

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110818\
 Data File : VF060651.D
 Acq On : 8 Nov 2018 15:54
 Operator : VA/AP
 Sample : J5768-01RE
 Misc : 7.25g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 09 12:33:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	2308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	2495	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	390	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.55

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	442	18.95	ug/l	-0.03
Spiked Amount						
			Recovery	=		37.90%
35) Dibromofluoromethane	4.11	113	471	24.43	ug/l	0.00
Spiked Amount						
			Recovery	=		48.86%
50) Toluene-d8	7.55	98	1274	22.31	ug/l	0.00
Spiked Amount						
			Recovery	=		44.62%
62) 4-Bromofluorobenzene	11.42	95	92	3.68	ug/l	0.00
Spiked Amount						
			Recovery	=		7.36%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	215	5.338	ug/l #	41
3) Chloromethane	1.08	50	292	14.456	ug/l #	45
4) Vinyl Chloride	0.97	62	78	4.191	ug/l #	48
5) Bromomethane	1.38	94	158	15.123	ug/l #	1
6) Chloroethane	1.36	64	116	14.182	ug/l #	40
8) Diethyl Ether	1.66	74	66	10.222	ug/l	54
9) 1,1,2-Trichlorotrifluoroet	1.96	101	78	3.918	ug/l #	23
11) Tert butyl alcohol	2.50	59	62	45.217	ug/l #	1
12) 1,1-Dichloroethene	1.68	96	81	4.831	ug/l #	1
13) Acrolein	1.95	56	241	325.238	ug/l	86
14) Allyl chloride	2.08	41	178	6.502	ug/l #	40
15) Acrylonitrile	2.98	53	63	22.669	ug/l #	15
16) Acetone	2.24	43	547	99.546	ug/l #	59
17) Carbon Disulfide	1.80	76	69	1.461	ug/l #	1
18) Methyl Acetate	2.31	43	835	97.369	ug/l #	64
19) Methyl tert-butyl Ether	2.43	73	104	2.653	ug/l #	1
20) Methylene Chloride	2.22	84	83	Below Cal	#	7
21) trans-1,2-Dichloroethene	2.40	96	73	4.150	ug/l #	1
22) Diisopropyl ether	2.79	45	126	2.172	ug/l #	42
23) Vinyl Acetate	3.18	43	690	19.798	ug/l #	75
24) 1,1-Dichloroethane	2.88	63	196	5.839	ug/l #	89
25) 2-Butanone	4.32	43	402	7.842	ug/l #	56
26) 2,2-Dichloropropane	3.56	77	287	11.426	ug/l #	57
27) cis-1,2-Dichloroethene	3.46	96	69	2.055	ug/l	1
28) Bromochloromethane	3.56	49	66	3.133	ug/l #	13
29) Tetrahydrofuran	4.11	42	272	58.423	ug/l #	58
30) Chloroform	3.86	83	73	1.374	ug/l #	16
31) Cyclohexane	3.69	56	315	6.800	ug/l #	17
32) 1,1,1-Trichloroethane	4.08	97	65	1.752	ug/l #	21
37) Ethyl Acetate	4.13	43	578	43.830	ug/l #	17
39) Methylcyclohexane	5.54	83	65	1.939	ug/l #	1
41) Methacrylonitrile	4.69	41	383	51.284	ug/l #	26
43) Isopropyl Acetate	6.93	43	763	45.741	ug/l #	45
47) Bromodichloromethane	6.38	83	67	2.567	ug/l #	25

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110818\
 Data File : VF060651.D
 Acq On : 8 Nov 2018 15:54
 Operator : VA/AP
 Sample : J5768-01RE
 Misc : 7.25g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

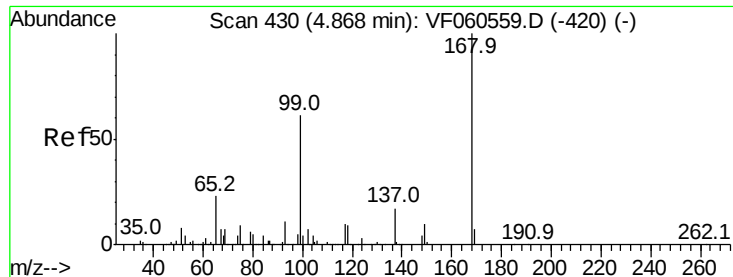
Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 09 12:33:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

48) Methyl methacrylate	6.75	41	326	31.096	ug/l #	17
51) 4-Methyl-2-Pentanone	8.25	43	682	60.798	ug/l #	37
52) Toluene	7.72	92	60	1.381	ug/l #	1
53) t-1,3-Dichloropropene	8.37	75	83	3.659	ug/l #	8
54) cis-1,3-Dichloropropene	7.30	75	66	2.303	ug/l #	1
55) 1,1,2-Trichloroethane	8.54	97	67	5.300	ug/l #	14
56) Ethyl methacrylate	8.62	69	95	5.841	ug/l #	14
57) 1,3-Dichloropropane	8.83	76	69	3.111	ug/l #	44
58) 2-Chloroethyl Vinyl ether	7.52	63	66	46.457	ug/l	100
59) 2-Hexanone	9.49	43	168	Below Cal	#	26
65) Chlorobenzene	9.64	112	67	8.401	ug/l #	41
67) Ethyl Benzene	9.99	91	79	5.458	ug/l #	44
70) Styrene	10.72	104	66	7.653	ug/l #	33

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

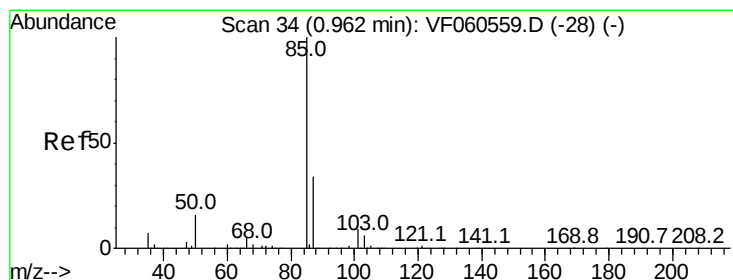
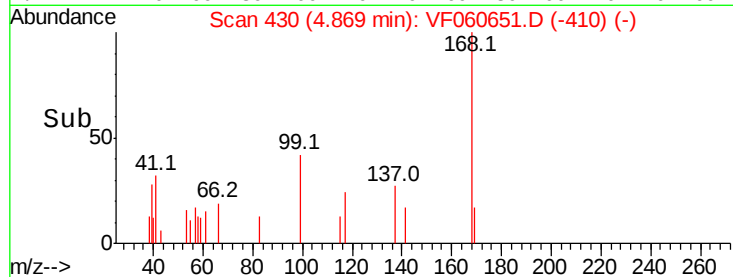
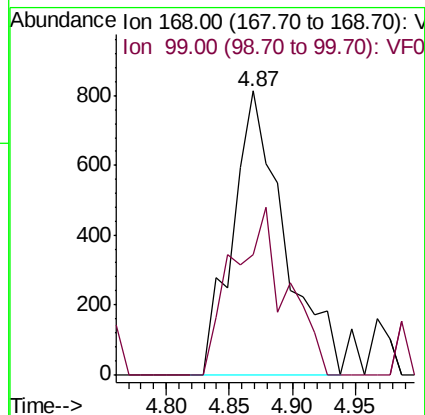
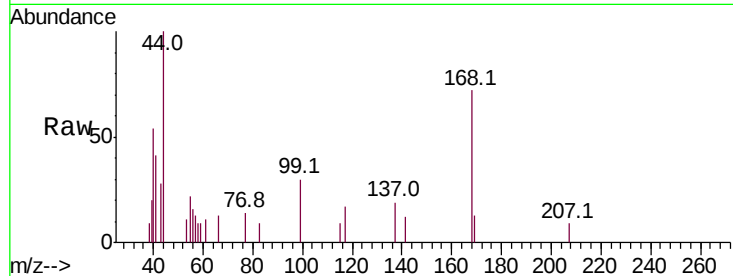


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 4.87 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VF060651.D
 Acq: 8 Nov 2018 15:54

Instrument :
 MSVOA_F
 ClientSampled :

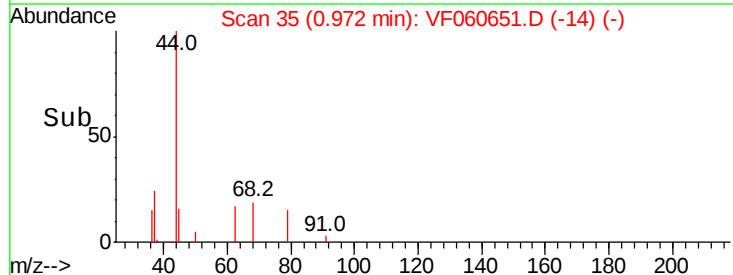
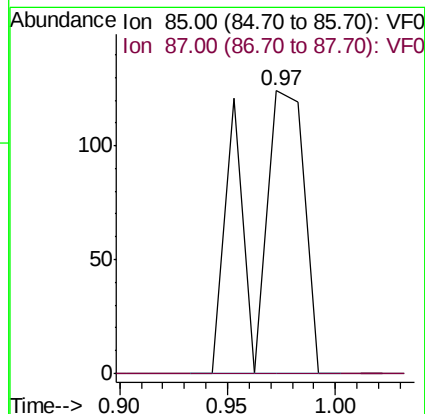
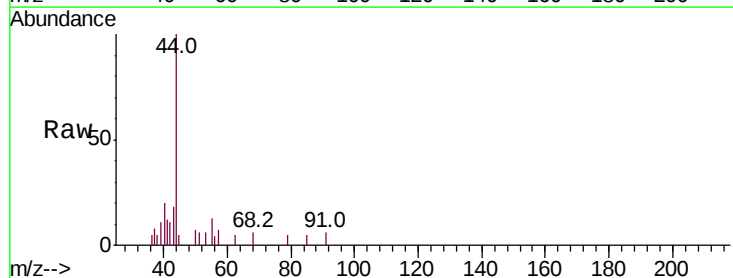
Tot Ion:168 Resp: 2308
 Ion Ratio Lower Upper
 168 100
 99 42.2 48.6 72.8#

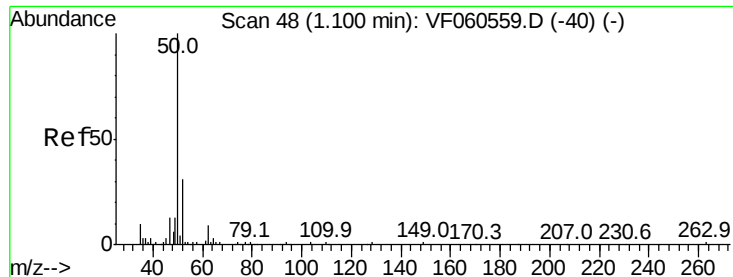


#2

Dichlorodifluoromethane
 Concen: 5.338 ug/l
 RT: 0.97 min Scan# 35
 Delta R.T. 0.01 min
 Lab File: VF060651.D
 Acq: 8 Nov 2018 15:54

Tgt Ion: 85 Resp: 215
 Ion Ratio Lower Upper
 85 100
 87 0.0 16.9 50.7#





#3

Chloromethane

Concen: 14.456 ug/l

RT: 1.08 min Scan# 46

Delta R.T. -0.02 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

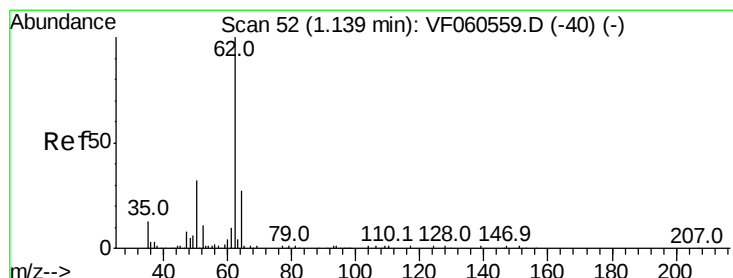
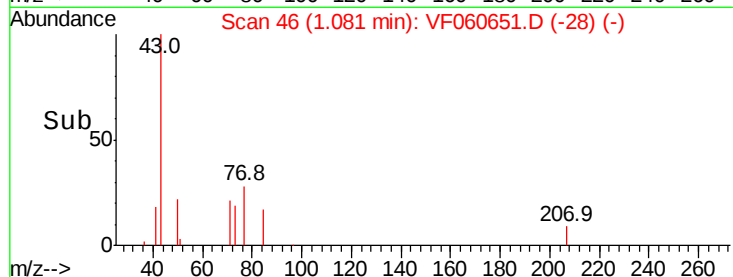
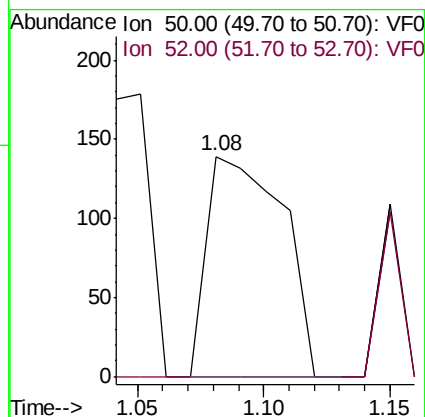
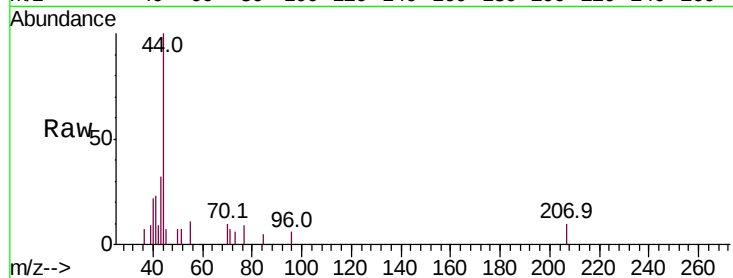
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 50 Resp: 292

Ion Ratio Lower Upper

50 100

52 0.0 24.0 36.0#



#4

Vinyl Chloride

Concen: 4.191 ug/l

RT: 0.97 min Scan# 35

Delta R.T. -0.17 min

Lab File: VF060651.D

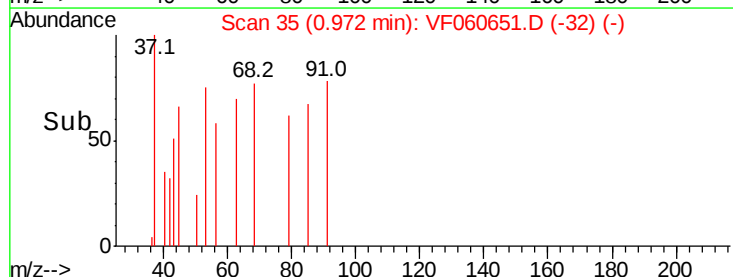
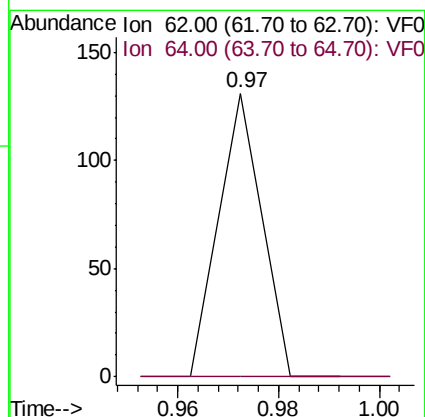
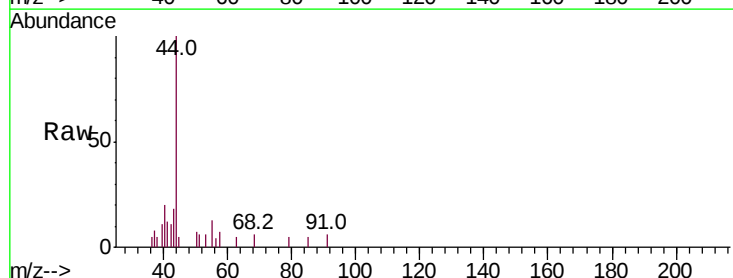
Acq: 8 Nov 2018 15:54

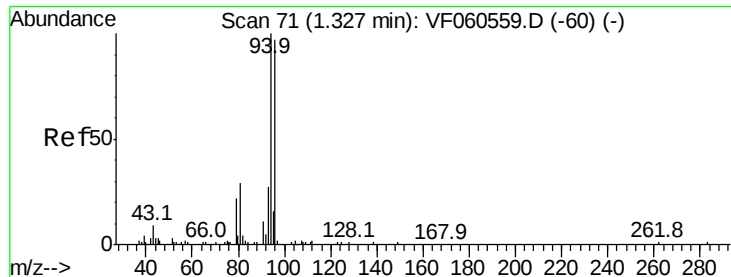
Tgt Ion: 62 Resp: 78

Ion Ratio Lower Upper

62 100

64 0.0 21.8 32.6#





#5

Bromomethane

Concen: 15.123 ug/l

RT: 1.38 min Scan# 76

Delta R.T. 0.05 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

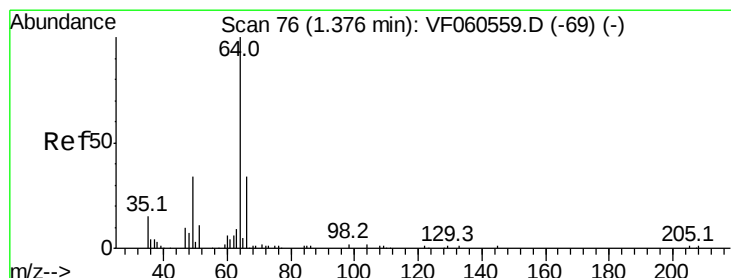
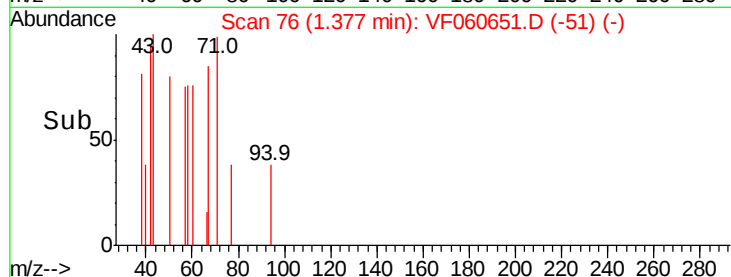
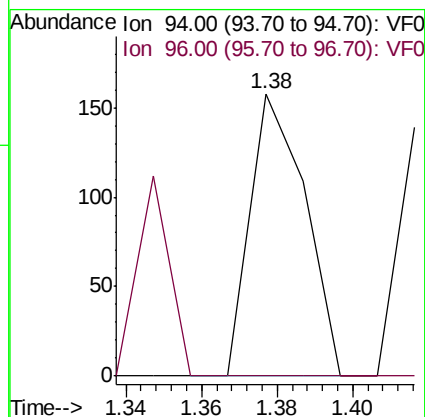
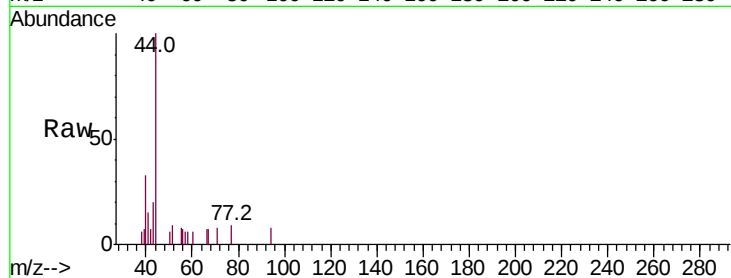
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 158

