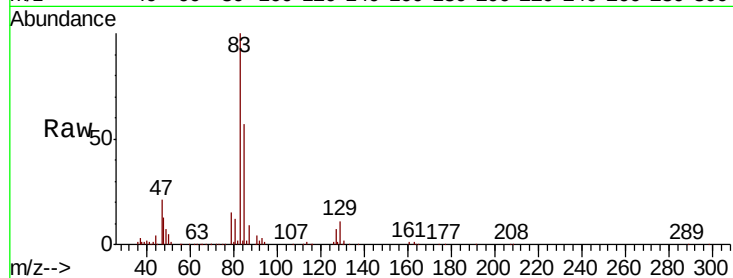
Tot Ion: 83 Resp: 119338

Ion Ratio Lower Upper

83 100

85 57.5 50.6 76.0

127 6.7 7.1 10.7#



#48

Methyl methacrylate

Concen: 19.887 ug/l

RT: 6.86 min Scan# 632

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

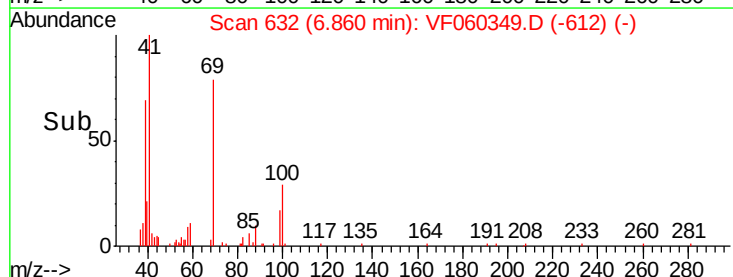
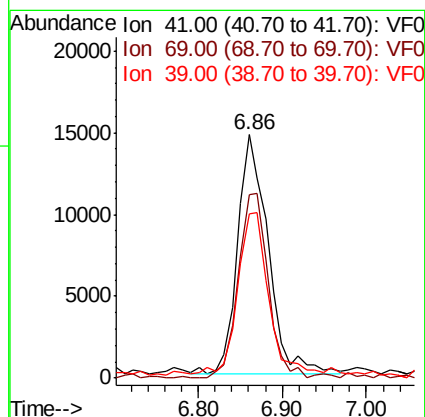
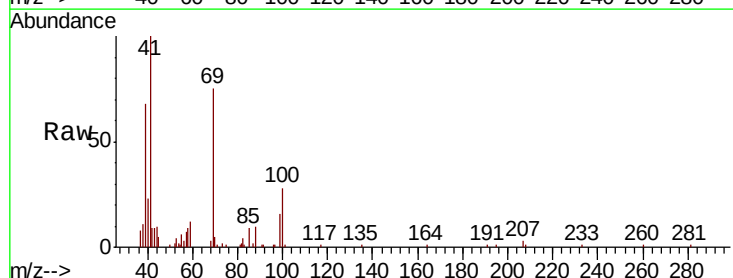
Tgt Ion: 41 Resp: 37334

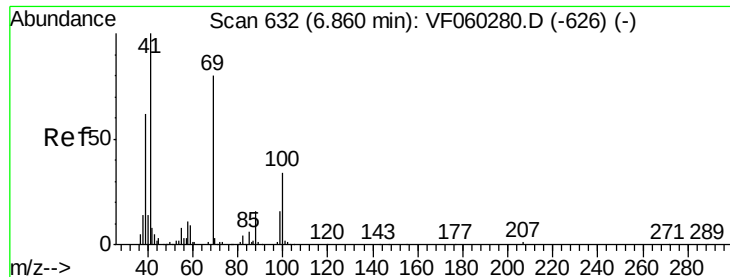
Ion Ratio Lower Upper

41 100

69 75.3 62.6 94.0

39 67.5 49.1 73.7

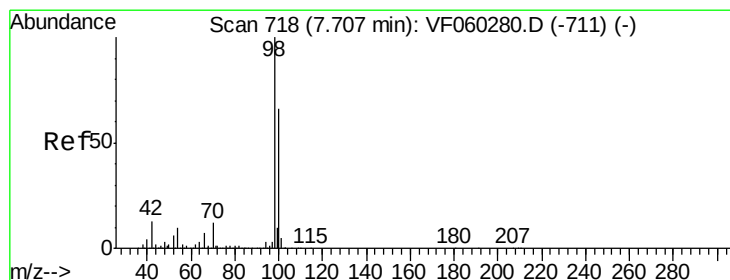
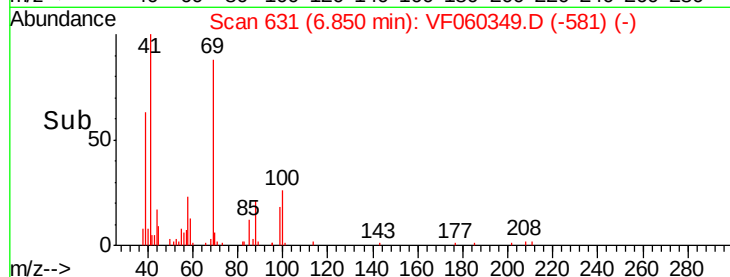
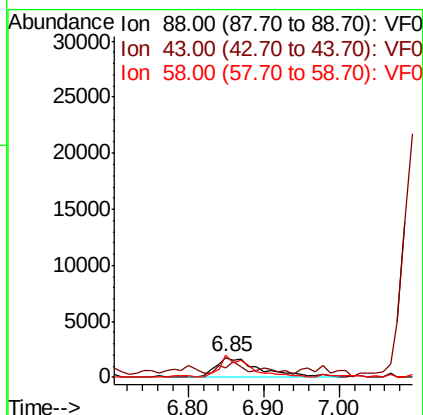
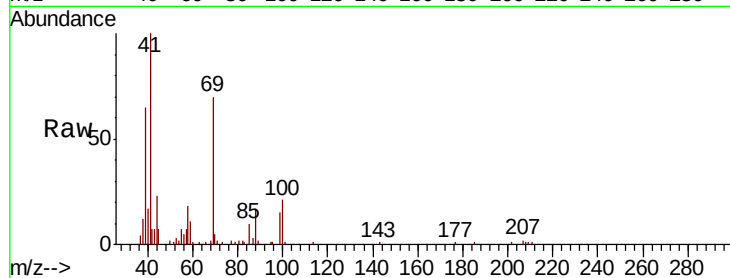




#49
 1,4-Dioxane
 Concen: 427.022 ug/l
 RT: 6.85 min Scan# 631
 Delta R.T. -0.01 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

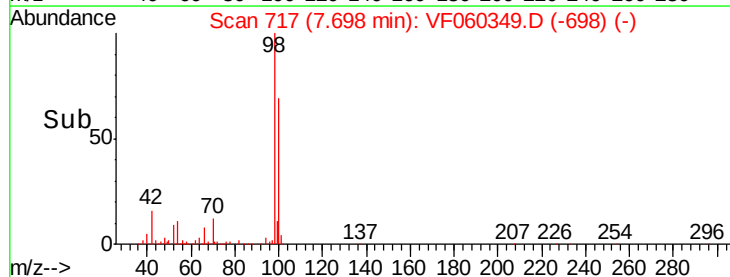
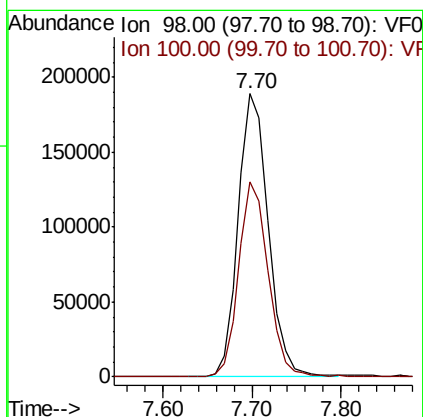
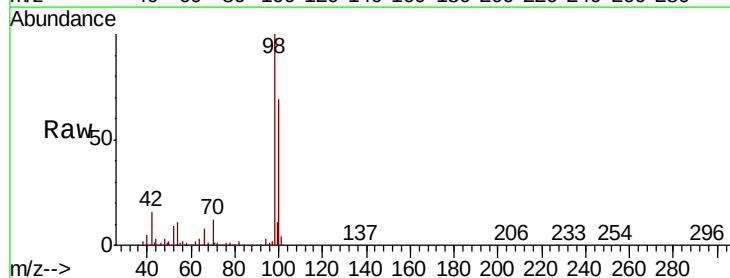
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBS01

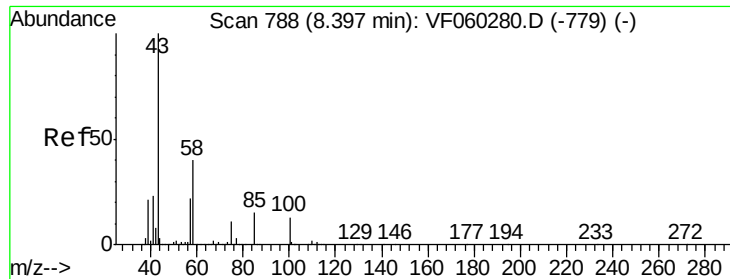
Tot Ion: 88 Resp: 7162
 Ion Ratio Lower Upper
 88 100
 43 44.2 40.2 60.4
 58 107.4 56.7 85.1#



#50
 Toluene-d8
 Concen: 45.463 ug/l
 RT: 7.70 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

Tgt Ion: 98 Resp: 444226
 Ion Ratio Lower Upper
 98 100
 100 68.9 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 102.319 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

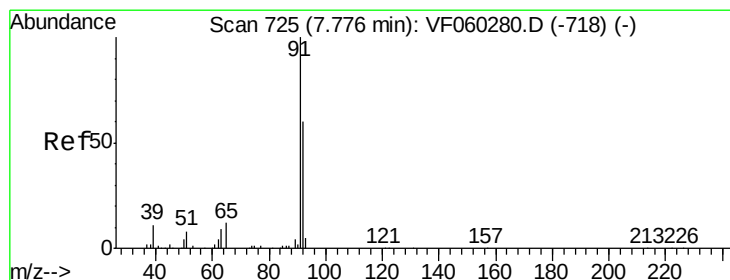
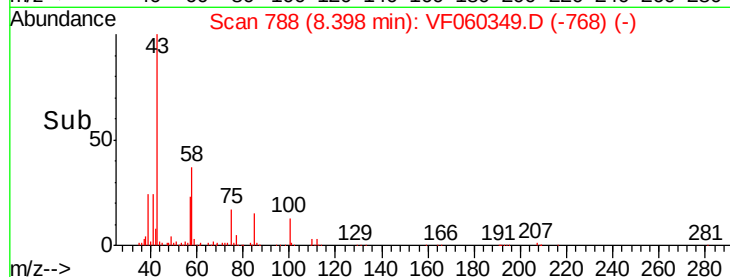
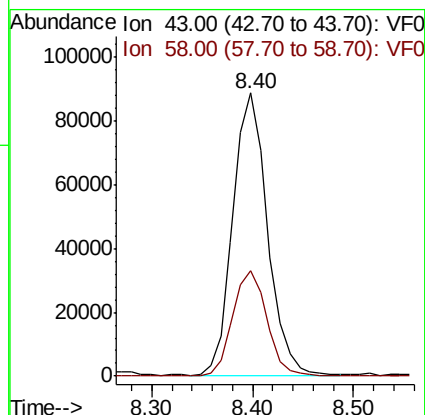
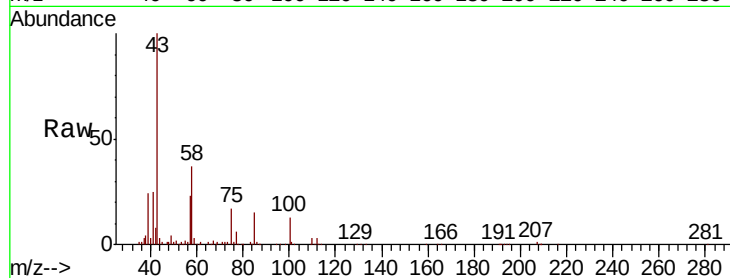
VF0926SBS01

Tot Ion: 43 Resp: 210905

Ion Ratio Lower Upper

43 100

58 37.1 31.8 47.8



#52

Toluene

Concen: 22.813 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060349.D

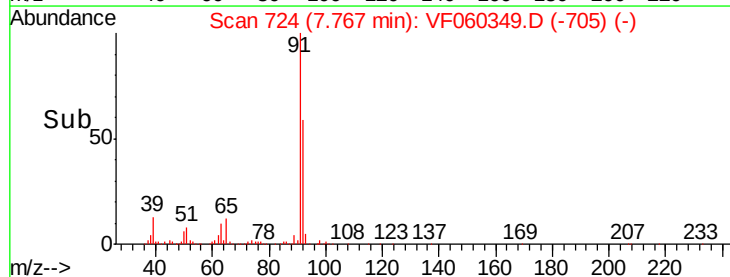
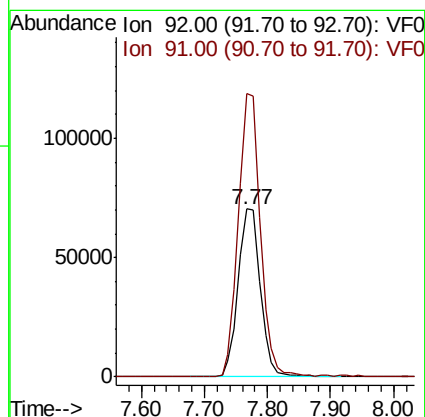
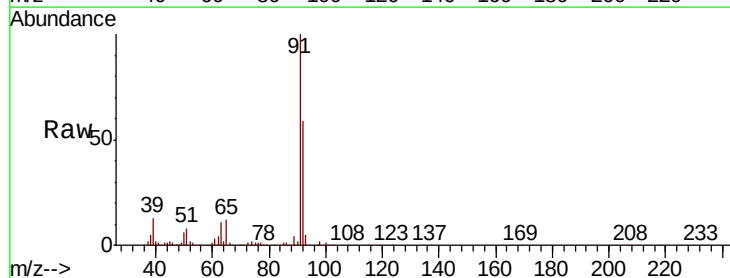
Acq: 26 Sep 2018 14:01

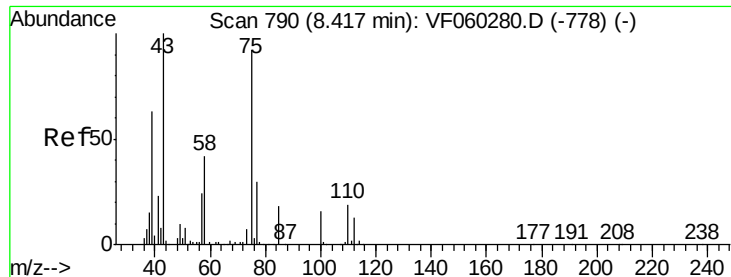
Tgt Ion: 92 Resp: 171807

Ion Ratio Lower Upper

92 100

91 168.9 133.3 199.9

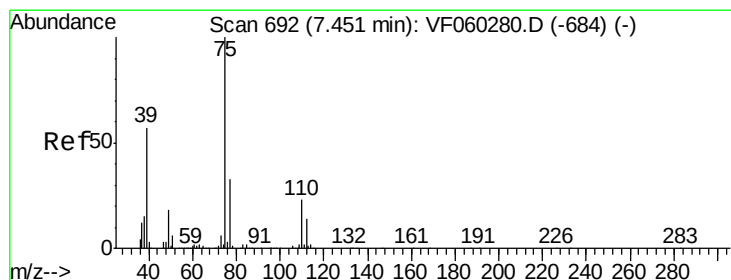
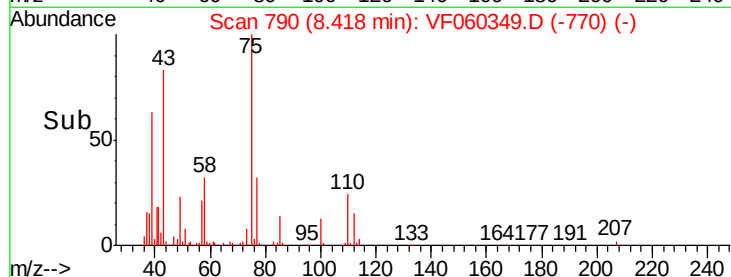
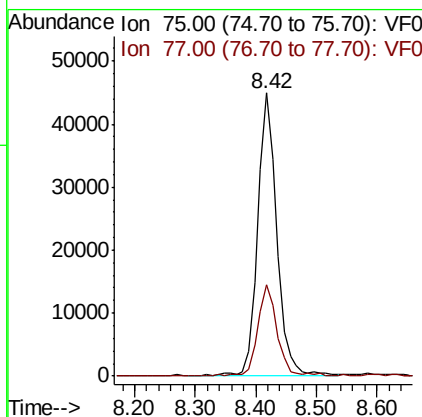
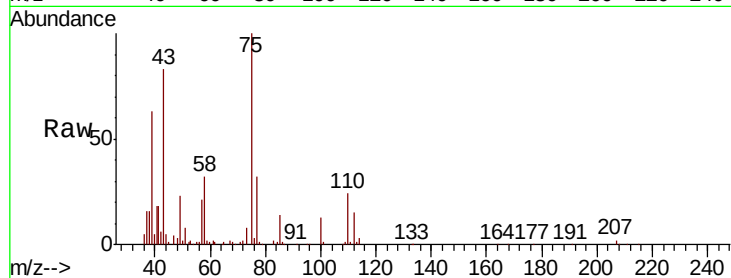




