

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
 Data File : VF060003.D
 Acq On : 20 Aug 2018 15:41
 Operator : VA/AP
 Sample : VF0820SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

Quant Time: Aug 21 04:25:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:11:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	121758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	162441	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	179549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	125016	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	127482	54.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.48%	
35) Dibromofluoromethane	4.29	113	91963	55.39	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	110.78%	
50) Toluene-d8	7.71	98	205498	55.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.32%	
62) 4-Bromofluorobenzene	11.51	95	125010	55.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	51604	24.99	ug/l	97
3) Chloromethane	1.07	50	33027	33.67	ug/l	91
4) Vinyl Chloride	1.12	62	33947	27.53	ug/l	100
5) Bromomethane	1.31	94	29154	26.14	ug/l	98
6) Chloroethane	1.39	64	15050	23.50	ug/l	96
7) Trichlorofluoromethane	1.48	101	86867	24.54	ug/l	99
8) Diethyl Ether	1.70	74	13160	25.20	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.86	101	39776	23.97	ug/l	88
10) Methyl Iodide	1.93	142	51665	24.67	ug/l	97
11) Tert butyl alcohol	2.68	59	15849	115.71	ug/l #	92
12) 1,1-Dichloroethene	1.82	96	27753	24.25	ug/l	77
13) Acrolein	2.09	56	5619	84.84	ug/l	83
14) Allyl chloride	2.19	41	43540	22.42	ug/l	95
15) Acrylonitrile	3.07	53	26252	118.53	ug/l	97
16) Acetone	2.33	43	88846	131.07	ug/l #	92
17) Carbon Disulfide	1.84	76	93439	25.69	ug/l	96
18) Methyl Acetate	2.53	43	31059	24.26	ug/l	93
19) Methyl tert-butyl Ether	2.53	73	84755	22.50	ug/l	99
20) Methylene Chloride	2.27	84	35925	25.56	ug/l	98
21) trans-1,2-Dichloroethene	2.41	96	27395	22.30	ug/l	92
22) Diisopropyl ether	2.93	45	93576	22.53	ug/l	97
23) Vinyl Acetate	3.33	43	187692	112.25	ug/l	98
24) 1,1-Dichloroethane	3.00	63	63604	23.35	ug/l	98
25) 2-Butanone	4.50	43	64605	113.71	ug/l	99
26) 2,2-Dichloropropane	3.76	77	60140	24.93	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	23889	21.26	ug/l	94
28) Bromochloromethane	3.89	49	16896	21.62	ug/l	99
29) Tetrahydrofuran	4.25	42	21032	103.72	ug/l	95
30) Chloroform	4.04	83	69457	22.06	ug/l	100
31) Cyclohexane	3.86	56	25450	20.41	ug/l #	95
32) 1,1,1-Trichloroethane	4.28	97	73208	23.82	ug/l	99
36) 1,1-Dichloropropene	4.45	75	42087	22.75	ug/l #	92
37) Ethyl Acetate	4.29	43	24364	23.82	ug/l #	66
38) Carbon Tetrachloride	4.17	117	68886	25.96	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	33035	23.80	µg/l	97
40) Benzene	4.81	78	76444	24.41	µg/l	94
41) Methacrylonitrile	4.92	41	11647	23.79	µg/l	95
42) 1,2-Dichloroethane	5.11	62	64487	24.28	µg/l	99
43) Isopropyl Acetate	7.11	43	27066	24.05	µg/l #	84
44) Trichloroethene	5.68	130	28102	22.99	µg/l	91
45) 1,2-Dichloropropane	6.41	63	19686	21.97	µg/l	90
46) Dibromomethane	6.26	93	22041	24.95	µg/l	93
47) Bromodichloromethane	6.54	83	56463	23.67	µg/l	97
48) Methyl methacrylate	6.88	41	26218	31.29	µg/l #	86
49) 1,4-Dioxane	6.87	88	4035	574.66	µg/l #	88
51) 4-Methyl-2-Pentanone	8.41	43	130628	124.24	µg/l	92
52) Toluene	7.78	92	51601	22.02	µg/l	98
53) t-1,3-Dichloropropene	8.43	75	47161	23.44	µg/l	93
54) cis-1,3-Dichloropropene	7.46	75	48004	24.72	µg/l	99
55) 1,1,2-Trichloroethane	8.64	97	22658	24.10	µg/l	97
56) Ethyl methacrylate	8.76	69	26021	23.89	µg/l	98
57) 1,3-Dichloropropane	9.01	76	38442	22.94	µg/l	96
58) 2-Chloroethyl Vinyl ether	7.79	63	12526	137.09	µg/l	100
59) 2-Hexanone	9.63	43	109500	126.13	µg/l	96
60) Dibromochloromethane	8.87	129	39695	23.10	µg/l	94
61) 1,2-Dibromoethane	9.14	107	27106	23.11	µg/l	96
64) Tetrachloroethene	8.31	164	29473	21.54	µg/l	97
65) Chlorobenzene	9.94	112	75626	21.34	µg/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	36476	22.37	µg/l	93
67) Ethyl Benzene	10.04	91	147794	22.97	µg/l	100
68) m/p-Xylenes	10.27	106	102822	46.12	µg/l	93
69) o-Xylene	10.83	106	49987	21.87	µg/l	90
70) Styrene	10.90	104	85174	23.26	µg/l	97
71) Bromoform	10.89	173	27391	22.72	µg/l	100
73) Isopropylbenzene	11.23	105	170669	22.77	µg/l	98
74) N-amyl acetate	11.46	43	47480	22.32	µg/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	32030	21.77	µg/l	99
76) 1,2,3-Trichloropropane	11.89	75	29121	22.34	µg/l	97
77) Bromobenzene	11.60	156	44009	21.05	µg/l	91
78) n-propylbenzene	11.69	91	205538	22.09	µg/l	98
79) 2-Chlorotoluene	11.82	91	129968	22.99	µg/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	153041	22.59	µg/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	16579	30.14	µg/l	90
82) 4-Chlorotoluene	11.99	91	143017	23.12	µg/l	91
83) tert-Butylbenzene	12.22	119	160813	24.16	µg/l	93
84) 1,2,4-Trimethylbenzene	12.29	105	163079	22.86	µg/l	96
85) sec-Butylbenzene	12.39	105	196770	22.36	µg/l	96
86) p-Isopropyltoluene	12.54	119	179291	23.03	µg/l	98
87) 1,3-Dichlorobenzene	12.56	146	91058	22.82	µg/l	97
88) 1,4-Dichlorobenzene	12.64	146	92014	23.56	µg/l	96
89) n-Butylbenzene	12.92	91	178587	23.75	µg/l	95
90) Hexachloroethane	13.00	117	41157	23.47	µg/l	92
91) 1,2-Dichlorobenzene	13.02	146	87408	22.89	µg/l	96
92) 1,2-Dibromo-3-Chloropropan	13.72	75	8988	22.09	µg/l	86

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Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:11:02 2018
Response via : Initial Calibration

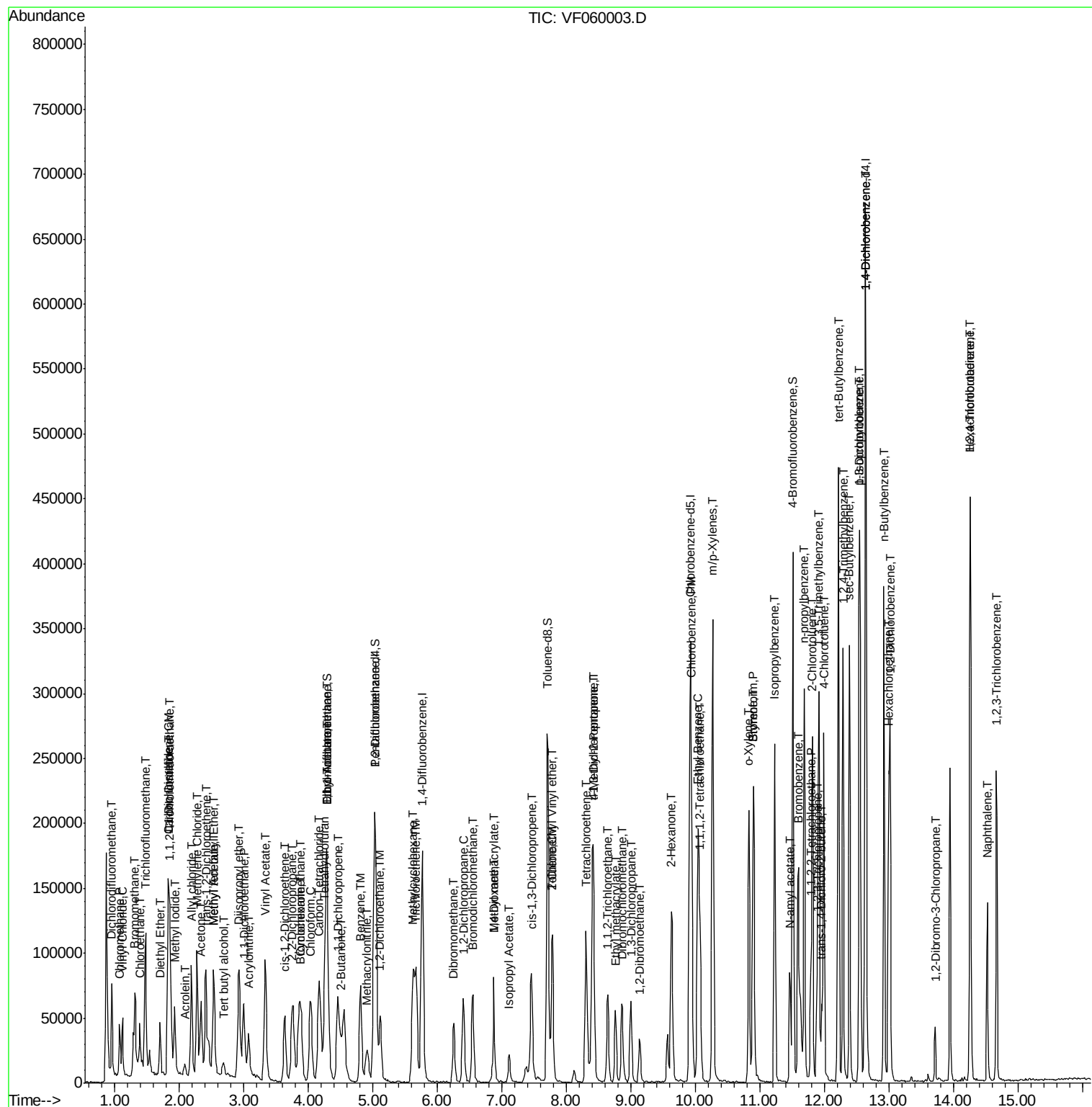
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	70652	22.67	ug/l	97
94) Hexachlorobutadiene	14.26	225	46152	22.11	ug/l	92
95) Naphthalene	14.53	128	95750	21.83	ug/l #	96
96) 1,2,3-Trichlorobenzene	14.68	180	67488	22.46	ug/l	97

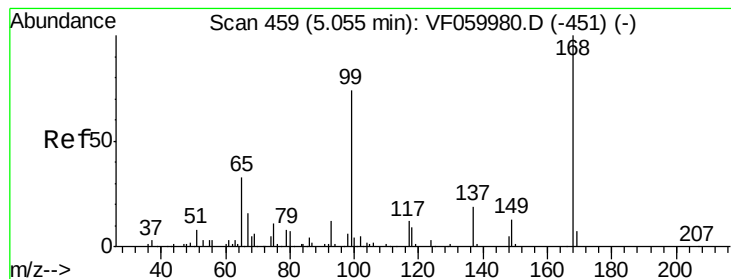
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

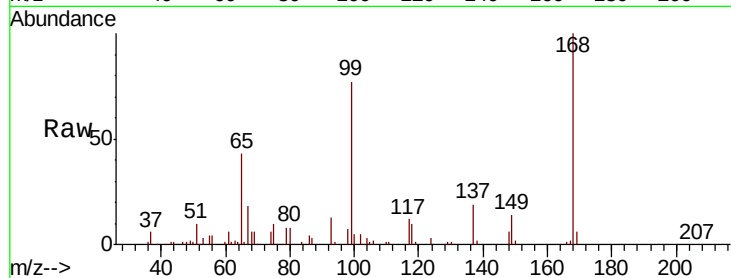
VF0820SBS01

Tot Ion:168 Resp: 121758

Ion Ratio Lower Upper

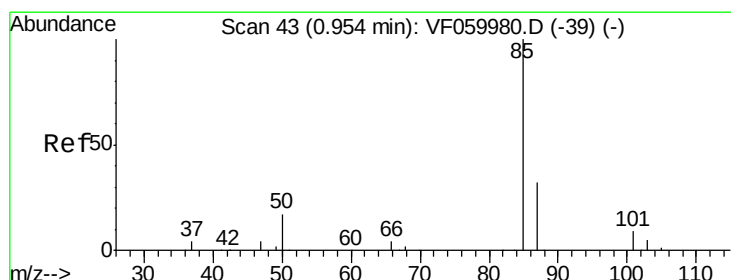
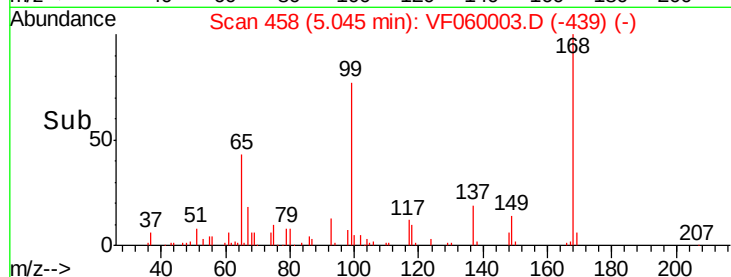
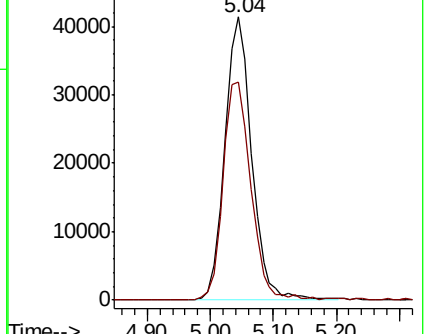
168 100

99 76.9 59.0 88.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 24.99 ug/l

RT: 0.95 min Scan# 43

Delta R.T. -0.00 min

Lab File: VF060003.D

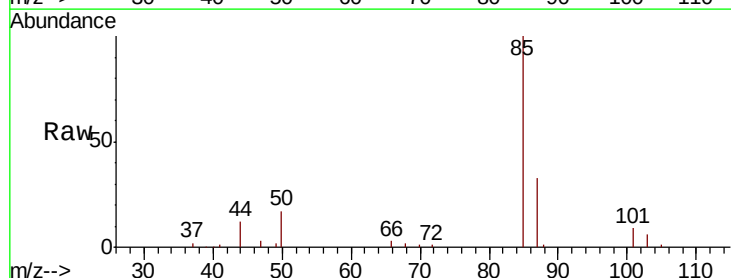
Acq: 20 Aug 2018 15:41

Tgt Ion: 85 Resp: 51604

Ion Ratio Lower Upper

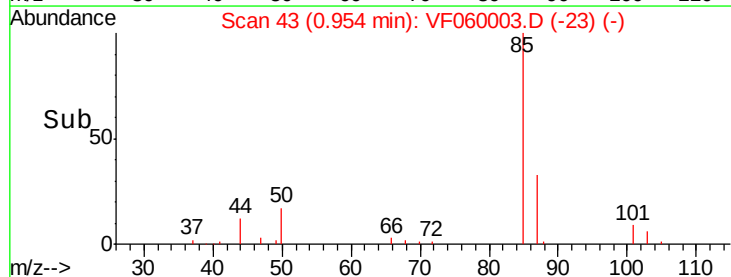
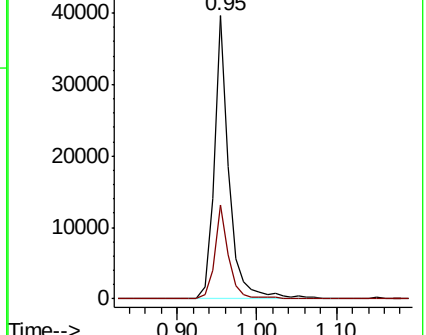
85 100

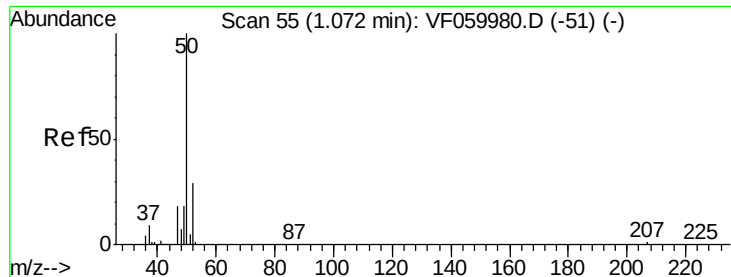
87 33.4 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 33.67 ug/l

RT: 1.07 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

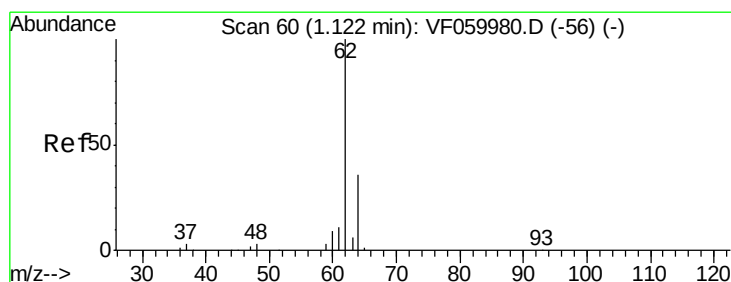
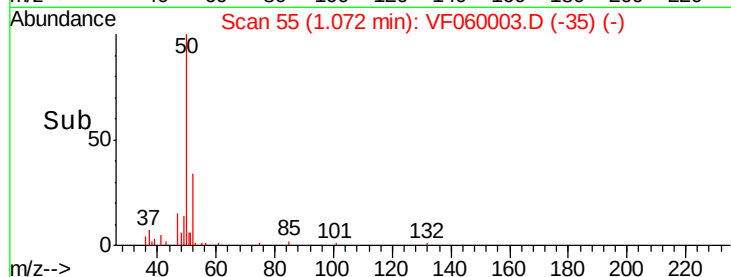
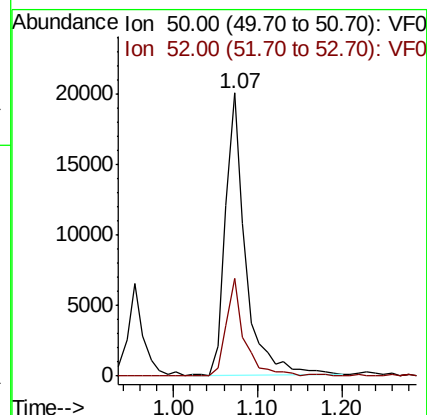
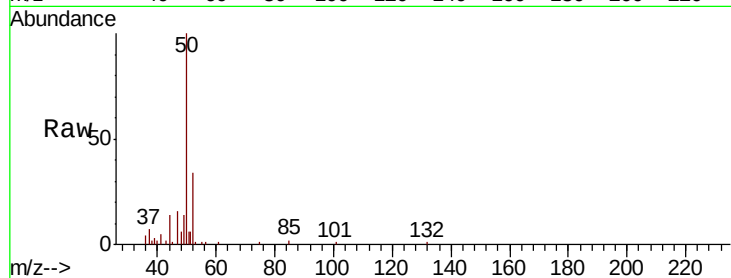
VF0820SBS01

Tot Ion: 50 Resp: 33027

Ion Ratio Lower Upper

50 100

52 34.3 23.6 35.4



#4

Vinyl Chloride

Concen: 27.53 ug/l

RT: 1.12 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF060003.D

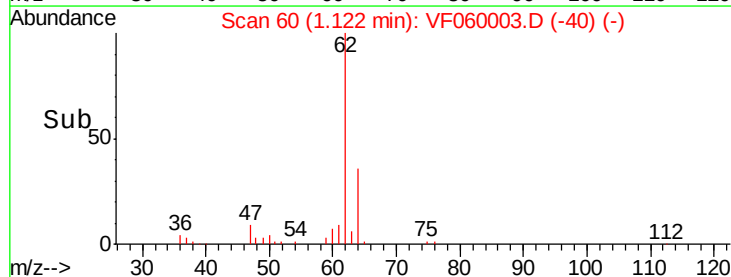
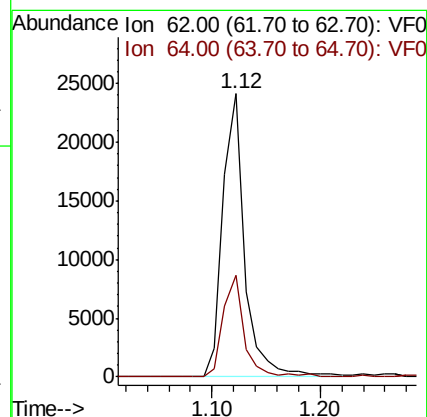
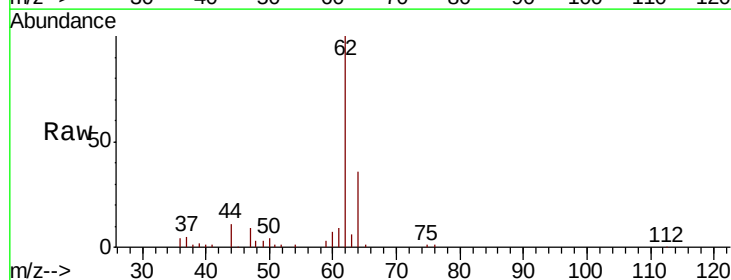
Acq: 20 Aug 2018 15:41

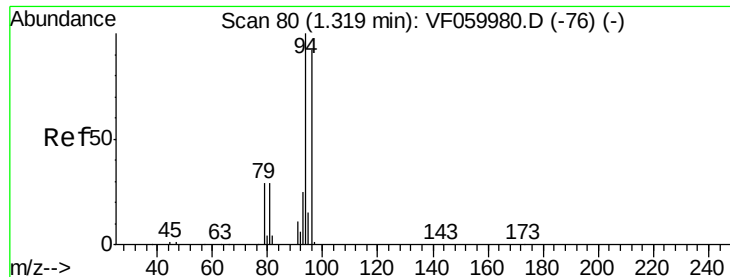
Tgt Ion: 62 Resp: 33947

Ion Ratio Lower Upper

62 100

64 35.7 28.7 43.1





#5

Bromomethane

Concen: 26.14 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

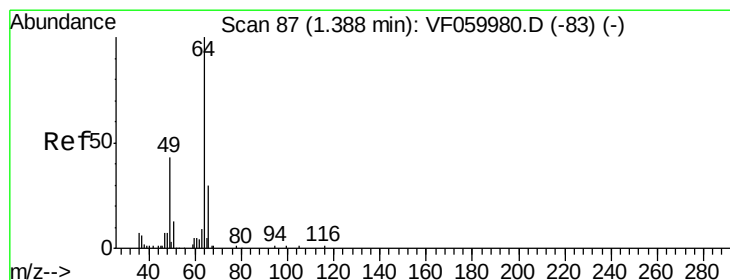
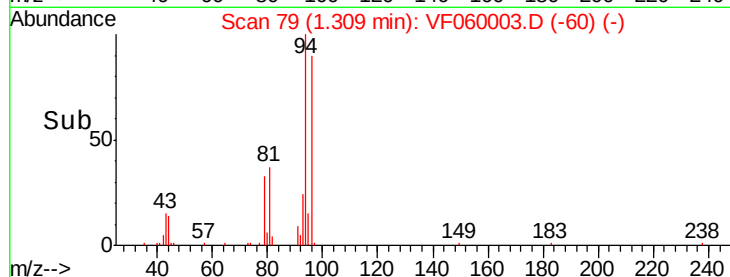
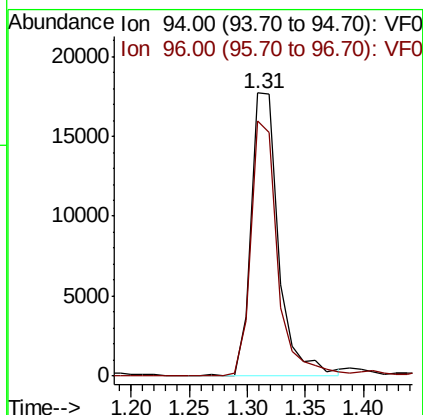
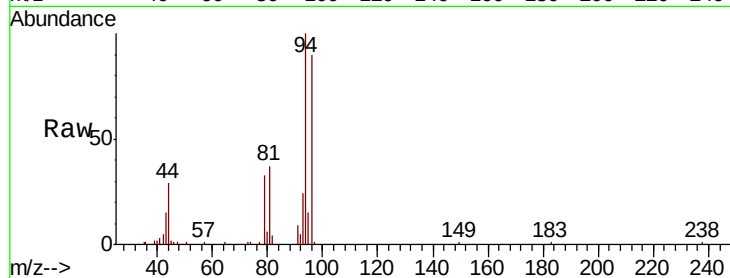
VF0820SBS01

Tot Ion: 94 Resp: 29154

Ion Ratio Lower Upper

94 100

96 90.1 73.9 110.9



#6

Chloroethane

Concen: 23.50 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF060003.D

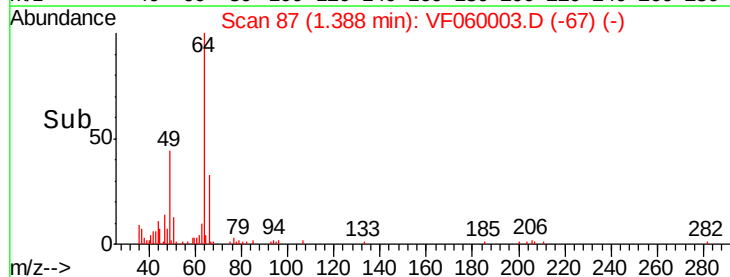
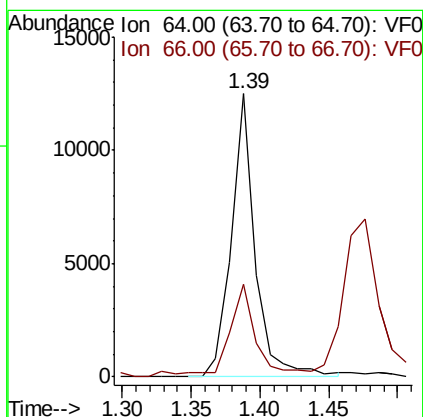
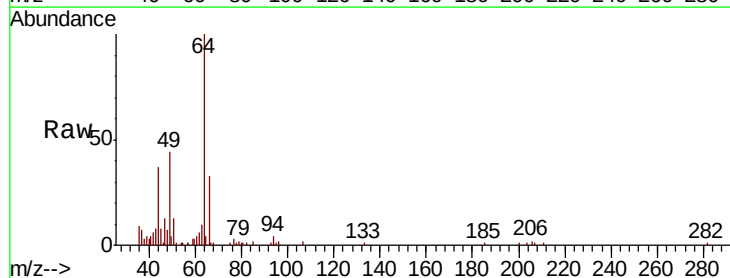
Acq: 20 Aug 2018 15:41

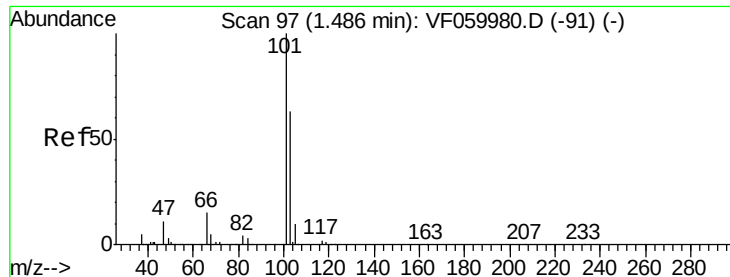
Tgt Ion: 64 Resp: 15050

Ion Ratio Lower Upper

64 100

66 32.6 24.4 36.6





#7

Trichlorofluoromethane

Concen: 24.54 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

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ClientSampleId :

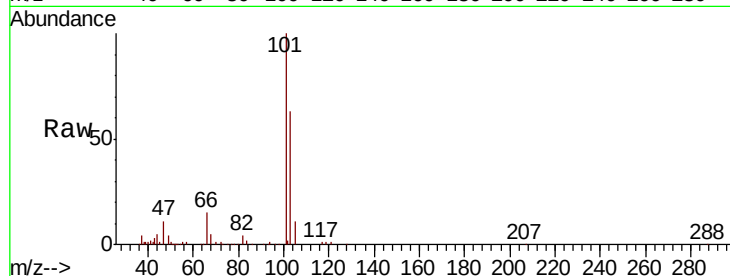
VF0820SBS01

Tot Ion:101 Resp: 86867

Ion Ratio Lower Upper

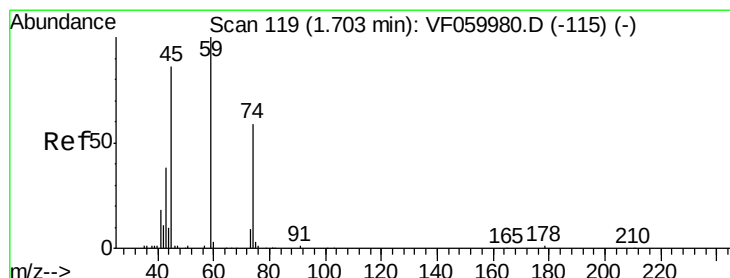
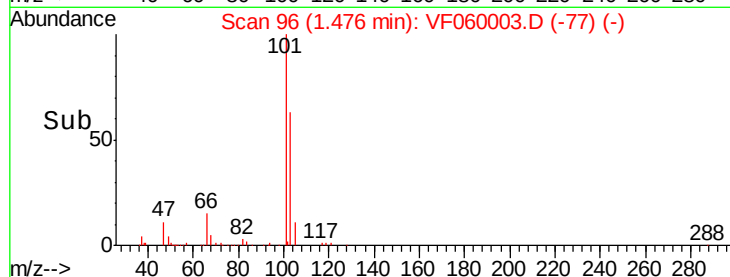
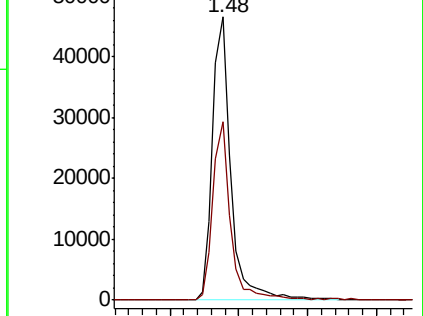
101 100

103 62.9 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 25.20 ug/l

RT: 1.70 min Scan# 119

Delta R.T. -0.00 min

Lab File: VF060003.D

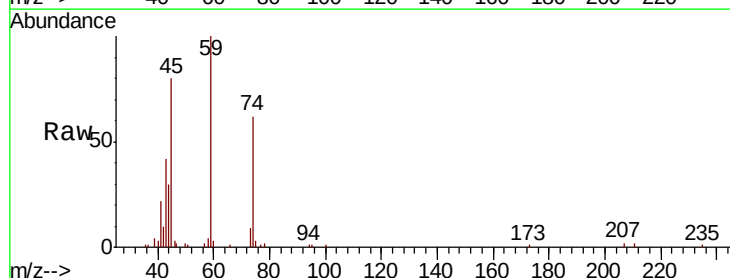
Acq: 20 Aug 2018 15:41

Tgt Ion: 74 Resp: 13160

Ion Ratio Lower Upper

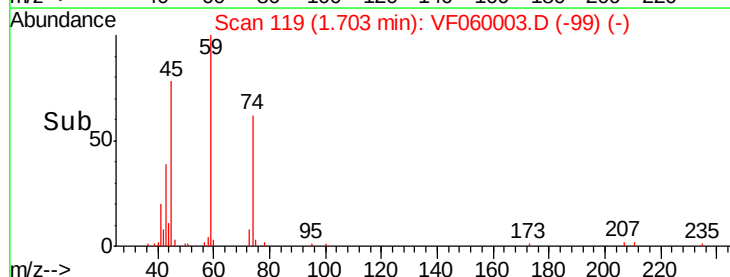
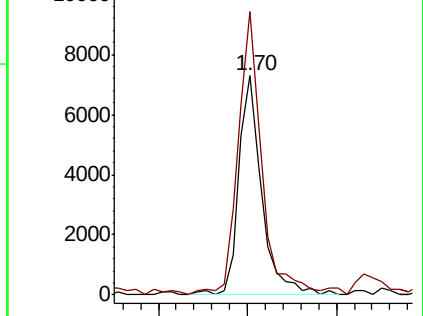
74 100

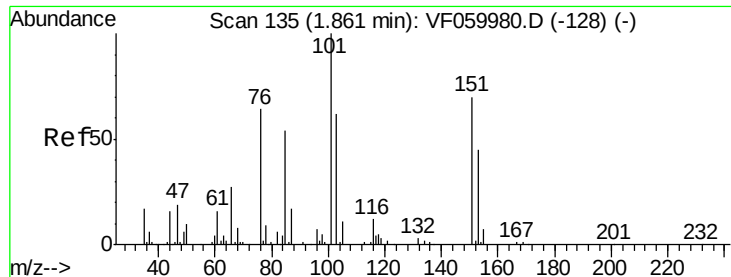
45 129.3 73.5 220.3



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: 23.97 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.00 min

