

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122418\
 Data File : VF061165.D
 Acq On : 24 Dec 2018 15:12
 Operator : VA/AP
 Sample : J6511-04RE
 Misc : 2.38g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 24 23:47:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	6683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	8538	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	1714	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	63	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	2066	24.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	48.08%	
35) Dibromofluoromethane	4.11	113	3420	50.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.00%	
50) Toluene-d8	7.56	98	5635	29.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	58.14%	
62) 4-Bromofluorobenzene	11.41	95	239	2.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	5.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	167	1.124	ug/l #	43
3) Chloromethane	1.10	50	194	2.280	ug/l #	1
5) Bromomethane	1.32	94	603	11.013	ug/l #	3
6) Chloroethane	1.43	64	62	1.705	ug/l #	1
8) Diethyl Ether	1.67	74	90	4.360	ug/l	57
11) Tert butyl alcohol	2.58	59	81	23.352	ug/l #	65
12) 1,1-Dichloroethene	1.81	96	69	1.171	ug/l #	1
13) Acrolein	1.99	56	527	210.261	ug/l	85
14) Allyl chloride	2.08	41	337	5.497	ug/l #	63
15) Acrylonitrile	2.93	53	388	48.374	ug/l #	15
16) Acetone	2.15	43	1116	64.947	ug/l	97
17) Carbon Disulfide	1.77	76	214	1.202	ug/l #	1
18) Methyl Acetate	2.36	43	877	24.669	ug/l #	66
20) Methylene Chloride	2.25	84	109	Below Cal	#	1
21) trans-1,2-Dichloroethene	2.34	96	162	2.571	ug/l #	1
22) Diisopropyl ether	2.82	45	279	1.366	ug/l #	1
23) Vinyl Acetate	3.18	43	516	5.477	ug/l #	78
24) 1,1-Dichloroethane	2.84	63	215	1.777	ug/l #	88
25) 2-Butanone	4.34	43	311	11.160	ug/l #	57
29) Tetrahydrofuran	4.07	42	275	24.245	ug/l #	37
37) Ethyl Acetate	4.12	43	135	2.751	ug/l #	21
41) Methacrylonitrile	4.76	41	336	15.438	ug/l #	51
43) Isopropyl Acetate	6.97	43	422	8.480	ug/l #	45
48) Methyl methacrylate	6.75	41	169	4.865	ug/l #	19
51) 4-Methyl-2-Pentanone	8.29	43	166	4.864	ug/l #	38
59) 2-Hexanone	9.48	43	160	6.483	ug/l #	27
73) Isopropylbenzene	11.19	105	107	19.709	ug/l #	49
74) N-amyl acetate	11.39	43	110	91.261	ug/l #	19
75) 1,1,2,2-Tetrachloroethane	11.58	83	82	91.006	ug/l #	23
76) 1,2,3-Trichloropropane	11.74	75	60	89.479	ug/l #	1
79) 2-Chlorotoluene	11.81	91	60	16.110	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.79	105	75	16.777	ug/l #	27
81) trans-1,4-Dichloro-2-buten	11.74	75	60	208.230	ug/l #	11
82) 4-Chlorotoluene	11.81	91	60	15.573	ug/l #	43

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QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration

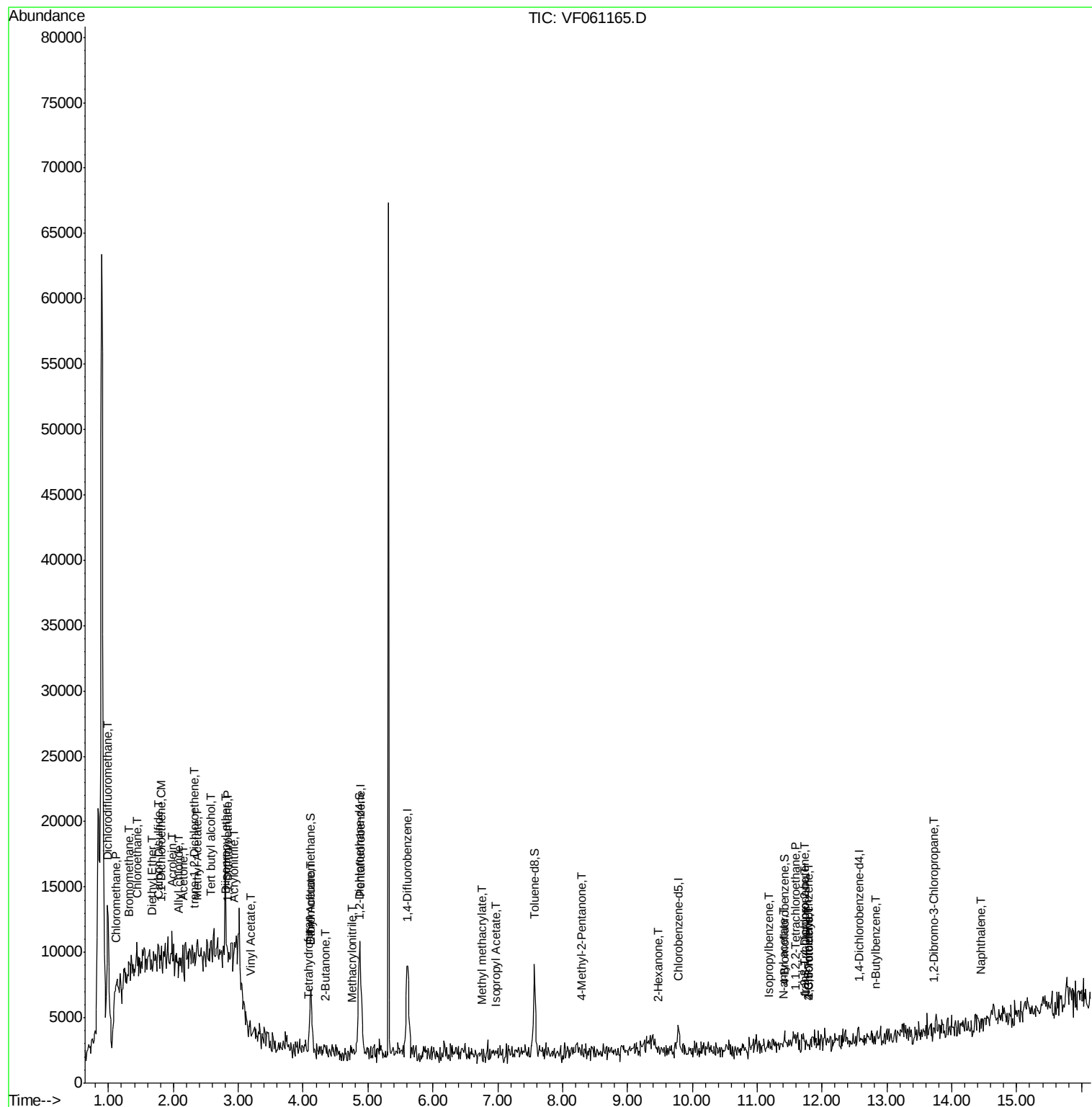
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	12.82	91	65	11.110	ug/l #	26
92) 1,2-Dibromo-3-Chloropropan	13.73	75	73	441.503	ug/l #	2
95) Naphthalene	14.46	128	65	24.024	ug/l #	70

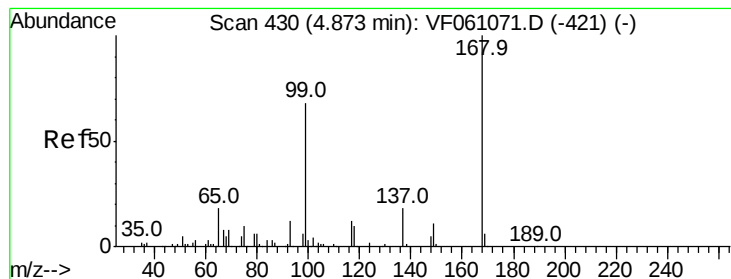
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF061165.D

Acq: 24 Dec 2018 15:12

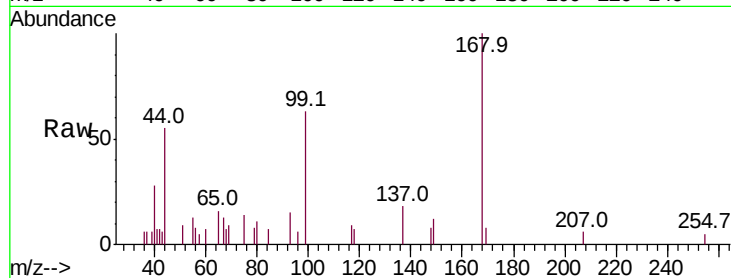
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 6683

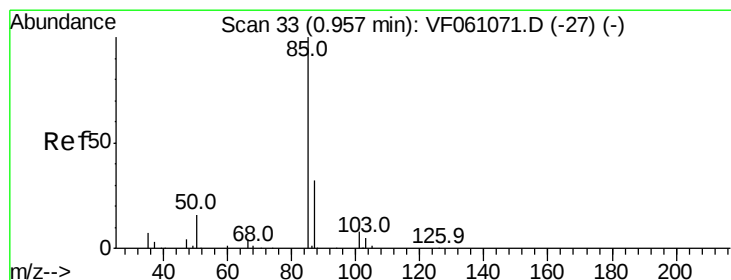
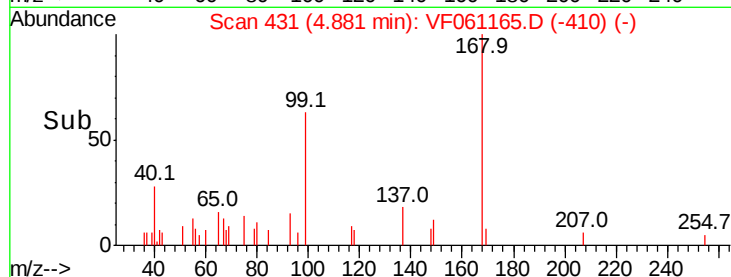
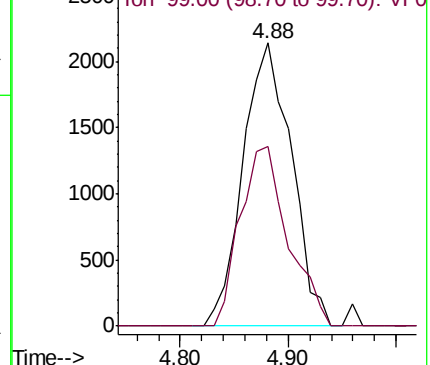
Ion Ratio Lower Upper

168 100

99 63.4 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 1.124 ug/l

RT: 0.98 min Scan# 36

Delta R.T. 0.03 min

Lab File: VF061165.D

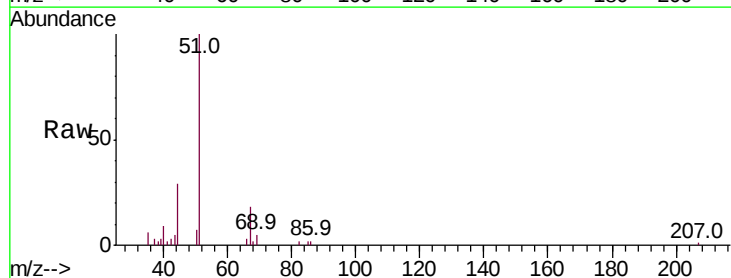
Acq: 24 Dec 2018 15:12

Tgt Ion: 85 Resp: 167

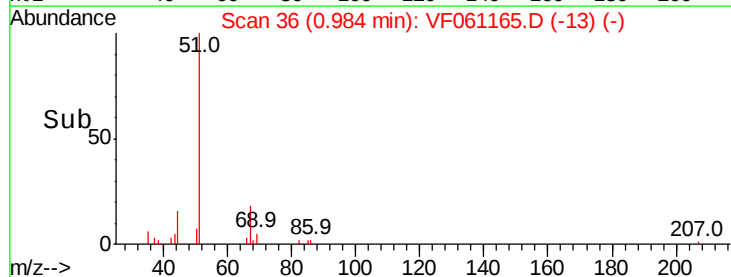
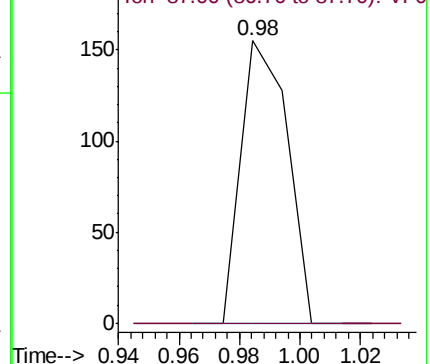
Ion Ratio Lower Upper