Ion Ratio Lower Upper

94 100

96 0.0 77.9 116.9#



#6

Chloroethane

Concen: 14.182 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.02 min

Lab File: VF060651.D

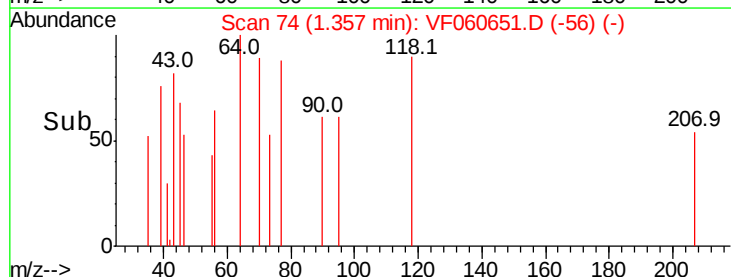
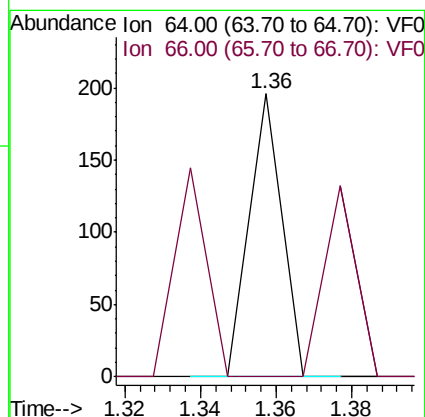
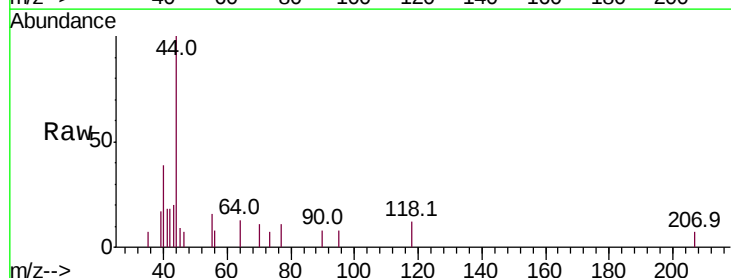
Acq: 8 Nov 2018 15:54

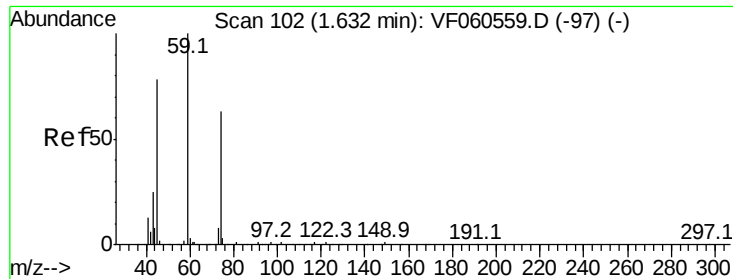
Tgt Ion: 64 Resp: 116

Ion Ratio Lower Upper

64 100

66 0.0 27.8 41.8#





#8

Diethyl Ether

Concen: 10.222 ug/l

RT: 1.66 min Scan# 105

Delta R.T. 0.03 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

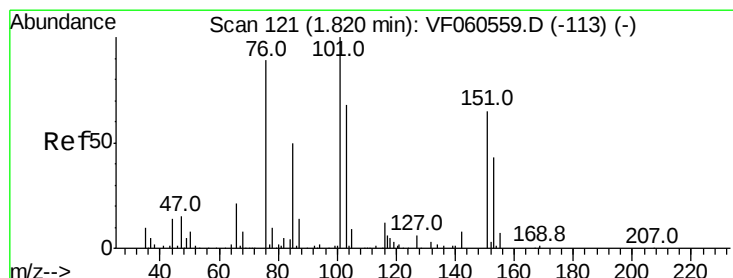
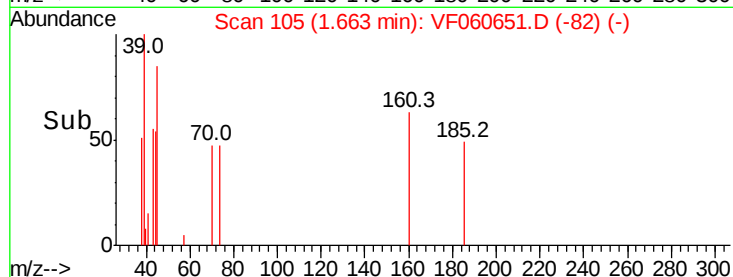
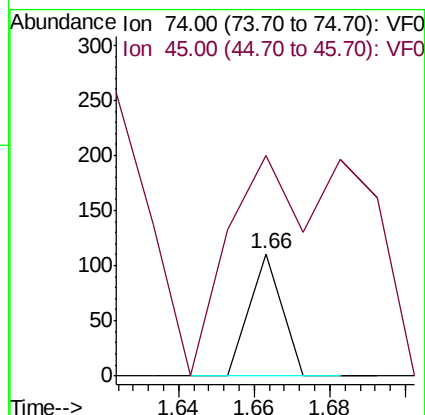
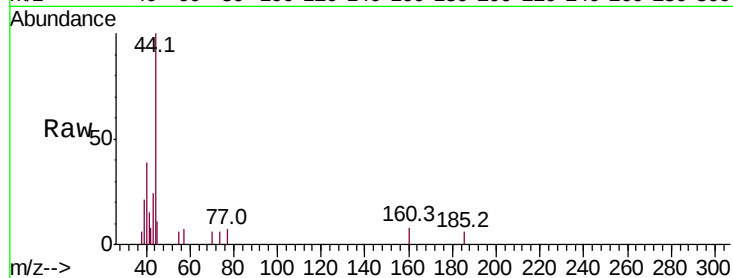
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 74 Resp: 66

Ion Ratio Lower Upper

74 100

45 180.2 63.8 191.5



#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.918 ug/l

RT: 1.96 min Scan# 135

Delta R.T. 0.14 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

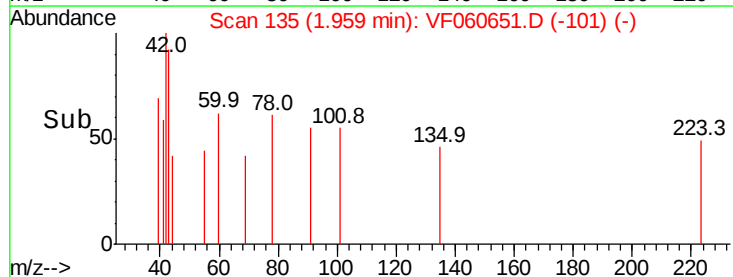
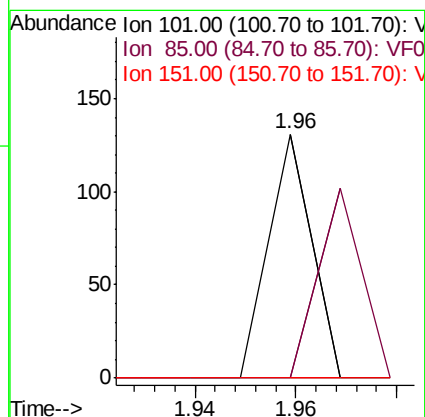
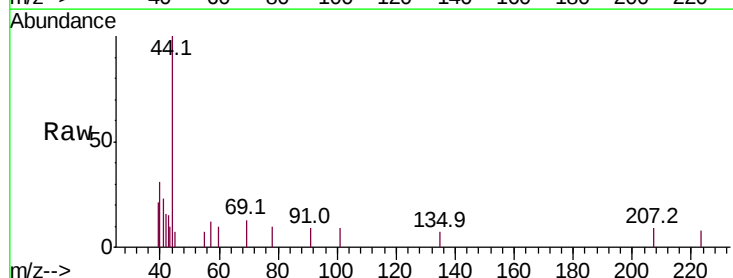
Tgt Ion: 101 Resp: 78

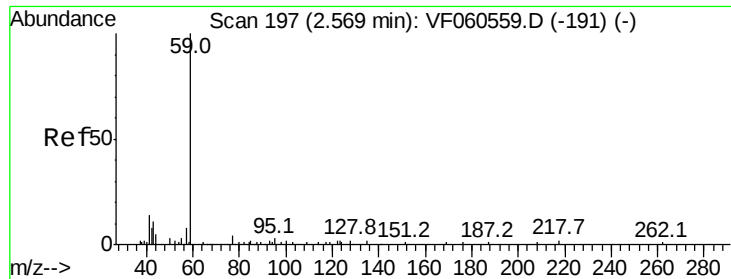
Ion Ratio Lower Upper

101 100

85 0.0 39.8 59.6#

151 0.0 50.8 76.2#





#11

Tert butyl alcohol

Concen: 45.217 ug/l

RT: 2.50 min Scan# 190

Delta R.T. -0.07 min

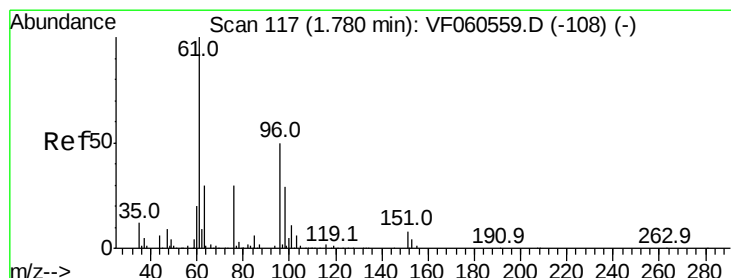
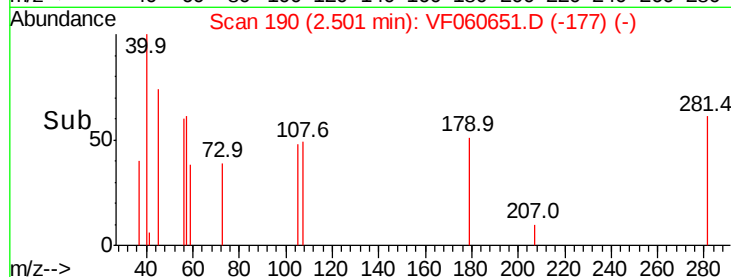
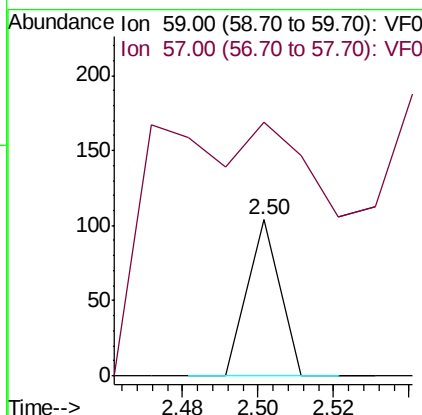
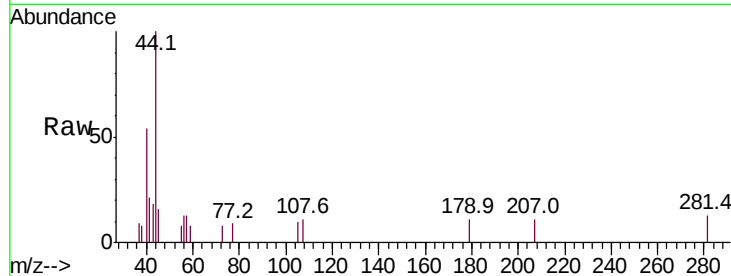
Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 59 Resp: 62

Ion	Ratio	Lower	Upper
59	100		
57	162.5	19.0	28.4#



#12

1,1-Dichloroethene

Concen: 4.831 ug/l

RT: 1.68 min Scan# 107

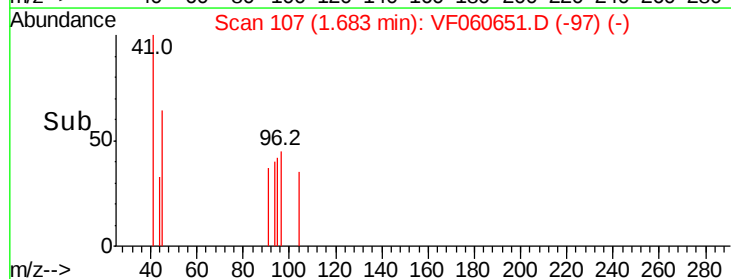
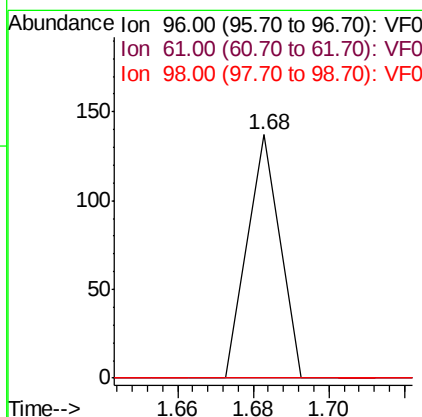
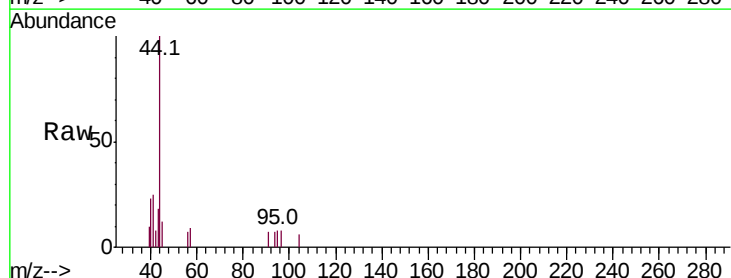
Delta R.T. -0.10 min

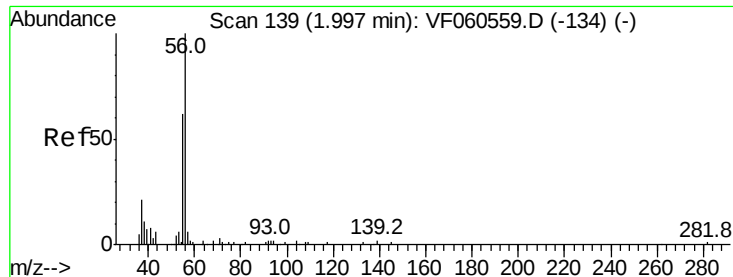
Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Tgt Ion: 96 Resp: 81

Ion	Ratio	Lower	Upper
96	100		
61	0.0	158.1	237.1#
98	0.0	47.0	70.6#





#13

Acrolein

Concen: 325.238 ug/l

RT: 1.95 min Scan# 134

Delta R.T. -0.05 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

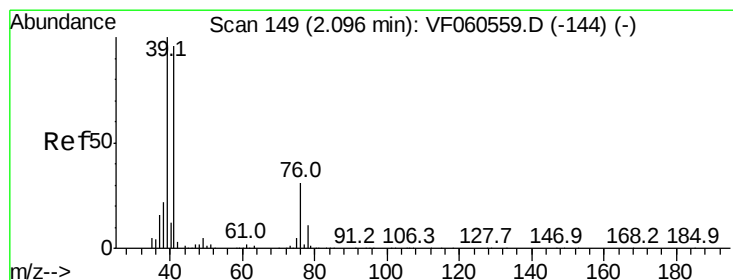
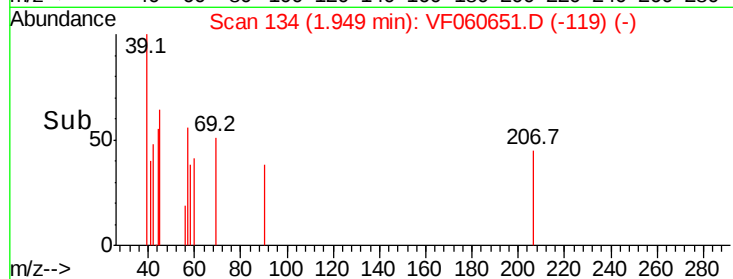
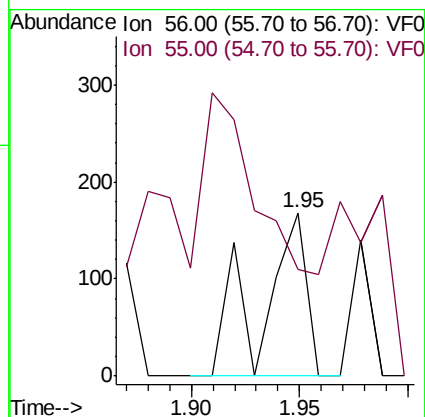
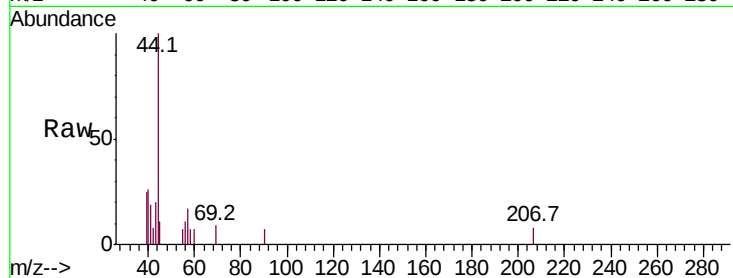
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 241

Ion Ratio Lower Upper

56 100

55 65.5 61.8 92.6



#14

Allyl chloride

Concen: 6.502 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.02 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

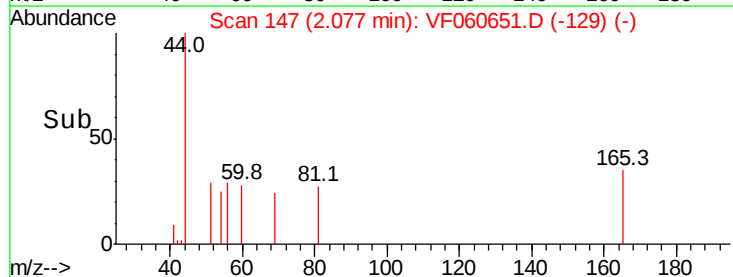
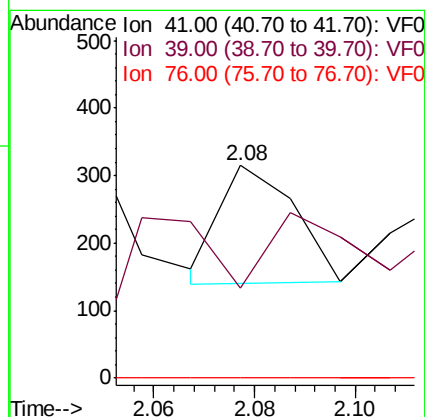
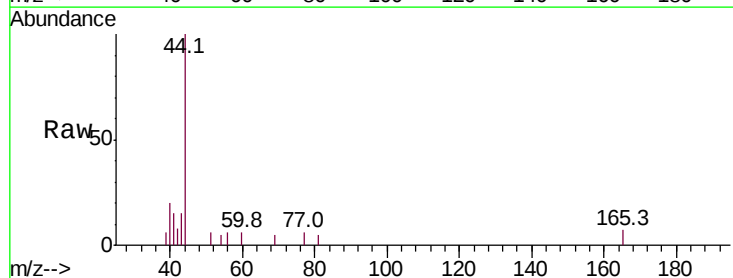
Tgt Ion: 41 Resp: 178