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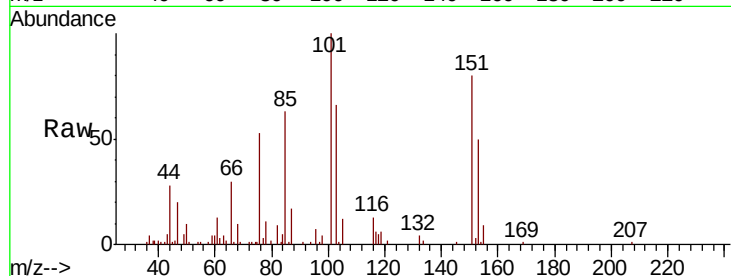
Tot Ion:101 Resp: 39776

Ion Ratio Lower Upper

101 100

85 62.8 43.0 64.6

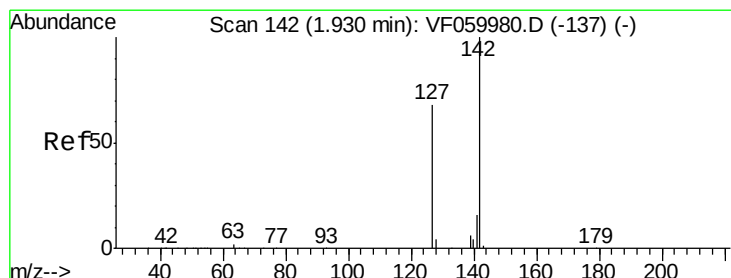
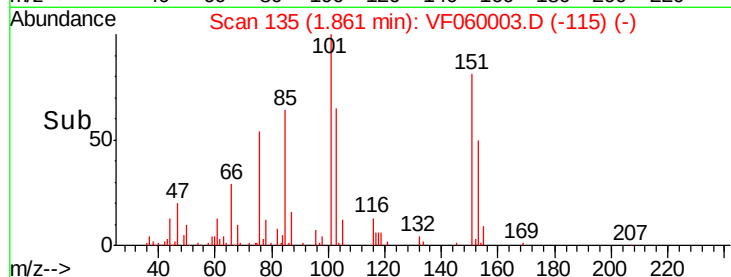
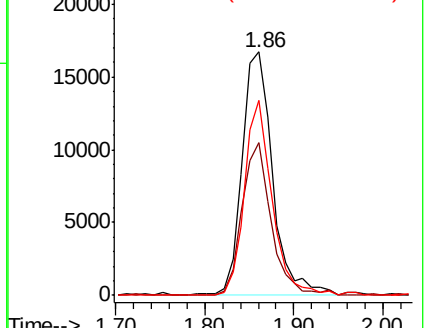
151 80.2 56.2 84.2



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: 24.67 ug/l

RT: 1.93 min Scan# 142

Delta R.T. -0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

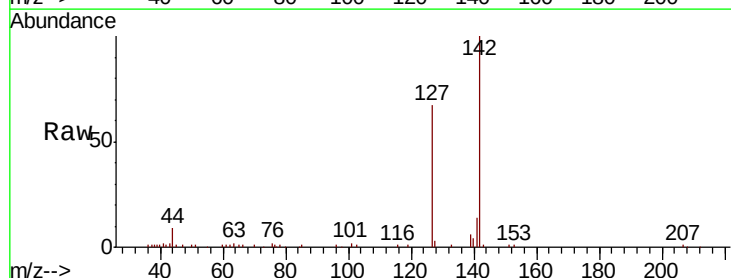
Tgt Ion:142 Resp: 51665

Ion Ratio Lower Upper

142 100

127 70.1 54.1 81.1

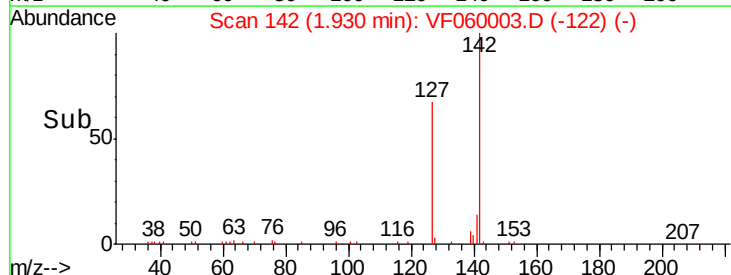
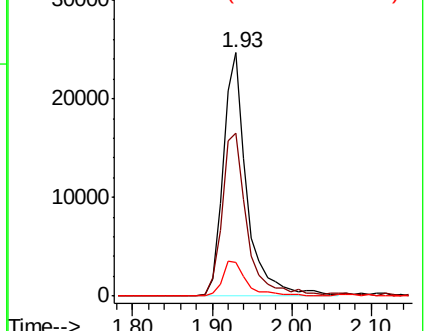
141 13.6 12.5 18.7

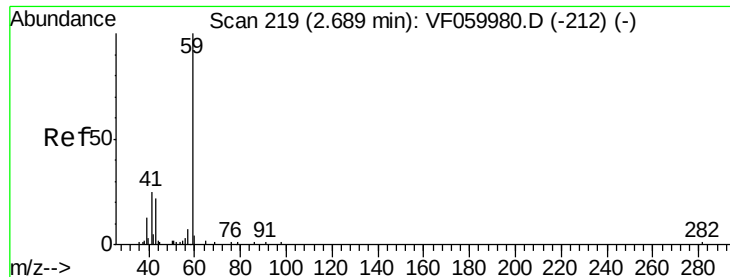


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



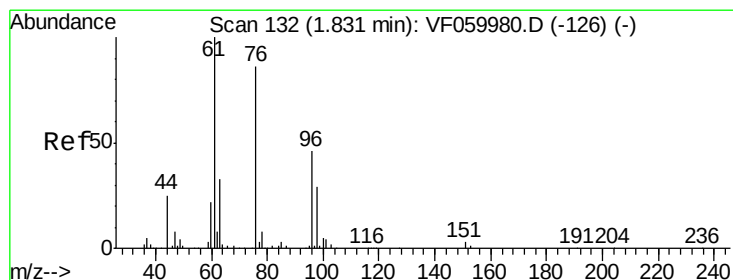
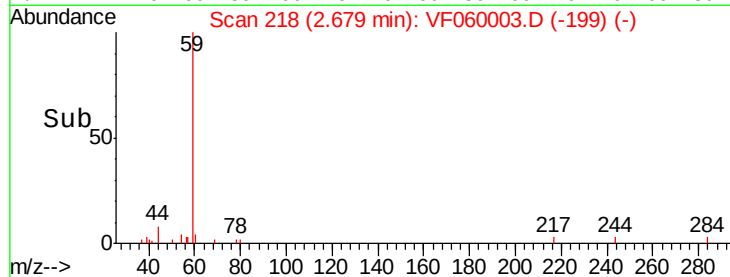
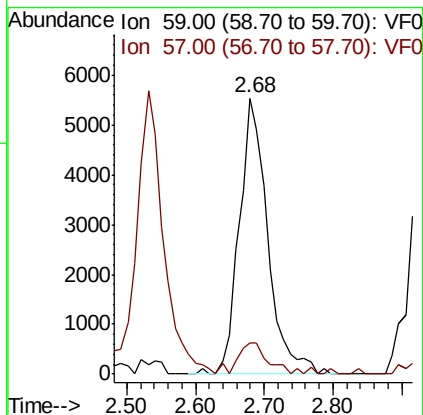
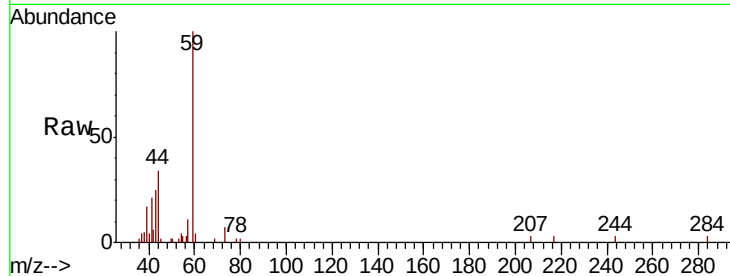


#11

Tert butyl alcohol
 Concen: 115.71 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

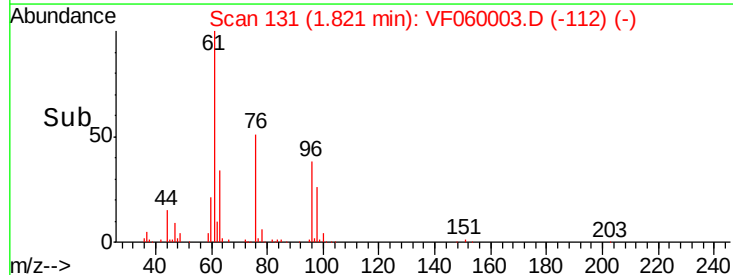
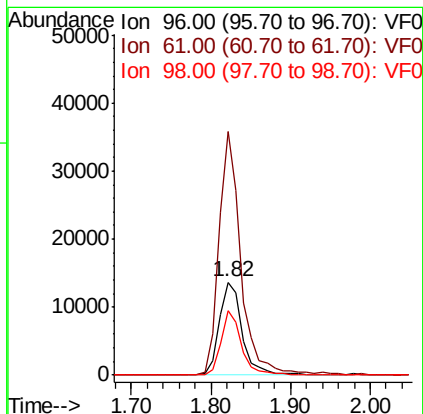
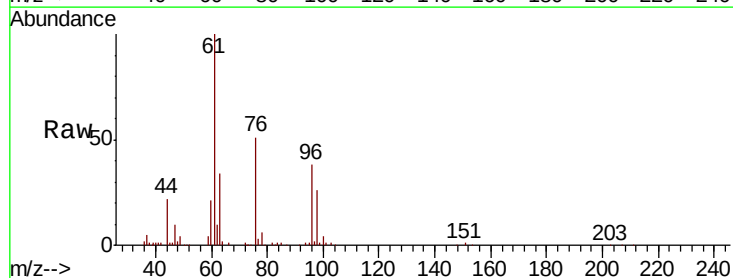
Tot Ion: 59 Resp: 15849
 Ion Ratio Lower Upper
 59 100
 57 11.5 6.8 10.2#

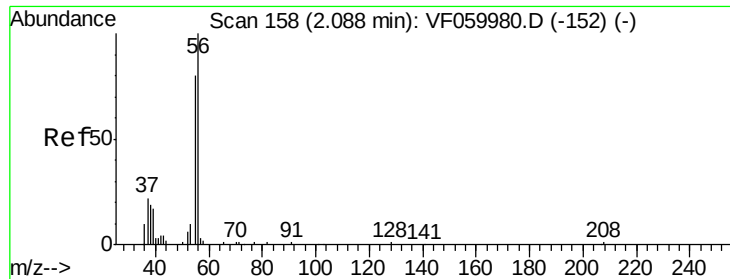


#12

1,1-Dichloroethene
 Concen: 24.25 ug/l
 RT: 1.82 min Scan# 131
 Delta R.T. -0.01 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Tgt Ion: 96 Resp: 27753
 Ion Ratio Lower Upper
 96 100
 61 262.9 175.6 263.4
 98 69.6 50.6 75.8





#13

Acrolein

Concen: 84.84 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

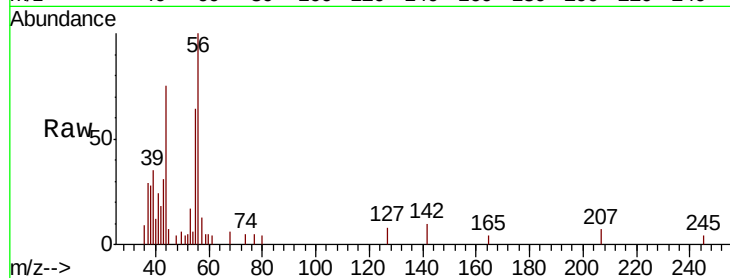
VF0820SBS01

Tot Ion: 56 Resp: 5619

Ion Ratio Lower Upper

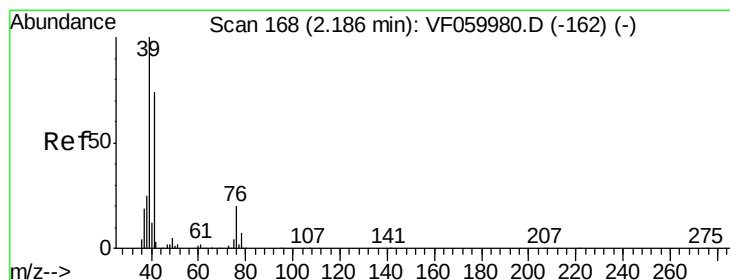
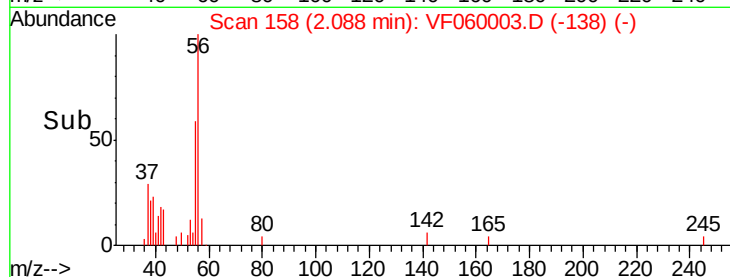
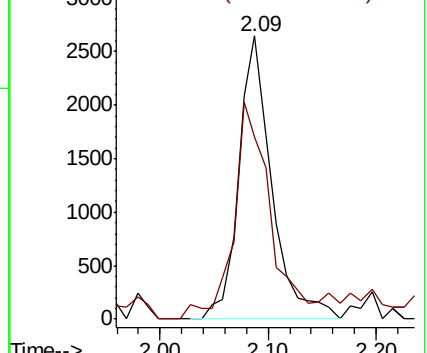
56 100

55 64.4 63.8 95.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 22.42 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

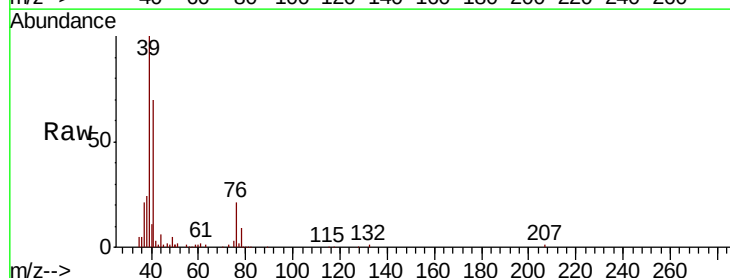
Tgt Ion: 41 Resp: 43540

Ion Ratio Lower Upper

41 100

39 142.0 109.3 163.9

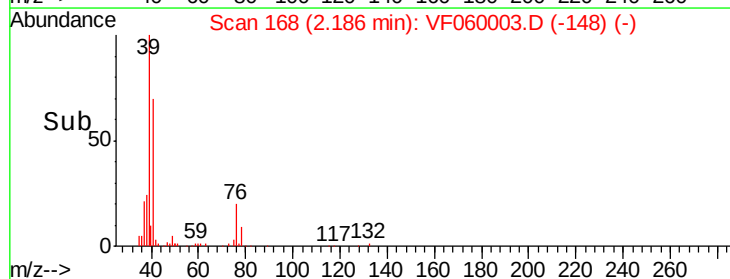
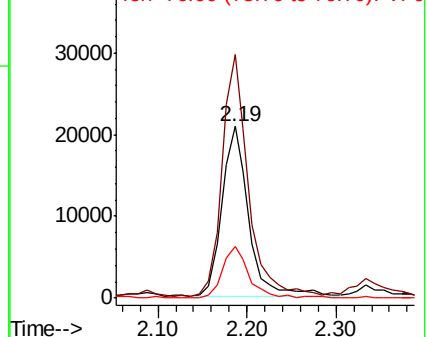
76 30.5 21.3 31.9

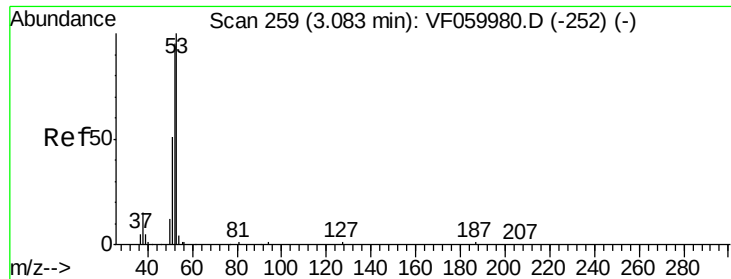


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 118.53 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

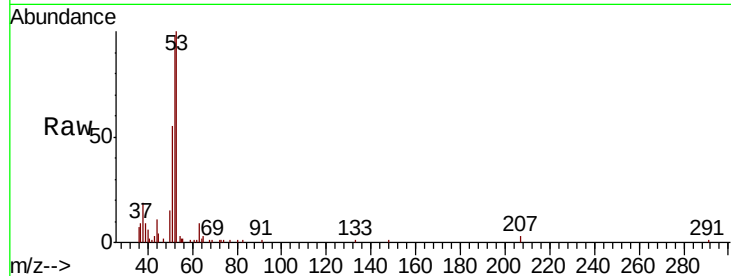
Tot Ion: 53 Resp: 26252

Ion Ratio Lower Upper

53 100

52 98.0 76.0 114.0

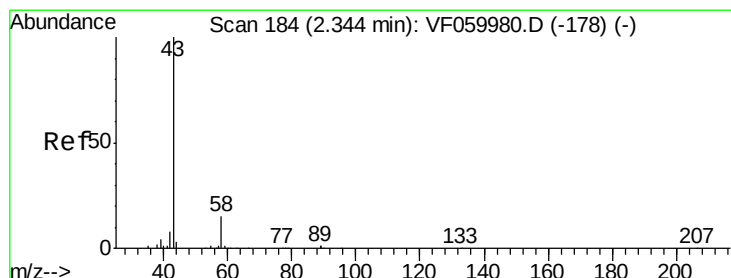
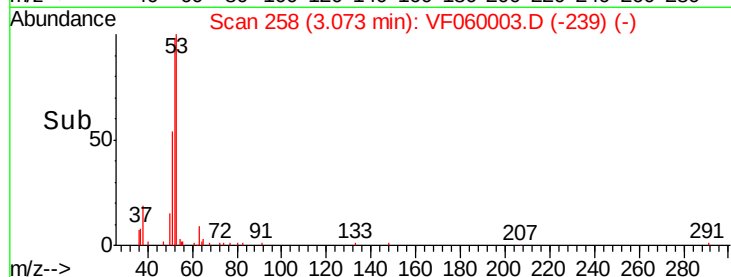
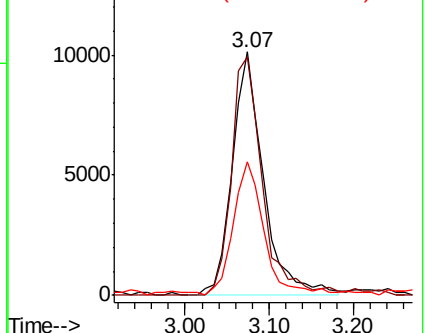
51 55.1 41.9 62.9



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: 131.07 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF060003.D

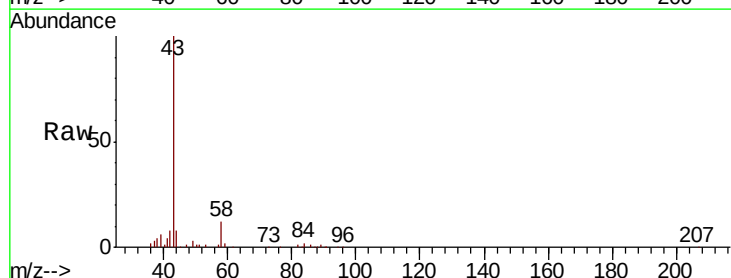
Acq: 20 Aug 2018 15:41

Tgt Ion: 43 Resp: 88846

Ion Ratio Lower Upper

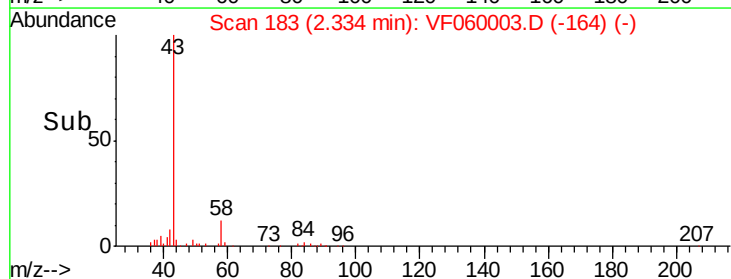
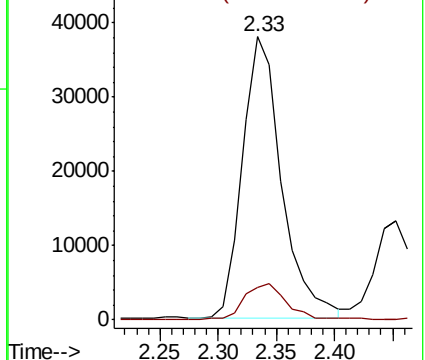
43 100

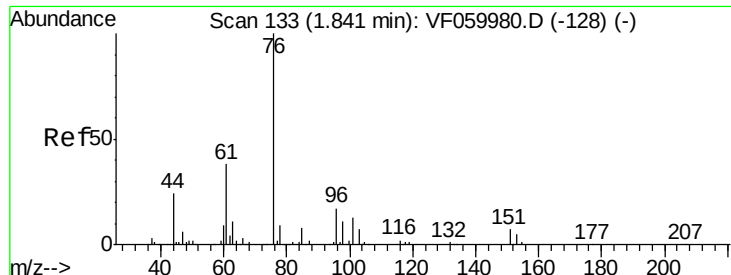
58 11.6 11.9 17.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 25.69 ug/l

RT: 1.84 min Scan# 133

Delta R.T. -0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

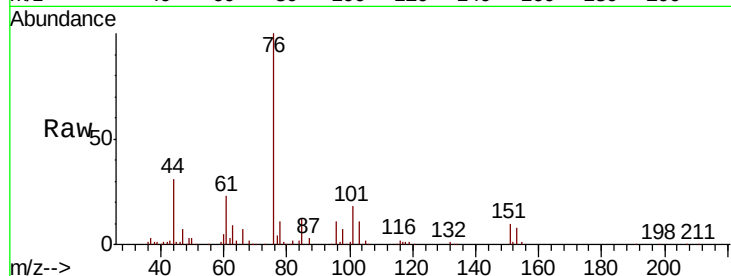
VF0820SBS01

Tot Ion: 76 Resp: 93439

Ion Ratio Lower Upper

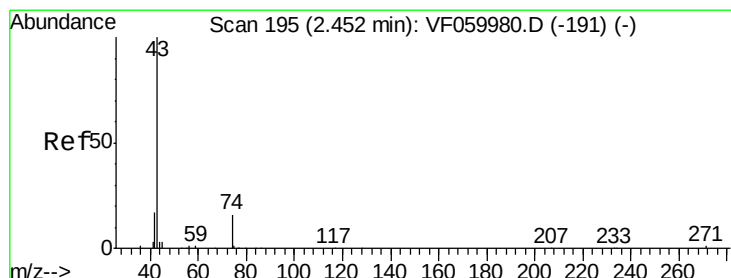
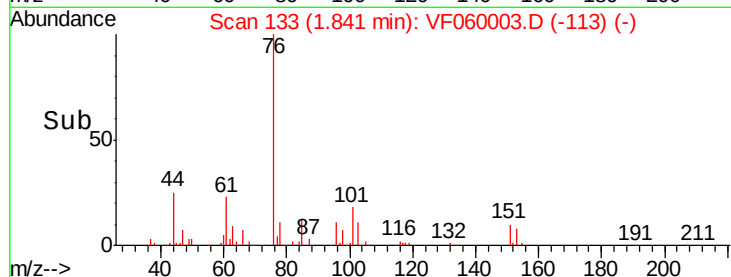
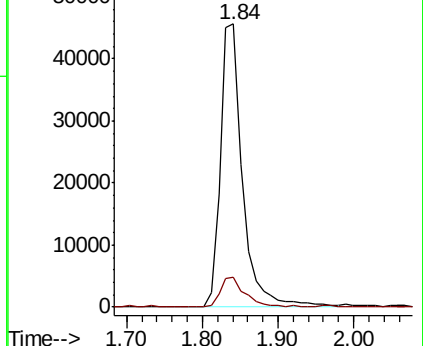
76 100

78 10.6 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 24.26 ug/l

RT: 2.53 min Scan# 203

Delta R.T. 0.08 min

Lab File: VF060003.D

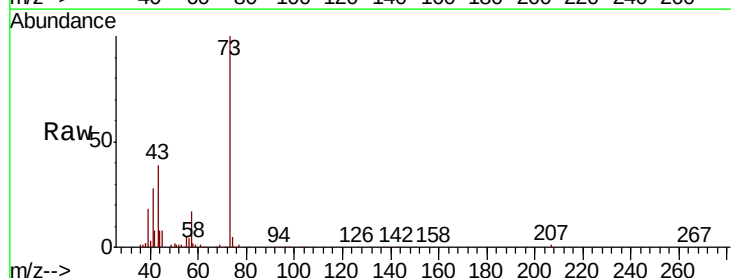
Acq: 20 Aug 2018 15:41

Tgt Ion: 43 Resp: 31059

Ion Ratio Lower Upper

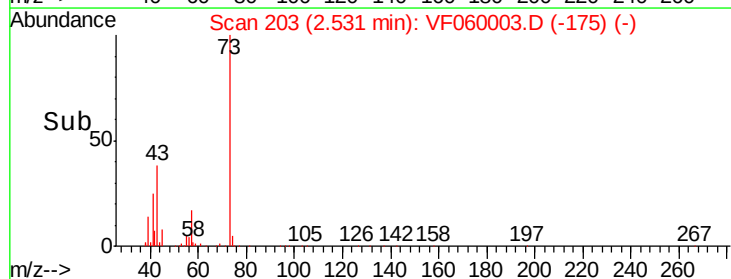
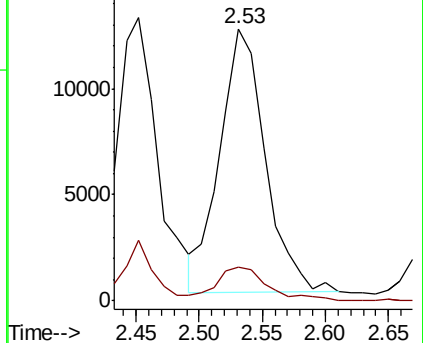
43 100

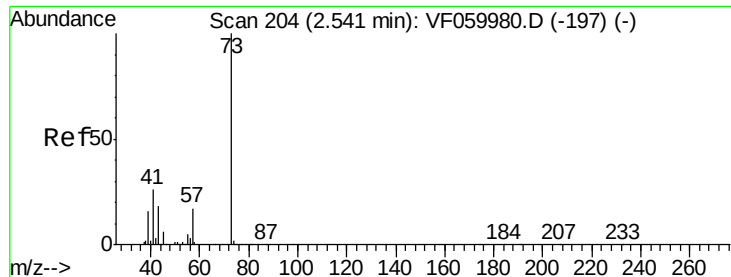
74 12.5 12.3 18.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



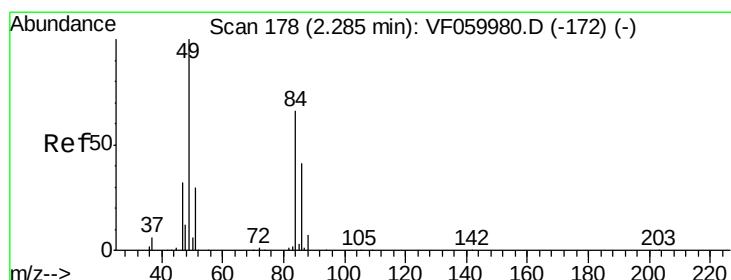
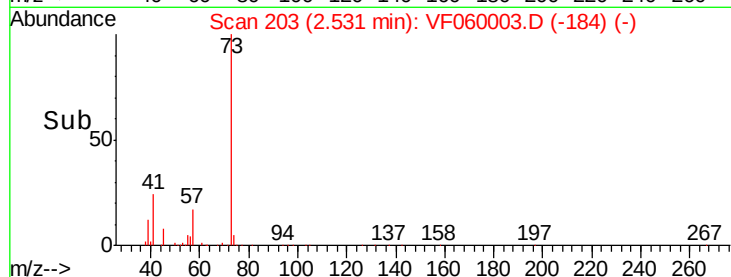
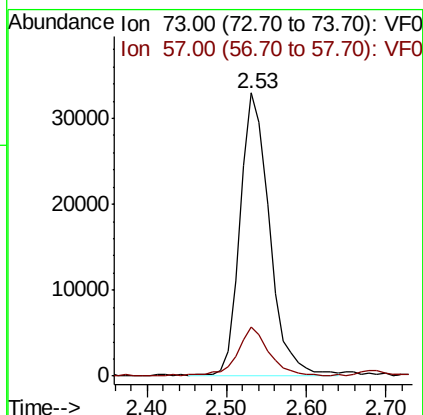
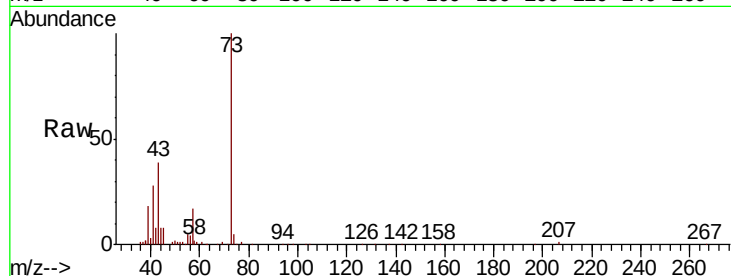


#19

Methyl tert-butyl Ether
 Concen: 22.50 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. -0.01 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

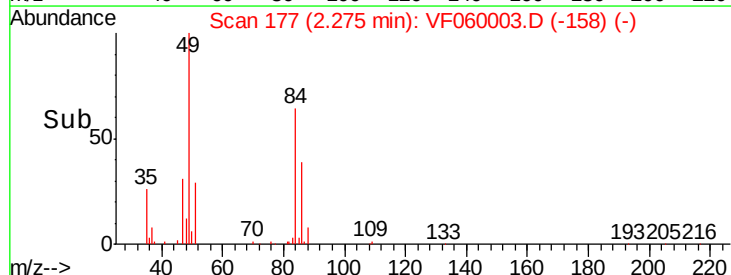
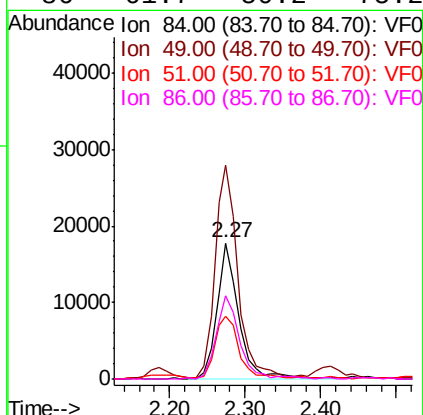
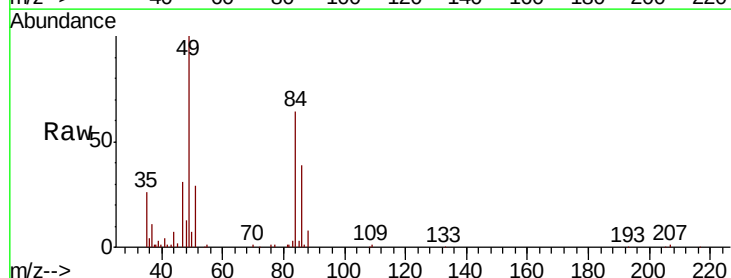
Tot Ion: 73 Resp: 84755
 Ion Ratio Lower Upper
 73 100
 57 17.2 14.2 21.2

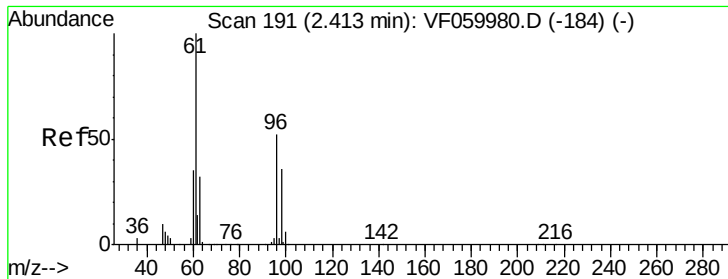


#20

Methylene Chloride
 Concen: 25.56 ug/l
 RT: 2.27 min Scan# 177
 Delta R.T. -0.01 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Tgt Ion: 84 Resp: 35925
 Ion Ratio Lower Upper
 84 100
 49 157.2 122.5 183.7
 51 45.8 37.1 55.7
 86 61.7 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 22.30 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

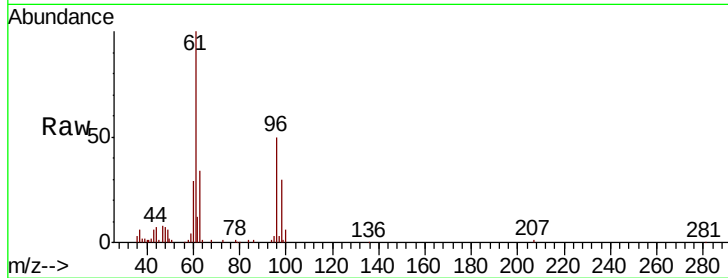
Tot Ion: 96 Resp: 27395

Ion Ratio Lower Upper

96 100

61 201.3 153.0 229.4

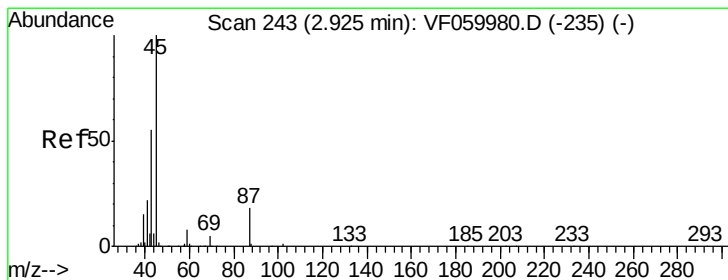
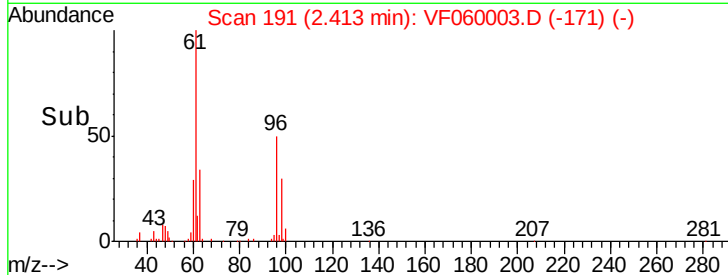
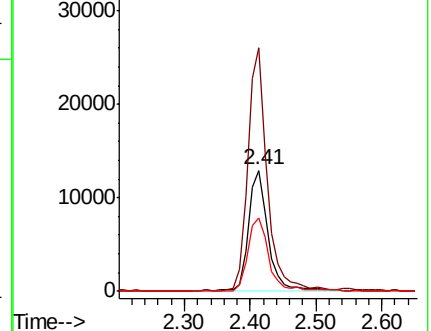
98 60.5 55.5 83.3