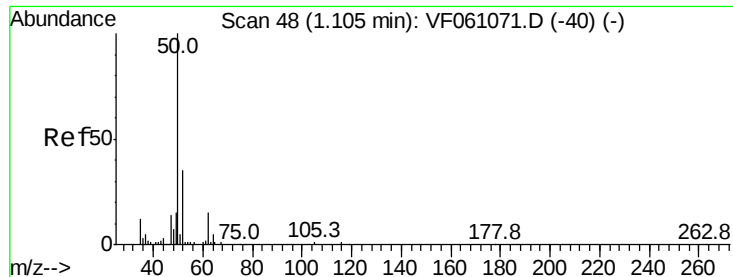
85 100

87 0.0 15.9 47.6#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 2.280 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061165.D

Acq: 24 Dec 2018 15:12

Instrument :

MSVOA_F

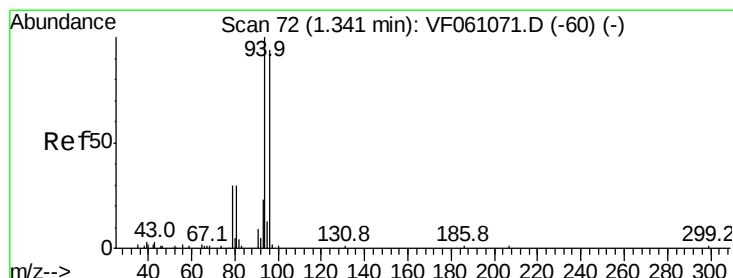
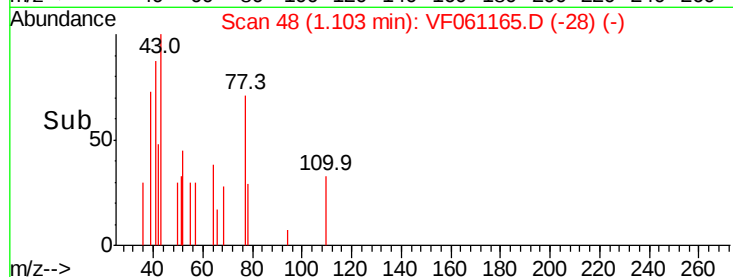
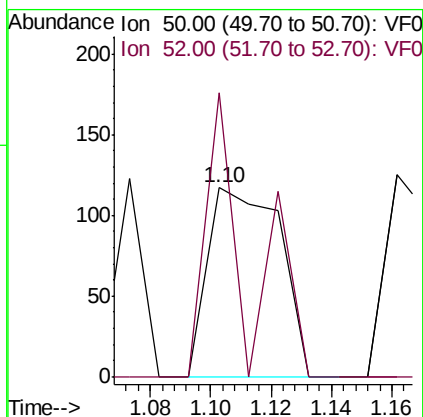
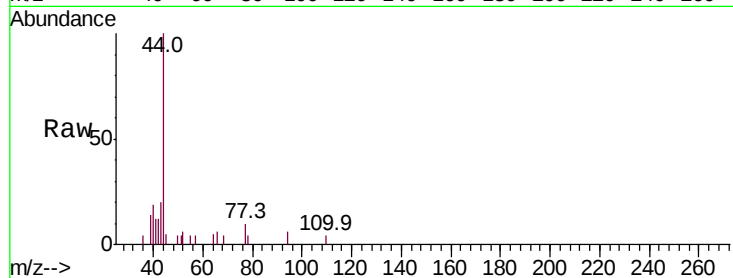
ClientSampleId :

Tot Ion: 50 Resp: 194

Ion Ratio Lower Upper

50 100

52 150.4 26.3 39.5#



#5

Bromomethane

Concen: 11.013 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF061165.D

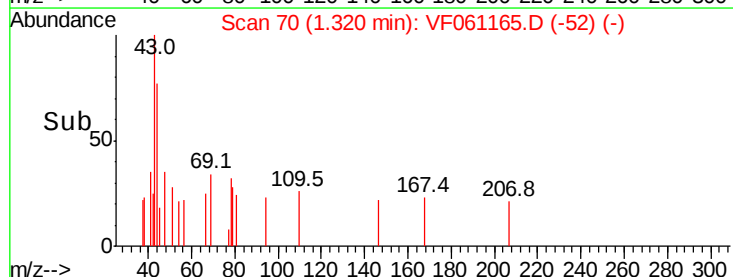
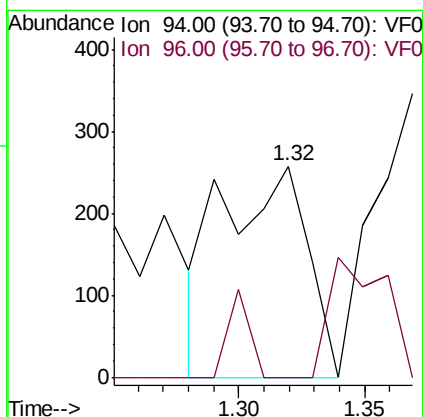
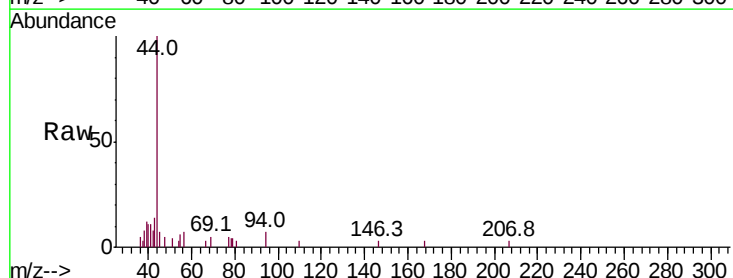
Acq: 24 Dec 2018 15:12

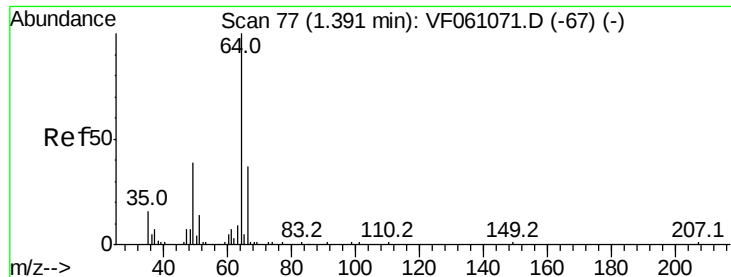
Tgt Ion: 94 Resp: 603

Ion Ratio Lower Upper

94 100

96 0.0 74.4 111.6#





#6

Chloroethane

Concen: 1.705 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.04 min

Lab File: VF061165.D

Acq: 24 Dec 2018 15:12

Instrument :

MSVOA_F

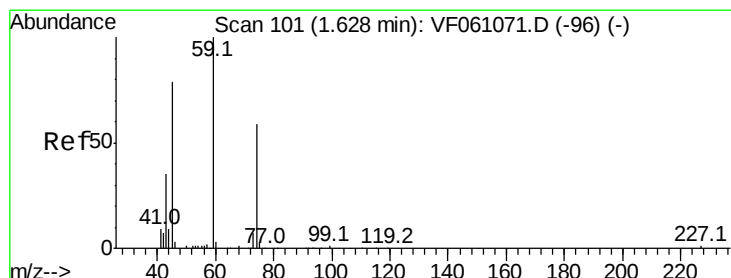
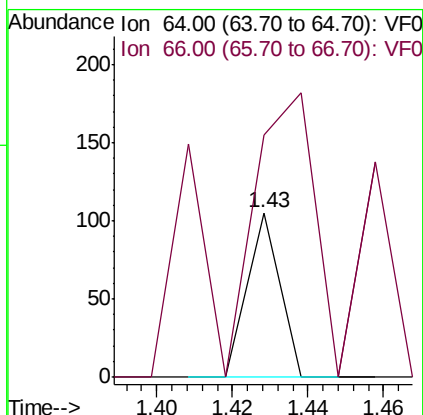
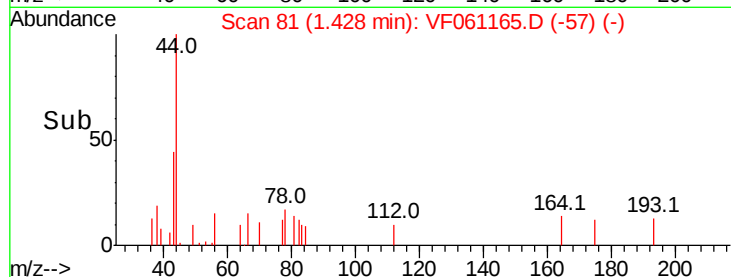
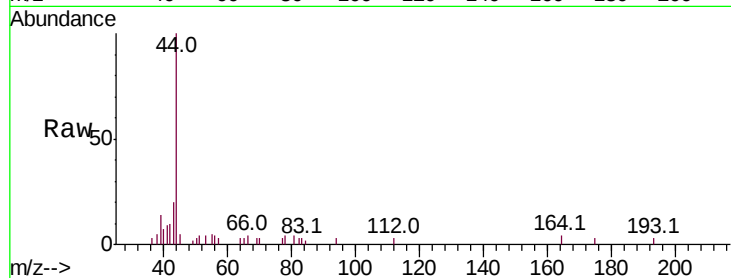
ClientSampled :

Tot Ion: 64 Resp: 62

Ion Ratio Lower Upper

64 100

66 147.6 30.9 46.3#



#8

Diethyl Ether

Concen: 4.360 ug/l

RT: 1.67 min Scan# 106

Delta R.T. 0.05 min

Lab File: VF061165.D

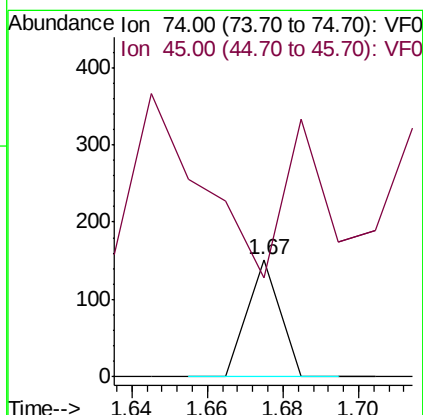
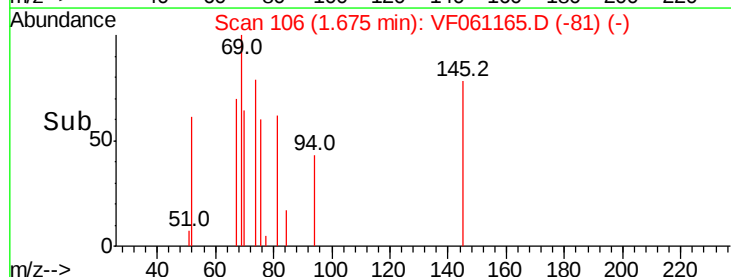
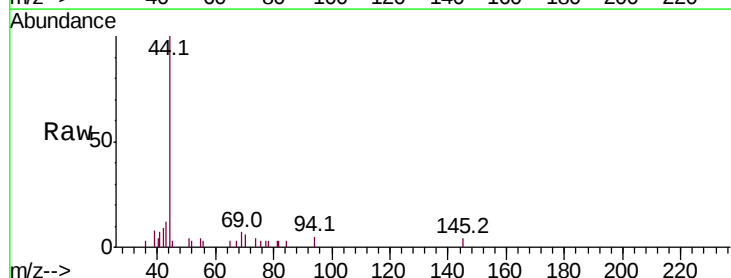
Acq: 24 Dec 2018 15:12