#53
t-1,3-Dichloropropene
Concen: 23.274 ug/l
RT: 8.42 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

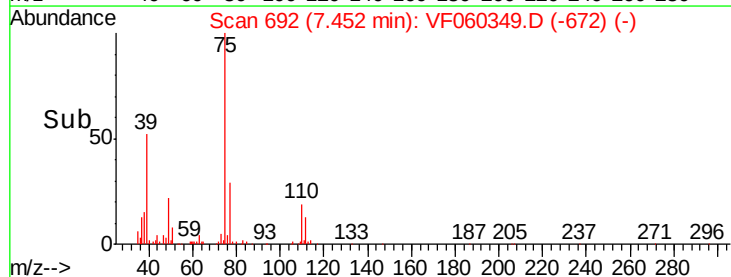
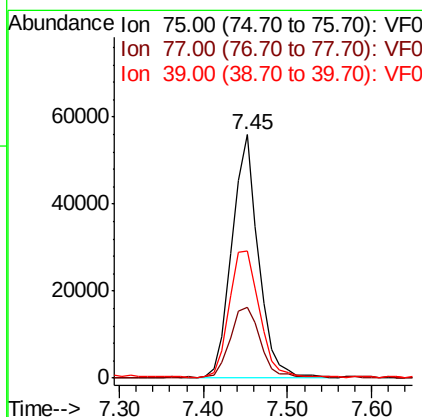
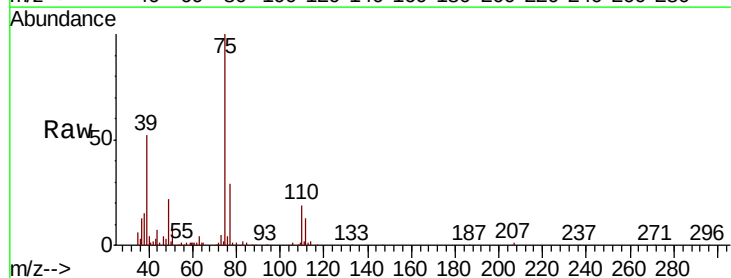
Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

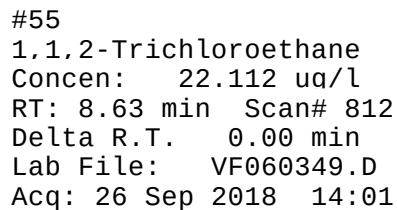
Tot Ion: 75 Resp: 99357
Ion Ratio Lower Upper
75 100
77 32.2 25.9 38.9



#54
cis-1,3-Dichloropropene
Concen: 22.958 ug/l
RT: 7.45 min Scan# 692
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

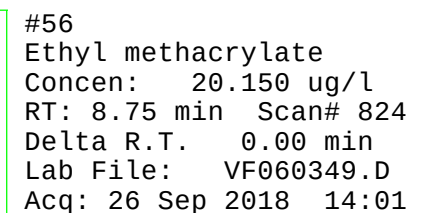
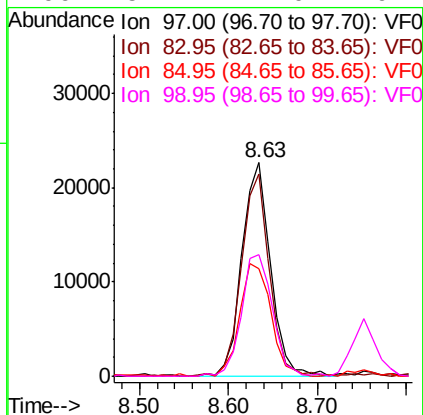
Tgt Ion: 75 Resp: 123471
Ion Ratio Lower Upper
75 100
77 29.0 26.3 39.5
39 52.3 46.1 69.1



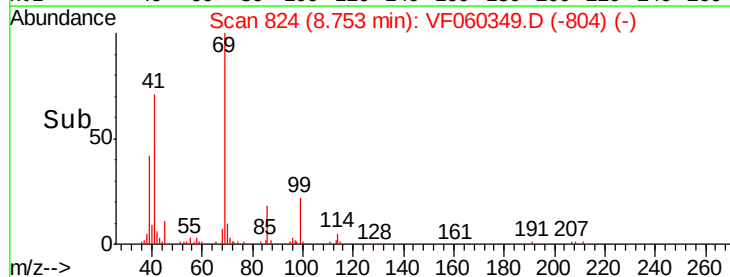
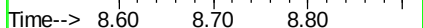
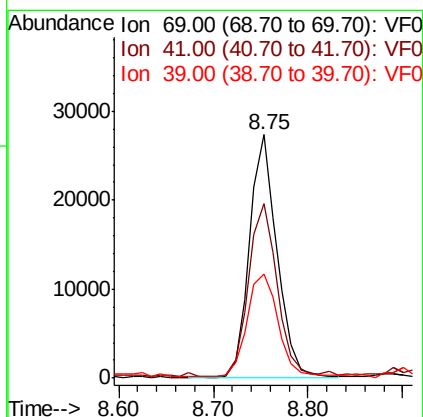


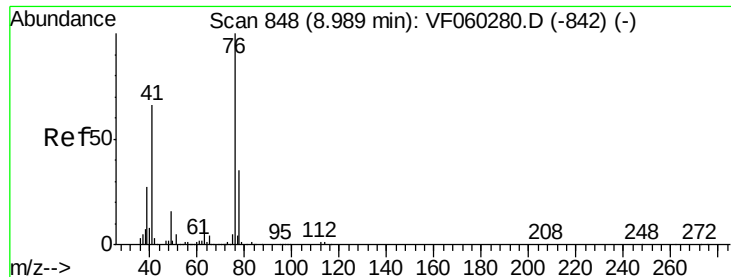
Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

Tat	Ion: 97	Resp:	50543
Ion	Ratio	Lower	Upper
97	100		
83	94.8	65.3	97.9
85	50.3	44.7	67.1
99	57.1	47.0	70.4



Tgt	Ion: 69	Resp:	55626
Ion	Ratio	Lower	Upper
69	100		
41	71.6	59.4	89.2
39	42.6	33.5	50.3





#57

1,3-Dichloropropane

Concen: 23.152 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

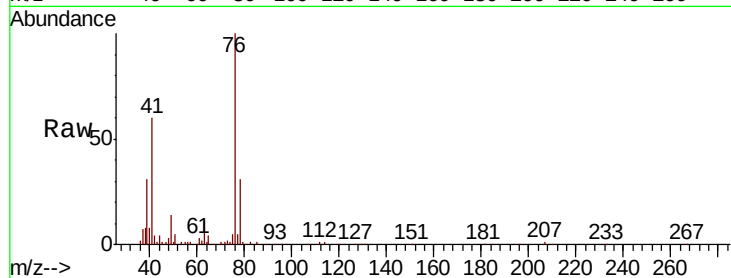
VF0926SBS01

Tot Ion: 76 Resp: 87626

Ion Ratio Lower Upper

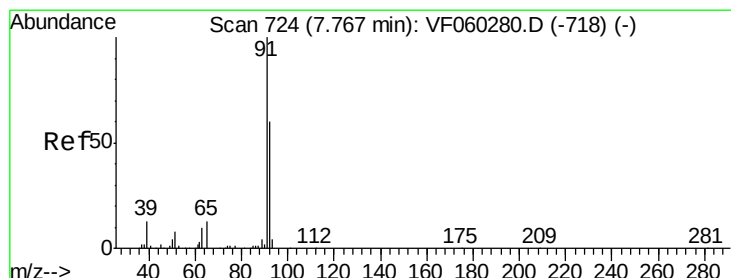
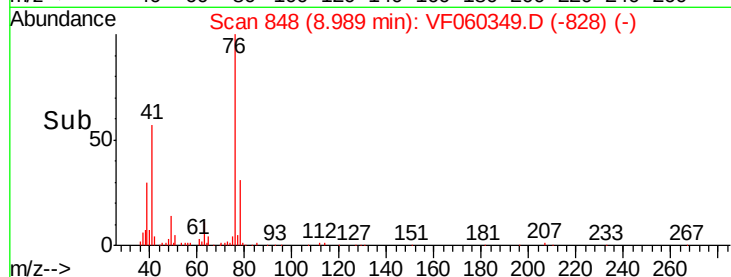
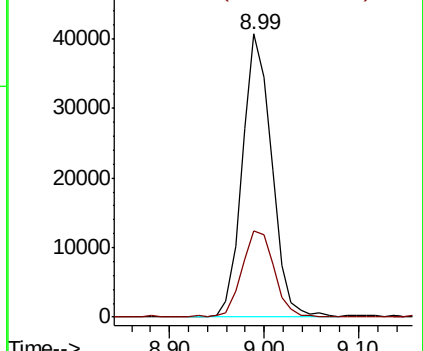
76 100

78 30.7 28.2 42.2



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 117.551 ug/l

RT: 7.77 min Scan# 724

Delta R.T. 0.00 min

Lab File: VF060349.D

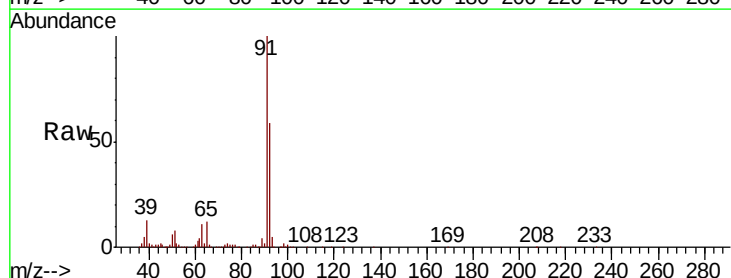
Acq: 26 Sep 2018 14:01

Tgt Ion: 63 Resp: 28688

Ion Ratio Lower Upper

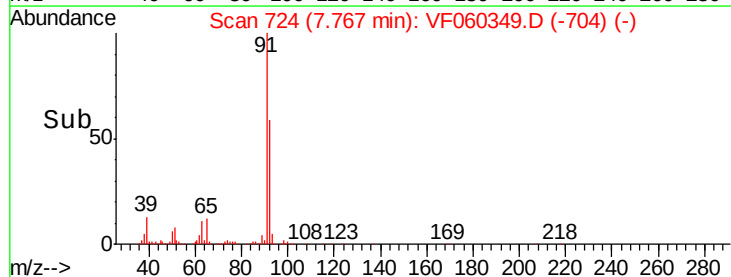
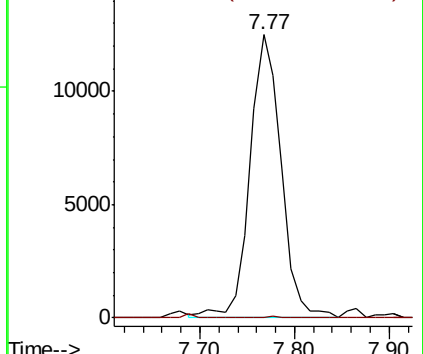
63 100

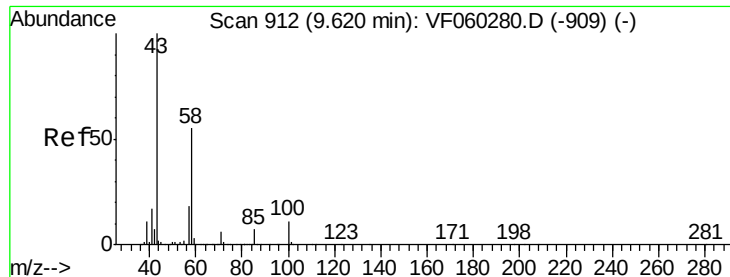
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

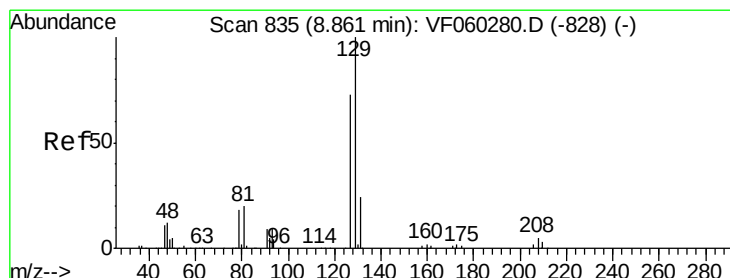
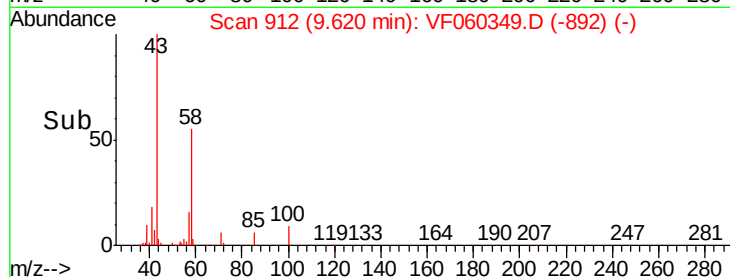
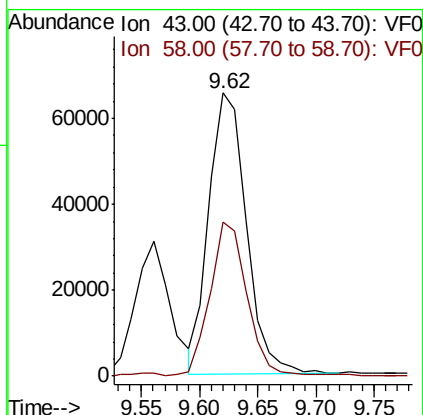
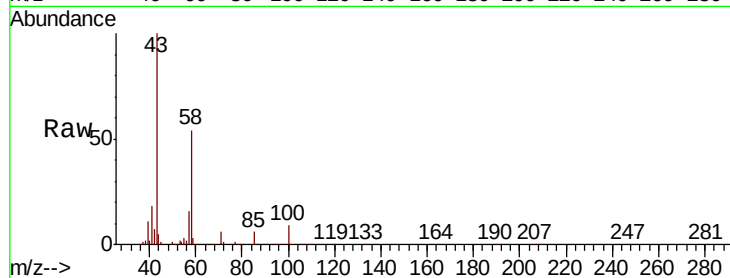




#59
2-Hexanone
Concen: 99.337 ug/l
RT: 9.62 min Scan# 912
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