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: 22.53 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Tgt Ion: 45 Resp: 93576

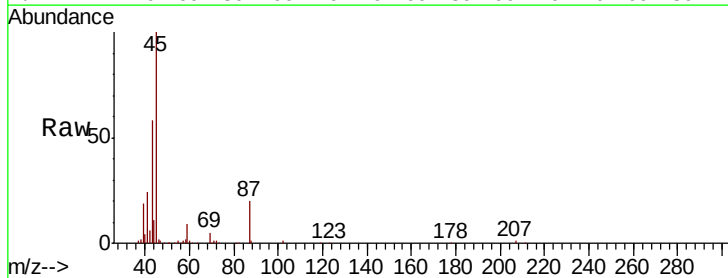
Ion Ratio Lower Upper

45 100

43 58.0 44.8 67.2

87 19.6 14.6 21.8

59 9.2 6.8 10.2

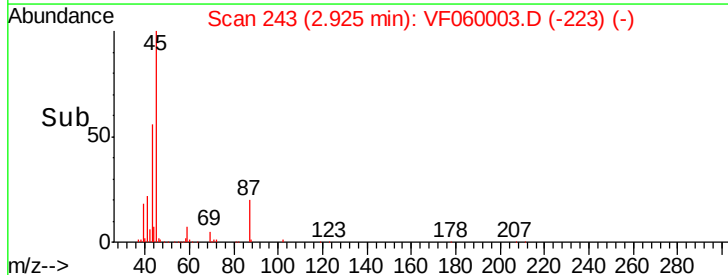
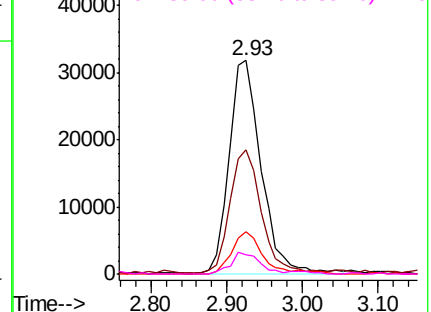


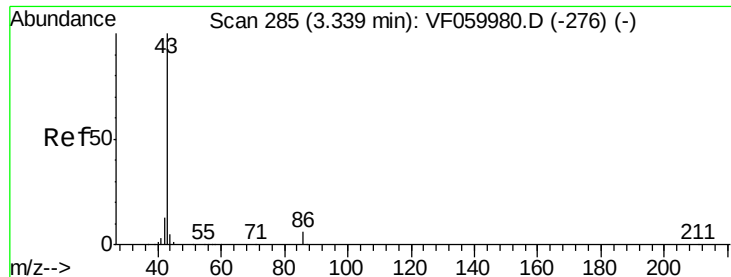
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 112.25 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

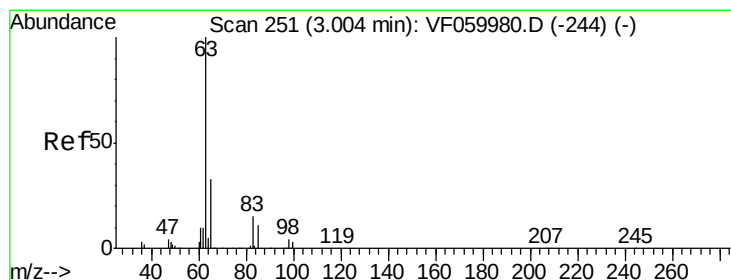
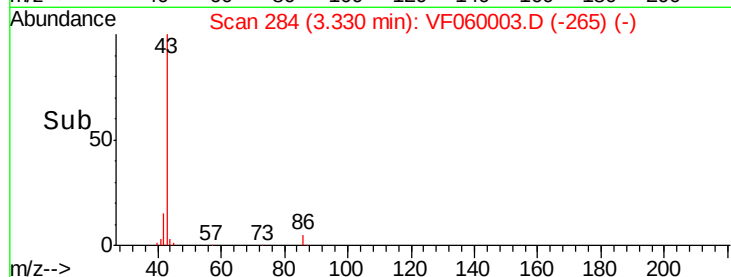
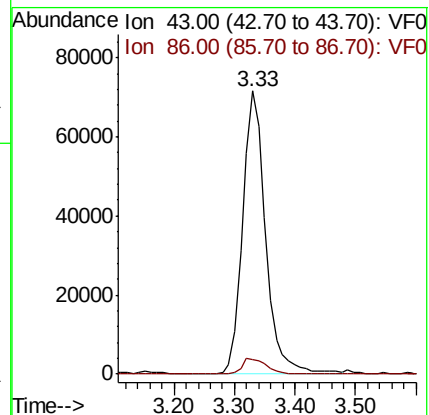
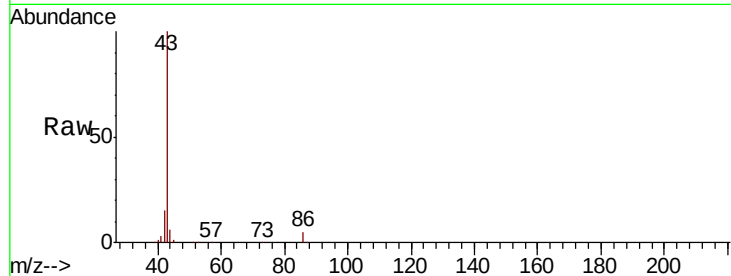
VF0820SBS01

Tot Ion: 43 Resp: 187692

Ion Ratio Lower Upper

43 100

86 4.9 4.4 6.6



#24

1,1-Dichloroethane

Concen: 23.35 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

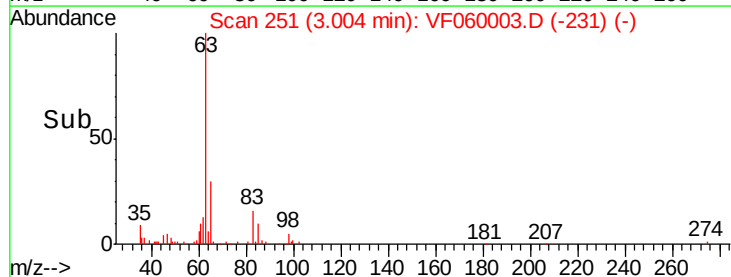
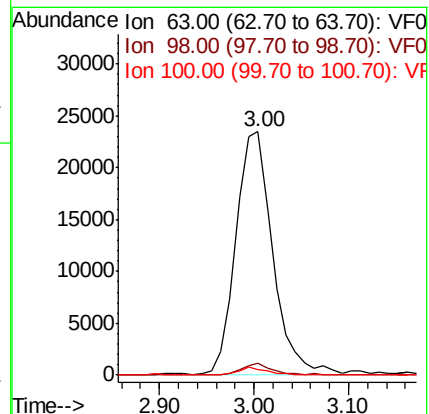
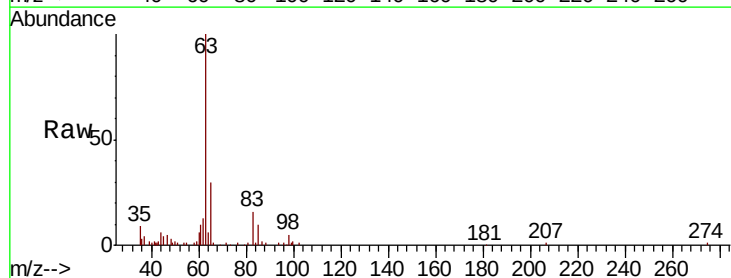
Tgt Ion: 63 Resp: 63604

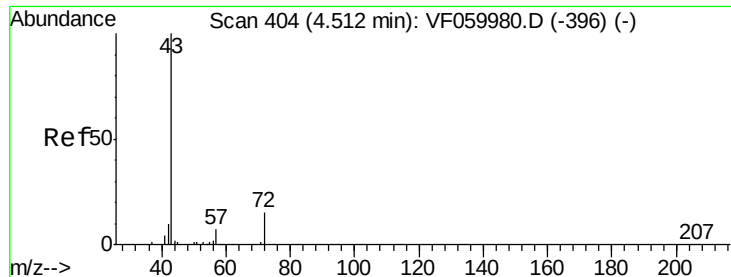
Ion Ratio Lower Upper

63 100

98 4.8 2.0 5.8

100 2.5 1.4 4.2





#25

2-Butanone

Concen: 113.71 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

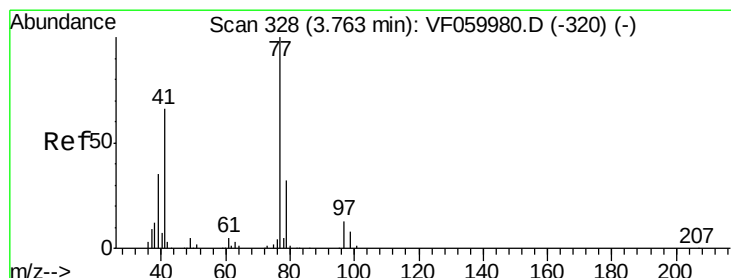
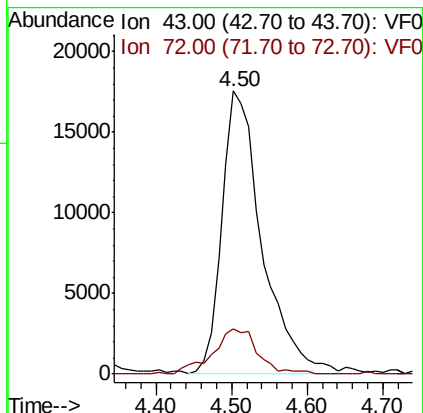
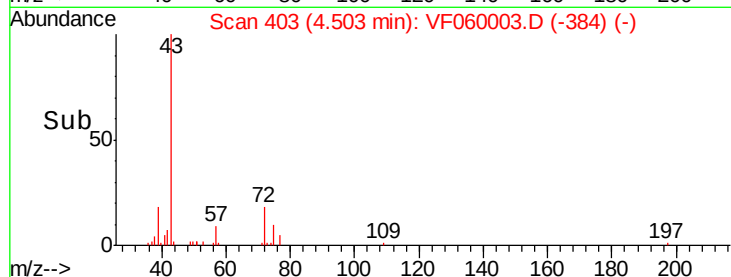
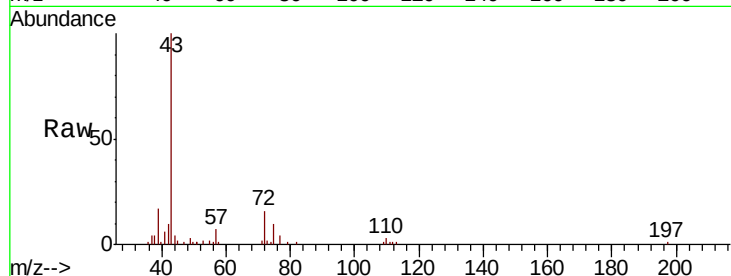
VF0820SBS01

Tot Ion: 43 Resp: 64605

Ion Ratio Lower Upper

43 100

72 16.0 12.5 18.7



#26

2,2-Dichloropropane

Concen: 24.93 ug/l

RT: 3.76 min Scan# 328

Delta R.T. -0.00 min

Lab File: VF060003.D

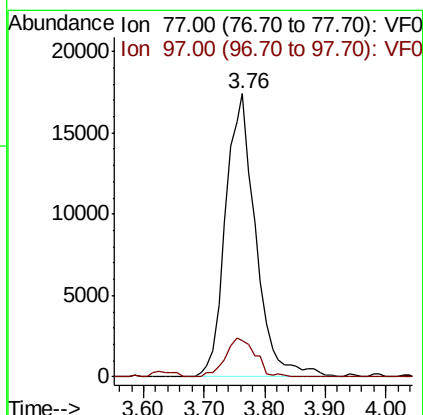
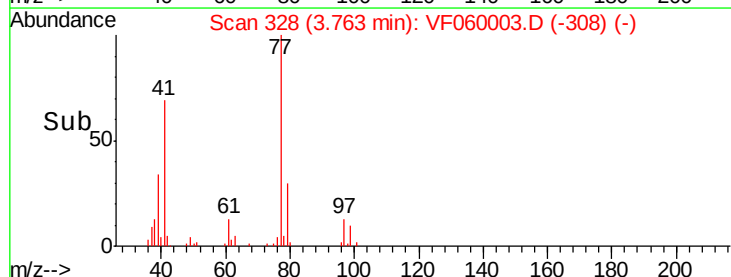
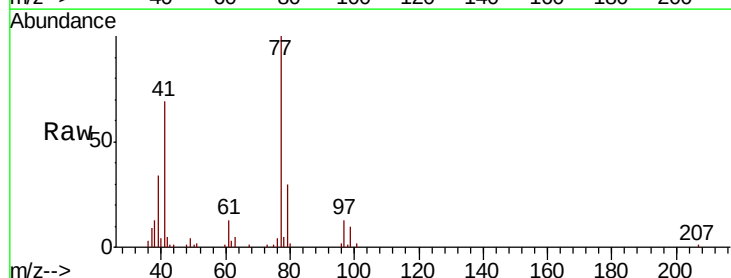
Acq: 20 Aug 2018 15:41

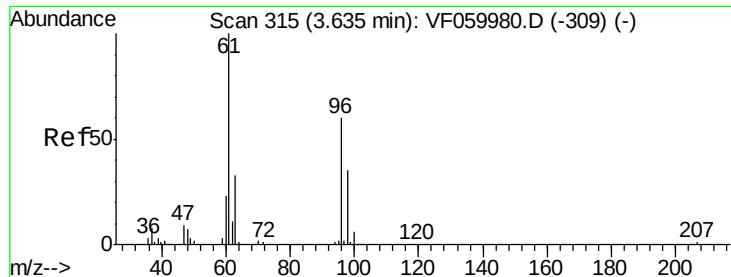
Tgt Ion: 77 Resp: 60140

Ion Ratio Lower Upper

77 100

97 12.9 6.7 20.0





#27

cis-1,2-Dichloroethene

Concen: 21.26 ug/l

RT: 3.64 min Scan# 315

Delta R.T. -0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

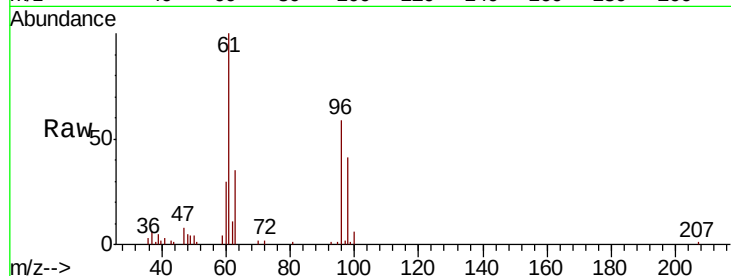
Tot Ion: 96 Resp: 23889

Ion Ratio Lower Upper

96 100

61 170.5 0.0 335.0

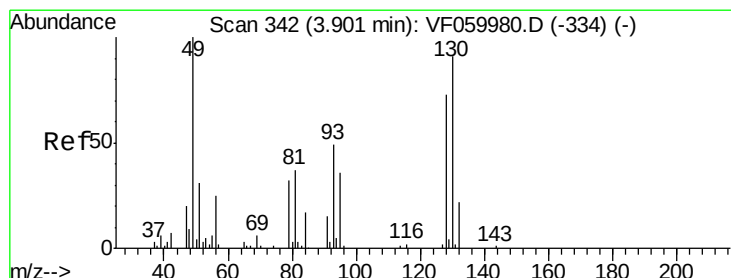
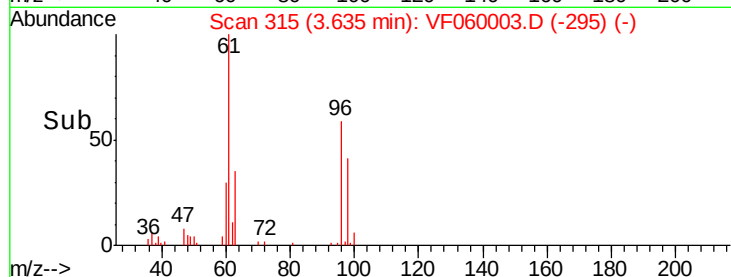
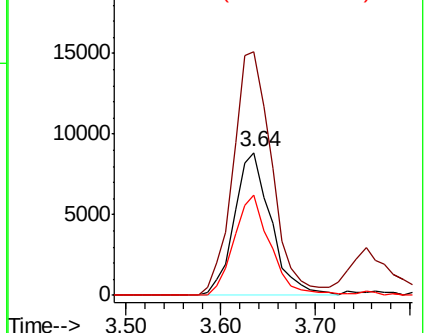
98 70.6 0.0 117.2



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



#28

Bromochloromethane

Concen: 21.62 ug/l

RT: 3.89 min Scan# 341

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

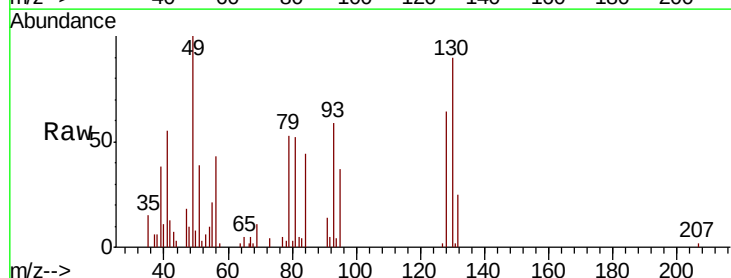
Tgt Ion: 49 Resp: 16896

Ion Ratio Lower Upper

49 100

129 0.0 0.0 7.6

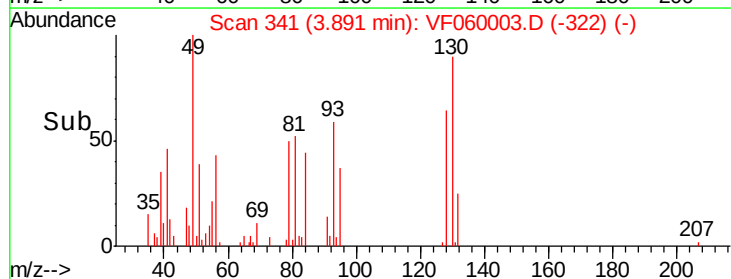
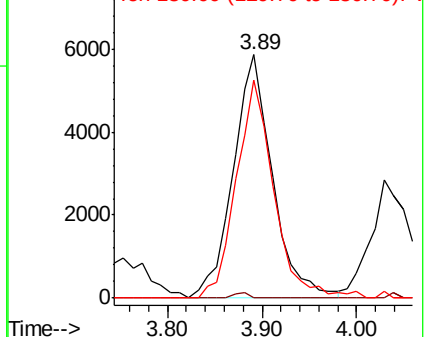
130 89.7 71.3 106.9

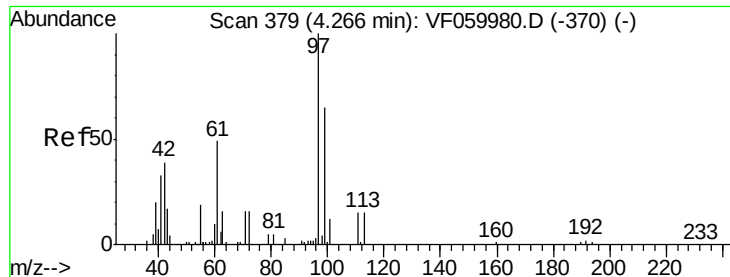


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 103.72 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.02 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

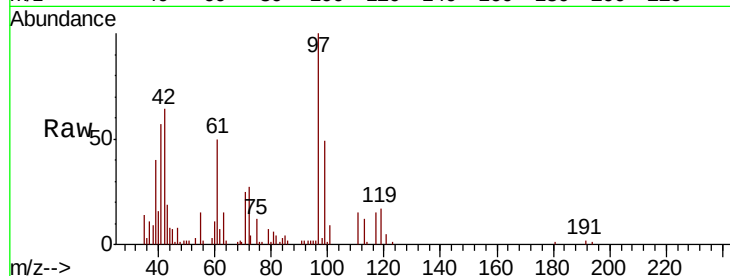
Tot Ion: 42 Resp: 21032

Ion Ratio Lower Upper

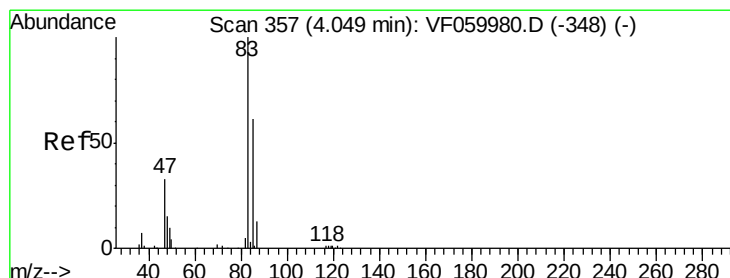
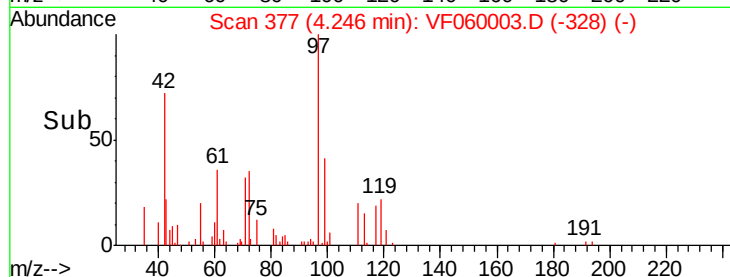
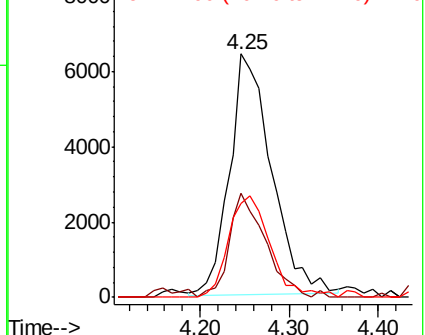
42 100

72 37.2 29.8 44.6

71 41.9 29.0 43.4



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



#30

Chloroform

Concen: 22.06 ug/l

RT: 4.04 min Scan# 356

Delta R.T. -0.01 min

Lab File: VF060003.D

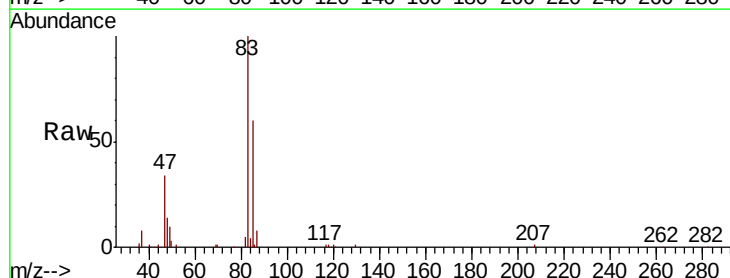
Acq: 20 Aug 2018 15:41

Tgt Ion: 83 Resp: 69457

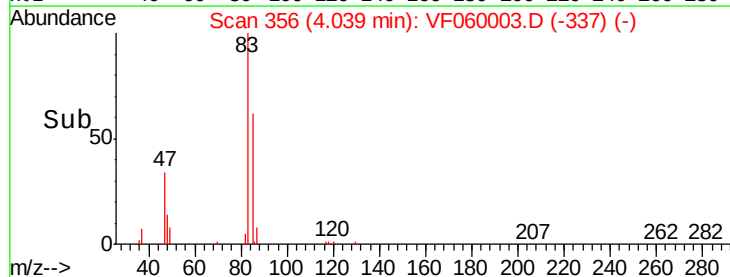
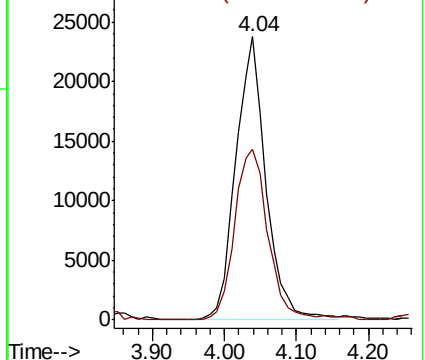
Ion Ratio Lower Upper

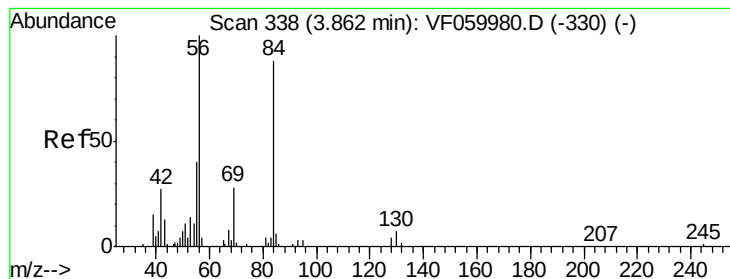
83 100

85 61.3 48.8 73.2



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





#31

Cyclohexane

Concen: 20.41 ug/l

RT: 3.86 min Scan# 338

Delta R.T. -0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

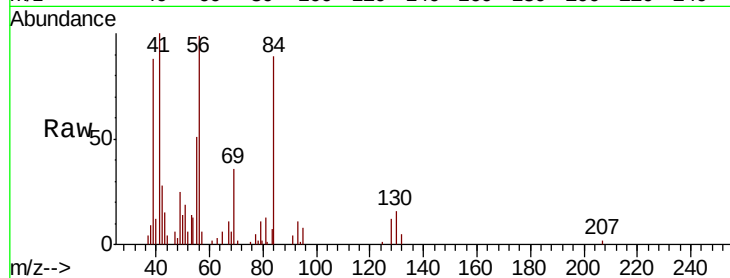
Tot Ion: 56 Resp: 25450

Ion Ratio Lower Upper

56 100

69 36.7 22.8 34.2#

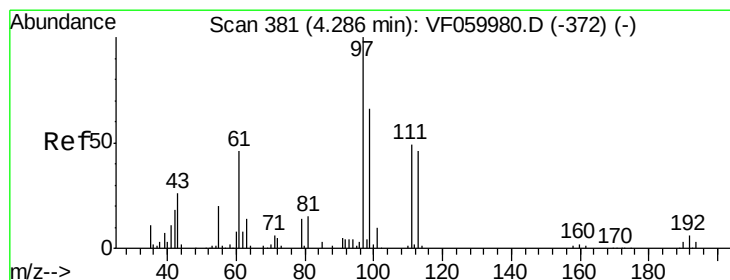
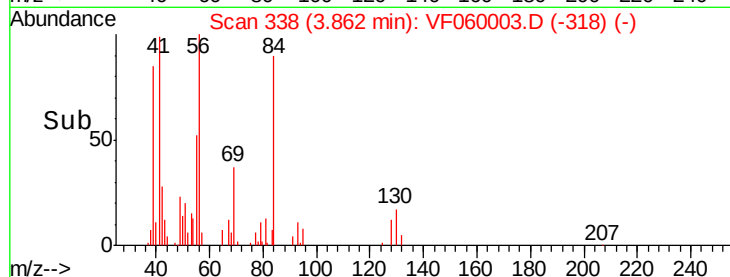
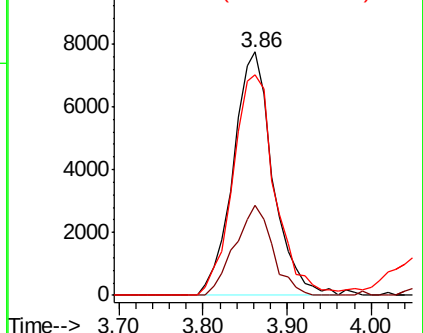
84 90.3 70.7 106.1



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 23.82 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

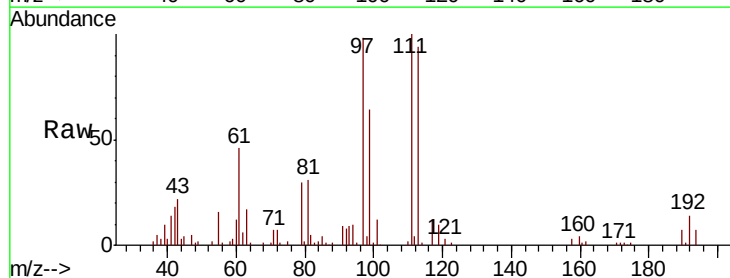
Tgt Ion: 97 Resp: 73208

Ion Ratio Lower Upper

97 100

99 64.8 53.1 79.7

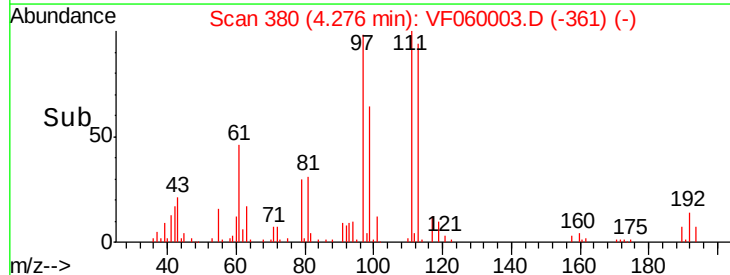
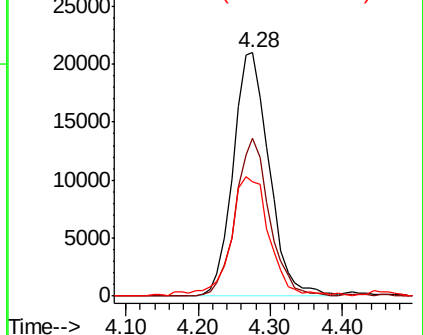
61 47.1 38.2 57.2

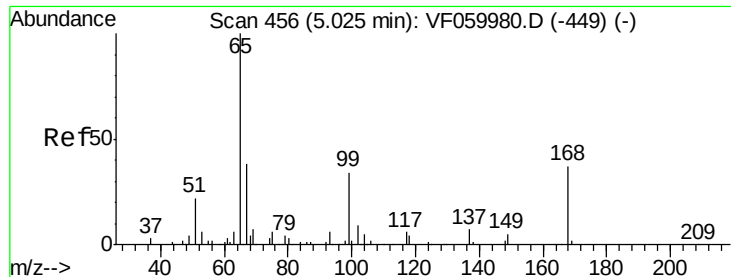


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

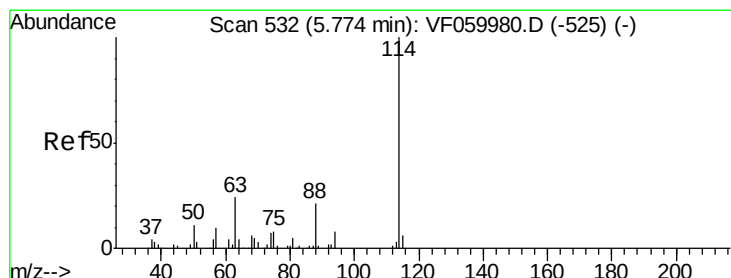
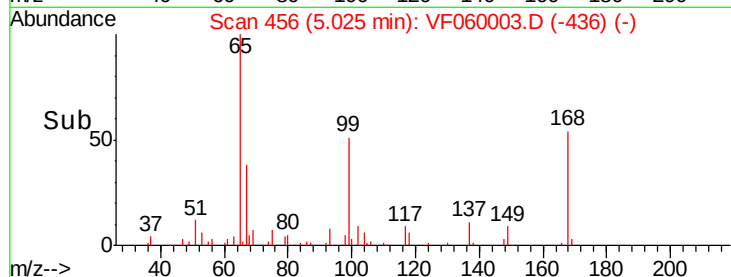
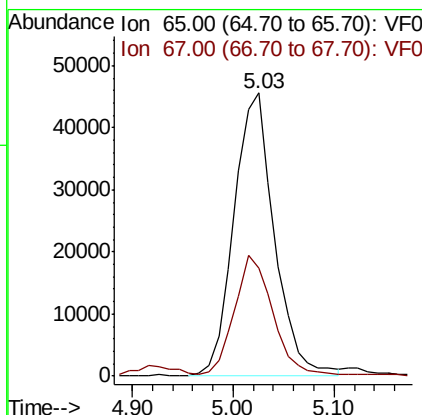
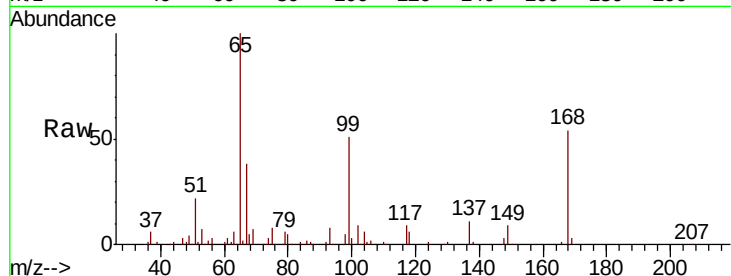