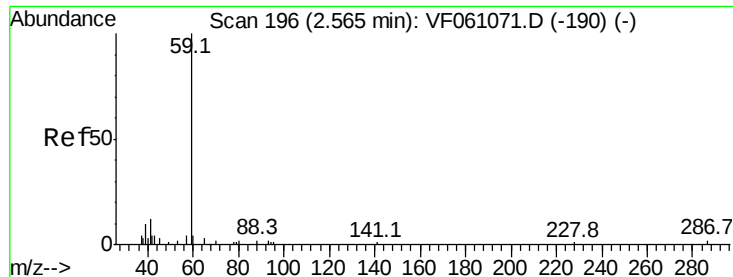
Tgt Ion: 74 Resp: 90

Ion Ratio Lower Upper

74 100

45 84.2 67.8 203.4



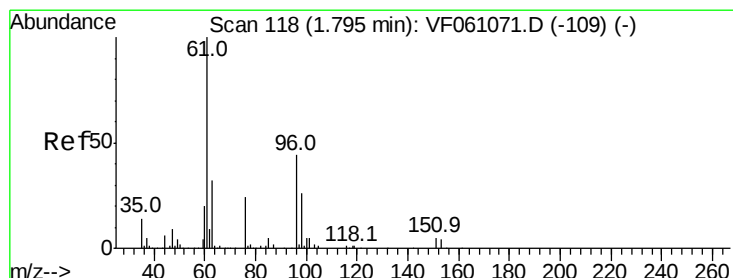
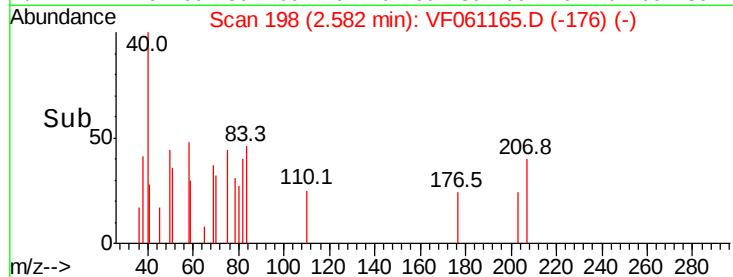
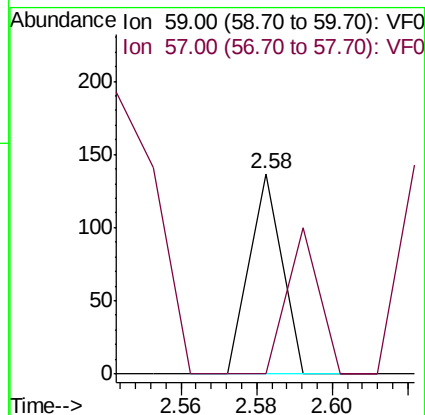
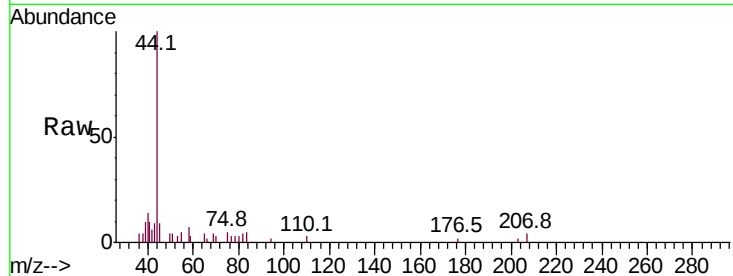


#11

Tert butyl alcohol
 Concen: 23.352 ug/l
 RT: 2.58 min Scan# 198
 Delta R.T. 0.02 min
 Lab File: VF061165.D
 Acq: 24 Dec 2018 15:12

Instrument :
 MSVOA_F
 ClientSampleId :

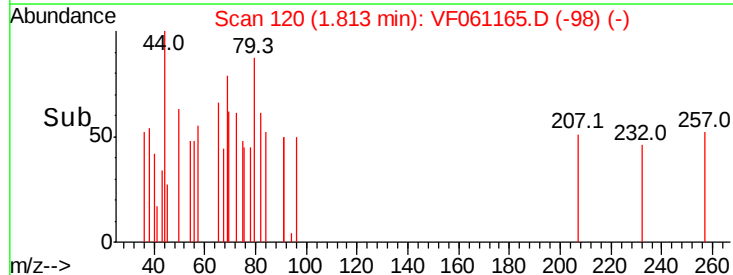
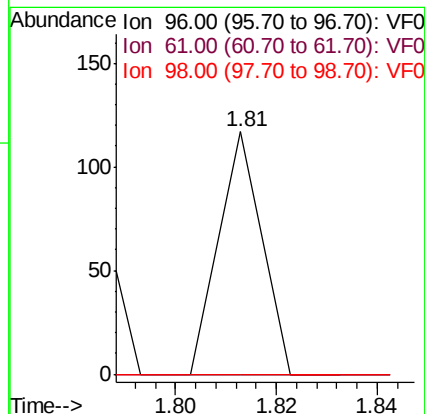
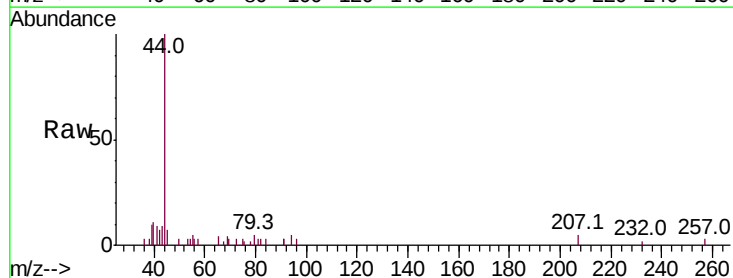
Tot Ion: 59 Resp: 81
 Ion Ratio Lower Upper
 59 100
 57 0.0 11.5 17.3#

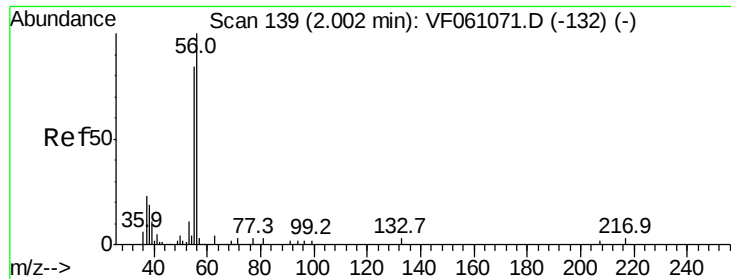


#12

1,1-Dichloroethene
 Concen: 1.171 ug/l
 RT: 1.81 min Scan# 120
 Delta R.T. 0.02 min
 Lab File: VF061165.D
 Acq: 24 Dec 2018 15:12

Tgt Ion: 96 Resp: 69
 Ion Ratio Lower Upper
 96 100
 61 0.0 182.0 273.0#
 98 0.0 46.5 69.7#

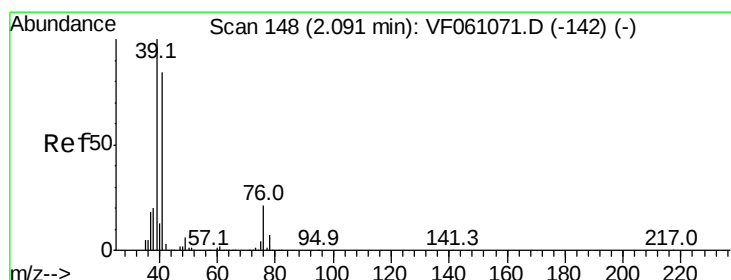
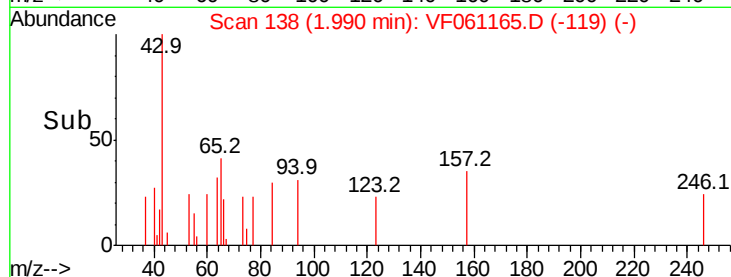
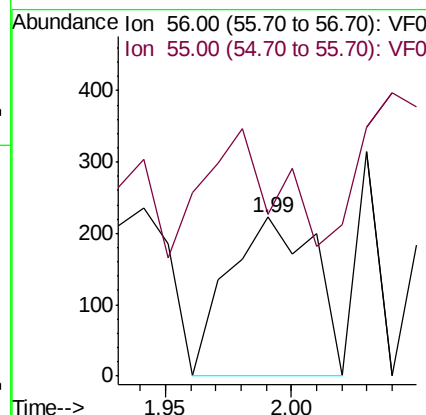
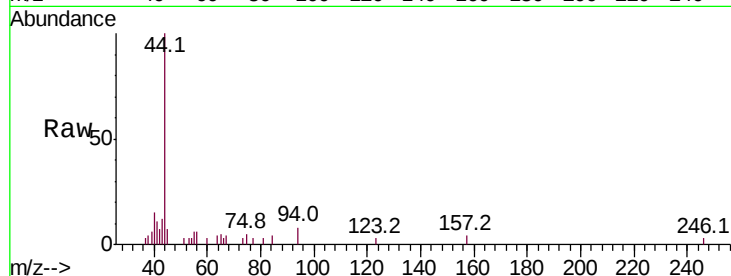




#13
Acrolein
Concen: 210.261 ug/l
RT: 1.99 min Scan# 138
Delta R.T. -0.01 min
Lab File: VF061165.D
Acq: 24 Dec 2018 15:12

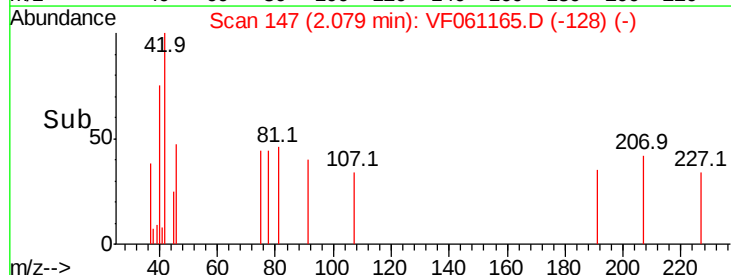
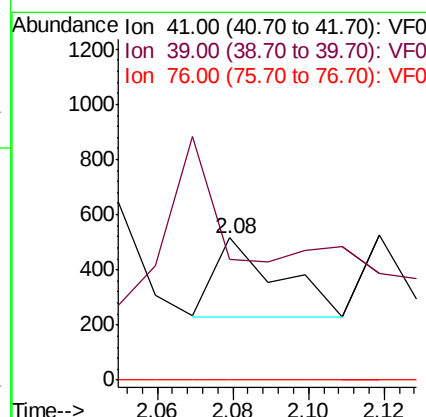
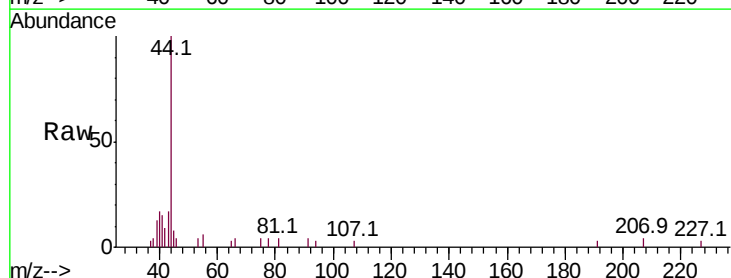
Instrument :
MSVOA_F
ClientSampled :