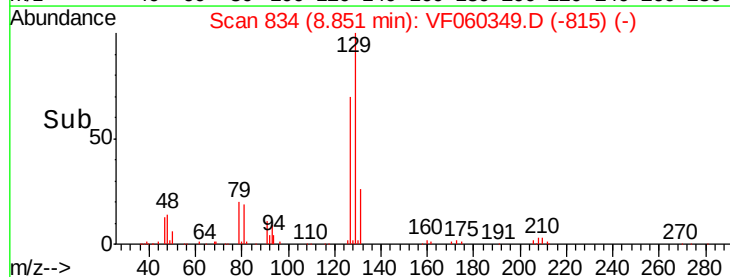
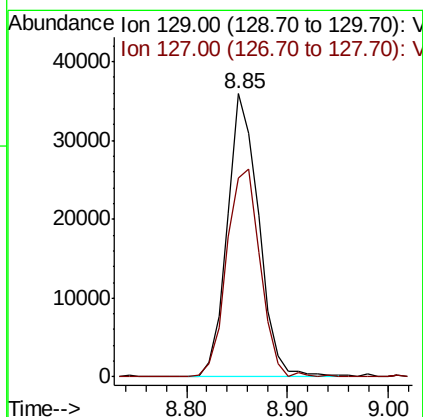
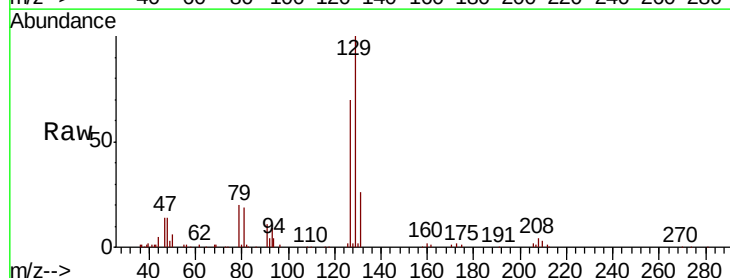
Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

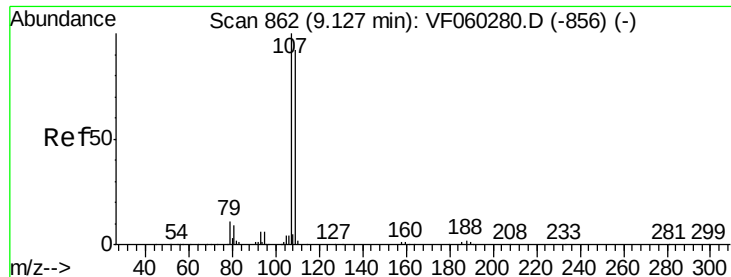
Tot Ion: 43 Resp: 145789
Ion Ratio Lower Upper
43 100
58 54.4 25.9 77.6



#60
Dibromochloromethane
Concen: 22.807 ug/l
RT: 8.85 min Scan# 834
Delta R.T. -0.01 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Tgt Ion: 129 Resp: 77700
Ion Ratio Lower Upper
129 100
127 70.3 36.6 109.8





#61

1,2-Dibromoethane

Concen: 22.711 ug/l

RT: 9.13 min Scan# 862

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

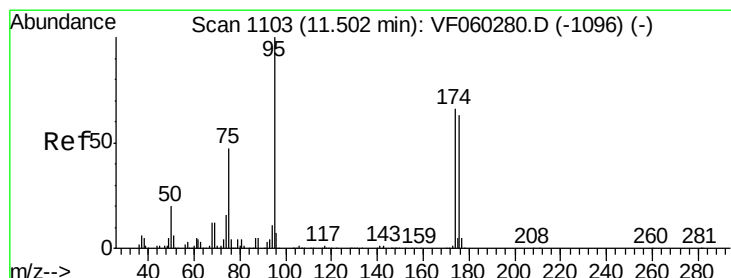
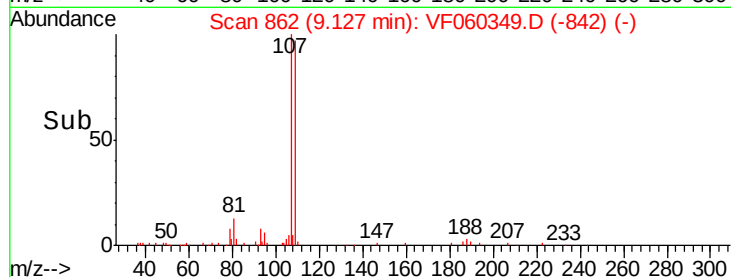
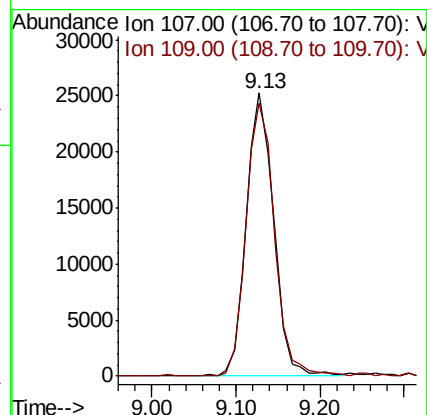
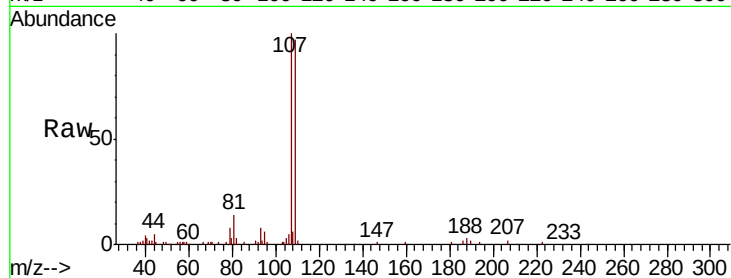
VF0926SBS01

Tot Ion:107 Resp: 57807

Ion Ratio Lower Upper

107 100

109 96.5 73.2 109.8



#62

4-Bromofluorobenzene

Concen: 49.872 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

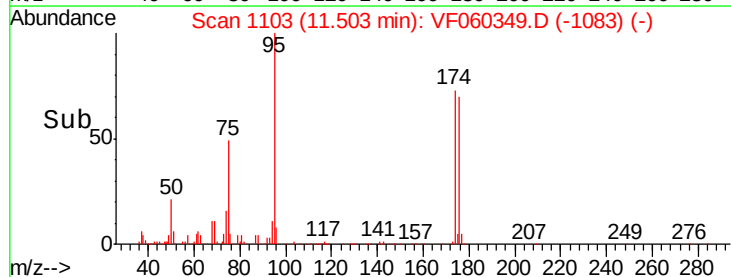
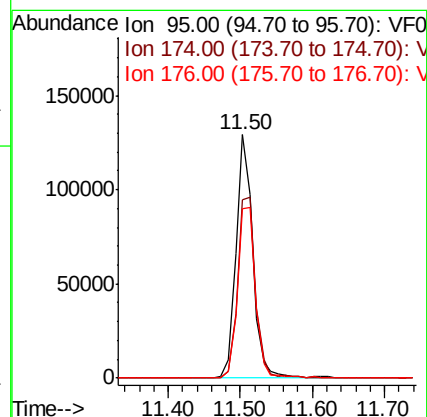
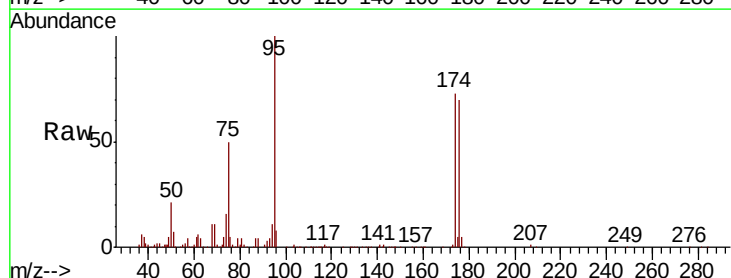
Tgt Ion: 95 Resp: 210648

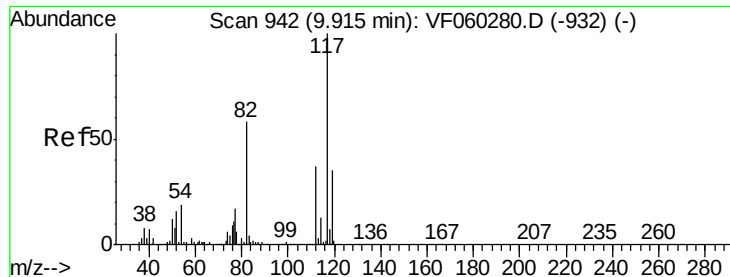
Ion Ratio Lower Upper

95 100

174 73.5 0.0 131.2

176 69.8 0.0 126.6

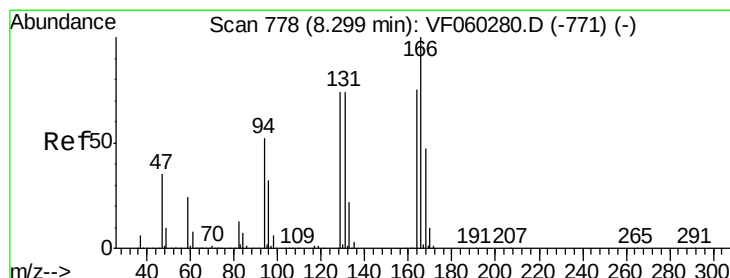
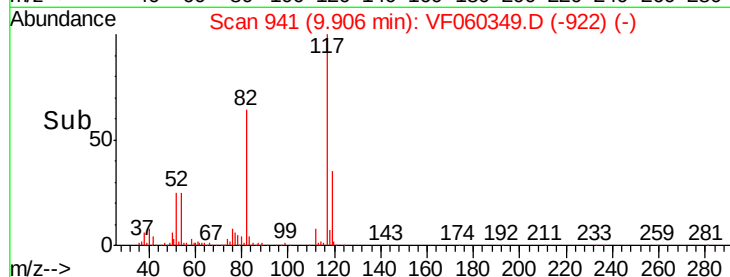
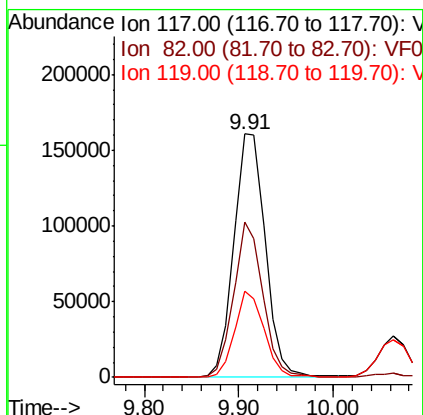
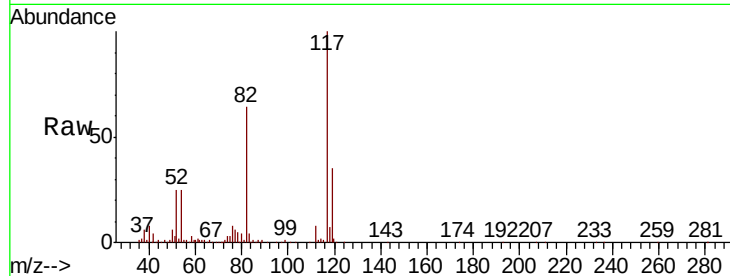




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

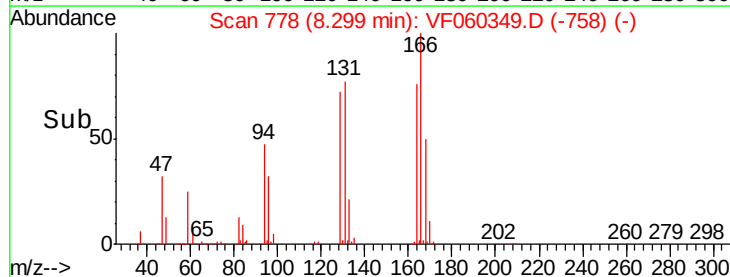
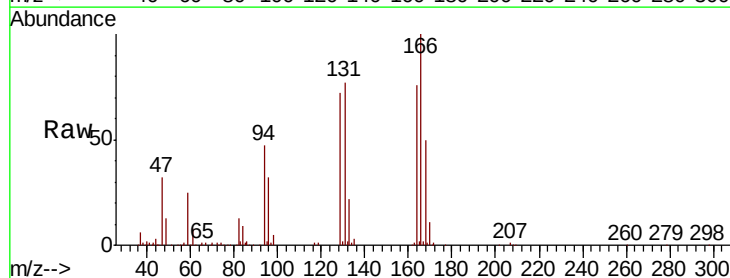
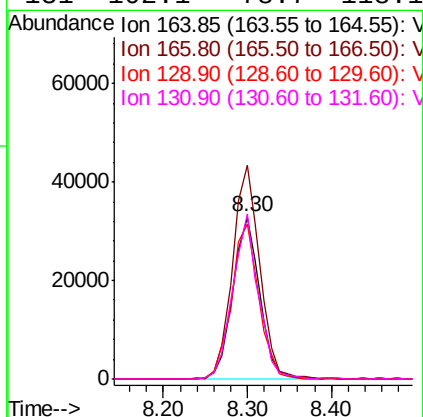
Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

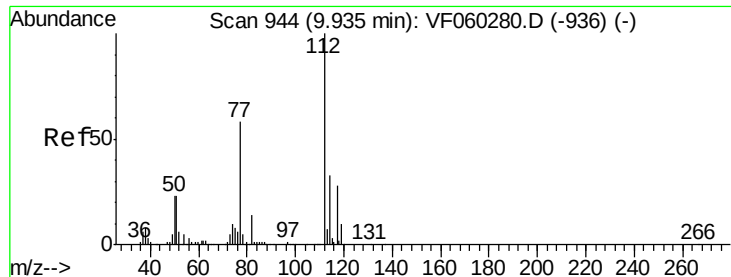
Tot Ion	Ratio	Lower	Upper
117	100		
82	63.6	46.2	69.2
119	35.3	27.8	41.6



#64
Tetrachloroethene
Concen: 21.658 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.2	106.8	160.2
129	95.5	78.8	118.2
131	102.1	78.7	118.1

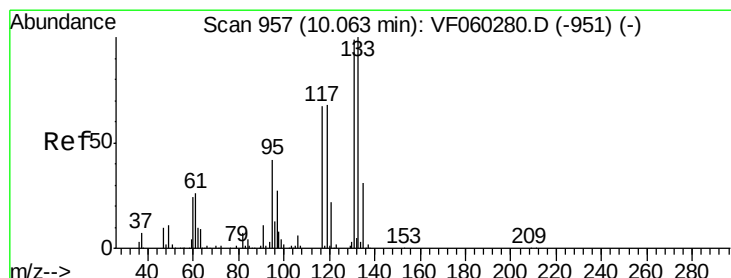
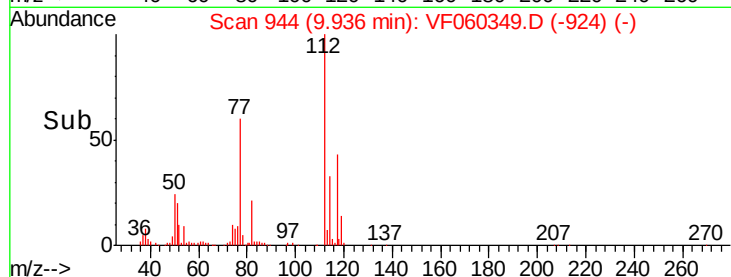
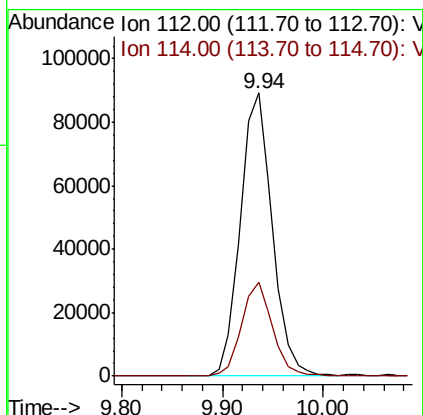
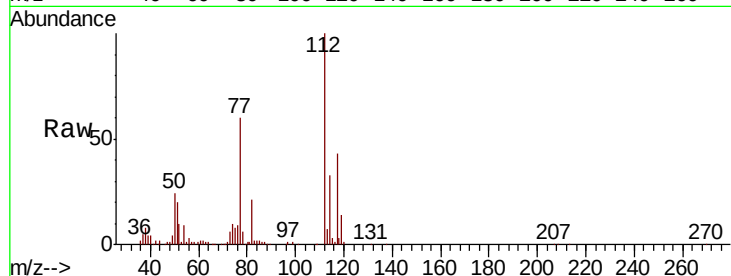




#65
Chlorobenzene
Concen: 23.359 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

