

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
 Data File : VF060002.D
 Acq On : 20 Aug 2018 15:13
 Operator : VA/AP
 Sample : VF0820SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

Quant Time: Aug 21 04:25:14 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	5.05	168	123060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	169888	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	186844	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.64	152	127786	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	128533	54.11	ug/l	0.00
Spiked Amount 50.000			Recovery =	108.22%		
35) Dibromofluoromethane	4.29	113	96173	55.39	ug/l	-0.02
Spiked Amount 50.000			Recovery =	110.78%		
50) Toluene-d8	7.71	98	209585	54.28	ug/l	0.00
Spiked Amount 50.000			Recovery =	108.56%		
62) 4-Bromofluorobenzene	11.51	95	131300	55.41	ug/l	0.00
Spiked Amount 50.000			Recovery =	110.82%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	49580	23.75	ug/l	99
3) Chloromethane	1.07	50	32741	32.98	ug/l	94
4) Vinyl Chloride	1.11	62	32802	26.32	ug/l	88
5) Bromomethane	1.31	94	28841	25.57	ug/l	85
6) Chloroethane	1.39	64	15073	23.29	ug/l	100
7) Trichlorofluoromethane	1.48	101	79228	22.15	ug/l	96
8) Diethyl Ether	1.70	74	11587	21.95	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.85	101	41723	24.88	ug/l	94
10) Methyl Iodide	1.92	142	50639	23.93	ug/l	96
11) Tert butyl alcohol	2.68	59	13863	100.14	ug/l	96
12) 1,1-Dichloroethene	1.82	96	28324	24.49	ug/l	84
13) Acrolein	2.09	56	5232	79.53	ug/l #	81
14) Allyl chloride	2.19	41	46407	23.65	ug/l	92
15) Acrylonitrile	3.07	53	25110	112.18	ug/l	97
16) Acetone	2.33	43	85537	124.30	ug/l	96
17) Carbon Disulfide	1.83	76	95223	25.90	ug/l	98
18) Methyl Acetate	2.44	43	29105	22.27	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	78700	20.67	ug/l	98
20) Methylene Chloride	2.28	84	36817	25.98	ug/l	87
21) trans-1,2-Dichloroethene	2.41	96	28107	22.64	ug/l	95
22) Diisopropyl ether	2.92	45	91221	21.73	ug/l	98
23) Vinyl Acetate	3.33	43	226511	134.03	ug/l	99
24) 1,1-Dichloroethane	2.99	63	65074	23.64	ug/l	98
25) 2-Butanone	4.50	43	60967	106.17	ug/l	97
26) 2,2-Dichloropropane	3.75	77	60315	24.73	ug/l	92
27) cis-1,2-Dichloroethene	3.64	96	24010	21.15	ug/l	96
28) Bromochloromethane	3.89	49	18171	23.01	ug/l	99
29) Tetrahydrofuran	4.25	42	20208	98.60	ug/l	98
30) Chloroform	4.03	83	72194	22.68	ug/l	97
31) Cyclohexane	3.85	56	26608	21.11	ug/l #	88
32) 1,1,1-Trichloroethane	4.27	97	70762	22.78	ug/l	92
36) 1,1-Dichloropropene	4.45	75	44360	22.93	ug/l	91
37) Ethyl Acetate	4.29	43	24153	22.58	ug/l	87
38) Carbon Tetrachloride	4.17	117	63606	22.92	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	31023	21.37	ug/l	86
40) Benzene	4.81	78	71456	21.82	ug/l	99
41) Methacrylonitrile	4.92	41	10095	19.71	ug/l	98
42) 1,2-Dichloroethane	5.11	62	57190	20.59	ug/l	100
43) Isopropyl Acetate	7.11	43	22175	18.84	ug/l #	88
44) Trichloroethene	5.68	130	27633	21.62	ug/l	98
45) 1,2-Dichloropropane	6.41	63	19265	20.56	ug/l	93
46) Dibromomethane	6.25	93	20007	21.65	ug/l	94
47) Bromodichloromethane	6.54	83	57320	22.98	ug/l	98
48) Methyl methacrylate	6.87	41	18880	21.55	ug/l #	90
49) 1,4-Dioxane	6.86	88	2900	412.86	ug/l	91
51) 4-Methyl-2-Pentanone	8.41	43	116769	106.19	ug/l	99
52) Toluene	7.78	92	55359	22.58	ug/l	94
53) t-1,3-Dichloropropene	8.43	75	46832	22.26	ug/l	92
54) cis-1,3-Dichloropropene	7.45	75	45713	22.50	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	20670	21.02	ug/l	95
56) Ethyl methacrylate	8.76	69	23160	20.33	ug/l	96
57) 1,3-Dichloropropane	9.00	76	37812	21.57	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.78	63	13495	141.23	ug/l	100
59) 2-Hexanone	9.63	43	102116	112.47	ug/l	99
60) Dibromochloromethane	8.86	129	39056	21.73	ug/l	96
61) 1,2-Dibromoethane	9.14	107	26094	21.27	ug/l	93
64) Tetrachloroethene	8.31	164	29009	20.38	ug/l	88
65) Chlorobenzene	9.94	112	75831	20.56	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	37475	22.09	ug/l	97
67) Ethyl Benzene	10.04	91	173618	25.93	ug/l	100
68) m/p-Xylenes	10.27	106	99690	42.97	ug/l	93
69) o-Xylene	10.83	106	52791	22.20	ug/l	99
70) Styrene	10.90	104	82257	21.59	ug/l	98
71) Bromoform	10.89	173	25076	19.99	ug/l	96
73) Isopropylbenzene	11.23	105	176864	23.09	ug/l	99
74) N-amyl acetate	11.46	43	43178	19.86	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.79	83	31360	20.85	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	27690	20.79	ug/l	98
77) Bromobenzene	11.60	156	47540	22.25	ug/l	81
78) n-propylbenzene	11.69	91	207105	21.78	ug/l	97
79) 2-Chlorotoluene	11.82	91	121980	21.11	ug/l	92
80) 1,3,5-Trimethylbenzene	11.92	105	155149	22.40	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	15462	27.50	ug/l	93
82) 4-Chlorotoluene	11.99	91	141266	22.34	ug/l	95
83) tert-Butylbenzene	12.21	119	152428	22.40	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	161159	22.10	ug/l	100
85) sec-Butylbenzene	12.39	105	200374	22.28	ug/l	96
86) p-Isopropyltoluene	12.54	119	178844	22.48	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	91134	22.35	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	85850	21.50	ug/l	98
89) n-Butylbenzene	12.92	91	173145	22.52	ug/l	95
90) Hexachloroethane	13.00	117	40458	22.58	ug/l	92
91) 1,2-Dichlorobenzene	13.02	146	84735	21.71	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	8718	20.96	ug/l	97

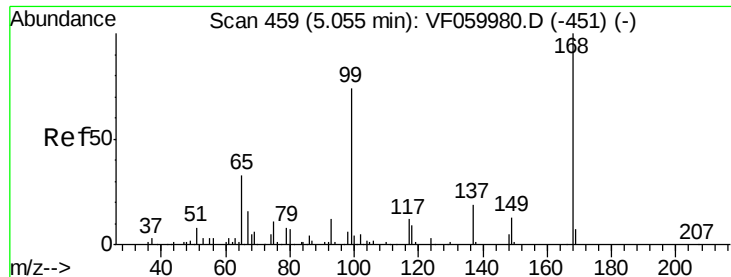
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082018\
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MSVOA_F
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:11:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	69145	21.71	ug/l	97
94) Hexachlorobutadiene	14.26	225	45961	21.54	ug/l	98
95) Naphthalene	14.53	128	85763	19.13	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	66054	21.51	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

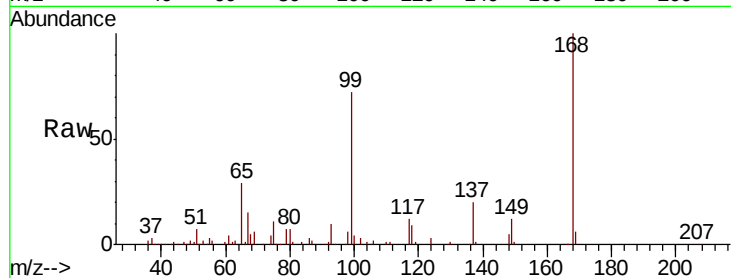
VF0820SBS01

Tot Ion:168 Resp: 123060

Ion Ratio Lower Upper

168 100

99 72.2 59.0 88.6

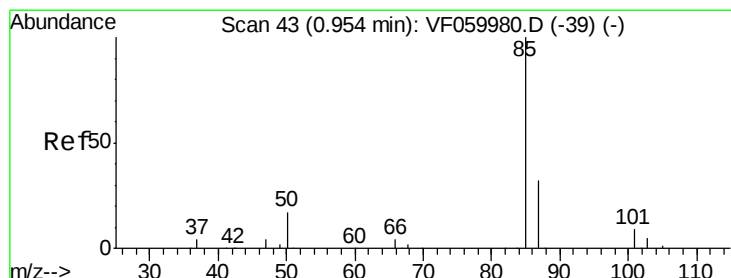
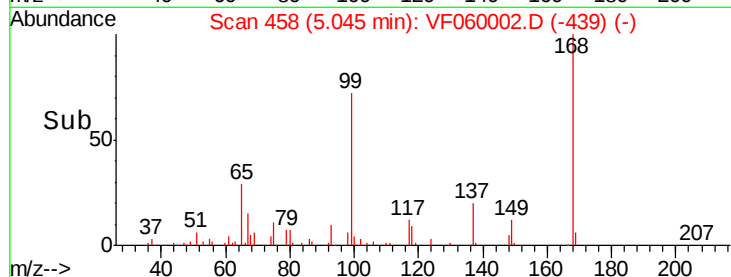


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 23.75 ug/l

RT: 0.95 min Scan# 43

Delta R.T. 0.00 min

Lab File: VF060002.D

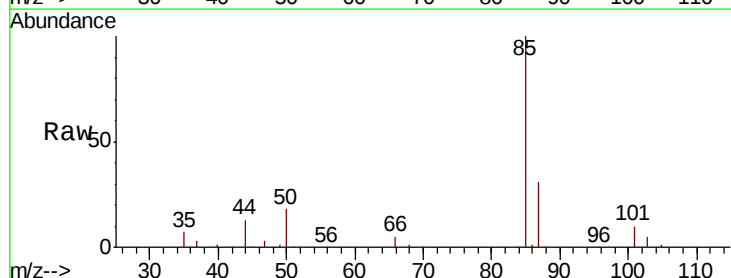
Acq: 20 Aug 2018 15:13

Tgt Ion: 85 Resp: 49580

Ion Ratio Lower Upper

85 100

87 31.4 15.9 47.7

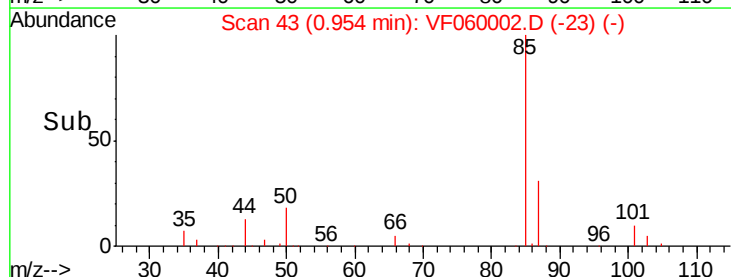


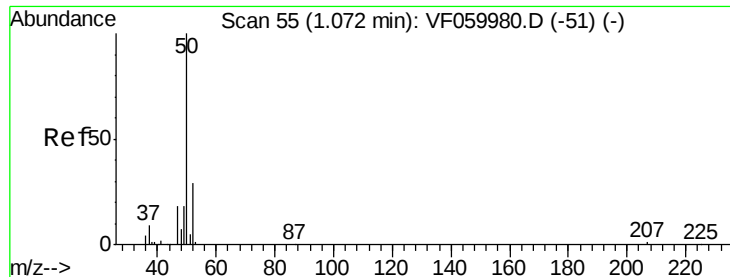
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

Time-->





#3

Chloromethane

Concen: 32.98 ug/l

RT: 1.07 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

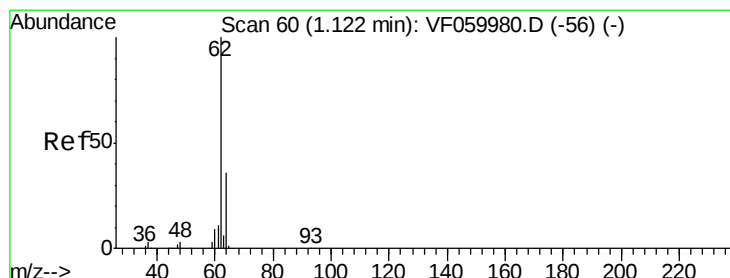
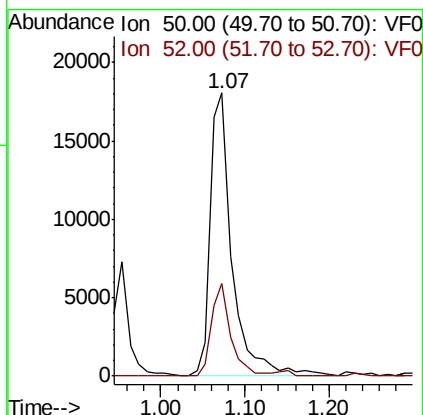
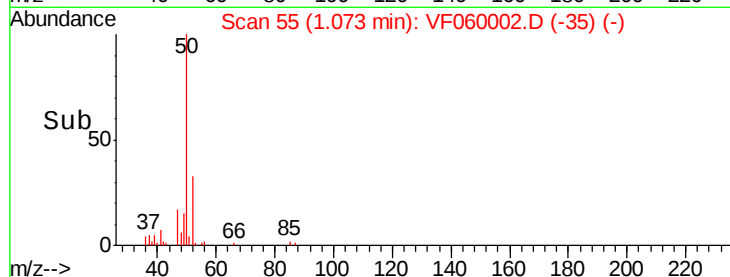
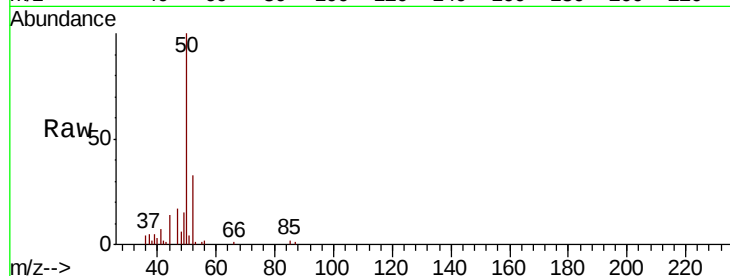
VF0820SBS01

Tot Ion: 50 Resp: 32741

Ion Ratio Lower Upper

50 100

52 33.0 23.6 35.4



#4

Vinyl Chloride

Concen: 26.32 ug/l

RT: 1.11 min Scan# 59

Delta R.T. -0.01 min

Lab File: VF060002.D

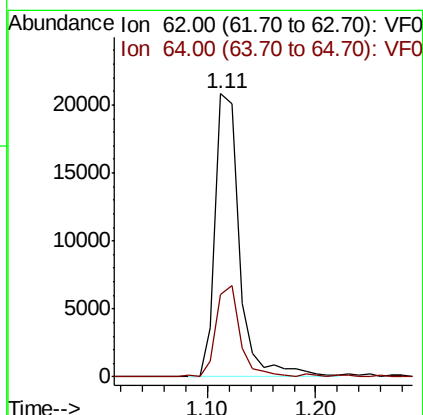
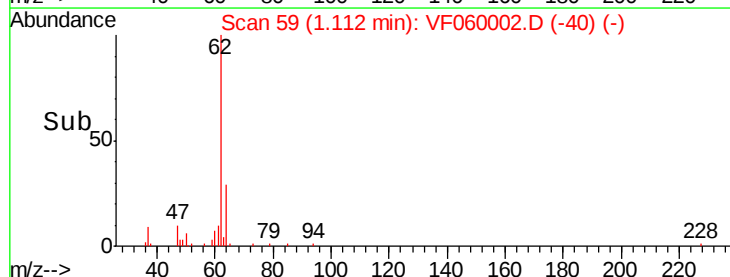
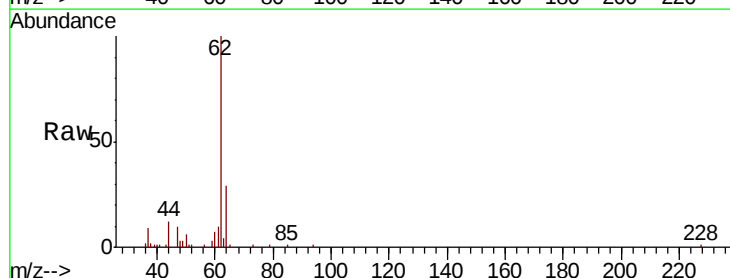
Acq: 20 Aug 2018 15:13

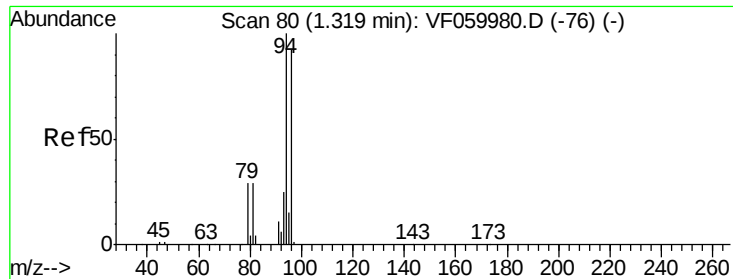
Tgt Ion: 62 Resp: 32802

Ion Ratio Lower Upper

62 100

64 29.1 28.7 43.1





#5

Bromomethane

Concen: 25.57 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

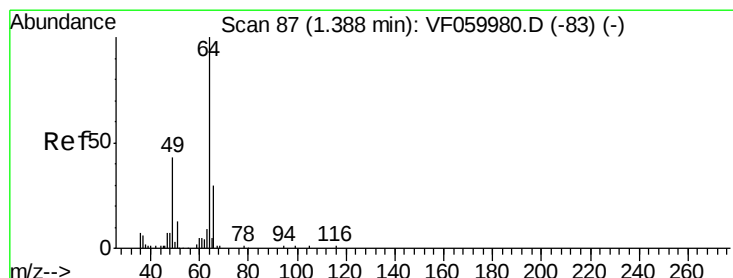
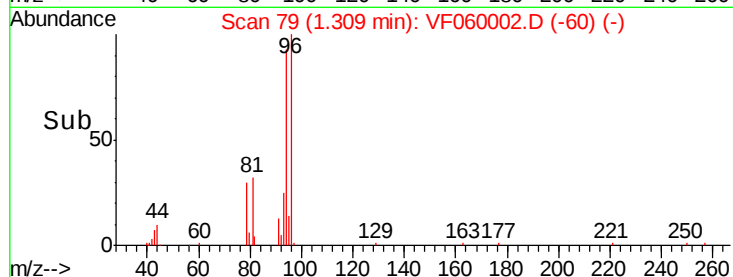
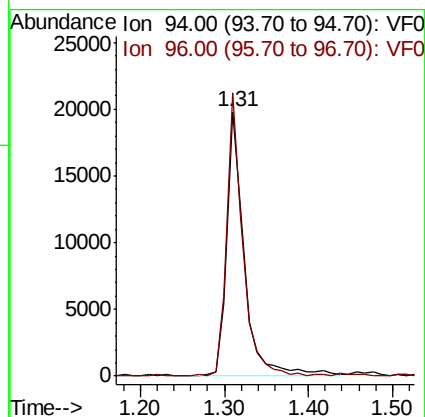
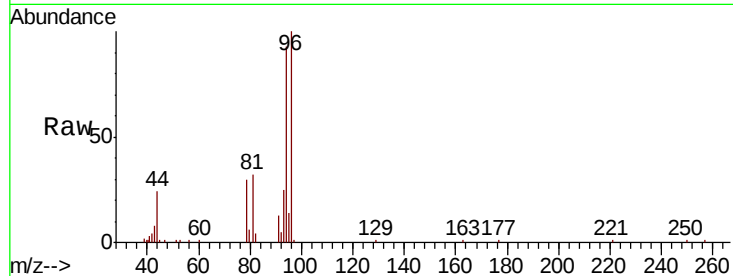
VF0820SBS01

Tot Ion: 94 Resp: 28841

Ion Ratio Lower Upper

94 100

96 107.0 73.9 110.9



#6

Chloroethane

Concen: 23.29 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF060002.D

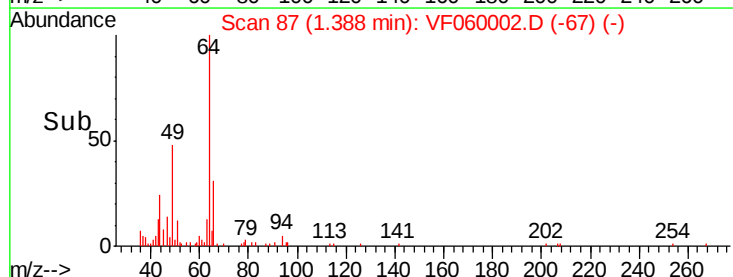
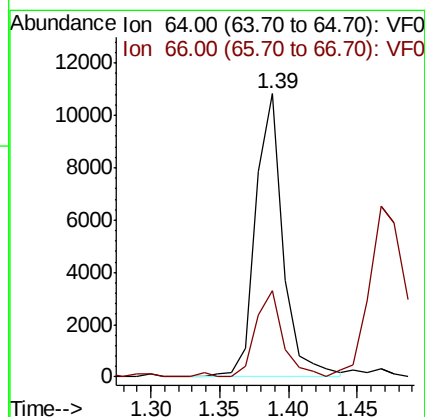
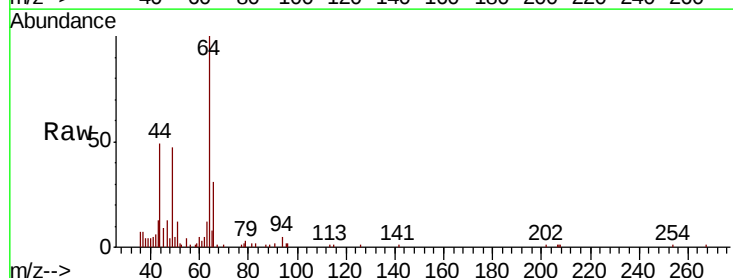
Acq: 20 Aug 2018 15:13

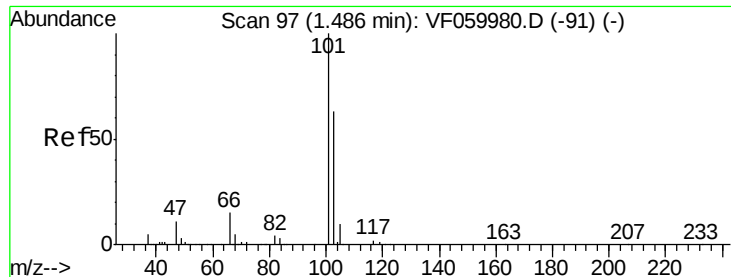
Tgt Ion: 64 Resp: 15073

Ion Ratio Lower Upper

64 100

66 30.7 24.4 36.6





#7

Trichlorofluoromethane

Concen: 22.15 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

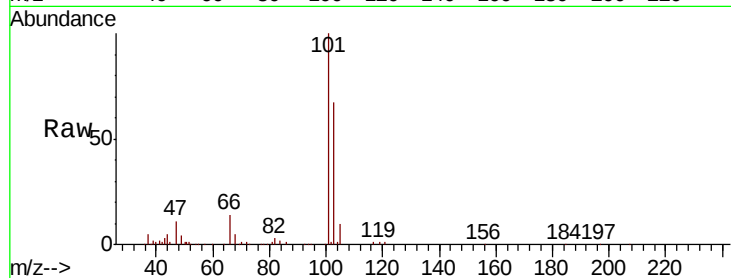
VF0820SBS01

Tot Ion:101 Resp: 79228

Ion Ratio Lower Upper

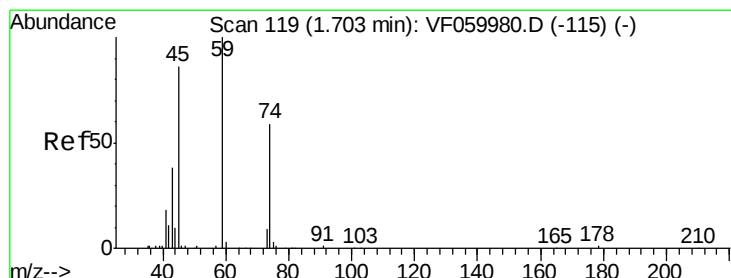
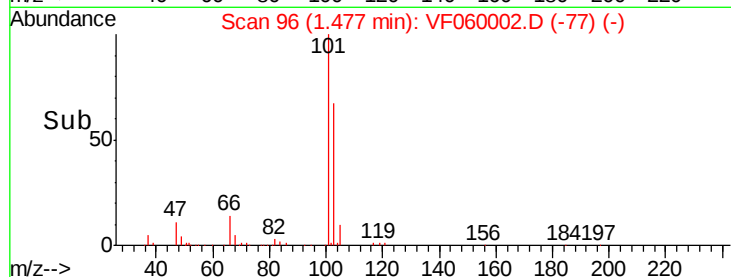
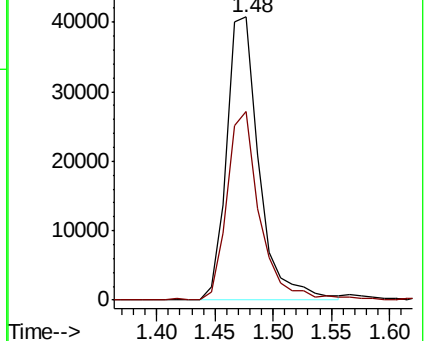
101 100

103 66.6 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: 21.95 ug/l

RT: 1.70 min Scan# 119

Delta R.T. 0.00 min

Lab File: VF060002.D

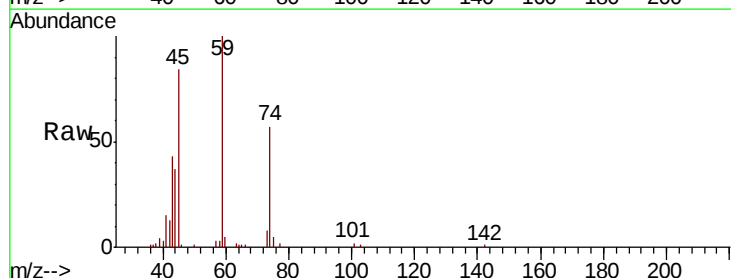
Acq: 20 Aug 2018 15:13

Tgt Ion: 74 Resp: 11587

Ion Ratio Lower Upper

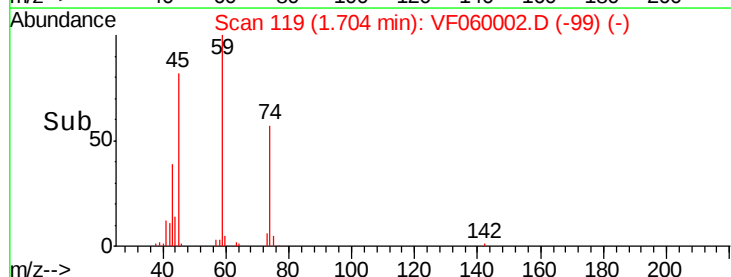
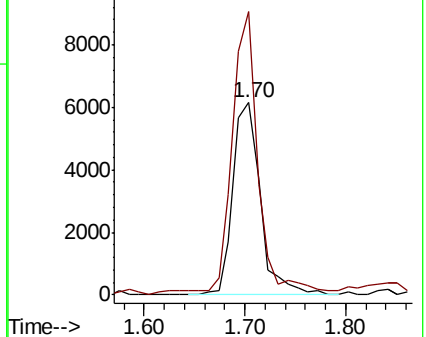
74 100

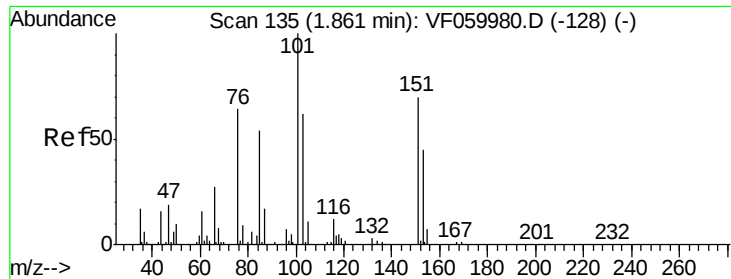
45 147.3 73.5 220.3



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: 24.88 ug/l

RT: 1.85 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

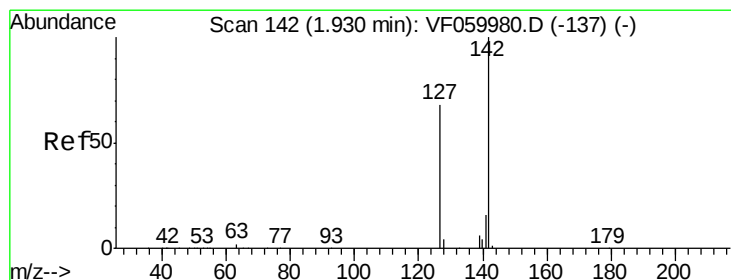
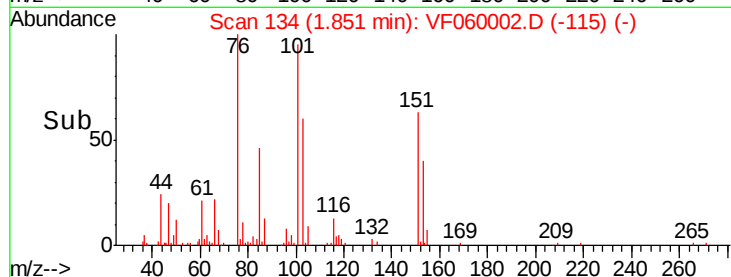
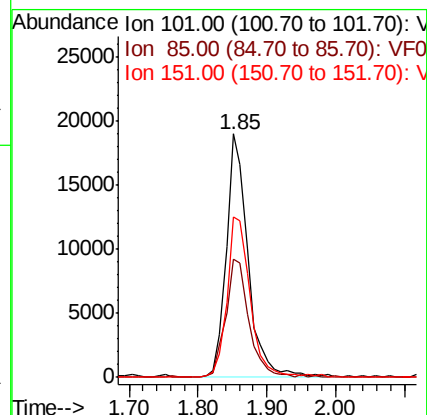
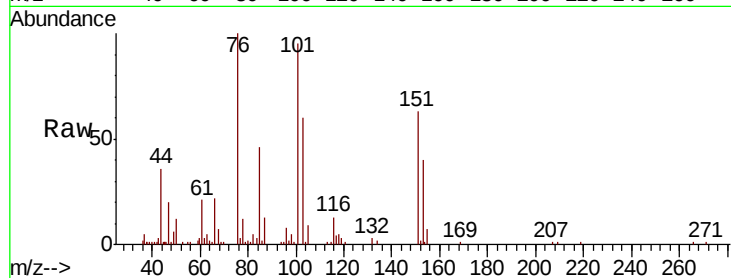
Tot Ion:101 Resp: 41723

Ion Ratio Lower Upper

101 100

85 48.6 43.0 64.6

151 66.0 56.2 84.2



#10

Methyl Iodide

Concen: 23.93 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

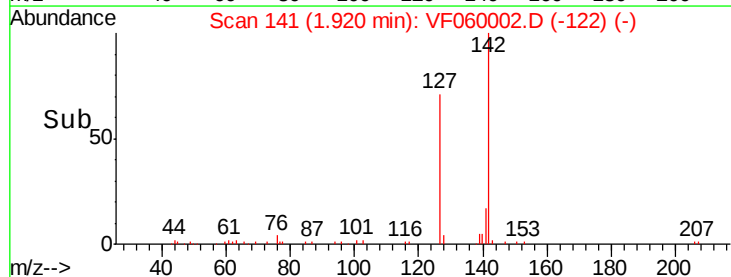
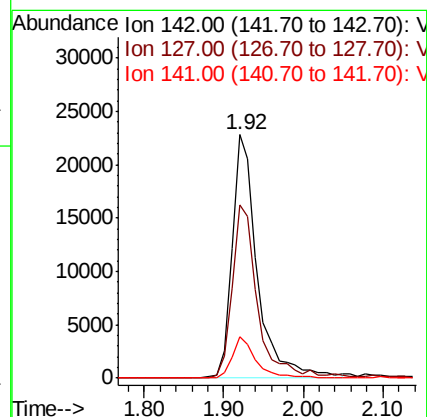
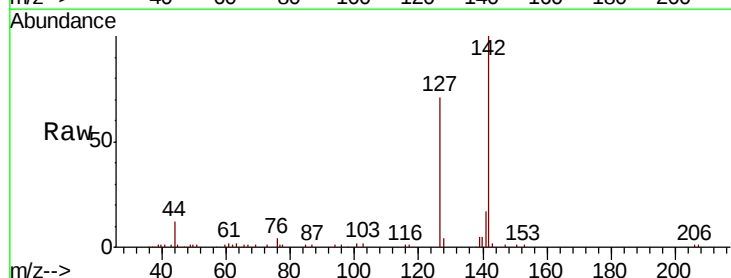
Tgt Ion:142 Resp: 50639