#33
 1,2-Dichloroethane-d4
 Concen: 54.24 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

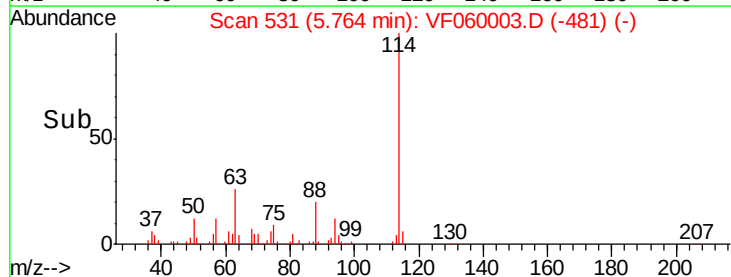
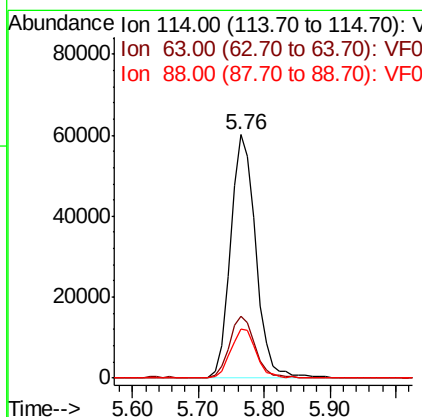
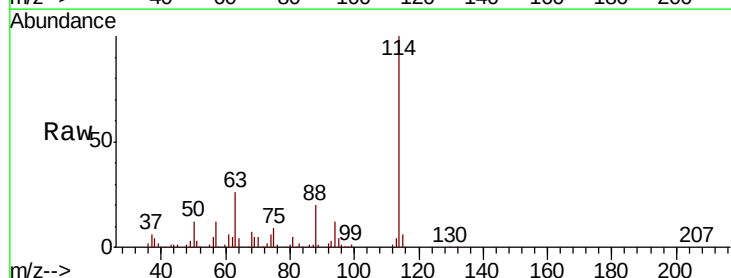
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBSD01

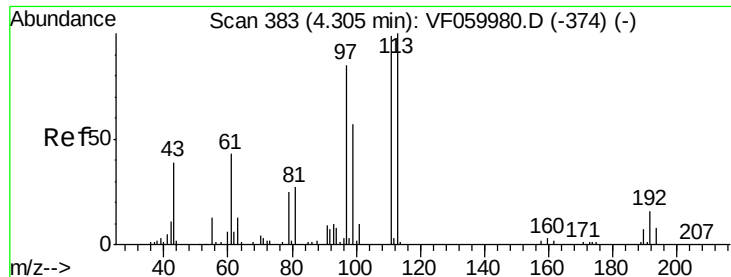
Tot Ion: 65 Resp: 127482
 Ion Ratio Lower Upper
 65 100
 67 38.3 0.0 82.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Tgt Ion: 114 Resp: 162441
 Ion Ratio Lower Upper
 114 100
 63 25.6 0.0 48.6
 88 20.2 0.0 42.8





#35

Dibromofluoromethane

Concen: 55.39 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.02 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

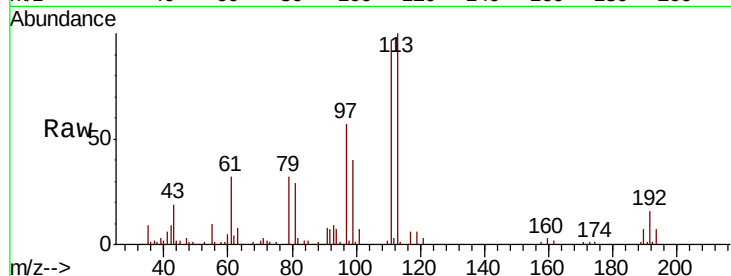
Tot Ion:113 Resp: 91963

Ion Ratio Lower Upper

113 100

111 97.1 79.5 119.3

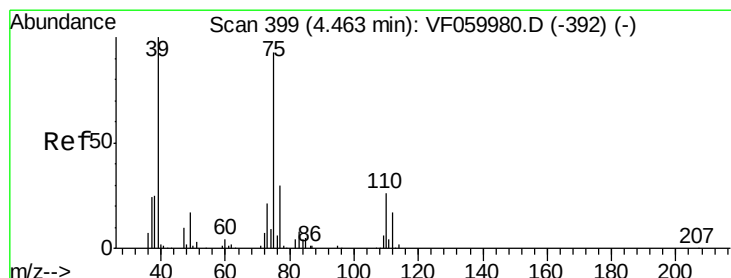
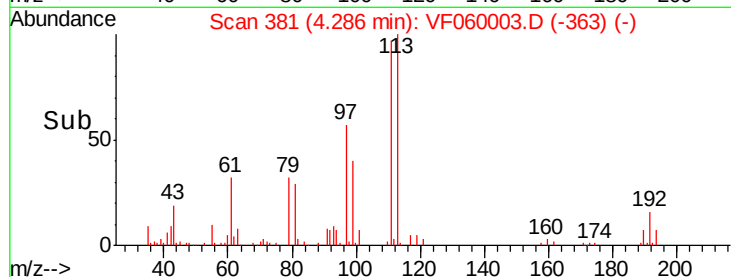
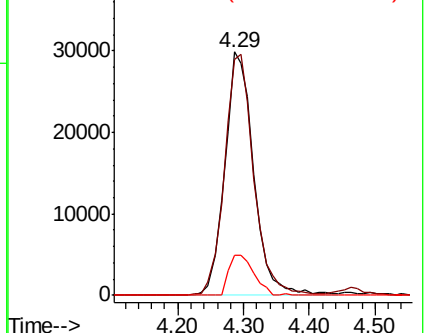
192 16.3 12.4 18.6



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: 22.75 ug/l

RT: 4.45 min Scan# 398

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

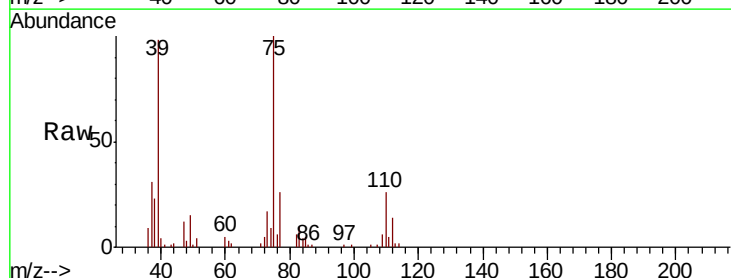
Tgt Ion: 75 Resp: 42087

Ion Ratio Lower Upper

75 100

110 26.0 13.8 41.4

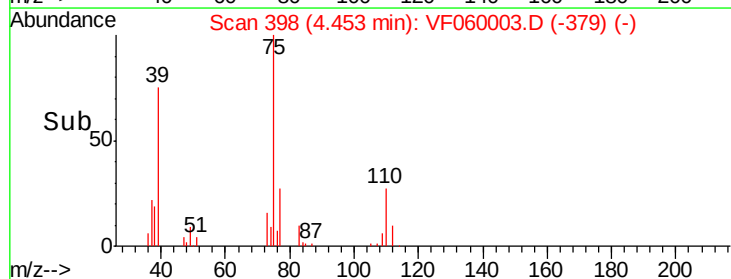
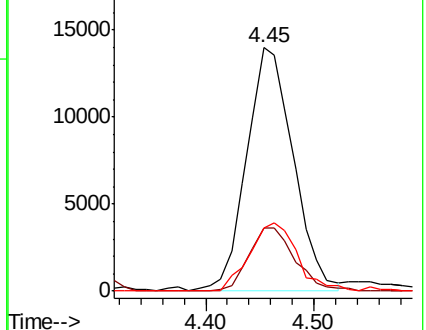
77 25.8 25.8 38.8#

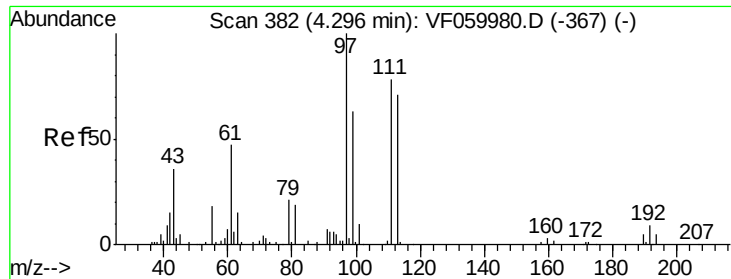


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 23.82 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

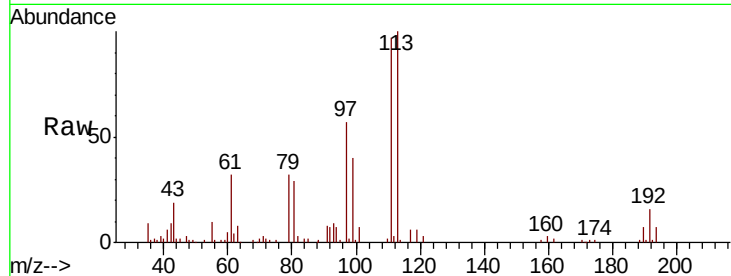
Tot Ion: 43 Resp: 24364

Ion Ratio Lower Upper

43 100

61 172.3 104.5 156.7#

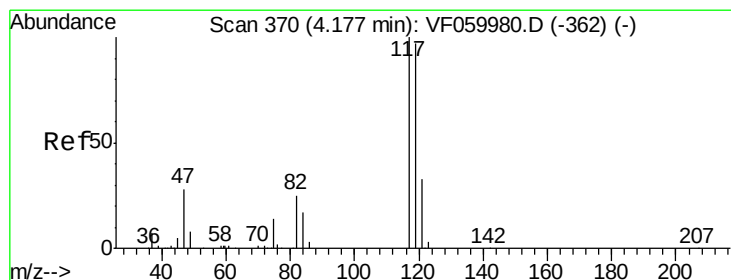
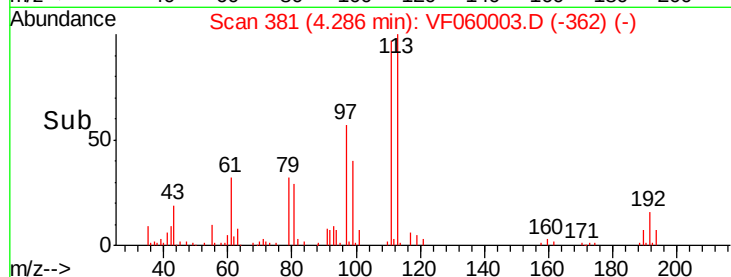
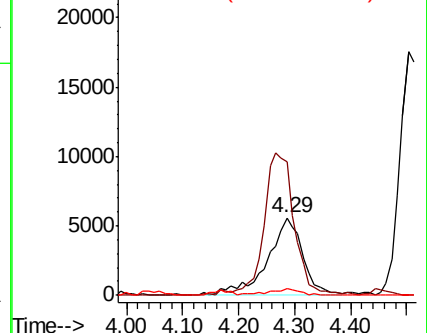
70 8.9 5.9 8.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 25.96 ug/l

RT: 4.17 min Scan# 369

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

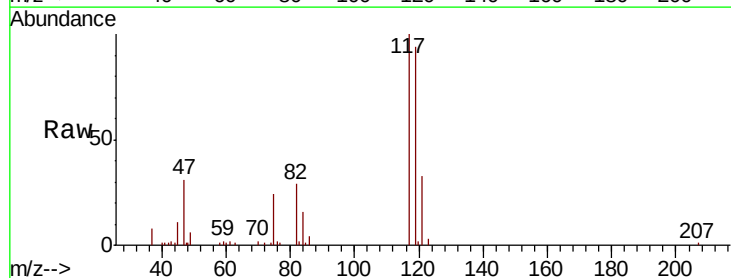
Tgt Ion: 117 Resp: 68886

Ion Ratio Lower Upper

117 100

119 93.6 77.8 116.6

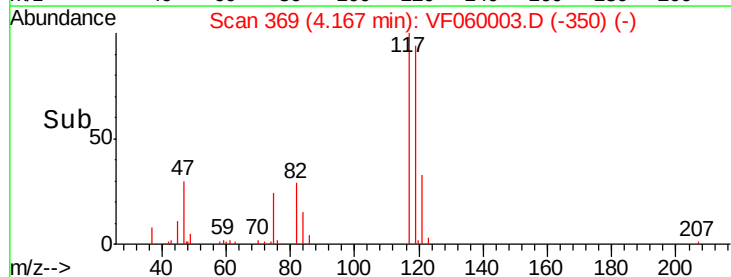
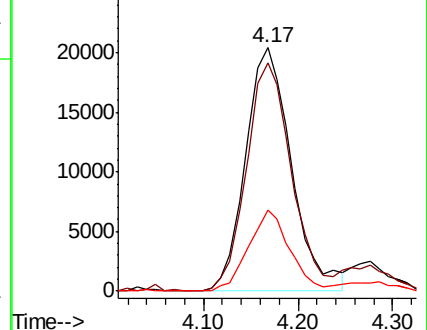
121 33.2 26.0 39.0

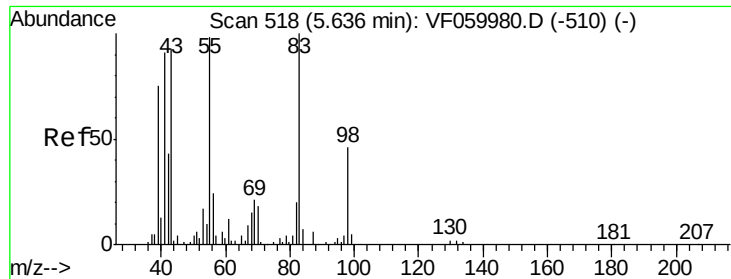


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

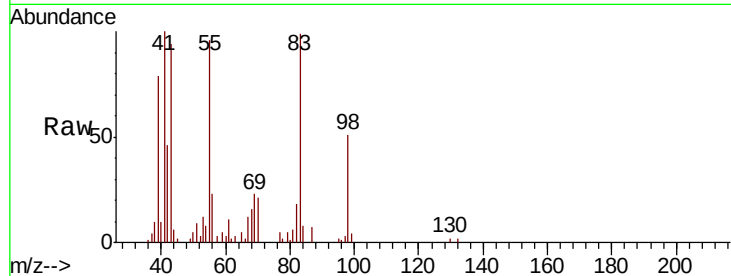




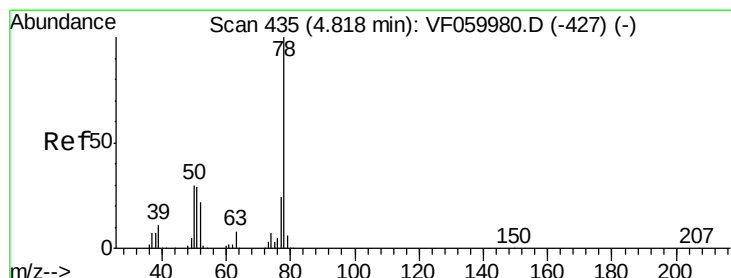
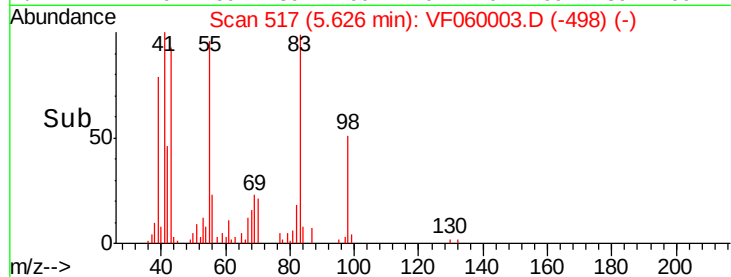
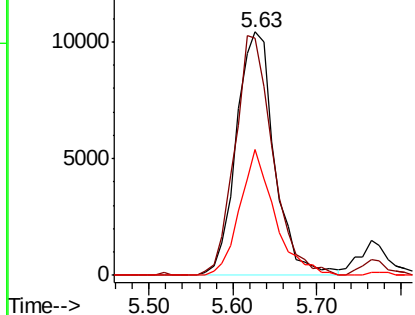
#39
Methylvlcyclohexane
Concen: 23.80 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion: 83 Resp: 33035
Ion Ratio Lower Upper
83 100
55 97.6 78.8 118.2
98 51.6 36.8 55.2

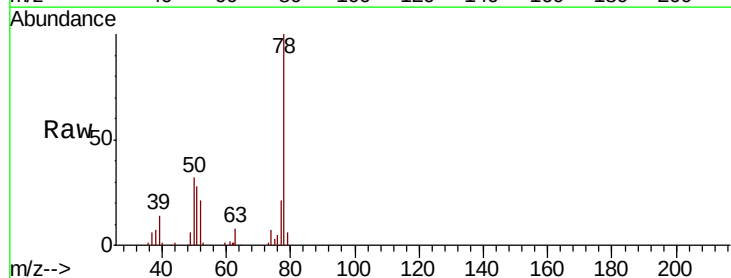


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

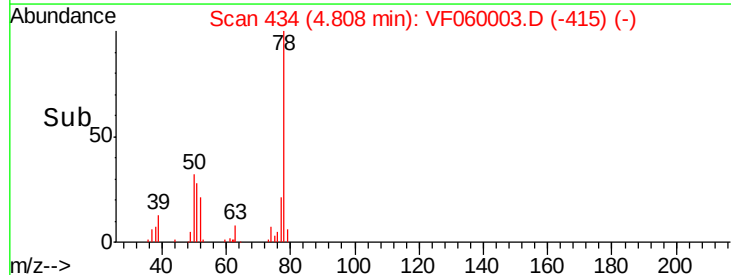
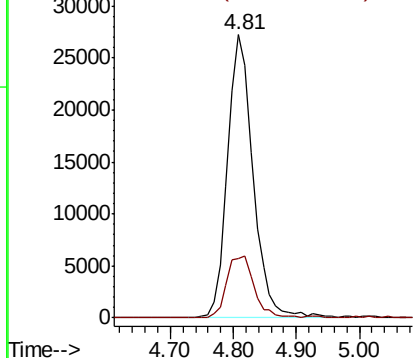


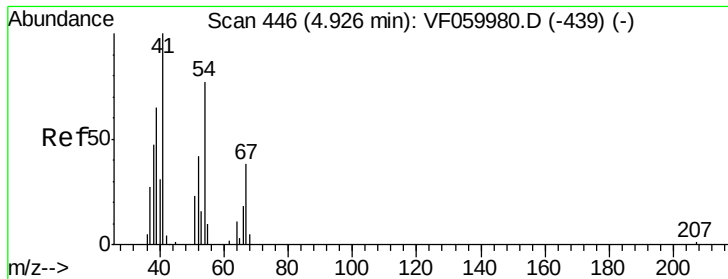
#40
Benzene
Concen: 24.41 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Tgt Ion: 78 Resp: 76444
Ion Ratio Lower Upper
78 100
77 20.9 19.1 28.7



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

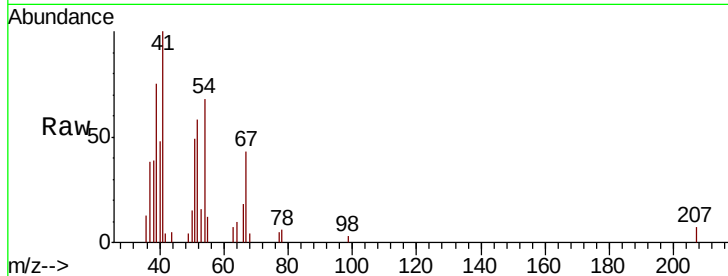




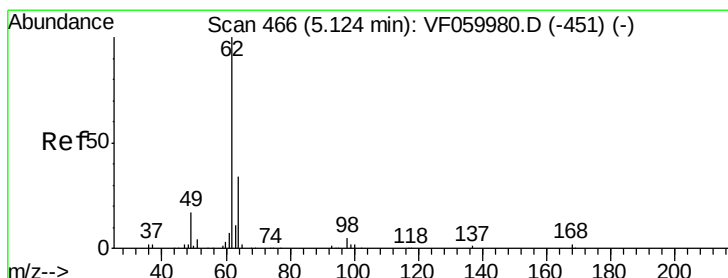
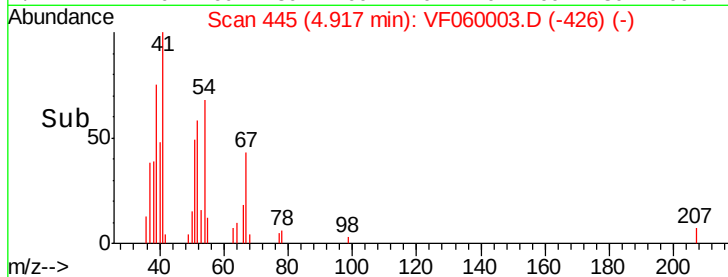
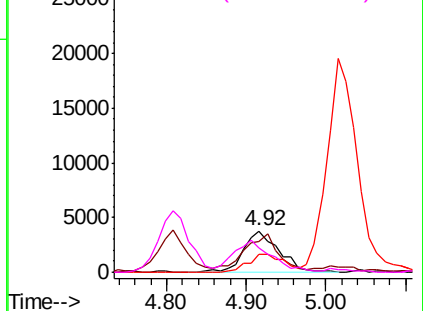
#41
Methacrylonitrile
Concen: 23.79 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion:	41	Resp:	11647
Ion	Ratio	Lower	Upper
41	100		
39	74.9	62.9	94.3
67	43.2	30.4	45.6
52	58.1	47.8	71.8

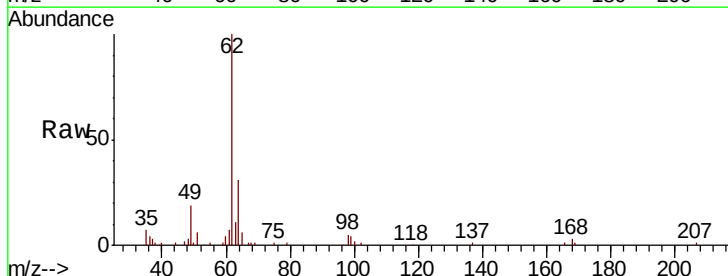


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

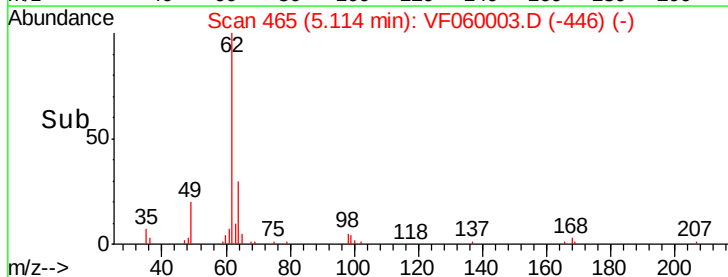
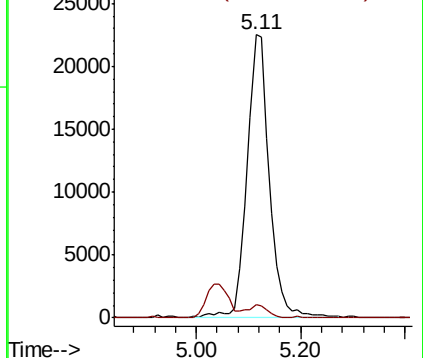


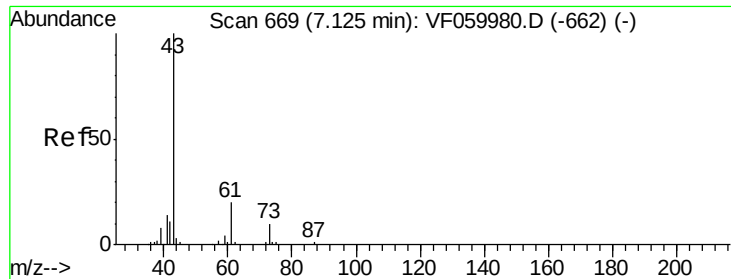
#42
1,2-Dichloroethane
Concen: 24.28 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Tgt Ion:	62	Resp:	64487
Ion	Ratio	Lower	Upper
62	100		
98	4.8	0.0	9.0



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





#43

Isopropyl Acetate

Concen: 24.05 ug/l

RT: 7.11 min Scan# 668

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

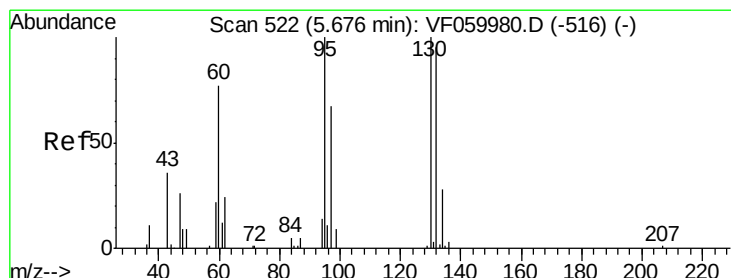
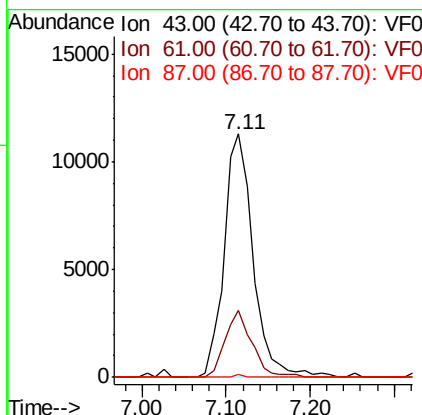
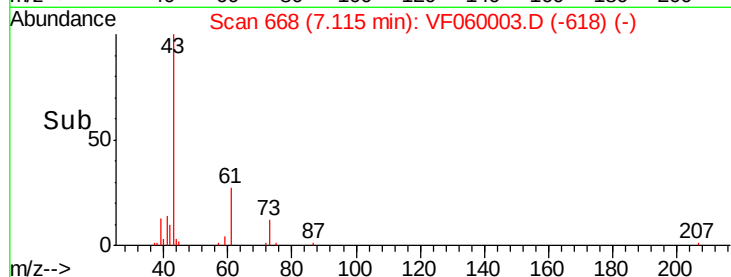
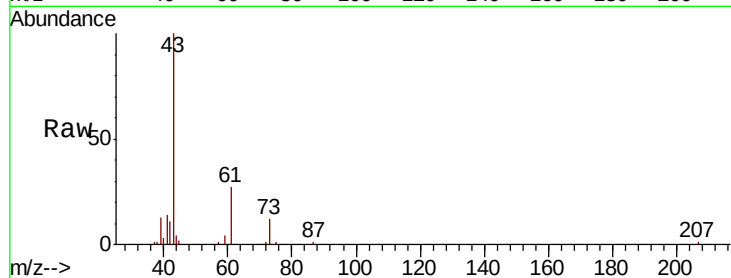
Tot Ion: 43 Resp: 27066

Ion Ratio Lower Upper

43 100

61 27.3 15.8 23.8#

87 1.1 0.6 0.8#



#44

Trichloroethene

Concen: 22.99 ug/l

RT: 5.68 min Scan# 522

Delta R.T. -0.00 min

Lab File: VF060003.D

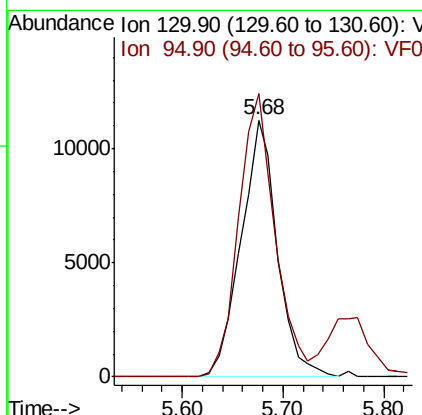
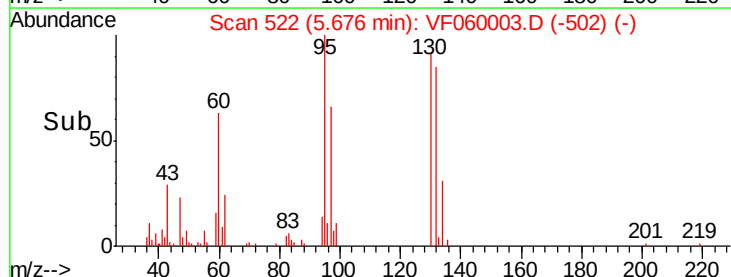
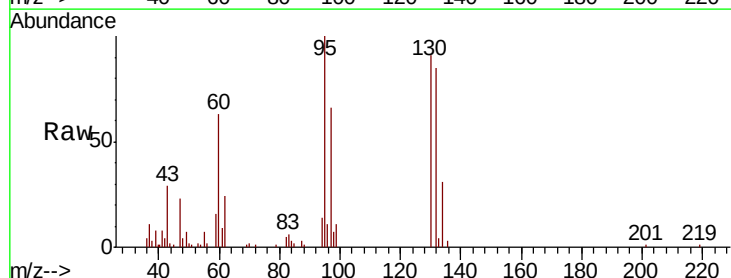
Acq: 20 Aug 2018 15:41

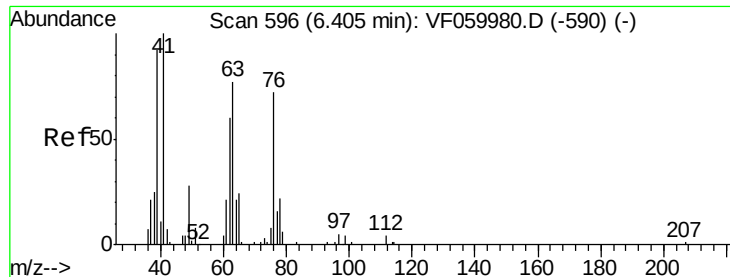
Tgt Ion:130 Resp: 28102

Ion Ratio Lower Upper

130 100

95 110.3 0.0 201.8

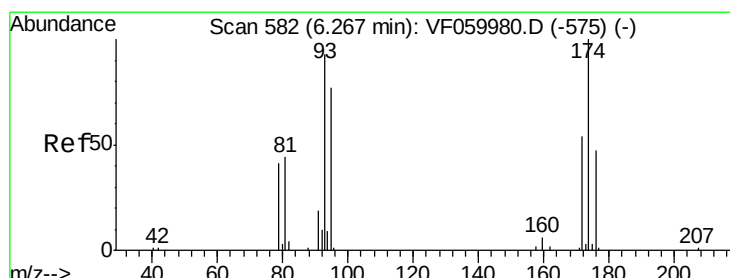
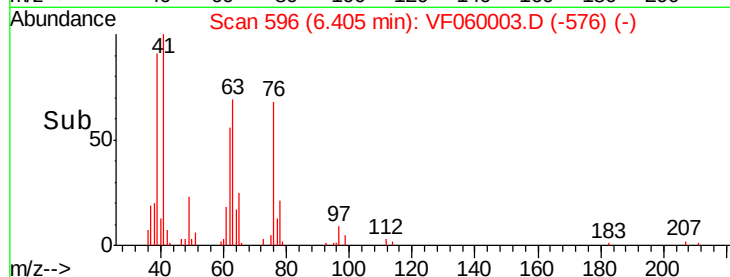
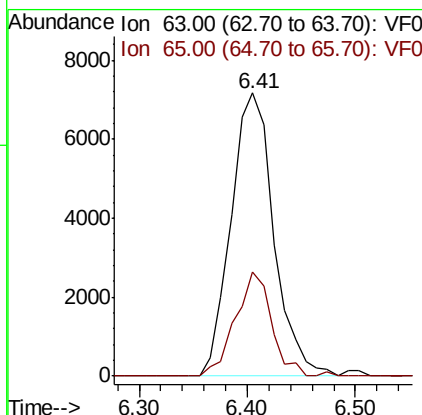
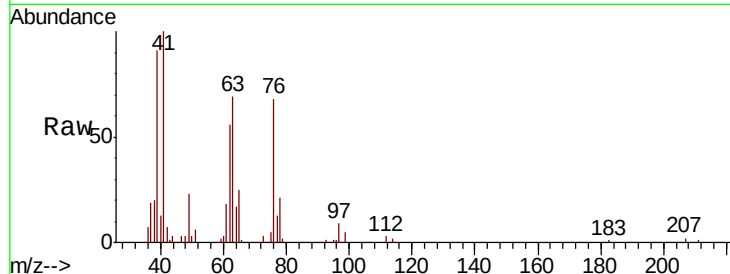




#45
 1,2-Dichloropropane
 Concen: 21.97 ug/l
 RT: 6.41 min Scan# 596
 Delta R.T. 0.00 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

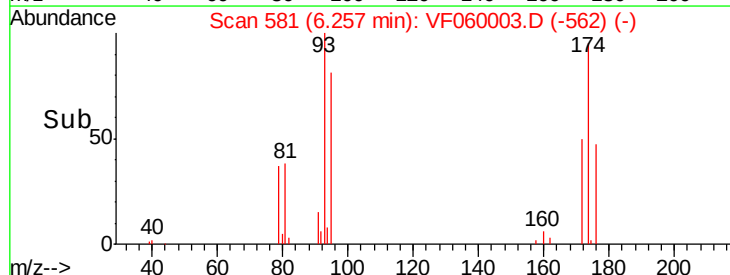
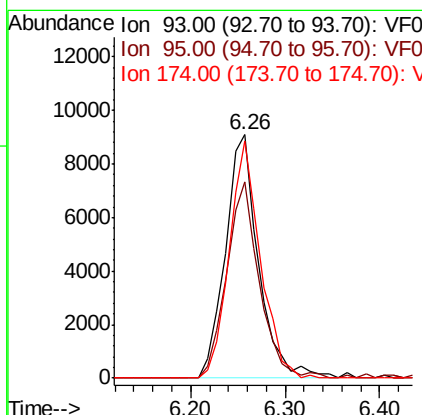
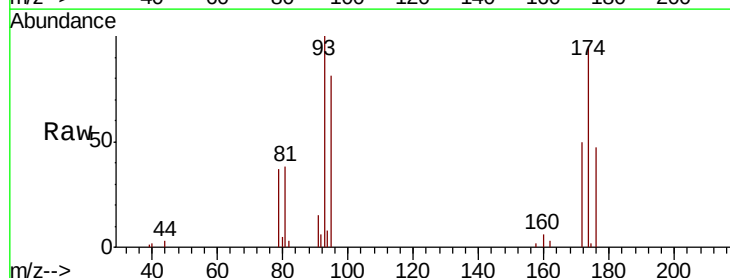
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