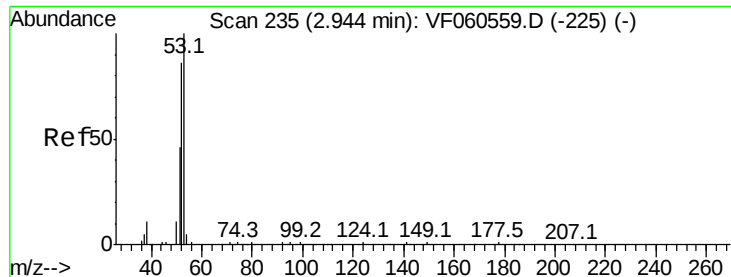
Ion Ratio Lower Upper

41 100

39 42.2 82.6 124.0#

76 0.0 26.7 40.1#





#15

Acrylonitrile

Concen: 22.669 ug/l

RT: 2.98 min Scan# 239

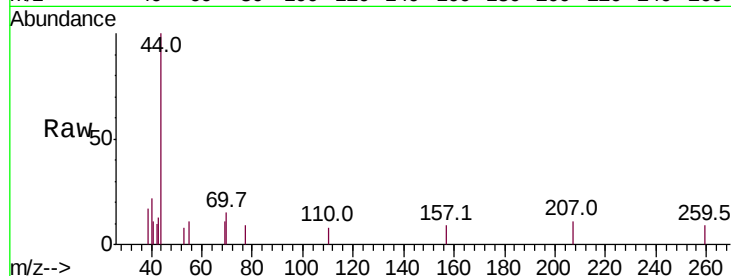
Delta R.T. 0.04 min

Lab File: VF060651.D

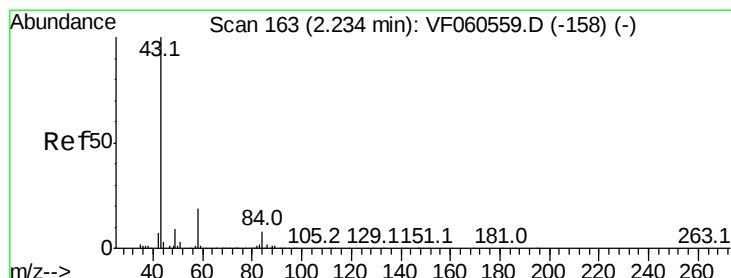
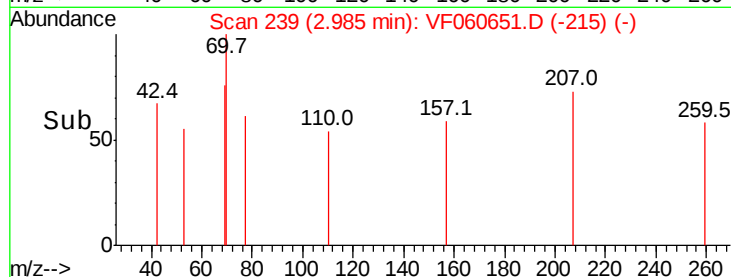
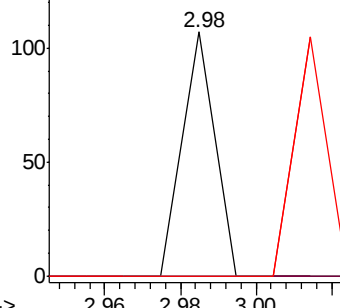
Acq: 8 Nov 2018 15:54

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	63
Ion	Ratio	Lower	Upper
53	100		
52	0.0	68.5	102.7#
51	0.0	38.2	57.2#



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: 99.546 ug/l

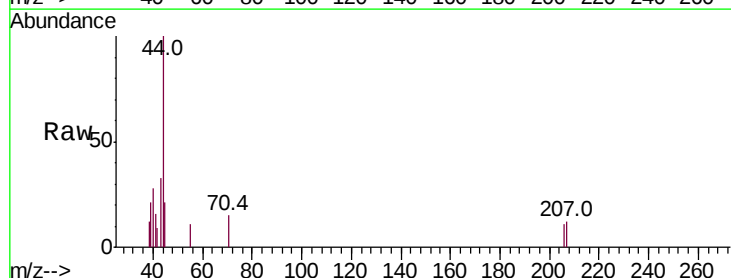
RT: 2.24 min Scan# 163

Delta R.T. 0.00 min

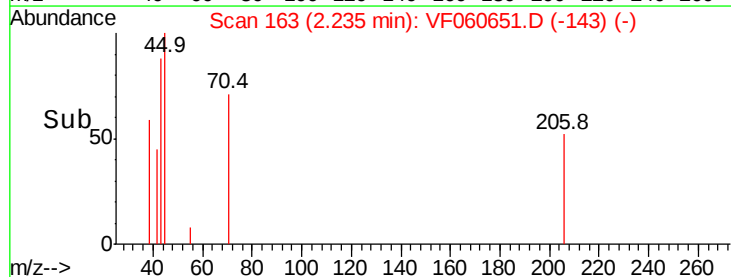
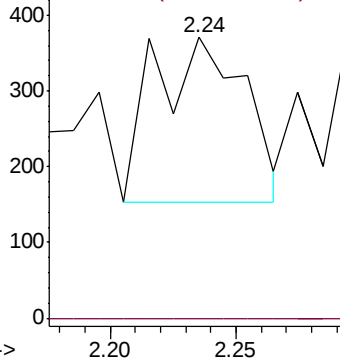
Lab File: VF060651.D

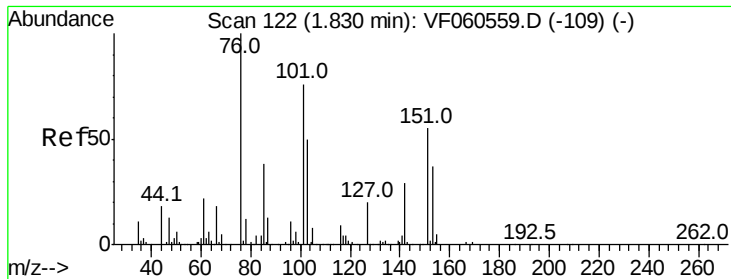
Acq: 8 Nov 2018 15:54

Tgt Ion:	43	Resp:	547
Ion	Ratio	Lower	Upper
43	100		
58	0.0	14.6	22.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 1.461 ug/l

RT: 1.80 min Scan# 119

Delta R.T. -0.03 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Instrument :

MSVOA_F

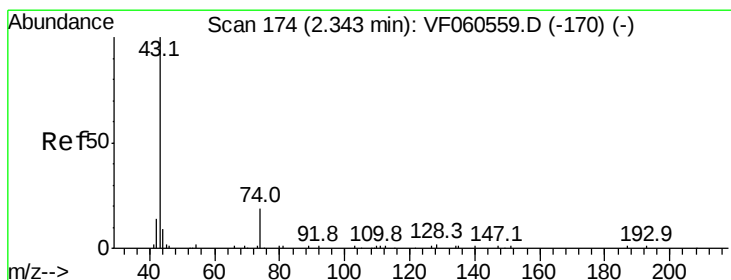
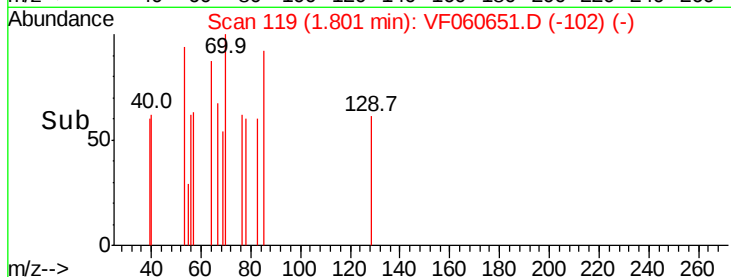
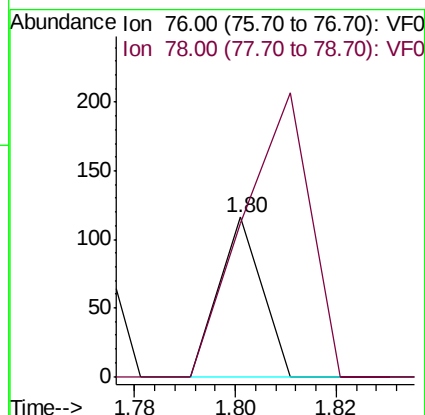
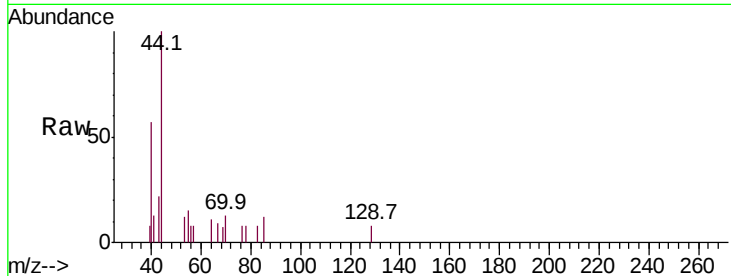
ClientSampleId :

Tot Ion: 76 Resp: 69

Ion Ratio Lower Upper

76 100

78 96.6 9.9 14.9#



#18

Methyl Acetate

Concen: 97.369 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.03 min

Lab File: VF060651.D

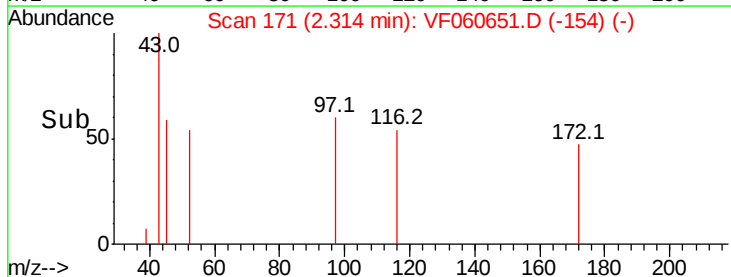
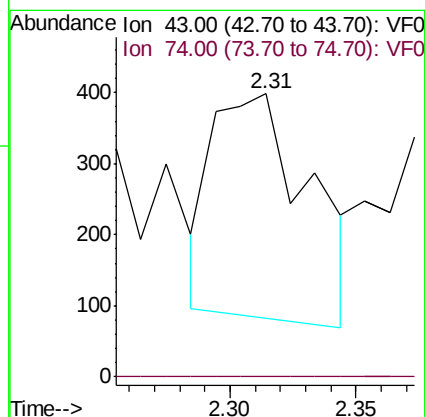
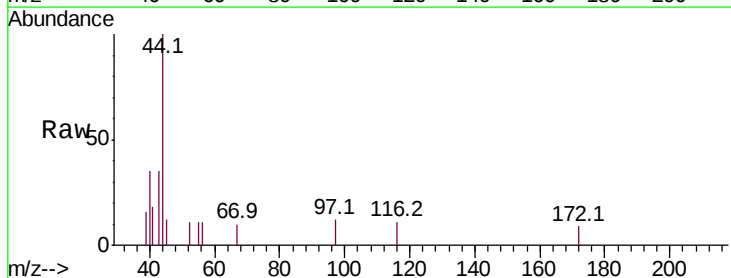
Acq: 8 Nov 2018 15:54

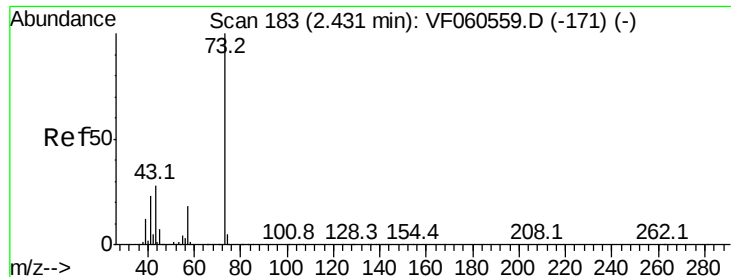
Tgt Ion: 43 Resp: 835

Ion Ratio Lower Upper

43 100

74 0.0 12.1 18.1#



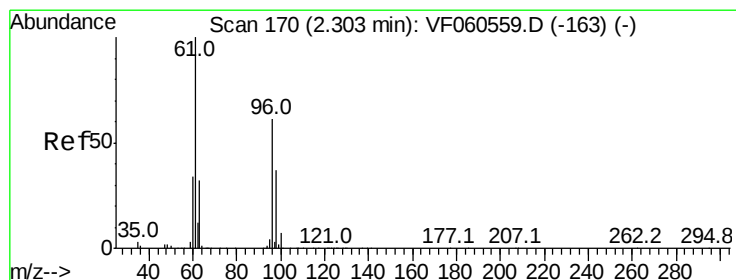
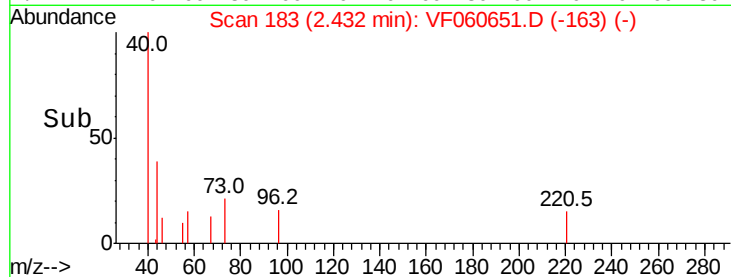
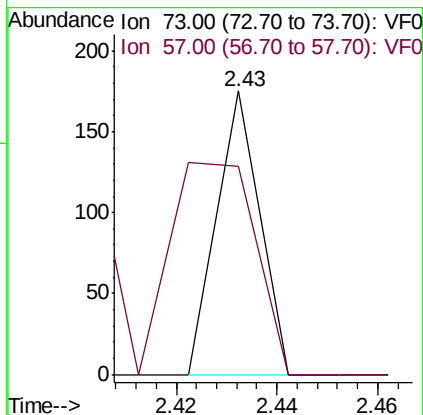
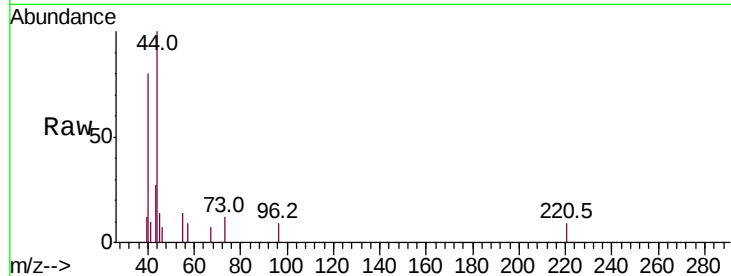


#19

Methvl tert-butvl Ether
 Concen: 2.653 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF060651.D
 Acq: 8 Nov 2018 15:54

Instrument :
 MSVOA_F
 ClientSampleId :

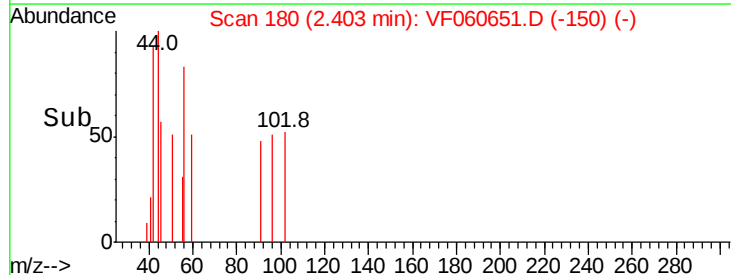
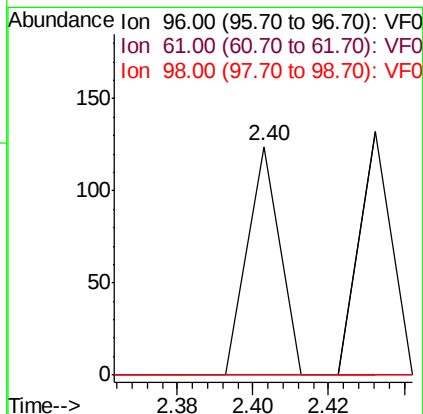
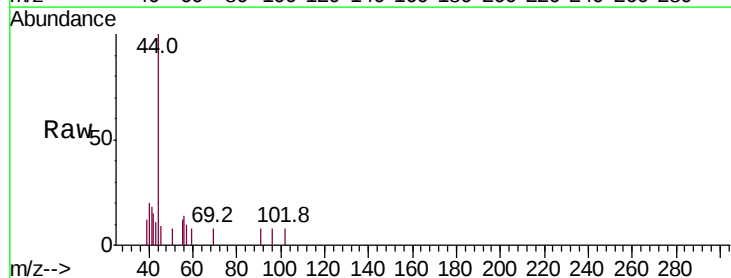
Tot Ion: 73 Resp: 104
 Ion Ratio Lower Upper
 73 100
 57 73.7 15.4 23.0#

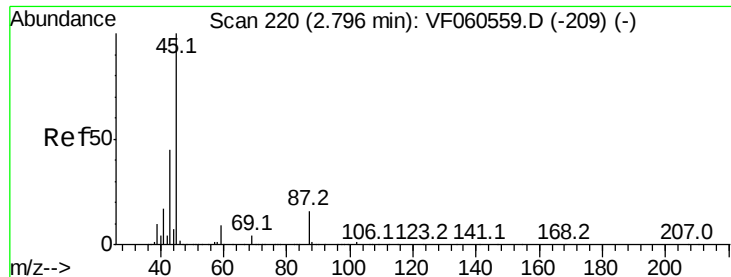


#21

trans-1,2-Dichloroethene
 Concen: 4.150 ug/l
 RT: 2.40 min Scan# 180
 Delta R.T. 0.10 min
 Lab File: VF060651.D
 Acq: 8 Nov 2018 15:54

Tgt Ion: 96 Resp: 73
 Ion Ratio Lower Upper
 96 100
 61 0.0 131.3 196.9#
 98 0.0 48.6 73.0#

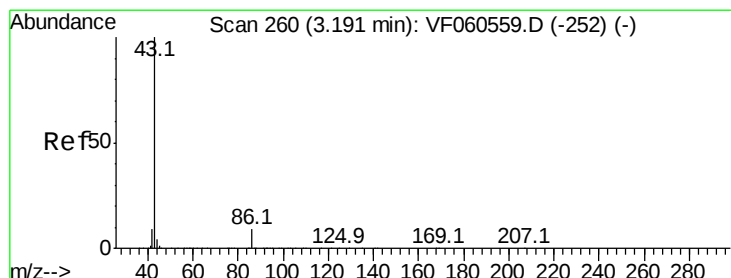
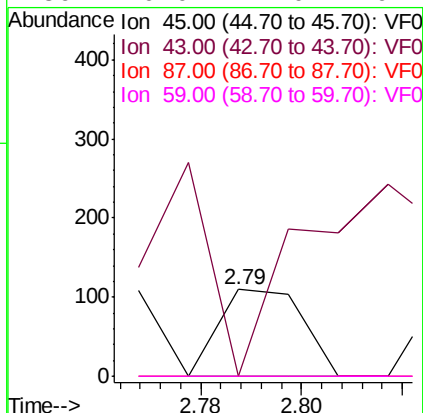
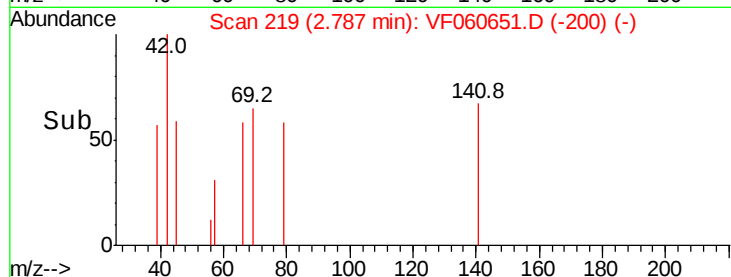
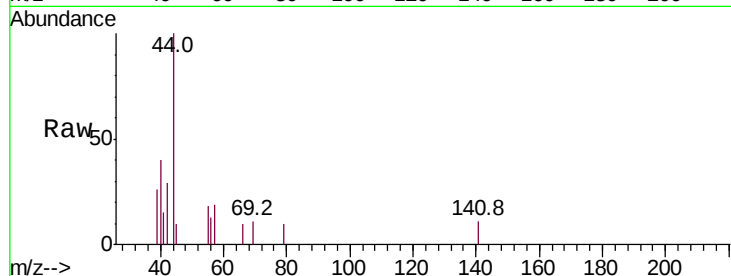