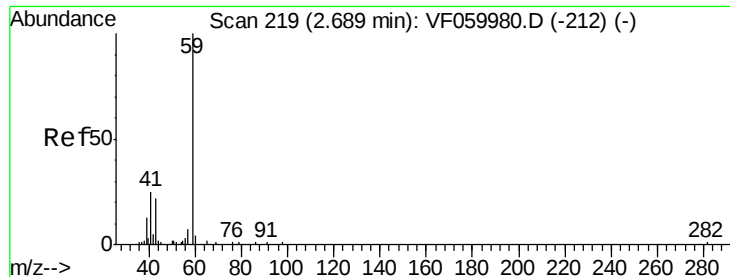
Ion Ratio Lower Upper

142 100

127 71.0 54.1 81.1

141 16.8 12.5 18.7



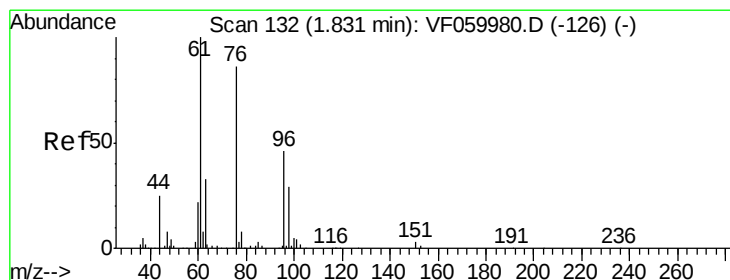
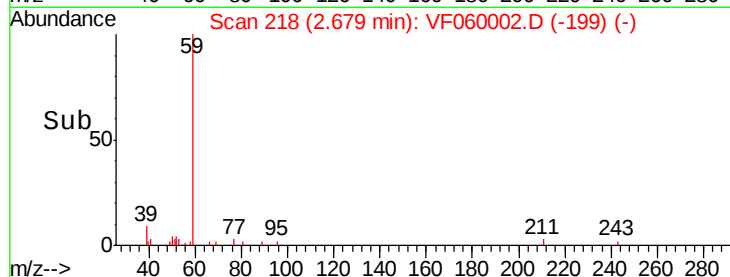
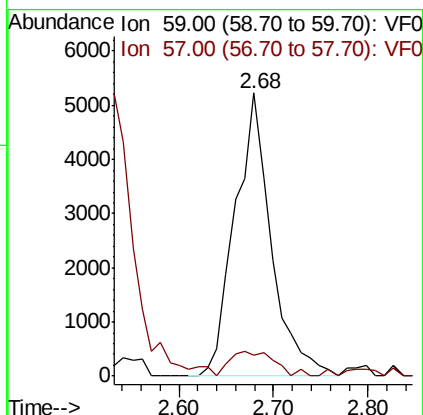
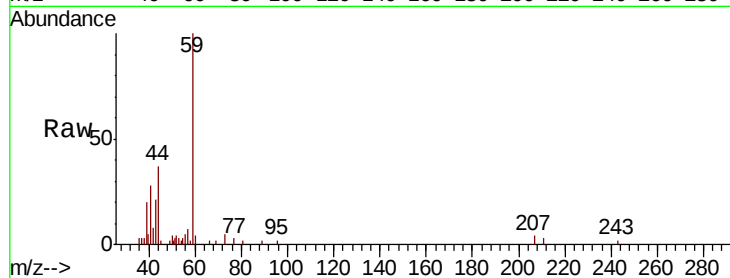


#11

Tert butyl alcohol
 Concen: 100.14 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

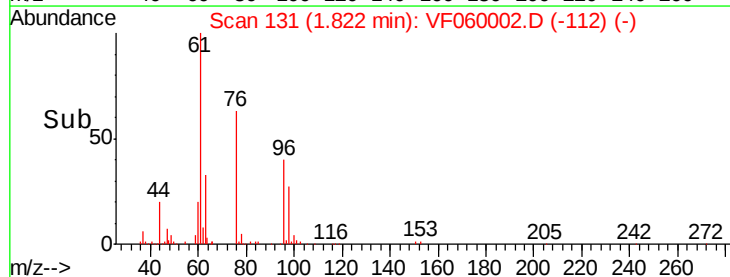
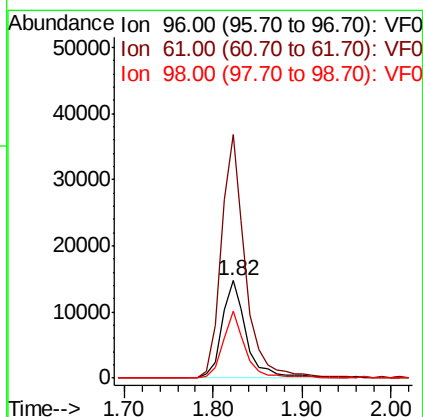
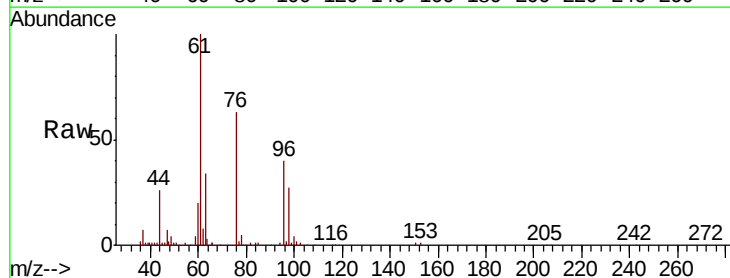
Tot Ion: 59 Resp: 13863
 Ion Ratio Lower Upper
 59 100
 57 7.2 6.8 10.2

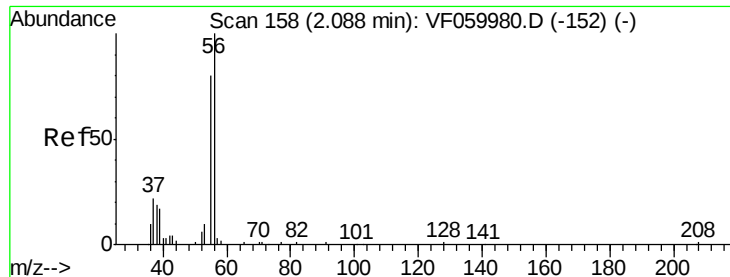


#12

1,1-Dichloroethene
 Concen: 24.49 ug/l
 RT: 1.82 min Scan# 131
 Delta R.T. -0.01 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Tgt Ion: 96 Resp: 28324
 Ion Ratio Lower Upper
 96 100
 61 250.0 175.6 263.4
 98 68.2 50.6 75.8





#13

Acrolein

Concen: 79.53 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

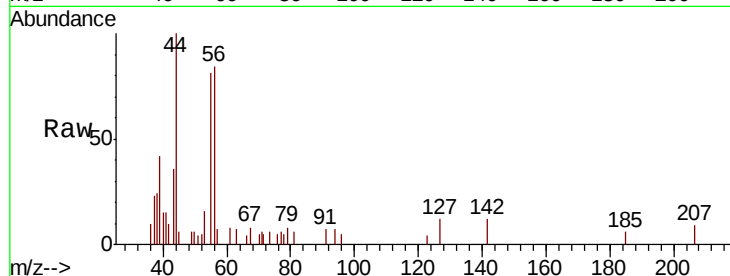
VF0820SBS01

Tot Ion: 56 Resp: 5232

Ion Ratio Lower Upper

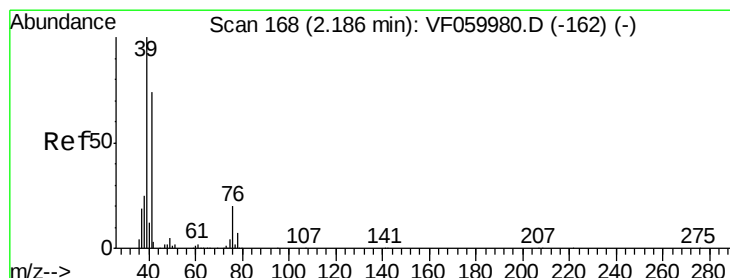
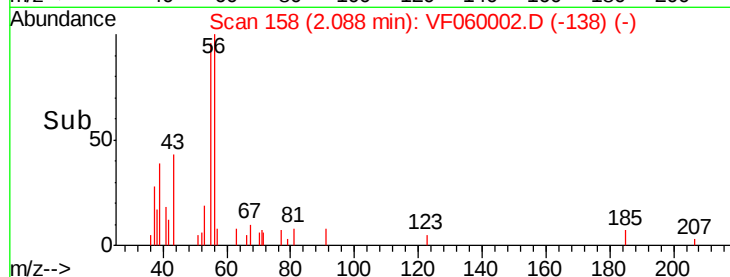
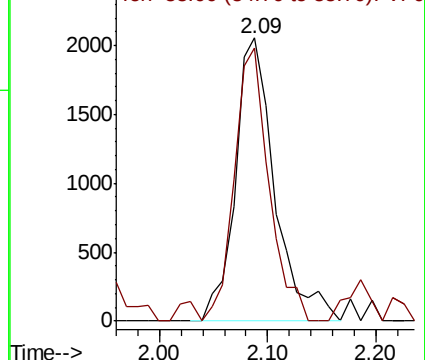
56 100

55 96.3 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: 23.65 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

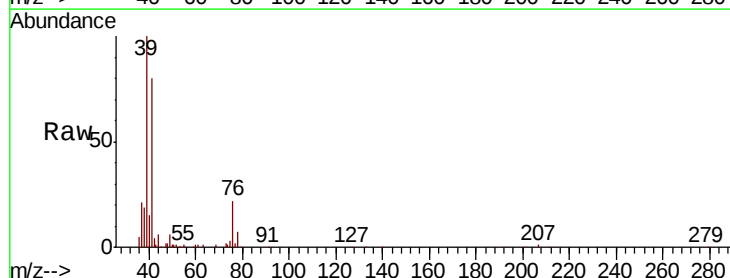
Tgt Ion: 41 Resp: 46407

Ion Ratio Lower Upper

41 100

39 125.5 109.3 163.9

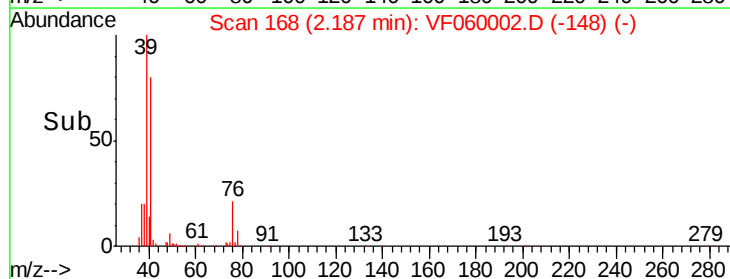
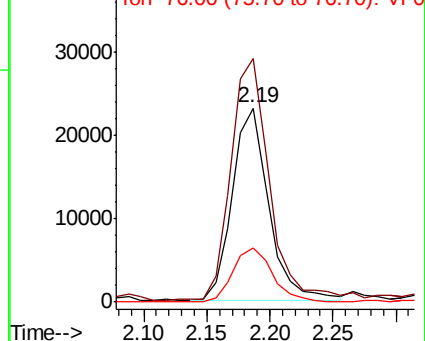
76 27.6 21.3 31.9

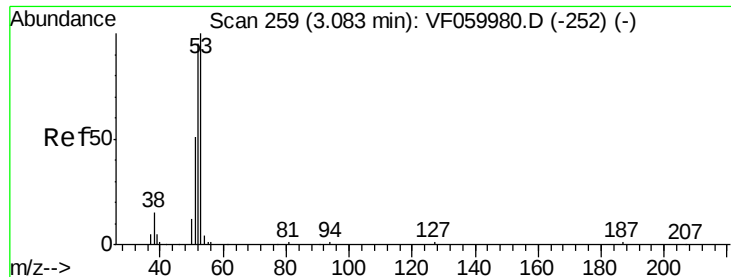


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 112.18 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

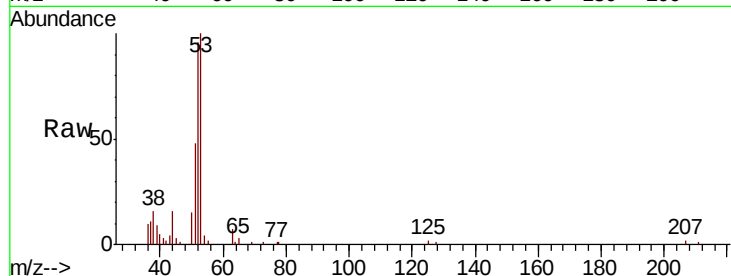
MSVOA_F

ClientSampleId :

VF0820SBS01

Tot Ion: 53 Resp: 25110

Ion	Ratio	Lower	Upper
53	100		
52	96.2	76.0	114.0
51	48.4	41.9	62.9

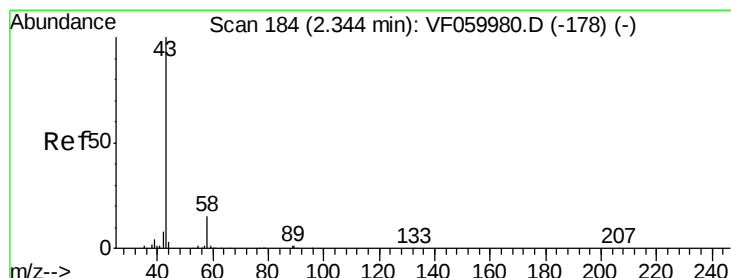
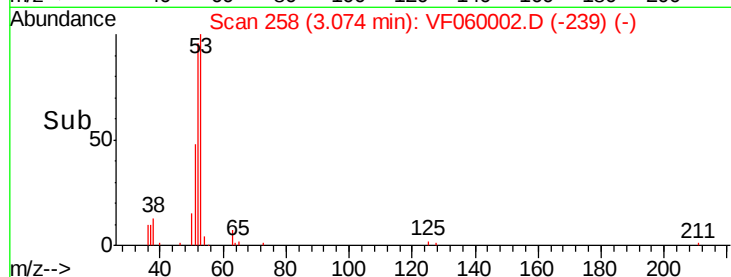


Abundance

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: 124.30 ug/l

RT: 2.33 min Scan# 183

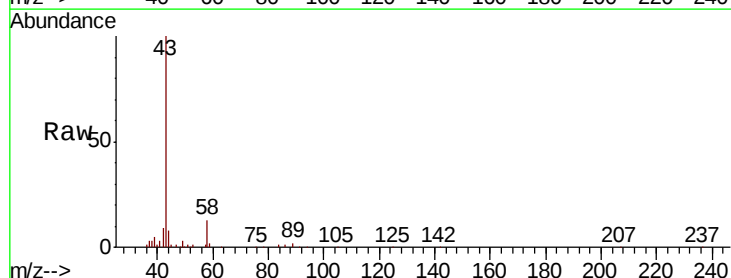
Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Tgt Ion: 43 Resp: 85537

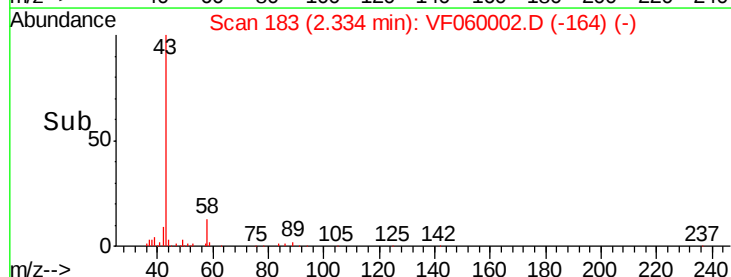
Ion	Ratio	Lower	Upper
43	100		
58	13.2	11.9	17.9

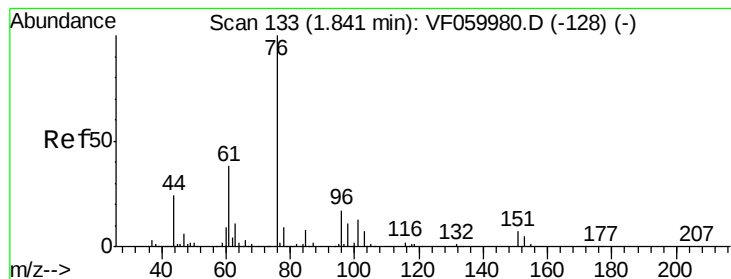


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 25.90 ug/l

RT: 1.83 min Scan# 132

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

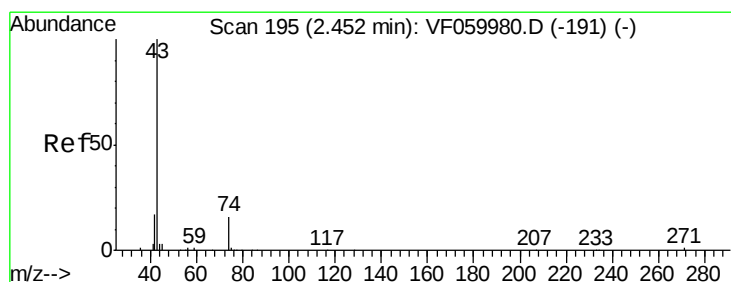
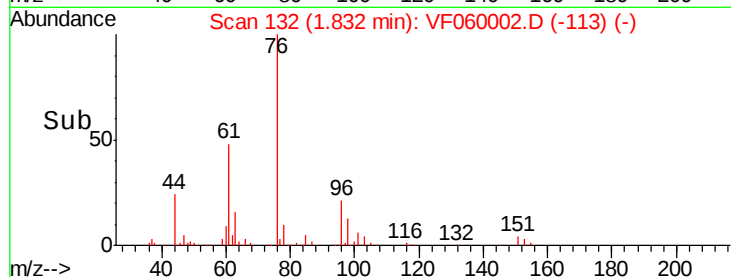
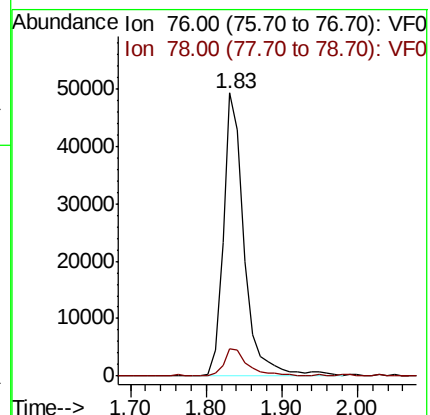
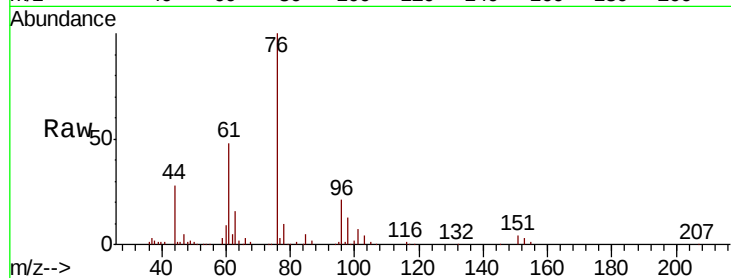
VF0820SBS01

Tot Ion: 76 Resp: 95223

Ion Ratio Lower Upper

76 100

78 9.6 7.2 10.8



#18

Methyl Acetate

Concen: 22.27 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF060002.D

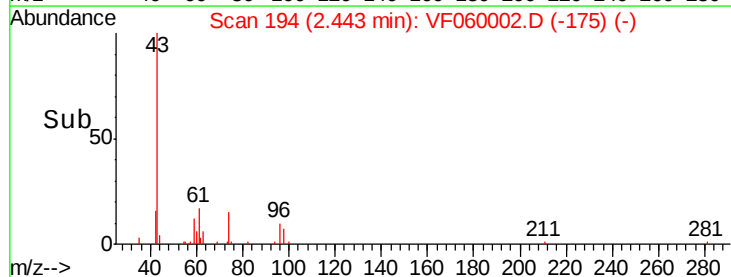
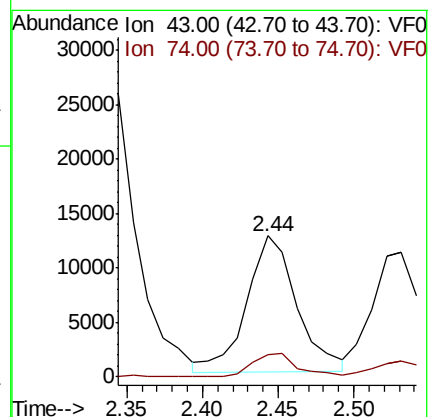
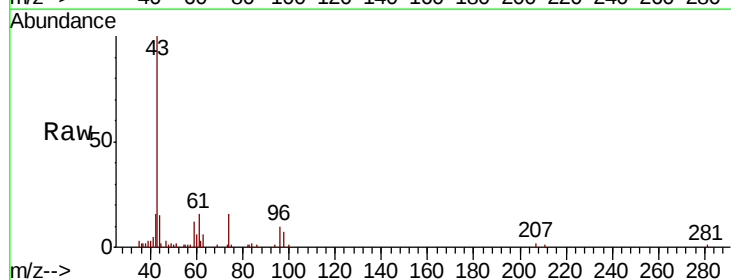
Acq: 20 Aug 2018 15:13

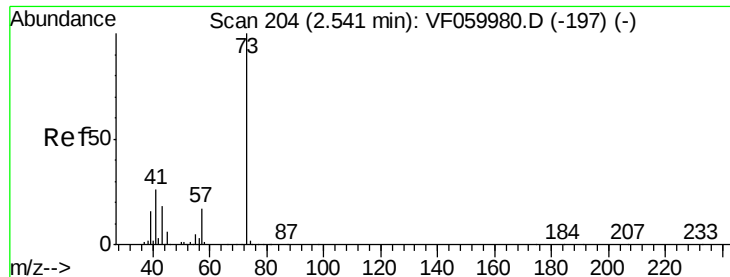
Tgt Ion: 43 Resp: 29105

Ion Ratio Lower Upper

43 100

74 15.8 12.3 18.5



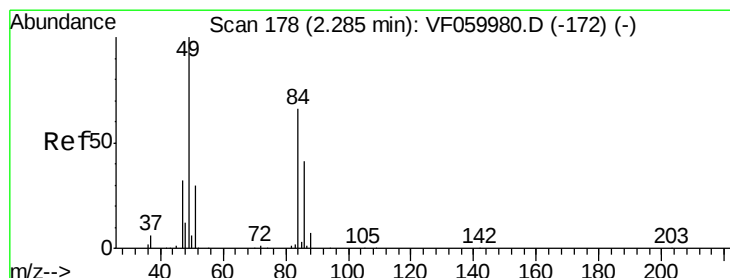
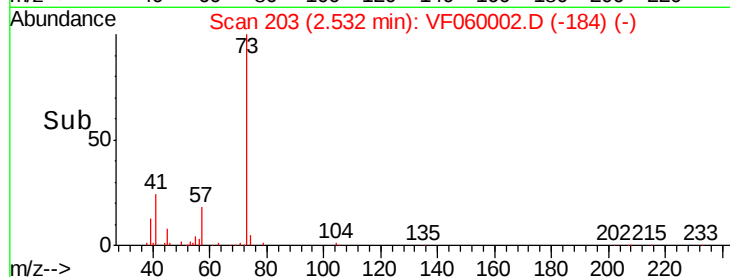
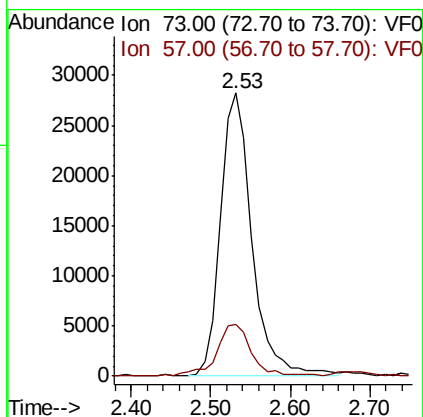
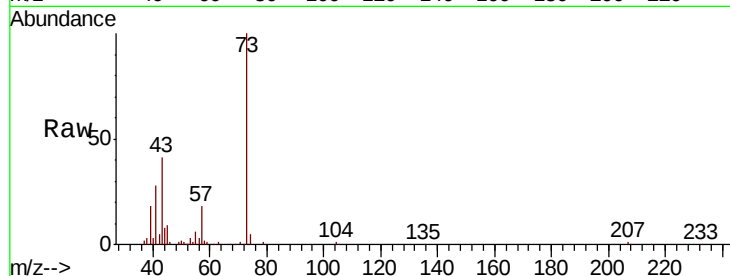


#19

Methyl tert-butyl Ether
 Concen: 20.67 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. -0.01 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

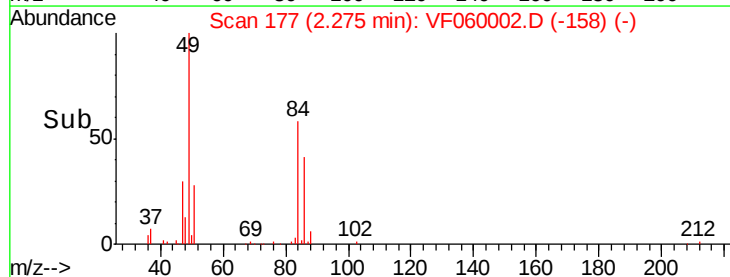
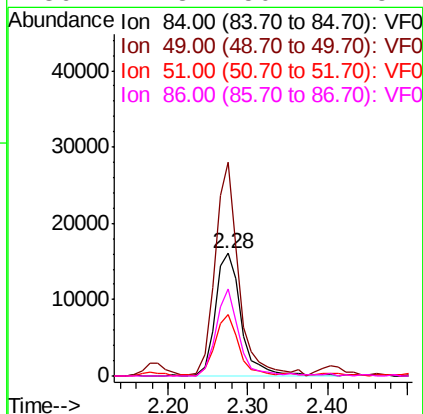
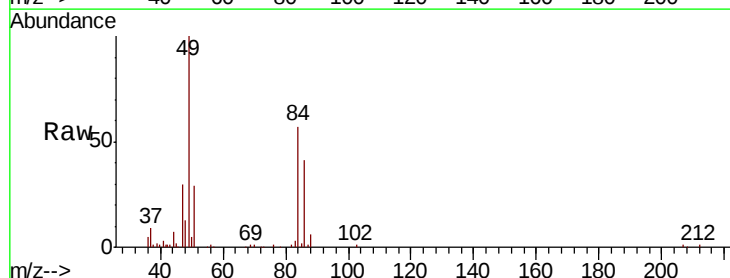
Tot Ion: 73 Resp: 78700
 Ion Ratio Lower Upper
 73 100
 57 18.4 14.2 21.2

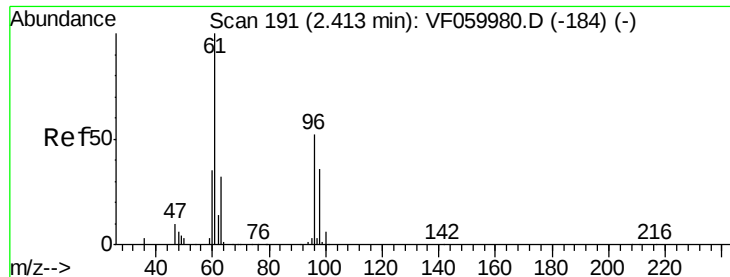


#20

Methylene Chloride
 Concen: 25.98 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. -0.01 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Tgt Ion: 84 Resp: 36817
 Ion Ratio Lower Upper
 84 100
 49 174.5 122.5 183.7
 51 50.0 37.1 55.7
 86 71.3 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 22.64 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

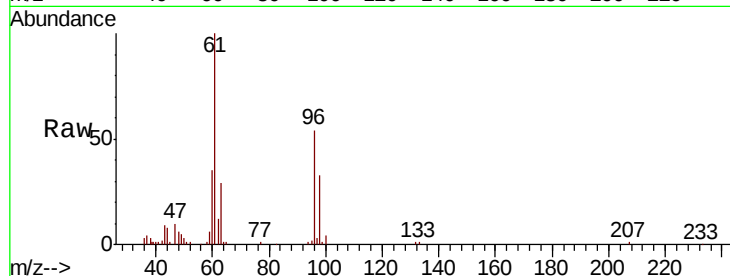
Tot Ion: 96 Resp: 28107

Ion Ratio Lower Upper

96 100

61 186.7 153.0 229.4

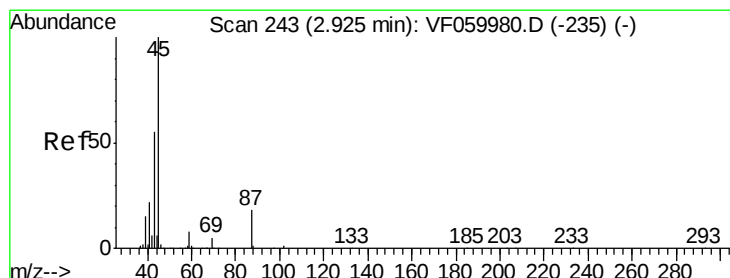
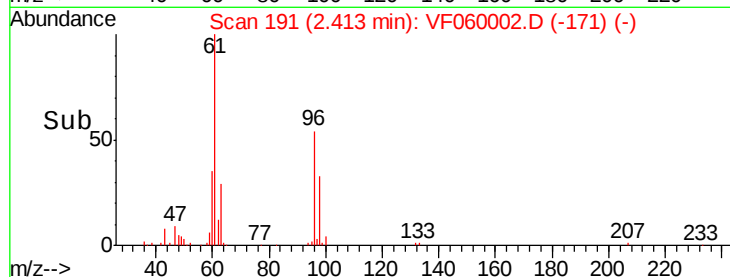
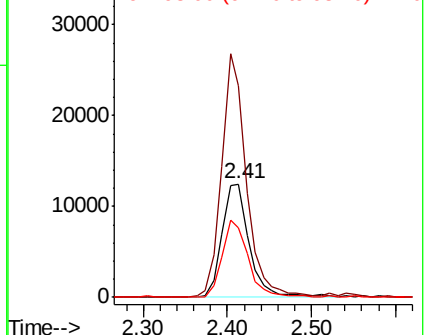
98 61.6 55.5 83.3



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: 21.73 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Tgt Ion: 45 Resp: 91221

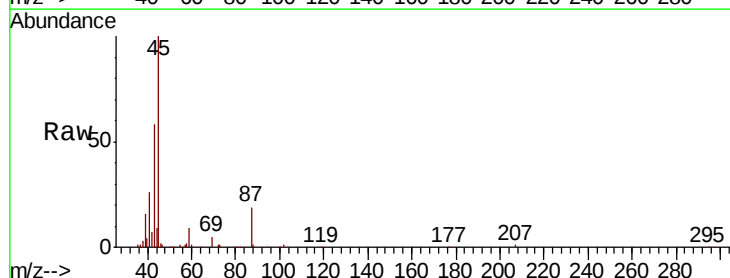
Ion Ratio Lower Upper

45 100

43 57.8 44.8 67.2

87 18.6 14.6 21.8

59 8.5 6.8 10.2

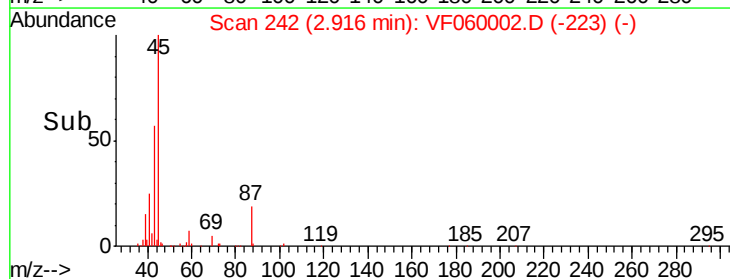
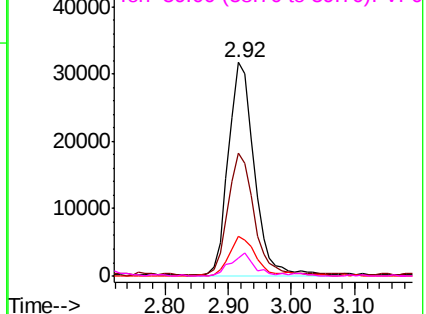


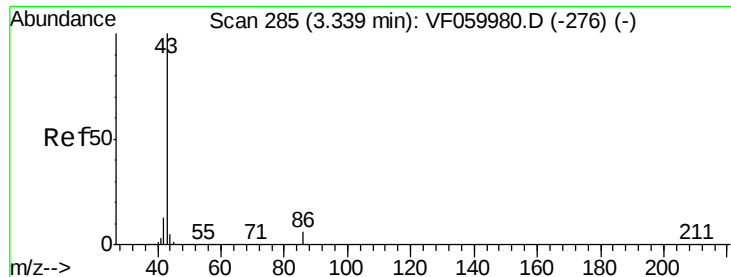
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 134.03 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