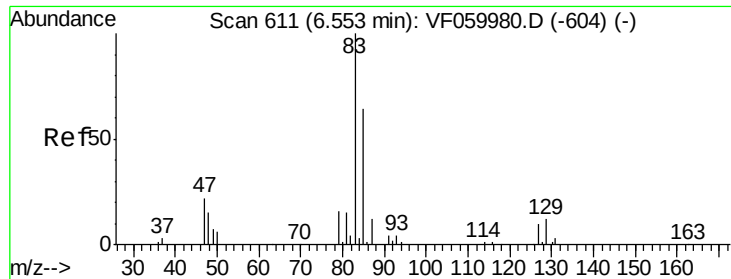
Tot Ion: 63 Resp: 19686
 Ion Ratio Lower Upper
 63 100
 65 36.7 25.0 37.6



#46
 Dibromomethane
 Concen: 24.95 ug/l
 RT: 6.26 min Scan# 581
 Delta R.T. -0.01 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Tgt Ion: 93 Resp: 22041
 Ion Ratio Lower Upper
 93 100
 95 80.6 67.0 100.4
 174 97.2 85.7 128.5





#47

Bromodichloromethane

Concen: 23.67 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

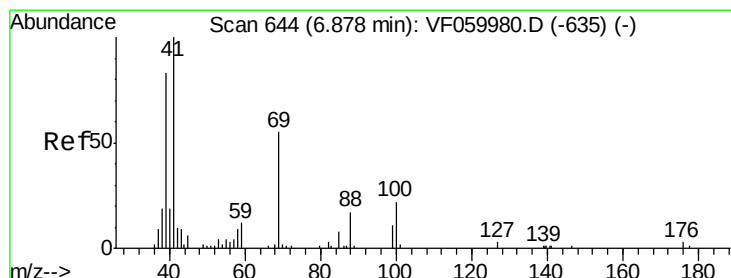
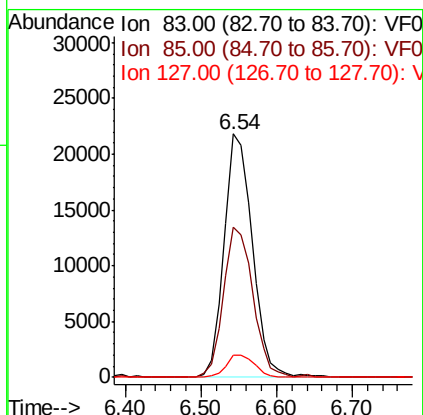
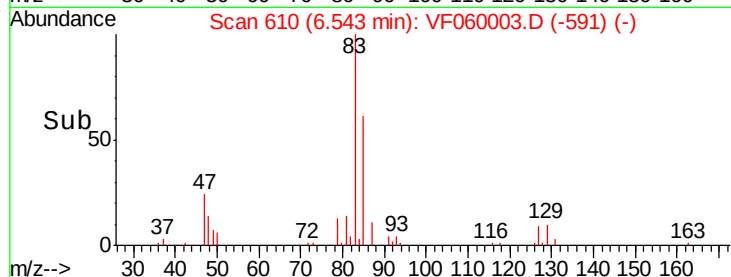
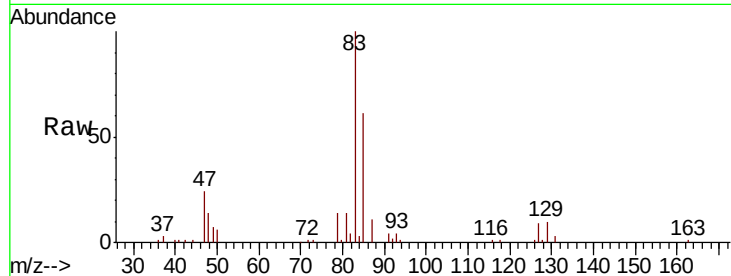
Tot Ion: 83 Resp: 56463

Ion Ratio Lower Upper

83 100

85 61.5 51.4 77.0

127 9.3 8.2 12.2



#48

Methyl methacrylate

Concen: 31.29 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

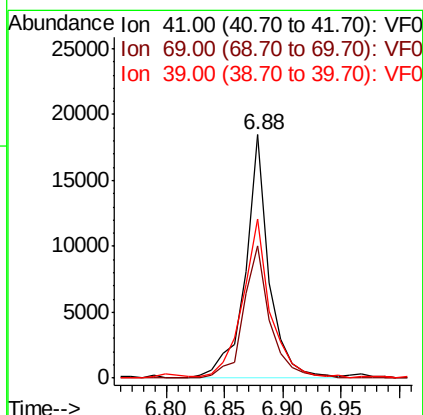
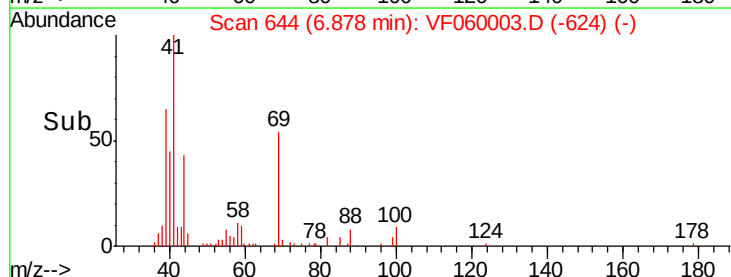
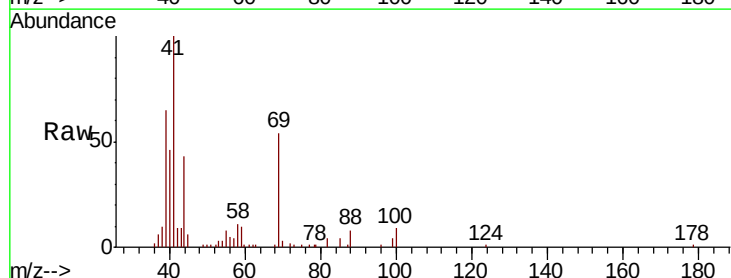
Tgt Ion: 41 Resp: 26218

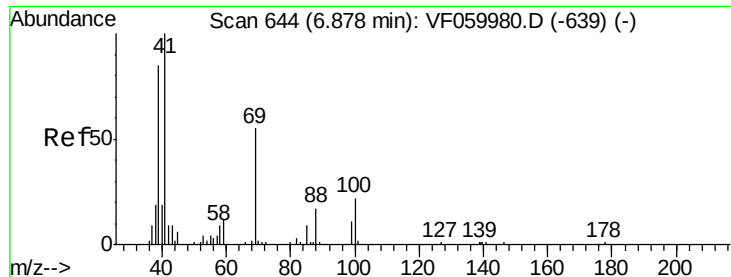
Ion Ratio Lower Upper

41 100

69 54.1 44.4 66.6

39 65.5 67.8 101.6#





#49

1,4-Dioxane

Concen: 574.66 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBSD01

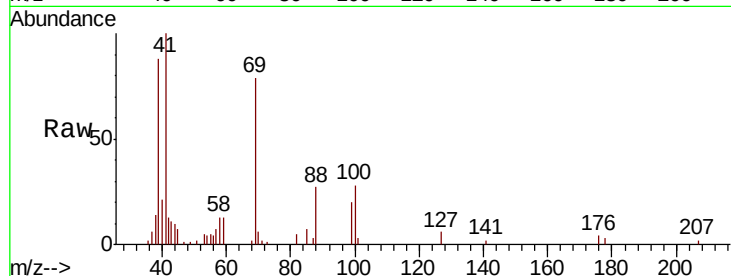
Tot Ion: 88 Resp: 4035

Ion Ratio Lower Upper

88 100

43 41.1 43.2 64.8#

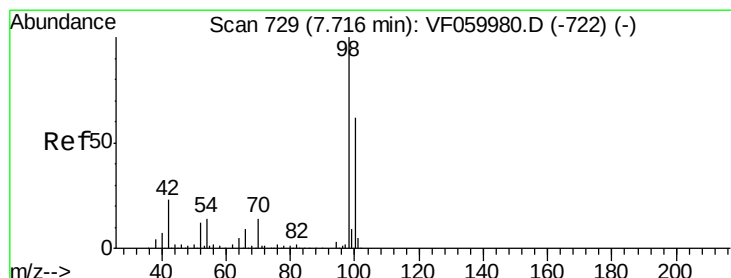
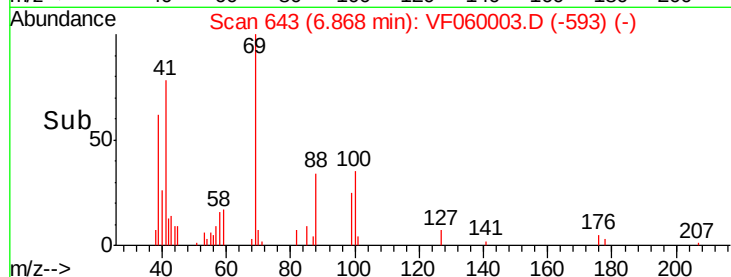
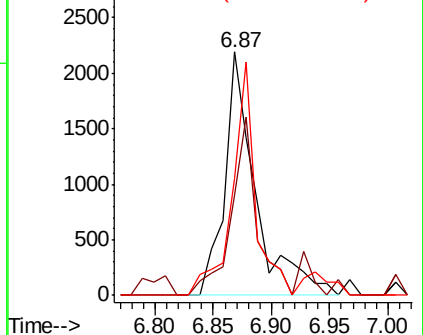
58 48.0 42.0 63.0



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 55.66 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF060003.D

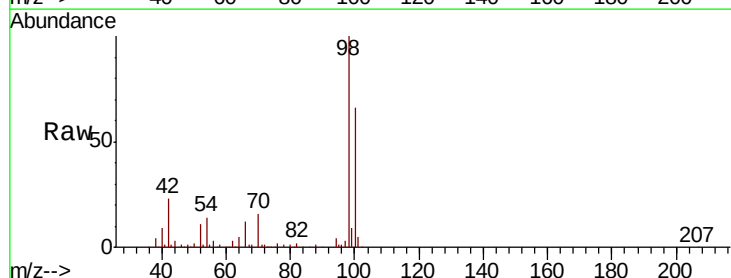
Acq: 20 Aug 2018 15:41

Tgt Ion: 98 Resp: 205498

Ion Ratio Lower Upper

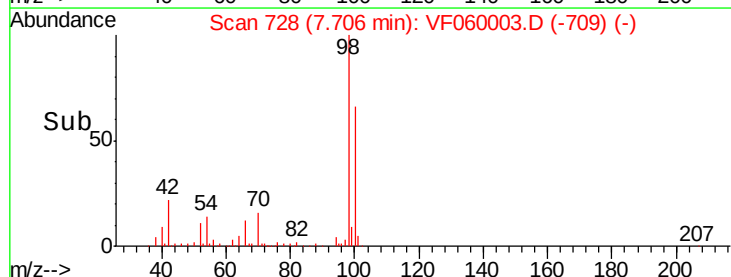
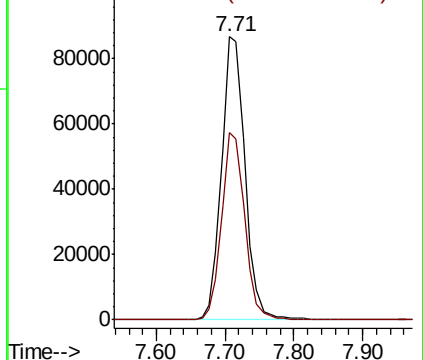
98 100

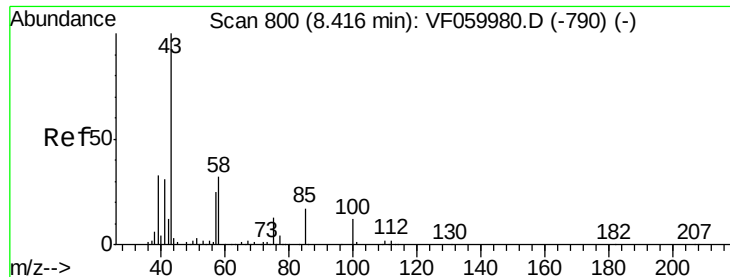
100 66.3 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 124.24 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

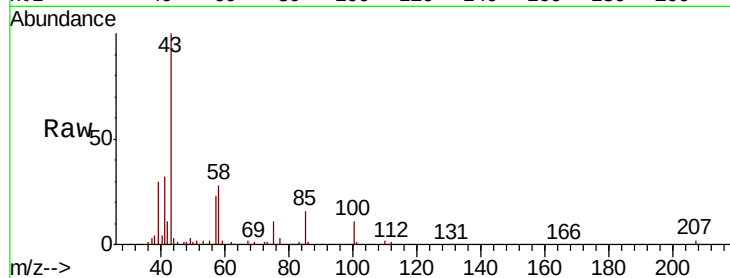
VF0820SBS01

Tot Ion: 43 Resp: 130628

Ion Ratio Lower Upper

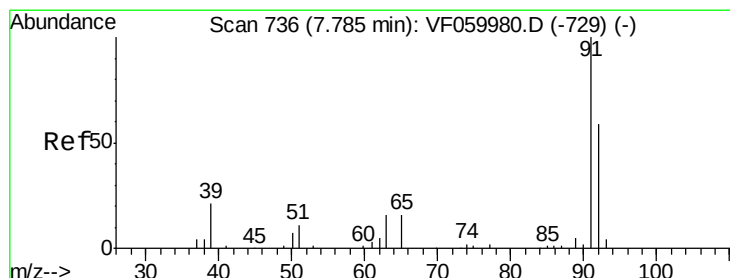
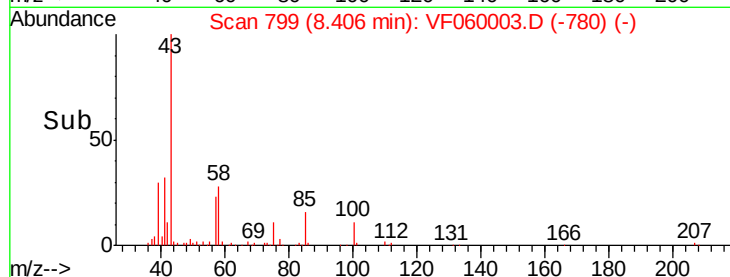
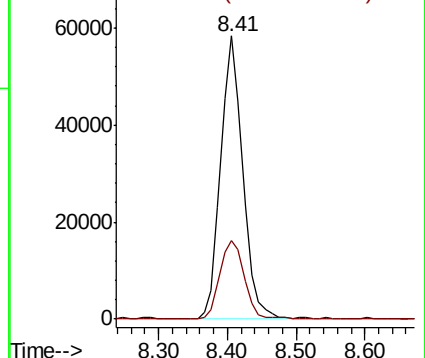
43 100

58 27.6 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.02 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060003.D

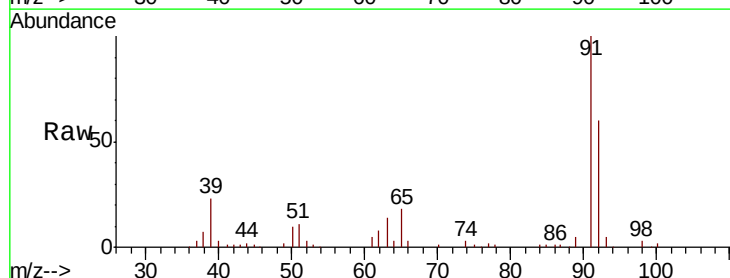
Acq: 20 Aug 2018 15:41

Tgt Ion: 92 Resp: 51601

Ion Ratio Lower Upper

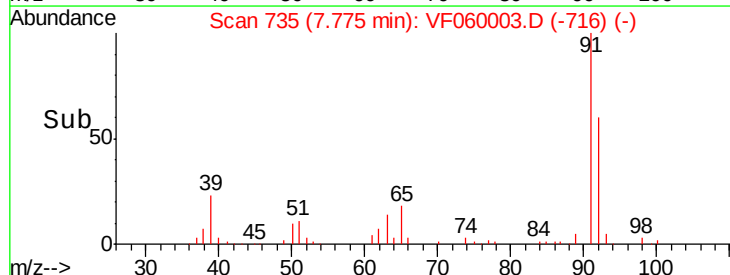
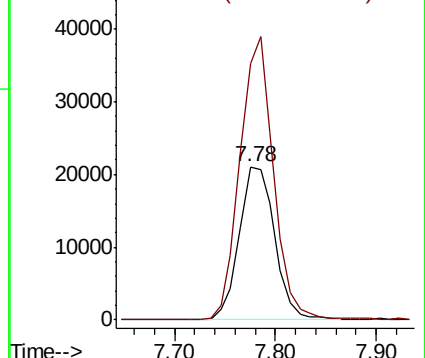
92 100

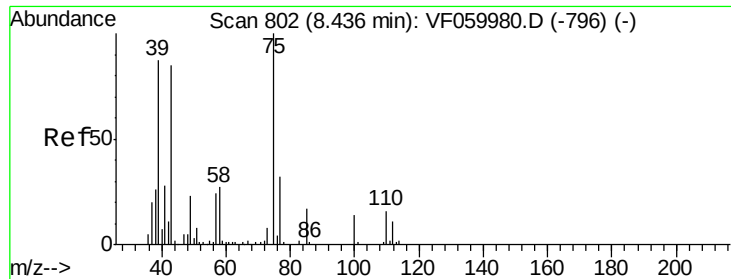
91 167.6 136.5 204.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 23.44 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

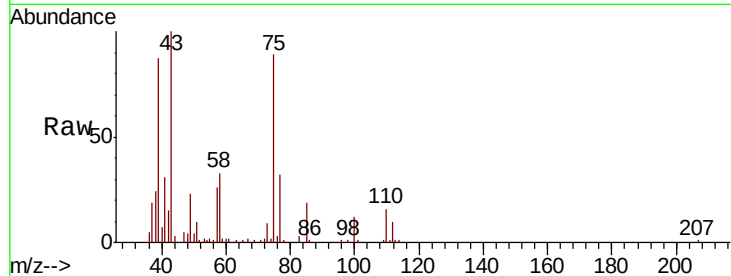
VF0820SBS01

Tot Ion: 75 Resp: 47161

Ion Ratio Lower Upper

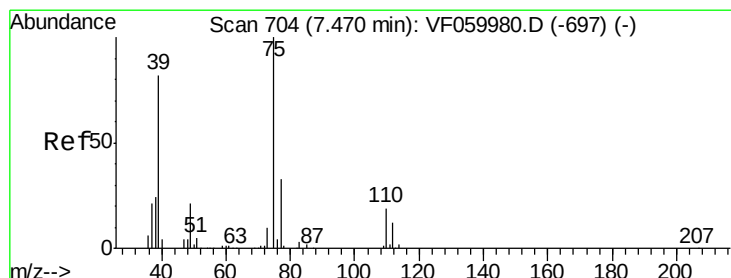
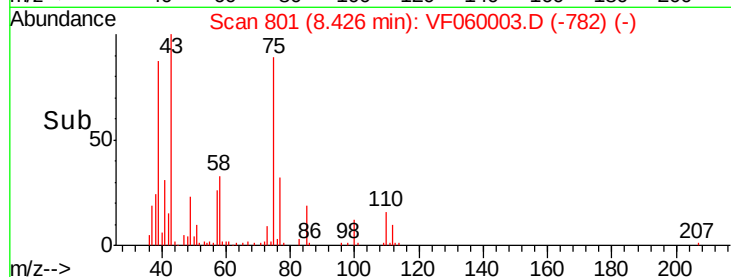
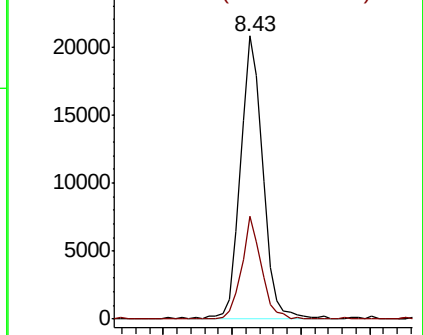
75 100

77 36.4 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 24.72 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

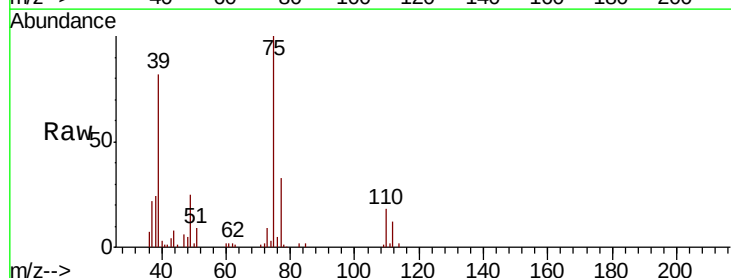
Tgt Ion: 75 Resp: 48004

Ion Ratio Lower Upper

75 100

77 33.1 26.0 39.0

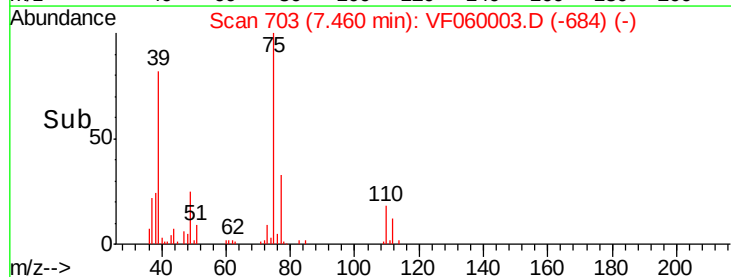
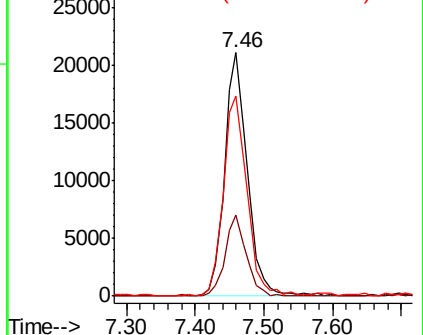
39 82.1 65.3 97.9

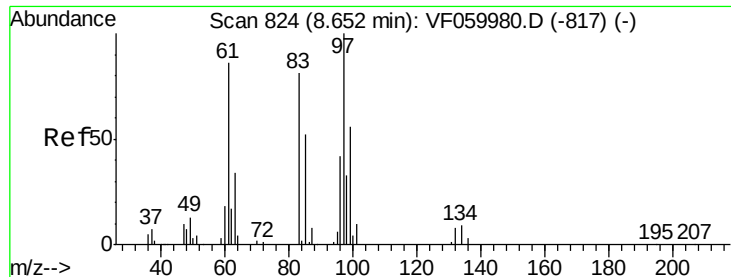


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 24.10 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

Tot Ion: 97 Resp: 22658

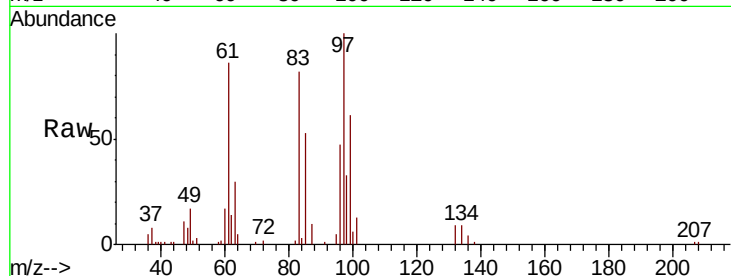
Ion Ratio Lower Upper

97 100

83 82.4 64.9 97.3

85 53.4 41.8 62.6

99 61.2 45.2 67.8

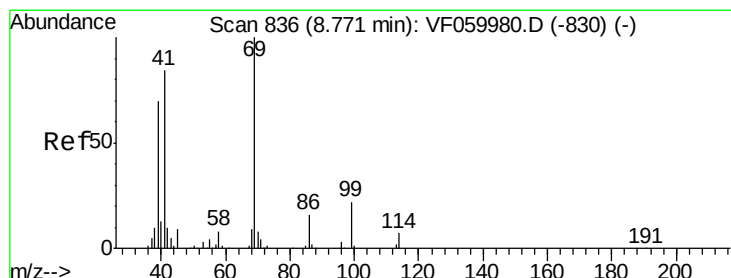
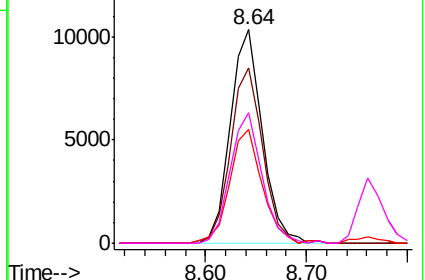
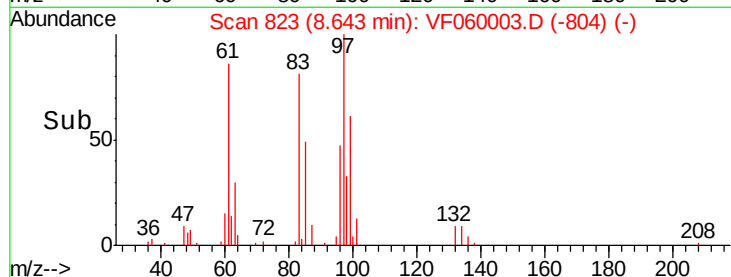


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 23.89 ug/l

RT: 8.76 min Scan# 835

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

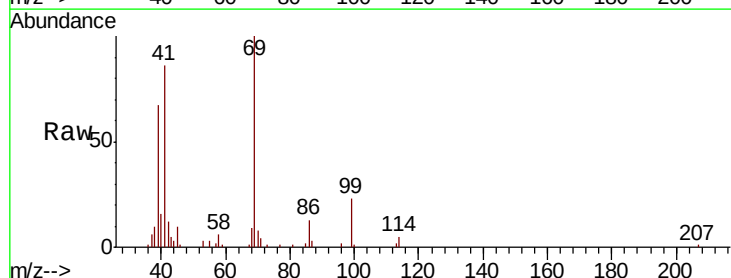
Tgt Ion: 69 Resp: 26021

Ion Ratio Lower Upper

69 100

41 86.3 67.8 101.6

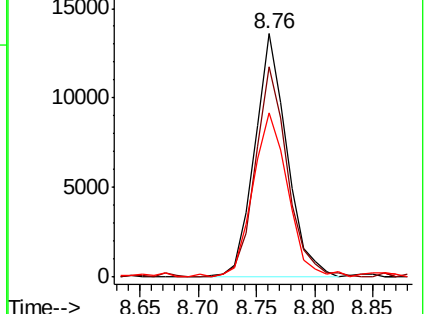
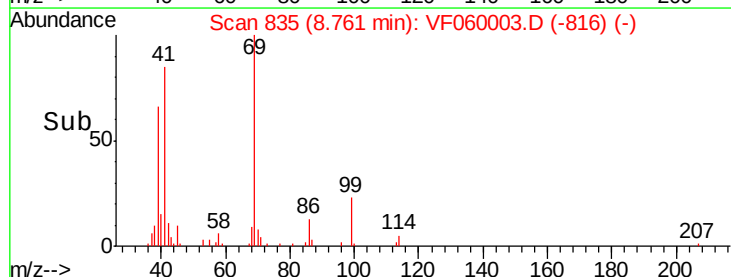
39 67.3 55.8 83.6

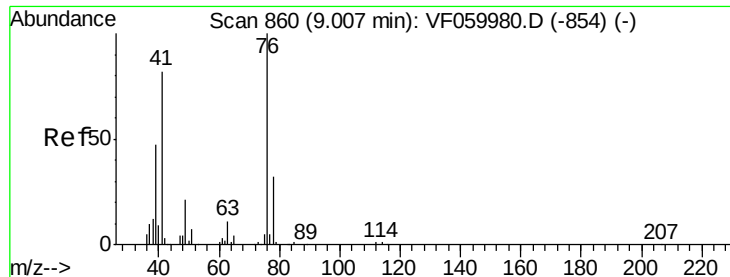


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.94 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

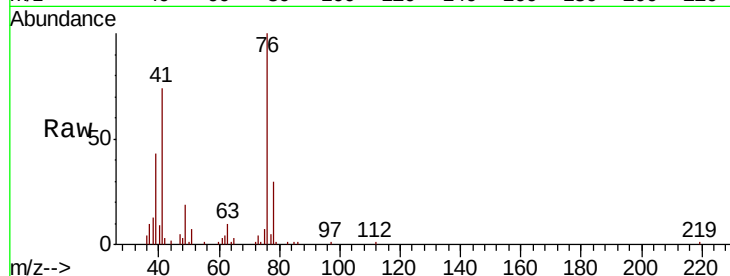
VF0820SBS01

Tot Ion: 76 Resp: 38442

Ion Ratio Lower Upper

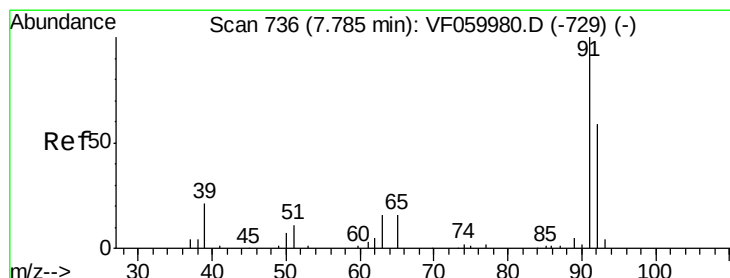
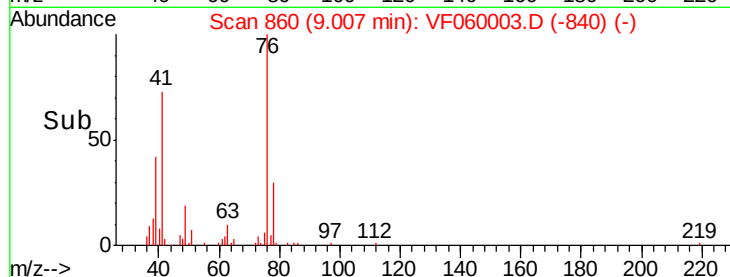
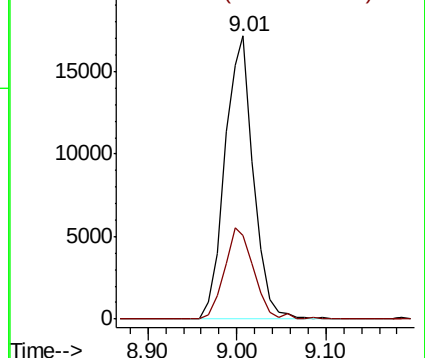
76 100

78 29.6 25.3 37.9



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 137.09 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF060003.D

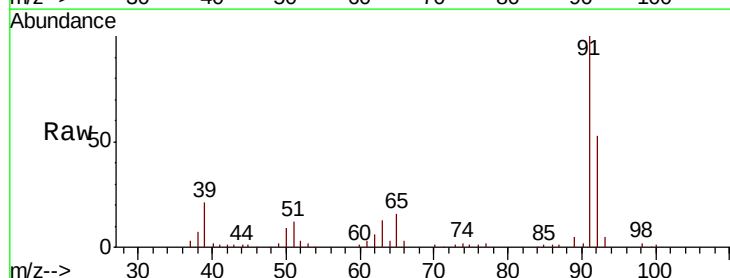
Acq: 20 Aug 2018 15:41

Tgt Ion: 63 Resp: 12526

Ion Ratio Lower Upper

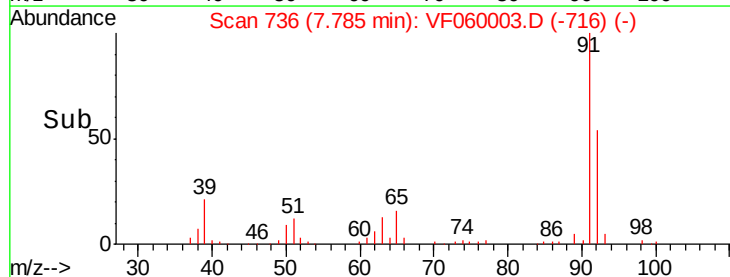
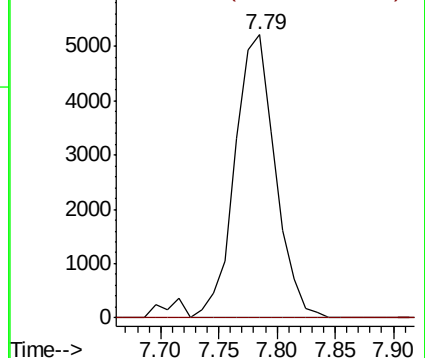
63 100

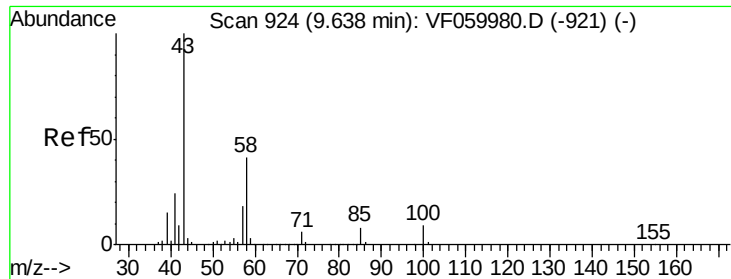
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