#22
Diisopropyl ether
Concen: 2.172 ug/l
RT: 2.79 min Scan# 219
Delta R.T. -0.01 min
Lab File: VF060651.D
Acq: 8 Nov 2018 15:54

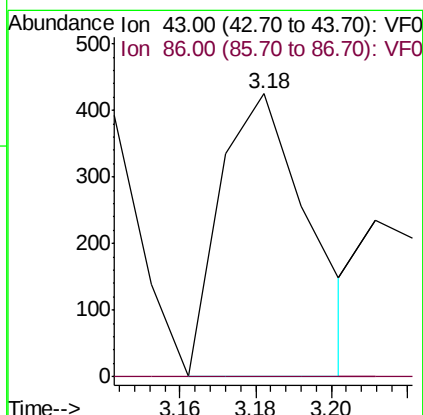
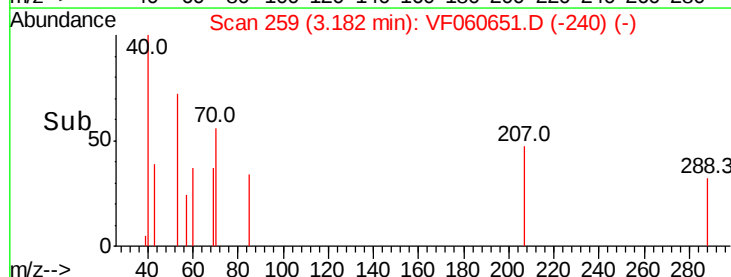
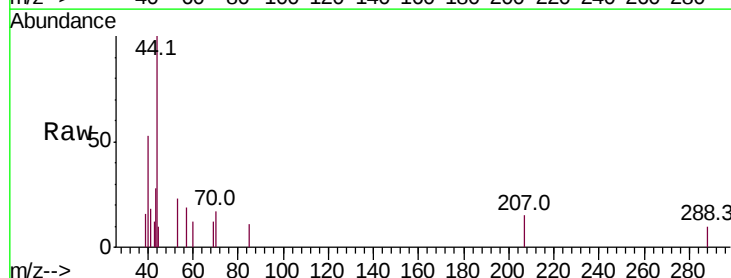
Instrument :
MSVOA_F
ClientSampled :

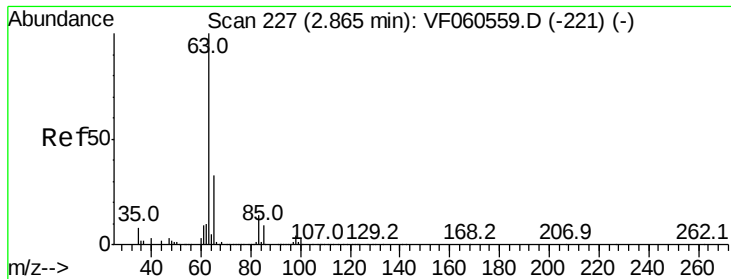
Tot Ion:	45	Resp:	126
Ion	Ratio	Lower	Upper
45	100		
43	0.0	38.1	57.1#
87	0.0	12.7	19.1#
59	0.0	7.0	10.4#



#23
Vinyl Acetate
Concen: 19.798 ug/l
RT: 3.18 min Scan# 259
Delta R.T. -0.01 min
Lab File: VF060651.D
Acq: 8 Nov 2018 15:54

Tgt Ion:	43	Resp:	690
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.1	10.7#





#24

1,1-Dichloroethane

Concen: 5.839 ug/l

RT: 2.88 min Scan# 228

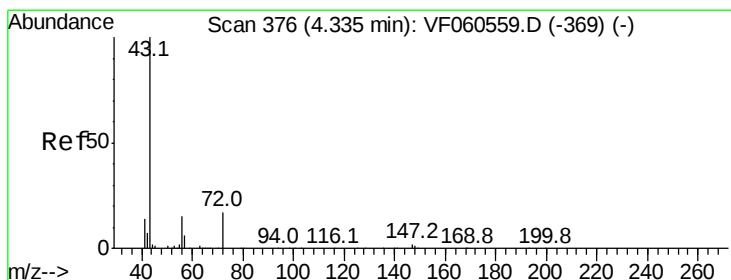
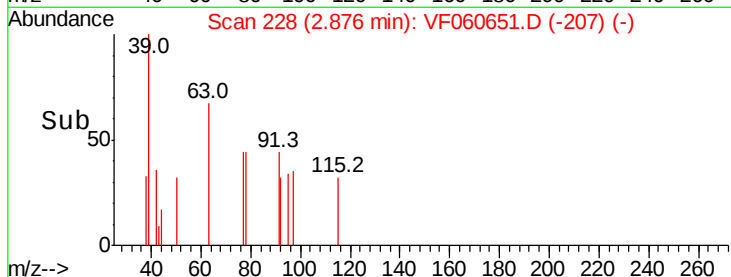
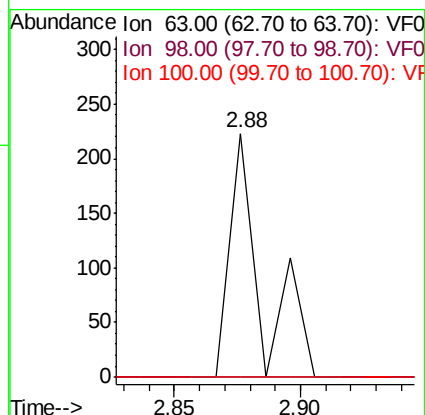
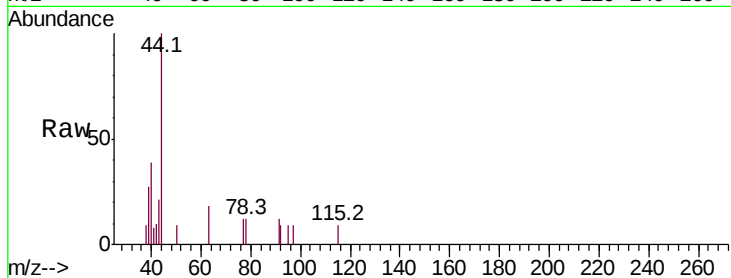
Delta R.T. 0.01 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	63	Resp:	196
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.2	6.6#
100	0.0	1.4	4.0#



#25

2-Butanone

Concen: 7.842 ug/l

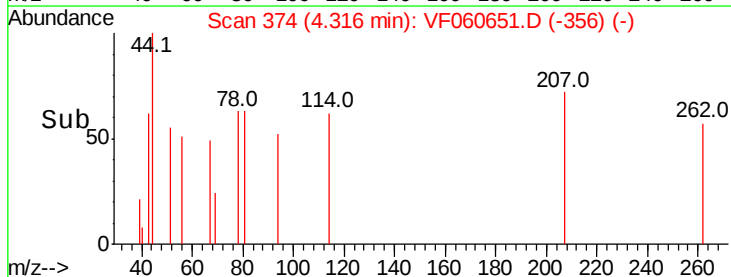
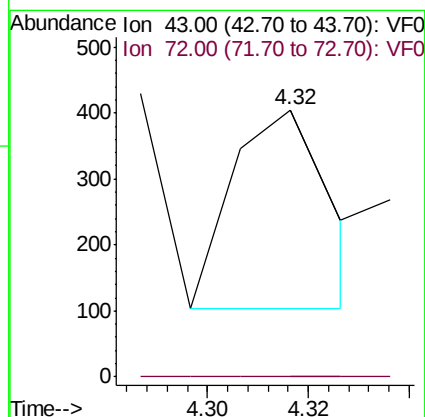
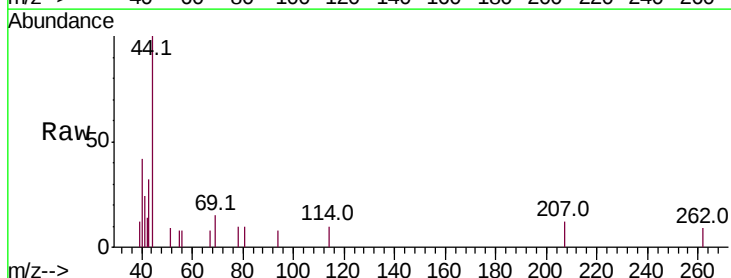
RT: 4.32 min Scan# 374

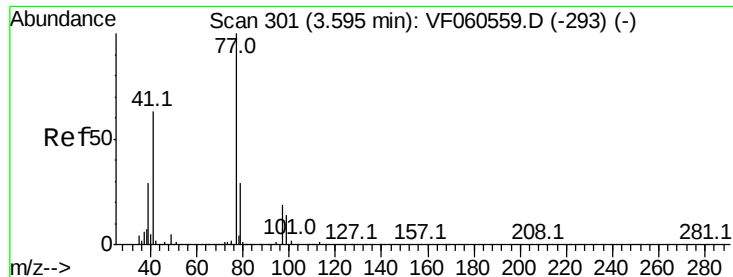
Delta R.T. -0.02 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Tgt Ion:	43	Resp:	402
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.2	24.2#





#26

2,2-Dichloropropane

Concen: 11.426 ug/l

RT: 3.56 min Scan# 297

Delta R.T. -0.04 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

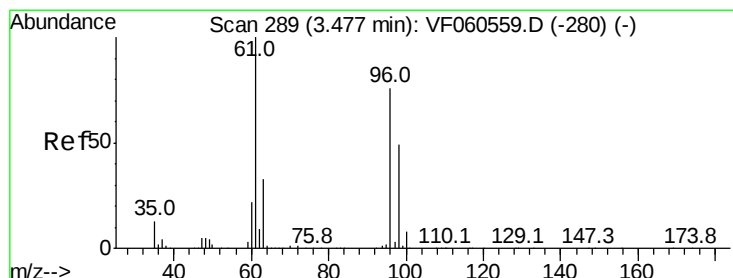
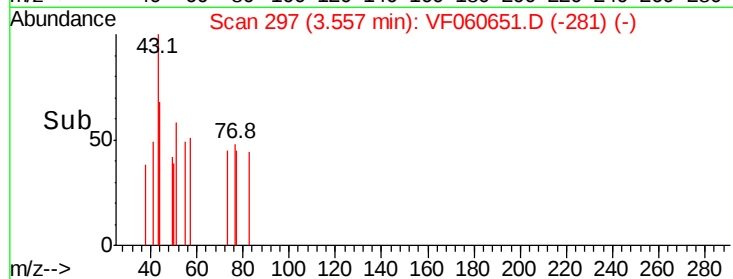
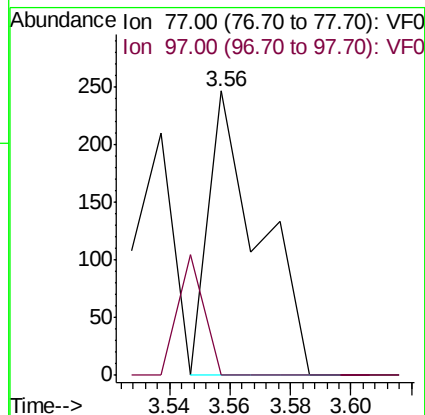
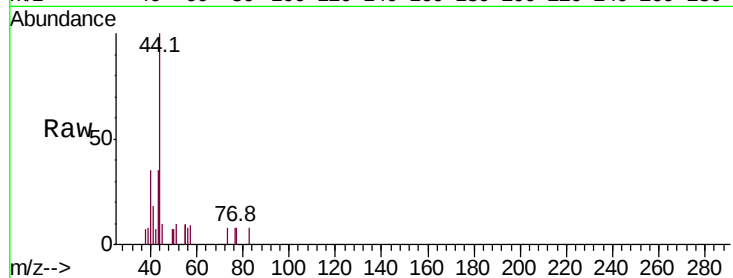
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 77 Resp: 287

Ion Ratio Lower Upper

77 100

97 0.0 9.8 29.3#



#27

cis-1,2-Dichloroethene

Concen: 2.055 ug/l

RT: 3.46 min Scan# 287

Delta R.T. -0.02 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

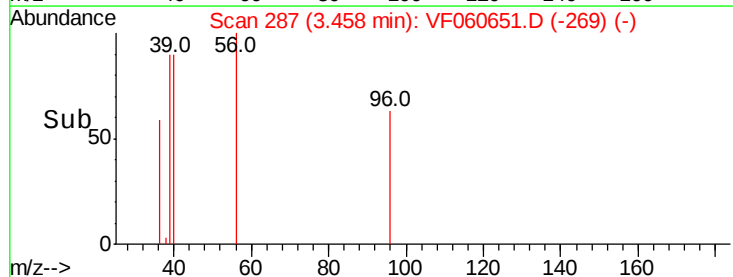
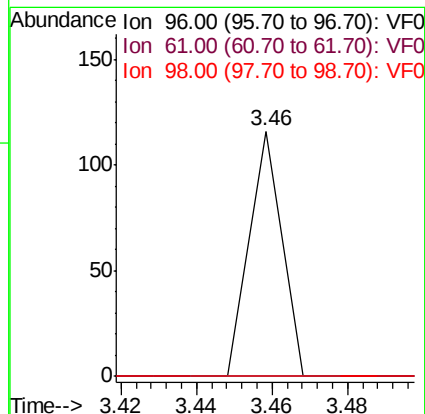
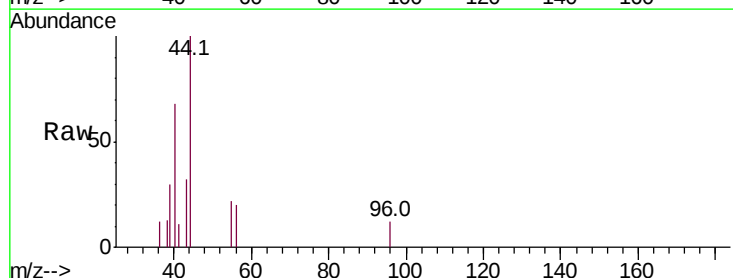
Tgt Ion: 96 Resp: 69

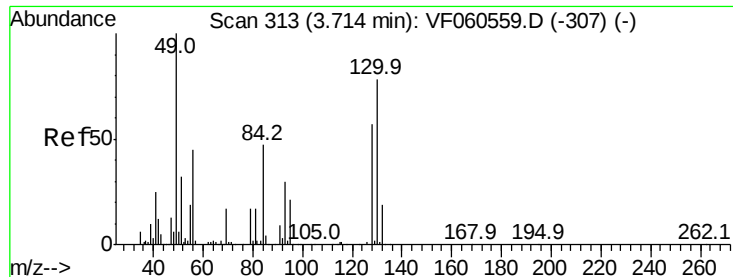
Ion Ratio Lower Upper

96 100

61 0.0 0.0 263.0

98 0.0 0.0 130.6





#28

Bromochloromethane

Concen: 3.133 ug/l

RT: 3.56 min Scan# 297

Delta R.T. -0.16 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

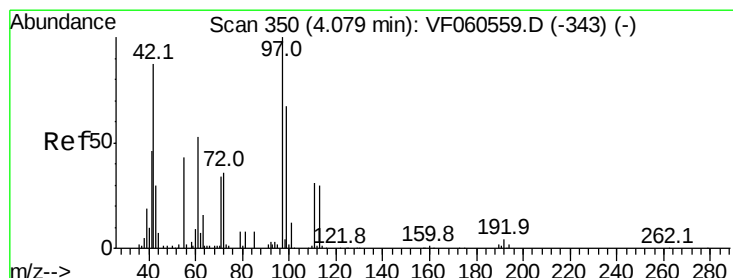
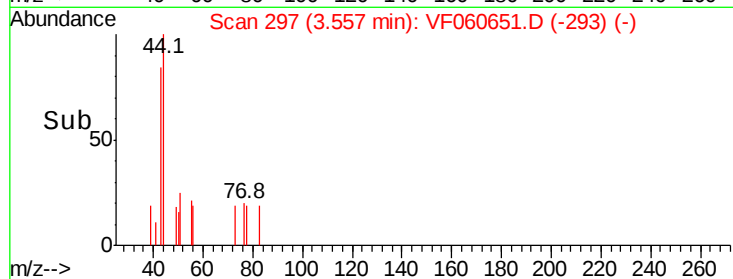
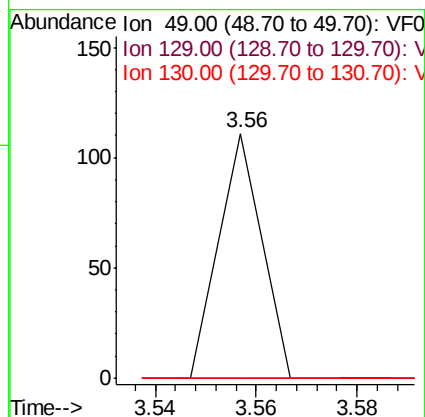
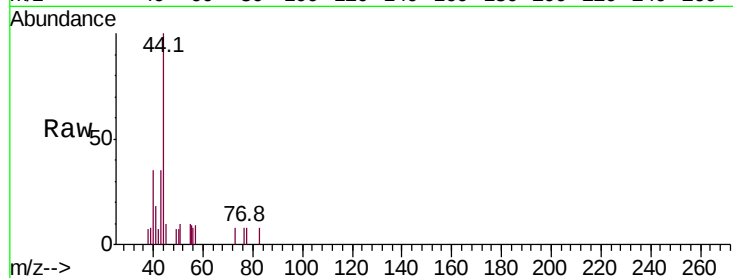
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 49 Resp: 66