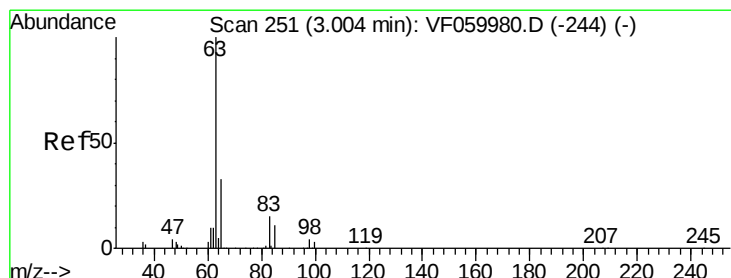
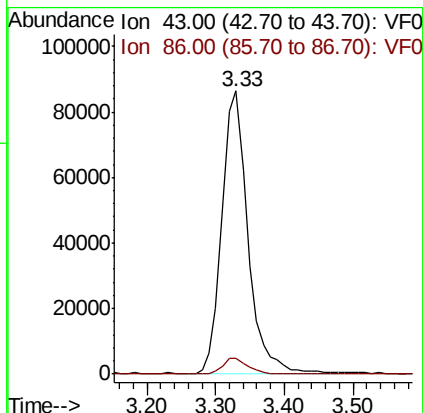
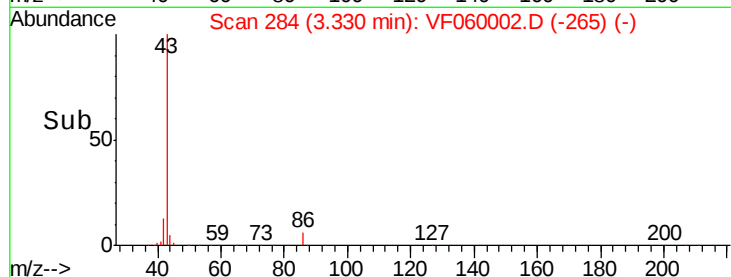
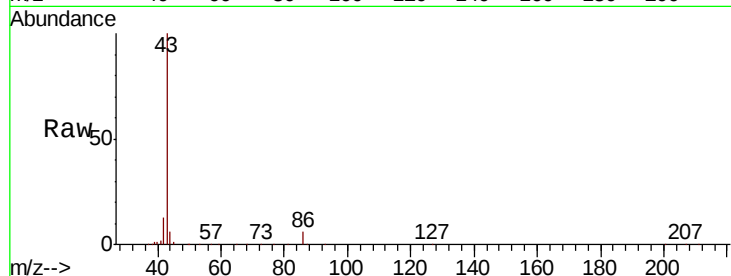
VF0820SBS01

Tot Ion: 43 Resp: 226511

Ion Ratio Lower Upper

43 100

86 5.7 4.4 6.6



#24

1,1-Dichloroethane

Concen: 23.64 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

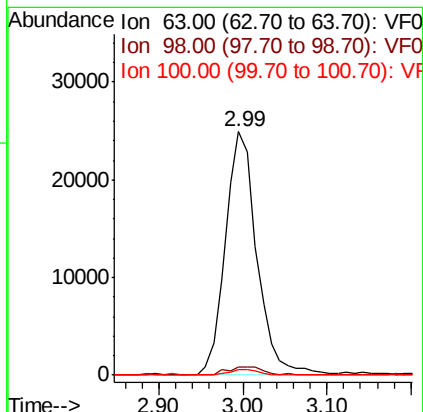
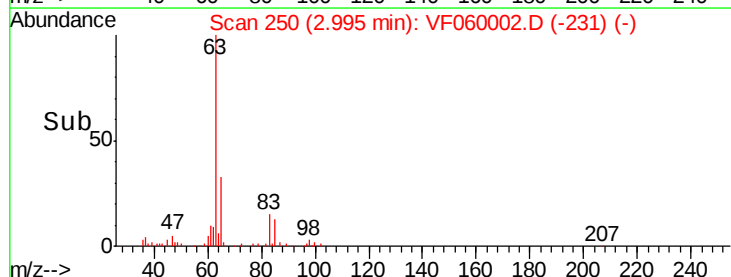
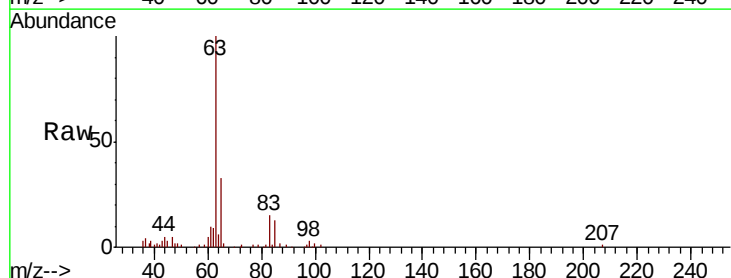
Tgt Ion: 63 Resp: 65074

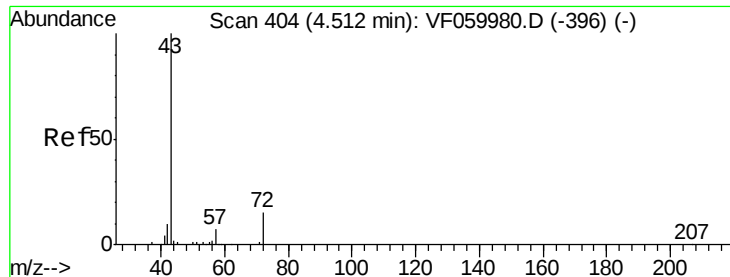
Ion Ratio Lower Upper

63 100

98 3.1 2.0 5.8

100 2.4 1.4 4.2





#25

2-Butanone

Concen: 106.17 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

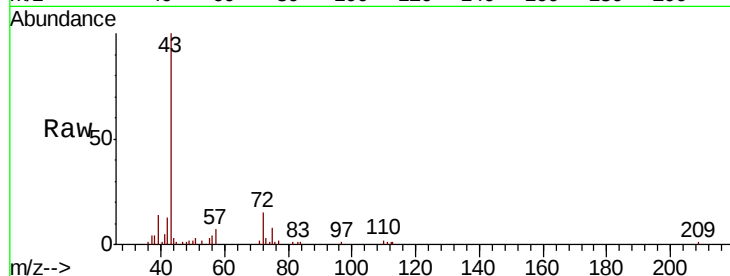
VF0820SBS01

Tot Ion: 43 Resp: 60967

Ion Ratio Lower Upper

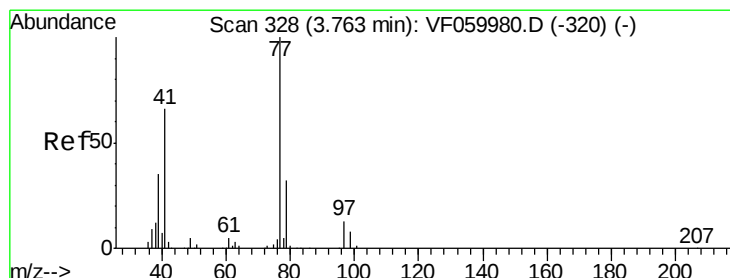
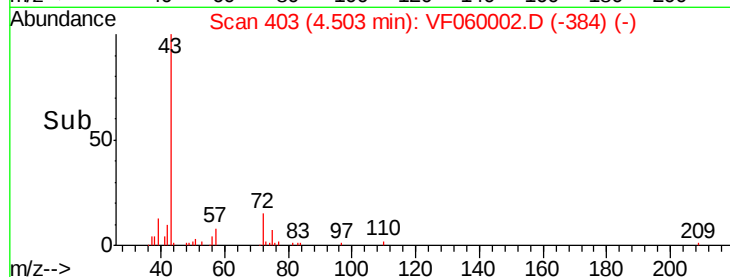
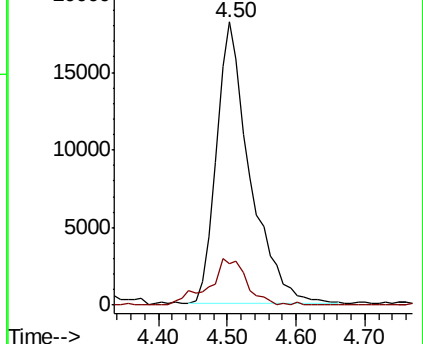
43 100

72 14.5 12.5 18.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 24.73 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF060002.D

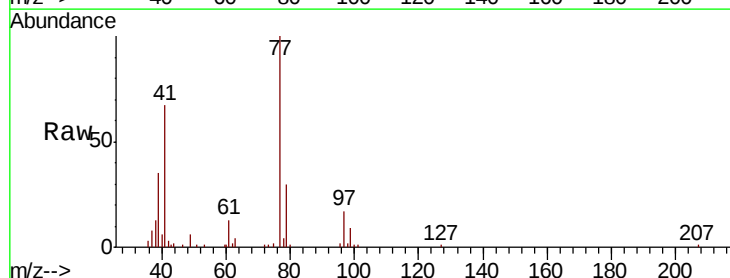
Acq: 20 Aug 2018 15:13

Tgt Ion: 77 Resp: 60315

Ion Ratio Lower Upper

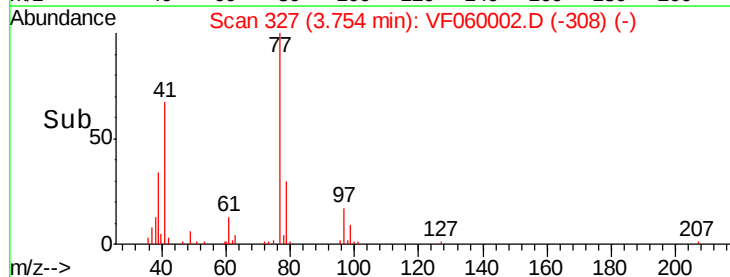
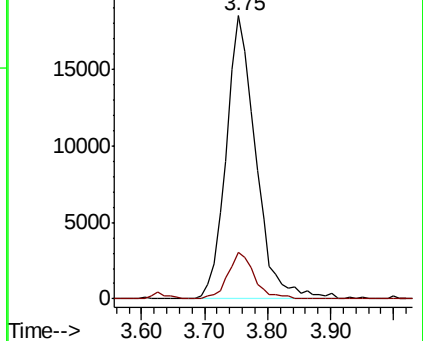
77 100

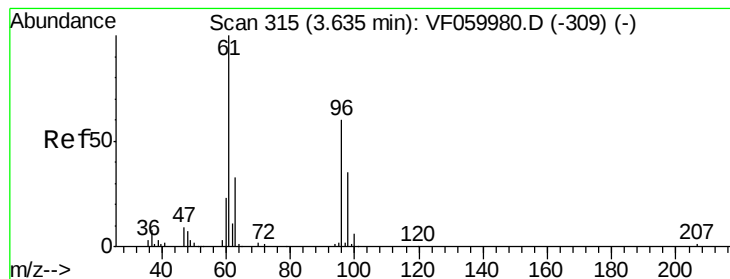
97 16.6 6.7 20.0



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

cis-1,2-Dichloroethene

Concen: 21.15 ug/l

RT: 3.64 min Scan# 315

Delta R.T. 0.00 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

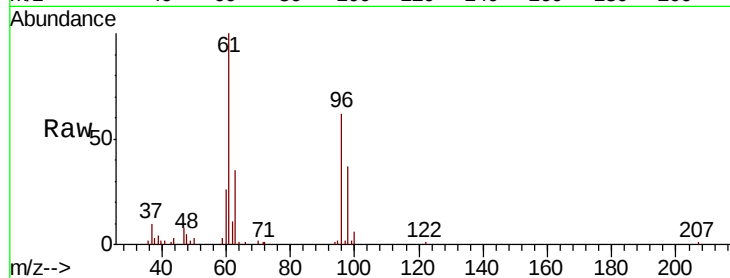
Tot Ion: 96 Resp: 24010

Ion Ratio Lower Upper

96 100

61 160.5 0.0 335.0

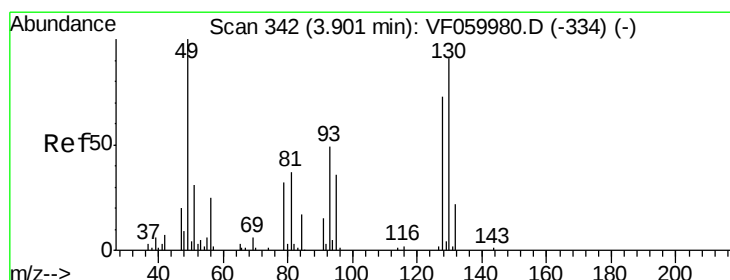
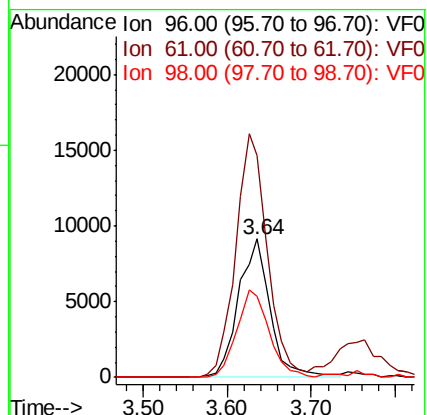
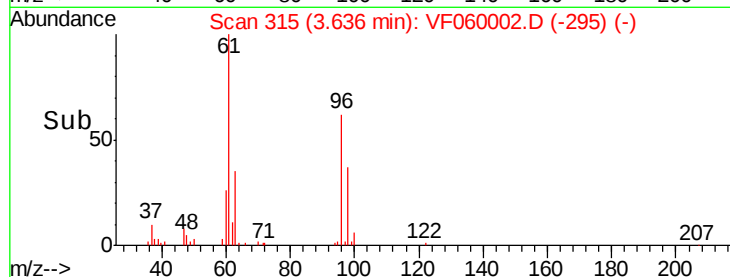
98 58.8 0.0 117.2



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: 23.01 ug/l

RT: 3.89 min Scan# 341

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

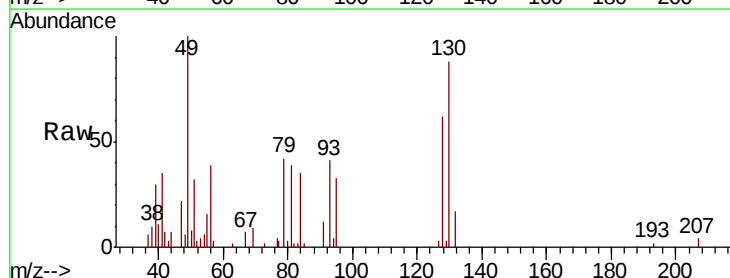
Tgt Ion: 49 Resp: 18171

Ion Ratio Lower Upper

49 100

129 2.8 0.0 7.6

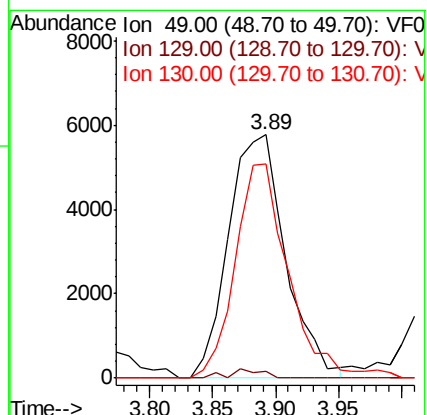
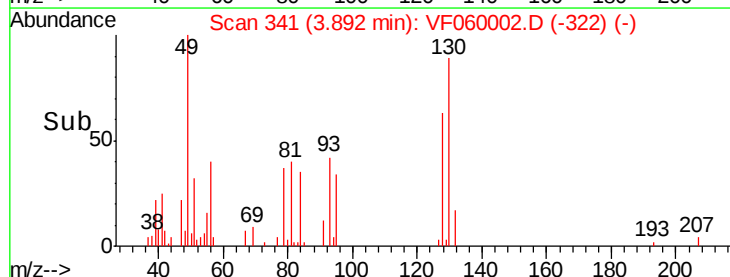
130 87.9 71.3 106.9

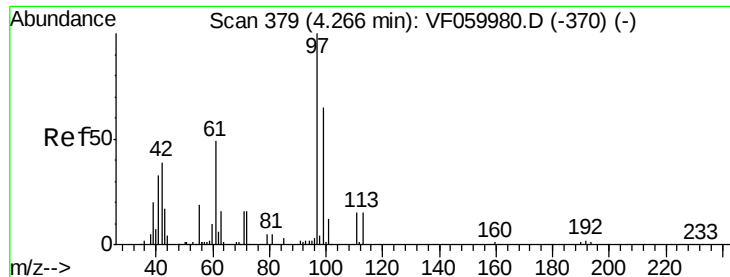


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 98.60 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.02 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

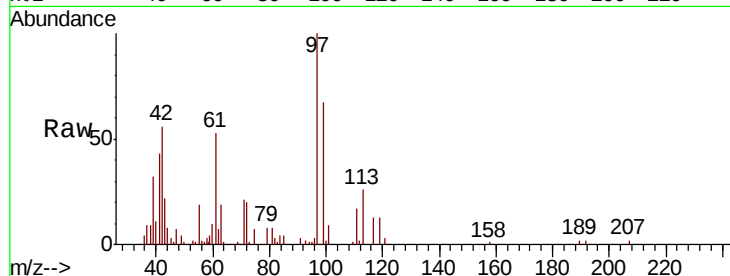
Tot Ion: 42 Resp: 20208

Ion Ratio Lower Upper

42 100

72 36.1 29.8 44.6

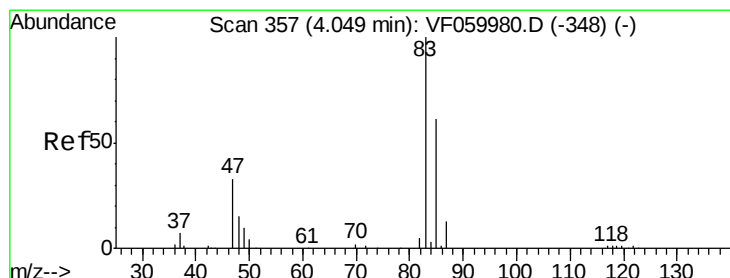
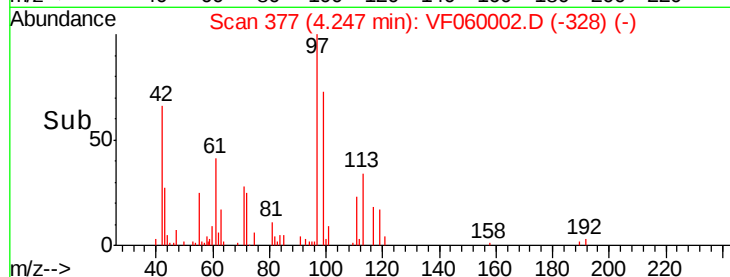
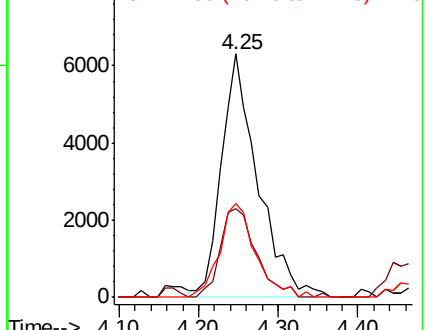
71 37.9 29.0 43.4



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: 22.68 ug/l

RT: 4.03 min Scan# 355

Delta R.T. -0.02 min

Lab File: VF060002.D

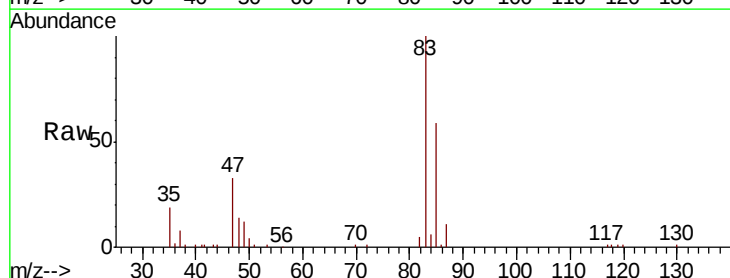
Acq: 20 Aug 2018 15:13

Tgt Ion: 83 Resp: 72194

Ion Ratio Lower Upper

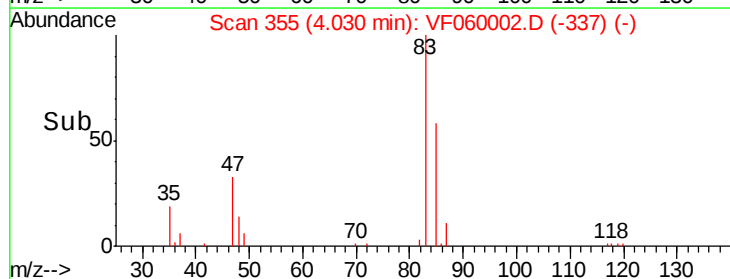
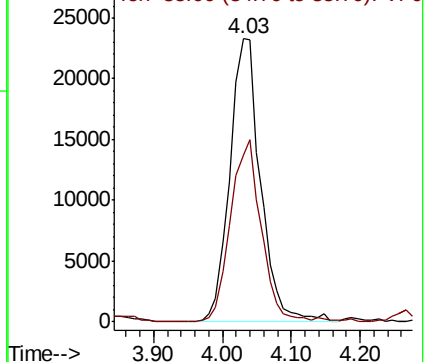
83 100

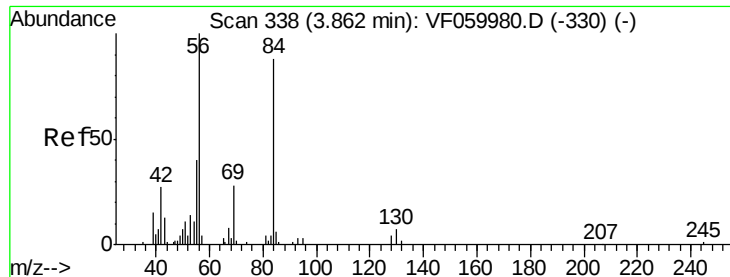
85 59.0 48.8 73.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

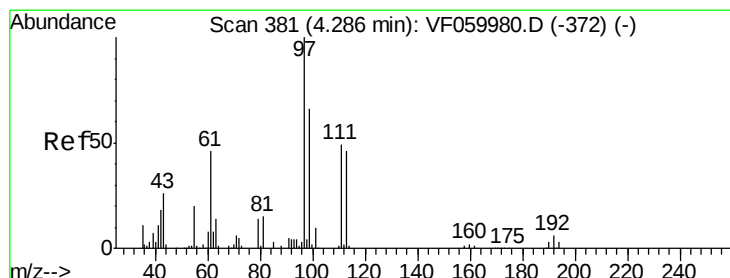
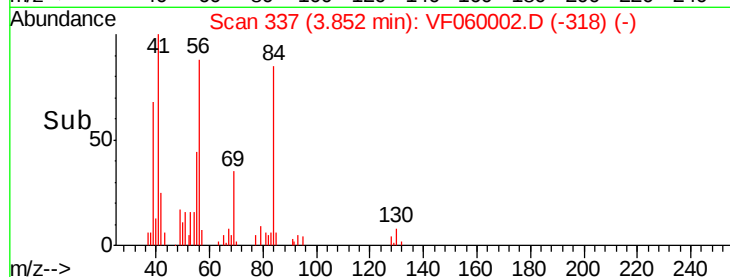
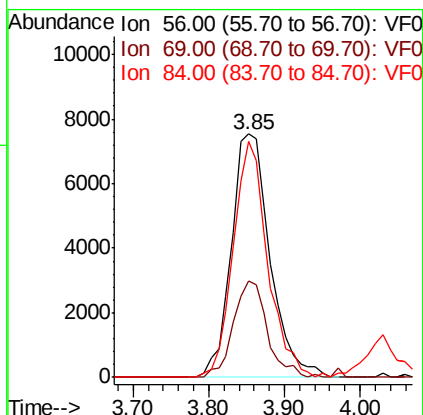
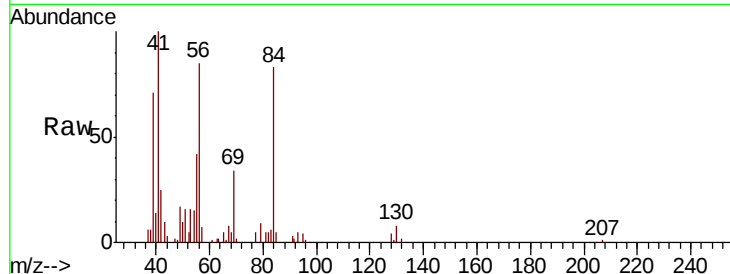




#31
Cyclohexane
Concen: 21.11 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

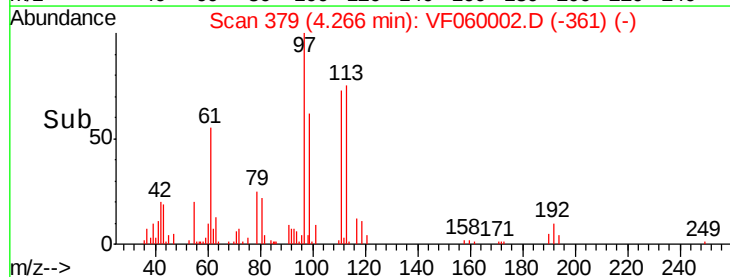
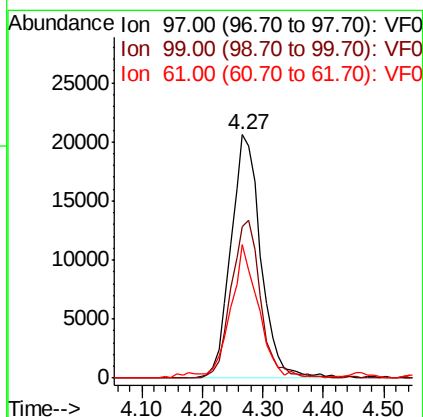
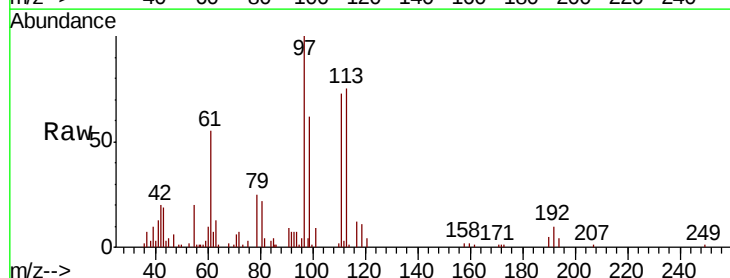
Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

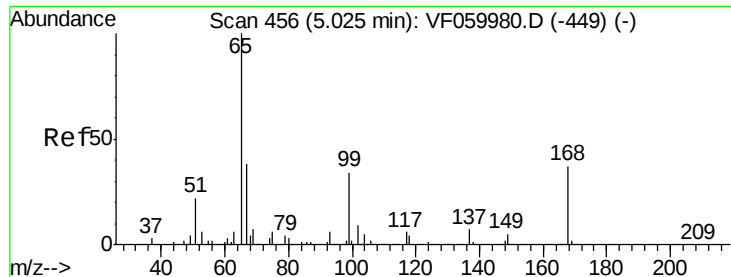
Tot Ion: 56 Resp: 26608
Ion Ratio Lower Upper
56 100
69 39.6 22.8 34.2#
84 96.9 70.7 106.1



#32
1,1,1-Trichloroethane
Concen: 22.78 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.02 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Tgt Ion: 97 Resp: 70762
Ion Ratio Lower Upper
97 100
99 62.1 53.1 79.7
61 54.7 38.2 57.2





#33

1,2-Dichloroethane-d4

Concen: 54.11 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

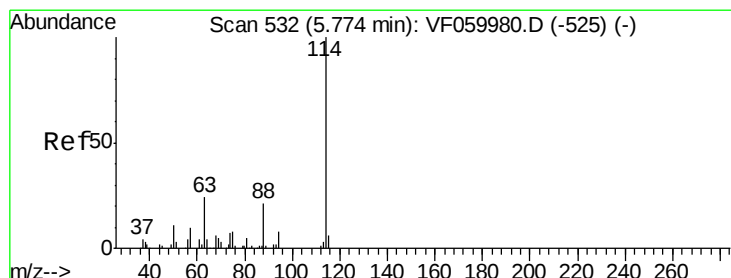
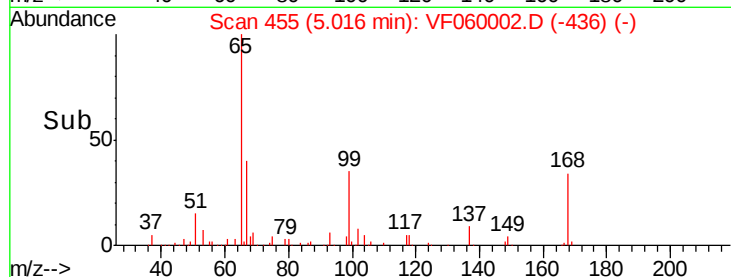
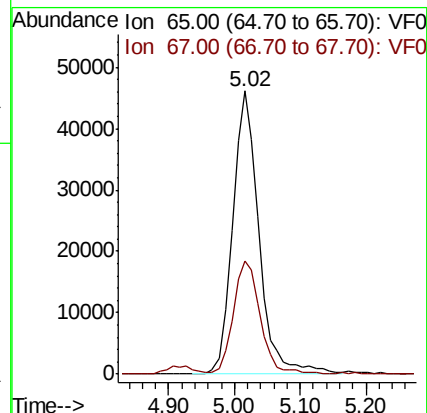
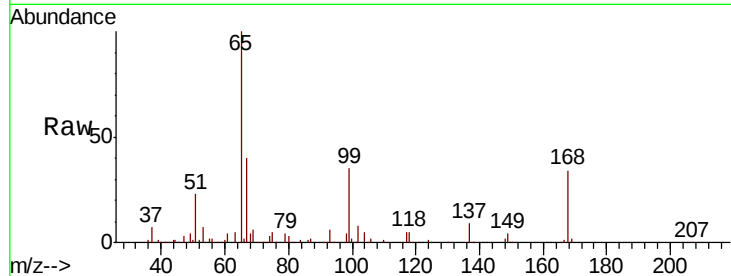
VF0820SBS01

Tot Ion: 65 Resp: 128533

Ion Ratio Lower Upper

65 100

67 39.8 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: VF060002.D

Acq: 20 Aug 2018 15:13

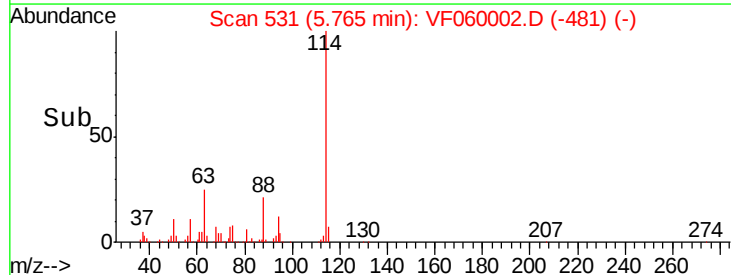
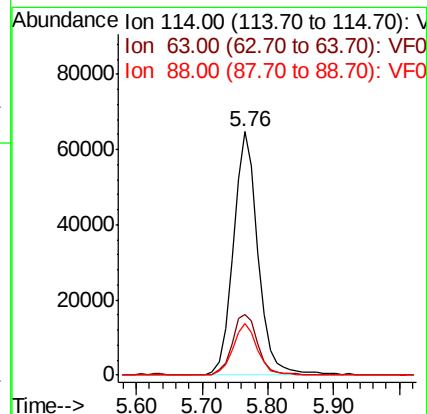
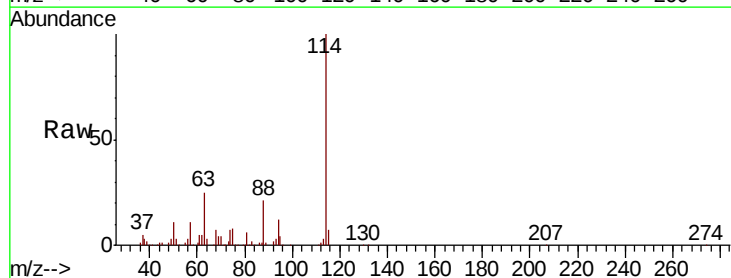
Tgt Ion: 114 Resp: 169888

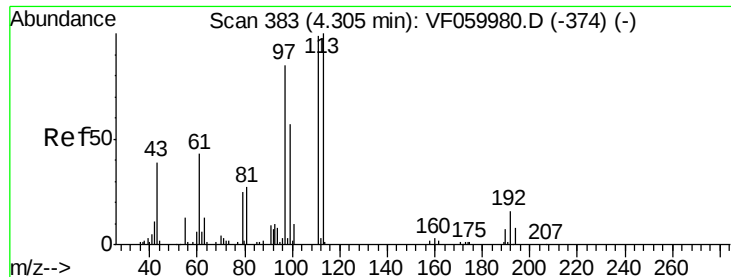
Ion Ratio Lower Upper

114 100

63 25.0 0.0 48.6

88 21.0 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: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