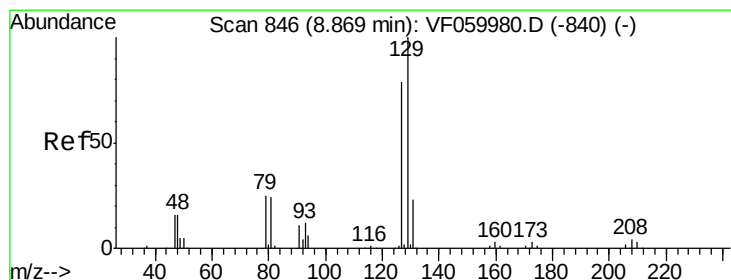
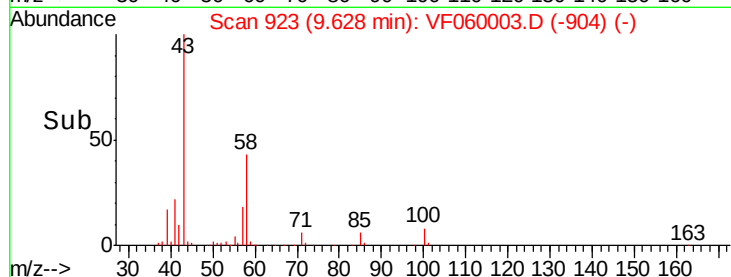
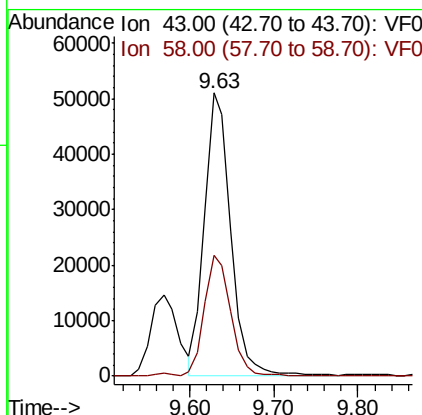
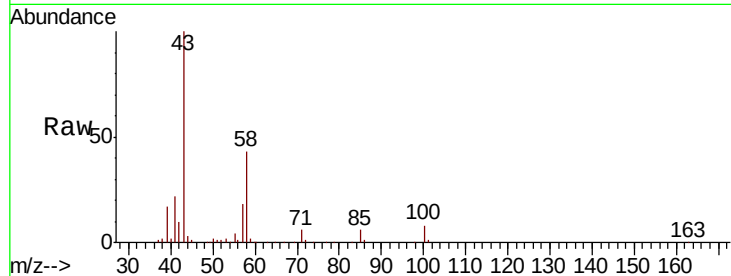




#59
 2-Hexanone
 Concen: 126.13 ug/l
 RT: 9.63 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

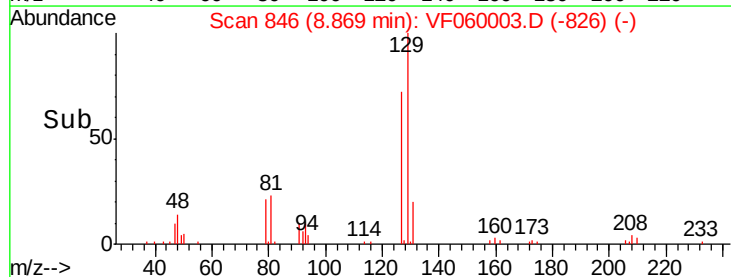
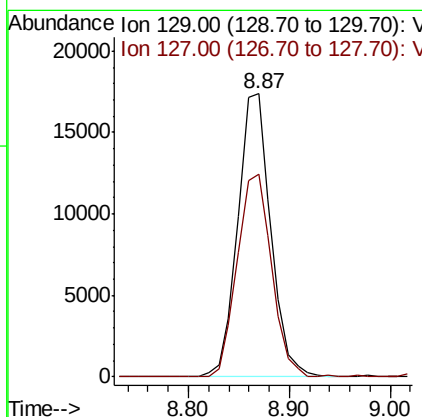
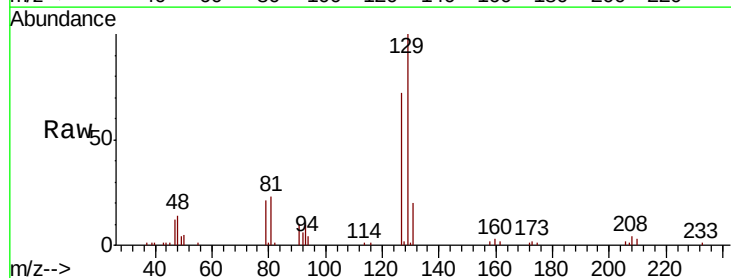
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

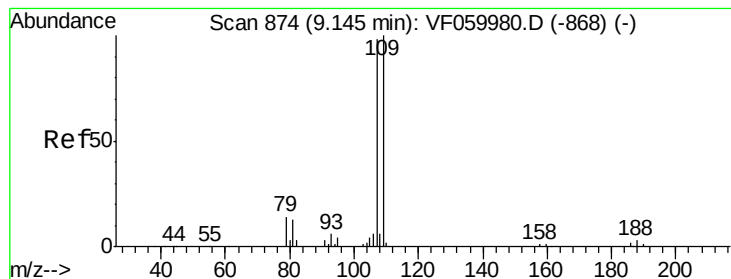
Tot Ion: 43 Resp: 109500
 Ion Ratio Lower Upper
 43 100
 58 42.6 20.1 60.3



#60
 Dibromochloromethane
 Concen: 23.10 ug/l
 RT: 8.87 min Scan# 846
 Delta R.T. 0.00 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Tgt Ion: 129 Resp: 39695
 Ion Ratio Lower Upper
 129 100
 127 73.9 39.5 118.5





#61

1,2-Dibromoethane

Concen: 23.11 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

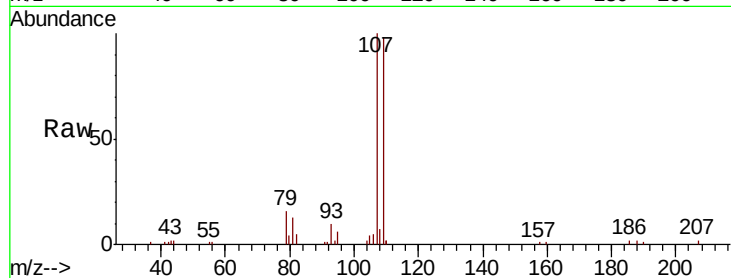
VF0820SBS01

Tot Ion:107 Resp: 27106

Ion Ratio Lower Upper

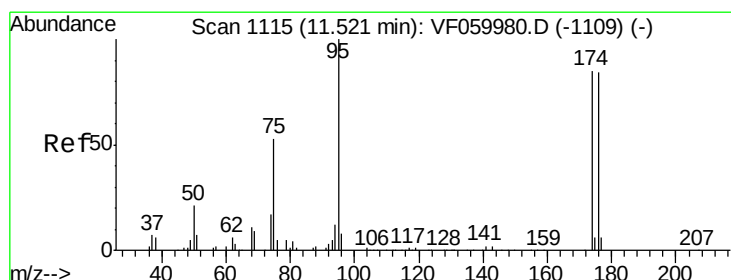
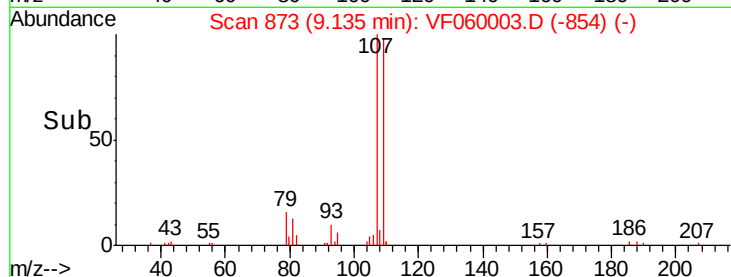
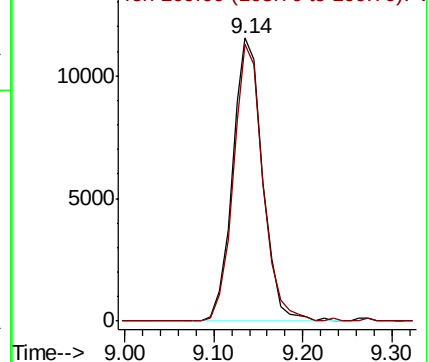
107 100

109 97.7 81.7 122.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 55.18 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

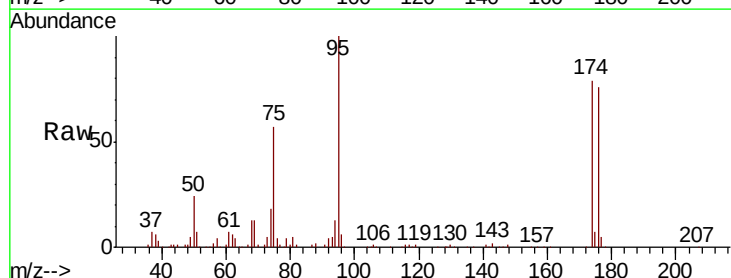
Tgt Ion: 95 Resp: 125010

Ion Ratio Lower Upper

95 100

174 78.7 0.0 169.8

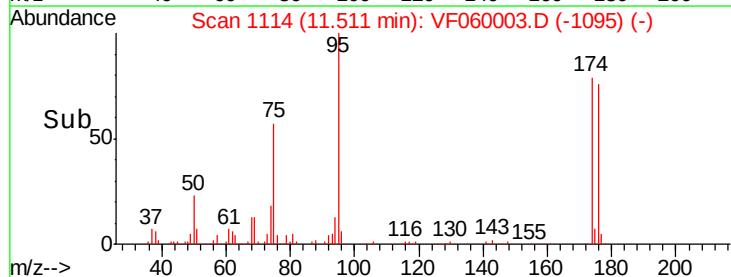
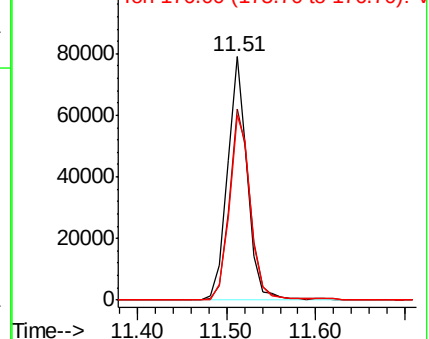
176 76.0 0.0 167.8

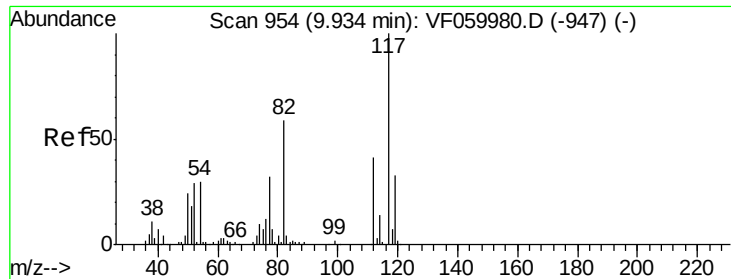


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

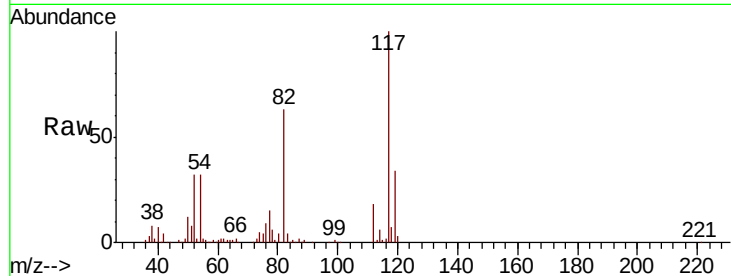




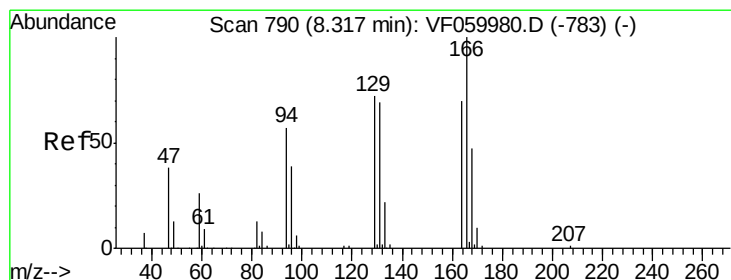
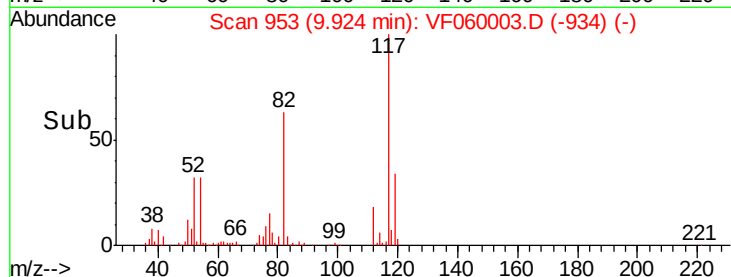
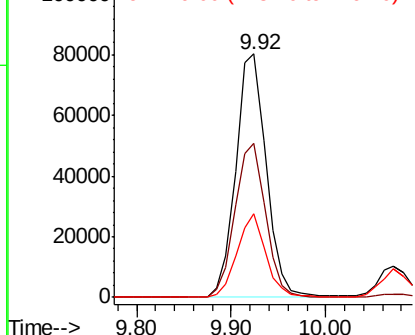
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion:117 Resp: 179549
Ion Ratio Lower Upper
117 100
82 63.3 47.2 70.8
119 34.4 26.1 39.1

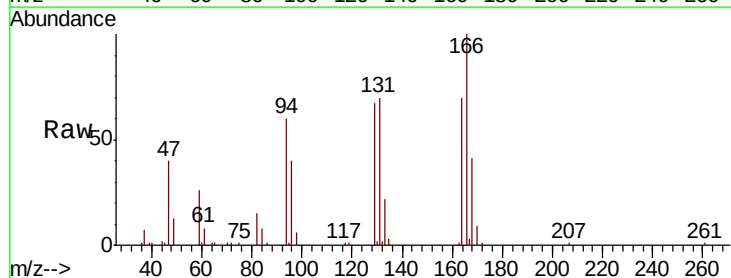


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

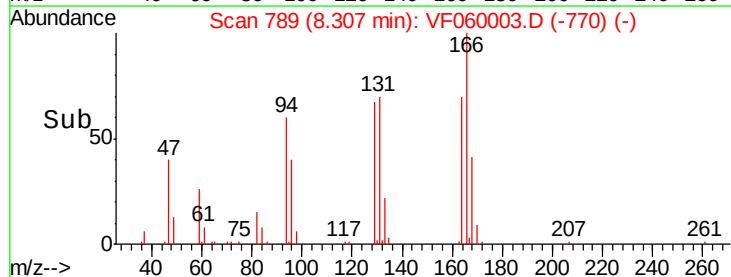
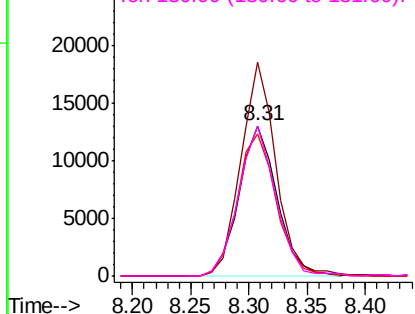


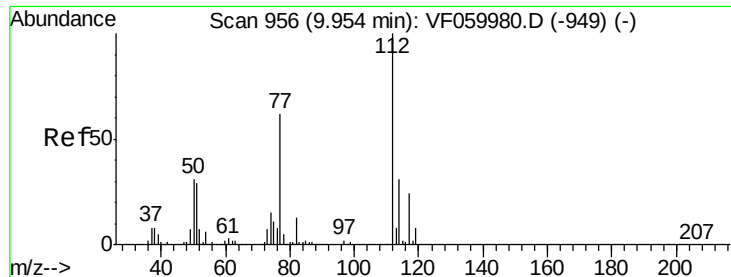
#64
Tetrachloroethene
Concen: 21.54 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Tgt Ion:164 Resp: 29473
Ion Ratio Lower Upper
164 100
166 142.1 114.5 171.7
129 94.5 82.3 123.5
131 99.9 78.6 118.0



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

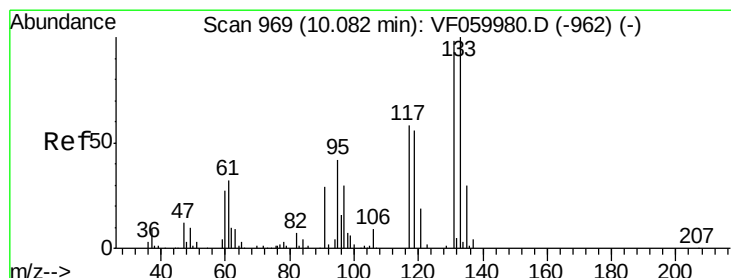
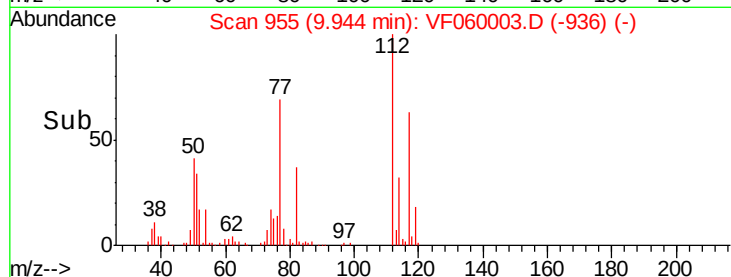
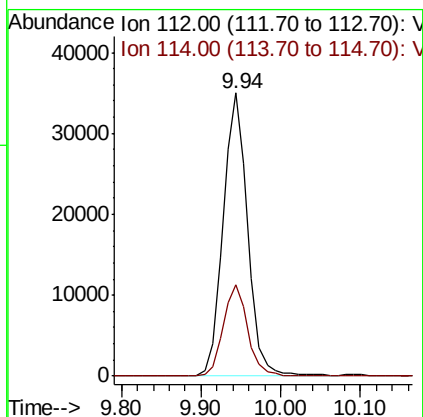
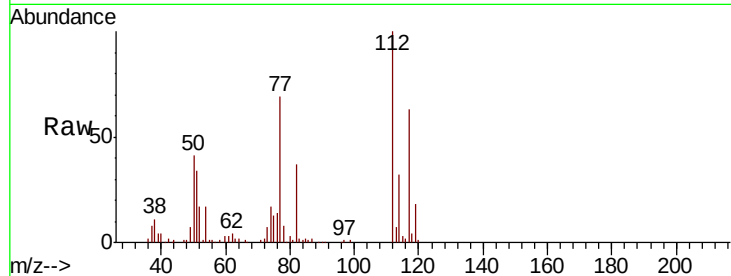




#65
Chlorobenzene
Concen: 21.34 ug/l
RT: 9.94 min Scan# 955
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

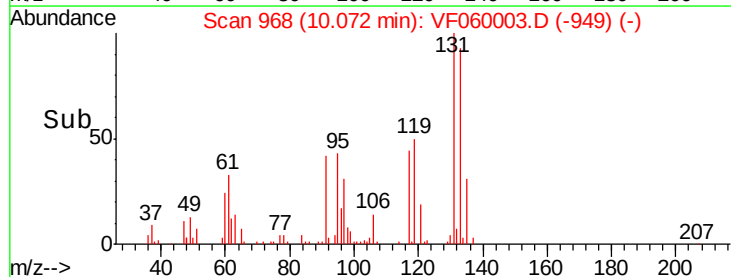
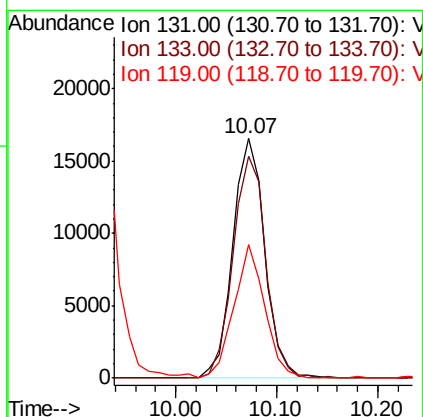
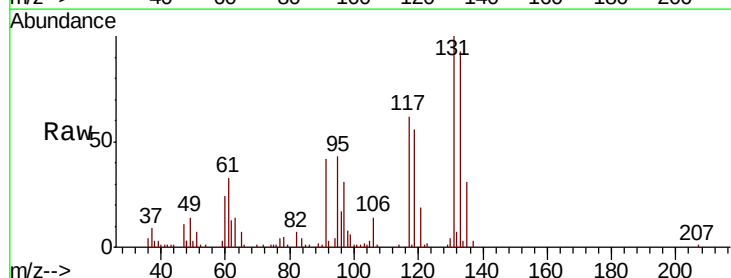
Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

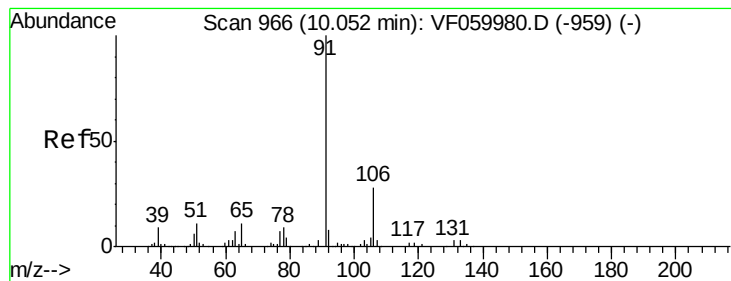
Tot Ion:112 Resp: 75626
Ion Ratio Lower Upper
112 100
114 32.3 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 22.37 ug/l
RT: 10.07 min Scan# 968
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Tgt Ion:131 Resp: 36476
Ion Ratio Lower Upper
131 100
133 92.9 51.1 153.3
119 56.0 29.0 87.1





#67

Ethyl Benzene

Concen: 22.97 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

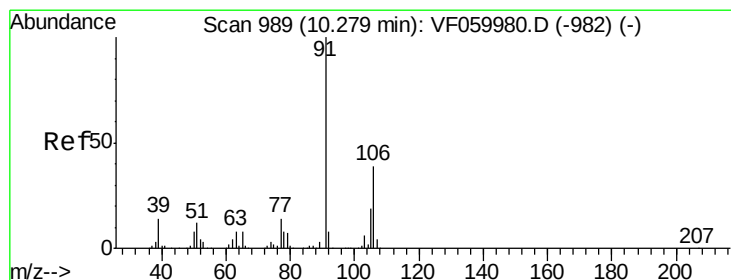
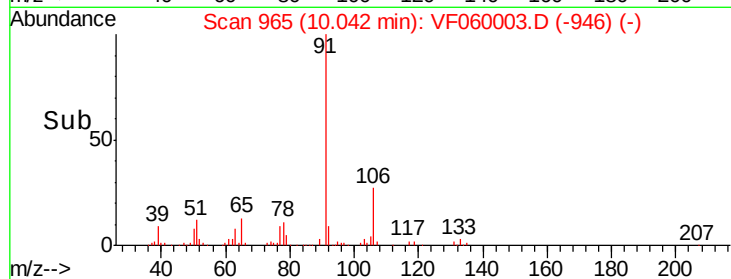
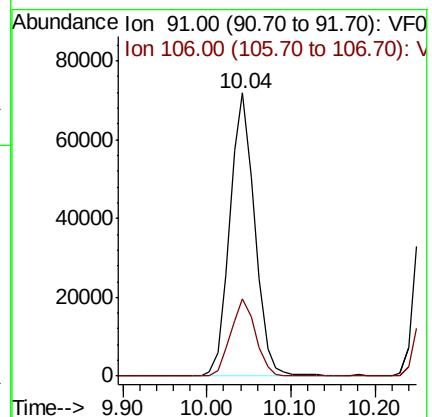
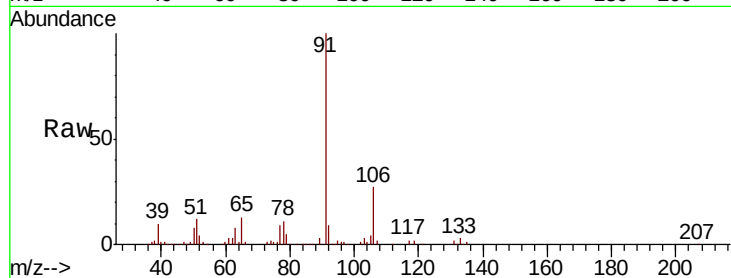
VF0820SBS01

Tot Ion: 91 Resp: 147794

Ion Ratio Lower Upper

91 100

106 27.4 22.0 33.0



#68

m/p-Xylenes

Concen: 46.12 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.01 min

Lab File: VF060003.D

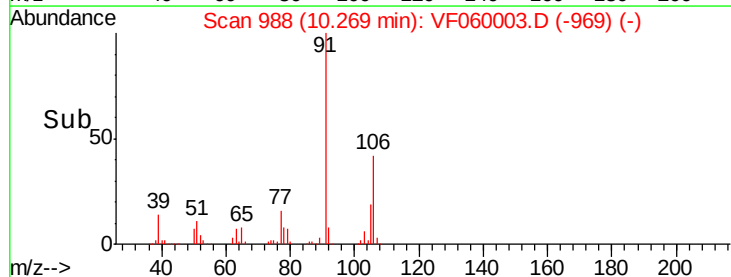
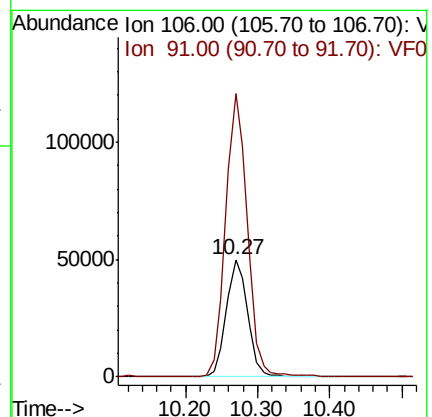
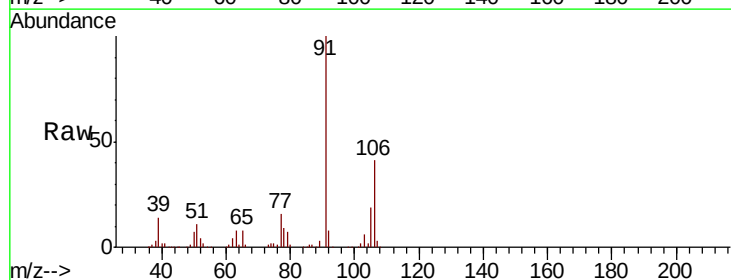
Acq: 20 Aug 2018 15:41

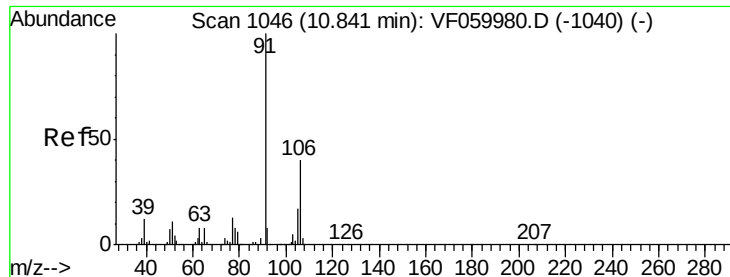
Tgt Ion: 106 Resp: 102822

Ion Ratio Lower Upper

106 100

91 241.7 203.5 305.3

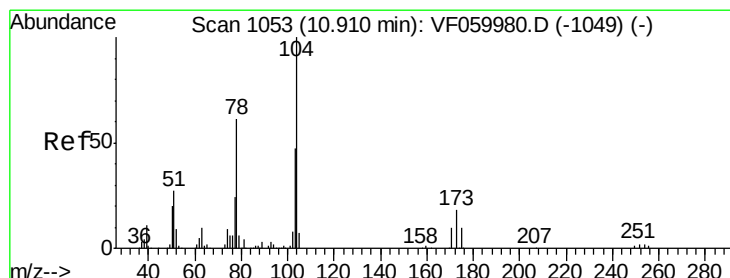
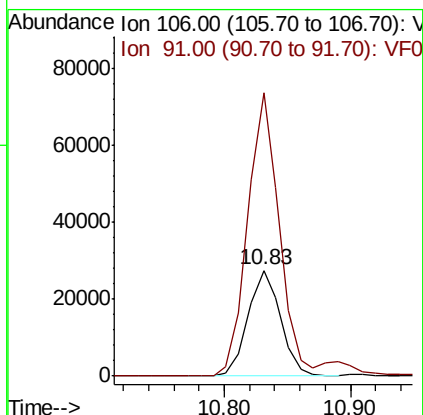
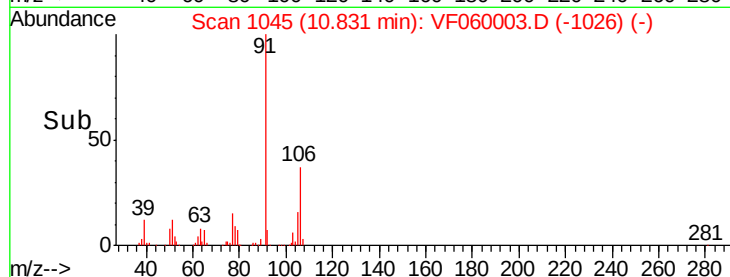
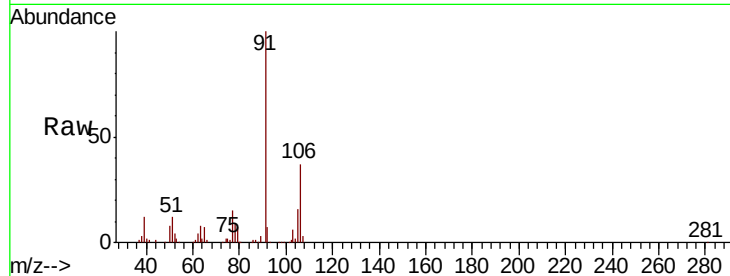




#69
o-Xylene
Concen: 21.87 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

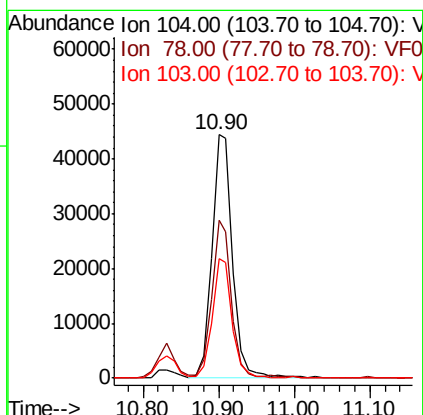
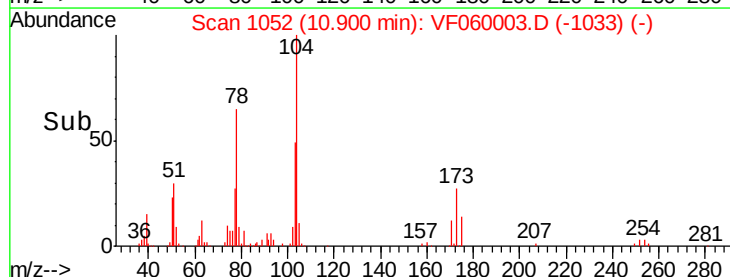
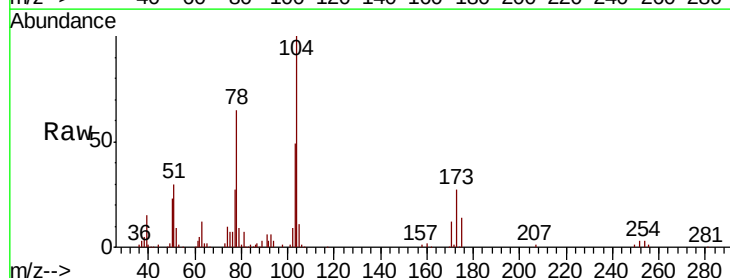
Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

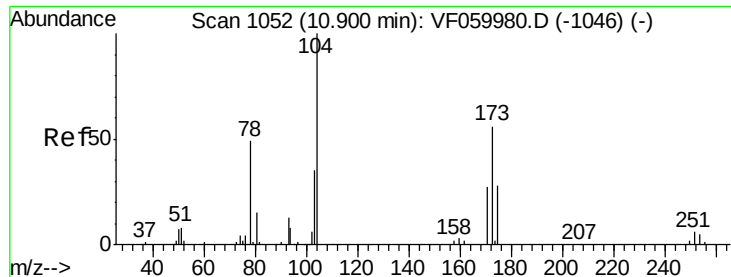
Tot Ion:106 Resp: 49987
Ion Ratio Lower Upper
106 100
91 268.3 125.4 376.2



#70
Styrene
Concen: 23.26 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Tgt Ion:104 Resp: 85174
Ion Ratio Lower Upper
104 100
78 64.9 49.0 73.6
103 49.1 38.2 57.4