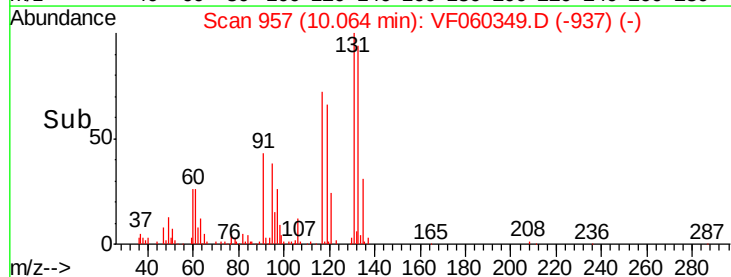
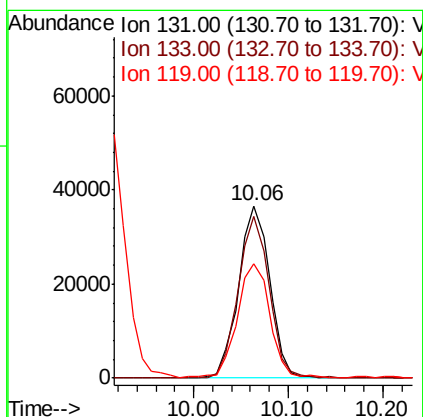
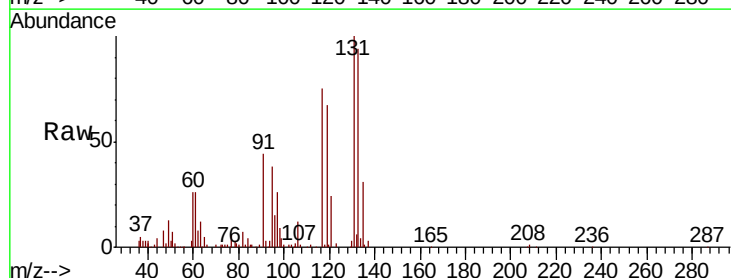
Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

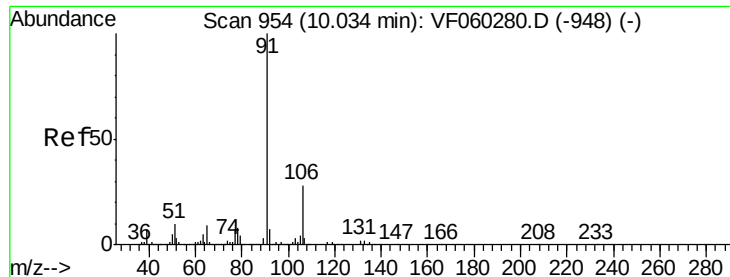
Tot Ion:112 Resp: 197035
Ion Ratio Lower Upper
112 100
114 33.3 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 23.924 ug/l
RT: 10.06 min Scan# 957
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Tgt Ion:131 Resp: 83745
Ion Ratio Lower Upper
131 100
133 93.7 50.4 151.2
119 66.6 34.8 104.3





#67

Ethyl Benzene

Concen: 23.410 ug/l

RT: 10.03 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

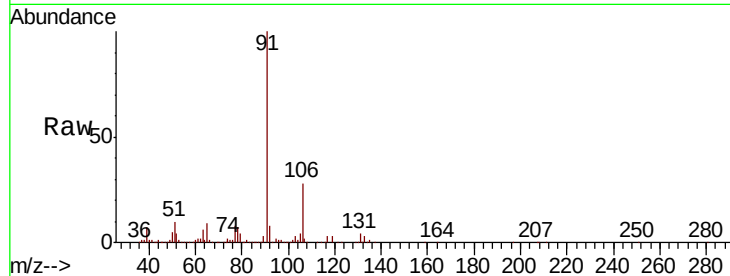
VF0926SBS01

Tot Ion: 91 Resp: 365095

Ion Ratio Lower Upper

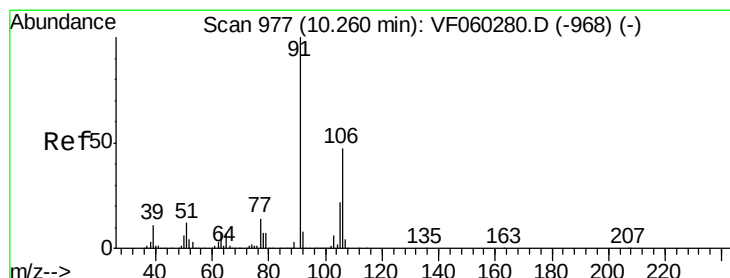
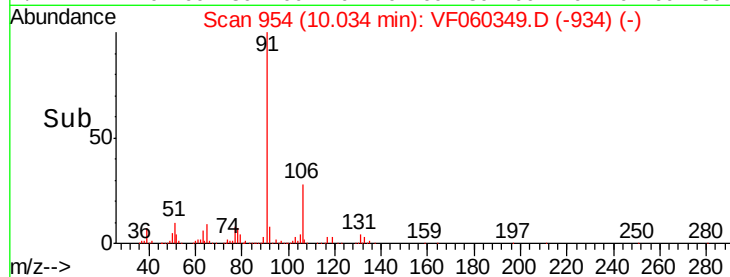
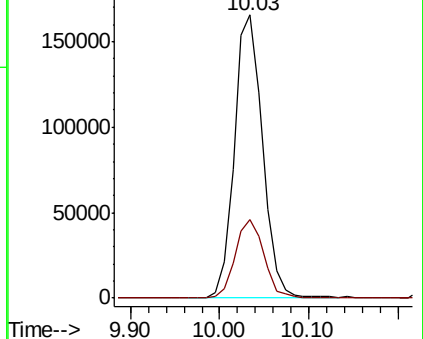
91 100

106 27.7 22.7 34.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 46.950 ug/l

RT: 10.26 min Scan# 977

Delta R.T. 0.00 min

Lab File: VF060349.D

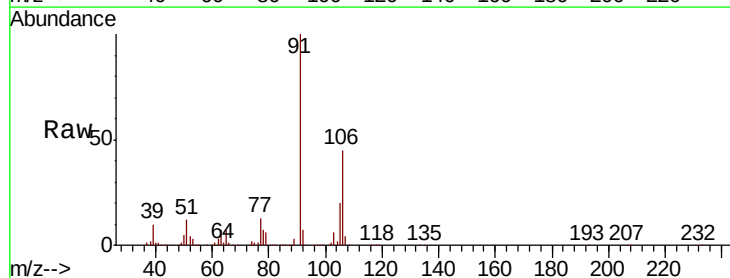
Acq: 26 Sep 2018 14:01

Tgt Ion:106 Resp: 252980

Ion Ratio Lower Upper

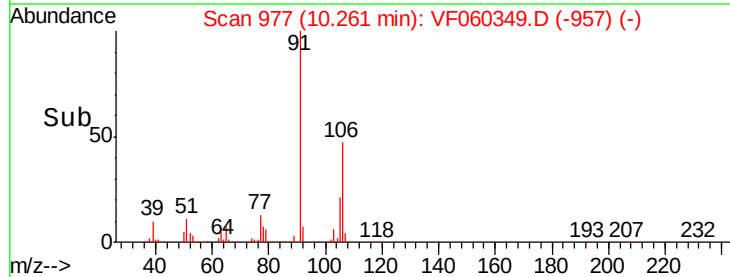
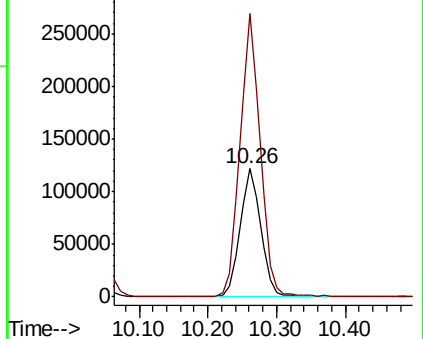
106 100

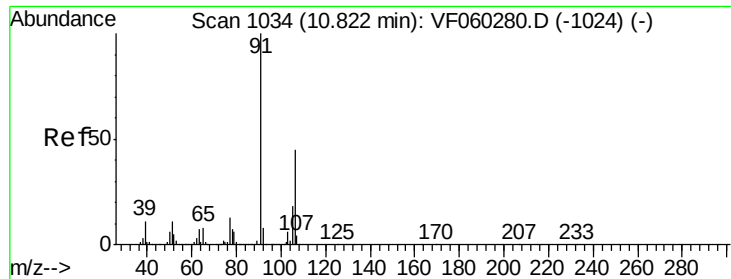
91 220.3 172.3 258.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

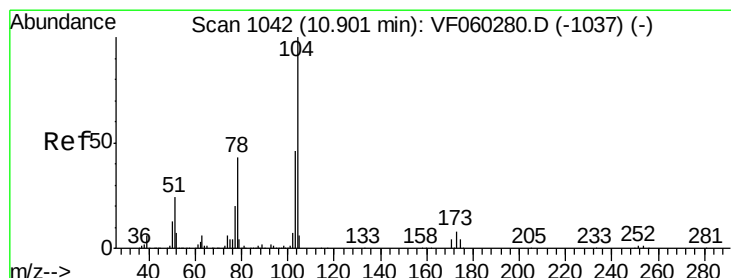
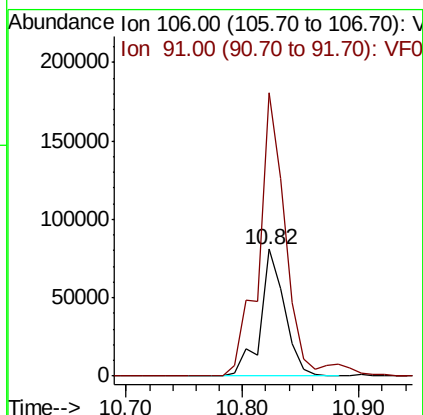
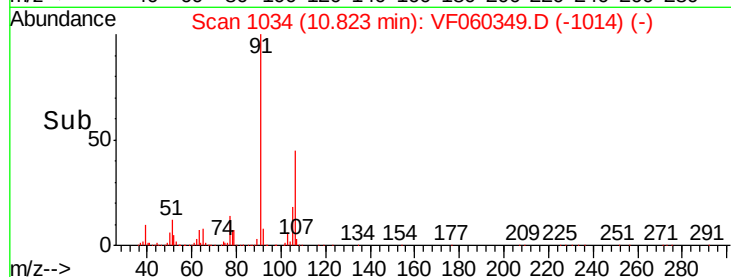
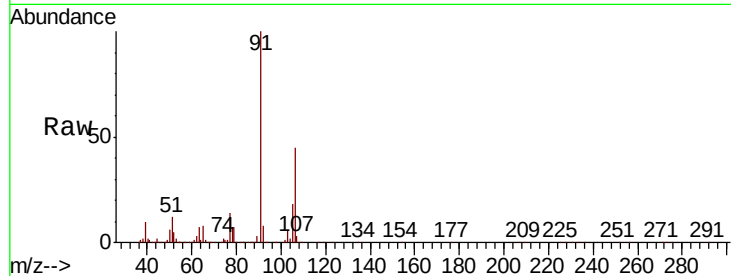




#69
o-Xylene
Concen: 19.346 ug/l
RT: 10.82 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

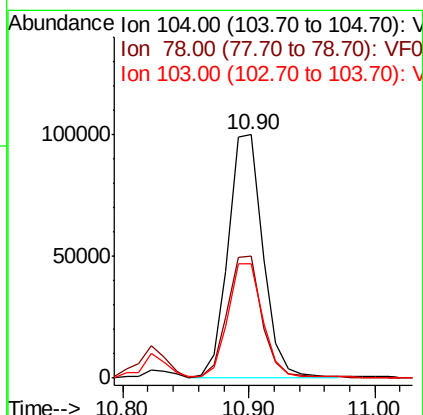
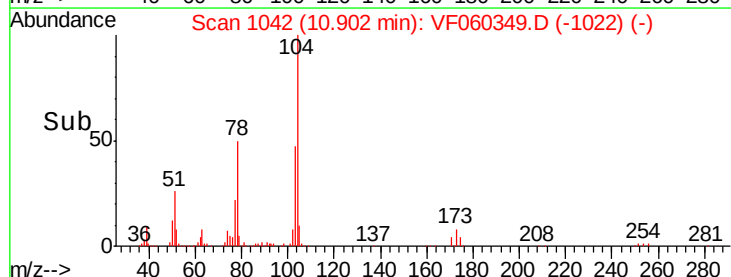
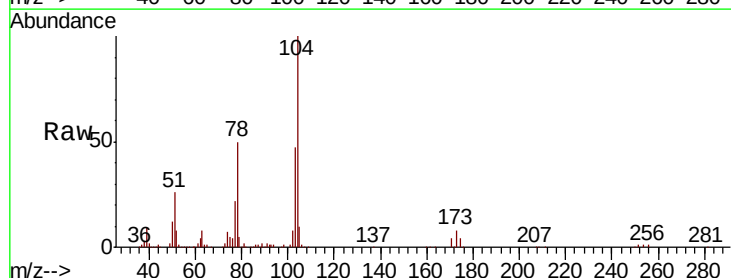
Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

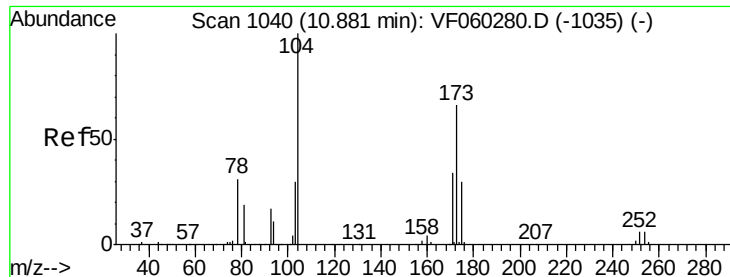
Tot Ion:106 Resp: 116921
Ion Ratio Lower Upper
106 100
91 223.4 110.9 332.6



#70
Styrene
Concen: 22.372 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Tgt Ion:104 Resp: 190676
Ion Ratio Lower Upper
104 100
78 49.9 35.0 52.6
103 46.8 37.4 56.0





#71

Bromoform

Concen: 22.357 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

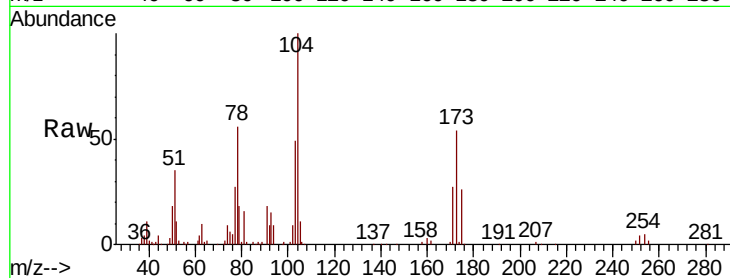
Tot Ion:173 Resp: 42982

Ion Ratio Lower Upper

173 100

175 48.1 22.3 66.9

254 0.0 0.0 0.0

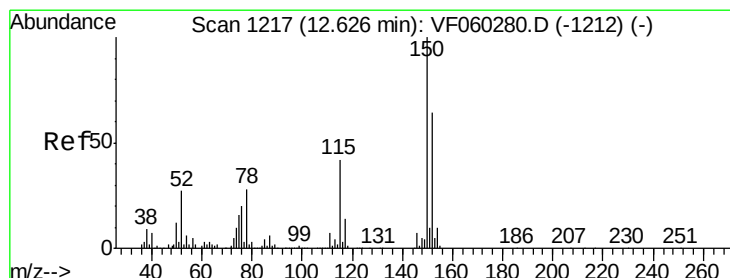
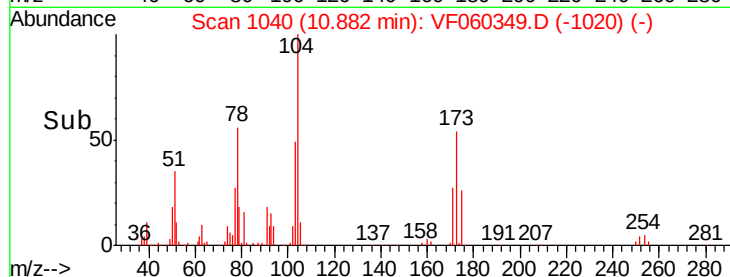
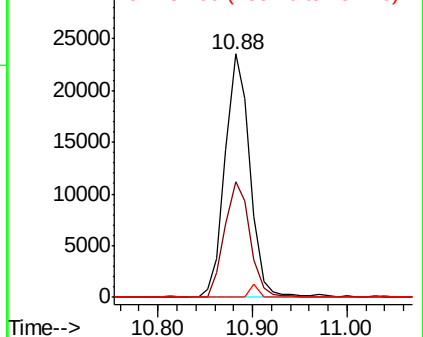