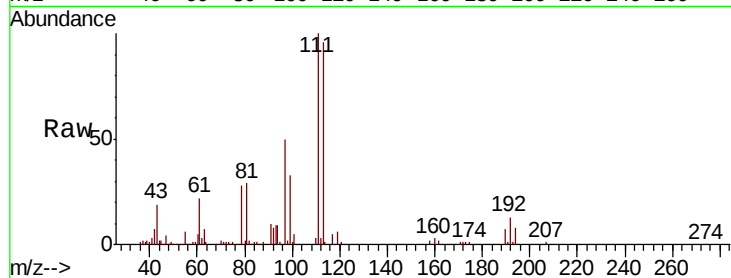
Tot Ion:113 Resp: 96173

Ion Ratio Lower Upper

113 100

111 104.4 79.5 119.3

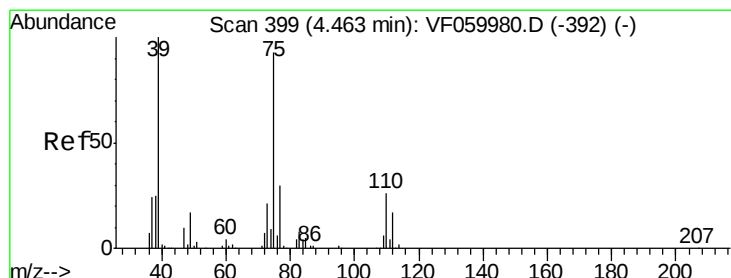
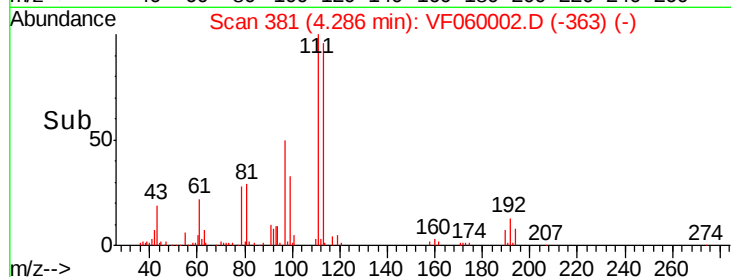
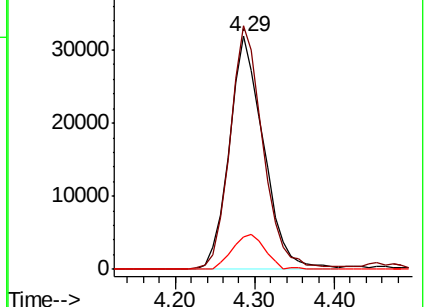
192 14.1 12.4 18.6



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: 22.93 ug/l

RT: 4.45 min Scan# 398

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

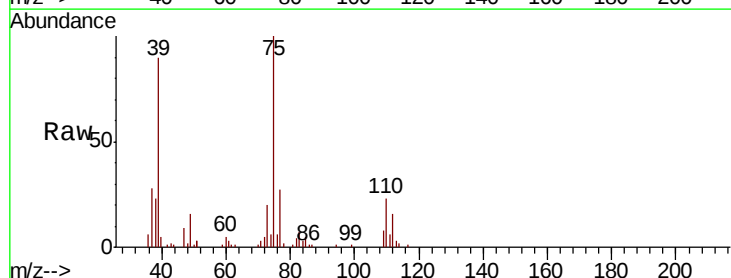
Tgt Ion: 75 Resp: 44360

Ion Ratio Lower Upper

75 100

110 22.6 13.8 41.4

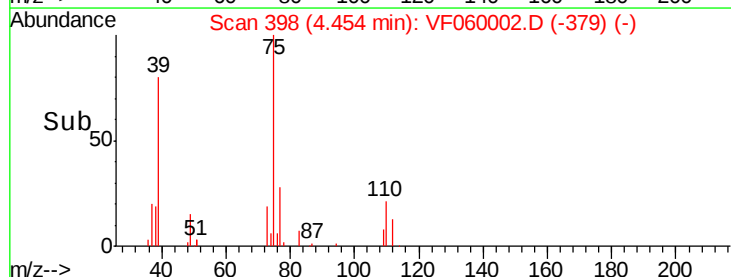
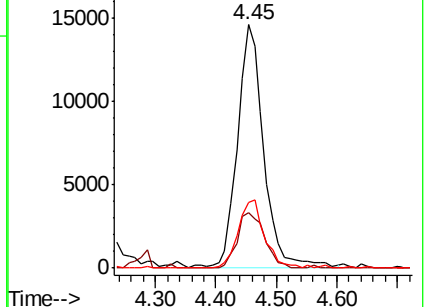
77 27.2 25.8 38.8

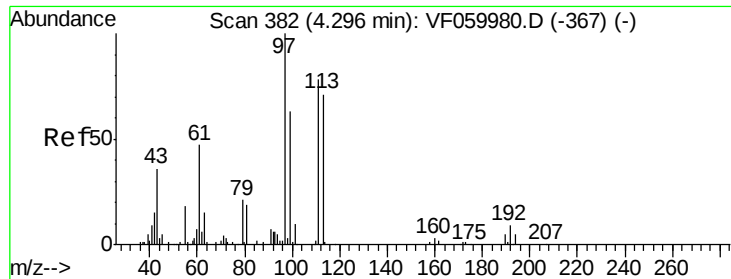


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 22.58 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

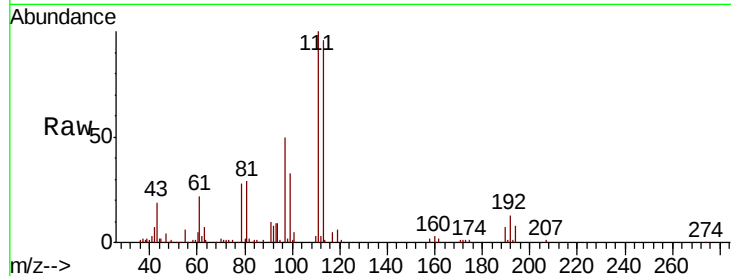
Tot Ion: 43 Resp: 24153

Ion Ratio Lower Upper

43 100

61 114.8 104.5 156.7

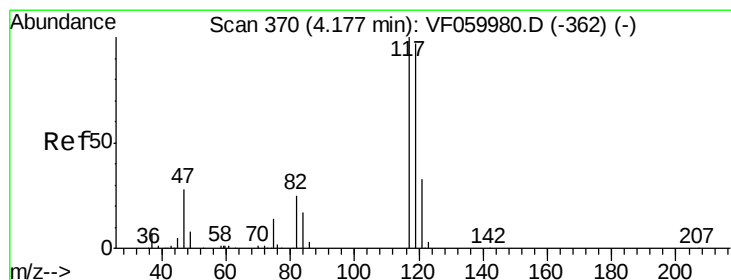
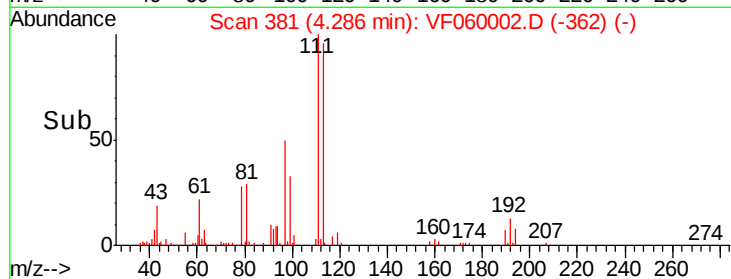
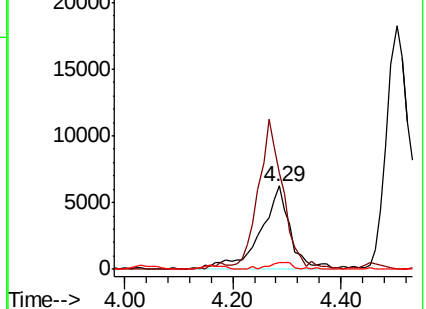
70 8.1 5.9 8.9



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: 22.92 ug/l

RT: 4.17 min Scan# 369

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

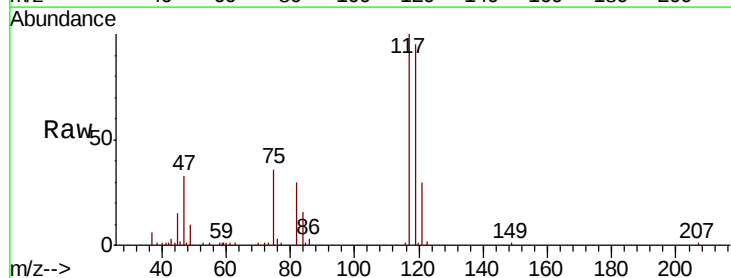
Tgt Ion: 117 Resp: 63606

Ion Ratio Lower Upper

117 100

119 94.6 77.8 116.6

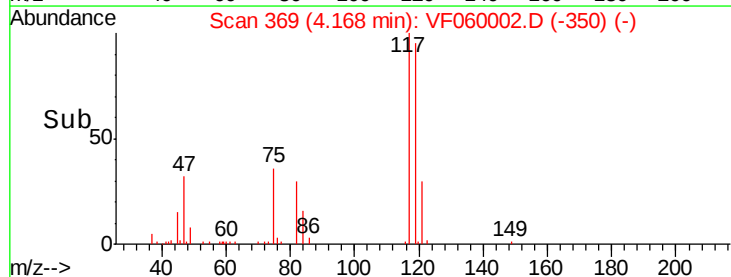
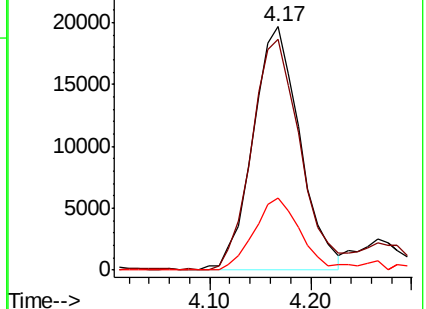
121 29.7 26.0 39.0

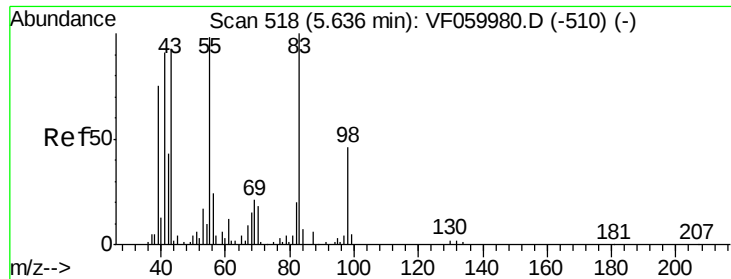


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

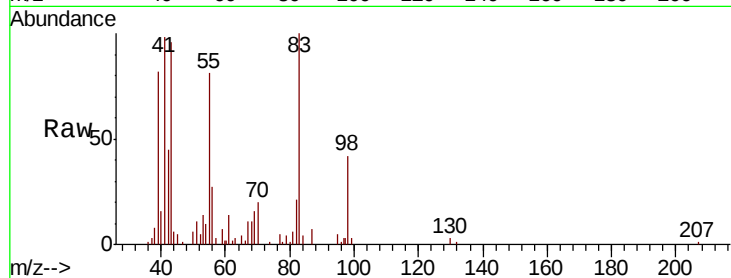




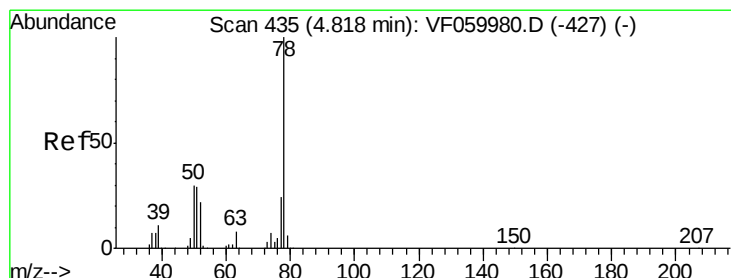
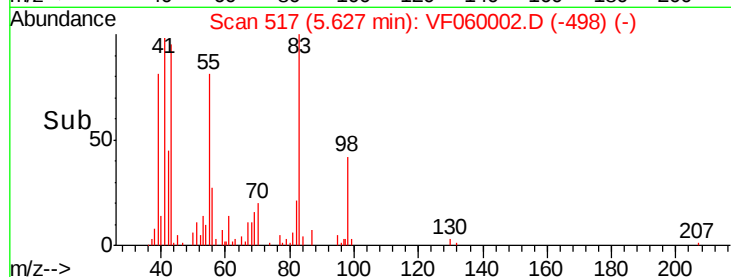
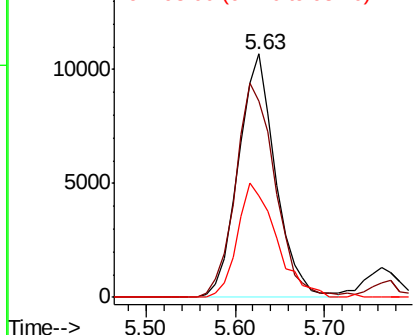
#39
Methylcyclohexane
Concen: 21.37 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion: 83 Resp: 31023
Ion Ratio Lower Upper
83 100
55 80.7 78.8 118.2
98 41.8 36.8 55.2

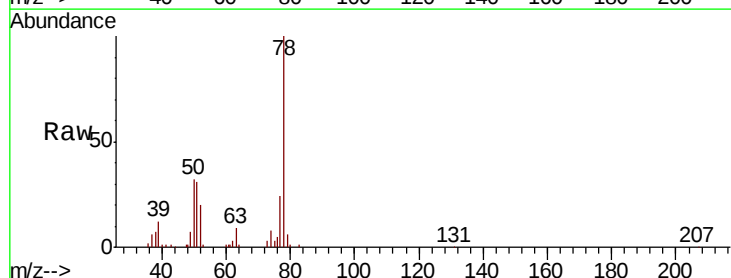


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

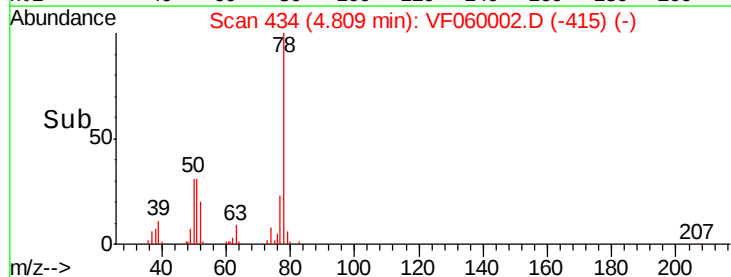
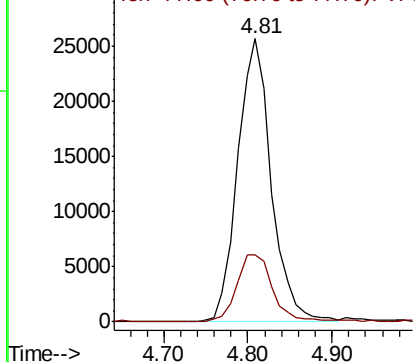


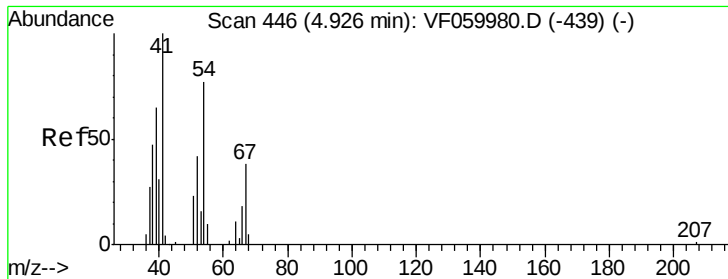
#40
Benzene
Concen: 21.82 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Tgt Ion: 78 Resp: 71456
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7



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

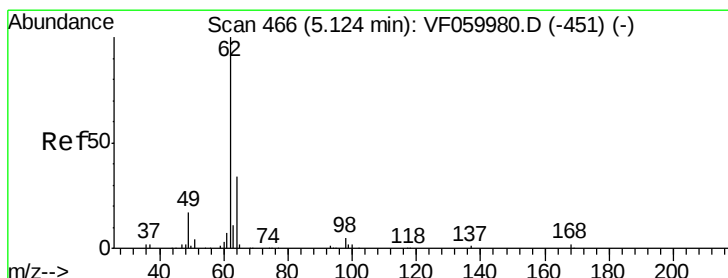
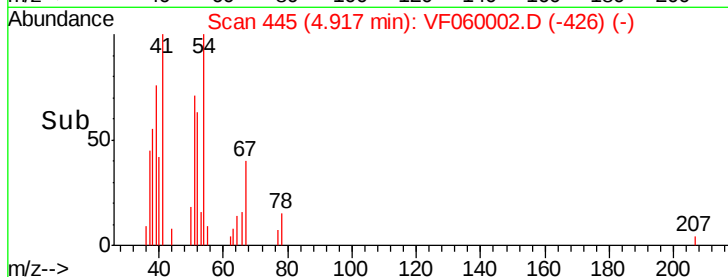
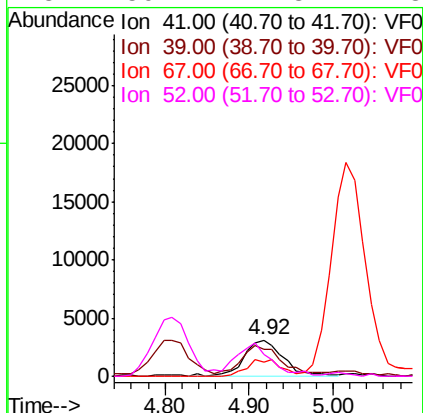
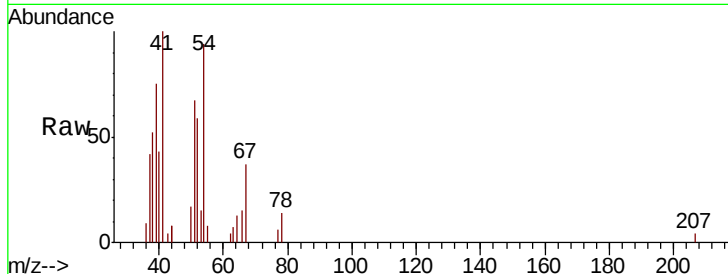




#41
Methacrylonitrile
Concen: 19.71 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

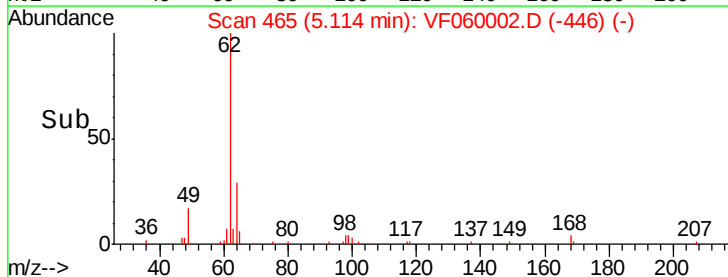
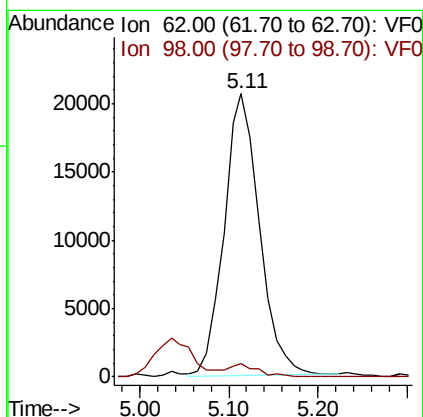
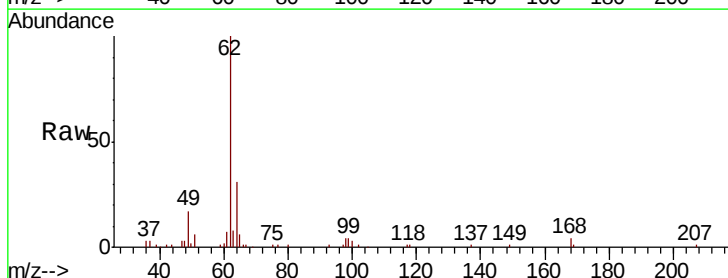
Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

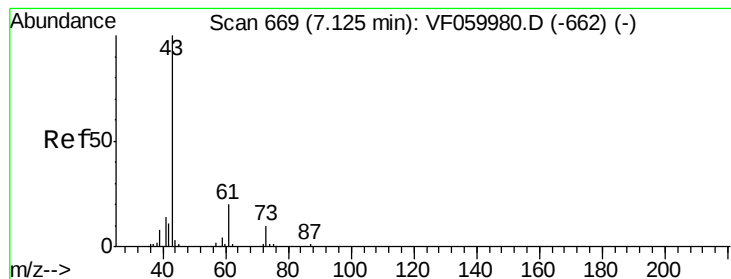
Tot Ion:	41	Resp:	10095
Ion	Ratio	Lower	Upper
41	100		
39	75.5	62.9	94.3
67	37.4	30.4	45.6
52	59.2	47.8	71.8



#42
1,2-Dichloroethane
Concen: 20.59 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Tgt Ion:	62	Resp:	57190
Ion	Ratio	Lower	Upper
62	100		
98	4.5	0.0	9.0



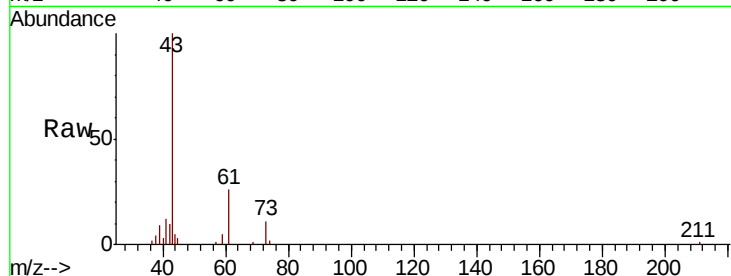


#43

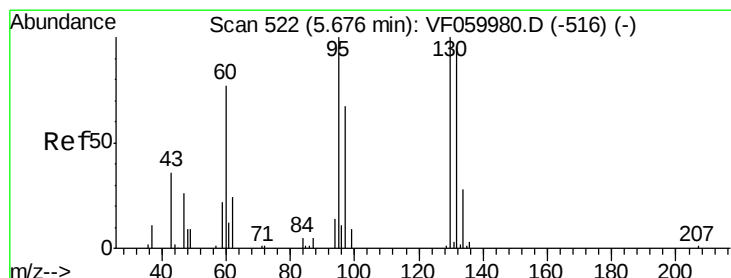
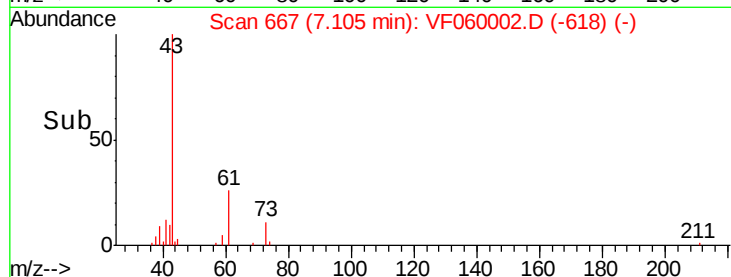
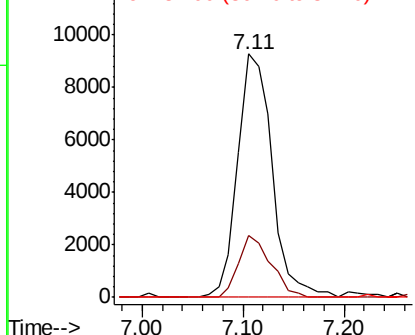
Isopropyl Acetate
 Concen: 18.84 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.02 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

Tot Ion: 43 Resp: 22175
 Ion Ratio Lower Upper
 43 100
 61 25.5 15.8 23.8#
 87 0.0 0.6 0.8#



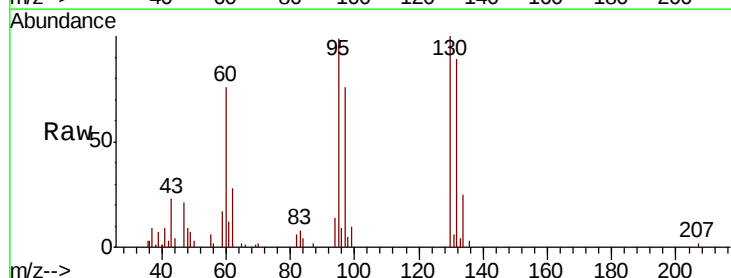
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



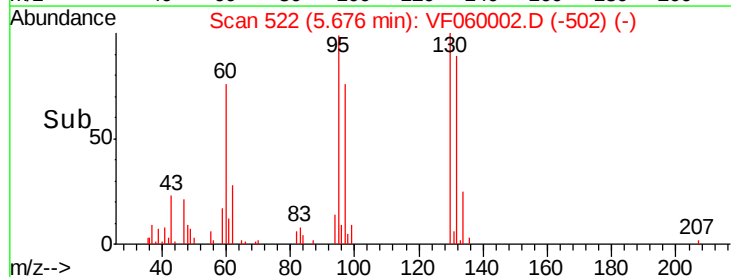
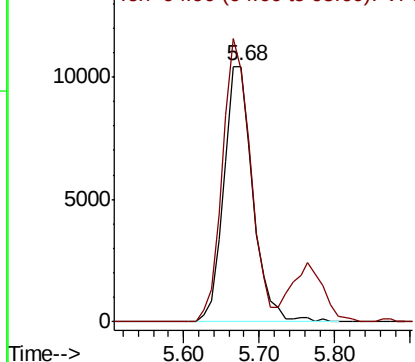
#44

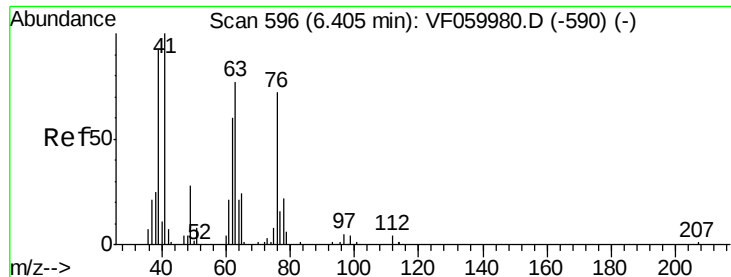
Trichloroethene
 Concen: 21.62 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Tgt Ion: 130 Resp: 27633
 Ion Ratio Lower Upper
 130 100
 95 98.7 0.0 201.8



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 20.56 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

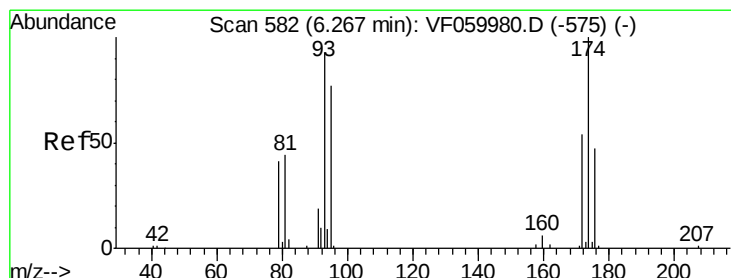
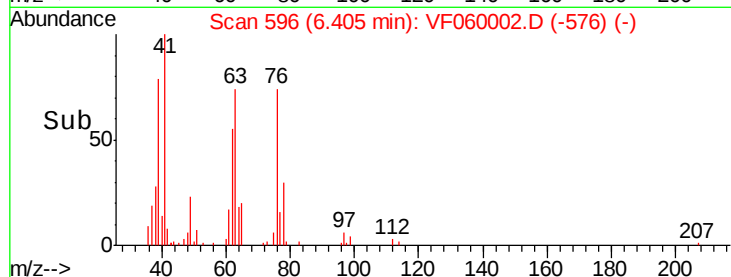
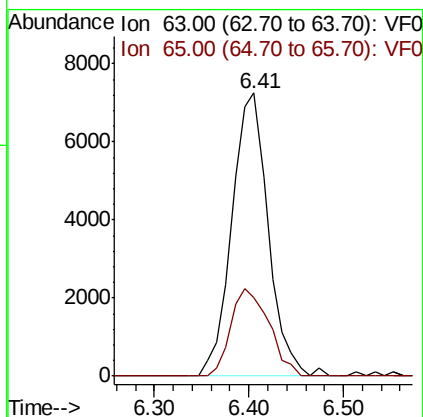
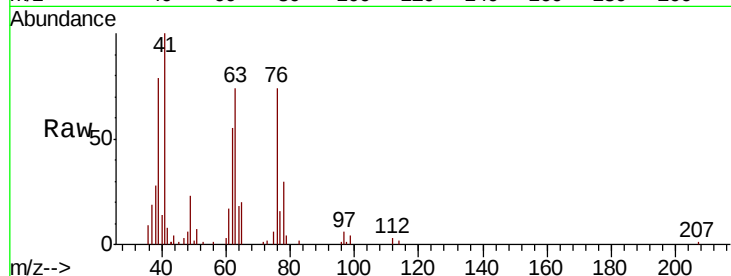
VF0820SBS01

Tot Ion: 63 Resp: 19265

Ion Ratio Lower Upper

63 100

65 27.7 25.0 37.6



#46

Dibromomethane

Concen: 21.65 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.02 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

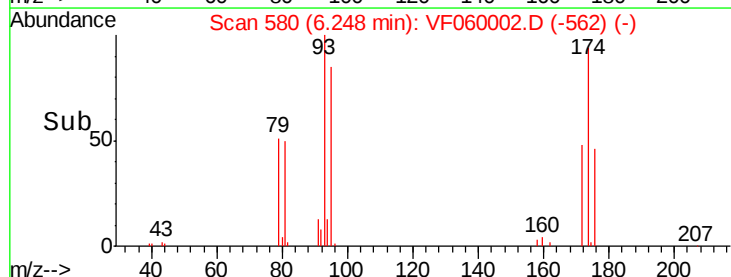
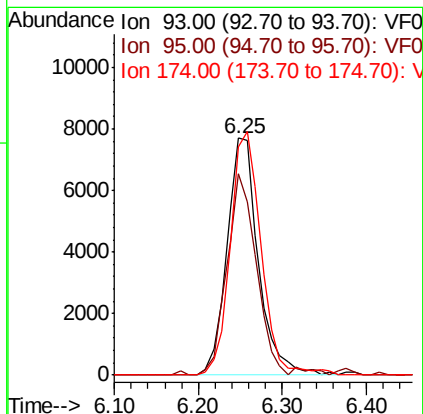
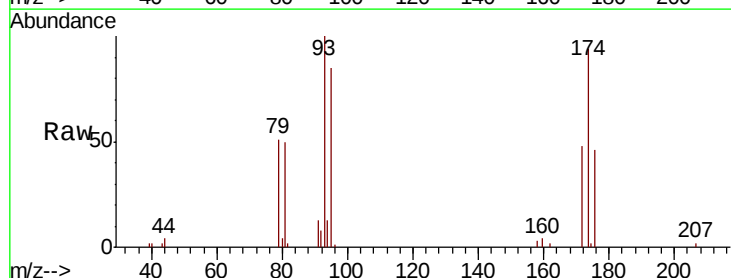
Tgt Ion: 93 Resp: 20007

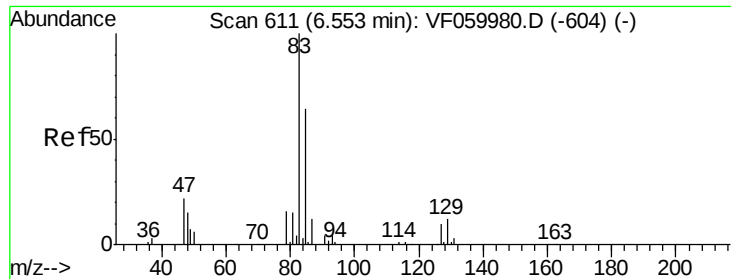
Ion Ratio Lower Upper

93 100

95 85.0 67.0 100.4

174 96.5 85.7 128.5





#47

Bromodichloromethane

Concen: 22.98 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

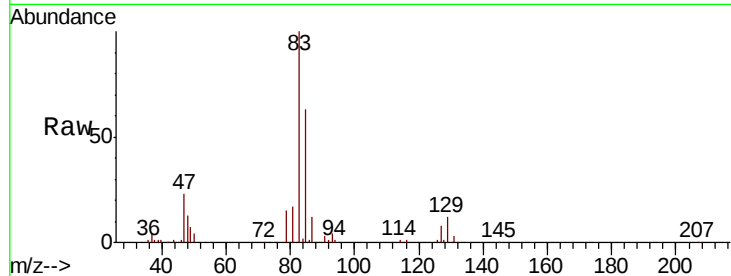
Tot Ion: 83 Resp: 57320

Ion Ratio Lower Upper

83 100

85 62.7 51.4 77.0

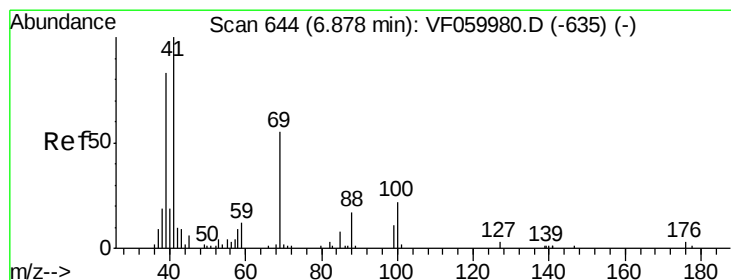
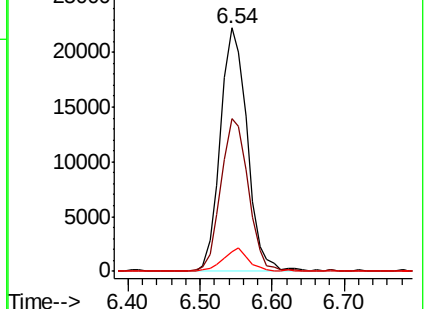
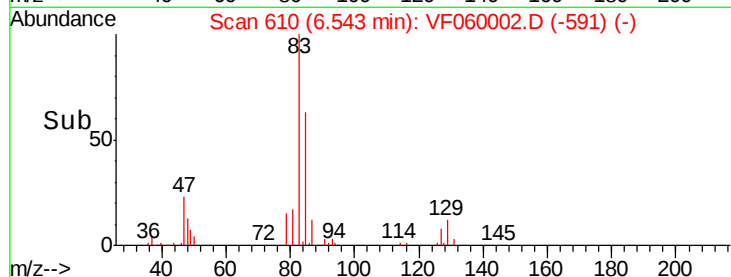
127 8.5 8.2 12.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 21.55 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