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	0.0	61.8	92.8#



#29

Tetrahydrofuran

Concen: 58.423 ug/l

RT: 4.11 min Scan# 353

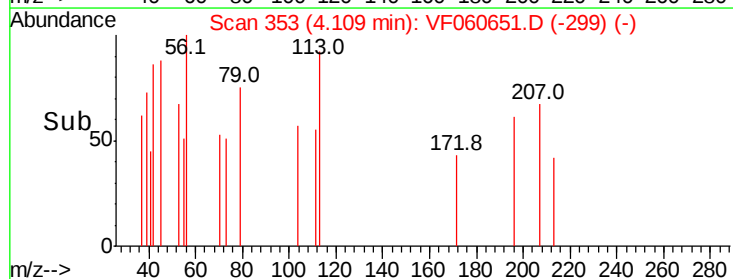
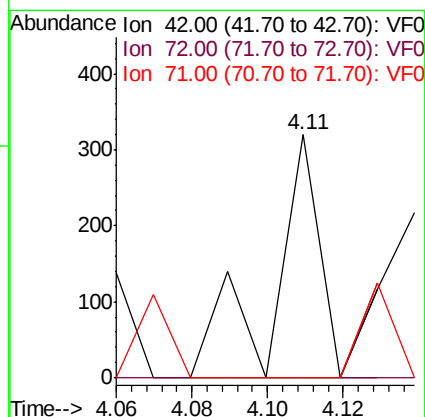
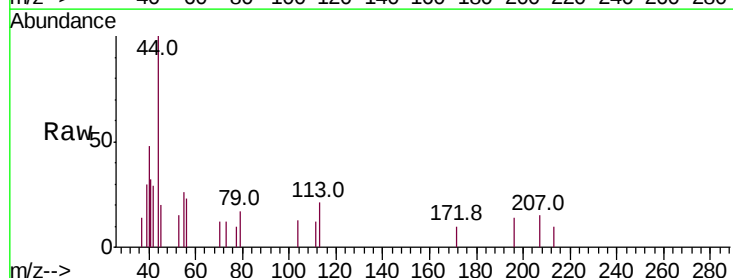
Delta R.T. 0.03 min

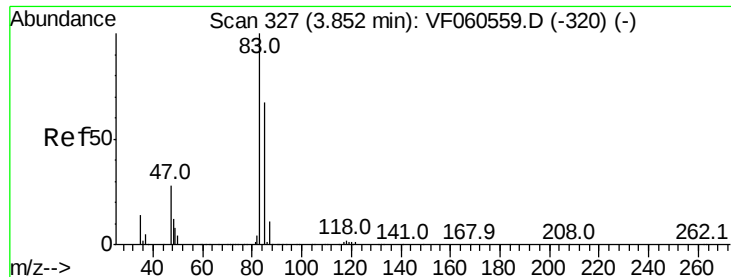
Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Tgt Ion: 42 Resp: 272

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.0#
71	26.8	31.8	47.6#

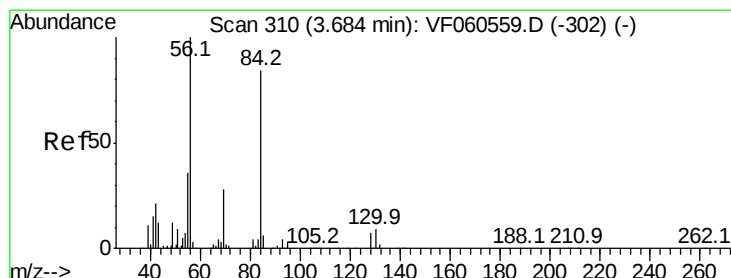
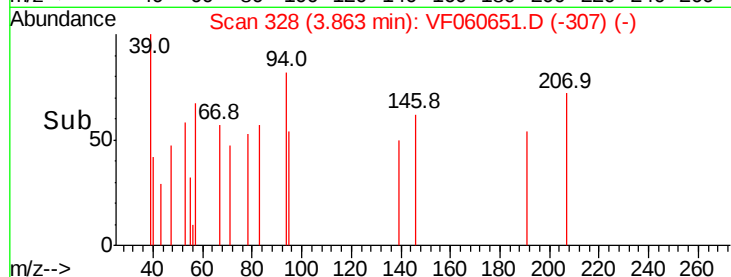
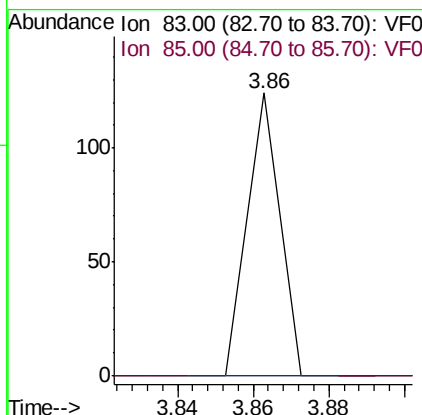
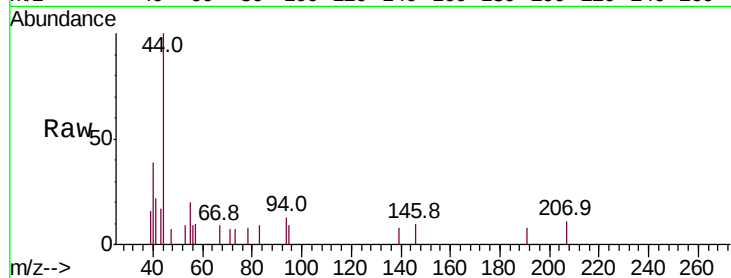




#30
Chloroform
Concen: 1.374 ug/l
RT: 3.86 min Scan# 328
Delta R.T. 0.01 min
Lab File: VF060651.D
Acq: 8 Nov 2018 15:54

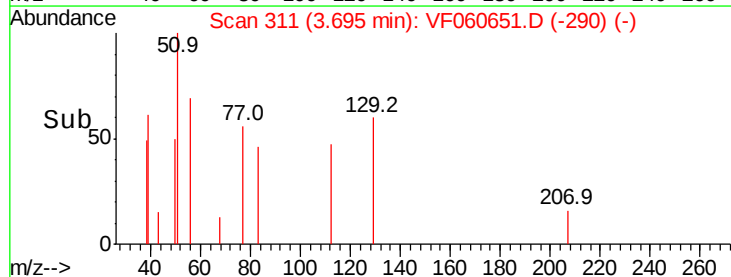
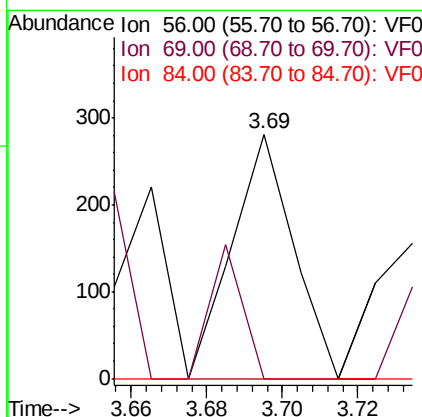
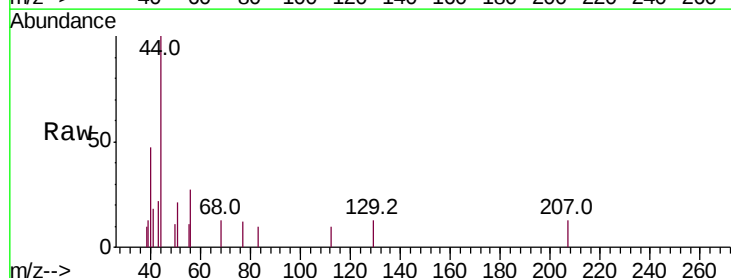
Instrument :
MSVOA_F
ClientSampled :

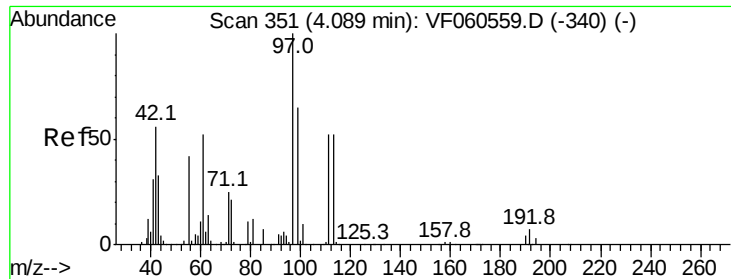
Tot Ion: 83 Resp: 73
Ion Ratio Lower Upper
83 100
85 0.0 53.7 80.5#



#31
Cyclohexane
Concen: 6.800 ug/l
RT: 3.69 min Scan# 311
Delta R.T. 0.01 min
Lab File: VF060651.D
Acq: 8 Nov 2018 15:54

Tgt Ion: 56 Resp: 315
Ion Ratio Lower Upper
56 100
69 0.0 23.0 34.4#
84 0.0 67.1 100.7#





#32

1,1,1-Trichloroethane

Concen: 1.752 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Instrument :

MSVOA_F

ClientSampled :

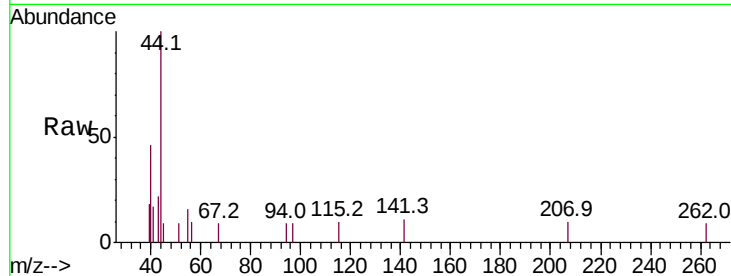
Tot Ion: 97 Resp: 65

Ion Ratio Lower Upper

97 100

99 0.0 52.4 78.6#

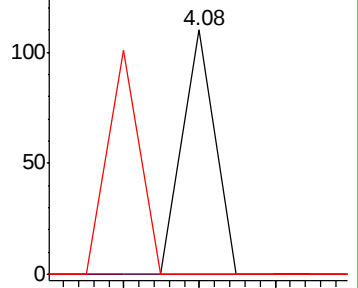
61 0.0 41.5 62.3#



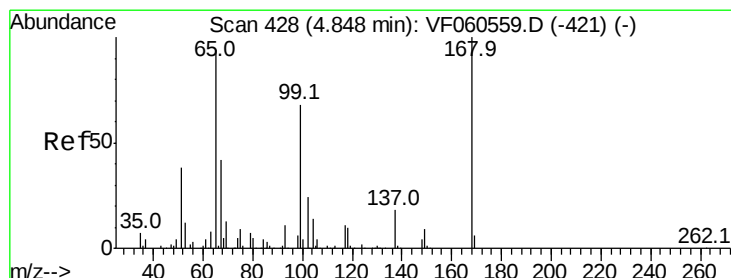
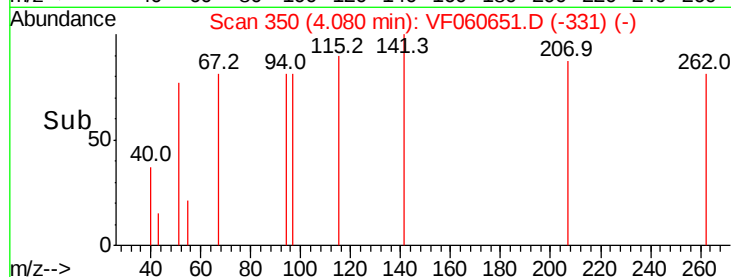
Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



Time-->



#33

1,2-Dichloroethane-d4

Concen: 18.954 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.03 min

Lab File: VF060651.D

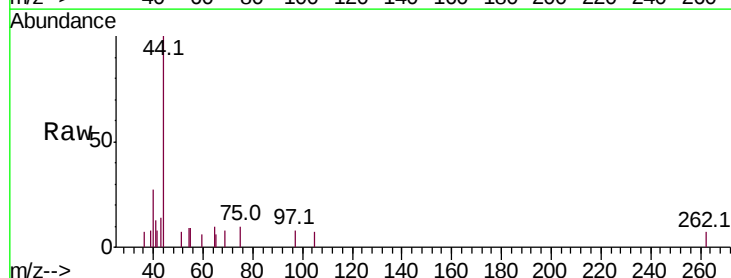
Acq: 8 Nov 2018 15:54

Tgt Ion: 65 Resp: 442

Ion Ratio Lower Upper

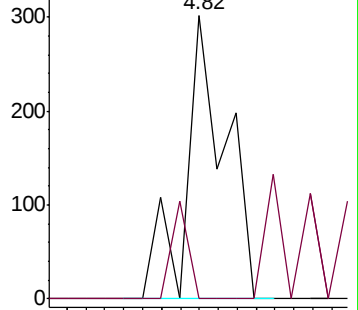
65 100

67 0.0 0.0 101.8

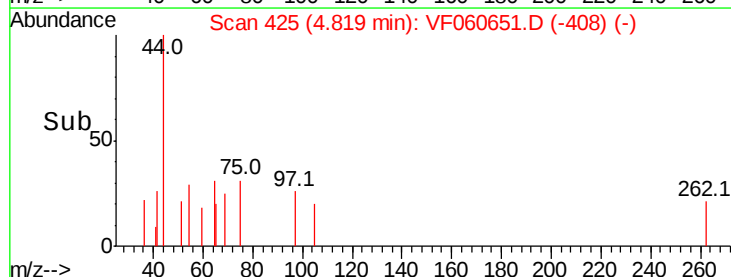


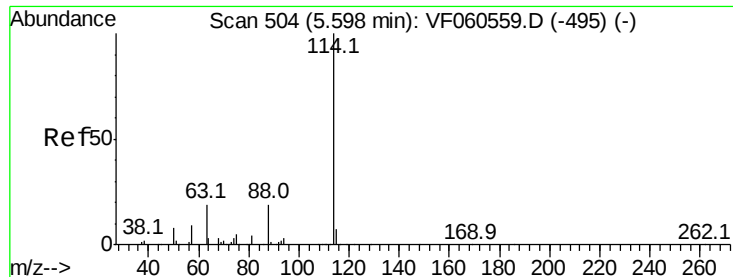
Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.00 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Instrument :
MSVOA_F
ClientSampled :

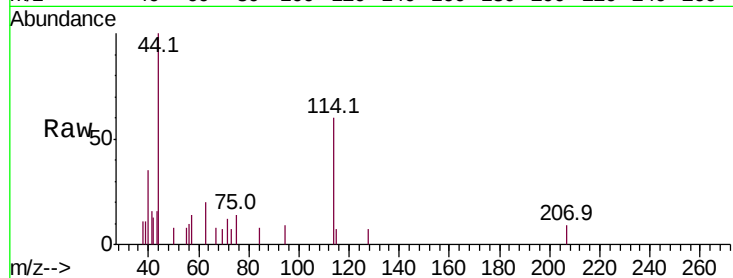
Tot Ion:114 Resp: 2495

Ion Ratio Lower Upper

114 100

63 33.3 0.0 39.0

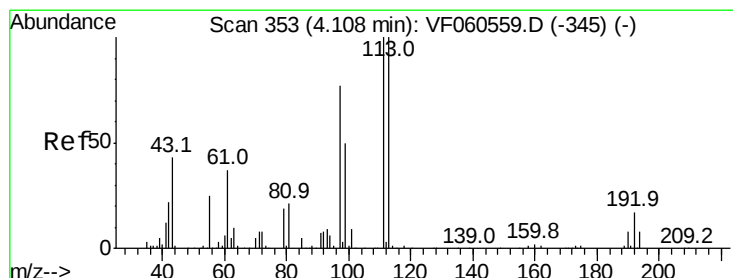
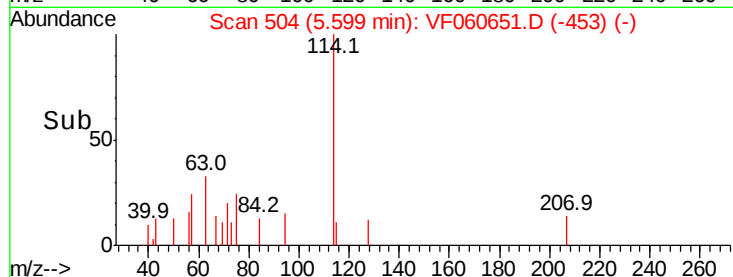
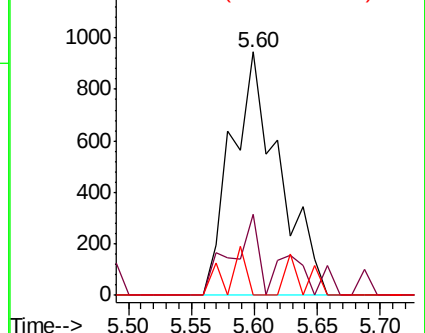
88 0.0 0.0 38.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 24.434 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

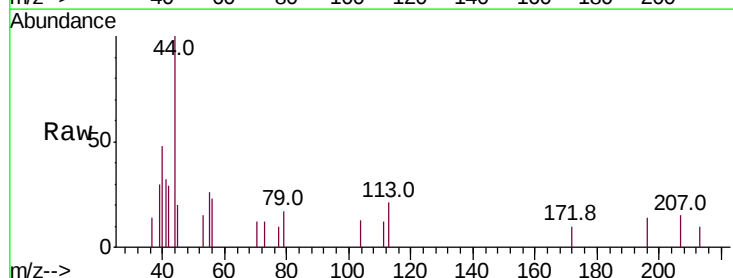
Tgt Ion:113 Resp: 471

Ion Ratio Lower Upper

113 100

111 60.1 79.9 119.9#

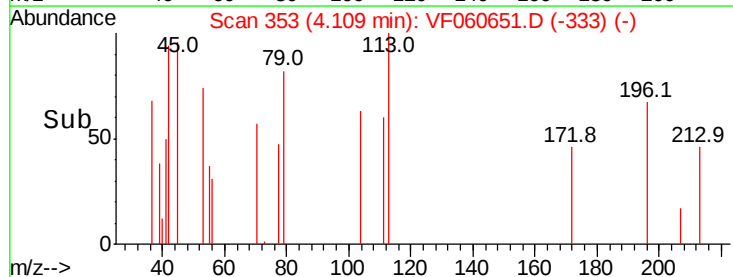
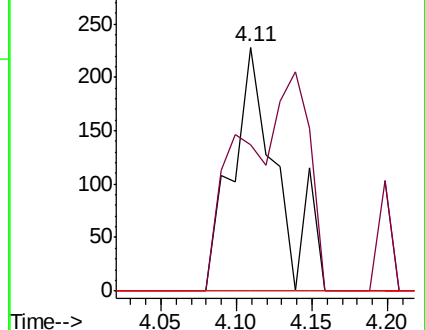
192 0.0 13.3 19.9#