#71

Bromoform

Concen: 22.72 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

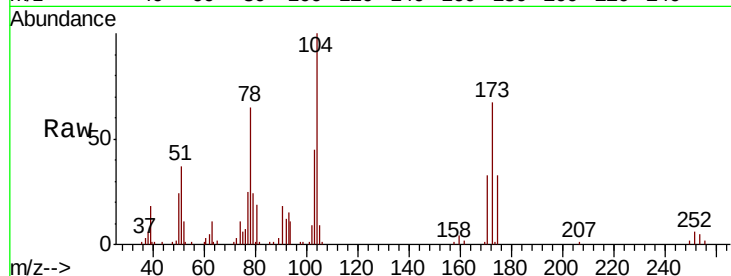
Tot Ion:173 Resp: 27391

Ion Ratio Lower Upper

173 100

175 49.2 24.8 74.3

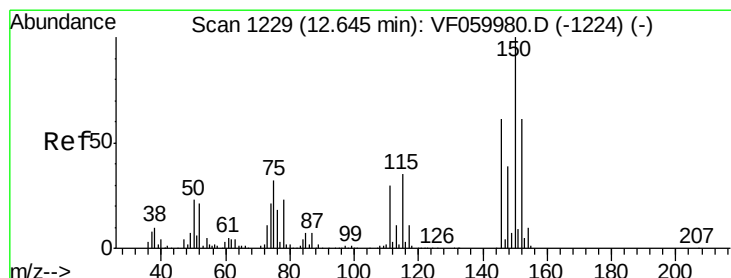
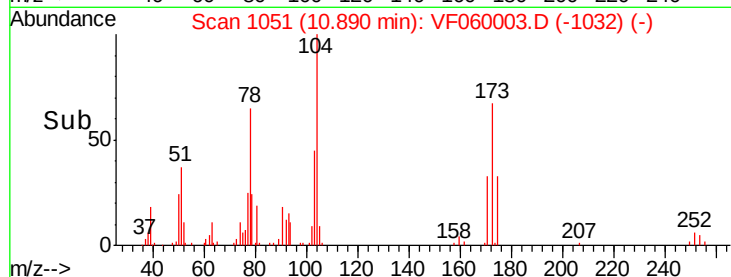
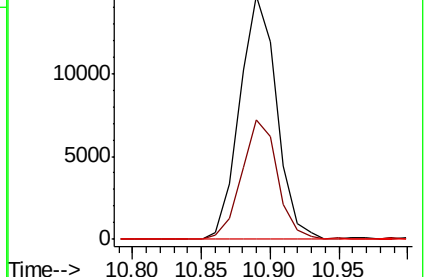
254 0.0 0.0 0.0



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: 50.00 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

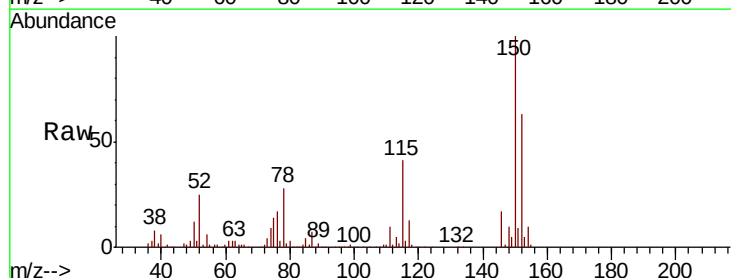
Tgt Ion:152 Resp: 125016

Ion Ratio Lower Upper

152 100

115 64.3 29.1 87.3

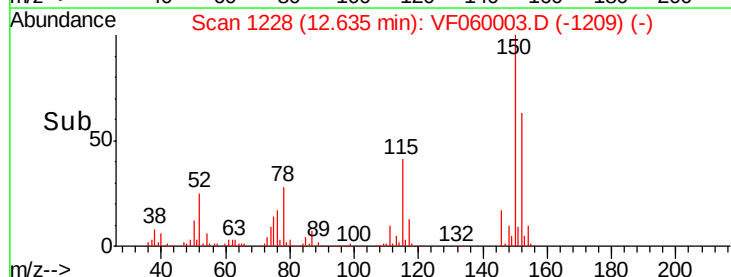
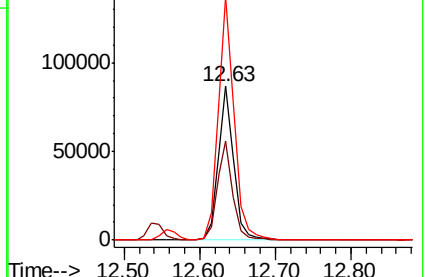
150 158.1 0.0 330.2

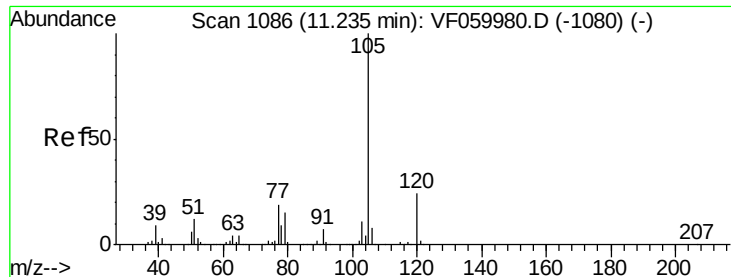


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.77 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

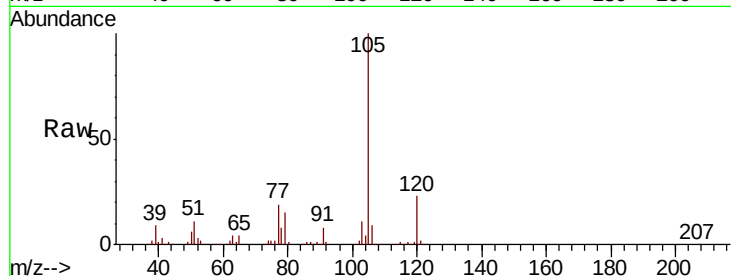
VF0820SBS01

Tot Ion:105 Resp: 170669

Ion Ratio Lower Upper

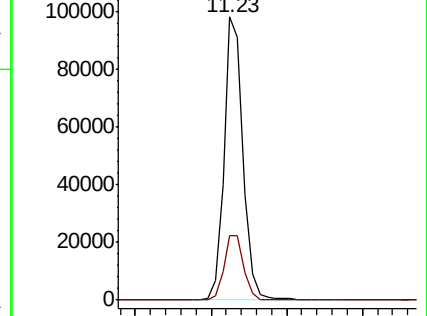
105 100

120 22.6 11.9 35.5

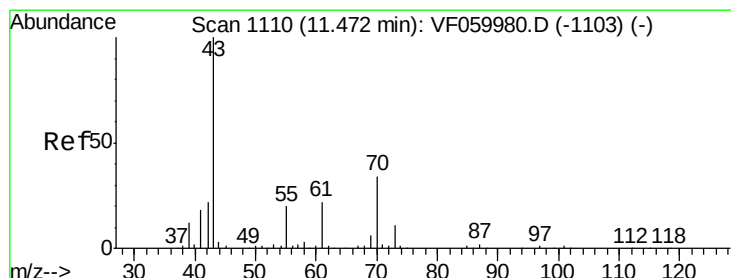
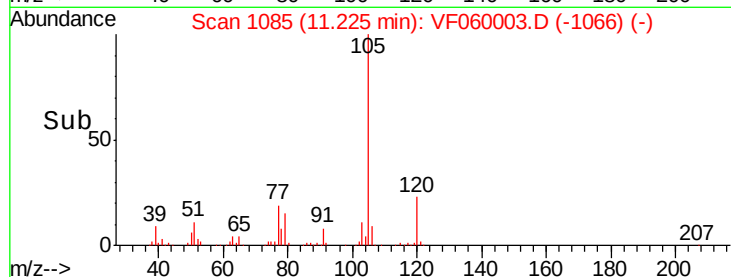


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 22.32 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Tgt Ion: 43 Resp: 47480

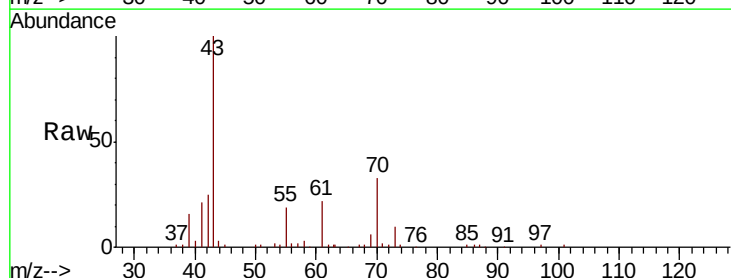
Ion Ratio Lower Upper

43 100

70 33.2 27.2 40.8

55 18.5 16.4 24.6

61 22.1 17.6 26.4

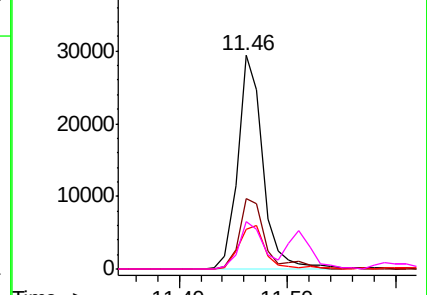


Abundance Ion 43.00 (42.70 to 43.70): VF0

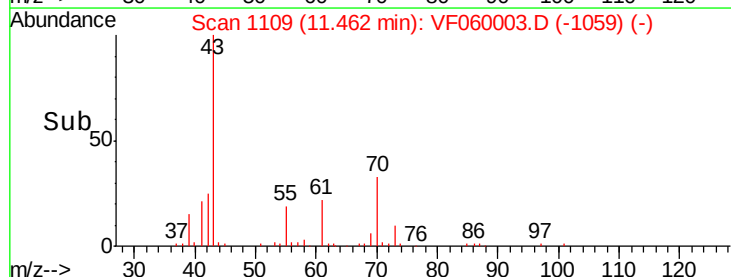
Ion 70.00 (69.70 to 70.70): VF0

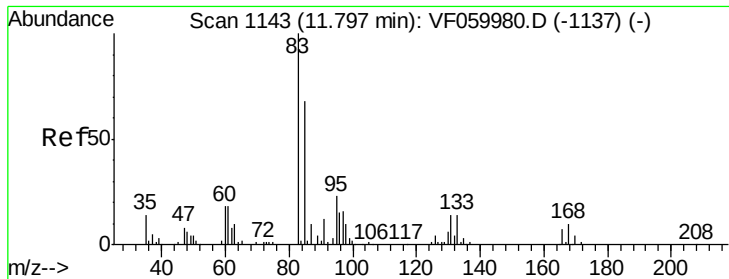
Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



Time--> 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 21.77 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

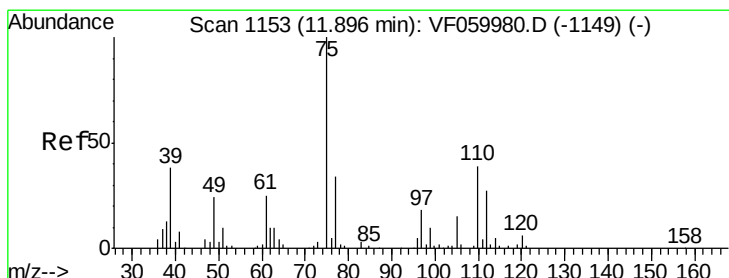
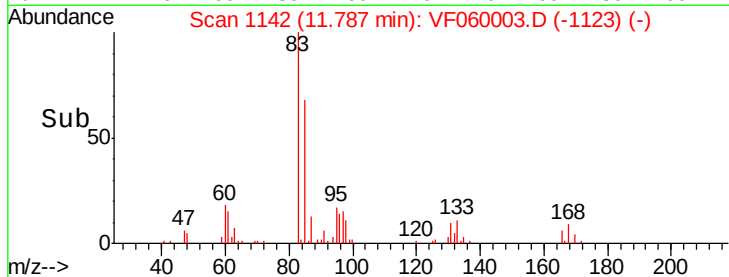
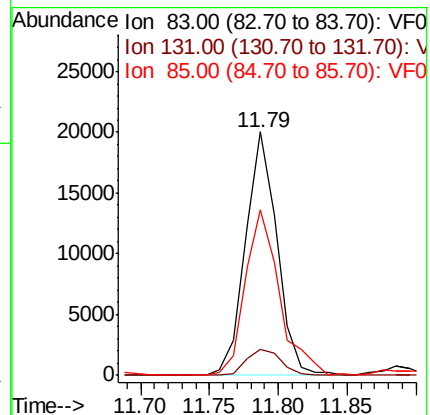
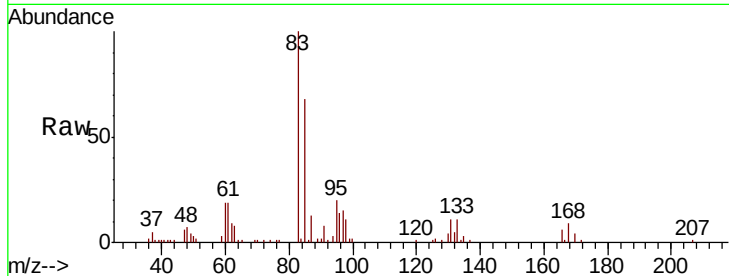
Tot Ion: 83 Resp: 32030

Ion Ratio Lower Upper

83 100

131 10.9 7.2 21.6

85 68.1 34.1 102.2



#76

1,2,3-Trichloropropane

Concen: 22.34 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF060003.D

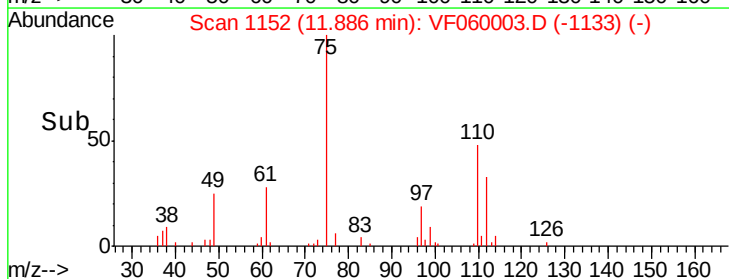
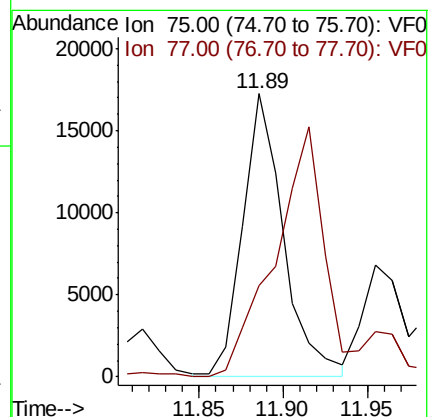
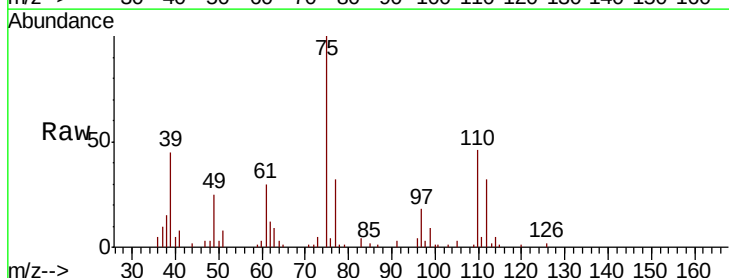
Acq: 20 Aug 2018 15:41

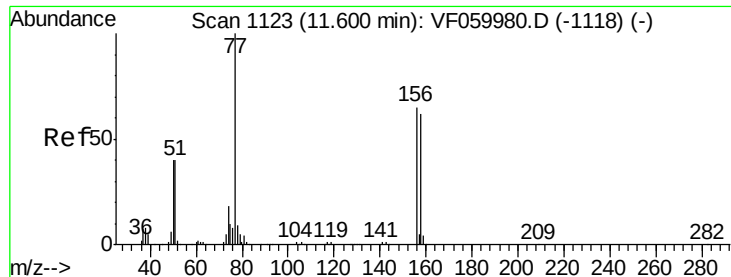
Tgt Ion: 75 Resp: 29121

Ion Ratio Lower Upper

75 100

77 32.2 17.1 51.3





#77

Bromobenzene

Concen: 21.05 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

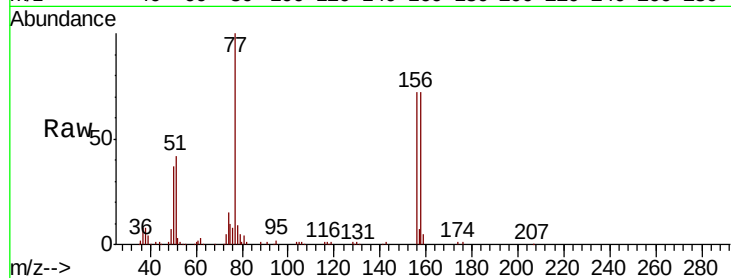
Tot Ion:156 Resp: 44009

Ion Ratio Lower Upper

156 100

77 139.2 76.9 230.7

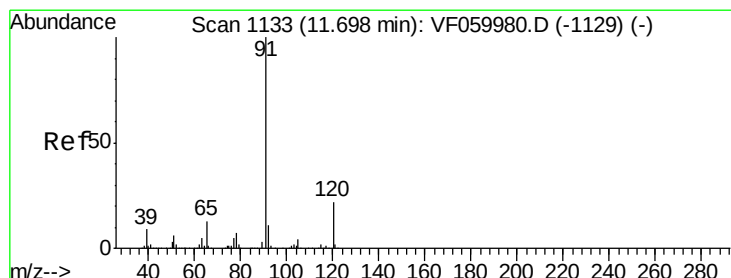
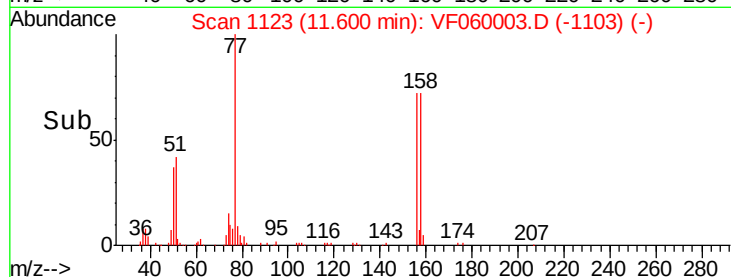
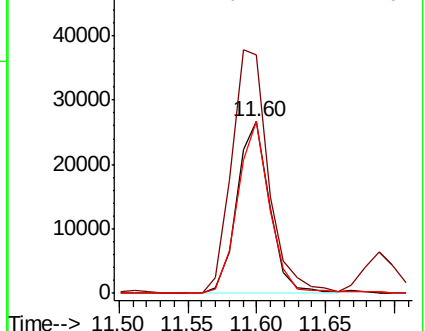
158 100.0 47.7 143.1



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.09 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF060003.D

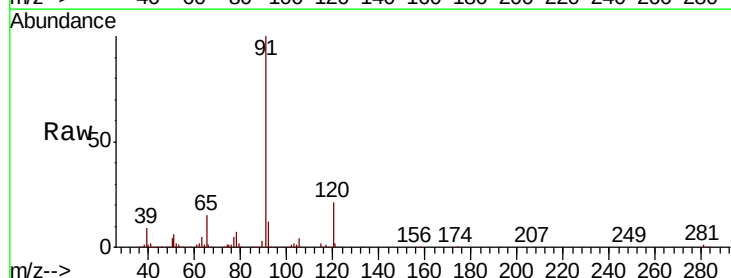
Acq: 20 Aug 2018 15:41

Tgt Ion: 91 Resp: 205538

Ion Ratio Lower Upper

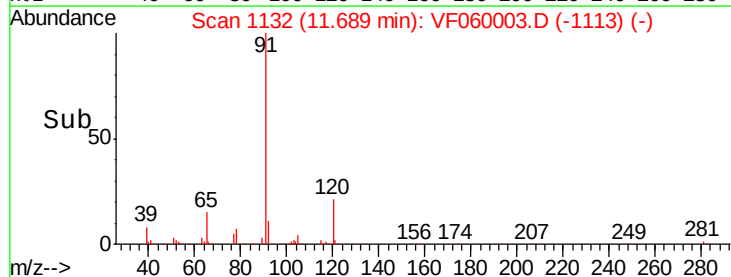
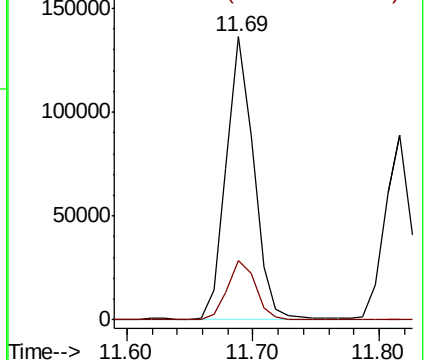
91 100

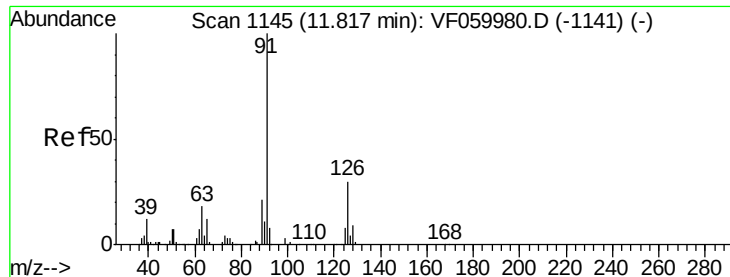
120 21.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

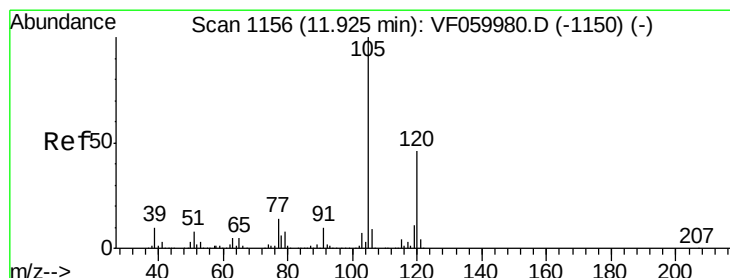
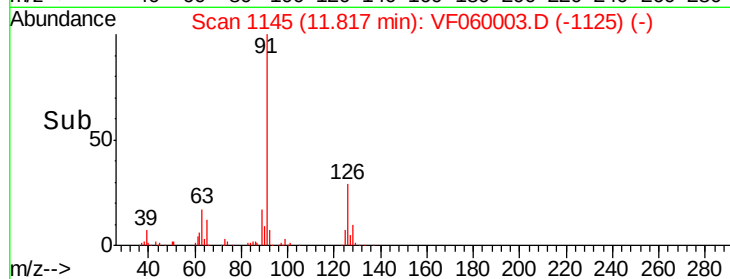
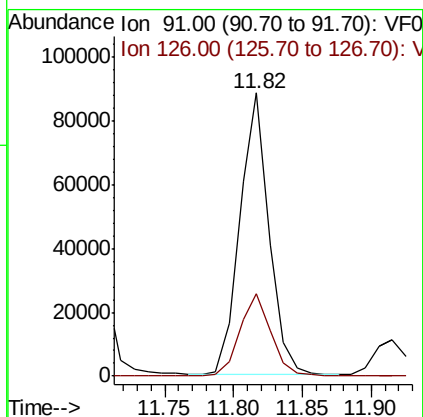
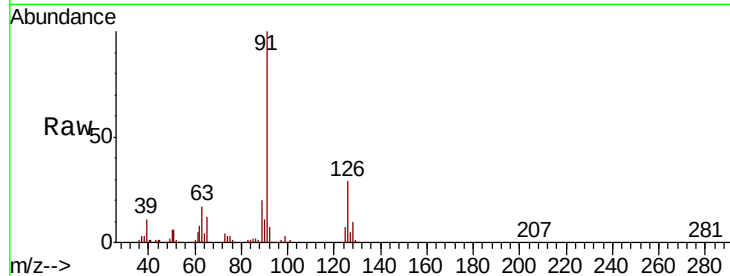




#79
 2-Chlorotoluene
 Concen: 22.99 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

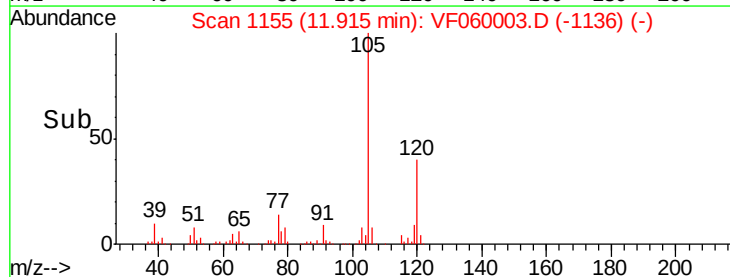
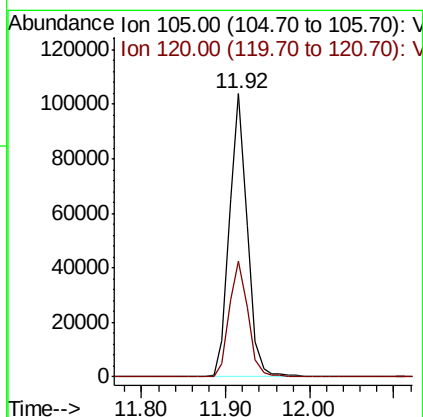
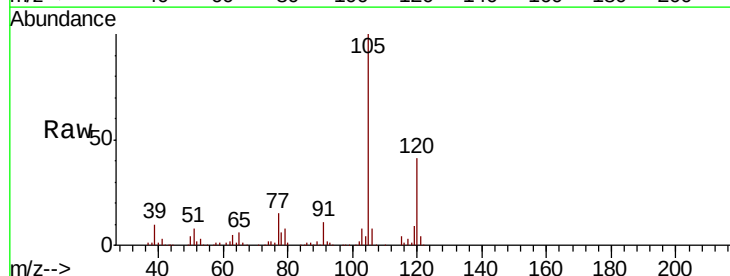
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

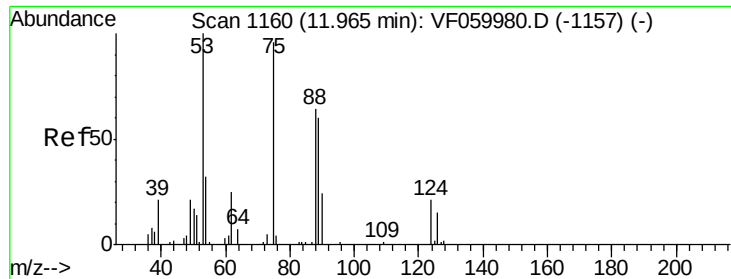
Tot Ion: 91 Resp: 129968
 Ion Ratio Lower Upper
 91 100
 126 29.3 14.7 44.1



#80
 1,3,5-Trimethylbenzene
 Concen: 22.59 ug/l
 RT: 11.92 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Tgt Ion: 105 Resp: 153041
 Ion Ratio Lower Upper
 105 100
 120 40.8 22.9 68.7





#81

trans-1,4-Dichloro-2-butene

Concen: 30.14 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

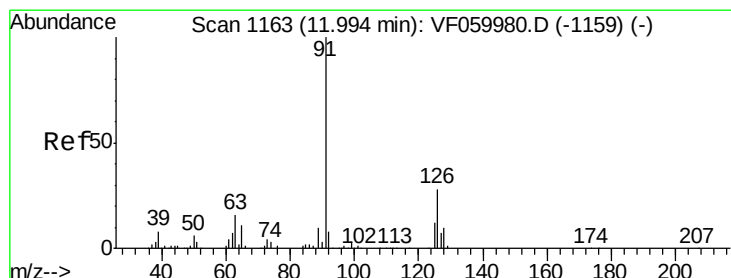
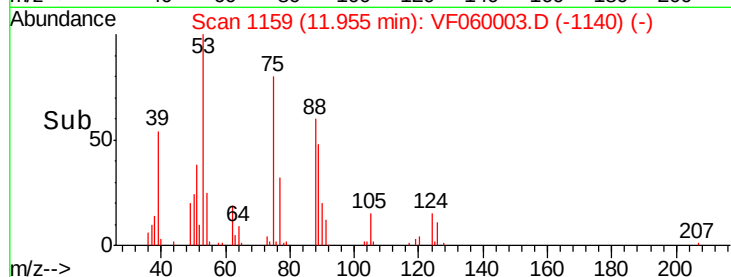
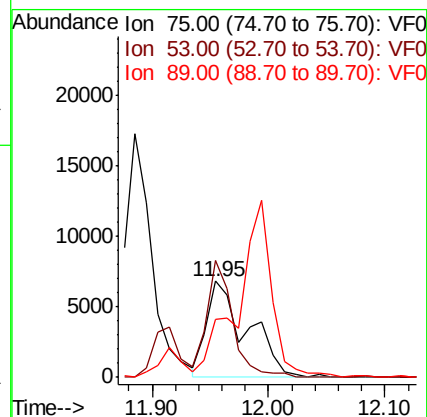
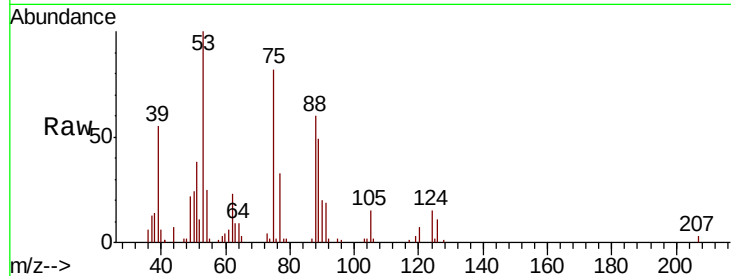
Tot Ion: 75 Resp: 16579

Ion Ratio Lower Upper

75 100

53 122.0 87.4 131.0

89 60.1 52.8 79.2



#82

4-Chlorotoluene

Concen: 23.12 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VF060003.D

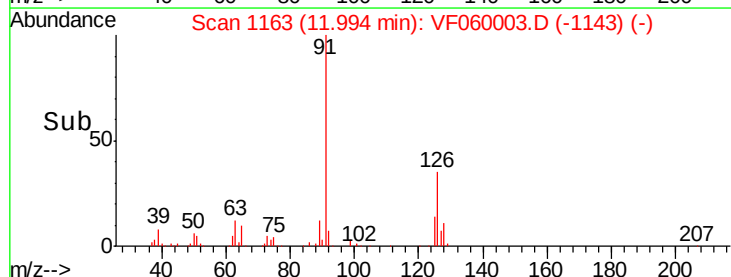
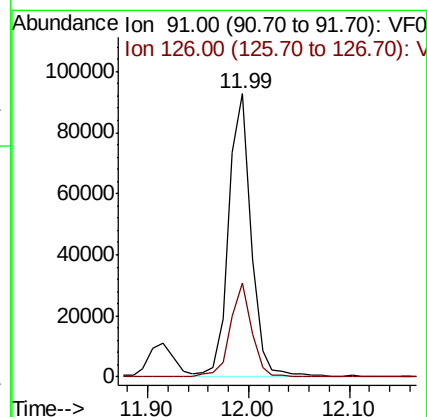
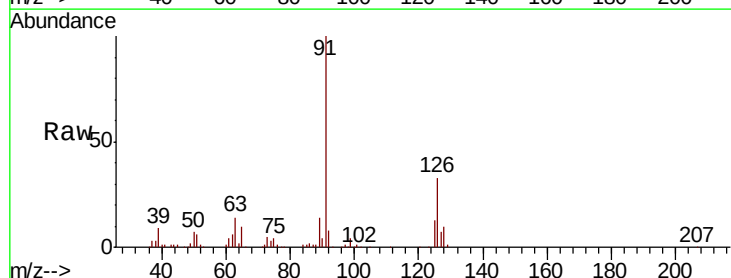
Acq: 20 Aug 2018 15:41

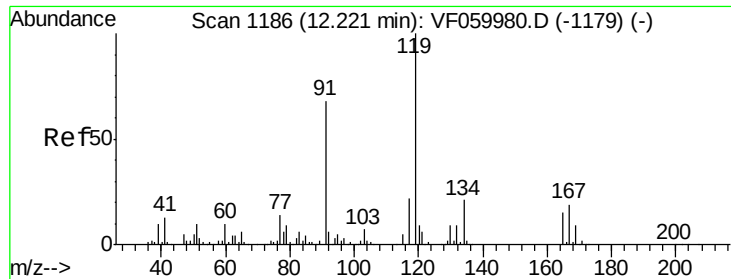
Tgt Ion: 91 Resp: 143017

Ion Ratio Lower Upper

91 100

126 33.2 14.1 42.4

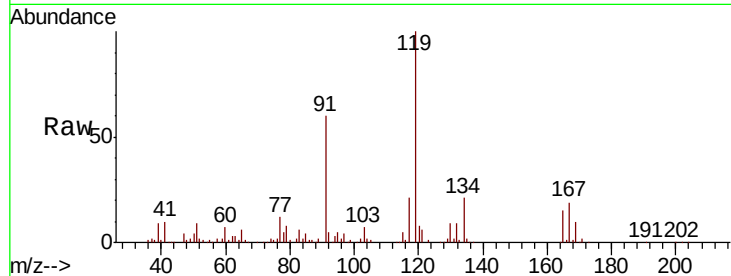




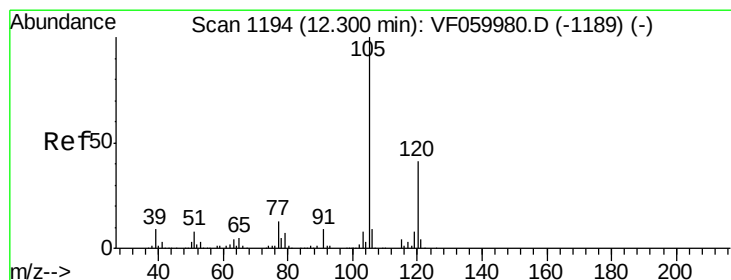
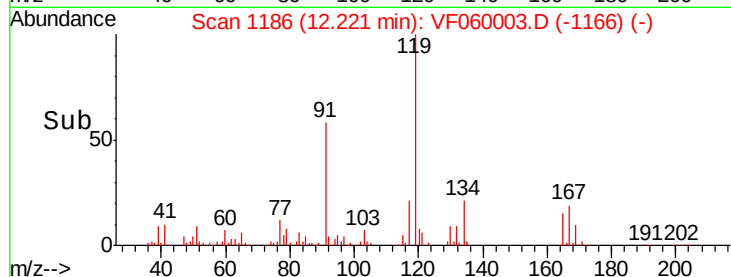
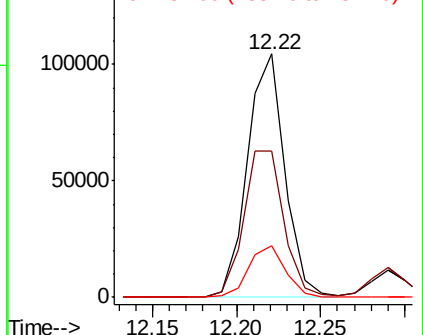
#83
 tert-Butylbenzene
 Concen: 24.16 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