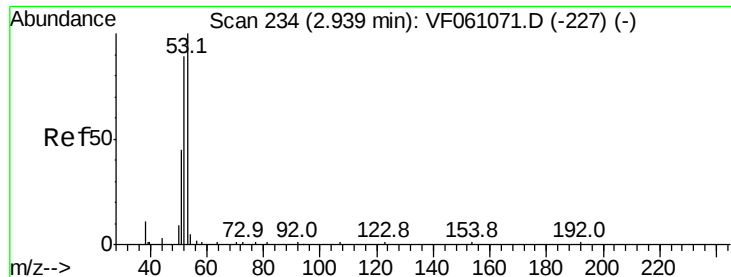
Tot Ion: 56 Resp: 527
Ion Ratio Lower Upper
56 100
55 101.8 70.2 105.2



#14
Allyl chloride
Concen: 5.497 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.01 min
Lab File: VF061165.D
Acq: 24 Dec 2018 15:12

Tgt Ion: 41 Resp: 337
Ion Ratio Lower Upper
41 100
39 85.2 96.4 144.6#
76 0.0 25.4 38.0#





#15

Acrylonitrile

Concen: 48.374 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF061165.D

Acq: 24 Dec 2018 15:12

Instrument :
MSVOA_F
ClientSampleId :

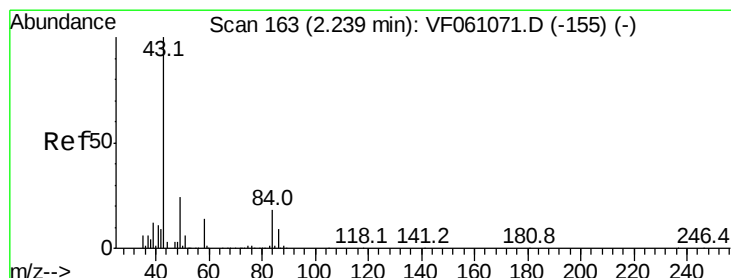
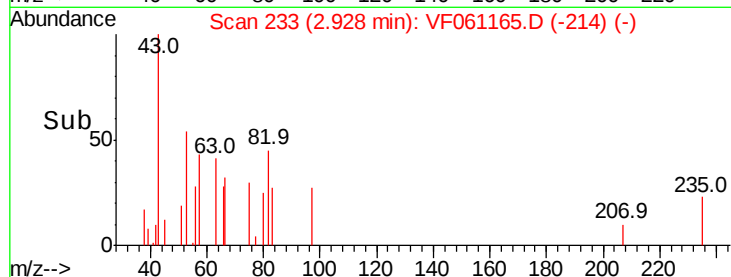
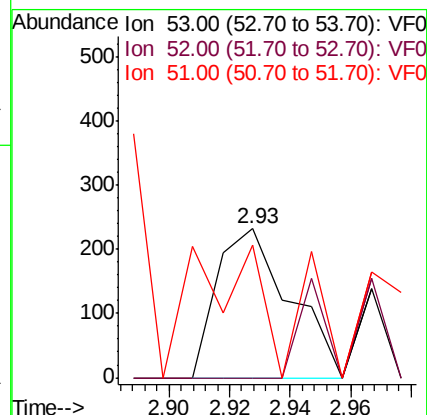
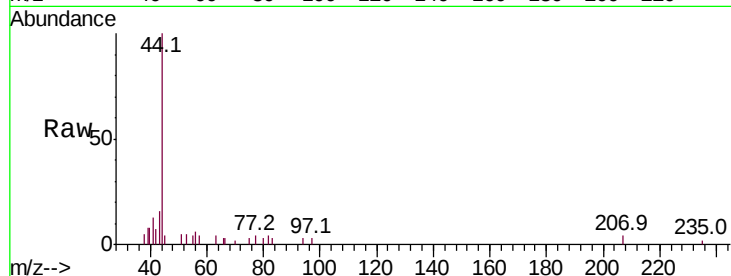
Tot Ion: 53 Resp: 388

Ion Ratio Lower Upper

53 100

52 0.0 71.3 106.9#

51 88.8 36.8 55.2#



#16

Acetone

Concen: 64.947 ug/l

RT: 2.15 min Scan# 154

Delta R.T. -0.09 min

Lab File: VF061165.D

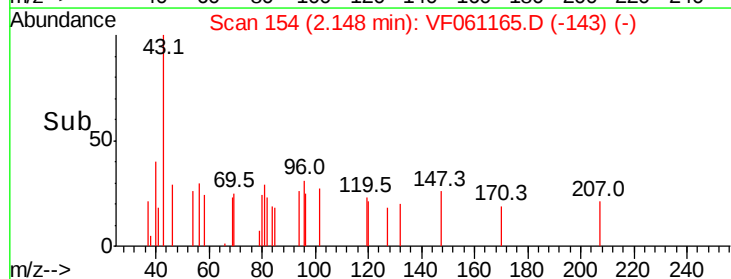
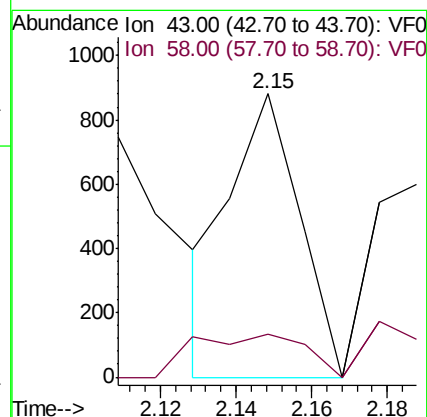
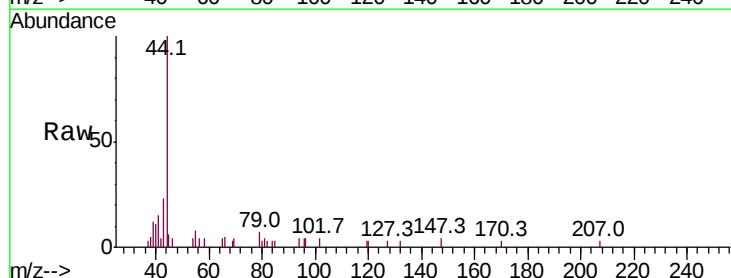
Acq: 24 Dec 2018 15:12

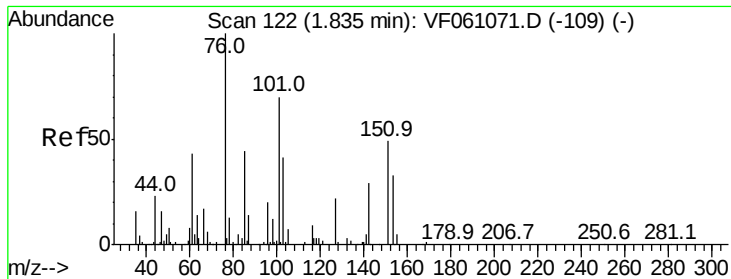
Tgt Ion: 43 Resp: 1116

Ion Ratio Lower Upper

43 100

58 15.1 11.1 16.7

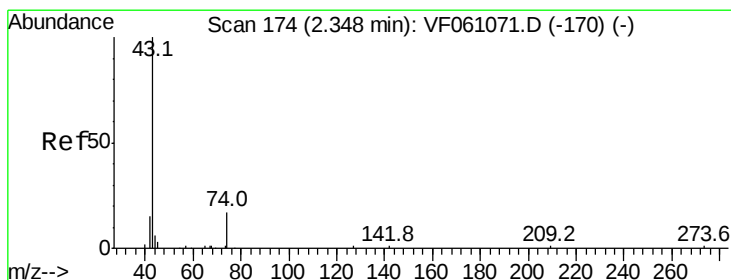
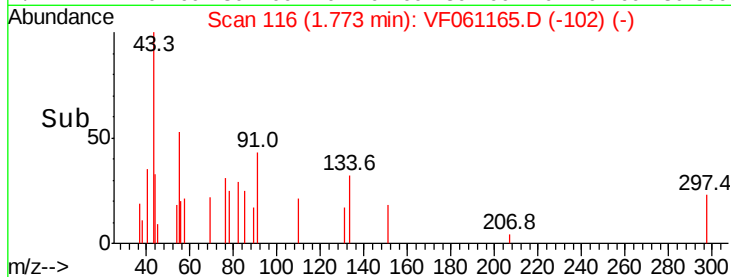
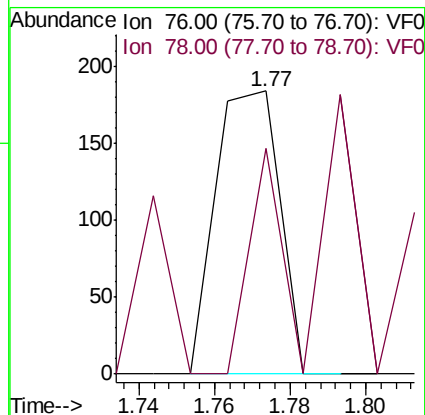
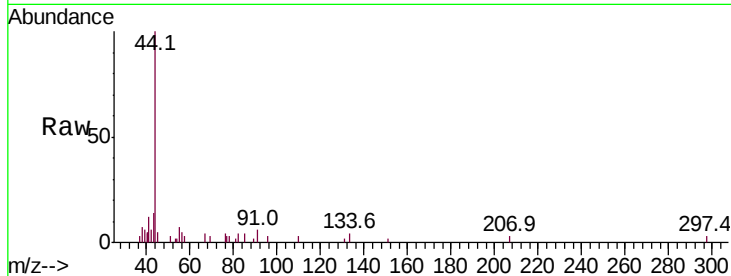




#17
Carbon Disulfide
Concen: 1.202 ug/l
RT: 1.77 min Scan# 116
Delta R.T. -0.06 min
Lab File: VF061165.D
Acq: 24 Dec 2018 15:12

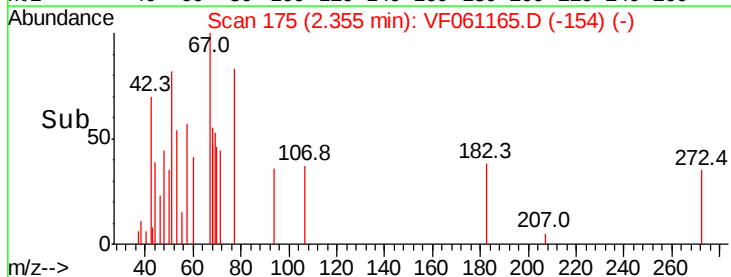
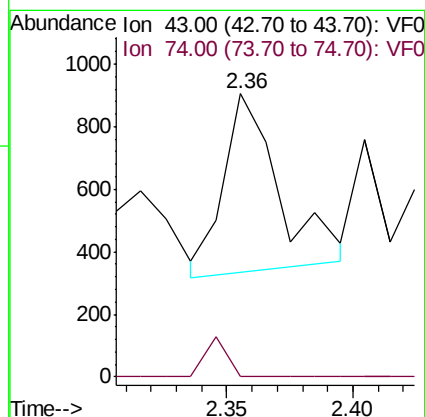
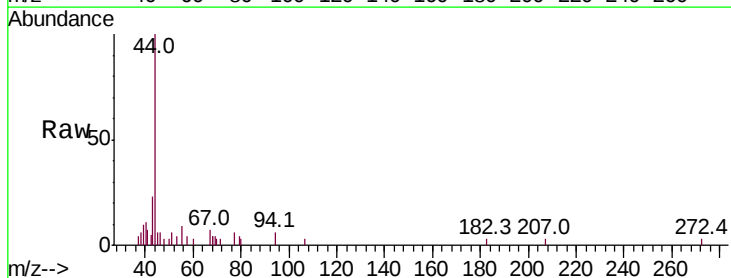
Instrument :
MSVOA_F
ClientSampled :