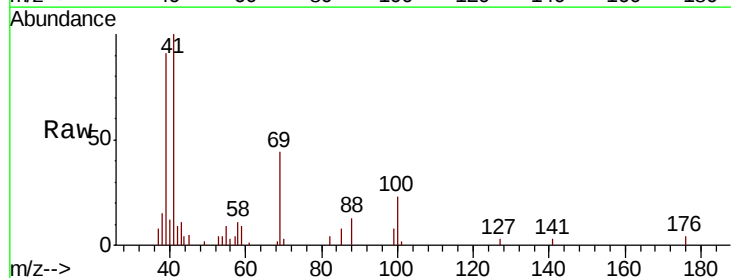
Tgt Ion: 41 Resp: 18880

Ion Ratio Lower Upper

41 100

69 44.3 44.4 66.6#

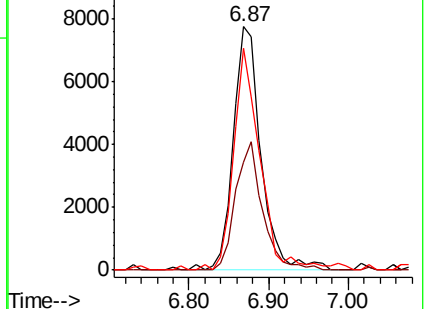
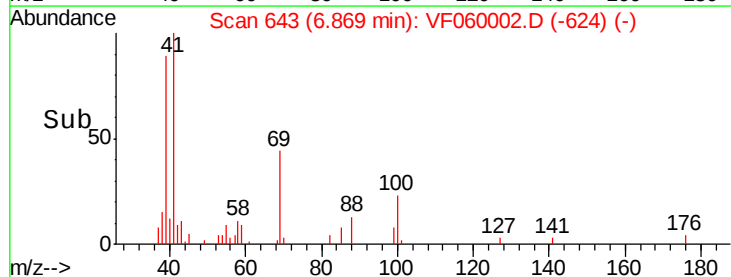
39 91.1 67.8 101.6

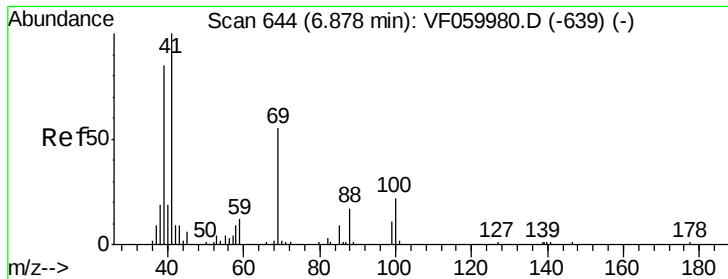


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 412.86 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.02 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

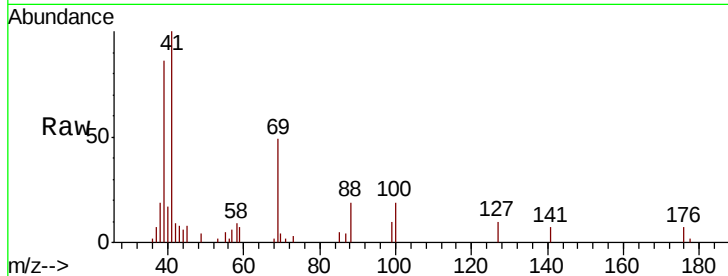
Tot Ion: 88 Resp: 2900

Ion Ratio Lower Upper

88 100

43 44.4 43.2 64.8

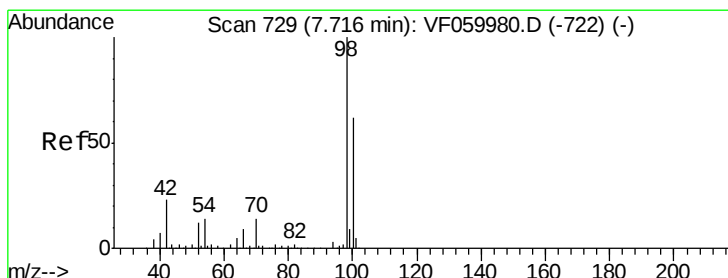
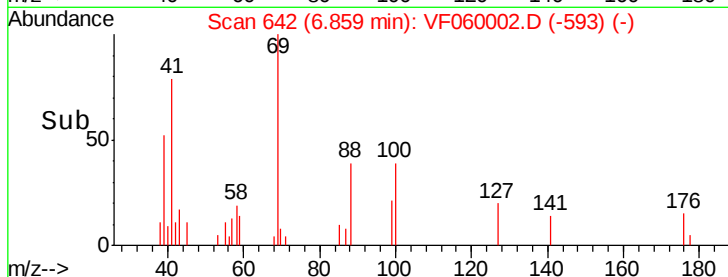
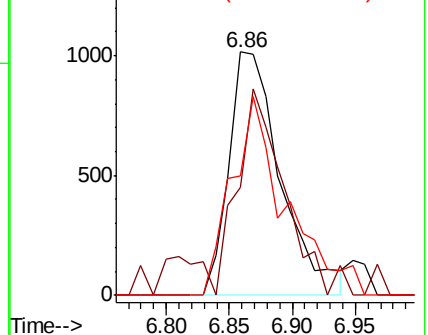
58 49.3 42.0 63.0



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: 54.28 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF060002.D

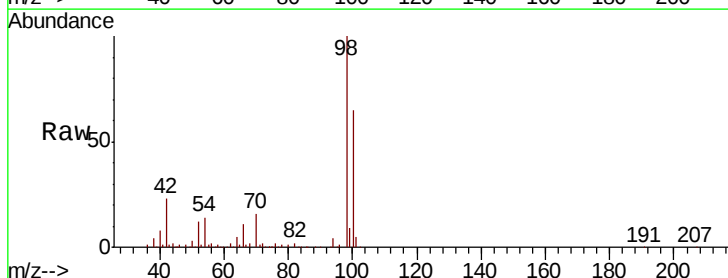
Acq: 20 Aug 2018 15:13

Tgt Ion: 98 Resp: 209585

Ion Ratio Lower Upper

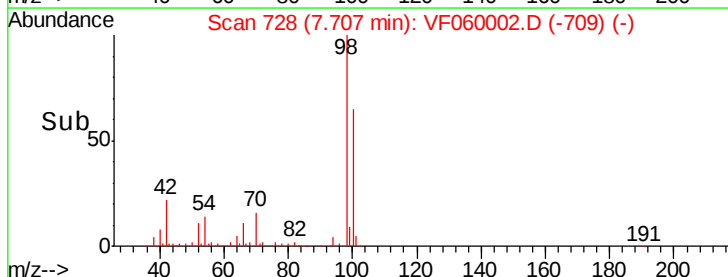
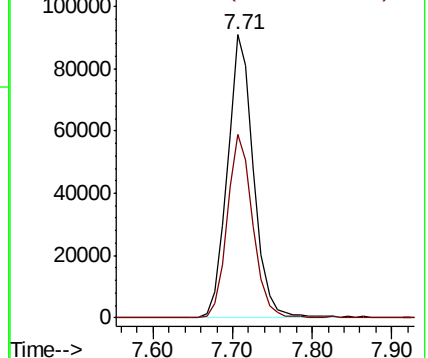
98 100

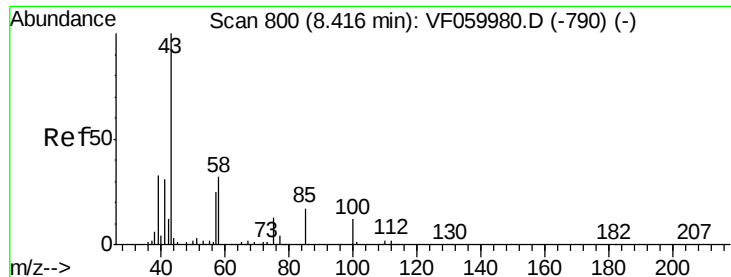
100 64.6 49.8 74.8



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: 106.19 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

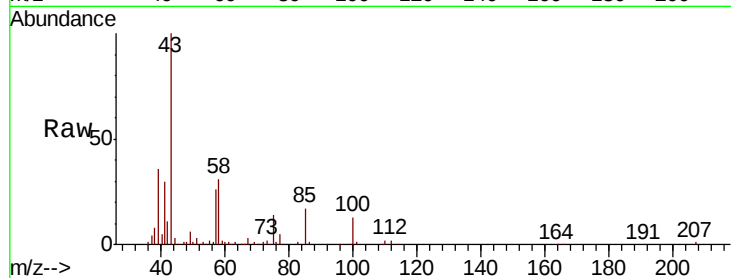
VF0820SBS01

Tot Ion: 43 Resp: 116769

Ion Ratio Lower Upper

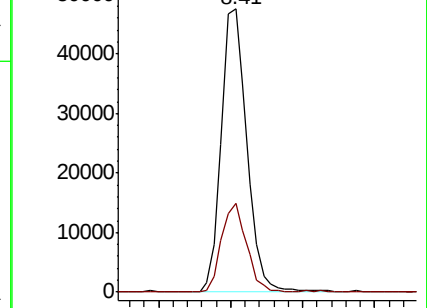
43 100

58 31.3 25.6 38.4

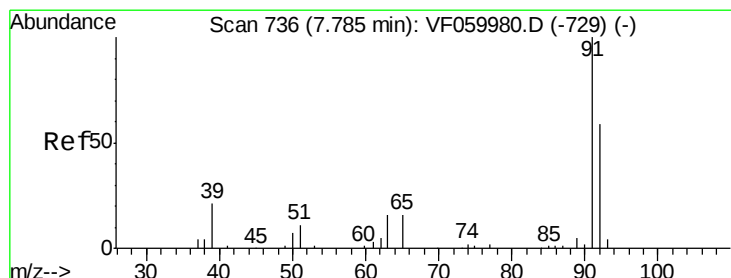
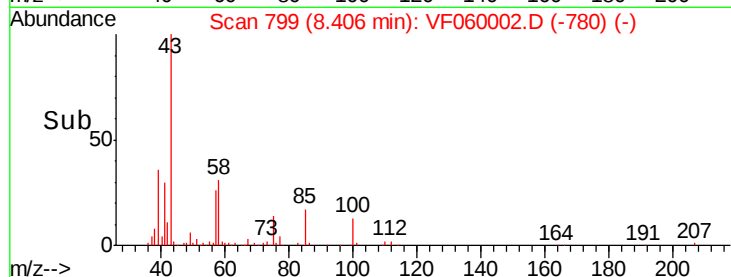


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#52

Toluene

Concen: 22.58 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060002.D

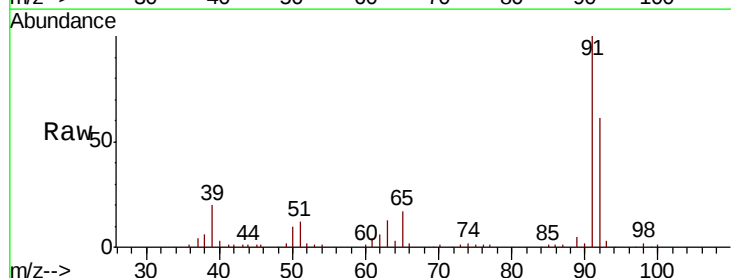
Acq: 20 Aug 2018 15:13

Tgt Ion: 92 Resp: 55359

Ion Ratio Lower Upper

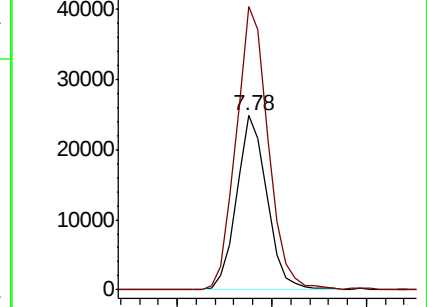
92 100

91 162.7 136.5 204.7

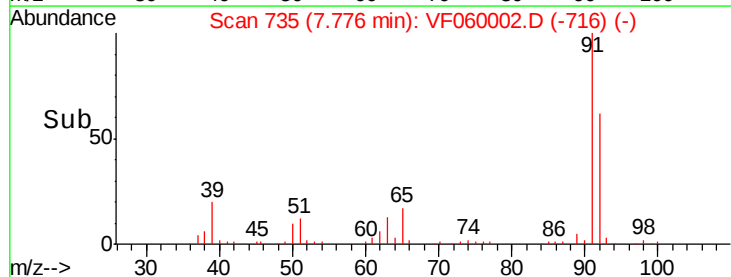


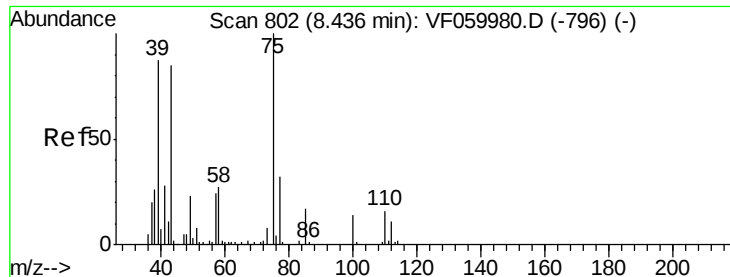
Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



Time-->





#53

t-1,3-Dichloropropene

Concen: 22.26 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

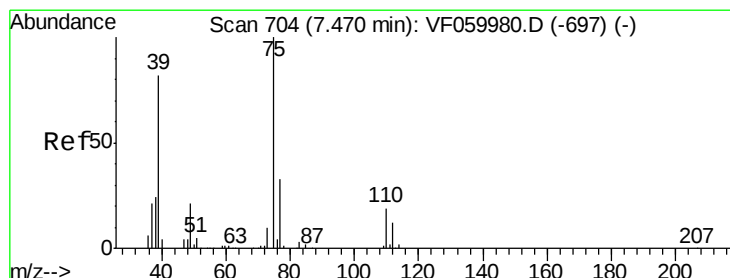
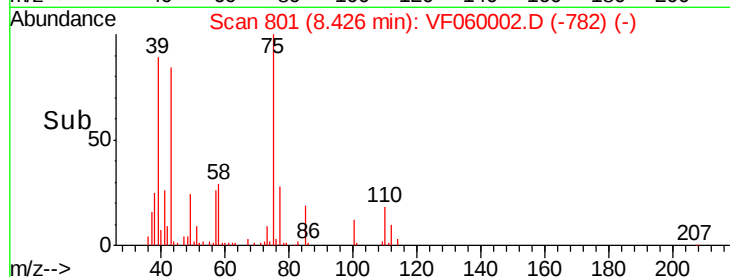
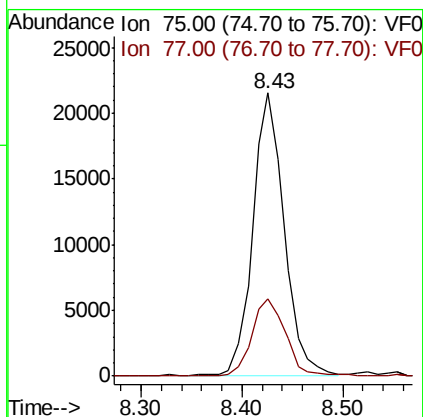
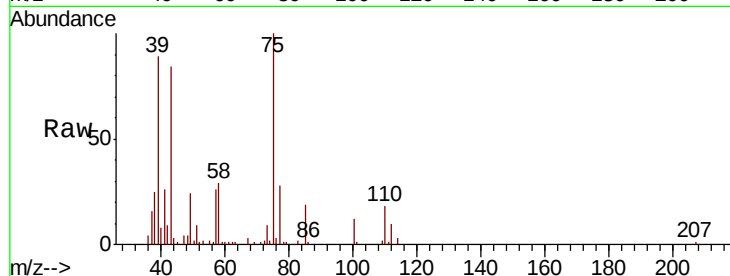
VF0820SBS01

Tot Ion: 75 Resp: 46832

Ion Ratio Lower Upper

75 100

77 27.5 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 22.50 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

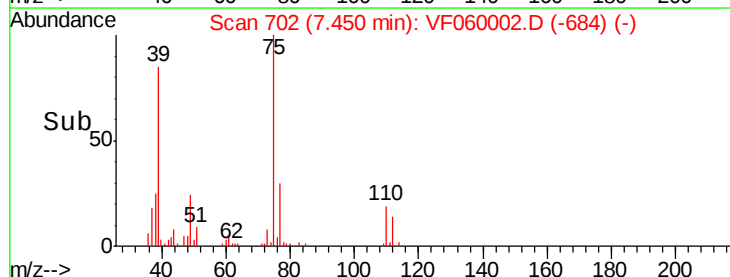
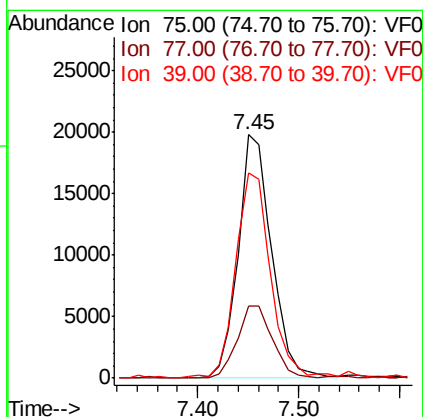
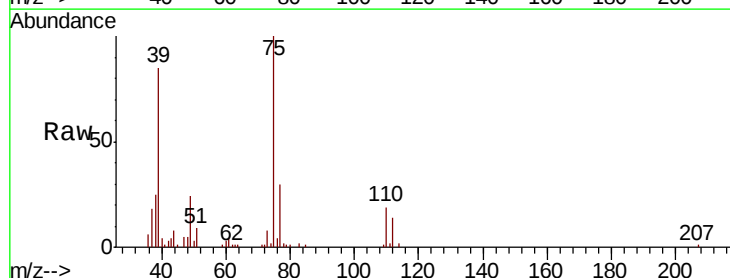
Tgt Ion: 75 Resp: 45713

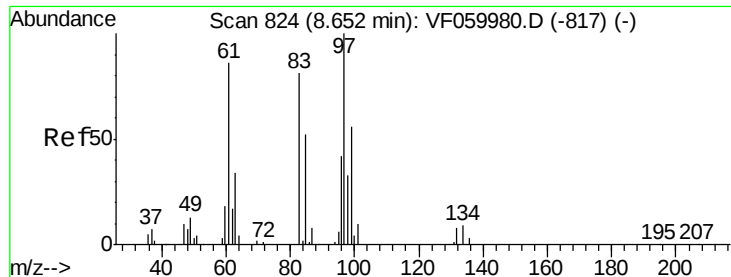
Ion Ratio Lower Upper

75 100

77 29.7 26.0 39.0

39 84.5 65.3 97.9

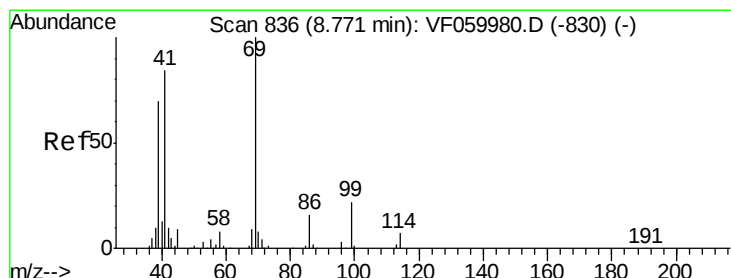
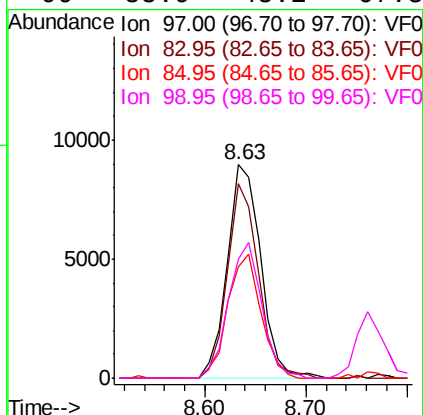
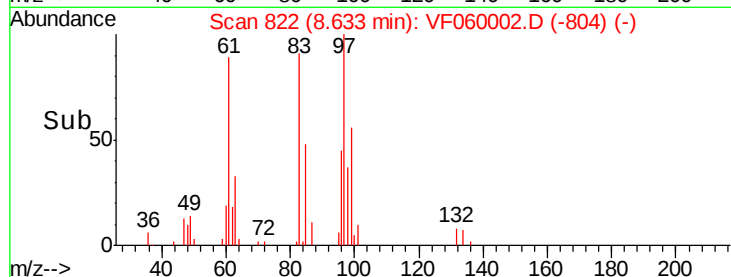
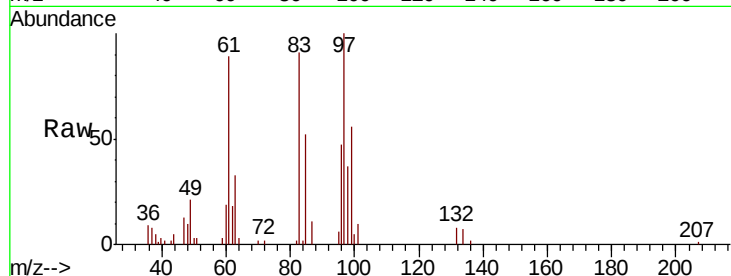




#55
 1,1,2-Trichloroethane
 Concen: 21.02 ug/l
 RT: 8.63 min Scan# 822
 Delta R.T. -0.02 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

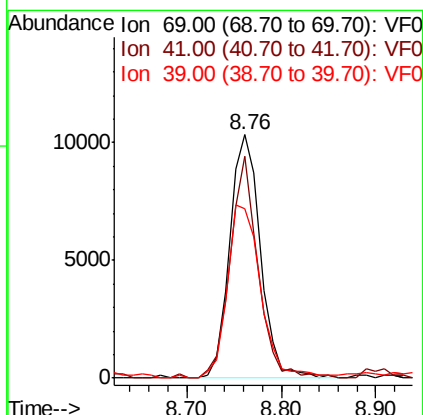
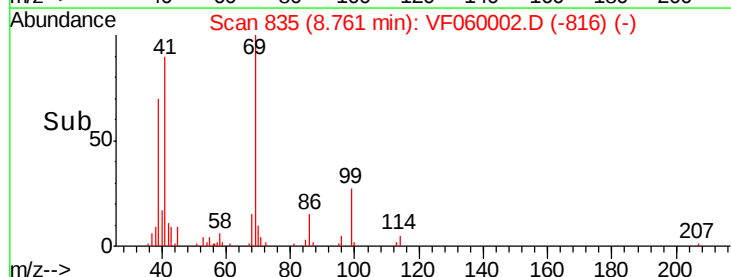
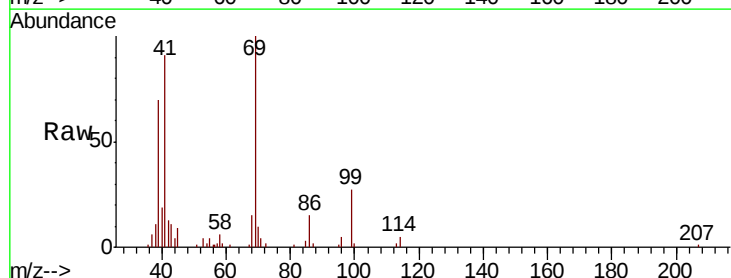
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

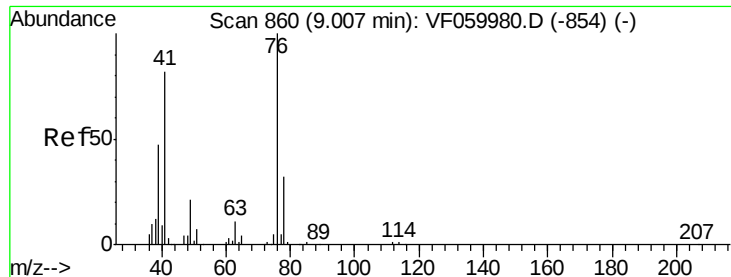
Tot Ion:	97	Resp:	20670
Ion	Ratio	Lower	Upper
97	100		
83	90.9	64.9	97.3
85	52.3	41.8	62.6
99	55.9	45.2	67.8



#56
 Ethyl methacrylate
 Concen: 20.33 ug/l
 RT: 8.76 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Tgt Ion:	69	Resp:	23160
Ion	Ratio	Lower	Upper
69	100		
41	91.0	67.8	101.6
39	69.8	55.8	83.6





#57

1,3-Dichloropropane

Concen: 21.57 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

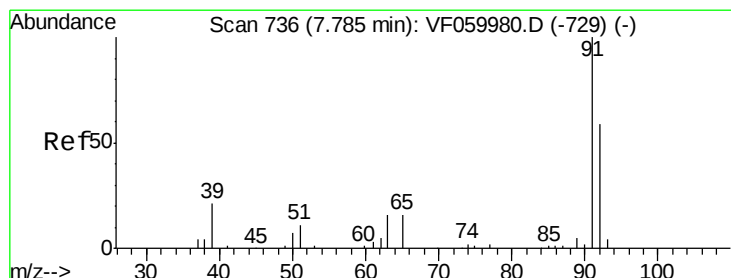
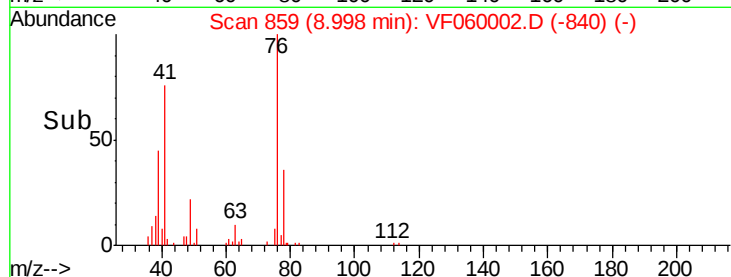
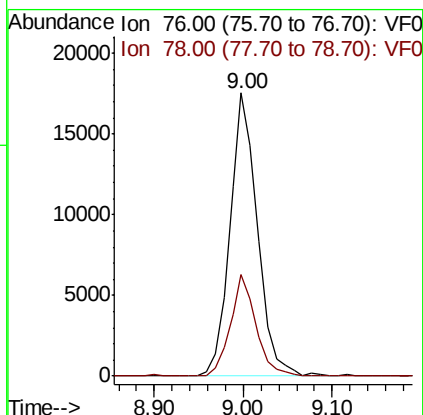
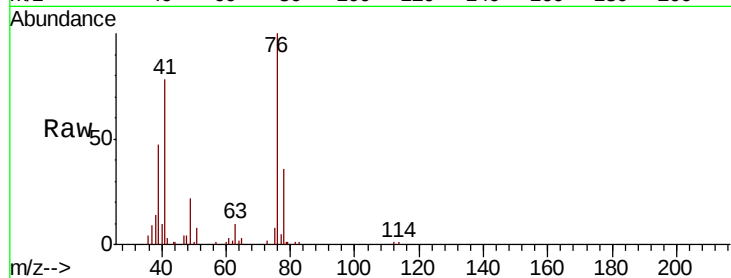
VF0820SBS01

Tot Ion: 76 Resp: 37812

Ion Ratio Lower Upper

76 100

78 35.8 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 141.23 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060002.D

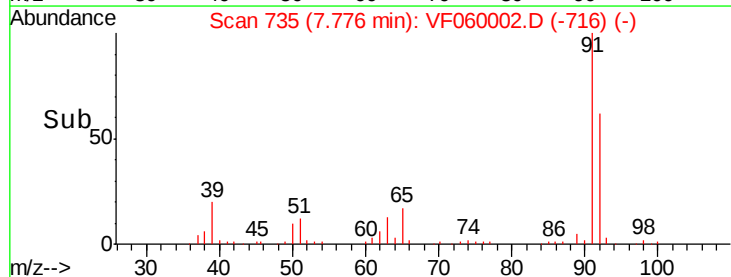
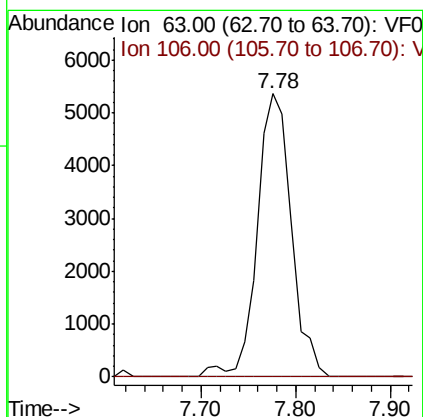
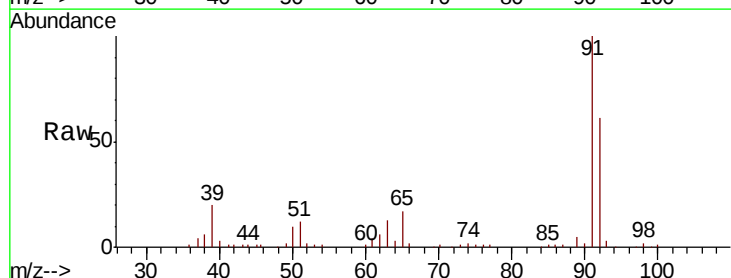
Acq: 20 Aug 2018 15:13

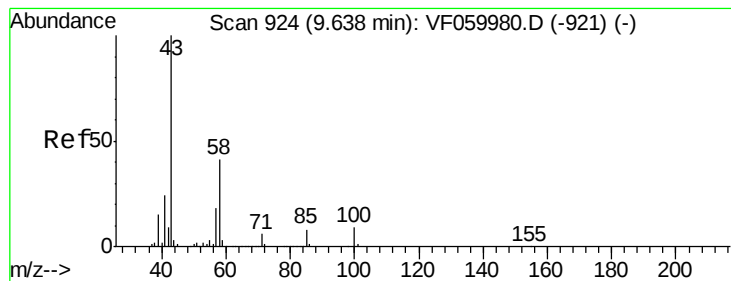
Tgt Ion: 63 Resp: 13495

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 112.47 ug/l

RT: 9.63 min Scan# 923

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

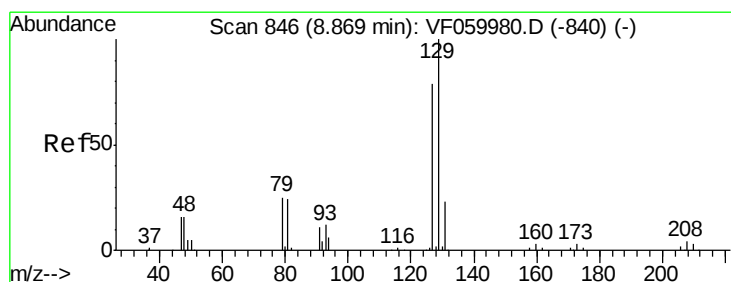
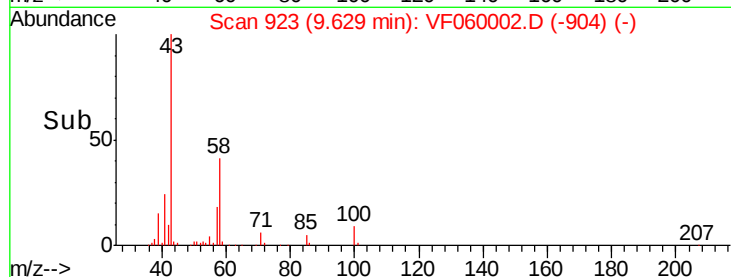
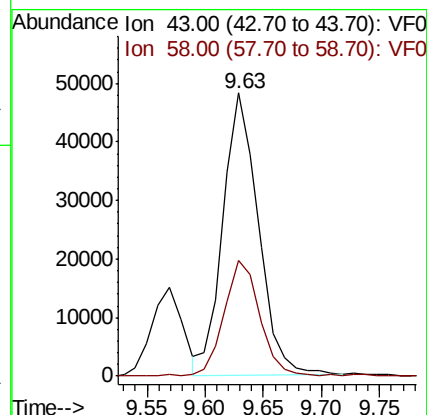
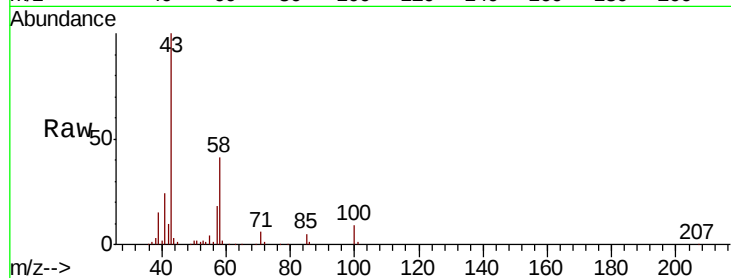
VF0820SBS01