Abundance

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: VF060349.D

Acq: 26 Sep 2018 14:01

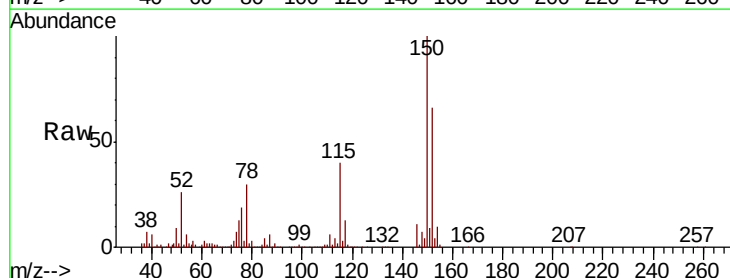
Tgt Ion:152 Resp: 191729

Ion Ratio Lower Upper

152 100

115 60.5 32.6 97.8

150 151.1 0.0 314.2

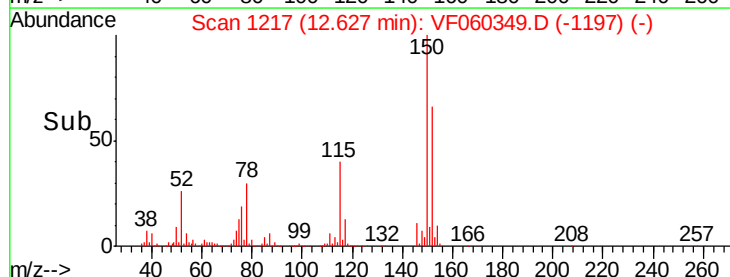
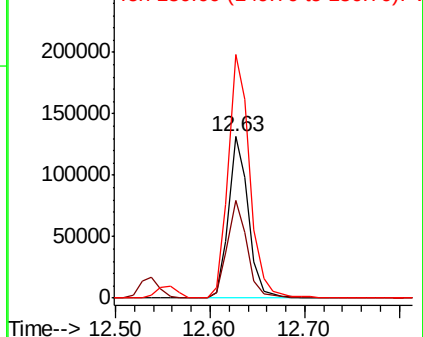


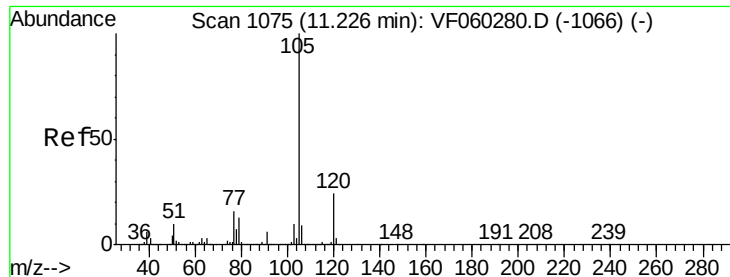
Abundance

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: 24.081 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

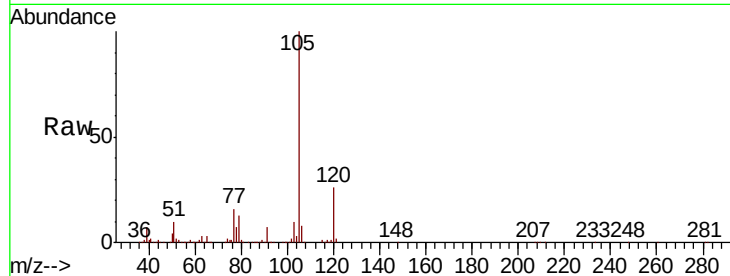
VF0926SBS01

Tot Ion:105 Resp: 414479

Ion Ratio Lower Upper

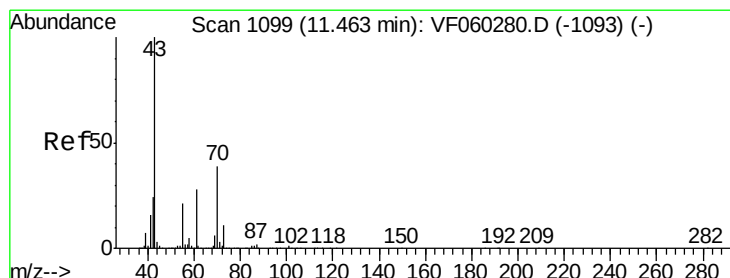
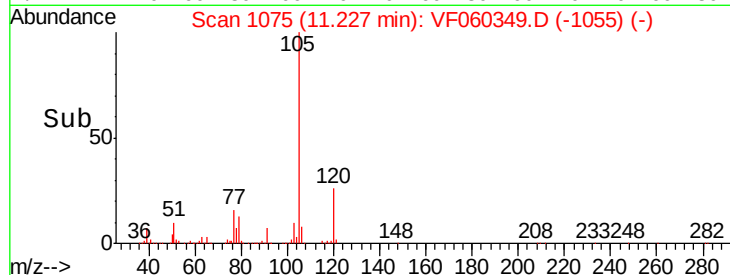
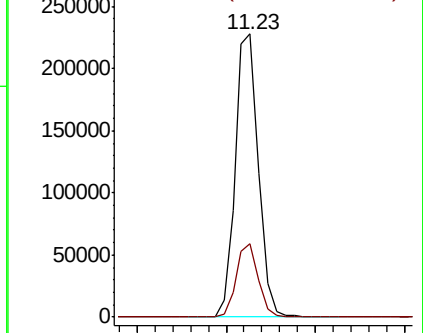
105 100

120 26.0 12.2 36.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.094 ug/l

RT: 11.46 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Tgt Ion: 43 Resp: 84762

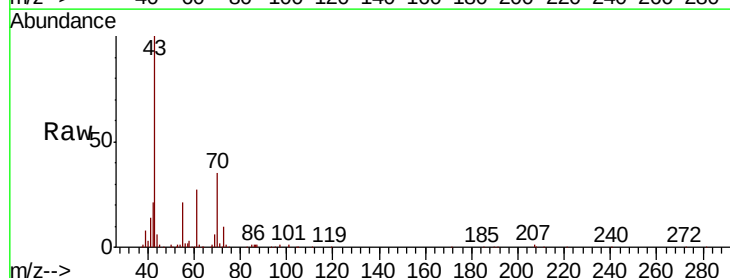
Ion Ratio Lower Upper

43 100

70 34.6 31.4 47.2

55 20.9 16.8 25.2

61 27.4 22.6 34.0

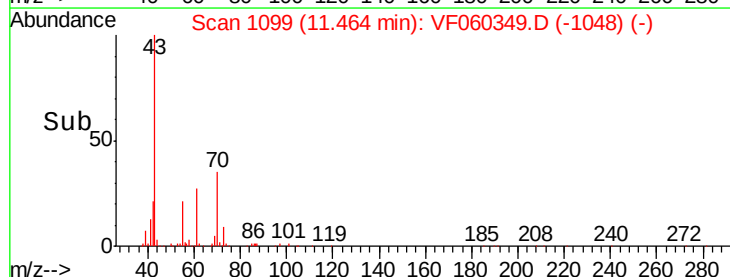
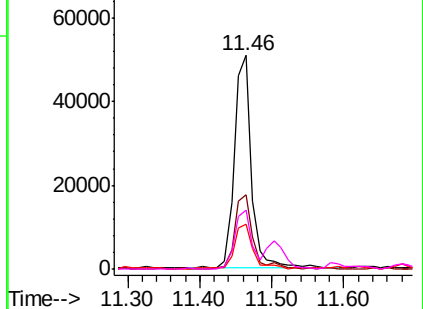


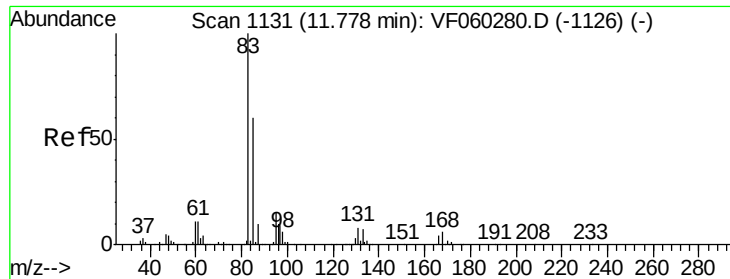
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 22.958 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

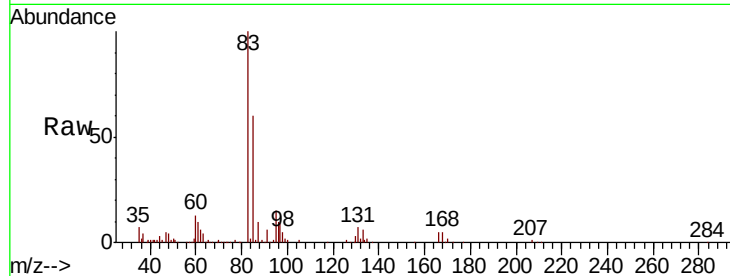
Tot Ion: 83 Resp: 70031

Ion Ratio Lower Upper

83 100

131 7.2 4.2 12.4

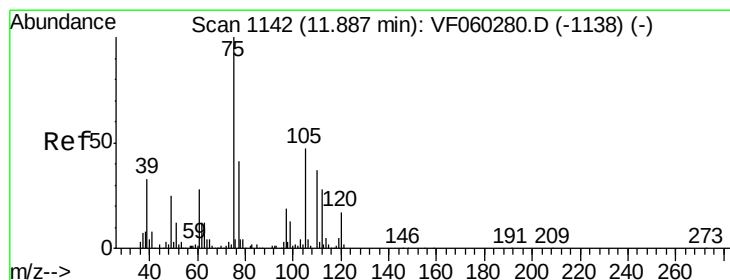
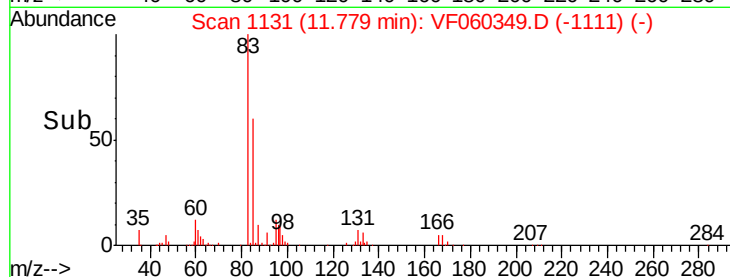
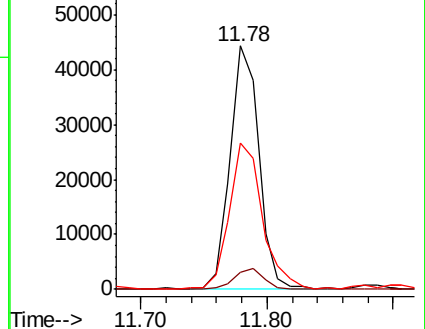
85 60.2 30.1 90.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 22.479 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060349.D

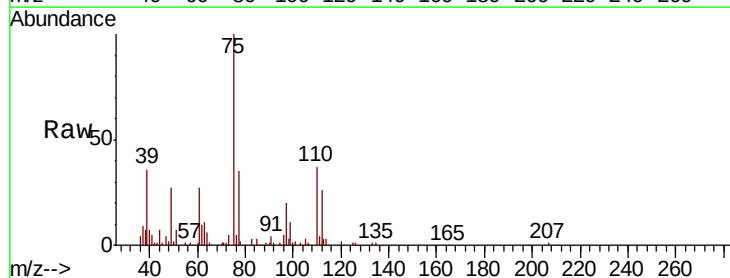
Acq: 26 Sep 2018 14:01

Tgt Ion: 75 Resp: 49096

Ion Ratio Lower Upper

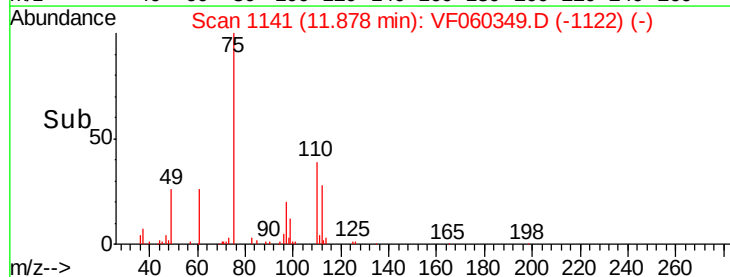
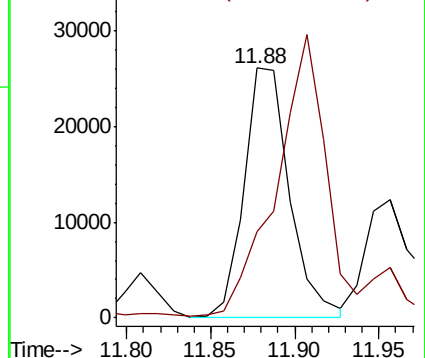
75 100

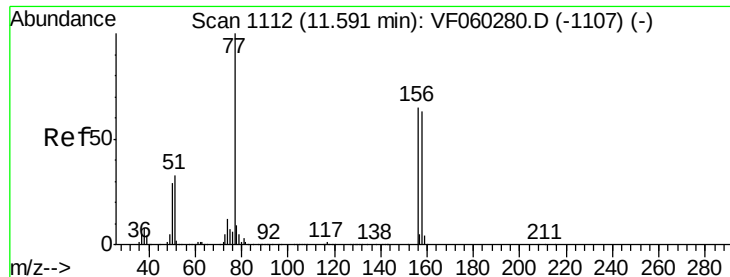
77 34.5 20.5 61.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

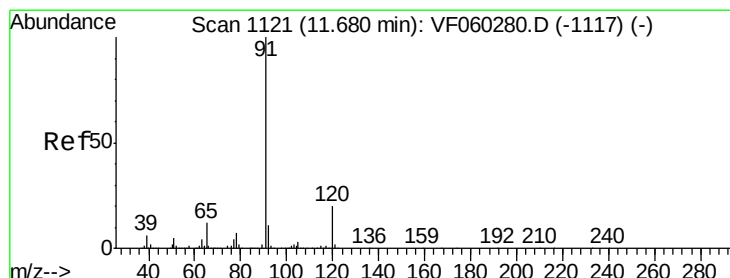
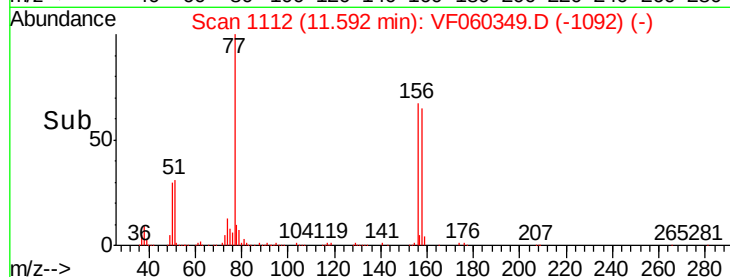
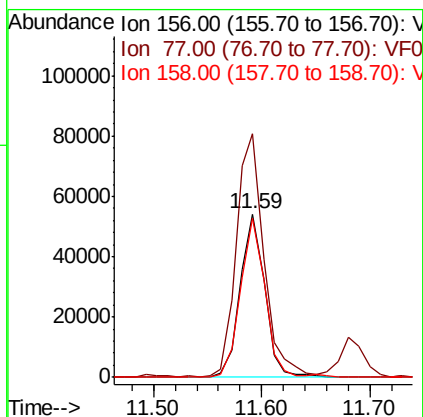
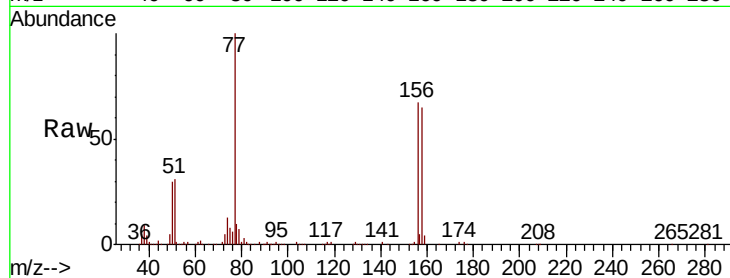