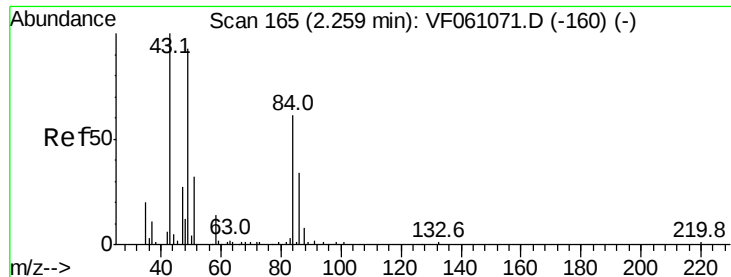
Tot Ion: 76 Resp: 214
Ion Ratio Lower Upper
76 100
78 79.9 10.2 15.4#



#18
Methyl Acetate
Concen: 24.669 ug/l
RT: 2.36 min Scan# 175
Delta R.T. 0.01 min
Lab File: VF061165.D
Acq: 24 Dec 2018 15:12

Tgt Ion: 43 Resp: 877
Ion Ratio Lower Upper
43 100
74 0.0 11.0 16.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.25 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF061165.D

Acq: 24 Dec 2018 15:12

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 84 Resp: 109

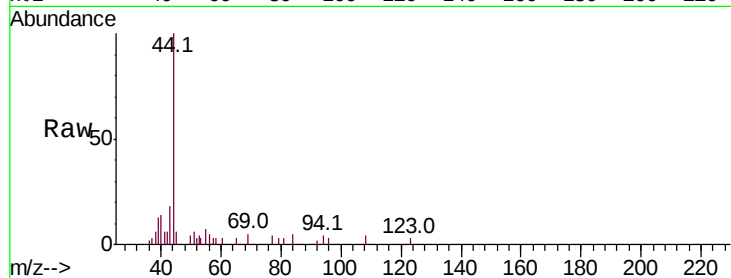
Ion Ratio Lower Upper

84 100

49 0.0 129.4 194.2#

51 134.6 44.0 66.0#

86 0.0 46.3 69.5#

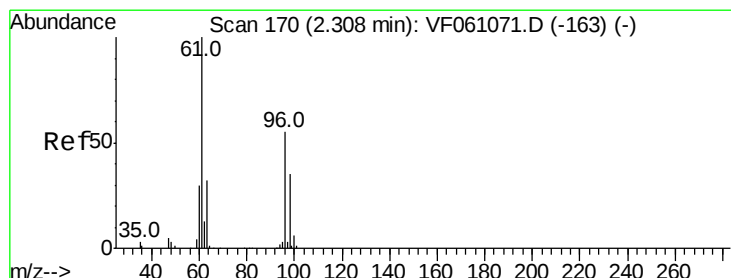
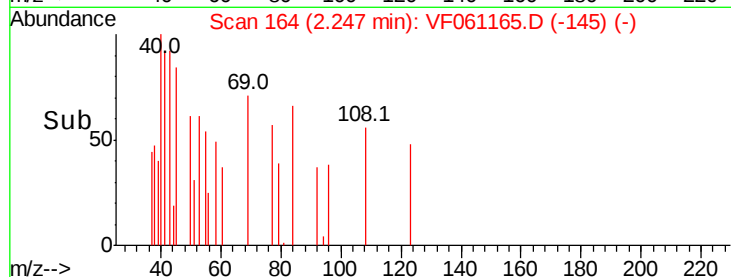
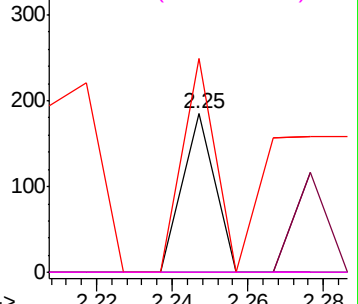


Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#21

trans-1,2-Dichloroethene

Concen: 2.571 ug/l

RT: 2.34 min Scan# 173

Delta R.T. 0.03 min

Lab File: VF061165.D

Acq: 24 Dec 2018 15:12

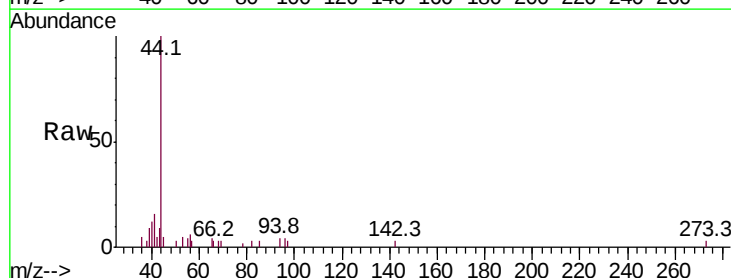
Tgt Ion: 96 Resp: 162

Ion Ratio Lower Upper

96 100

61 0.0 146.0 219.0#

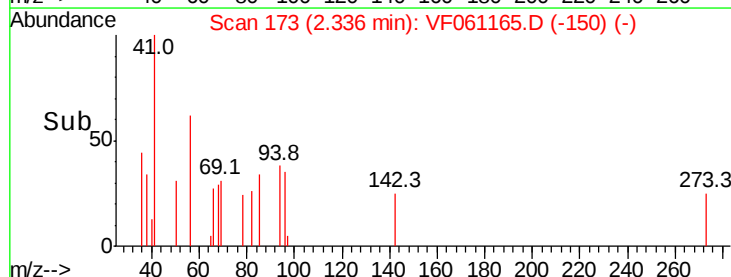
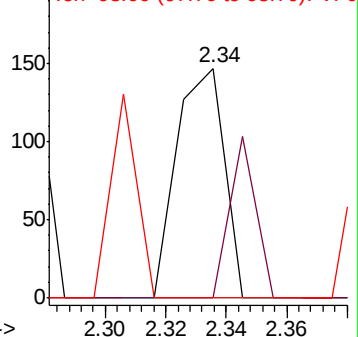
98 0.0 51.6 77.4#

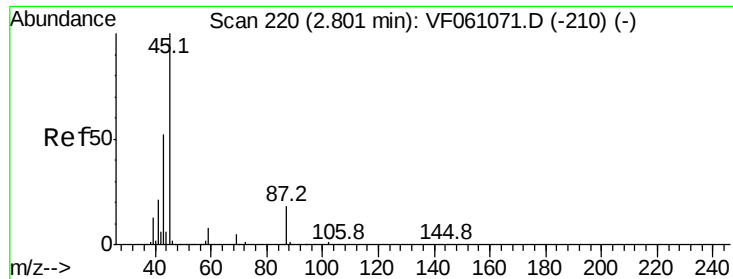


Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#22

Diisopropyl ether

Concen: 1.366 ug/l

RT: 2.82 min Scan# 222

Delta R.T. 0.02 min

Lab File: VF061165.D

Acq: 24 Dec 2018 15:12

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 45 Resp: 279

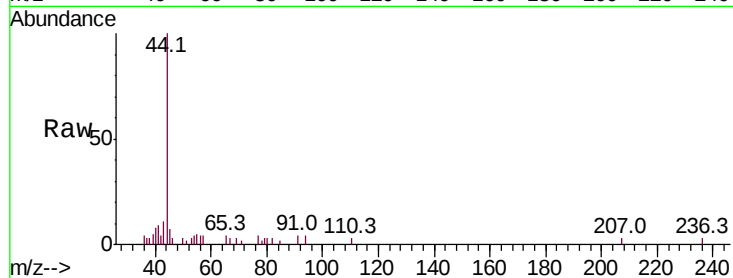
Ion Ratio Lower Upper

45 100

43 145.8 42.2 63.2#

87 0.0 14.6 22.0#

59 0.0 7.0 10.4#

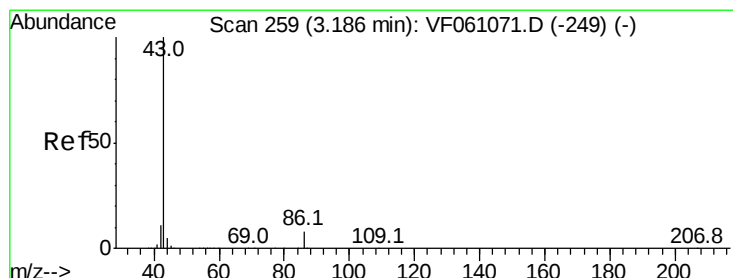
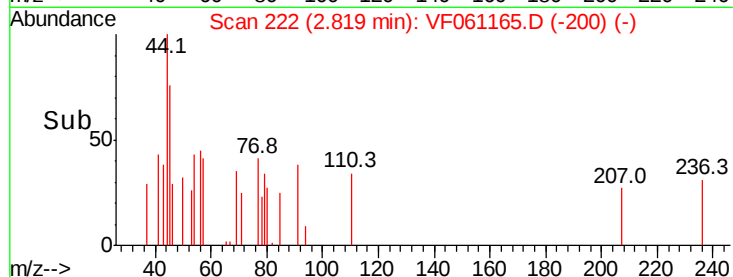
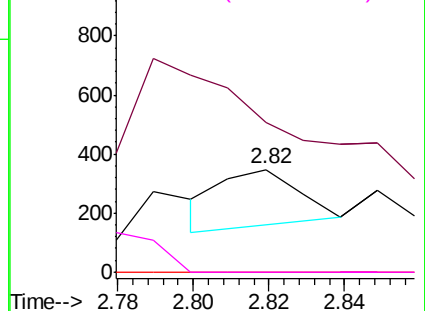


Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 5.477 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF061165.D

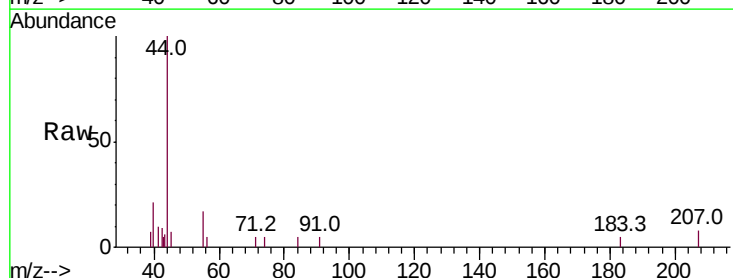
Acq: 24 Dec 2018 15:12

Tgt Ion: 43 Resp: 516

Ion Ratio Lower Upper

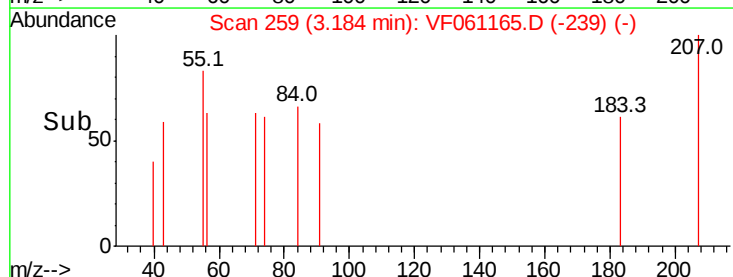
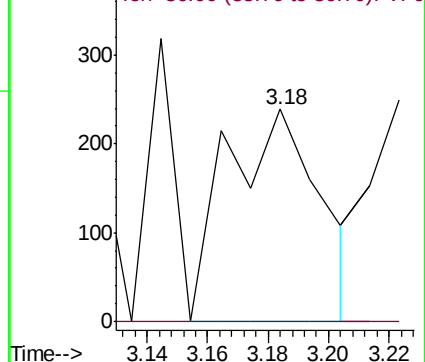
43 100