Tot Ion: 43 Resp: 102116

Ion Ratio Lower Upper

43 100

58 40.7 20.1 60.3



#60

Dibromochloromethane

Concen: 21.73 ug/l

RT: 8.86 min Scan# 845

Delta R.T. -0.01 min

Lab File: VF060002.D

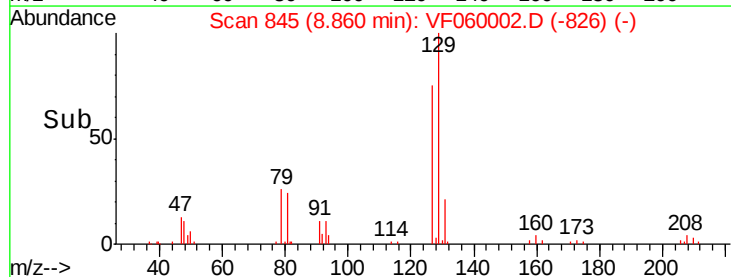
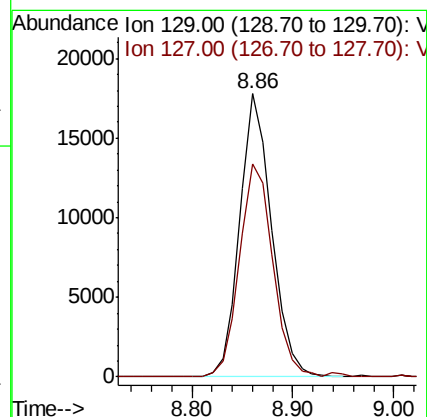
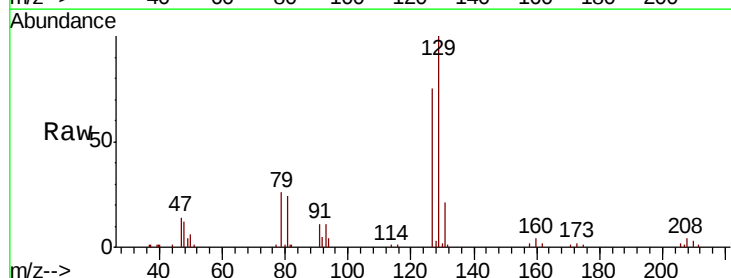
Acq: 20 Aug 2018 15:13

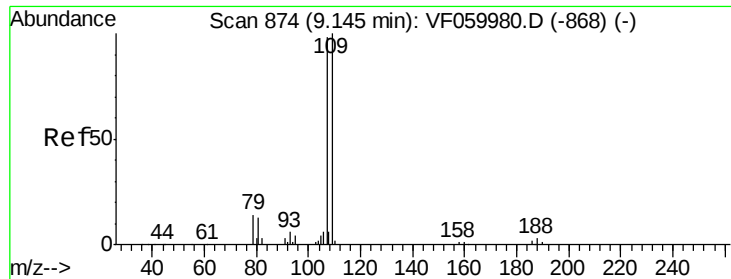
Tgt Ion: 129 Resp: 39056

Ion Ratio Lower Upper

129 100

127 75.2 39.5 118.5





#61

1,2-Dibromoethane

Concen: 21.27 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

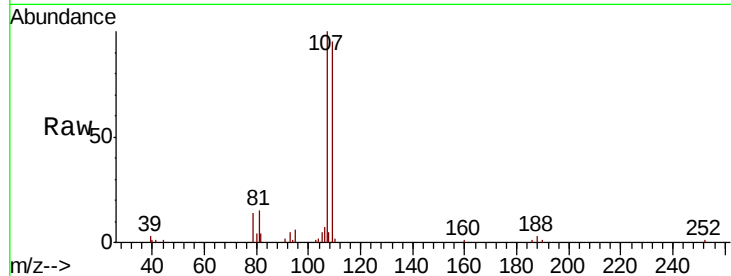
VF0820SBS01

Tot Ion:107 Resp: 26094

Ion Ratio Lower Upper

107 100

109 94.6 81.7 122.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.14

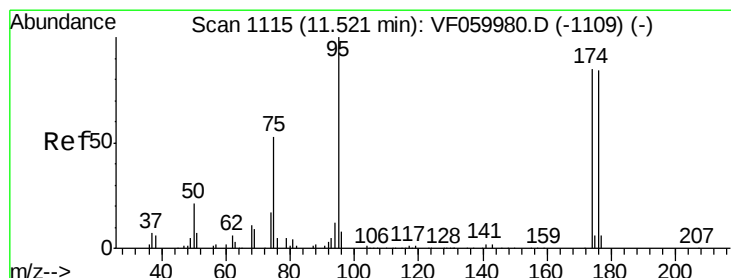
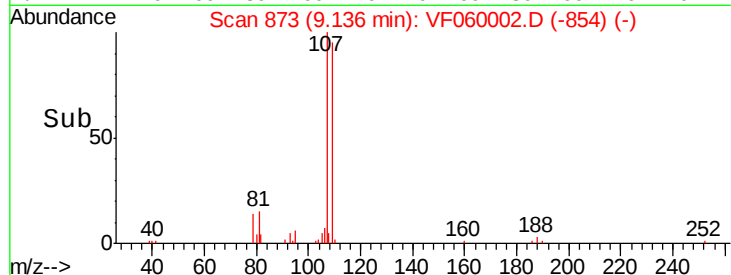
10000

5000

0

Time-->

9.00 9.10 9.20 9.30



#62

4-Bromofluorobenzene

Concen: 55.41 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

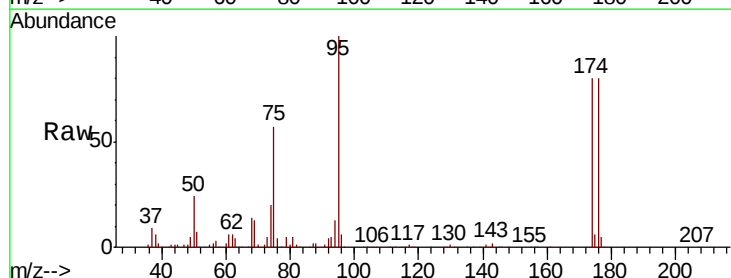
Tgt Ion: 95 Resp: 131300

Ion Ratio Lower Upper

95 100

174 79.8 0.0 169.8

176 80.3 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

100000

80000

60000

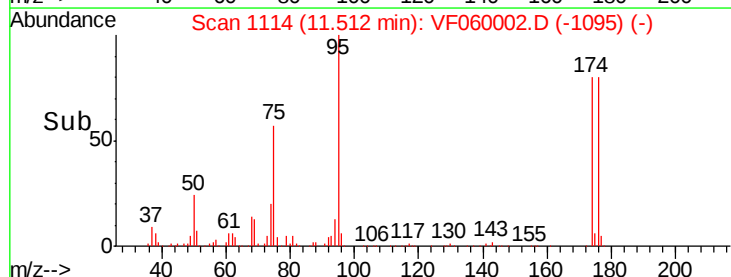
40000

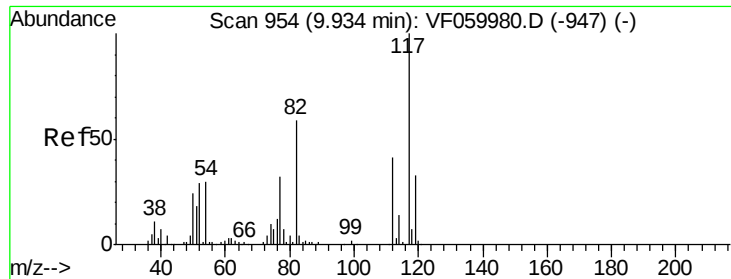
20000

0

Time-->

11.40 11.50 11.60 11.70

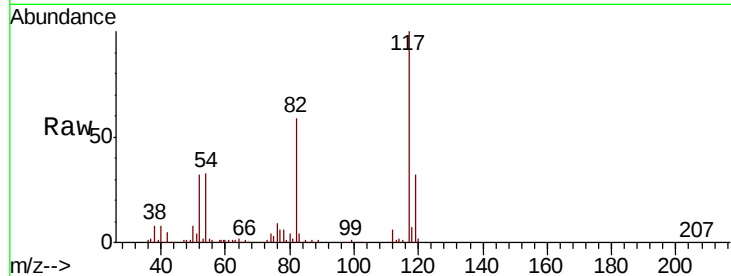




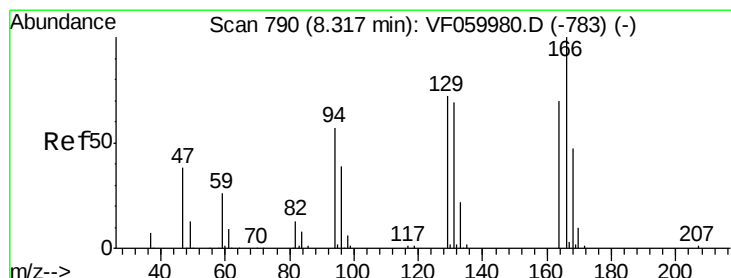
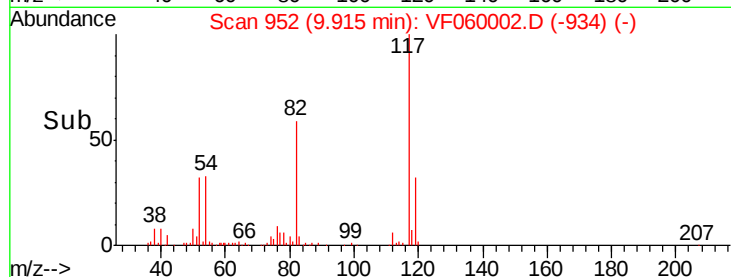
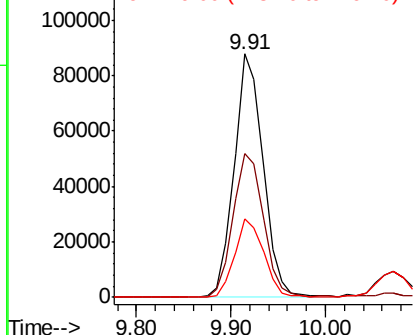
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion:117 Resp: 186844
Ion Ratio Lower Upper
117 100
82 58.9 47.2 70.8
119 32.5 26.1 39.1

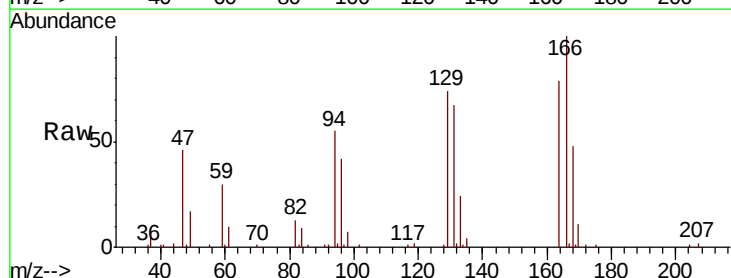


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

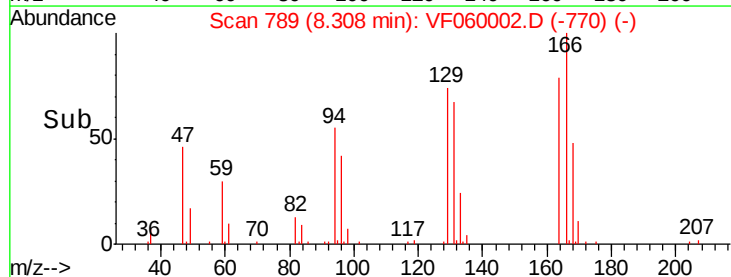
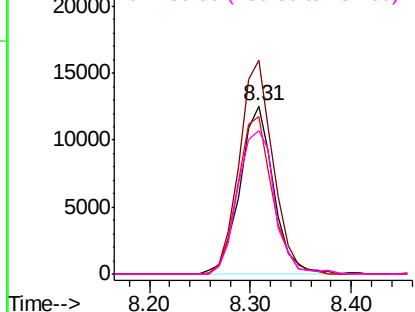


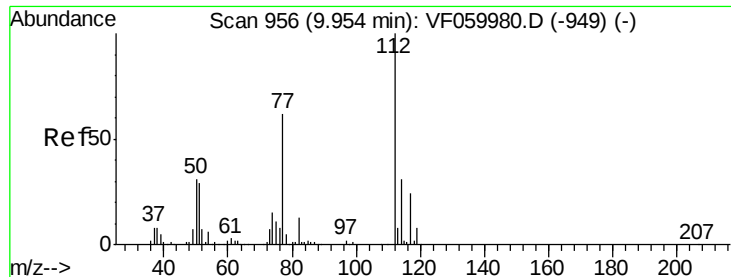
#64
Tetrachloroethene
Concen: 20.38 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Tgt Ion:164 Resp: 29009
Ion Ratio Lower Upper
164 100
166 127.0 114.5 171.7
129 93.8 82.3 123.5
131 85.3 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

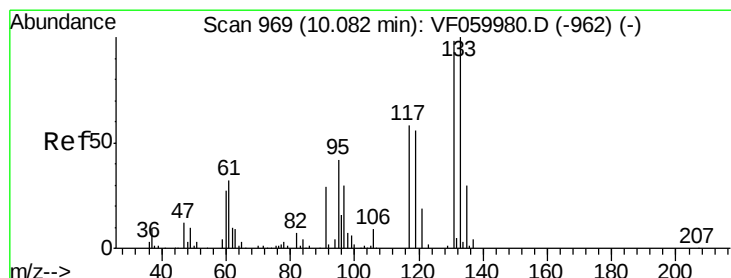
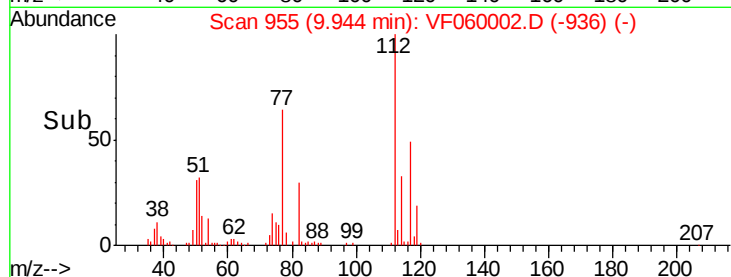
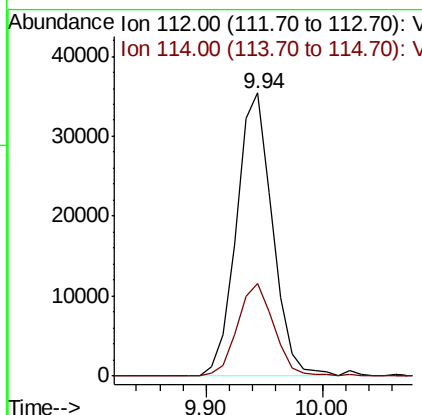
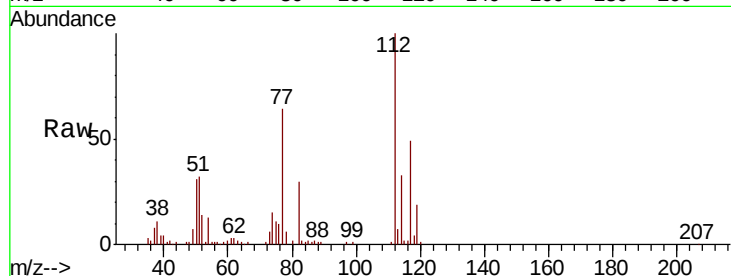




#65
Chlorobenzene
Concen: 20.56 ug/l
RT: 9.94 min Scan# 955
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

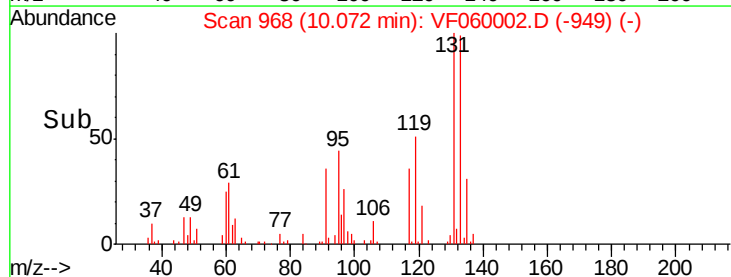
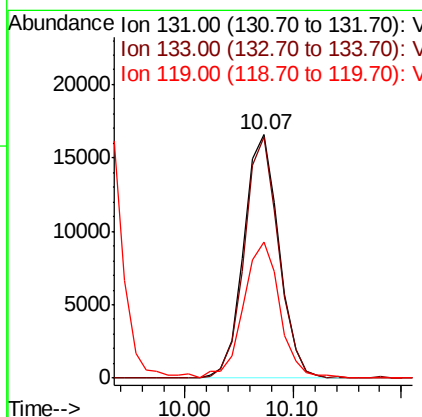
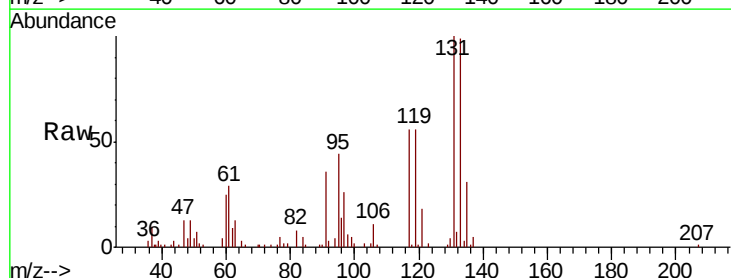
Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

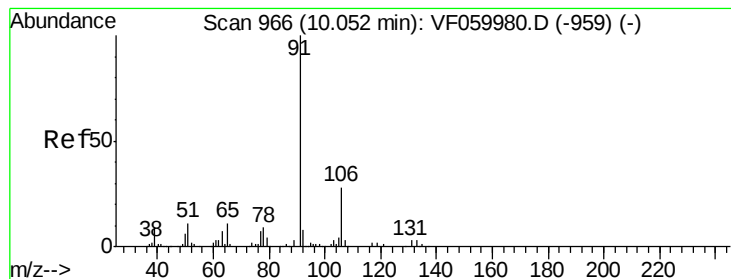
Tot Ion:112 Resp: 75831
Ion Ratio Lower Upper
112 100
114 32.8 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 22.09 ug/l
RT: 10.07 min Scan# 968
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Tgt Ion:131 Resp: 37475
Ion Ratio Lower Upper
131 100
133 99.2 51.1 153.3
119 55.9 29.0 87.1





#67

Ethyl Benzene

Concen: 25.93 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

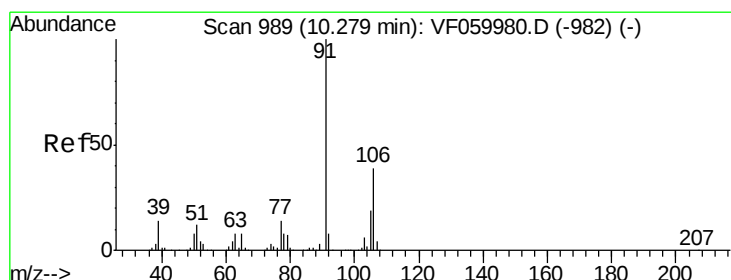
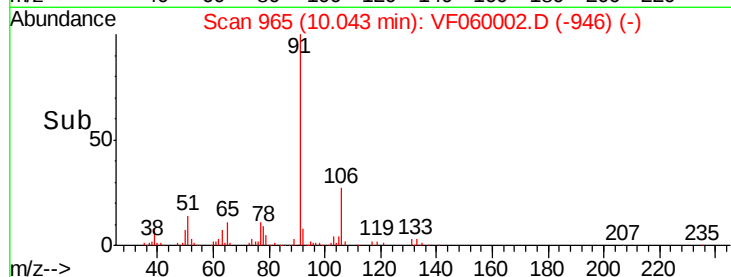
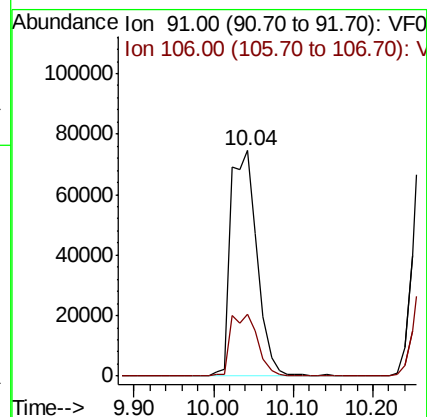
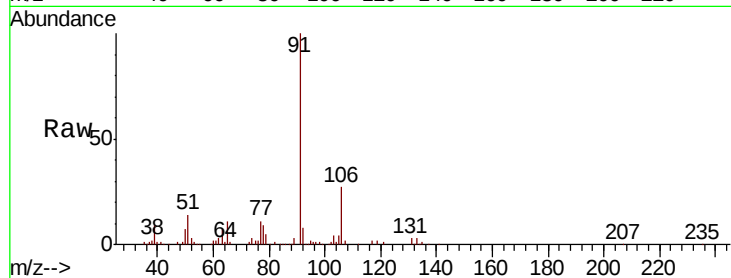
VF0820SBS01

Tot Ion: 91 Resp: 173618

Ion Ratio Lower Upper

91 100

106 27.5 22.0 33.0



#68

m/p-Xylenes

Concen: 42.97 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.01 min

Lab File: VF060002.D

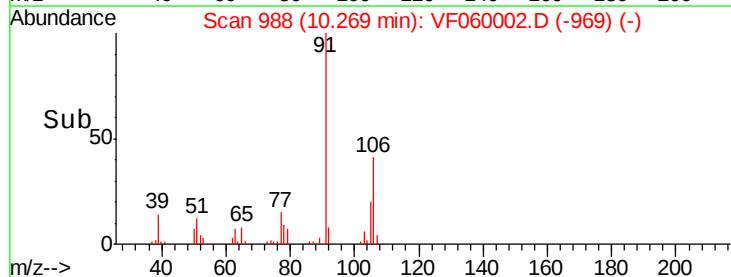
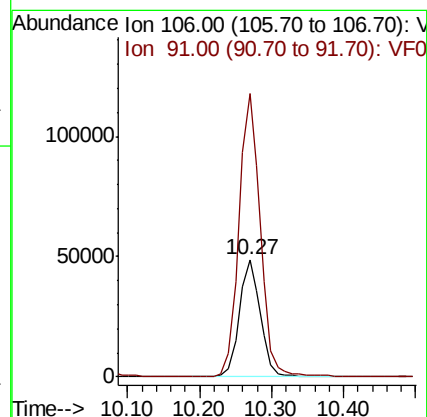
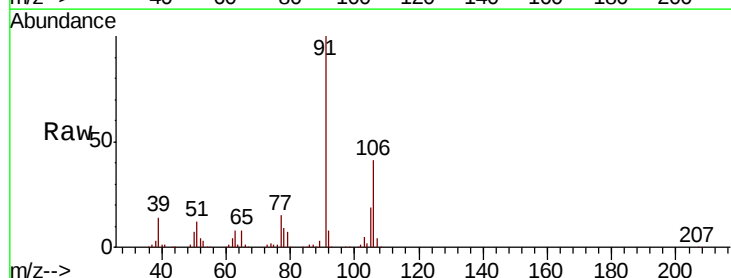
Acq: 20 Aug 2018 15:13

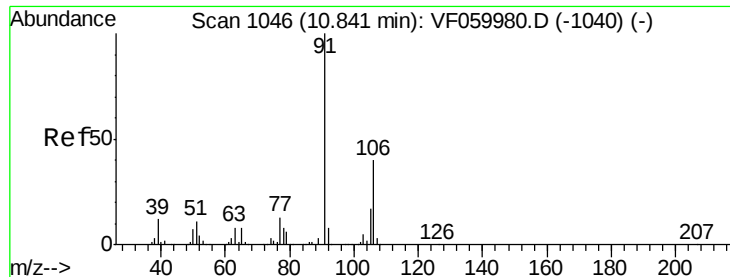
Tgt Ion:106 Resp: 99690

Ion Ratio Lower Upper

106 100

91 241.6 203.5 305.3

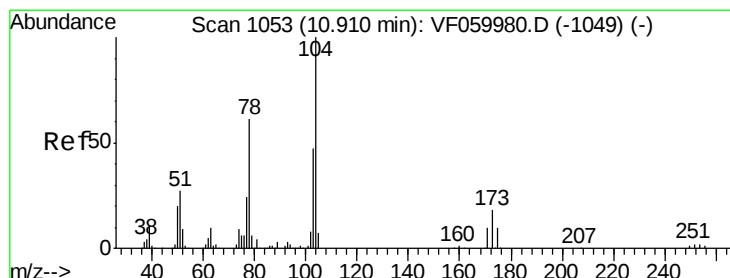
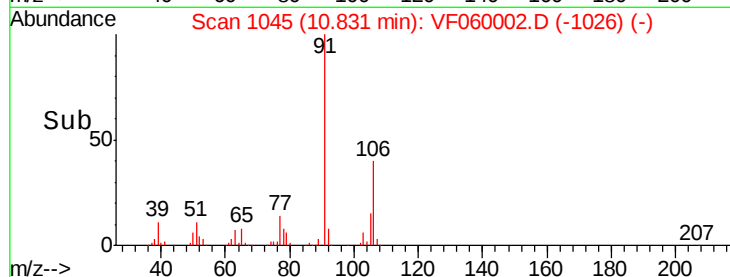
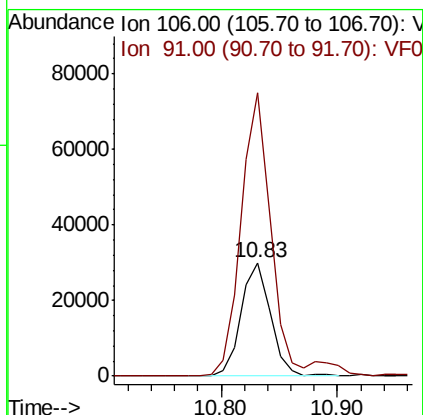
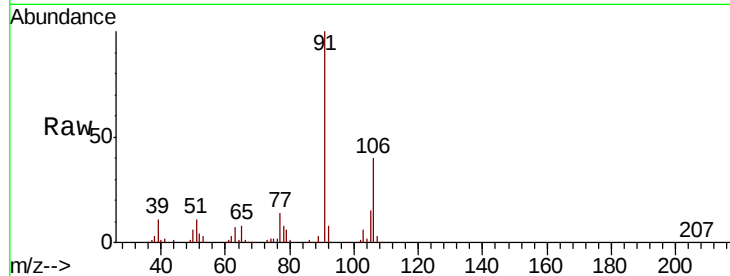




#69
o-Xylene
Concen: 22.20 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

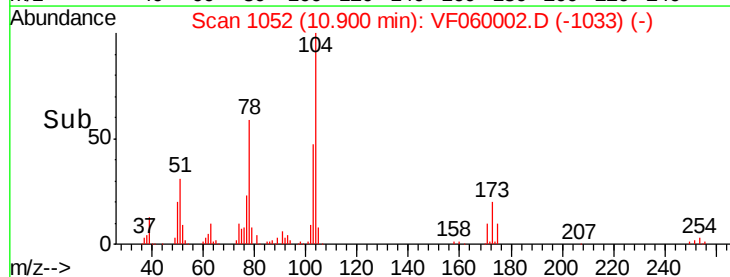
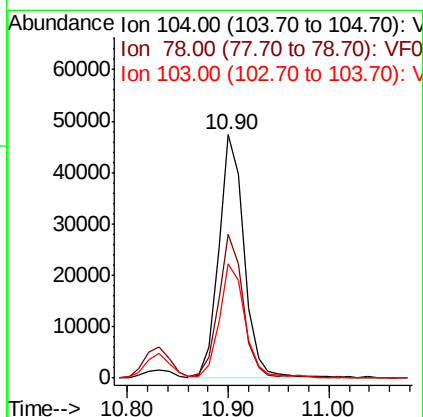
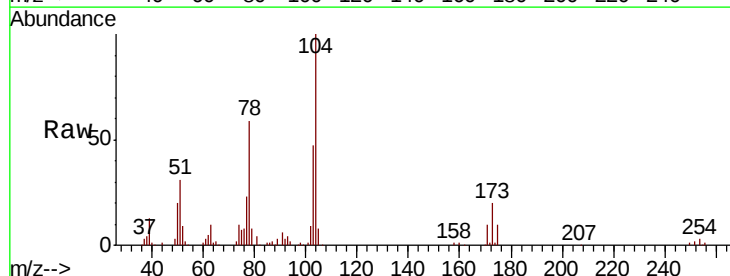
Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

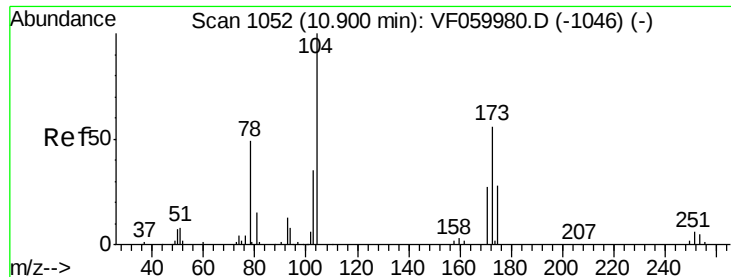
Tot Ion:106 Resp: 52791
Ion Ratio Lower Upper
106 100
91 249.6 125.4 376.2



#70
Styrene
Concen: 21.59 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Tgt Ion:104 Resp: 82257
Ion Ratio Lower Upper
104 100
78 59.1 49.0 73.6
103 46.7 38.2 57.4





#71

Bromoform

Concen: 19.99 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

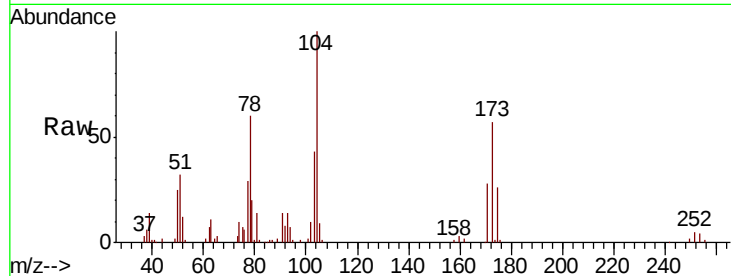
Tot Ion:173 Resp: 25076

Ion Ratio Lower Upper

173 100

175 47.0 24.8 74.3

254 0.0 0.0 0.0

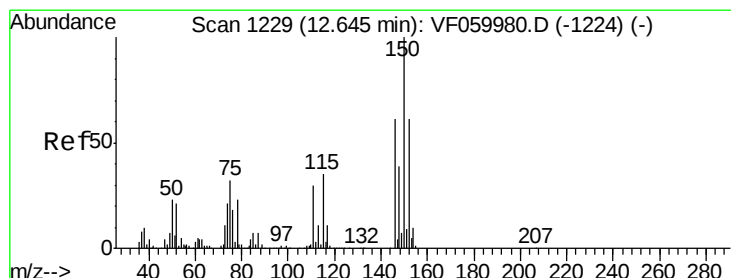
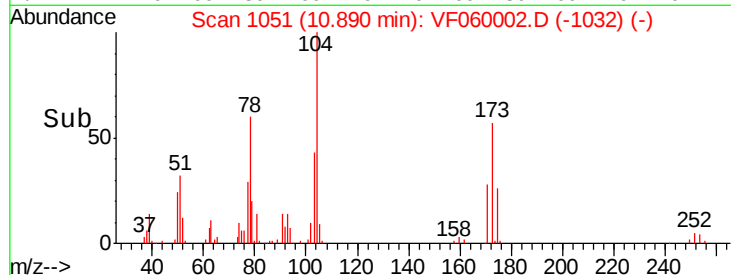
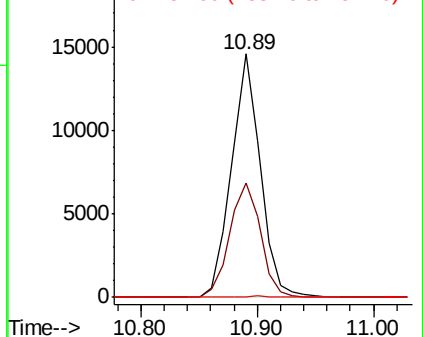