#77
Bromobenzene
Concen: 23.050 ug/l
RT: 11.59 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

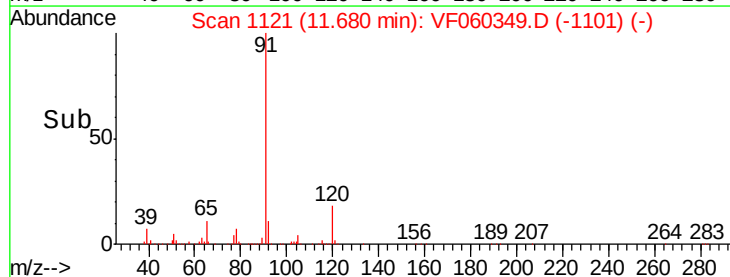
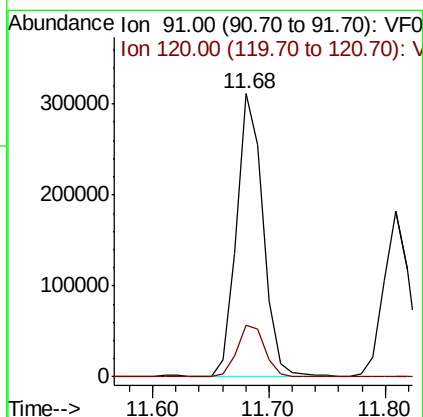
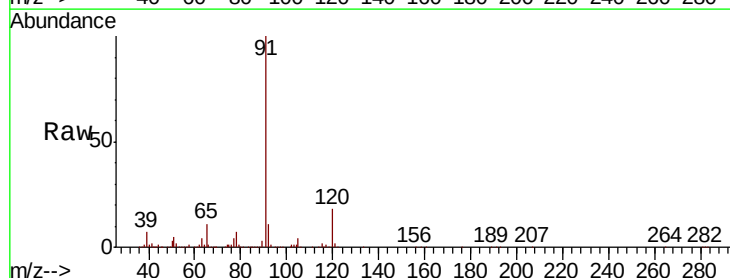
Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

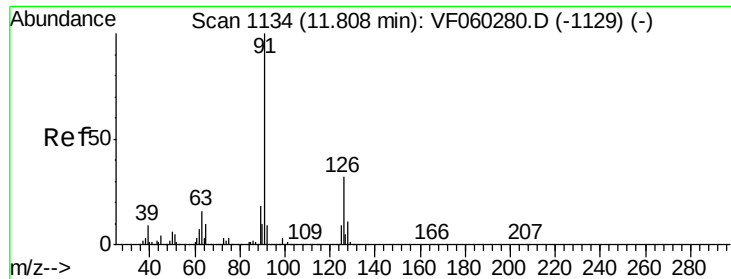
Tot Ion:156 Resp: 85500
Ion Ratio Lower Upper
156 100
77 149.4 77.3 232.1
158 97.3 48.4 145.2



#78
n-propylbenzene
Concen: 24.575 ug/l
RT: 11.68 min Scan# 1121
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Tgt Ion: 91 Resp: 488853
Ion Ratio Lower Upper
91 100
120 18.5 10.0 29.8

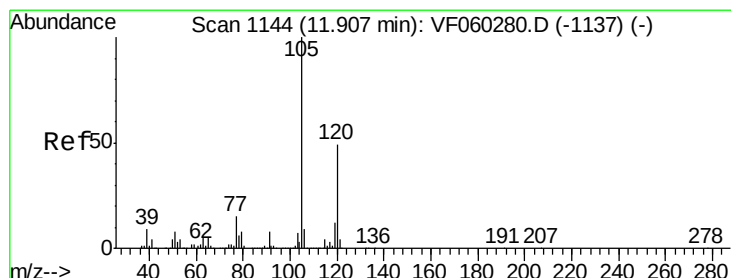
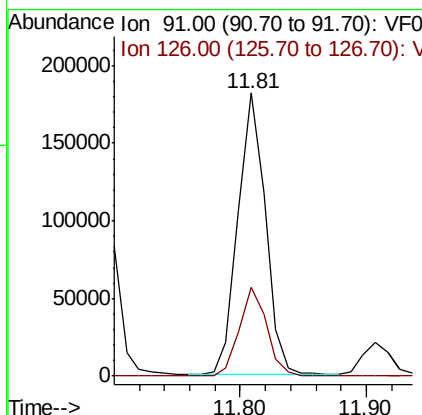
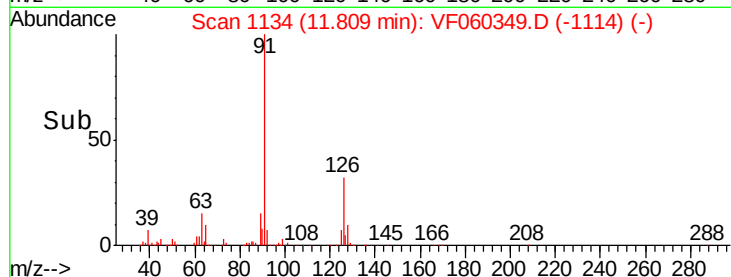
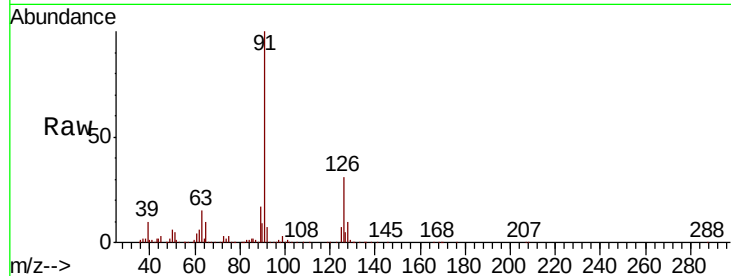




#79
 2-Chlorotoluene
 Concen: 23.611 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. 0.00 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

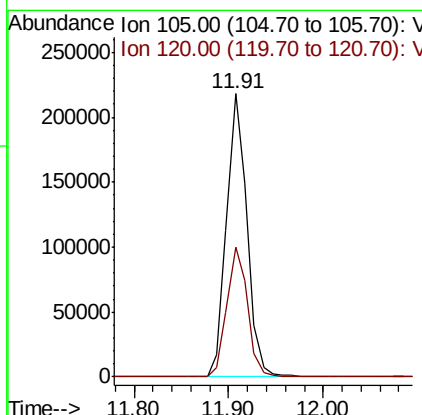
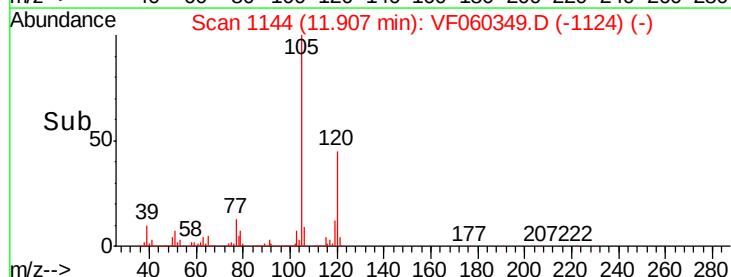
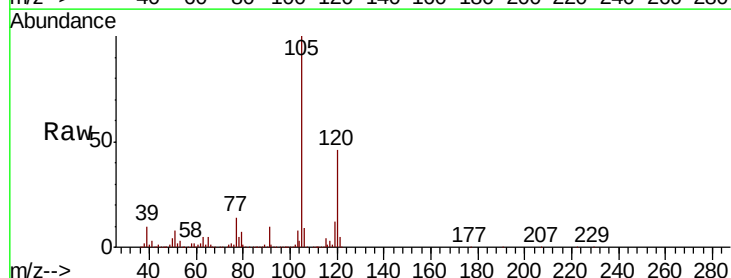
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBS01

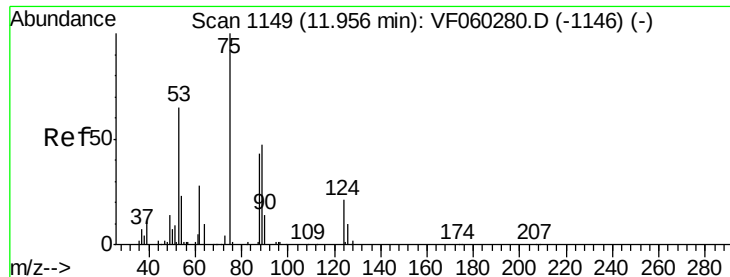
Tot Ion: 91 Resp: 274136
 Ion Ratio Lower Upper
 91 100
 126 31.4 16.1 48.3



#80
 1,3,5-Trimethylbenzene
 Concen: 23.565 ug/l
 RT: 11.91 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

Tgt Ion: 105 Resp: 326498
 Ion Ratio Lower Upper
 105 100
 120 45.9 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 25.782 ug/l

RT: 11.96 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

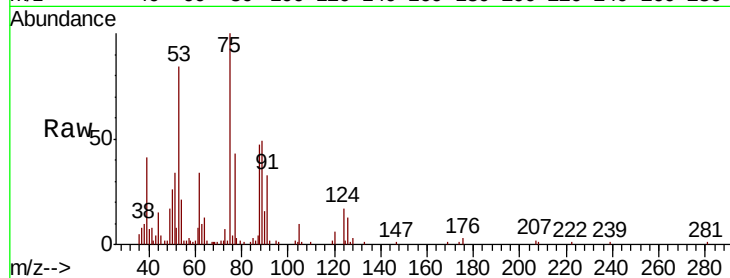
Tot Ion: 75 Resp: 29758

Ion Ratio Lower Upper

75 100

53 83.8 56.5 84.7

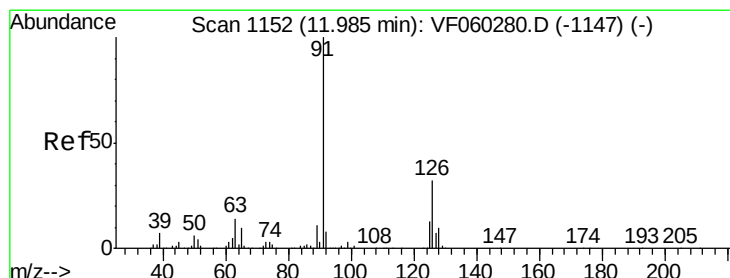
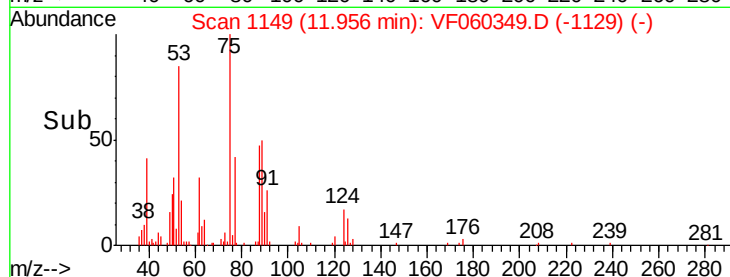
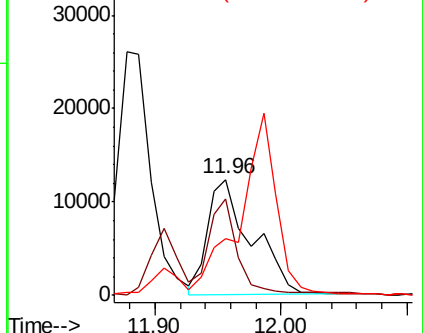
89 49.2 40.6 60.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 22.918 ug/l

RT: 11.99 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF060349.D

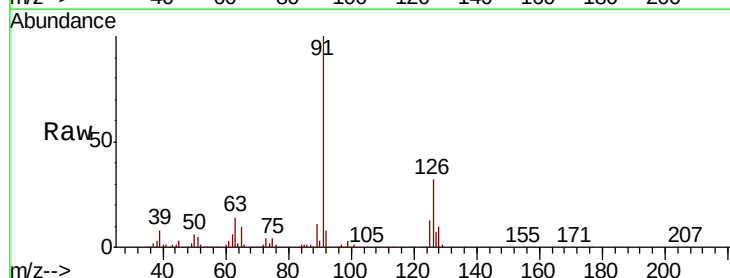
Acq: 26 Sep 2018 14:01

Tgt Ion: 91 Resp: 267446

Ion Ratio Lower Upper

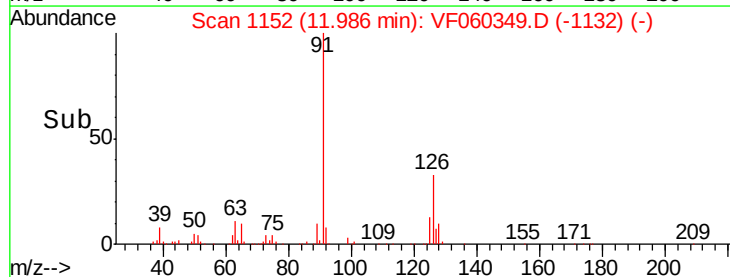
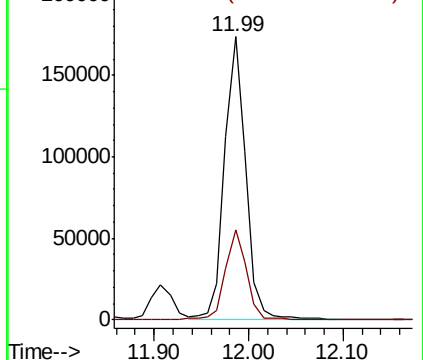
91 100

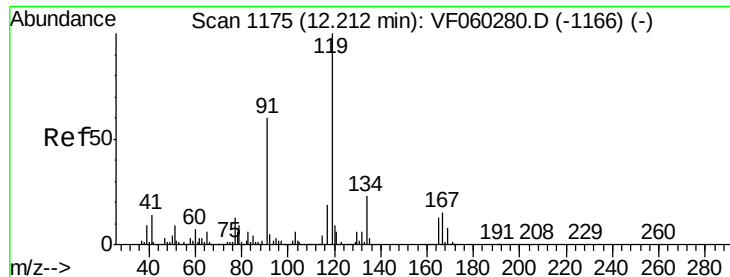
126 32.0 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

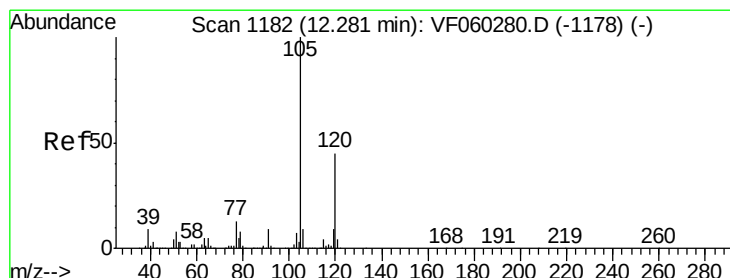
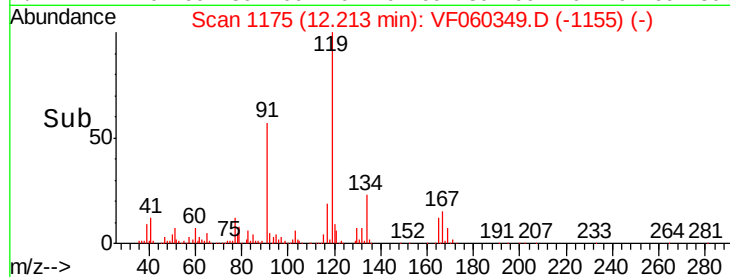
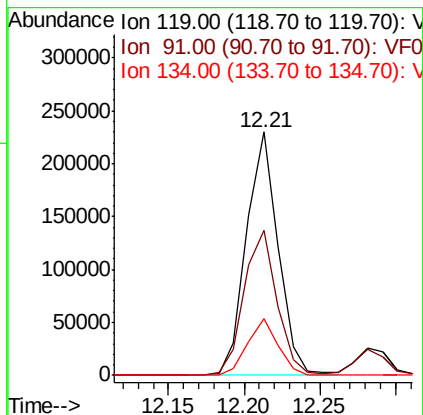
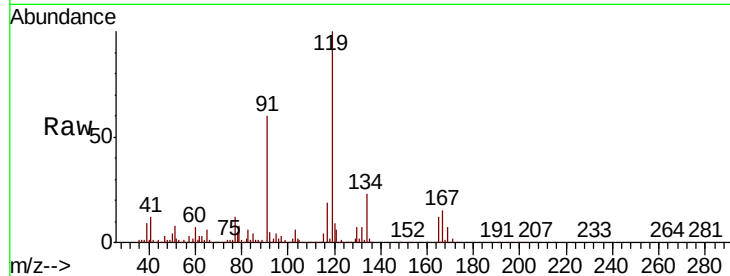