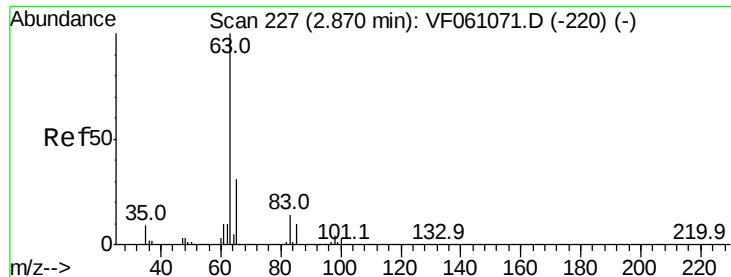
86 0.0 6.3 9.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#24

1,1-Dichloroethane

Concen: 1.777 ug/l

RT: 2.84 min Scan# 224

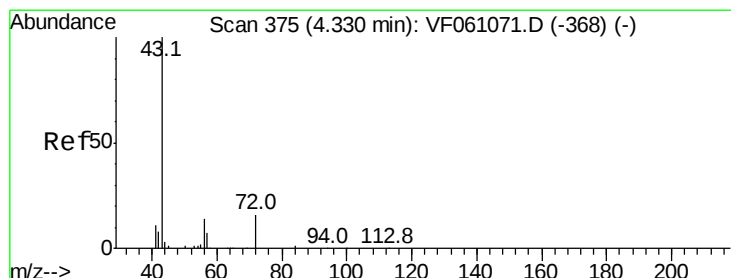
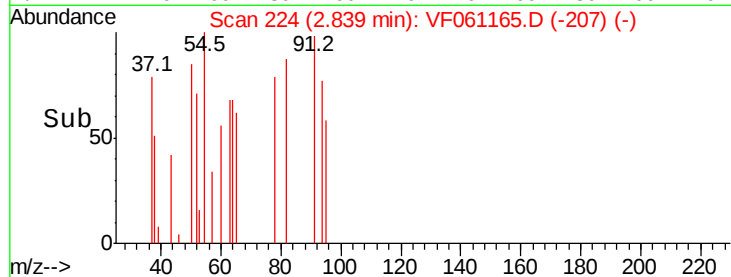
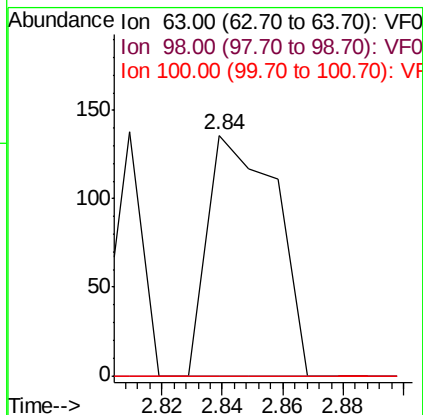
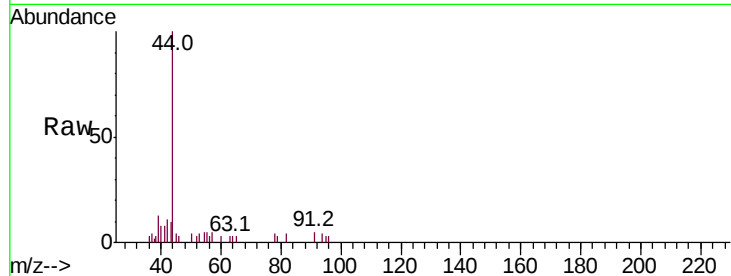
Delta R.T. -0.03 min

Lab File: VF061165.D

Acq: 24 Dec 2018 15:12

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	63	Resp:	215
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.1	6.5#
100	0.0	1.7	5.1#



#25

2-Butanone

Concen: 11.160 ug/l

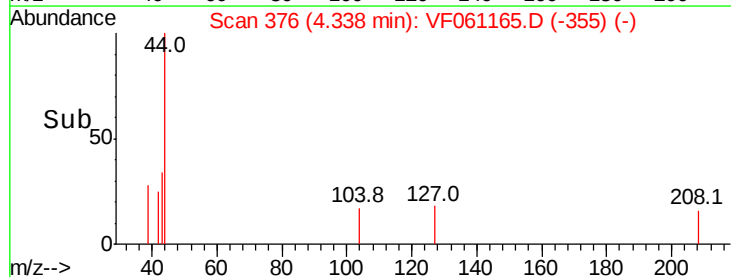
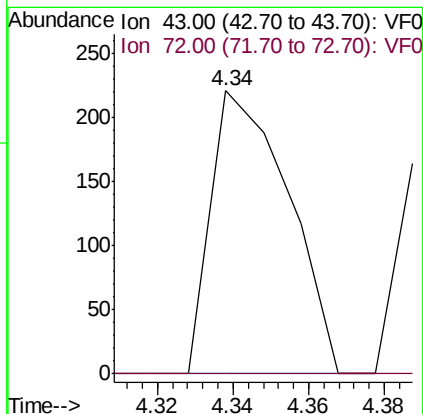
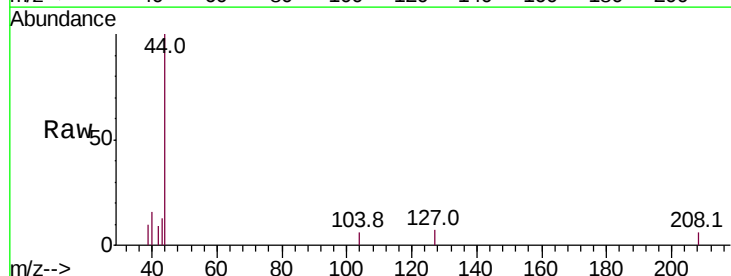
RT: 4.34 min Scan# 376

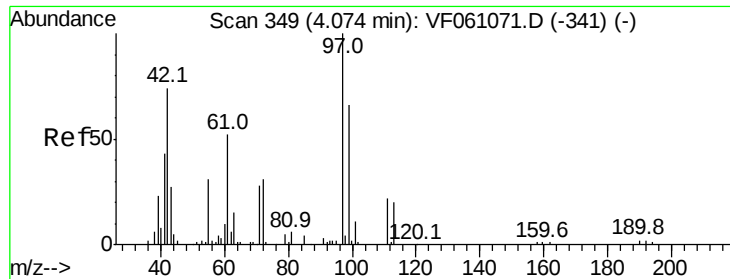
Delta R.T. 0.01 min

Lab File: VF061165.D

Acq: 24 Dec 2018 15:12

Tgt Ion:	43	Resp:	311
Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.6	23.4#





#29

Tetrahydrofuran

Concen: 24.245 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.00 min

Lab File: VF061165.D

Acq: 24 Dec 2018 15:12

Instrument :

MSVOA_F

ClientSampleId :

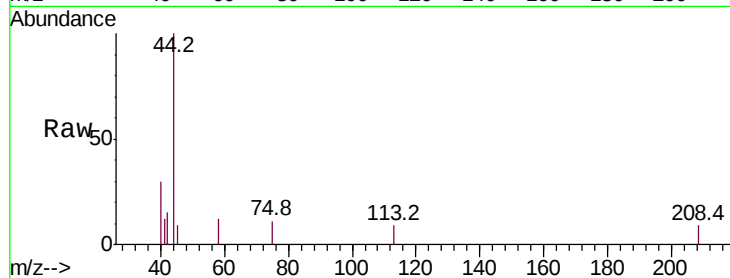
Tot Ion: 42 Resp: 275

Ion Ratio Lower Upper

42 100

72 0.0 31.8 47.8#

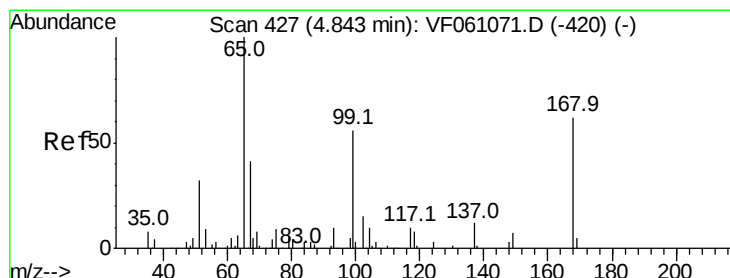
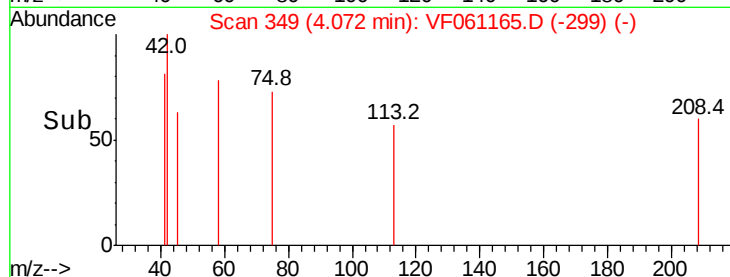
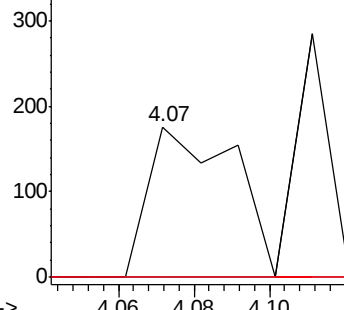
71 0.0 29.7 44.5#



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



#33

1,2-Dichloroethane-d4

Concen: 24.036 ug/l

RT: 4.85 min Scan# 428

Delta R.T. 0.01 min

Lab File: VF061165.D

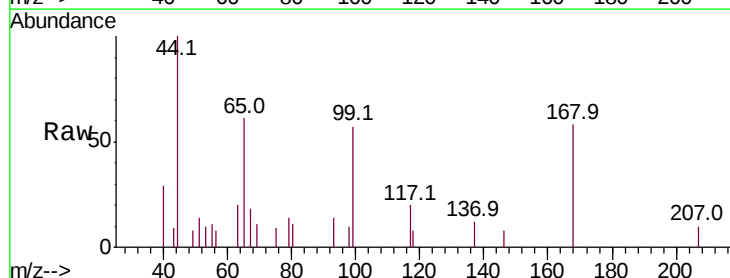
Acq: 24 Dec 2018 15:12

Tgt Ion: 65 Resp: 2066

Ion Ratio Lower Upper

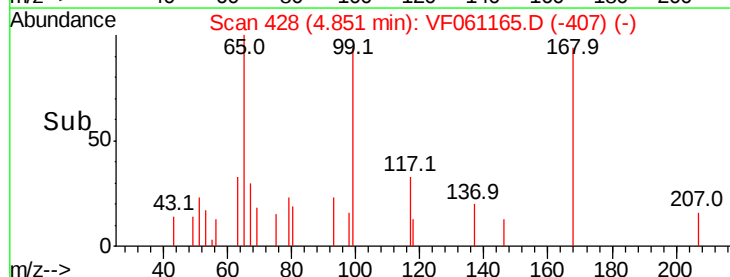
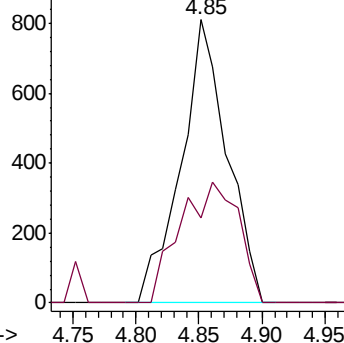
65 100

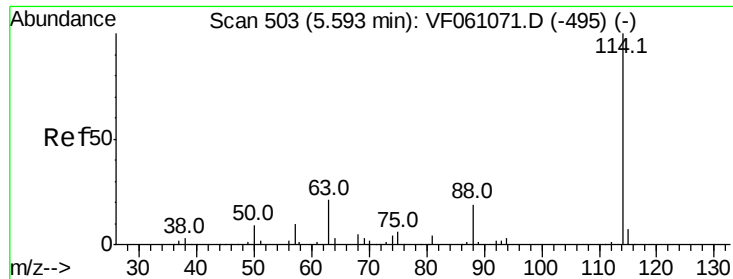
67 30.0 0.0 94.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