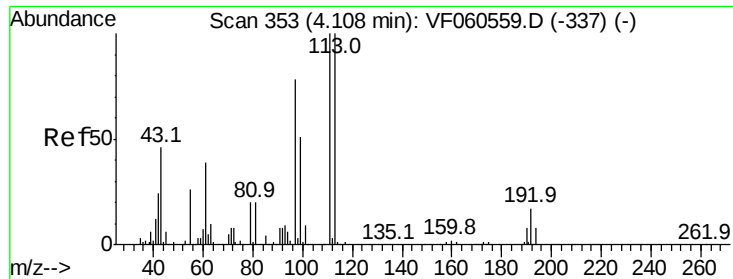


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

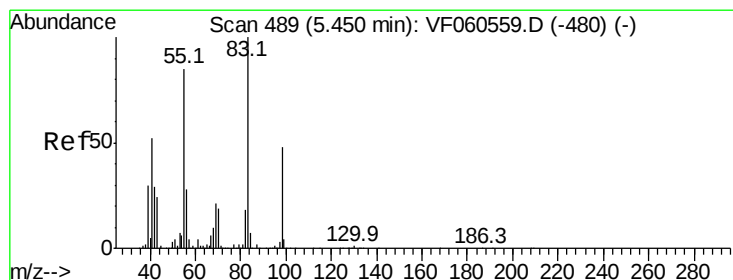
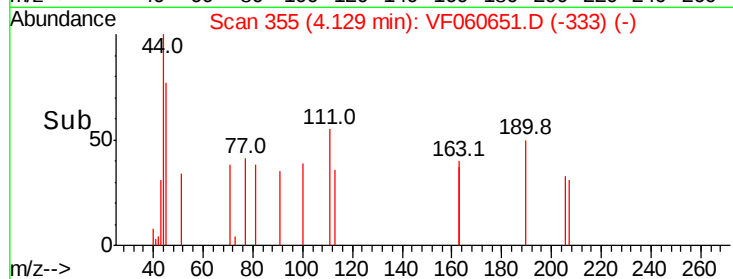
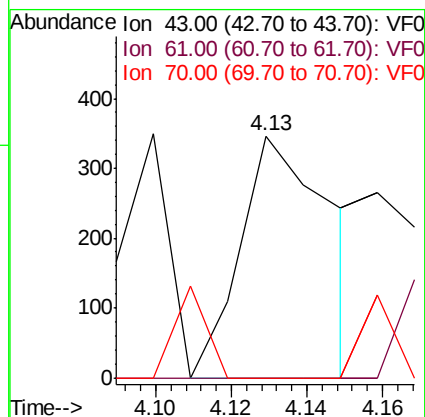
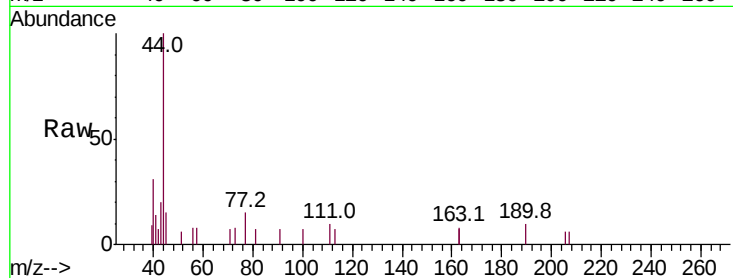




#37
Ethyl Acetate
Concen: 43.830 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.02 min
Lab File: VF060651.D
Acq: 8 Nov 2018 15:54

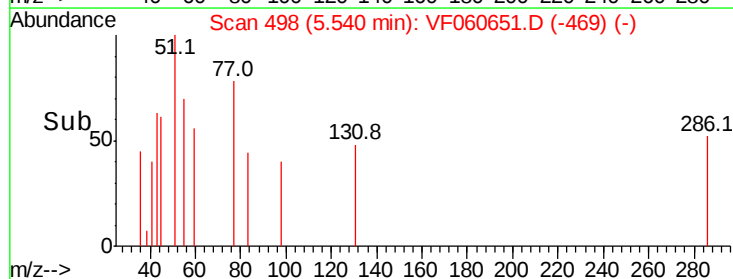
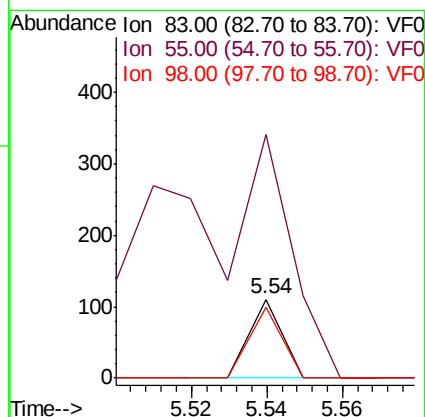
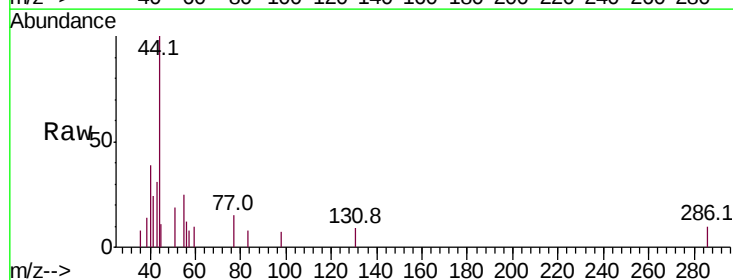
Instrument :
MSVOA_F
ClientSampled :

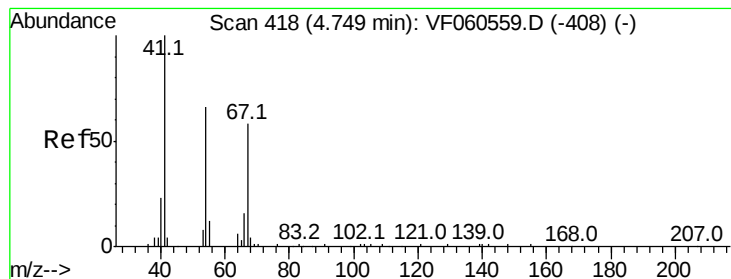
Tot Ion: 43 Resp: 578
Ion Ratio Lower Upper
43 100
61 0.0 63.4 95.2#
70 0.0 9.3 13.9#



#39
Methylcyclohexane
Concen: 1.939 ug/l
RT: 5.54 min Scan# 498
Delta R.T. 0.09 min
Lab File: VF060651.D
Acq: 8 Nov 2018 15:54

Tgt Ion: 83 Resp: 65
Ion Ratio Lower Upper
83 100
55 310.0 69.1 103.7#
98 90.9 38.6 57.8#





#41

Methacrylonitrile

Concen: 51.284 ug/l

RT: 4.69 min Scan# 412

Delta R.T. -0.06 min

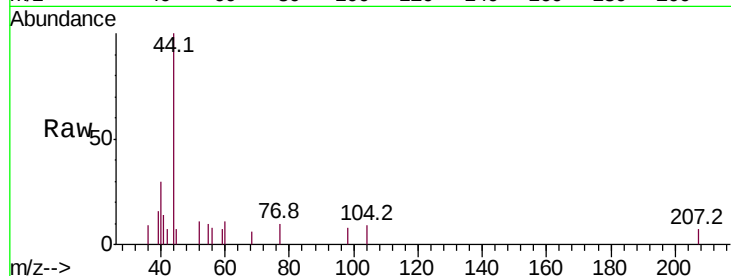
Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

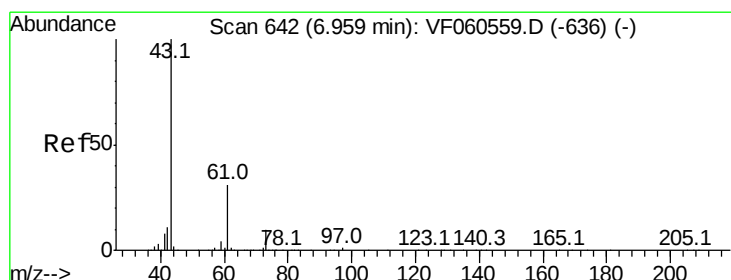
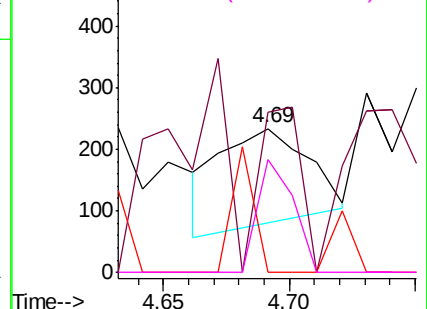
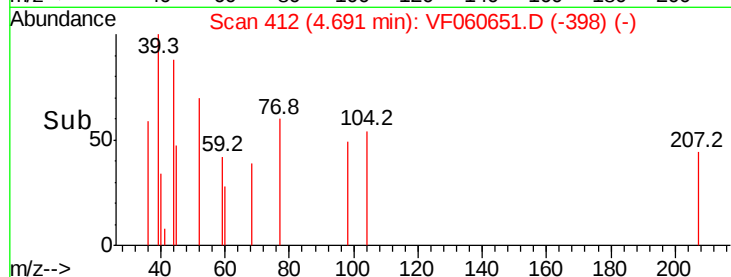
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 41 Resp: 383

Ion	Ratio	Lower	Upper
41	100		
39	111.5	45.6	68.4#
67	0.0	45.3	67.9#
52	78.2	29.6	44.4#



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



#43

Isopropyl Acetate

Concen: 45.741 ug/l

RT: 6.93 min Scan# 639

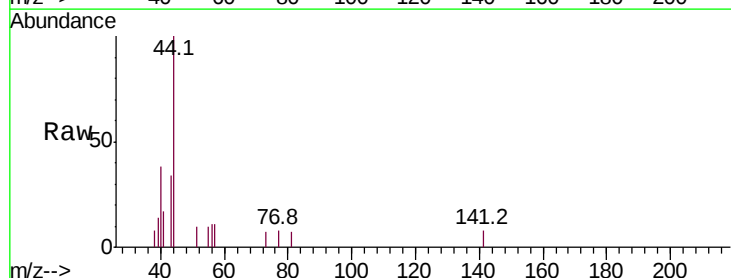
Delta R.T. -0.03 min

Lab File: VF060651.D

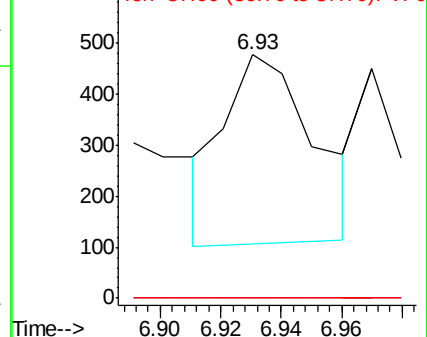
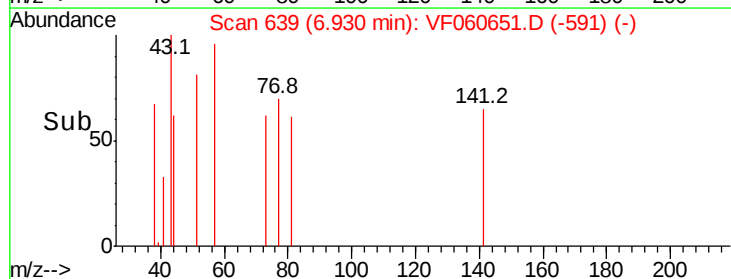
Acq: 8 Nov 2018 15:54

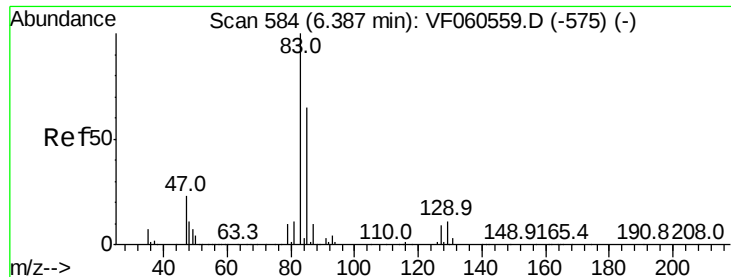
Tgt Ion: 43 Resp: 763

Ion	Ratio	Lower	Upper
43	100		
61	0.0	24.2	36.2#
87	0.0	0.2	0.4#



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





#47

Bromodichloromethane

Concen: 2.567 ug/l

RT: 6.38 min Scan# 583

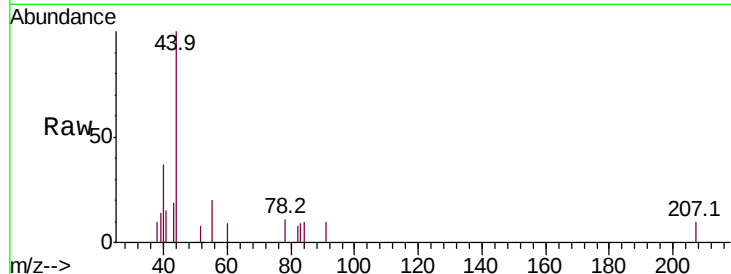
Delta R.T. -0.01 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

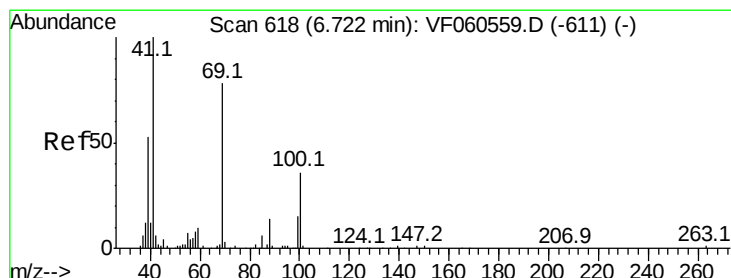
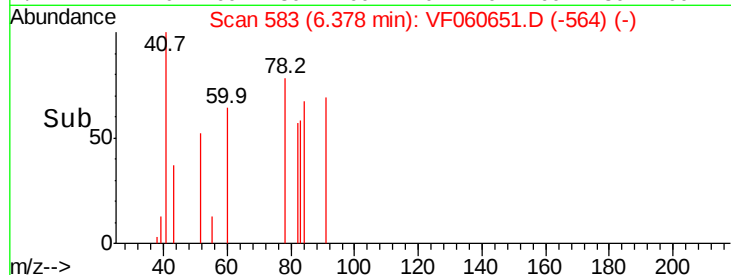
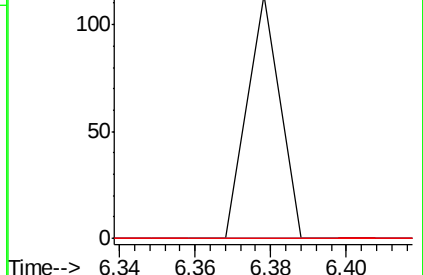
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	83	Resp:	67
Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#
127	0.0	7.0	10.4#



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

6.38



#48

Methyl methacrylate

Concen: 31.096 ug/l

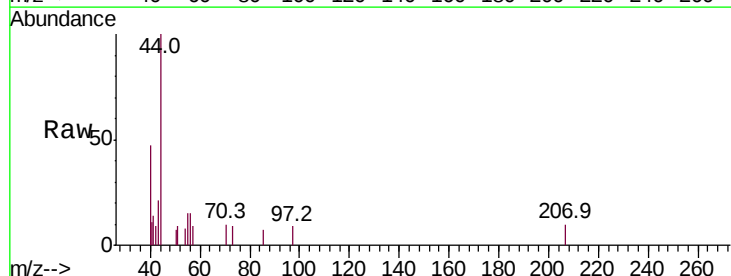
RT: 6.75 min Scan# 621

Delta R.T. 0.03 min

Lab File: VF060651.D

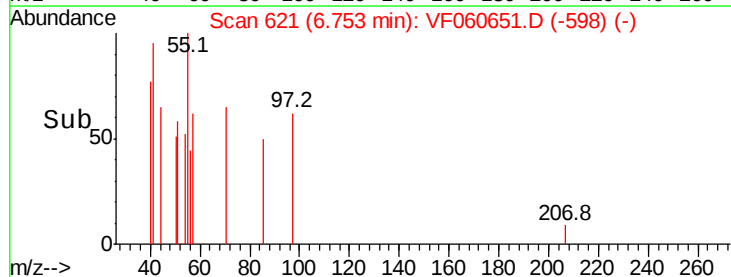
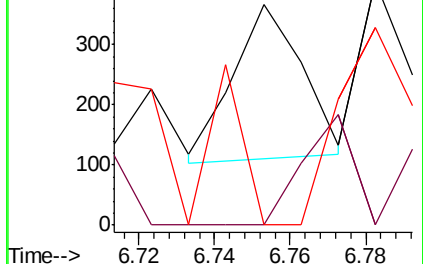
Acq: 8 Nov 2018 15:54

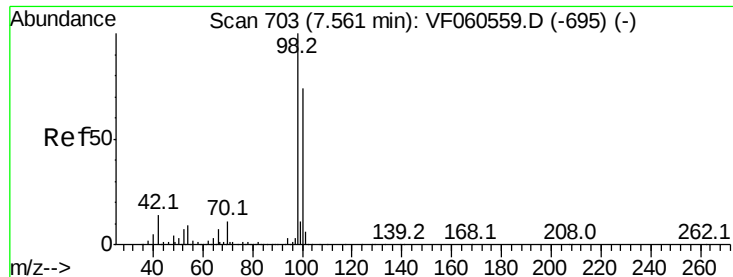
Tgt Ion:	41	Resp:	326
Ion	Ratio	Lower	Upper
41	100		
69	0.0	61.1	91.7#
39	0.0	43.0	64.6#



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

6.75





#50

Toluene-d8

Concen: 22.311 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

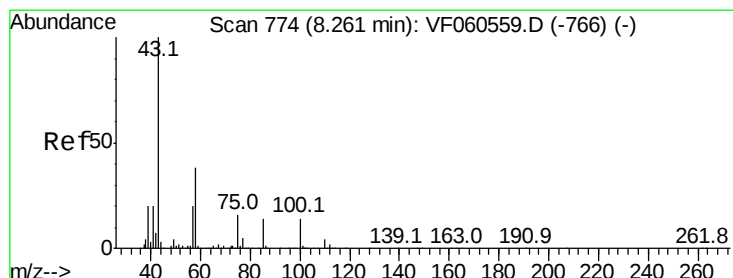
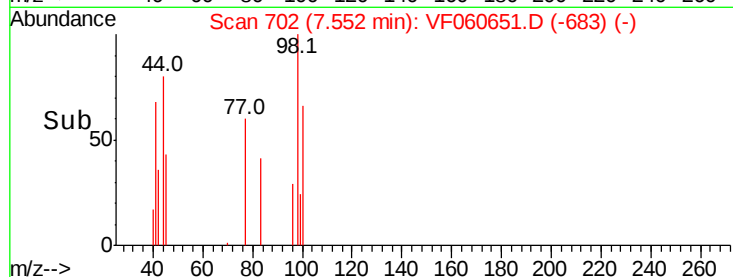
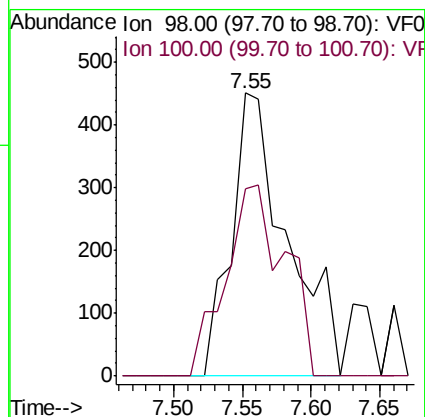
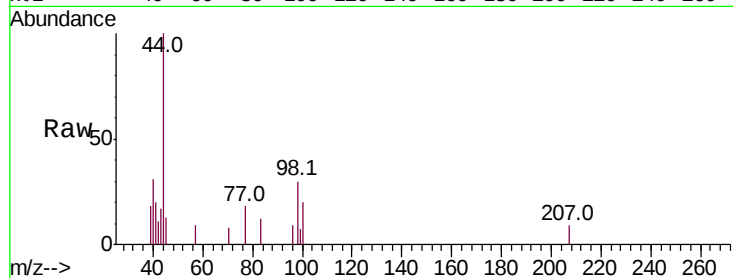
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 98 Resp: 1274