#83
 tert-Butylbenzene
 Concen: 24.093 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

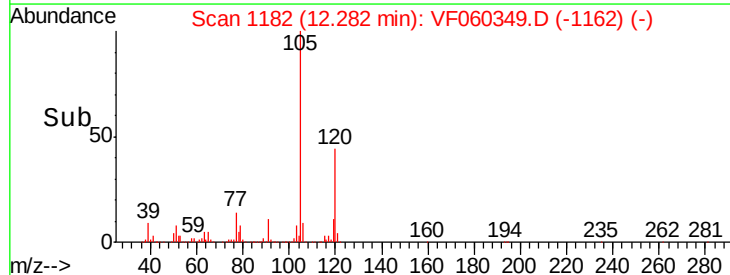
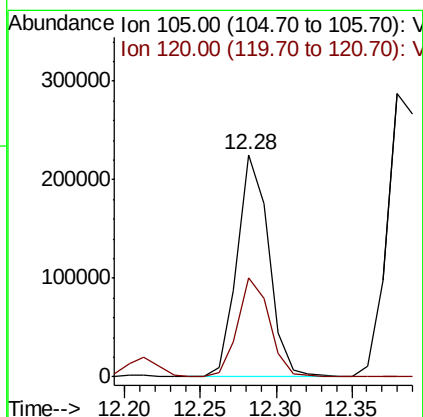
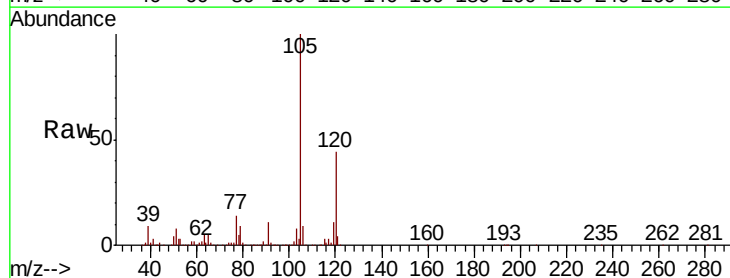
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBS01

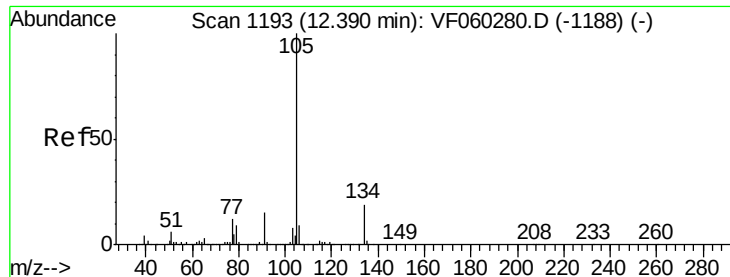
Tot Ion:119 Resp: 338386
 Ion Ratio Lower Upper
 119 100
 91 59.8 30.3 91.0
 134 23.1 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 23.299 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

Tgt Ion:105 Resp: 327786
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.4 67.0





#85

sec-Butylbenzene

Concen: 23.361 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

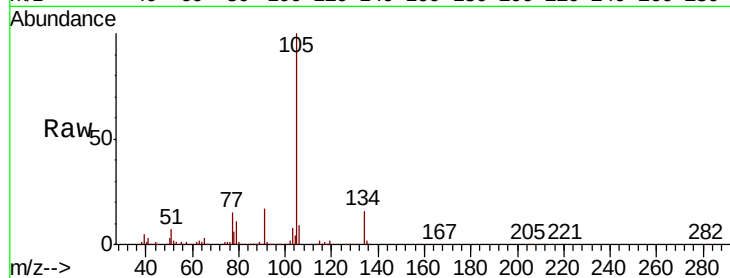
VF0926SBS01

Tot Ion:105 Resp: 454871

Ion Ratio Lower Upper

105 100

134 16.2 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.38

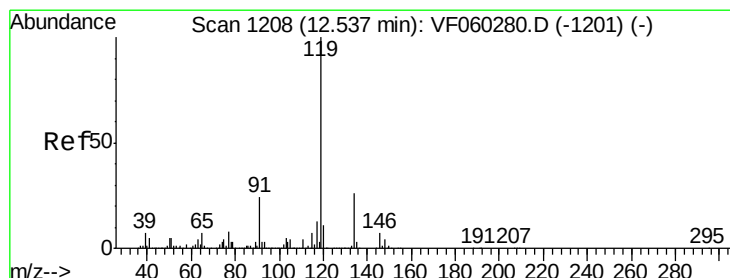
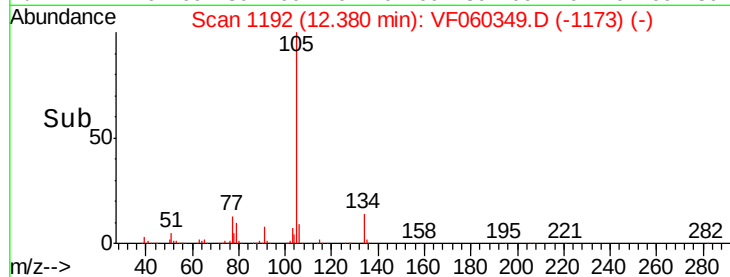
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 23.661 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

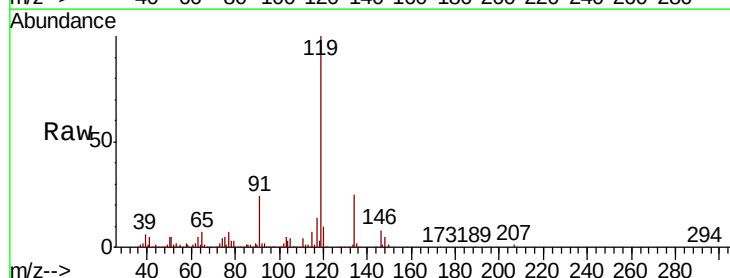
Tgt Ion:119 Resp: 363727

Ion Ratio Lower Upper

119 100

134 25.4 12.9 38.7

91 23.8 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.54

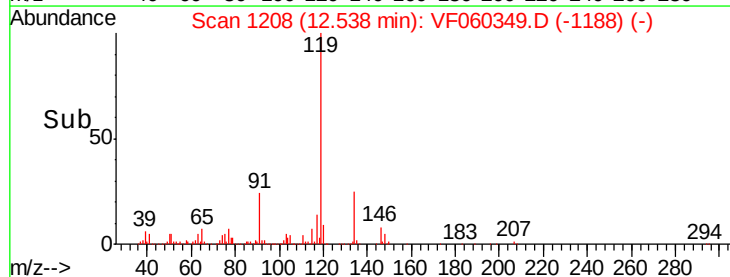
300000

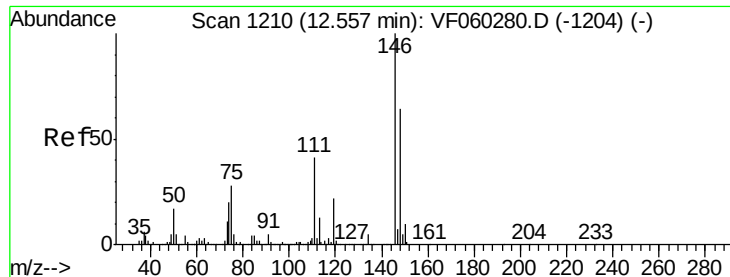
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 22.170 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

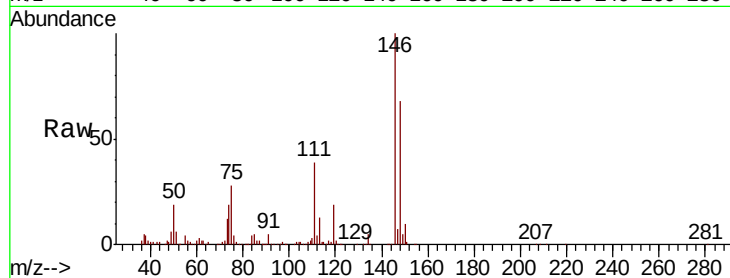
Tot Ion:146 Resp: 153672

Ion Ratio Lower Upper

146 100

111 39.0 20.5 61.6

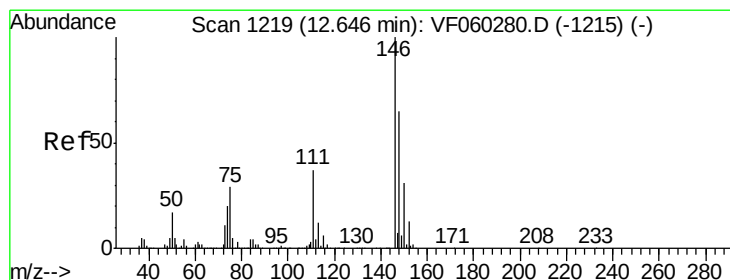
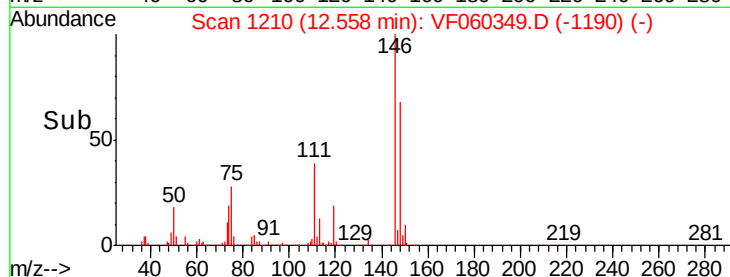
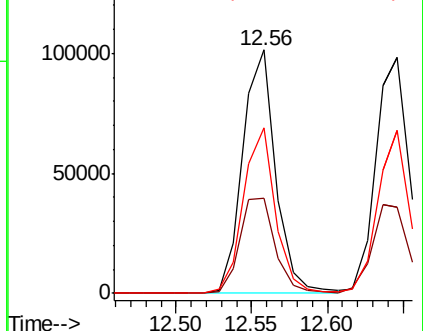
148 67.7 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 22.775 ug/l

RT: 12.65 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

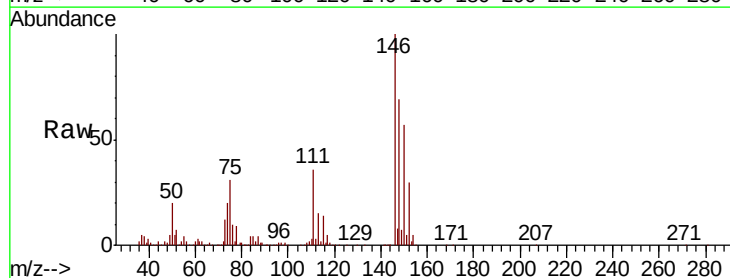
Tgt Ion:146 Resp: 156033

Ion Ratio Lower Upper

146 100

111 36.4 18.7 56.1

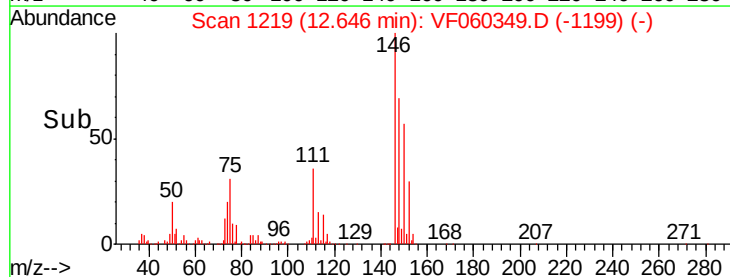
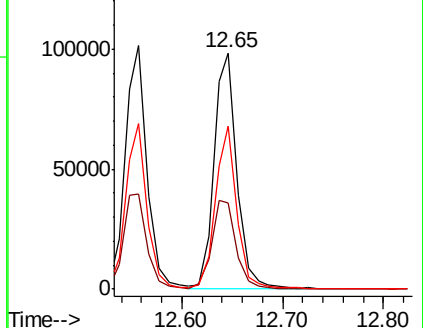
148 68.9 32.4 97.0

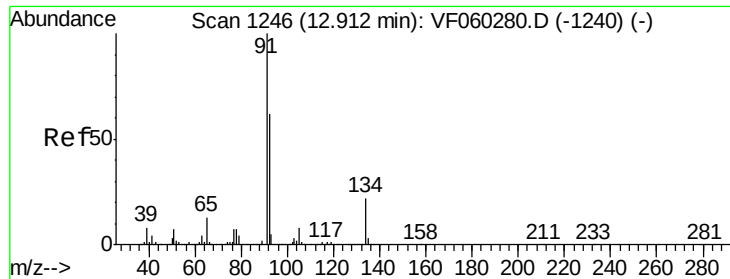


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 23.368 ug/l

RT: 12.91 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

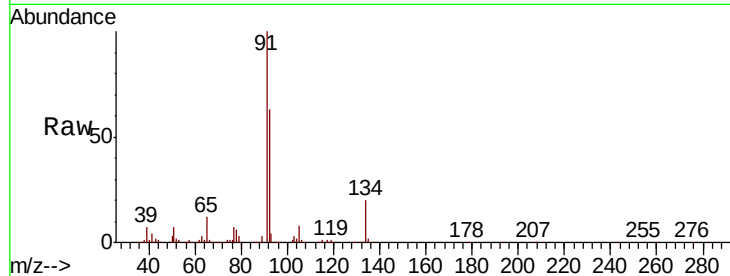
Tot Ion: 91 Resp: 390795

Ion Ratio Lower Upper

91 100

92 62.6 31.1 93.5

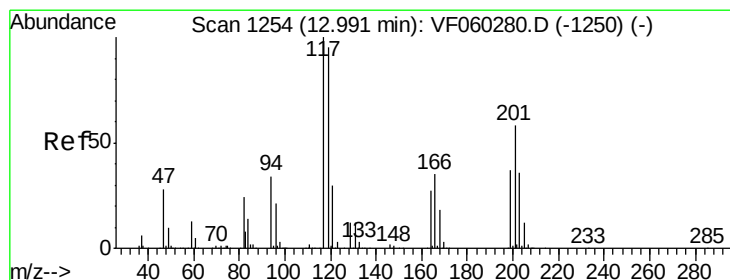
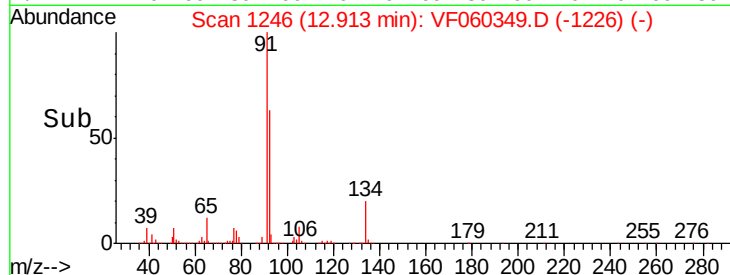
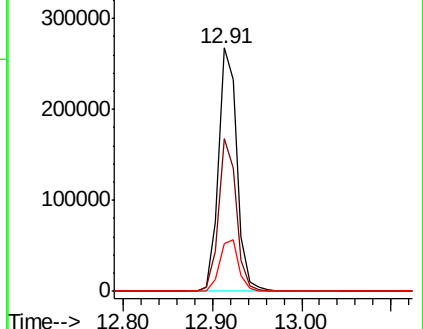
134 19.6 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 23.413 ug/l