Abundance

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: 12.64 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

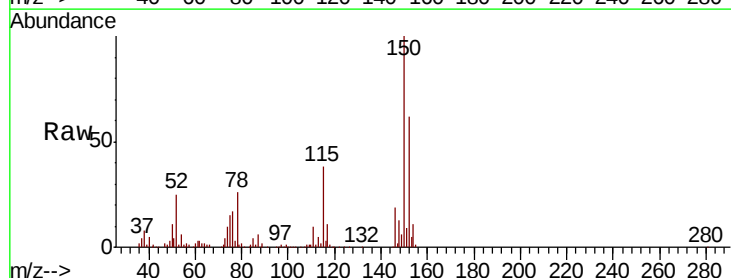
Tgt Ion:152 Resp: 127786

Ion Ratio Lower Upper

152 100

115 61.1 29.1 87.3

150 161.0 0.0 330.2

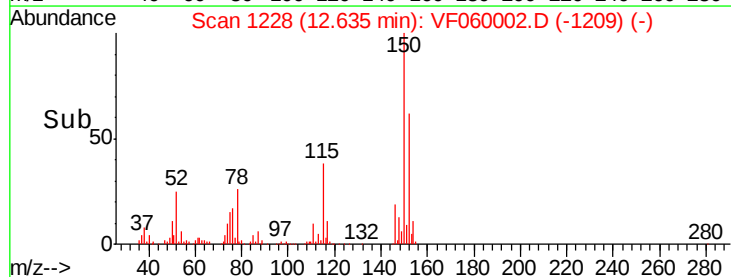
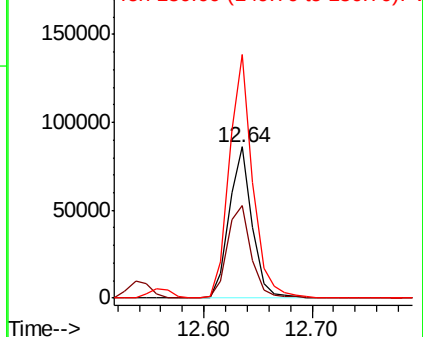


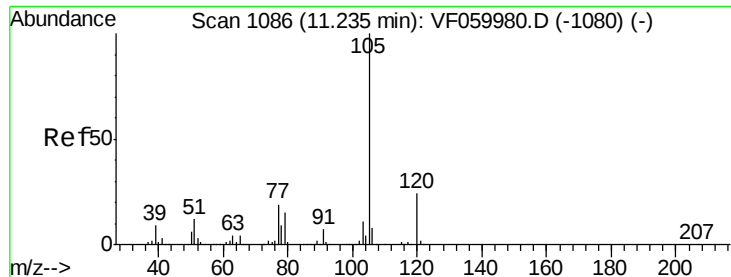
Abundance

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: 23.09 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

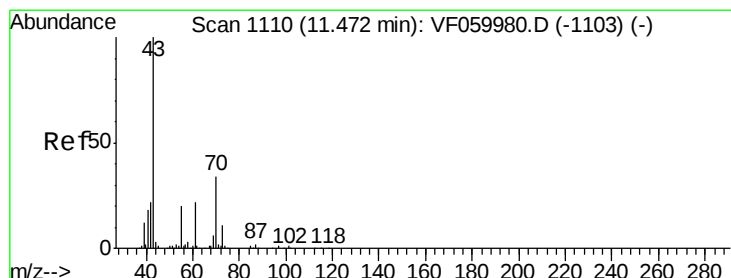
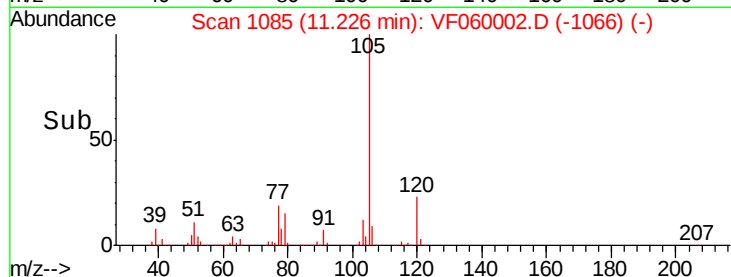
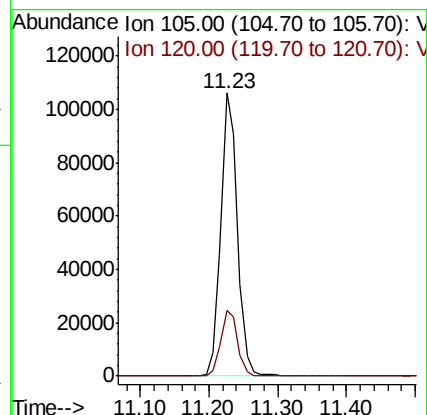
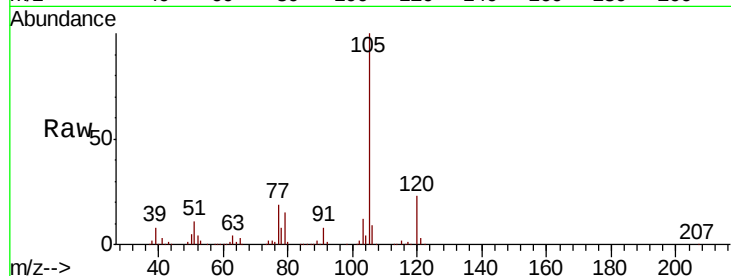
VF0820SBS01

Tot Ion:105 Resp: 176864

Ion Ratio Lower Upper

105 100

120 23.4 11.9 35.5



#74

N-ethyl acetate

Concen: 19.86 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Tgt Ion: 43 Resp: 43178

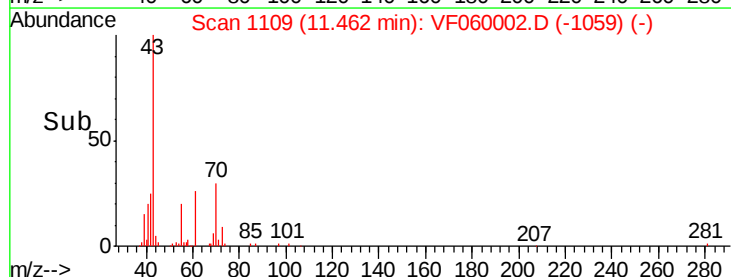
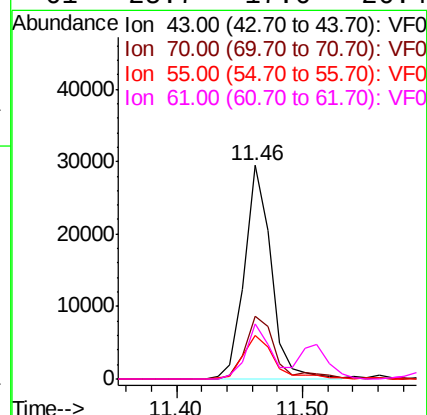
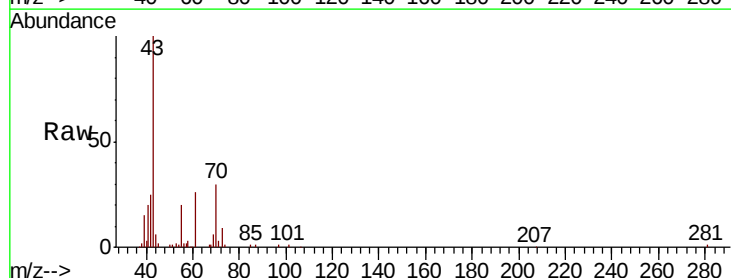
Ion Ratio Lower Upper

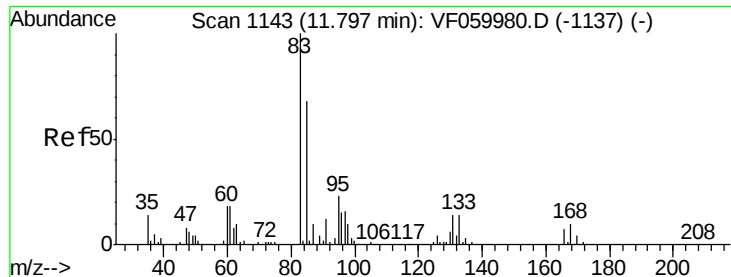
43 100

70 29.6 27.2 40.8

55 20.2 16.4 24.6

61 25.7 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.85 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

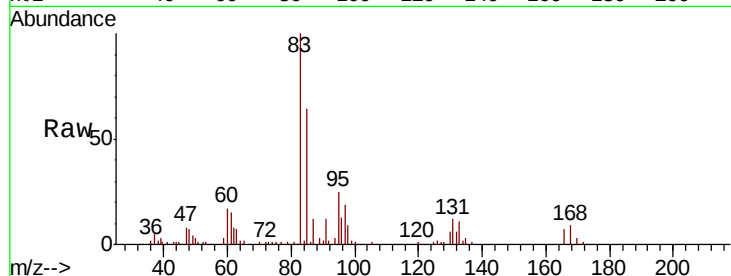
Tot Ion: 83 Resp: 31360

Ion Ratio Lower Upper

83 100

131 12.5 7.2 21.6

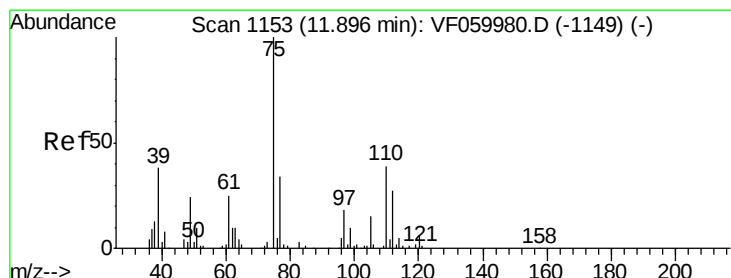
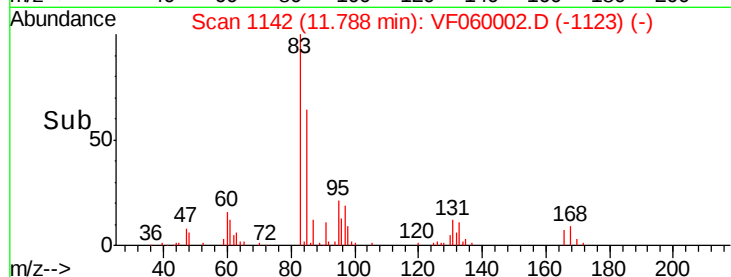
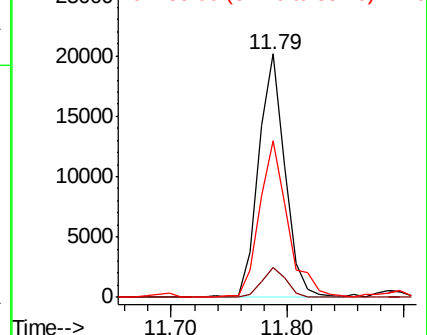
85 64.5 34.1 102.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 20.79 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF060002.D

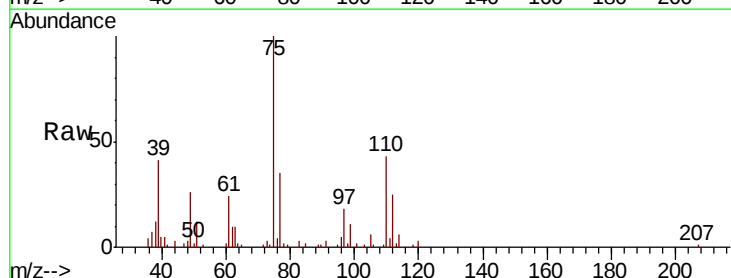
Acq: 20 Aug 2018 15:13

Tgt Ion: 75 Resp: 27690

Ion Ratio Lower Upper

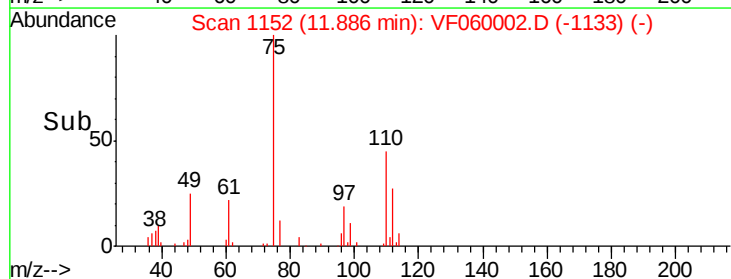
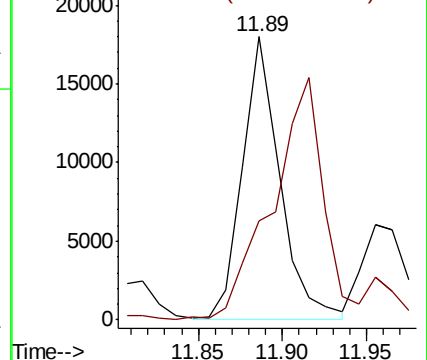
75 100

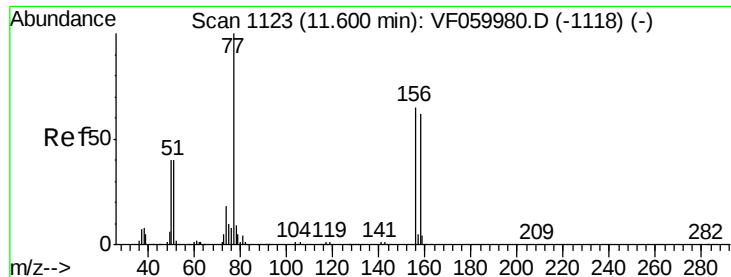
77 35.2 17.1 51.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 22.25 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

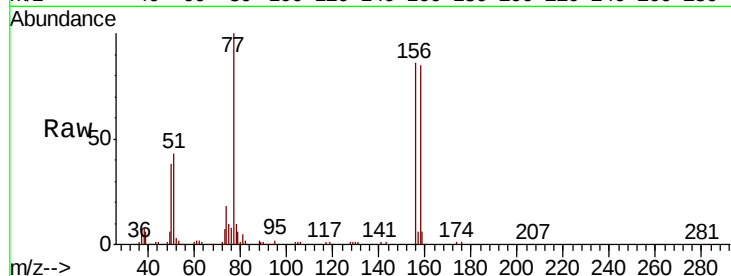
Tot Ion:156 Resp: 47540

Ion Ratio Lower Upper

156 100

77 116.5 76.9 230.7

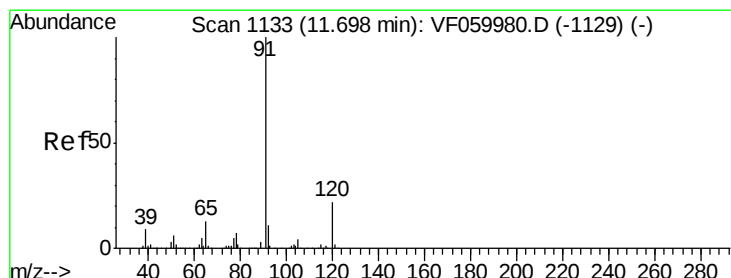
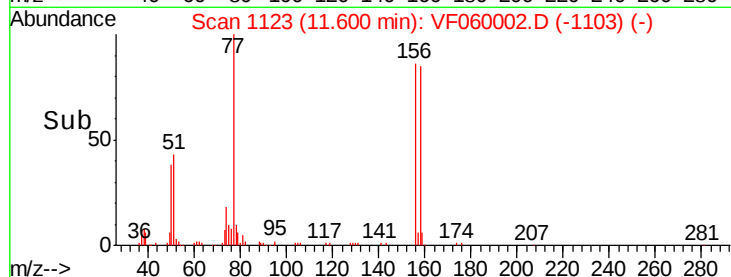
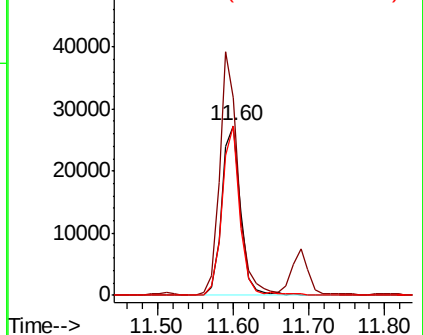
158 99.5 47.7 143.1



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: 21.78 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF060002.D

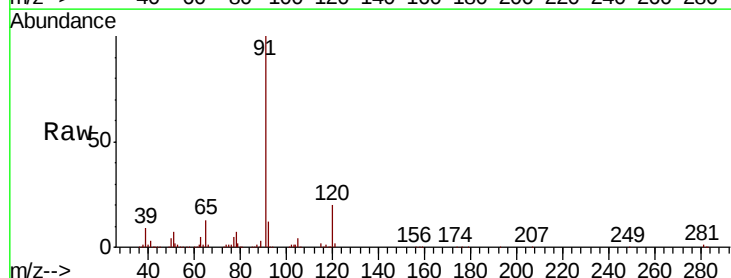
Acq: 20 Aug 2018 15:13

Tgt Ion: 91 Resp: 207105

Ion Ratio Lower Upper

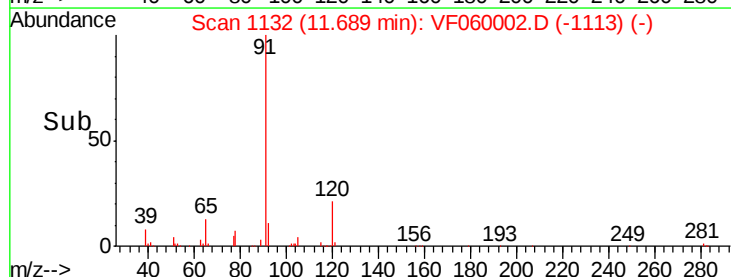
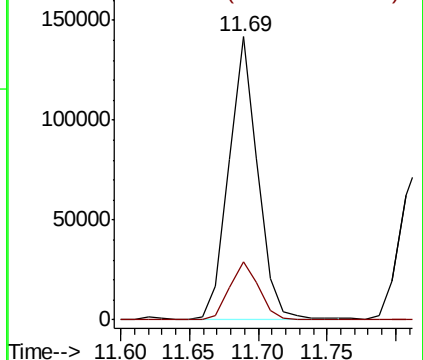
91 100

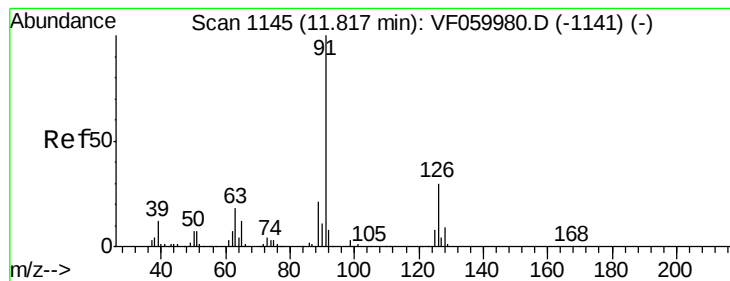
120 20.5 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.11 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

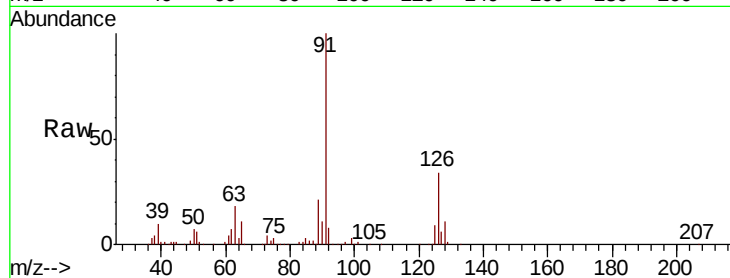
VF0820SBS01

Tot Ion: 91 Resp: 121980

Ion Ratio Lower Upper

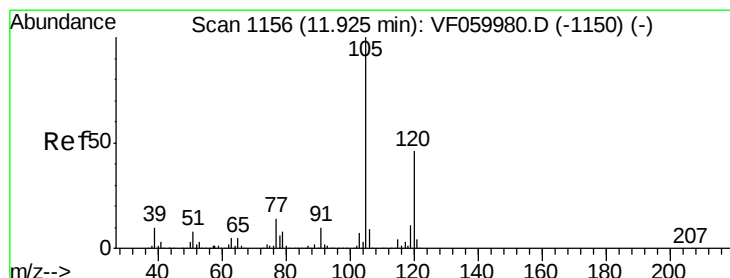
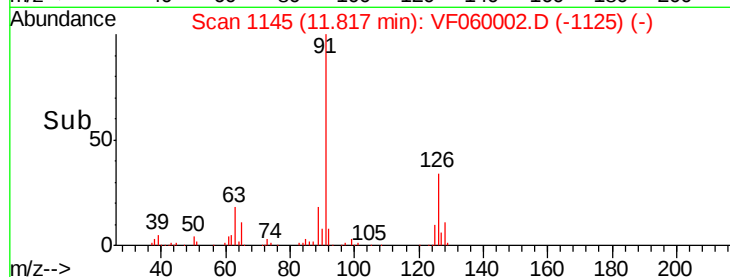
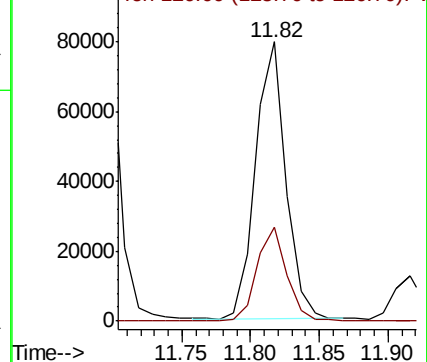
91 100

126 33.8 14.7 44.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 22.40 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VF060002.D

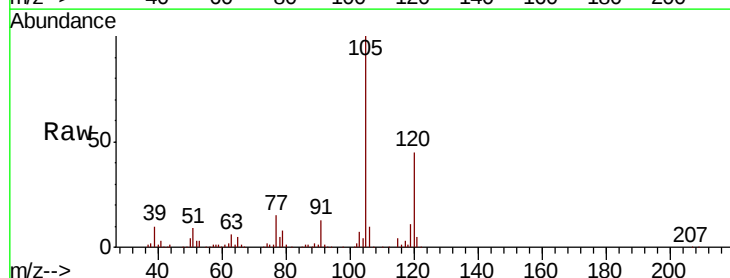
Acq: 20 Aug 2018 15:13

Tgt Ion:105 Resp: 155149

Ion Ratio Lower Upper

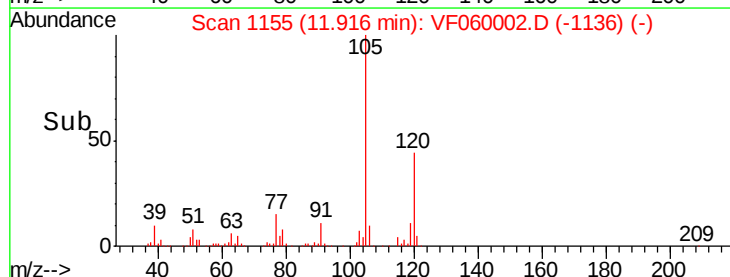
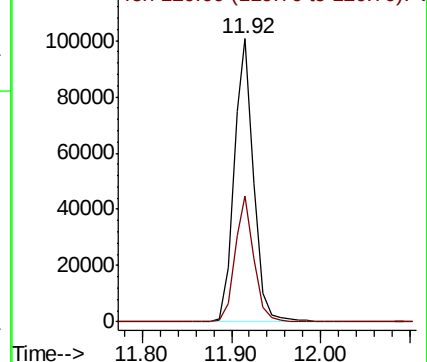
105 100

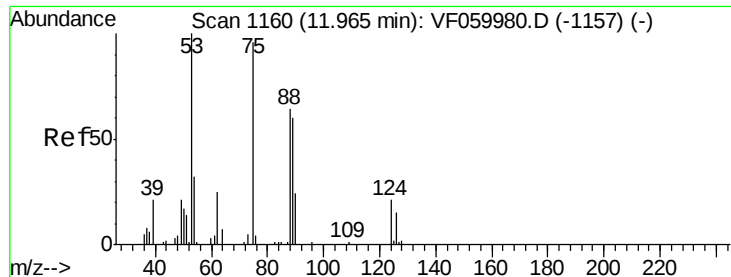
120 44.7 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 27.50 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

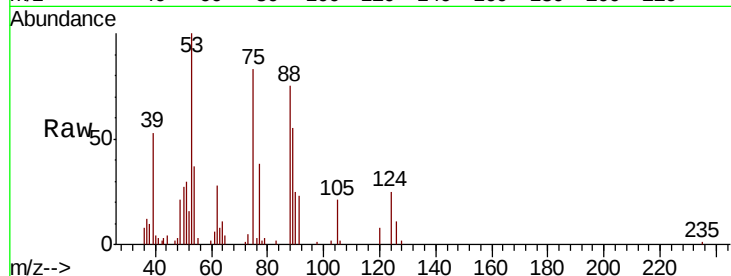
Tot Ion: 75 Resp: 15462

Ion Ratio Lower Upper

75 100

53 120.1 87.4 131.0

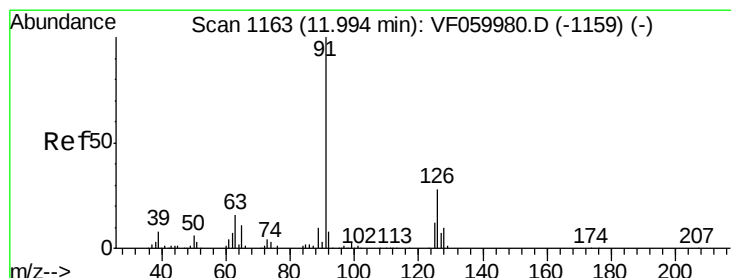
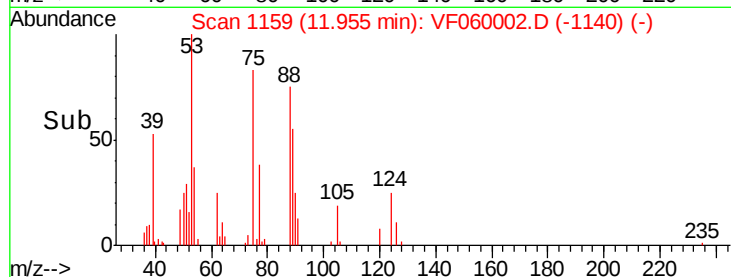
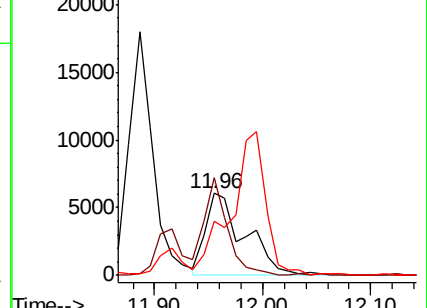
89 66.4 52.8 79.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 22.34 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VF060002.D

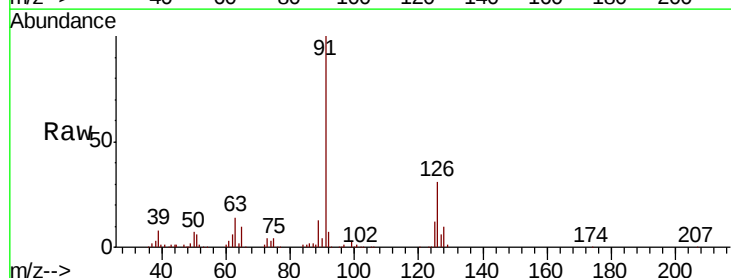
Acq: 20 Aug 2018 15:13

Tgt Ion: 91 Resp: 141266

Ion Ratio Lower Upper

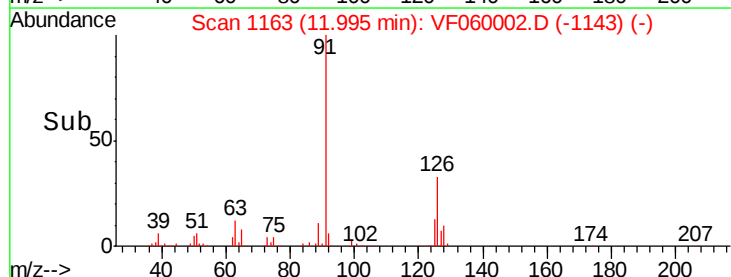
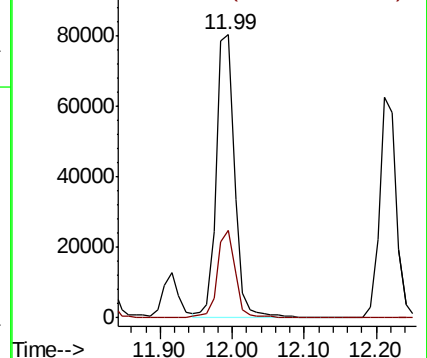
91 100

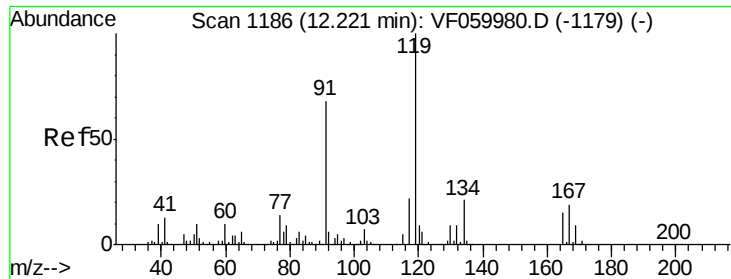
126 30.7 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

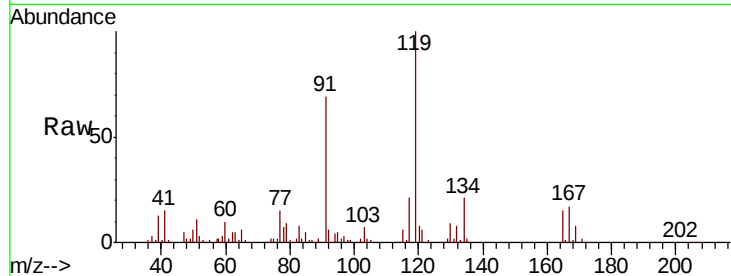




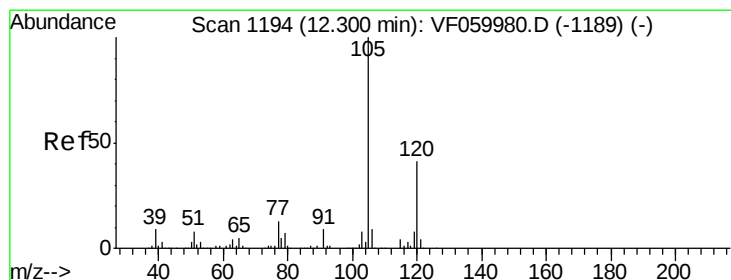
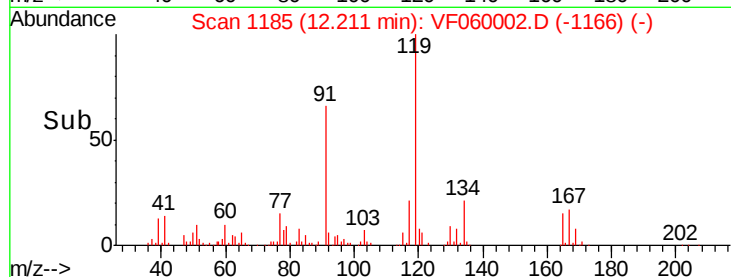
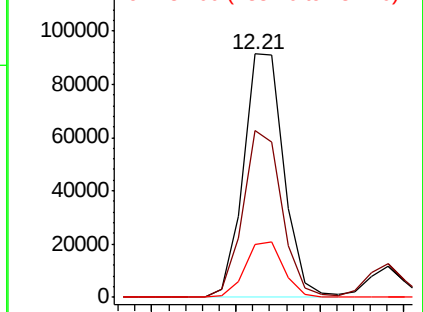
#83
 tert-Butylbenzene
 Concen: 22.40 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

Tot Ion:119 Resp: 152428
 Ion Ratio Lower Upper
 119 100
 91 68.8 34.1 102.2
 134 21.5 10.5 31.6