Ion Ratio Lower Upper

98 100

100 66.1 59.4 89.2



#51

4-Methyl-2-Pentanone

Concen: 60.798 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF060651.D

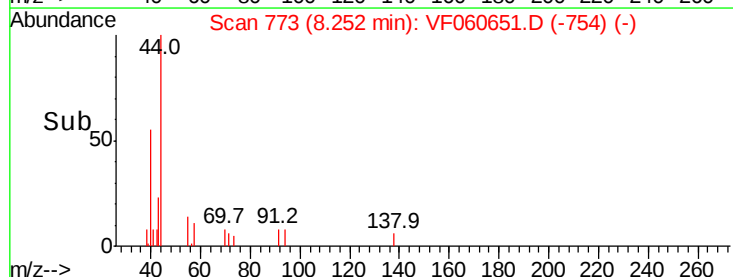
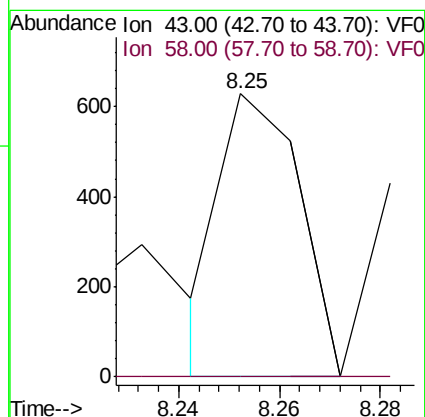
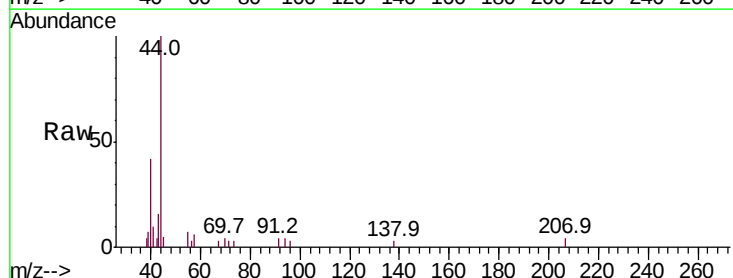
Acq: 8 Nov 2018 15:54

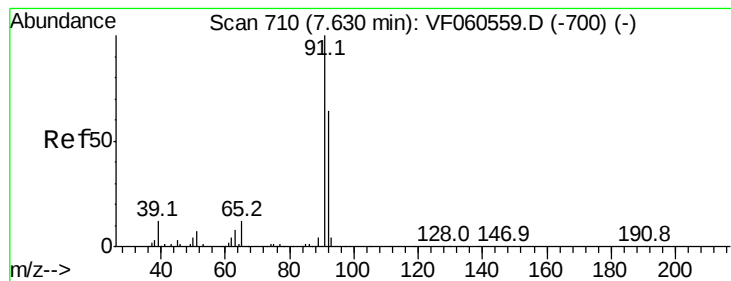
Tgt Ion: 43 Resp: 682

Ion Ratio Lower Upper

43 100

58 0.0 30.1 45.1#





#52

Toluene

Concen: 1.381 ug/l

RT: 7.72 min Scan# 719

Delta R.T. 0.09 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Instrument :

MSVOA_F

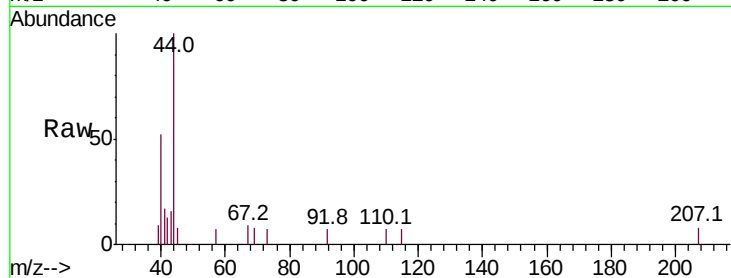
ClientSampleId :

Tot Ion: 92 Resp: 60

Ion Ratio Lower Upper

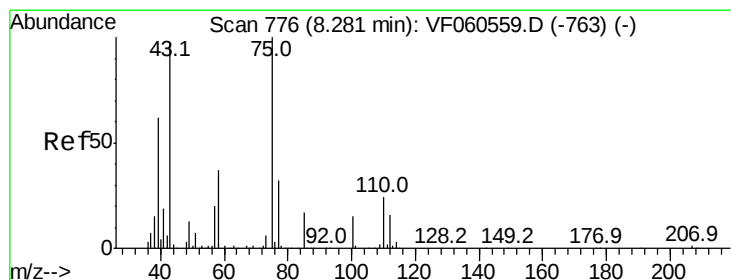
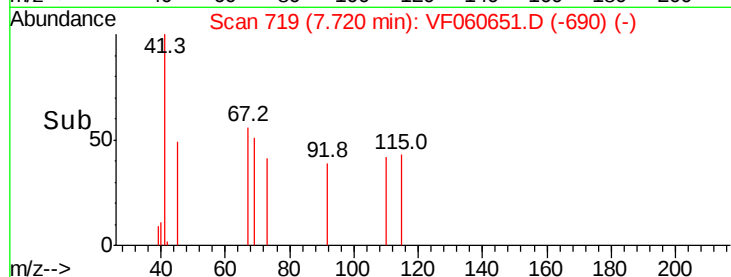
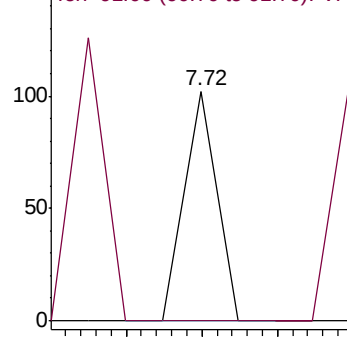
92 100

91 0.0 124.5 186.7#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#53

t-1,3-Dichloropropene

Concen: 3.659 ug/l

RT: 8.37 min Scan# 785

Delta R.T. 0.09 min

Lab File: VF060651.D

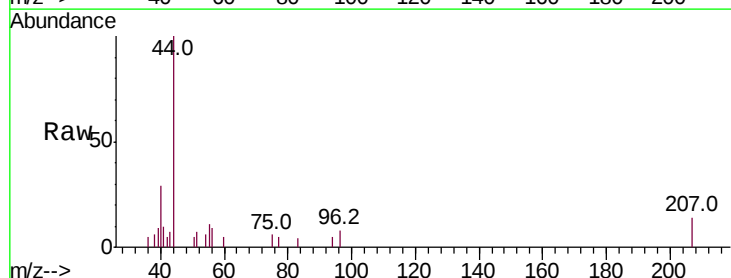
Acq: 8 Nov 2018 15:54

Tgt Ion: 75 Resp: 83

Ion Ratio Lower Upper

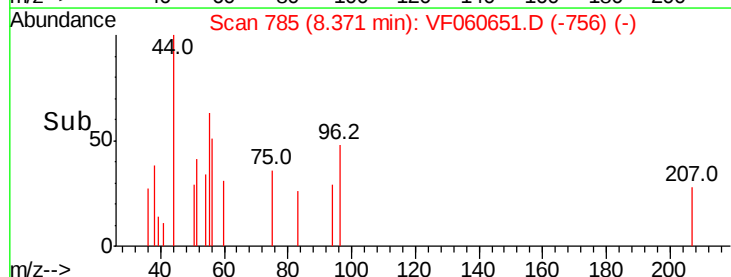
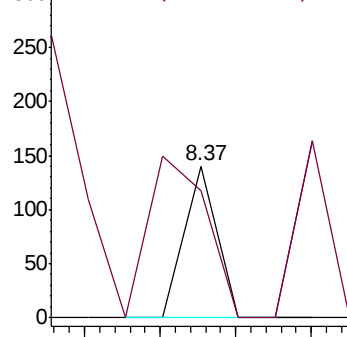
75 100

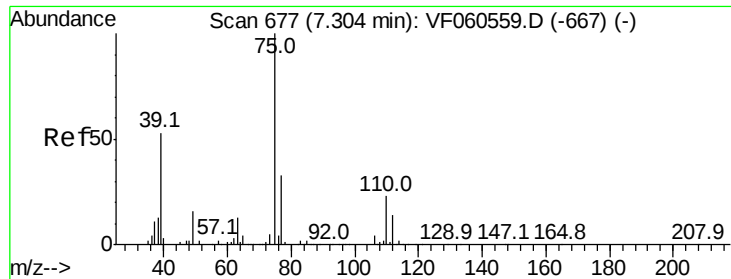
77 83.6 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



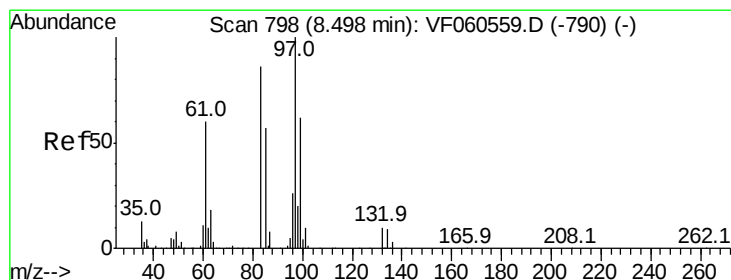
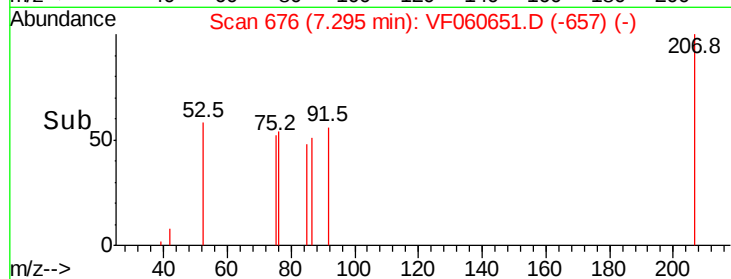
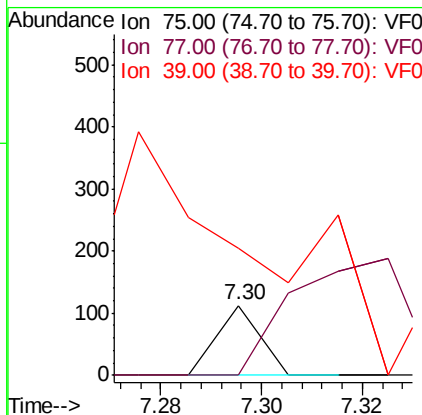
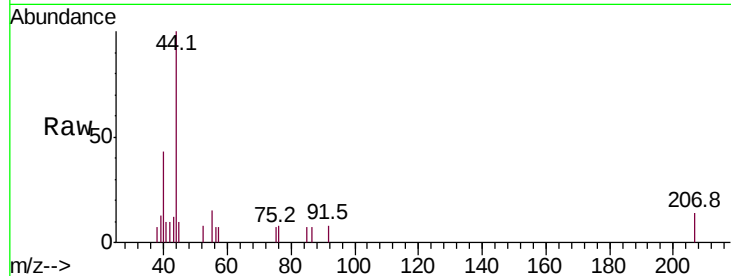


#54

cis-1,3-Dichloropropene
 Concen: 2.303 ug/l
 RT: 7.30 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: VF060651.D
 Acq: 8 Nov 2018 15:54

Instrument :
 MSVOA_F
 ClientSampleId :

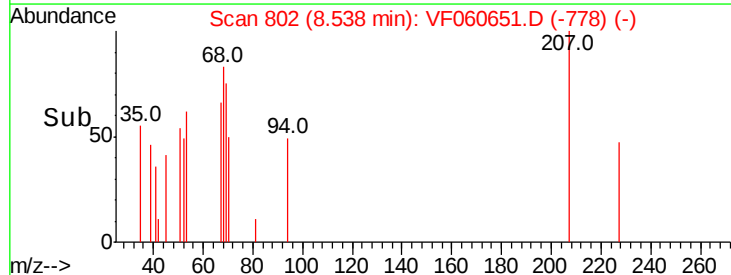
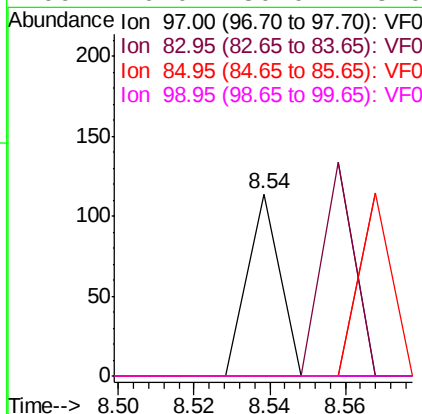
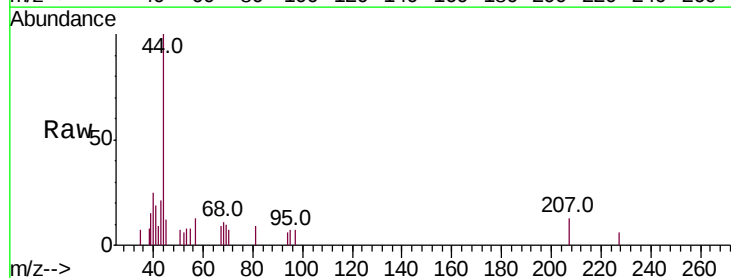
Tot Ion: 75 Resp: 66
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.7 40.1#
 39 182.1 43.0 64.4#

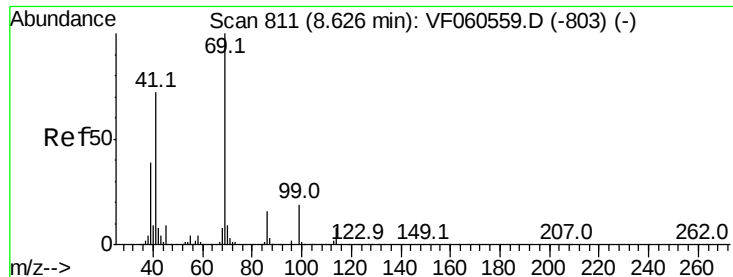


#55

1,1,2-Trichloroethane
 Concen: 5.300 ug/l
 RT: 8.54 min Scan# 802
 Delta R.T. 0.04 min
 Lab File: VF060651.D
 Acq: 8 Nov 2018 15:54

Tgt Ion: 97 Resp: 67
 Ion Ratio Lower Upper
 97 100
 83 0.0 69.4 104.0#
 85 0.0 46.6 69.8#
 99 0.0 50.0 75.0#





#56

Ethyl methacrylate

Concen: 5.841 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.01 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Instrument :
MSVOA_F
ClientSampled :

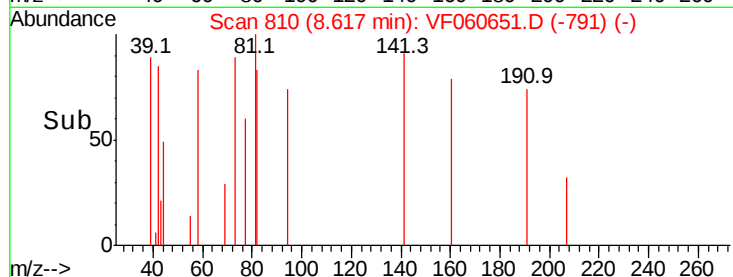
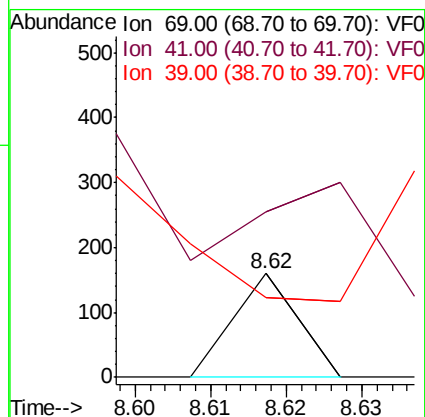
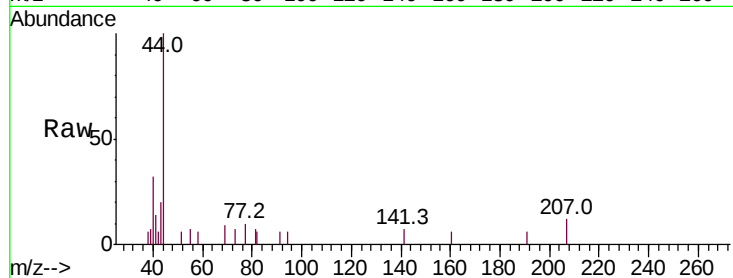
Tot Ion: 69 Resp: 95

Ion Ratio Lower Upper

69 100

41 159.4 59.2 88.8#

39 76.9 32.3 48.5#



#57

1,3-Dichloropropane

Concen: 3.111 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.02 min

Lab File: VF060651.D

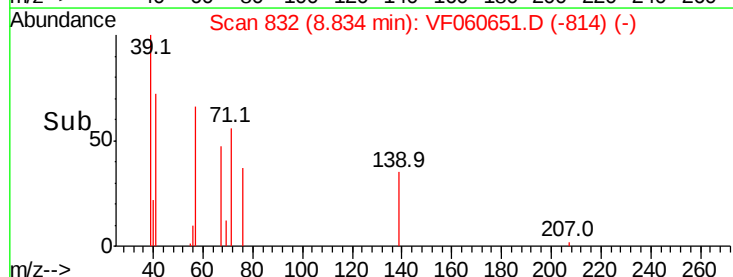
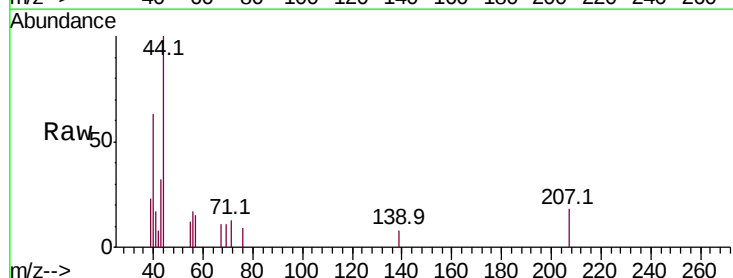
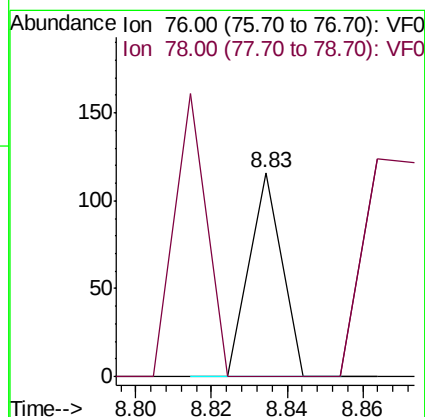
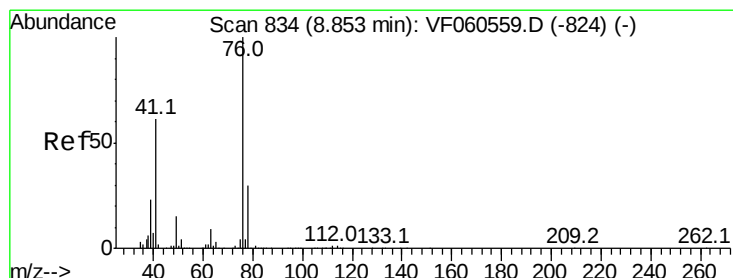
Acq: 8 Nov 2018 15:54