Tot Ion:119 Resp: 160813
 Ion Ratio Lower Upper
 119 100
 91 60.3 34.1 102.2
 134 20.9 10.5 31.6

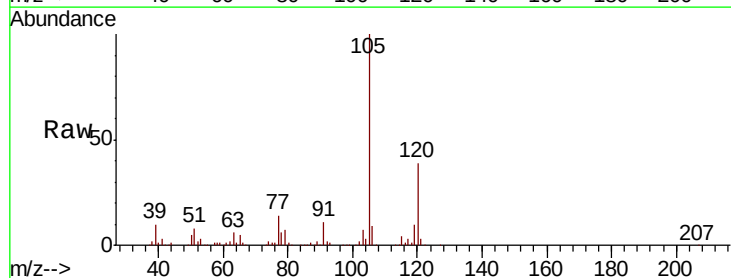


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

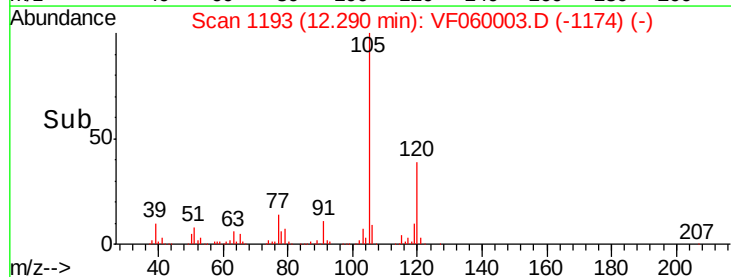
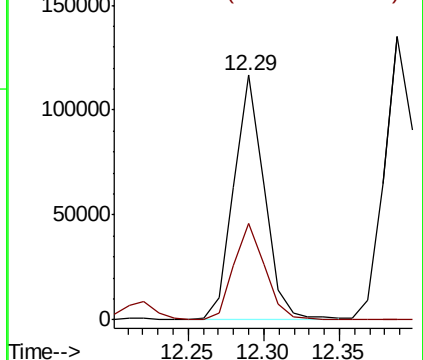


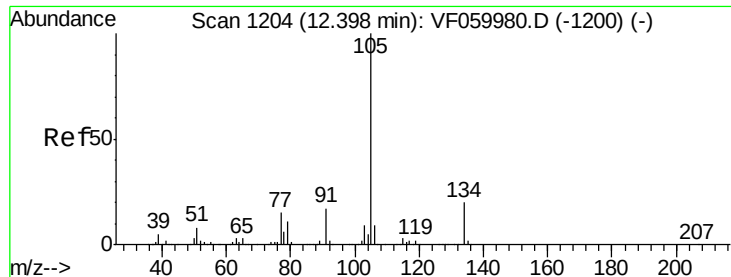
#84
 1,2,4-Trimethylbenzene
 Concen: 22.86 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Tgt Ion:105 Resp: 163079
 Ion Ratio Lower Upper
 105 100
 120 39.4 20.9 62.7



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

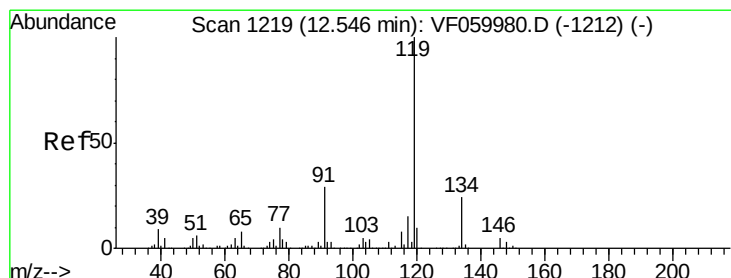
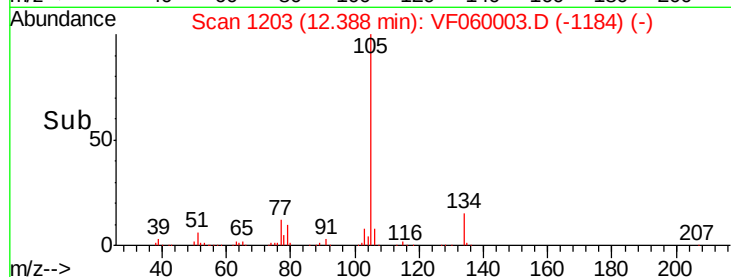
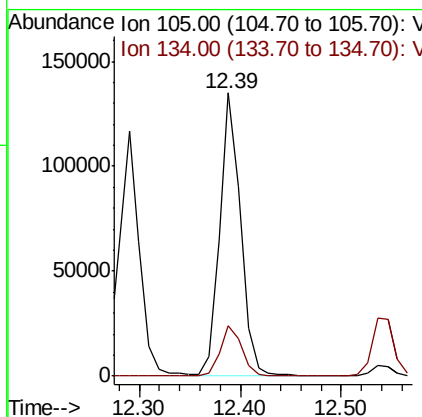
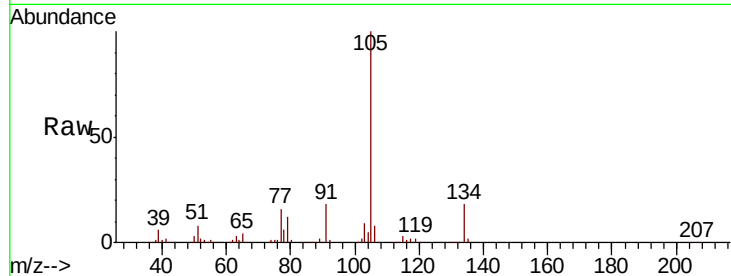




#85
 sec-Butylbenzene
 Concen: 22.36 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

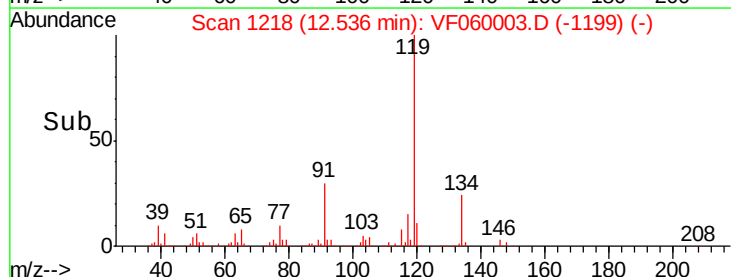
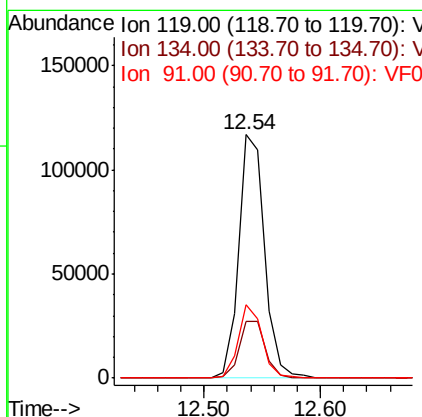
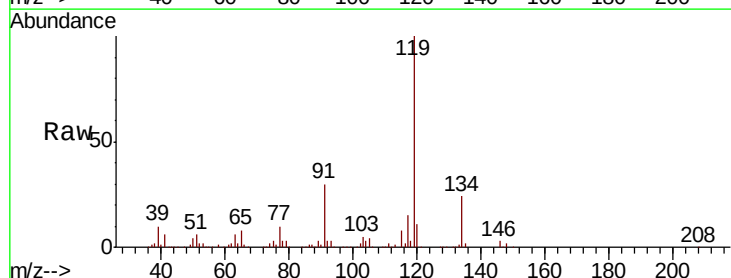
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

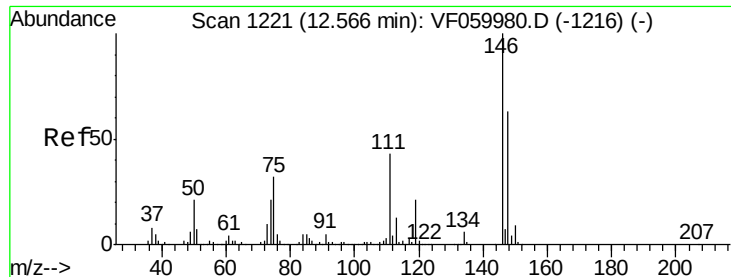
Tot Ion:105 Resp: 196770
 Ion Ratio Lower Upper
 105 100
 134 17.9 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 23.03 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Tgt Ion:119 Resp: 179291
 Ion Ratio Lower Upper
 119 100
 134 23.6 12.1 36.3
 91 29.9 14.4 43.4

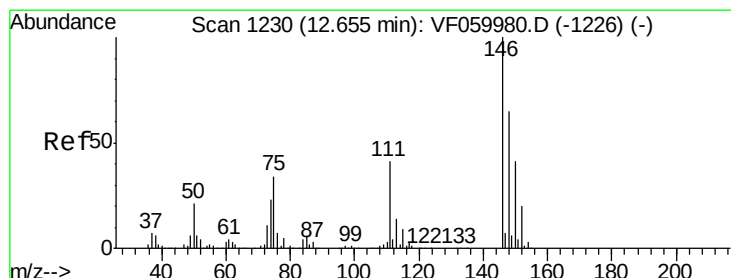
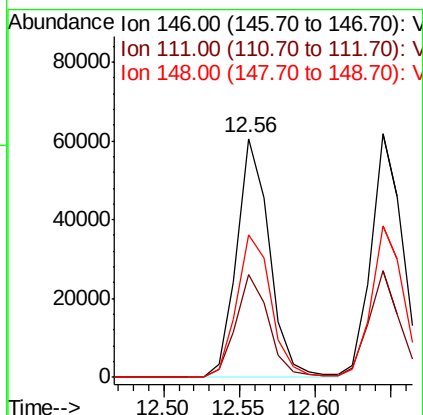
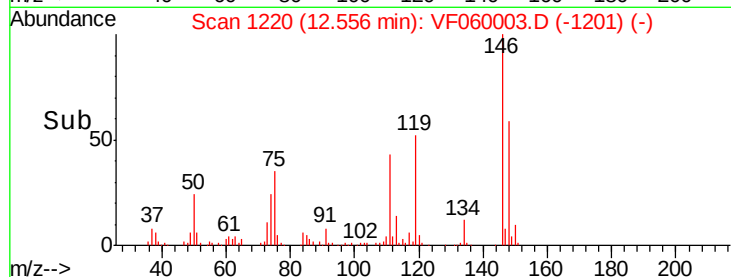
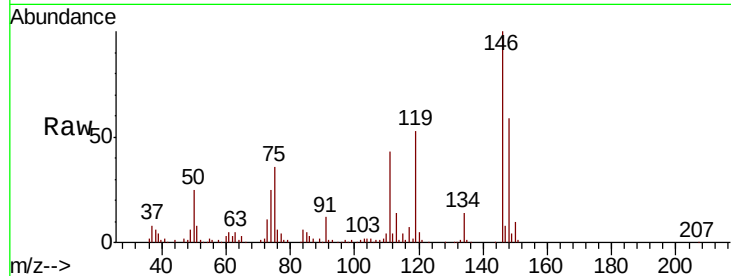




#87
 1,3-Dichlorobenzene
 Concen: 22.82 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

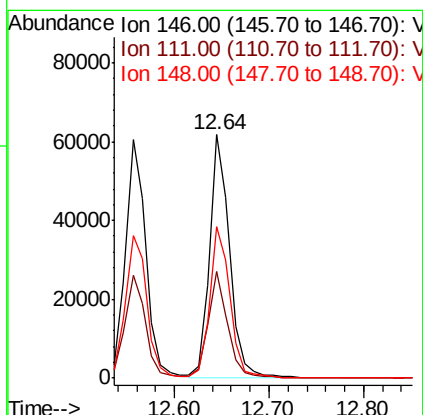
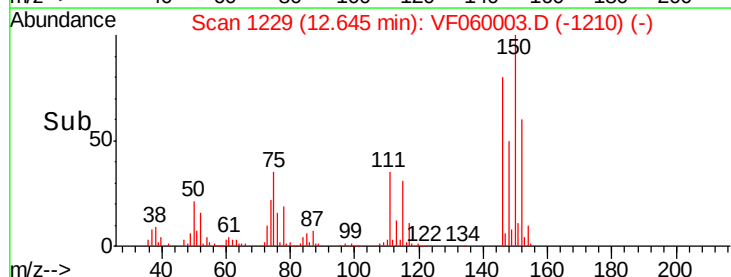
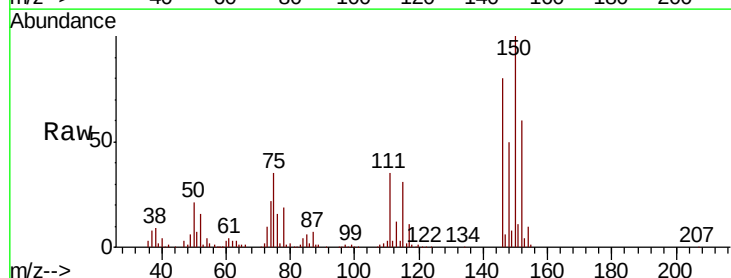
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

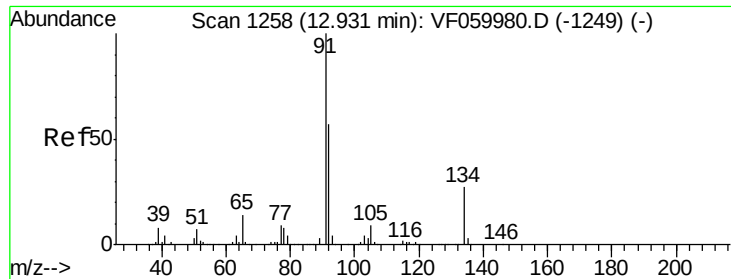
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.3	63.7
148	59.4	31.6	95.0



#88
 1,4-Dichlorobenzene
 Concen: 23.56 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.9	20.3	61.0
148	62.4	32.6	97.8

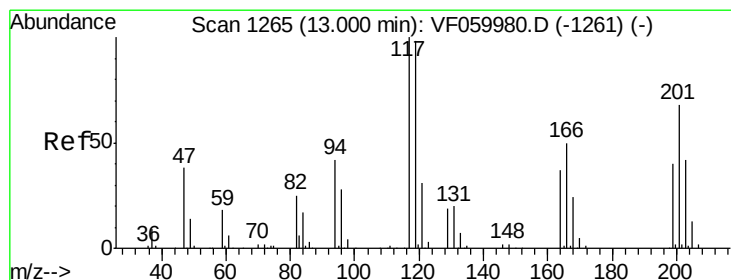
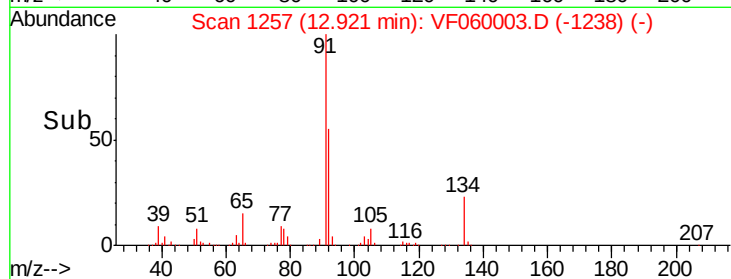
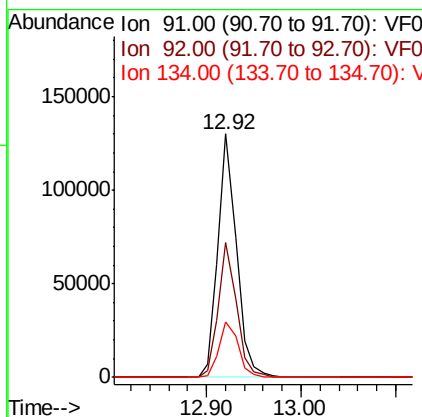
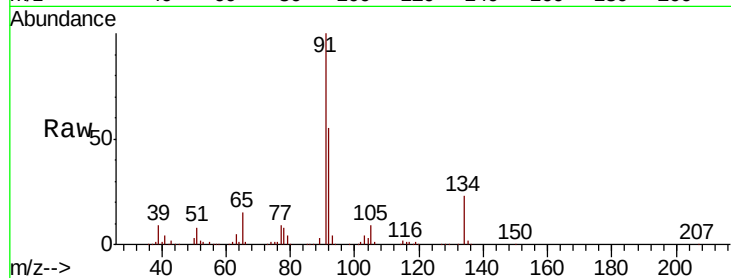




#89
n-Butylbenzene
Concen: 23.75 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

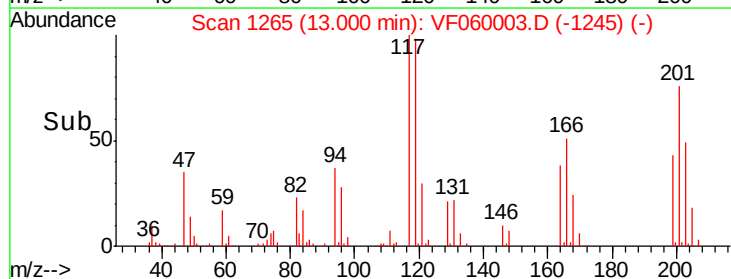
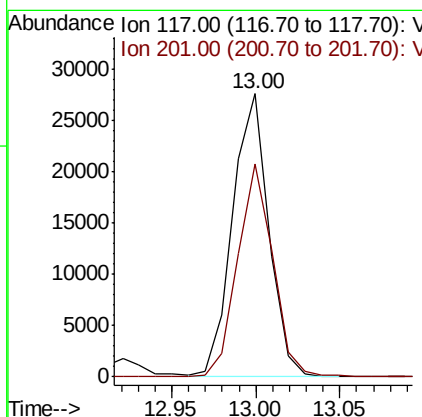
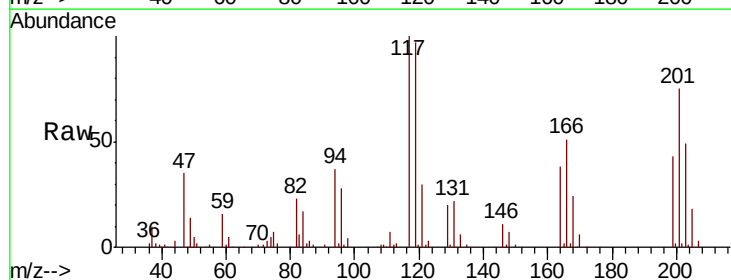
Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

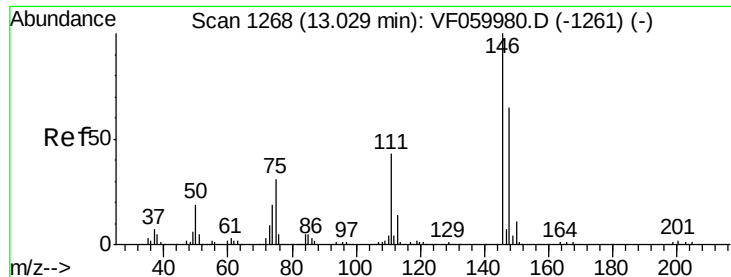
Tot Ion: 91 Resp: 178587
Ion Ratio Lower Upper
91 100
92 55.1 28.7 86.3
134 22.6 13.3 39.9



#90
Hexachloroethane
Concen: 23.47 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Tgt Ion: 117 Resp: 41157
Ion Ratio Lower Upper
117 100
201 75.4 34.5 103.5





#91

1,2-Dichlorobenzene

Concen: 22.89 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

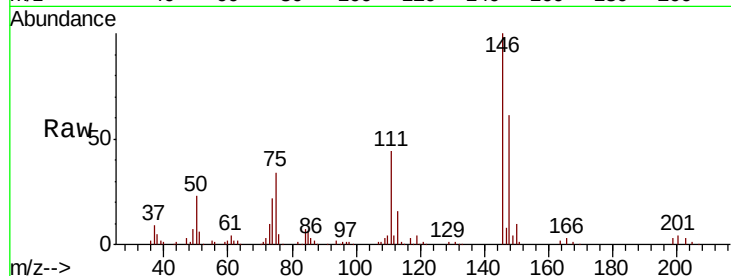
Tot Ion:146 Resp: 87408

Ion Ratio Lower Upper

146 100

111 43.8 21.4 64.3

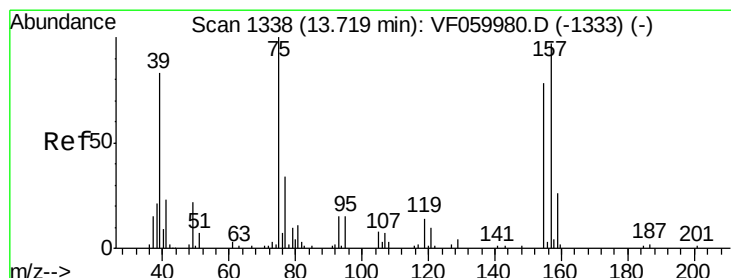
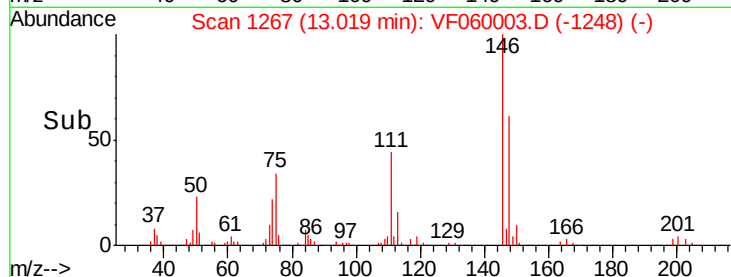
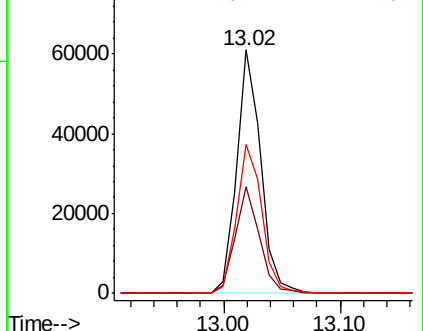
148 61.0 32.5 97.4



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: 22.09 ug/l

RT: 13.72 min Scan# 1338

Delta R.T. 0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

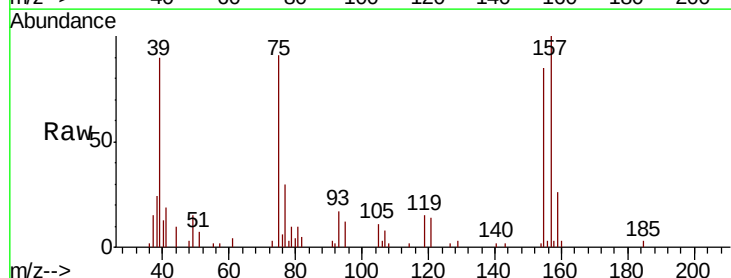
Tgt Ion: 75 Resp: 8988

Ion Ratio Lower Upper

75 100

155 92.9 38.9 116.7

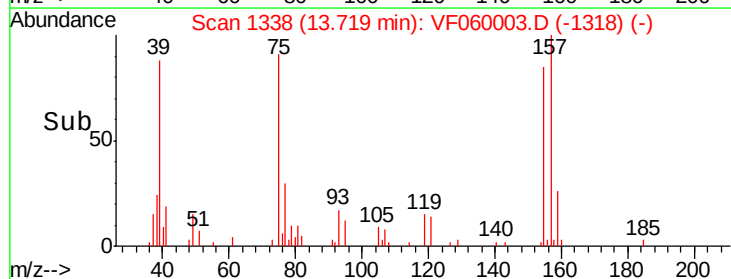
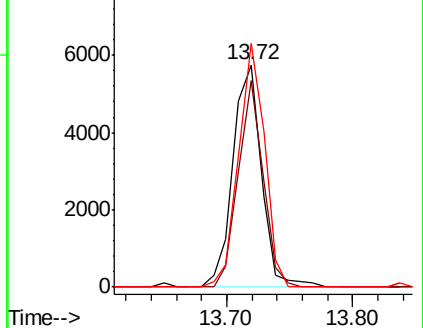
157 113.2 50.8 152.5

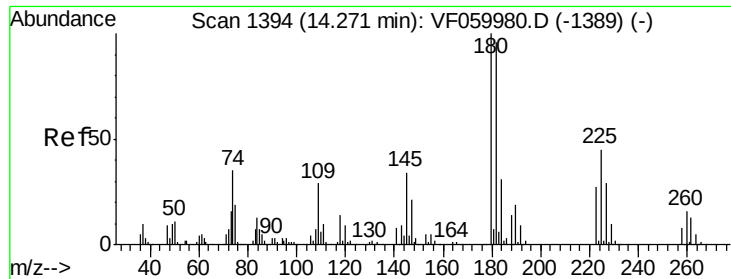


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

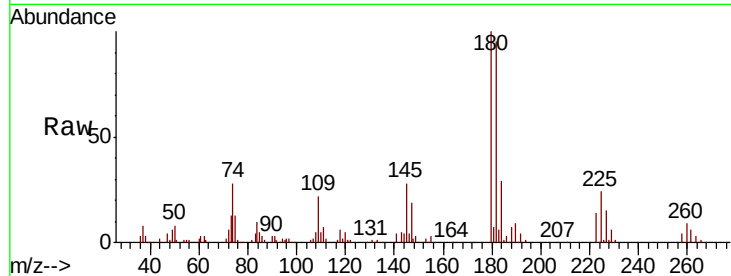




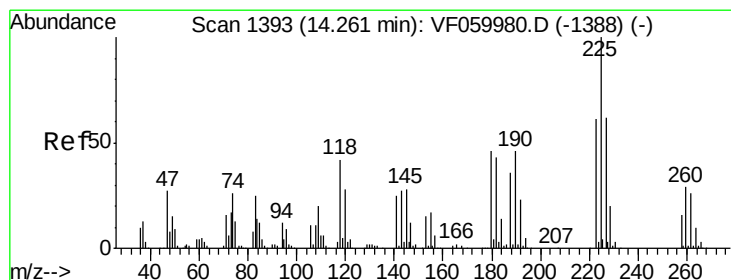
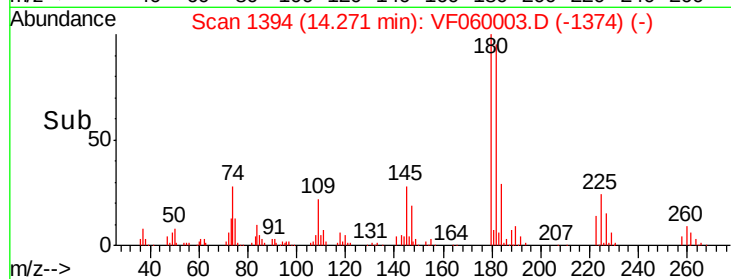
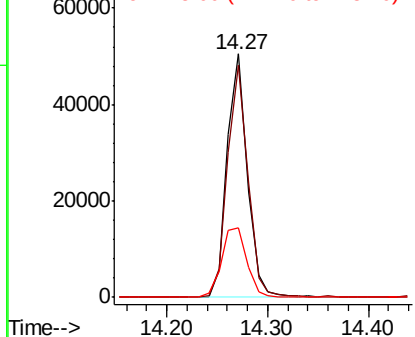
#93
1,2,4-Trichlorobenzene
Concen: 22.67 ug/l
RT: 14.27 min Scan# 1394
Delta R.T. 0.00 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBSD01

Tot Ion:180 Resp: 70652
Ion Ratio Lower Upper
180 100
182 95.2 47.9 143.6
145 28.3 17.2 51.5

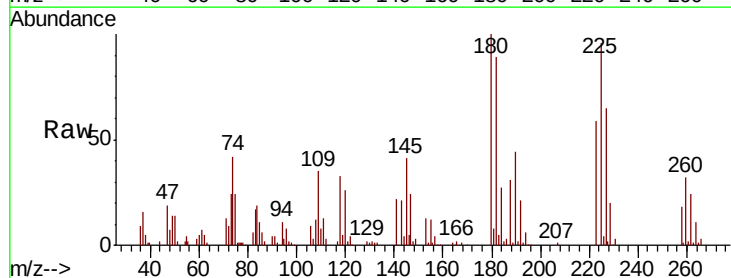


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

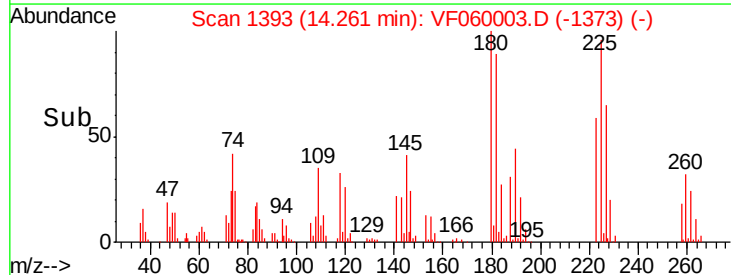
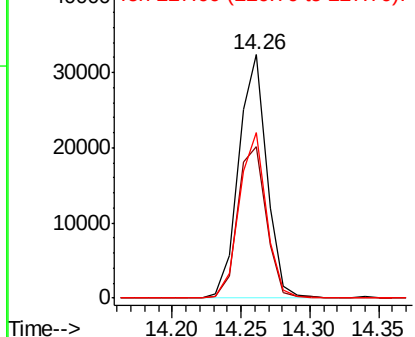


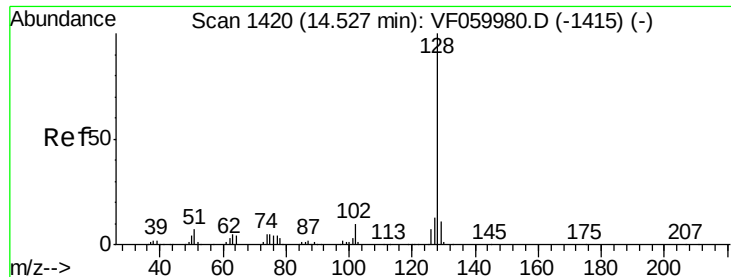
#94
Hexachlorobutadiene
Concen: 22.11 ug/l
RT: 14.26 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Tgt Ion:225 Resp: 46152
Ion Ratio Lower Upper
225 100
223 62.0 29.1 87.4
227 67.7 29.8 89.5



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

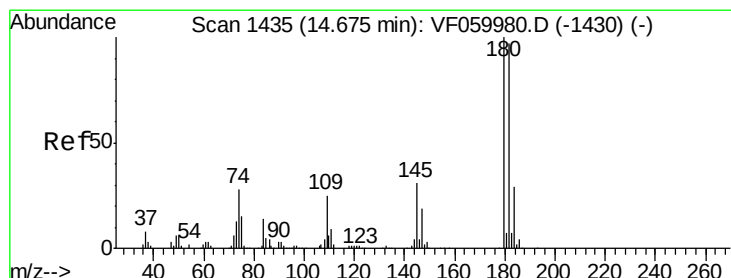
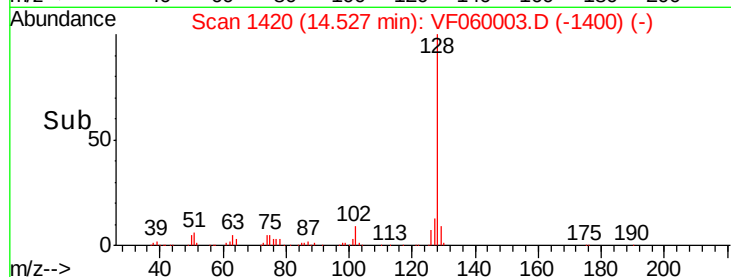
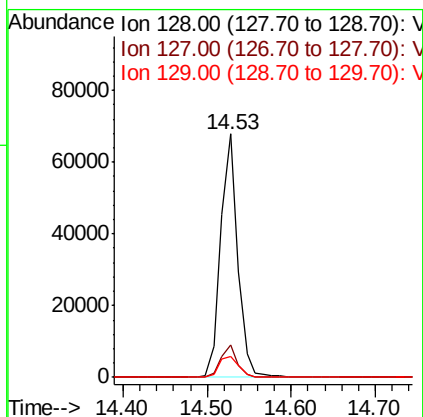
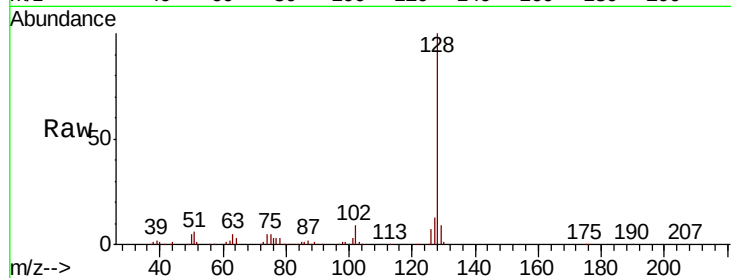




#95
Naphthalene
Concen: 21.83 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBSD01

Tot Ion:128 Resp: 95750
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.2
129 8.6 9.0 13.4#



#96
1,2,3-Trichlorobenzene
Concen: 22.46 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Tgt Ion:180 Resp: 67488
Ion Ratio Lower Upper
180 100
182 94.8 48.5 145.5
145 29.2 15.7 47.1