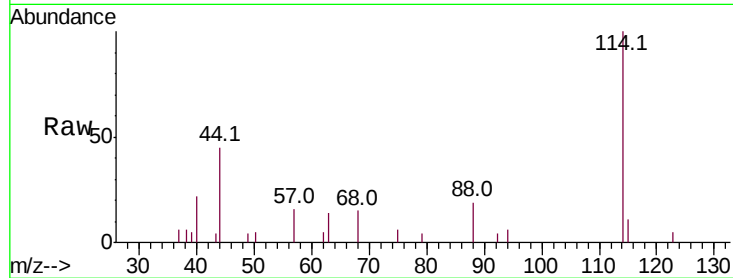
Delta R.T. 0.01 min

Lab File: VF061165.D

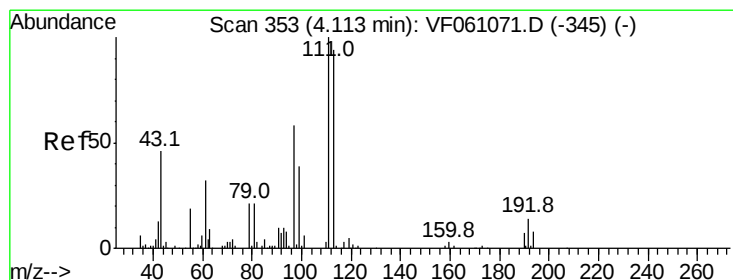
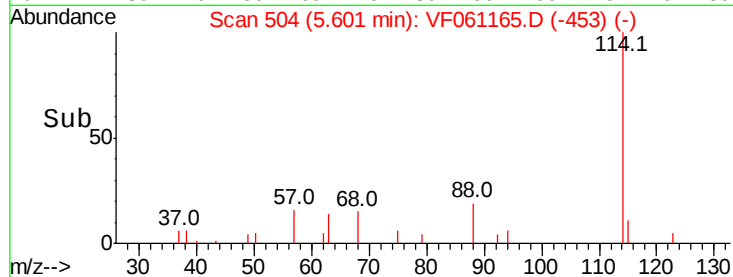
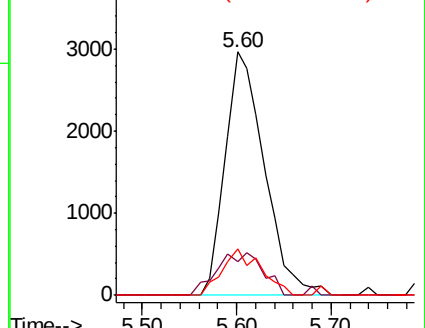
Acq: 24 Dec 2018 15:12

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	114	Resp:	8538
Ion	Ratio	Lower	Upper
114	100		
63	14.1	0.0	41.6
88	18.8	0.0	38.0



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: 50.004 ug/l

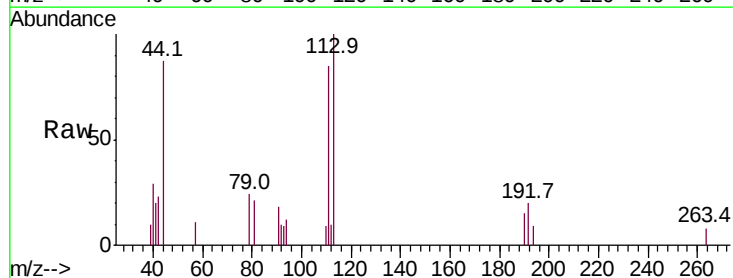
RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

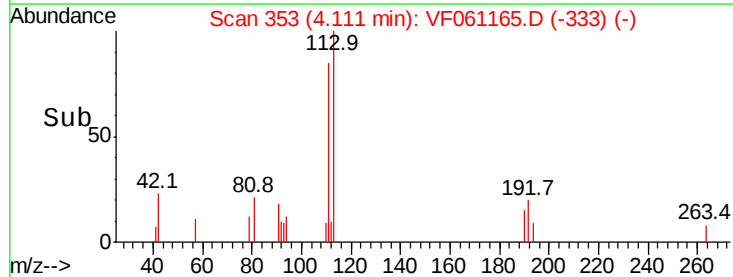
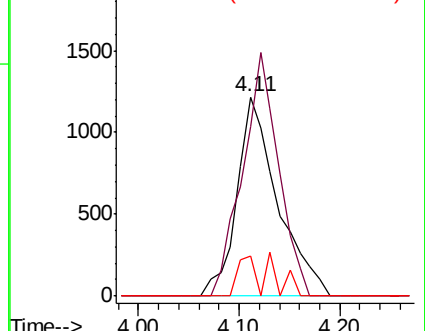
Lab File: VF061165.D

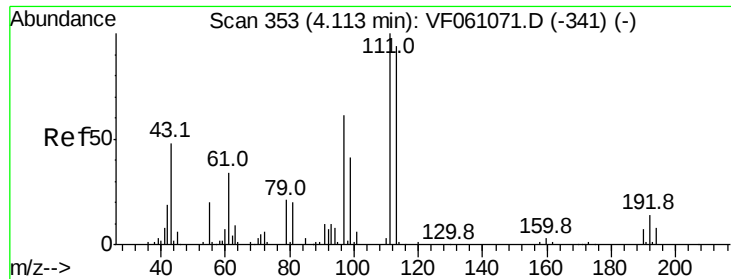
Acq: 24 Dec 2018 15:12

Tgt Ion:	113	Resp:	3420
Ion	Ratio	Lower	Upper
113	100		
111	85.0	85.2	127.8#
192	20.2	12.8	19.2#



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

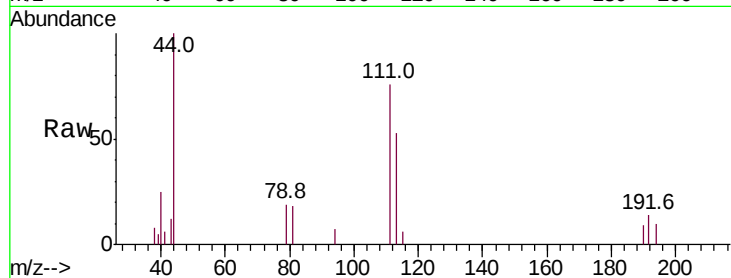




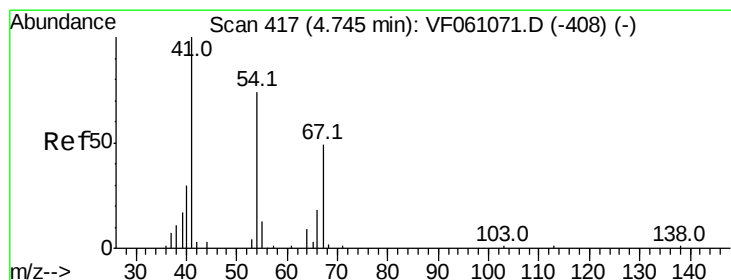
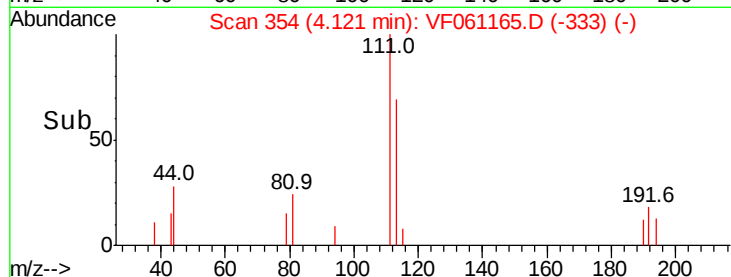
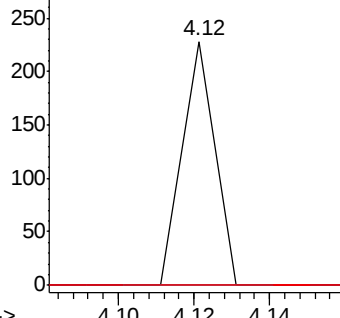
#37
Ethyl Acetate
Concen: 2.751 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF061165.D
Acq: 24 Dec 2018 15:12

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 135
Ion Ratio Lower Upper
43 100
61 0.0 56.6 84.8#
70 0.0 6.3 9.5#

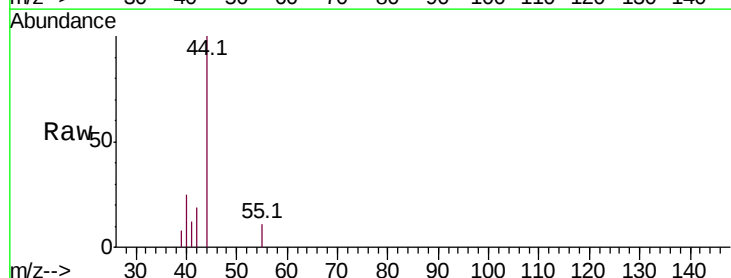


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

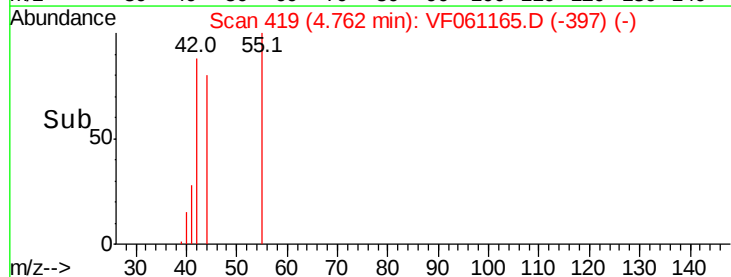
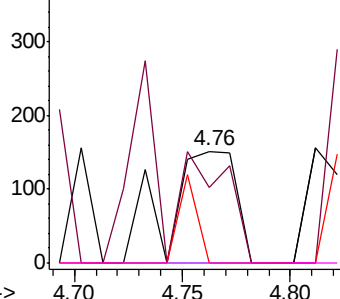


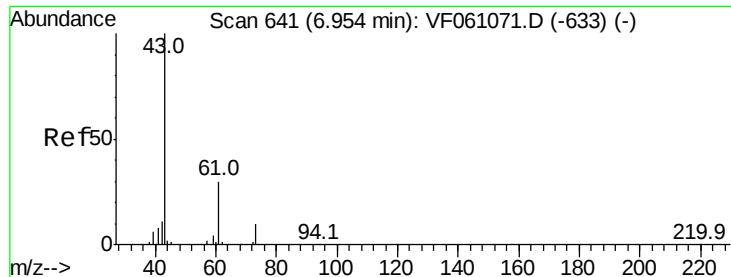
#41
Methacrylonitrile
Concen: 15.438 ug/l
RT: 4.76 min Scan# 419
Delta R.T. 0.02 min
Lab File: VF061165.D
Acq: 24 Dec 2018 15:12

Tgt Ion: 41 Resp: 336
Ion Ratio Lower Upper
41 100
39 68.2 45.7 68.5
67 0.0 38.9 58.3#
52 0.0 35.2 52.8#



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





#43

Isopropyl Acetate

Concen: 8.480 ug/l

RT: 6.97 min Scan# 643

Delta R.T. 0.02 min

Lab File: VF061165.D

Acq: 24 Dec 2018 15:12

Instrument :

MSVOA_F

ClientSampleId :