RT: 12.99 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VF060349.D

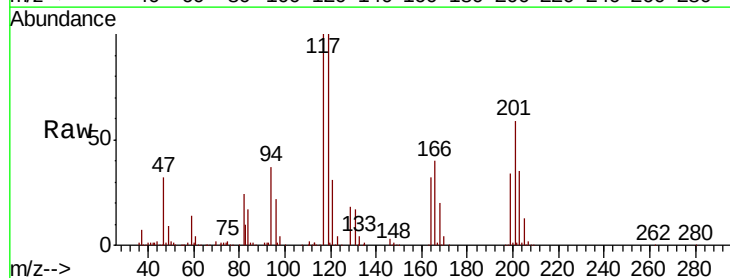
Acq: 26 Sep 2018 14:01

Tgt Ion: 117 Resp: 92018

Ion Ratio Lower Upper

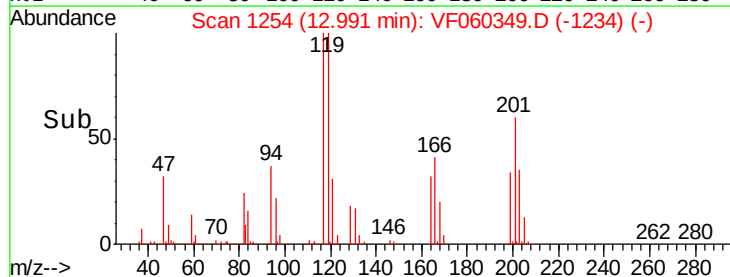
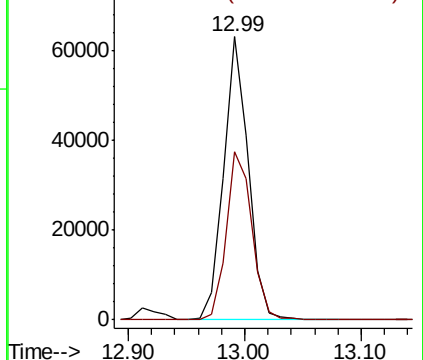
117 100

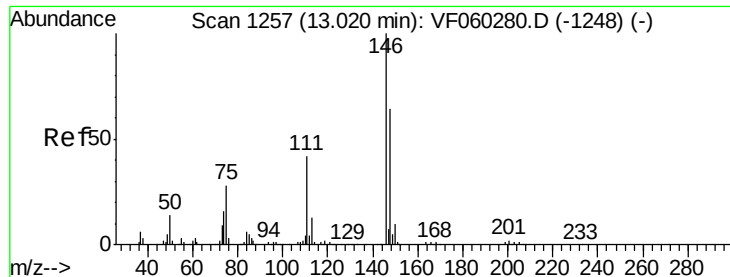
201 59.4 29.0 87.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 22.465 ug/l

RT: 13.02 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

Instrument :

MSVOA_F

ClientSampleId :

VF0926SBS01

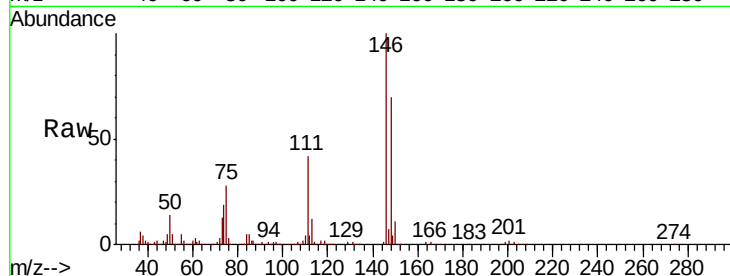
Tot Ion:146 Resp: 148542

Ion Ratio Lower Upper

146 100

111 41.8 20.9 62.8

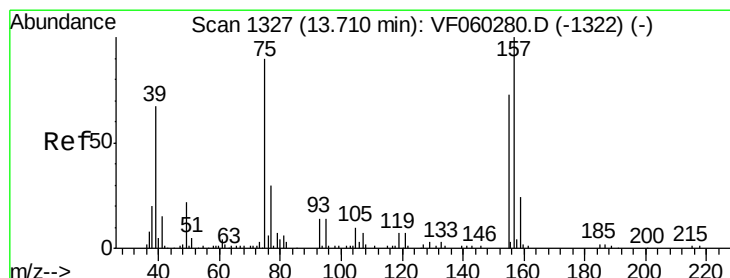
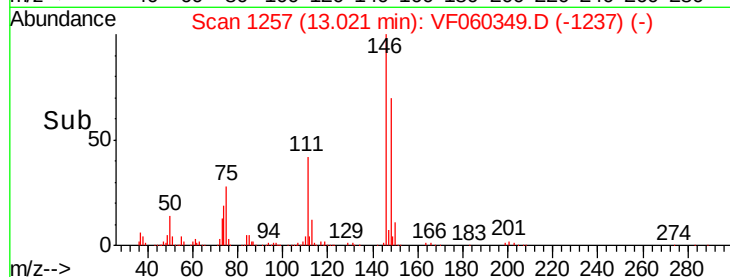
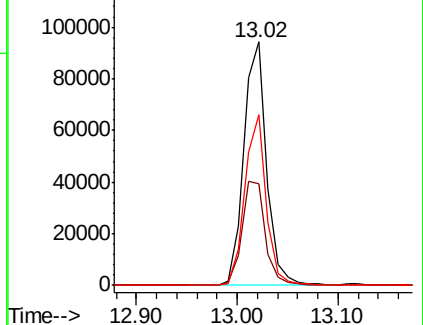
148 70.2 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.414 ug/l

RT: 13.71 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VF060349.D

Acq: 26 Sep 2018 14:01

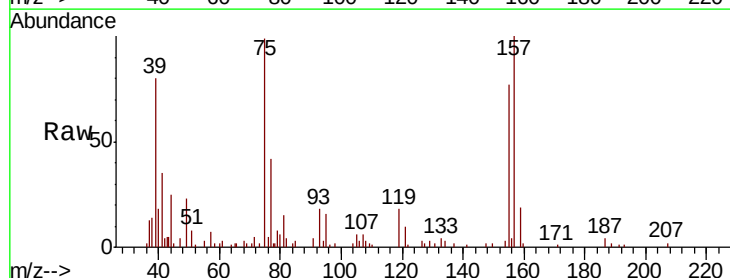
Tgt Ion: 75 Resp: 12264

Ion Ratio Lower Upper

75 100

155 78.0 41.9 125.7

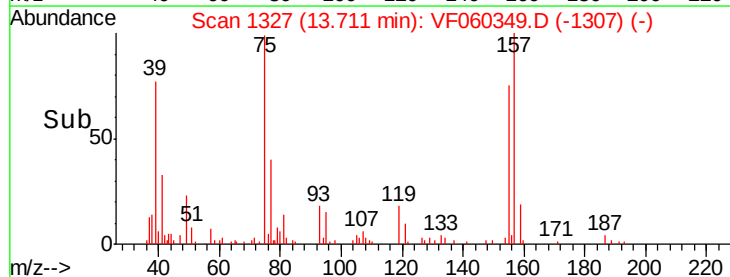
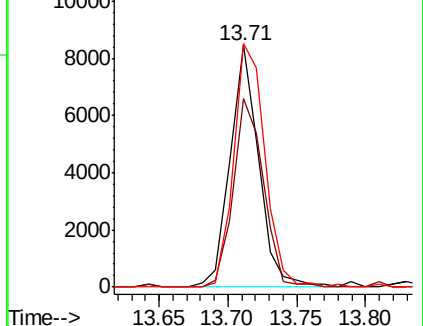
157 100.7 57.4 172.0

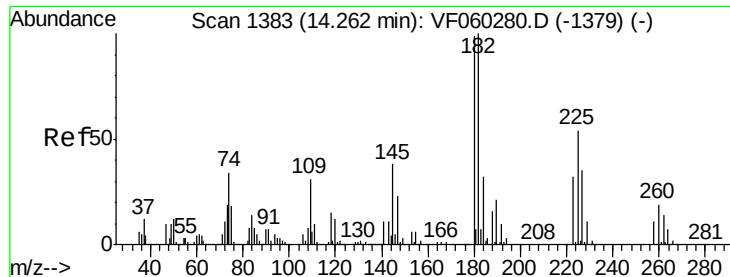


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

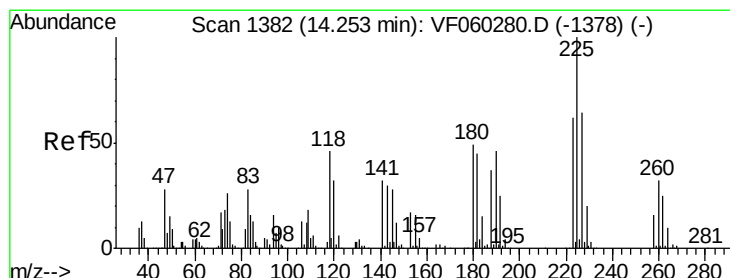
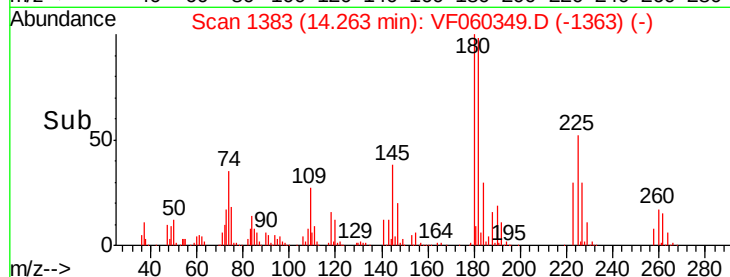
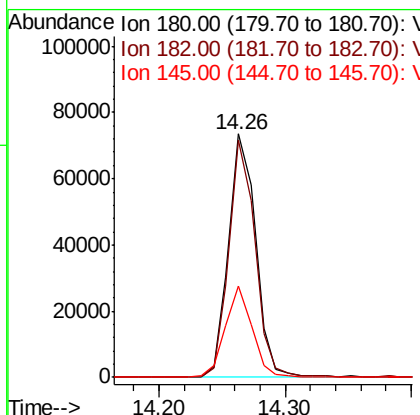
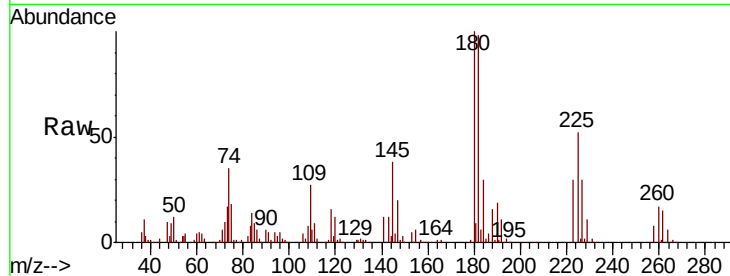




#93
 1,2,4-Trichlorobenzene
 Concen: 22.851 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

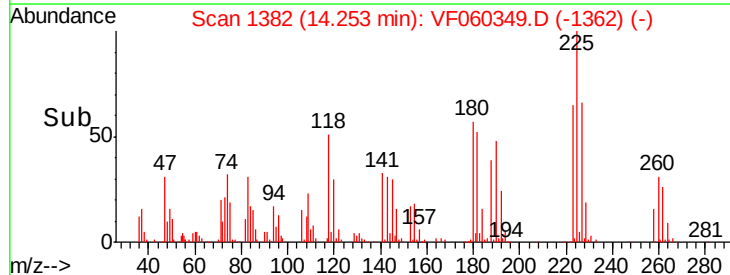
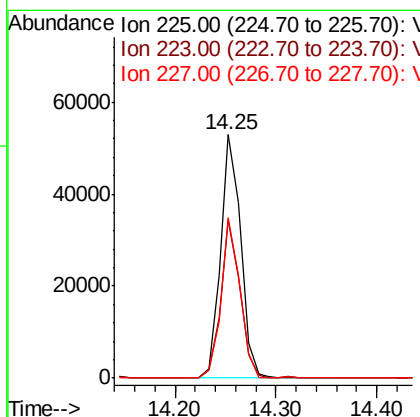
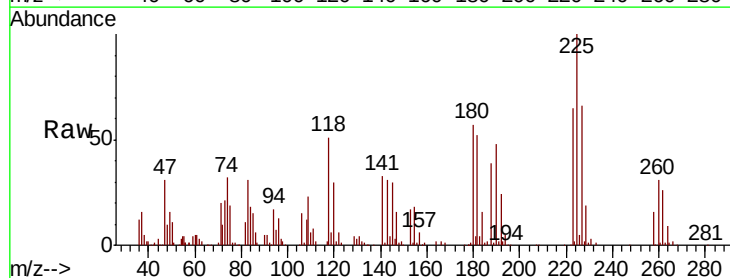
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0926SBS01

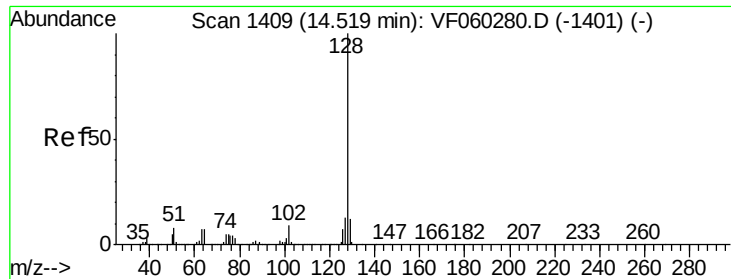
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	50.3	151.0
145	37.6	18.9	56.9



#94
 Hexachlorobutadiene
 Concen: 22.730 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060349.D
 Acq: 26 Sep 2018 14:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.2	93.6
227	66.0	32.2	96.6

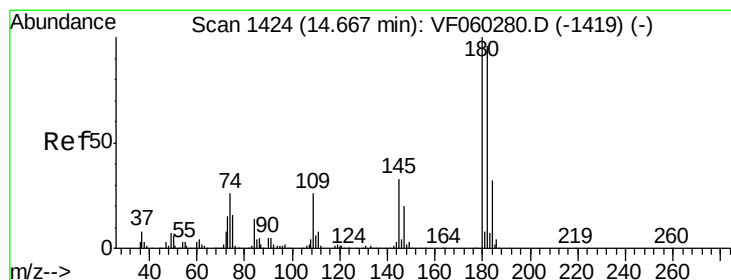
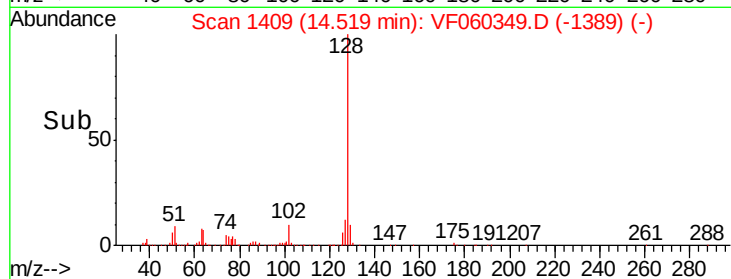
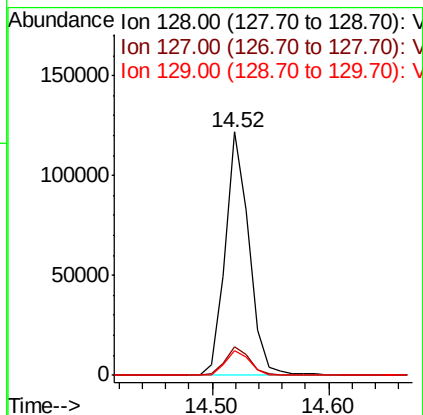
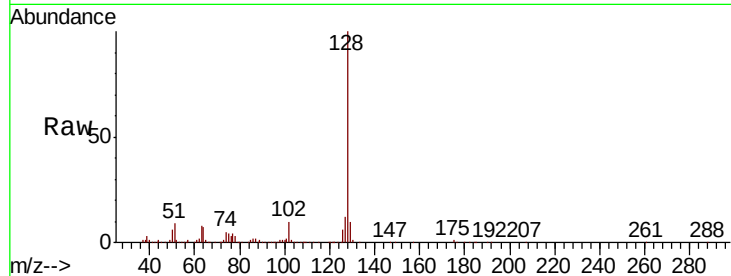




#95
Naphthalene
Concen: 20.476 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Instrument :
MSVOA_F
ClientSampleId :
VF0926SBS01

Tot Ion:128 Resp: 172533
Ion Ratio Lower Upper
128 100
127 11.8 10.1 15.1
129 10.0 9.8 14.8



#96
1,2,3-Trichlorobenzene
Concen: 22.360 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. 0.00 min
Lab File: VF060349.D
Acq: 26 Sep 2018 14:01

Tgt Ion:180 Resp: 99299
Ion Ratio Lower Upper
180 100
182 100.6 47.8 143.4
145 32.3 16.4 49.1