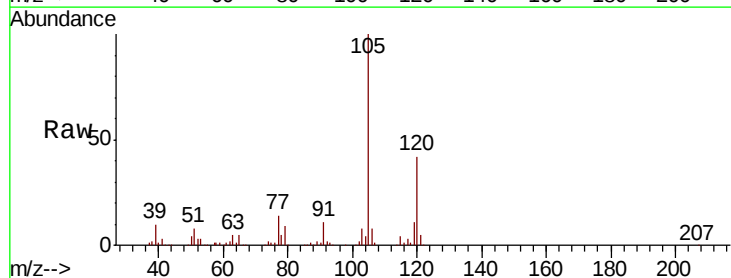


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

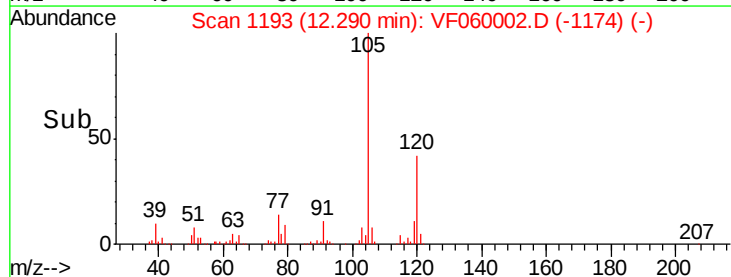
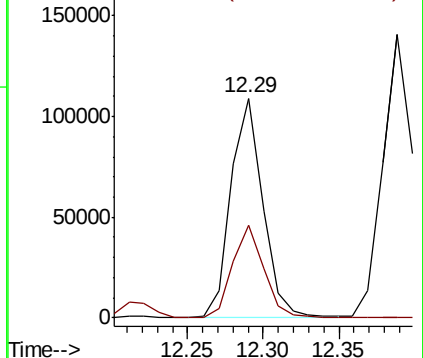


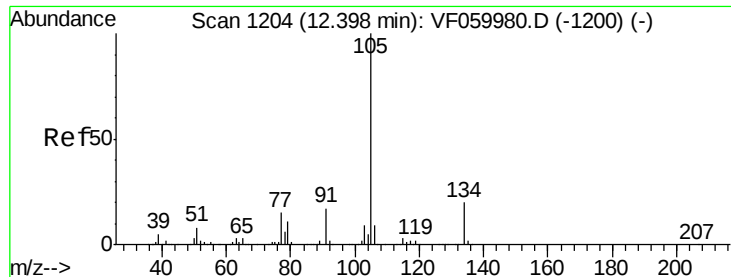
#84
 1,2,4-Trimethylbenzene
 Concen: 22.10 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Tgt Ion:105 Resp: 161159
 Ion Ratio Lower Upper
 105 100
 120 42.0 20.9 62.7



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

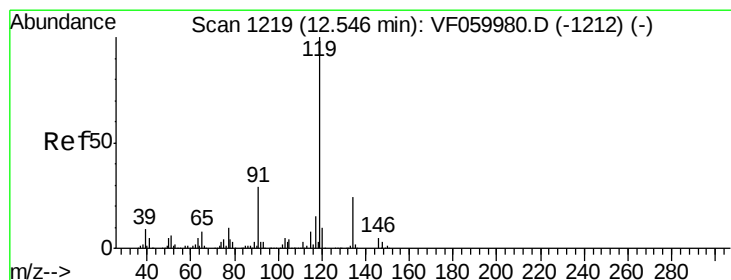
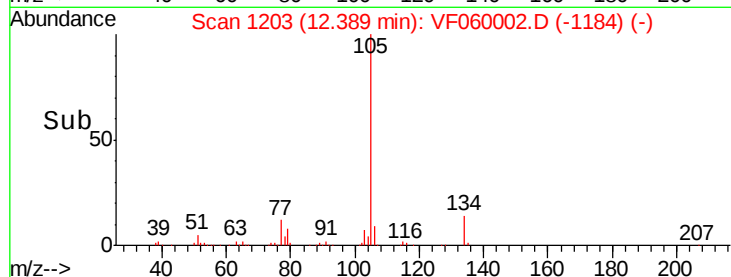
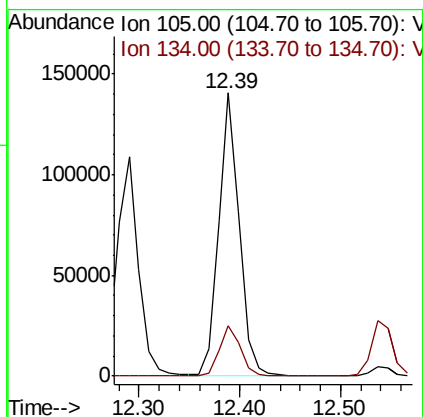
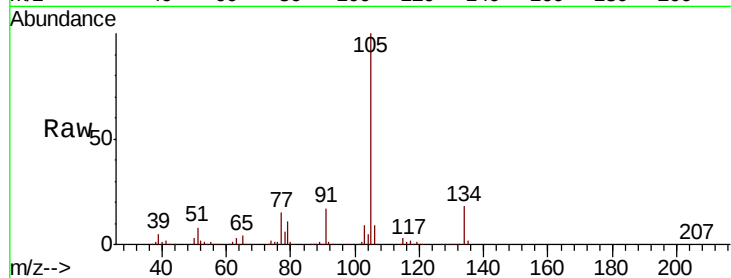




#85
 sec-Butylbenzene
 Concen: 22.28 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

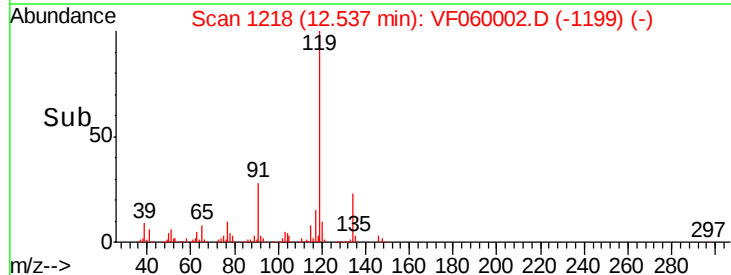
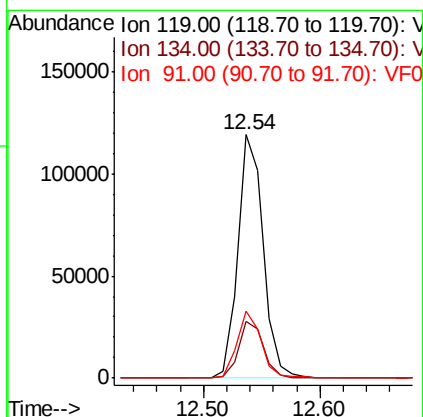
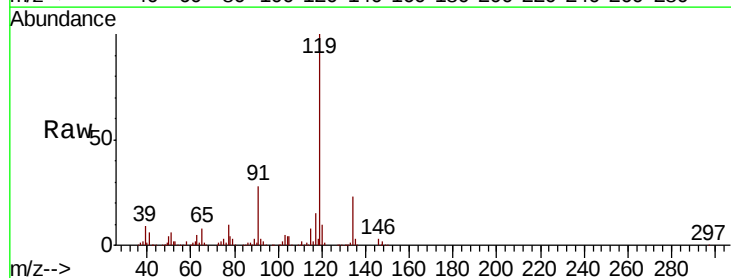
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

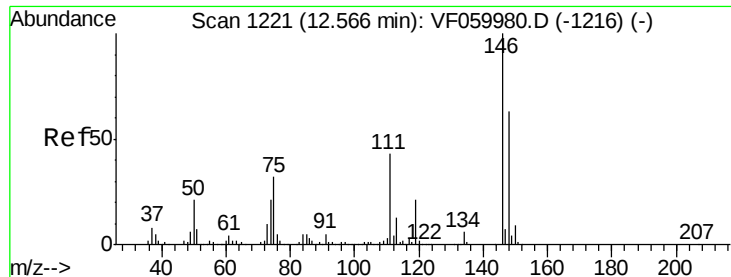
Tot Ion:105 Resp: 200374
 Ion Ratio Lower Upper
 105 100
 134 18.0 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 22.48 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Tgt Ion:119 Resp: 178844
 Ion Ratio Lower Upper
 119 100
 134 23.1 12.1 36.3
 91 27.8 14.4 43.4

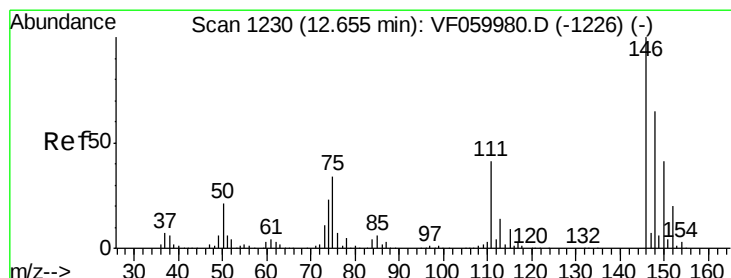
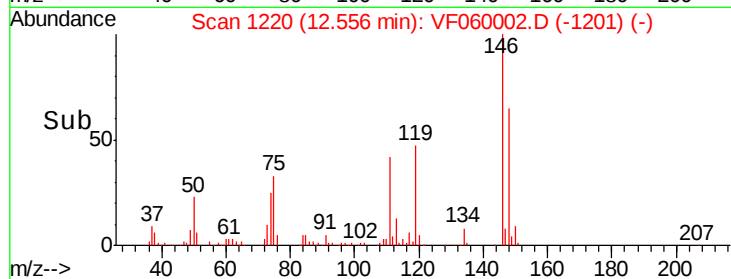
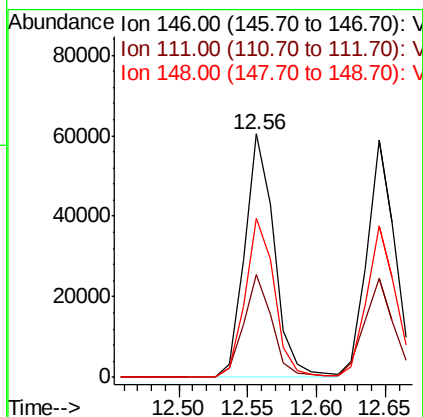
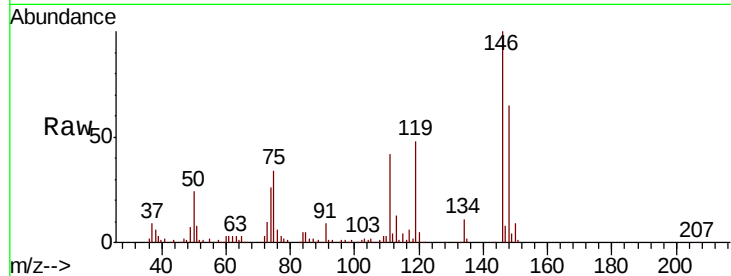




#87
 1,3-Dichlorobenzene
 Concen: 22.35 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

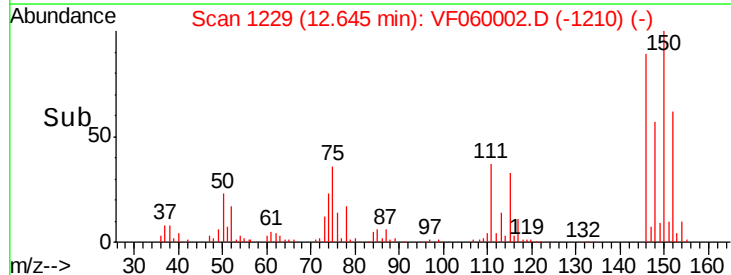
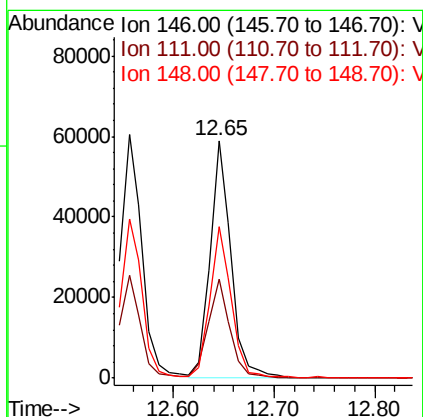
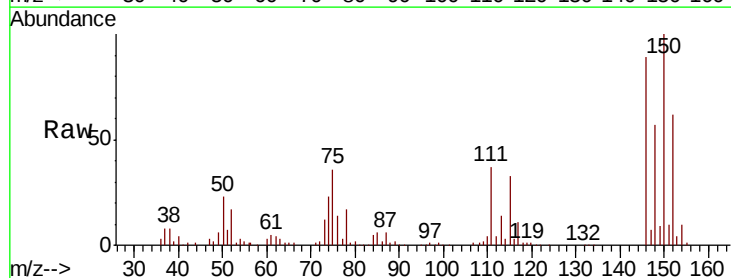
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

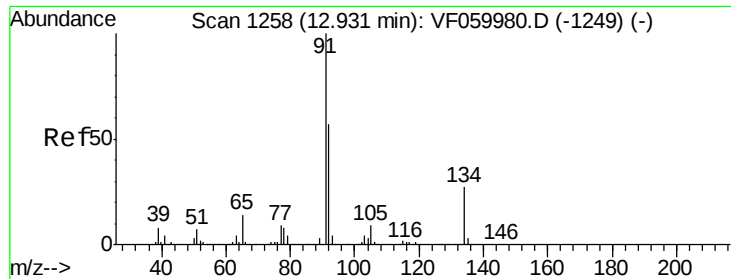
Tot Ion:146 Resp: 91134
 Ion Ratio Lower Upper
 146 100
 111 42.5 21.3 63.7
 148 65.1 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 21.50 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Tgt Ion:146 Resp: 85850
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.3 61.0
 148 63.7 32.6 97.8





#89

n-Butylbenzene

Concen: 22.52 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

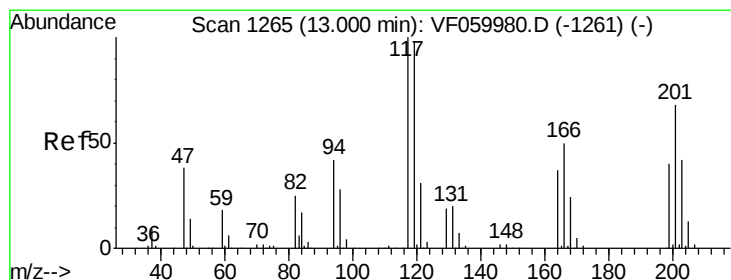
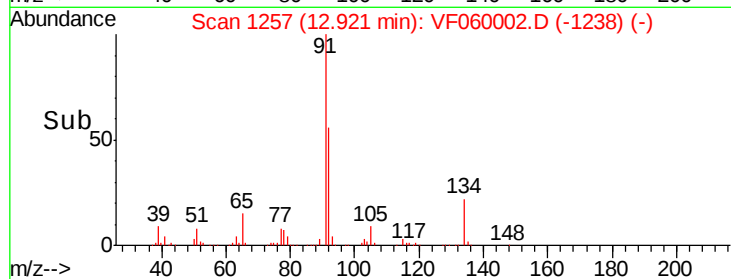
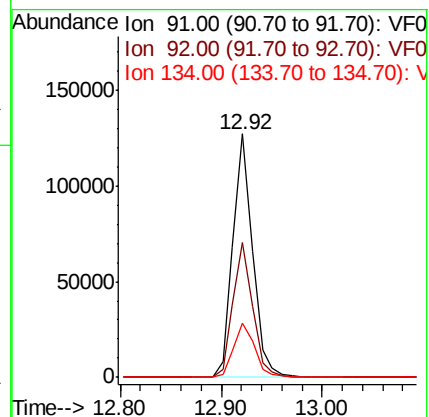
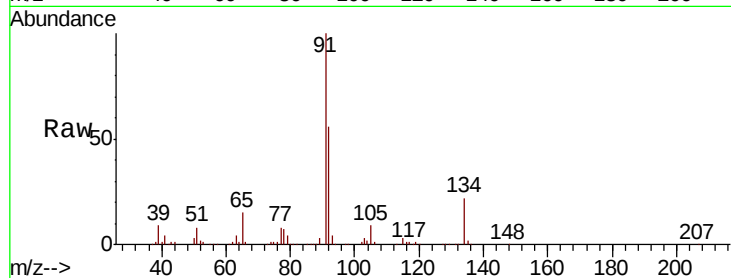
Tot Ion: 91 Resp: 173145

Ion Ratio Lower Upper

91 100

92 55.5 28.7 86.3

134 22.1 13.3 39.9



#90

Hexachloroethane

Concen: 22.58 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF060002.D

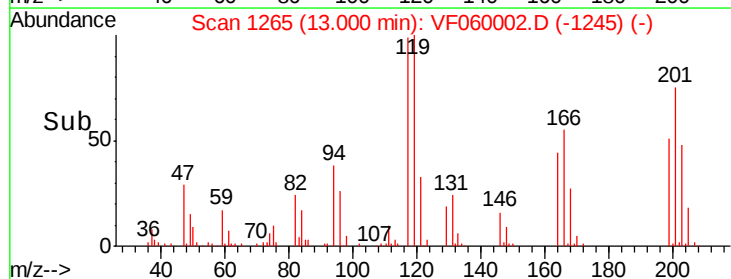
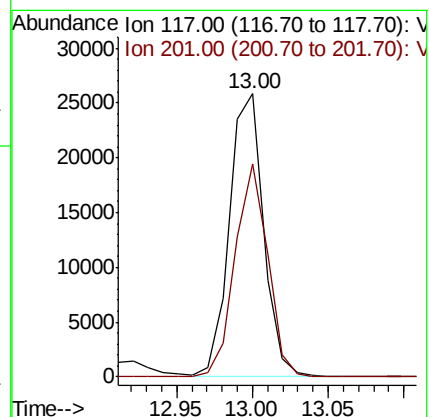
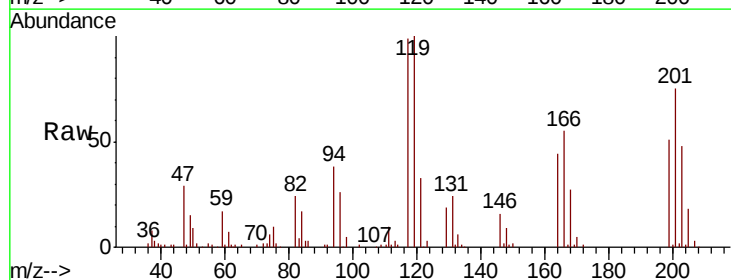
Acq: 20 Aug 2018 15:13

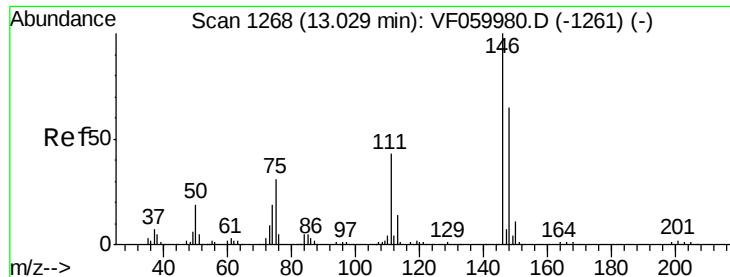
Tgt Ion: 117 Resp: 40458

Ion Ratio Lower Upper

117 100

201 75.2 34.5 103.5





#91

1,2-Dichlorobenzene

Concen: 21.71 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

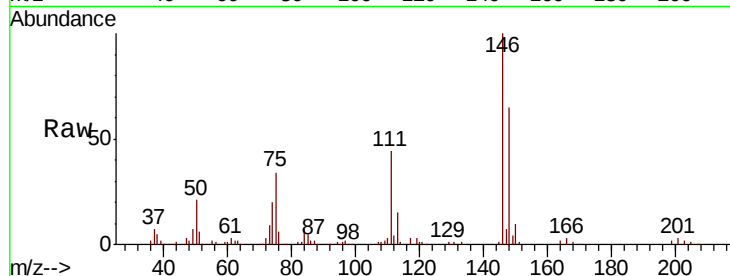
Tot Ion:146 Resp: 84735

Ion Ratio Lower Upper

146 100

111 43.7 21.4 64.3

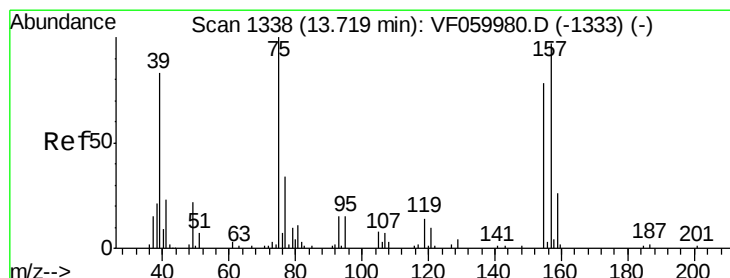
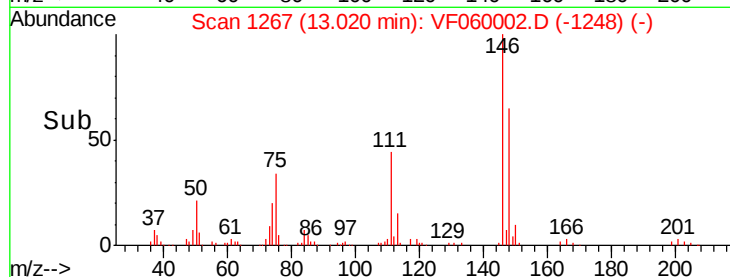
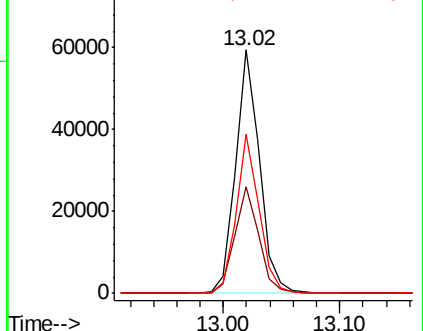
148 65.3 32.5 97.4



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: 20.96 ug/l

RT: 13.72 min Scan# 1338

Delta R.T. 0.00 min

Lab File: VF060002.D

Acq: 20 Aug 2018 15:13

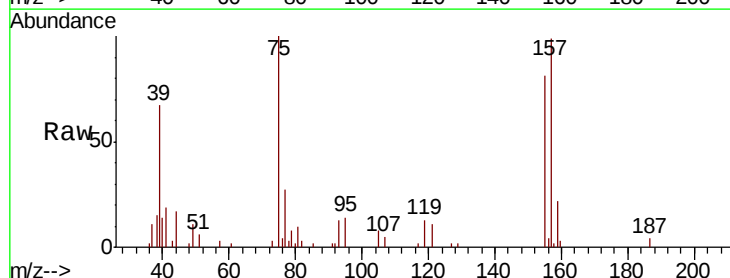
Tgt Ion: 75 Resp: 8718

Ion Ratio Lower Upper

75 100

155 80.6 38.9 116.7

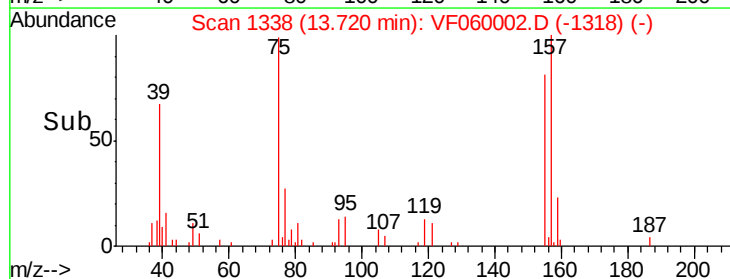
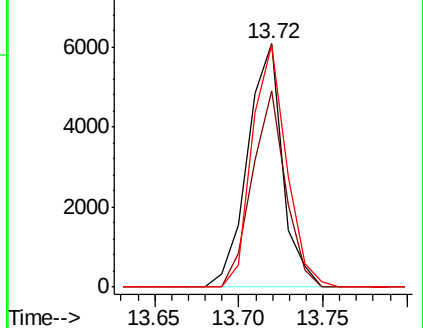
157 99.4 50.8 152.5

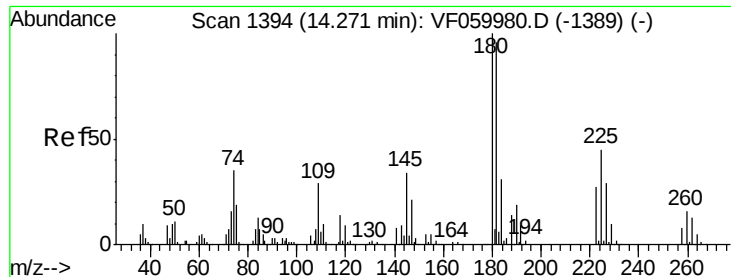


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

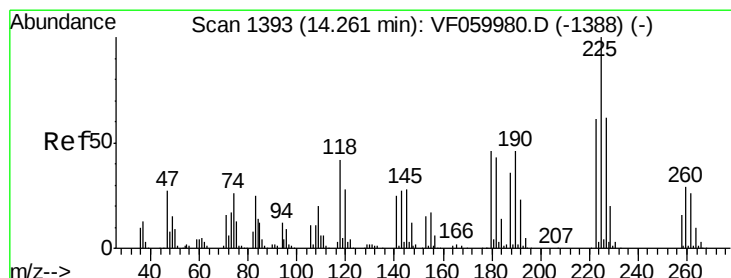
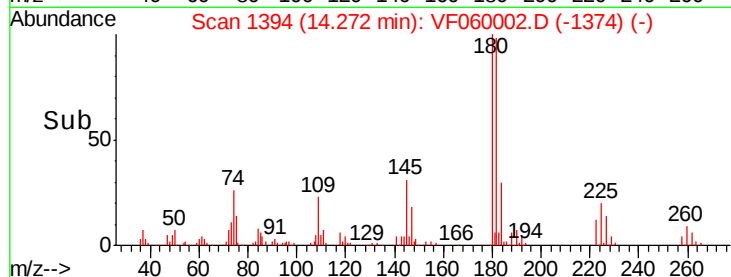
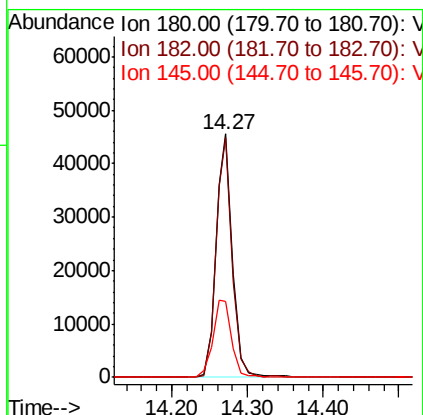
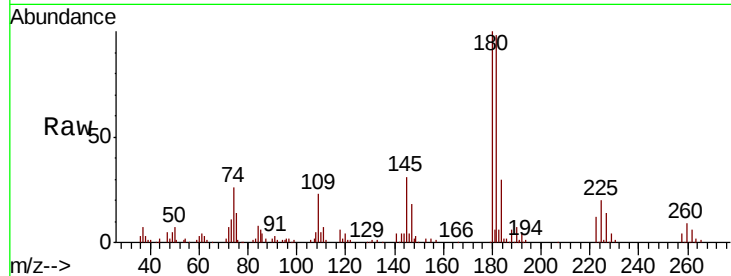




#93
 1,2,4-Trichlorobenzene
 Concen: 21.71 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

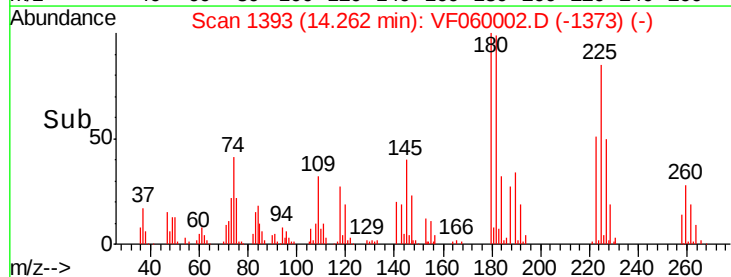
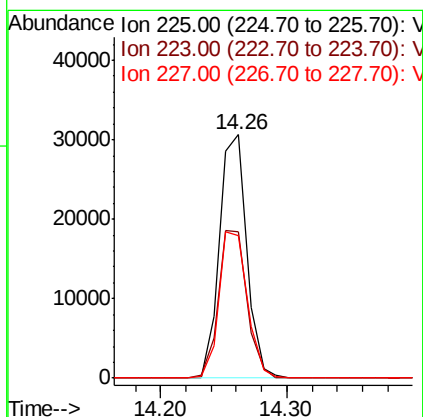
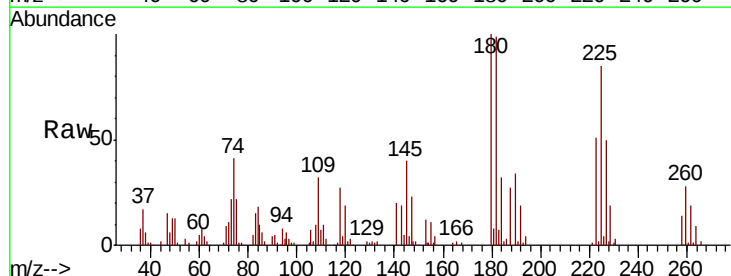
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

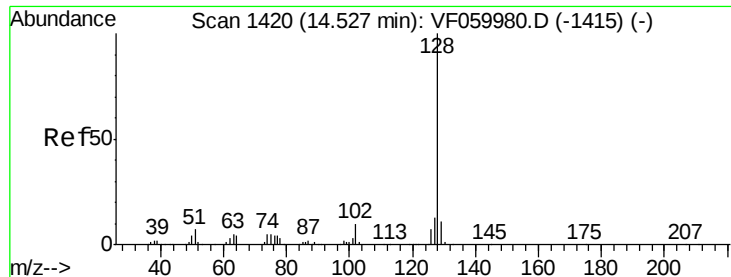
Tot Ion:180 Resp: 69145
 Ion Ratio Lower Upper
 180 100
 182 98.3 47.9 143.6
 145 31.3 17.2 51.5



#94
 Hexachlorobutadiene
 Concen: 21.54 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF060002.D
 Acq: 20 Aug 2018 15:13

Tgt Ion:225 Resp: 45961
 Ion Ratio Lower Upper
 225 100
 223 60.3 29.1 87.4
 227 58.5 29.8 89.5

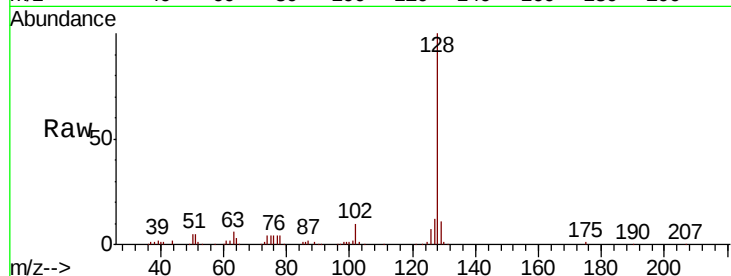




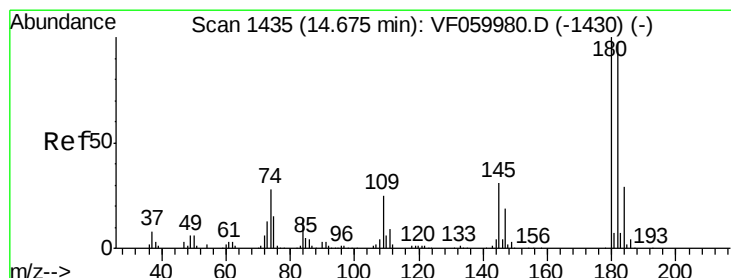
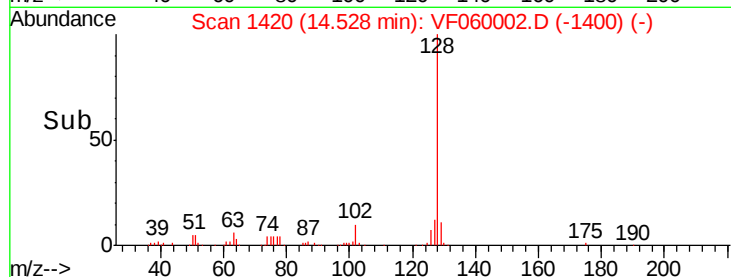
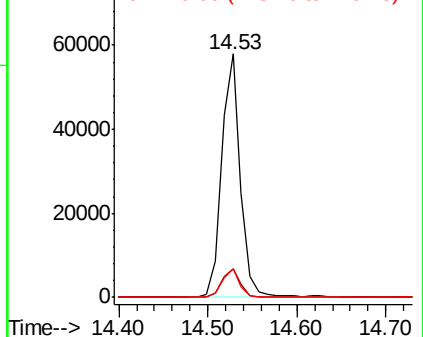
#95
Naphthalene
Concen: 19.13 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion:128 Resp: 85763
Ion Ratio Lower Upper
128 100
127 11.7 10.2 15.2
129 11.5 9.0 13.4

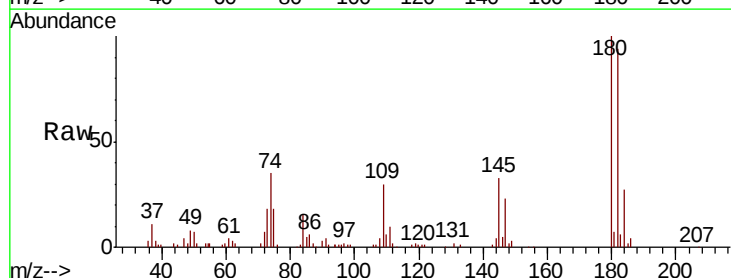


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.51 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. -0.01 min
Lab File: VF060002.D
Acq: 20 Aug 2018 15:13

Tgt Ion:180 Resp: 66054
Ion Ratio Lower Upper
180 100
182 93.8 48.5 145.5
145 32.7 15.7 47.1



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