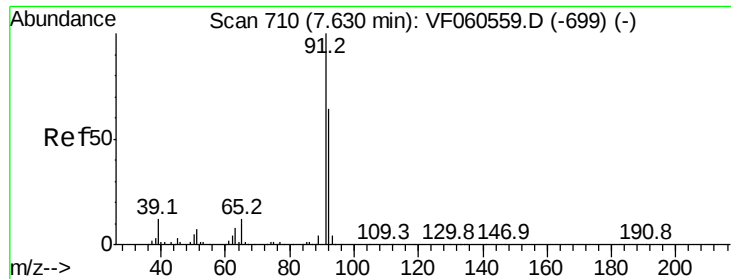
Tgt Ion: 76 Resp: 69

Ion Ratio Lower Upper

76 100

78 0.0 24.2 36.4#





#58

2-Chloroethyl Vinyl ether

Concen: 46.457 ug/l

RT: 7.52 min Scan# 699

Delta R.T. -0.11 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Instrument :

MSVOA_F

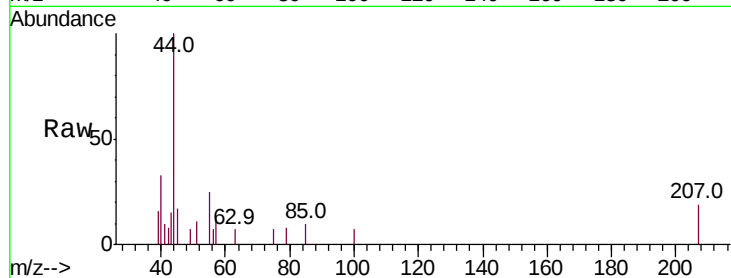
ClientSampleId :

Tot Ion: 63 Resp: 66

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.52

120

100

80

60

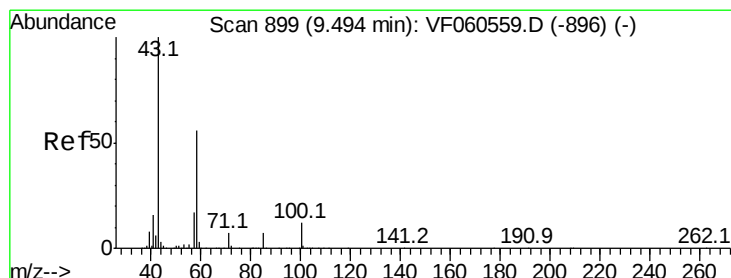
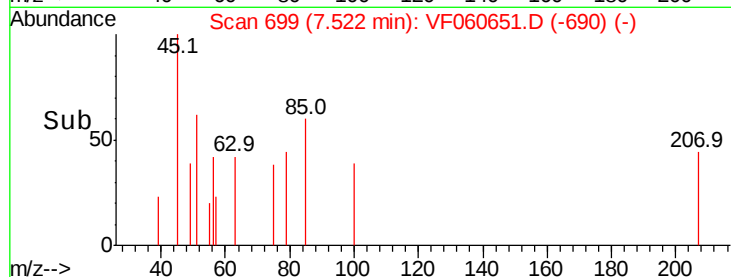
40

20

0

7.50 7.52 7.54

Time-->



#59

2-Hexanone

Concen: Below Cal

RT: 9.49 min Scan# 898

Delta R.T. -0.01 min

Lab File: VF060651.D

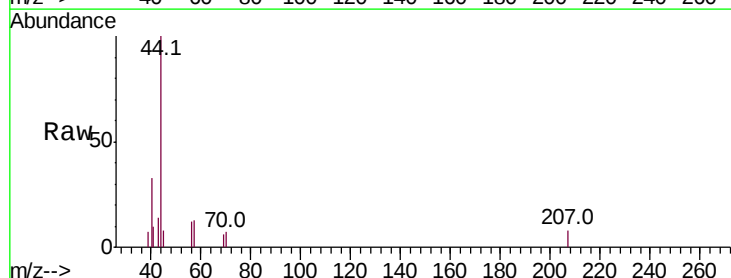
Acq: 8 Nov 2018 15:54

Tgt Ion: 43 Resp: 168

Ion Ratio Lower Upper

43 100

58 0.0 26.1 78.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.49

300

250

200

150

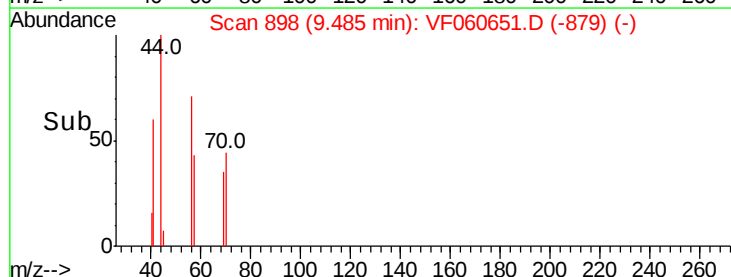
100

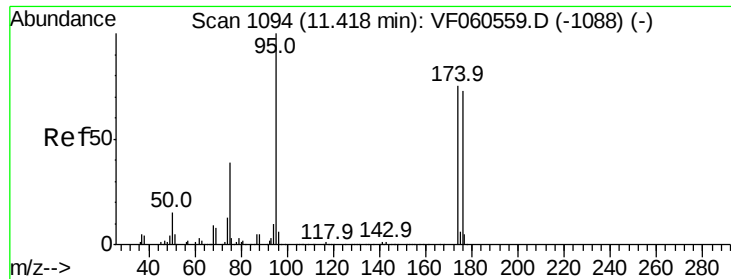
50

0

9.46 9.48 9.50

Time-->





#62

4-Bromofluorobenzene

Concen: 3.683 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

Instrument :

MSVOA_F

ClientSampled :

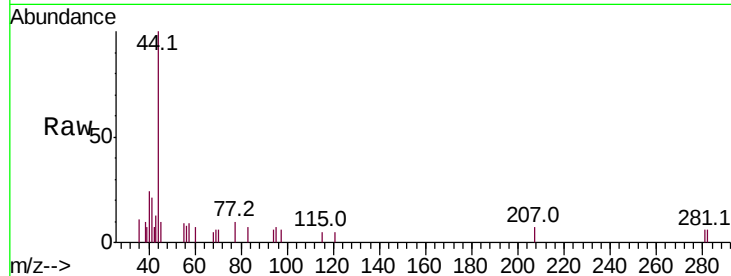
Tot Ion: 95 Resp: 92

Ion Ratio Lower Upper

95 100

174 0.0 0.0 149.0

176 0.0 0.0 145.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.42

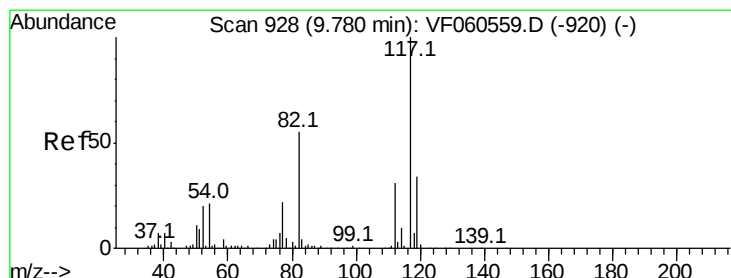
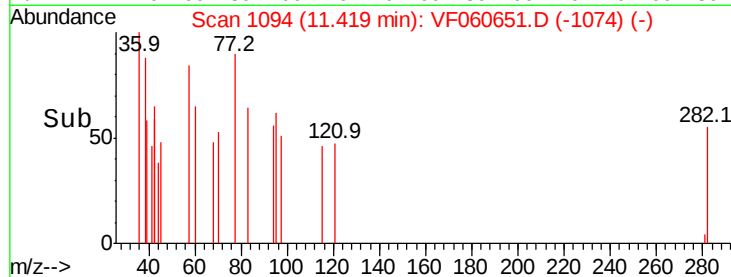
150

100

50

0

Time--> 11.38 11.40 11.42 11.44



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.79 min Scan# 929

Delta R.T. 0.01 min

Lab File: VF060651.D

Acq: 8 Nov 2018 15:54

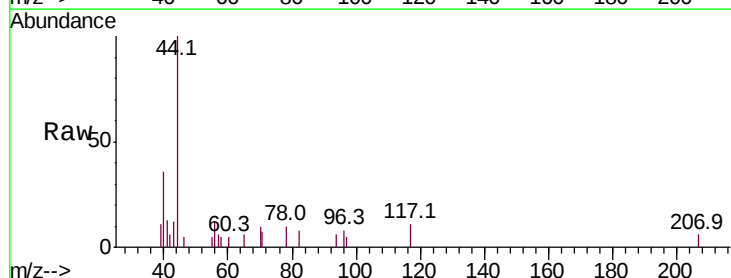
Tgt Ion: 117 Resp: 390

Ion Ratio Lower Upper

117 100

82 74.2 43.9 65.9#

119 0.0 27.4 41.0#



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

9.79

300

250

200

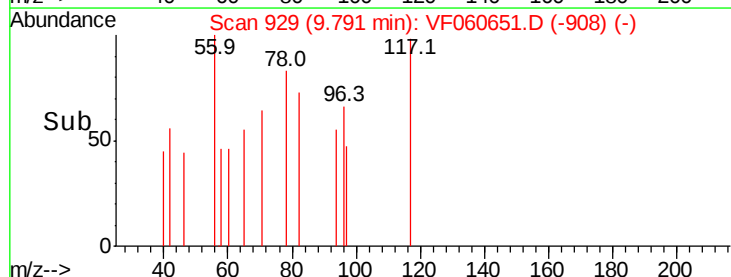
150

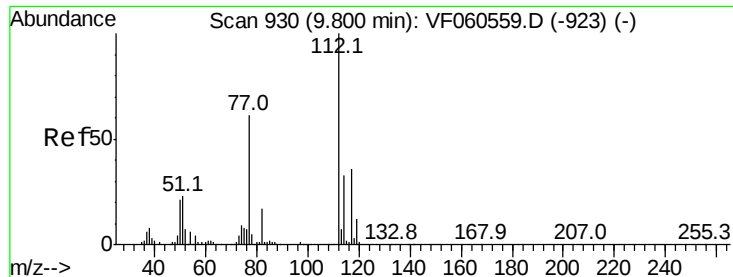
100

50

0

Time--> 9.75 9.80 9.85

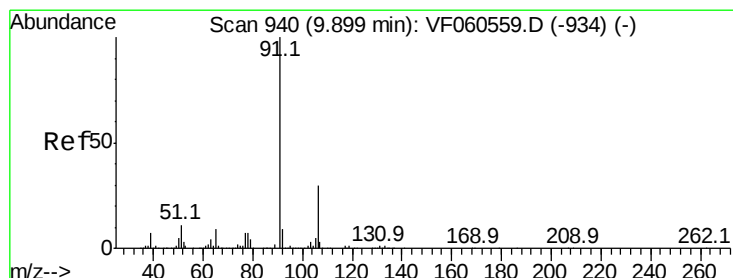
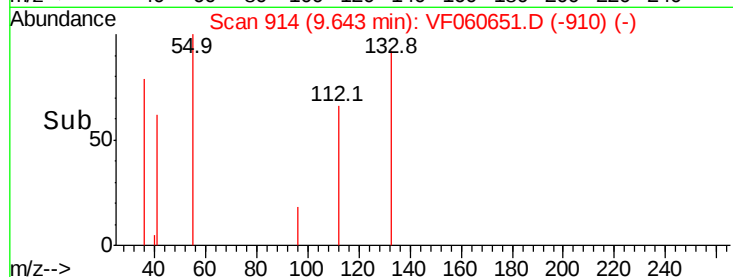
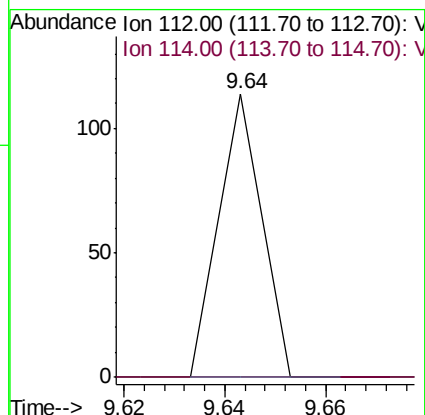
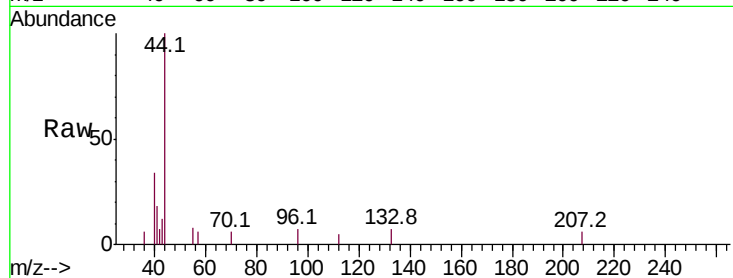




#65
Chlorobenzene
Concen: 8.401 ug/l
RT: 9.64 min Scan# 914
Delta R.T. -0.16 min
Lab File: VF060651.D
Acq: 8 Nov 2018 15:54

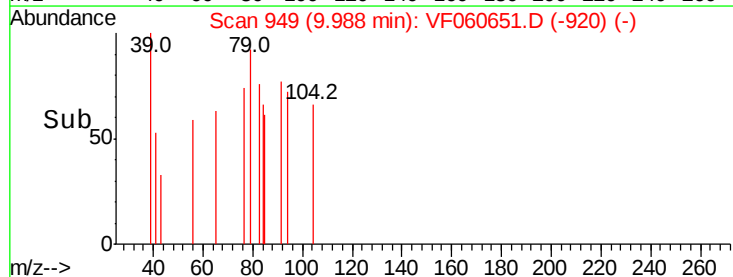
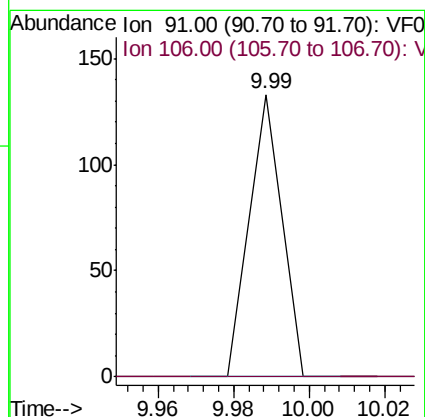
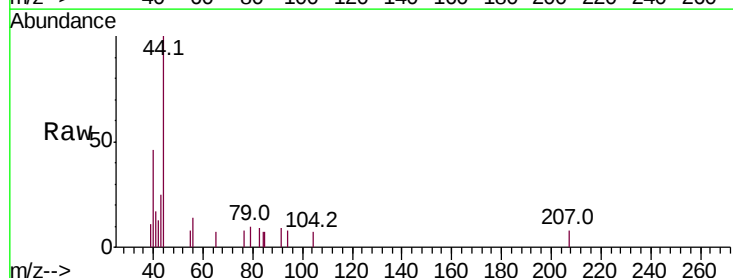
Instrument :
MSVOA_F
ClientSampled :

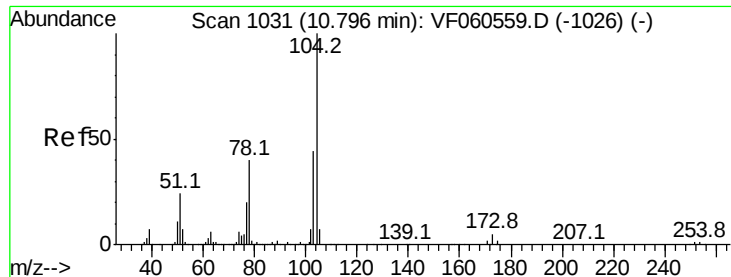
Tot Ion:112 Resp: 67
Ion Ratio Lower Upper
112 100
114 0.0 26.6 40.0#



#67
Ethyl Benzene
Concen: 5.458 ug/l
RT: 9.99 min Scan# 949
Delta R.T. 0.09 min
Lab File: VF060651.D
Acq: 8 Nov 2018 15:54

Tgt Ion: 91 Resp: 79
Ion Ratio Lower Upper
91 100
106 0.0 24.2 36.4#

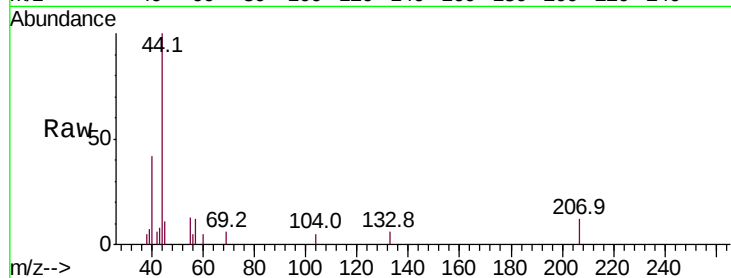




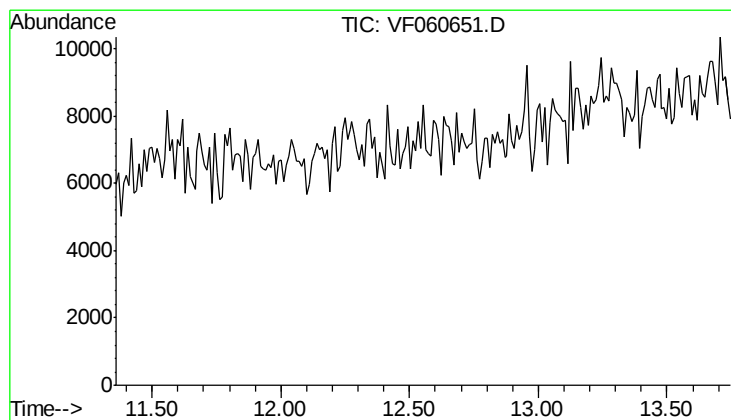
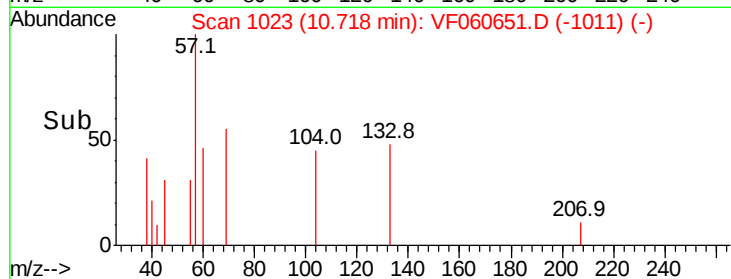
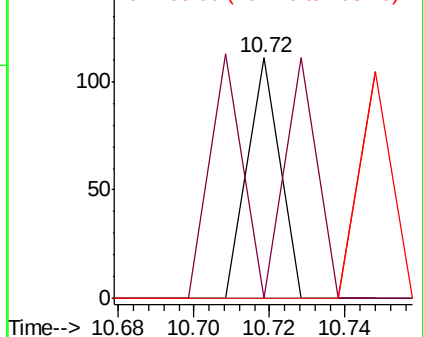
#70
Stvrene
Concen: 7.653 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.08 min
Lab File: VF060651.D
Acq: 8 Nov 2018 15:54

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:104 Resp: 66
Ion Ratio Lower Upper
104 100
78 0.0 32.6 49.0#
103 0.0 35.2 52.8#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 12.55 min

Lab File: VF060651.D
Acq: 8 Nov 2018 15:54

Tgt Ion: 152
Sig Exp Ratio
152 100
115 59.2
150 157.8