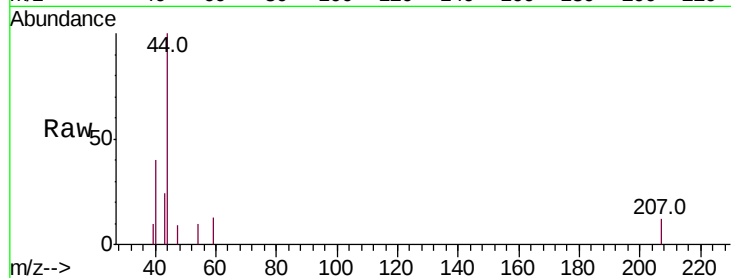
Tot Ion: 43 Resp: 422

Ion Ratio Lower Upper

43 100

61 0.0 23.8 35.8#

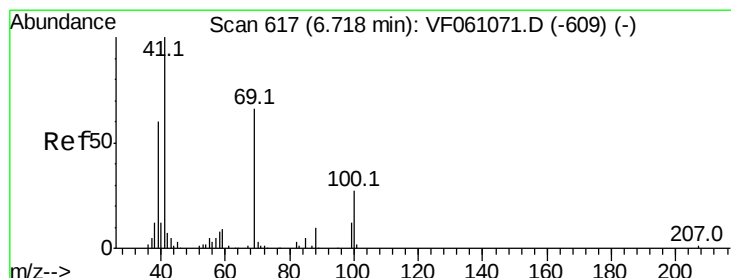
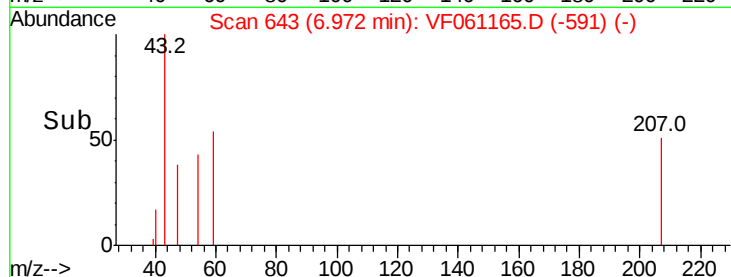
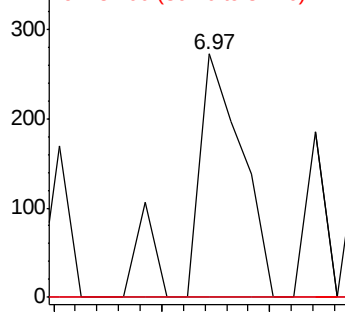
87 0.0 0.0 0.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#48

Methyl methacrylate

Concen: 4.865 ug/l

RT: 6.75 min Scan# 620

Delta R.T. 0.03 min

Lab File: VF061165.D

Acq: 24 Dec 2018 15:12

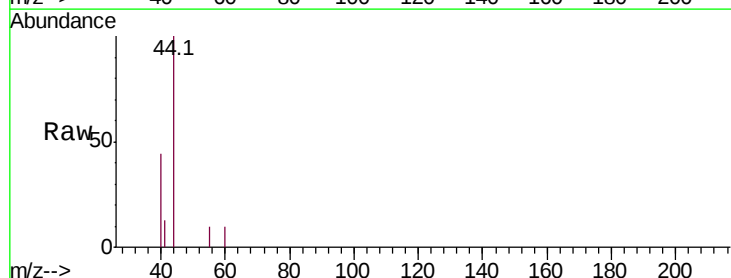
Tgt Ion: 41 Resp: 169

Ion Ratio Lower Upper

41 100

69 0.0 52.7 79.1#

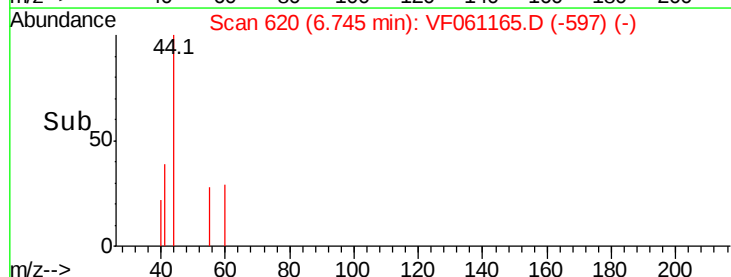
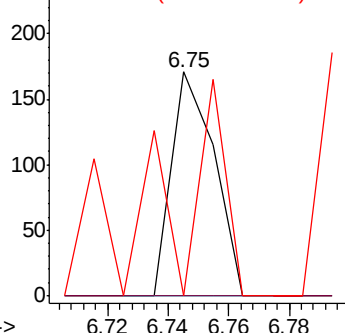
39 0.0 47.8 71.6#

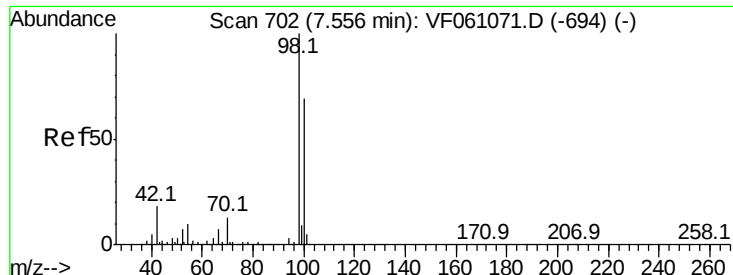


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#50

Toluene-d8

Concen: 29.073 ug/l

RT: 7.56 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF061165.D

Acq: 24 Dec 2018 15:12

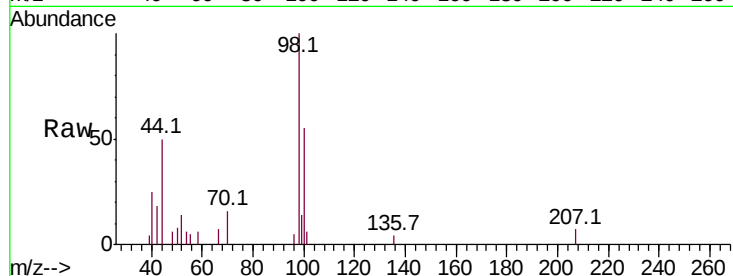
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 98 Resp: 5635

Ion Ratio Lower Upper

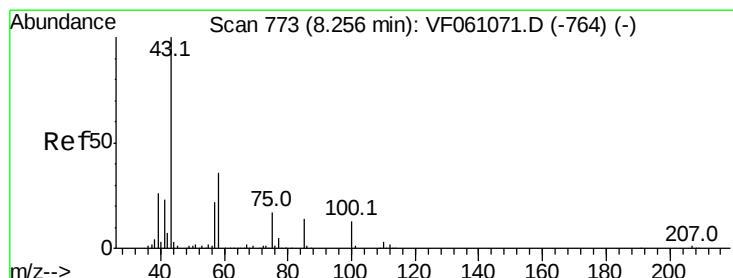
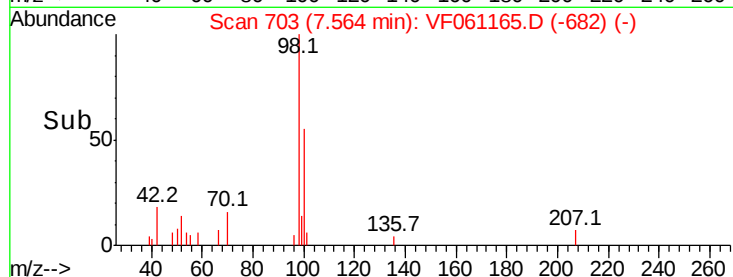
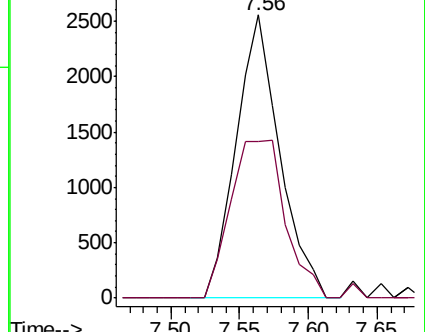
98 100

100 55.4 55.3 82.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#51

4-Methyl-2-Pentanone

Concen: 4.864 ug/l

RT: 8.29 min Scan# 777

Delta R.T. 0.04 min

Lab File: VF061165.D

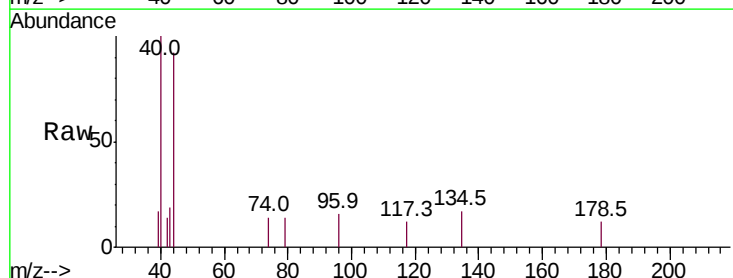
Acq: 24 Dec 2018 15:12

Tgt Ion: 43 Resp: 166

Ion Ratio Lower Upper

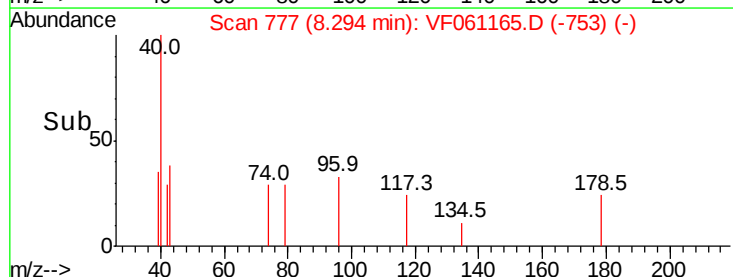
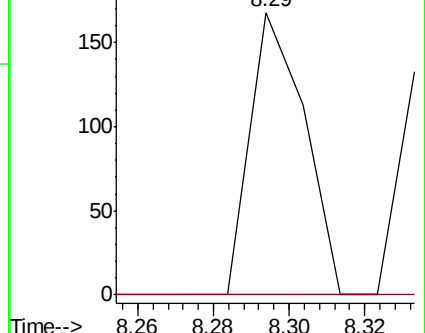
43 100

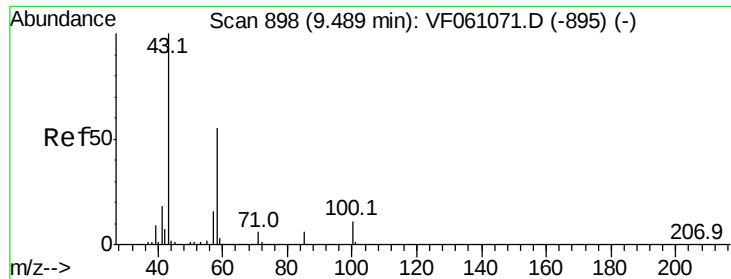
58 0.0 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

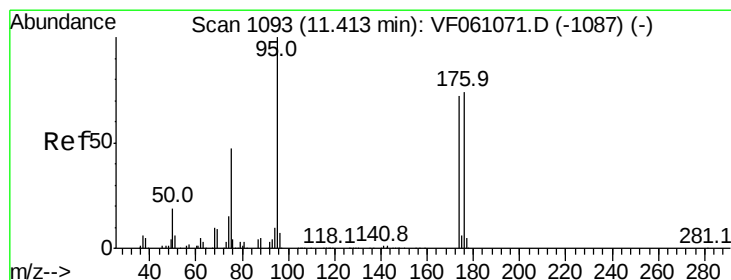
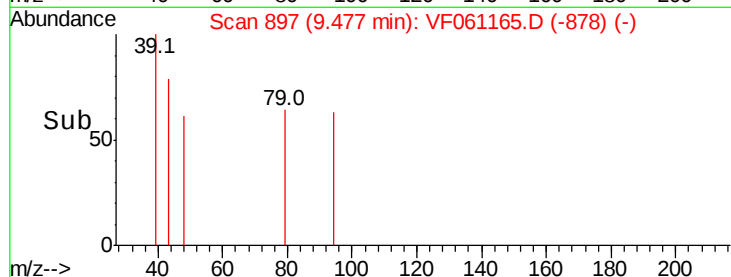
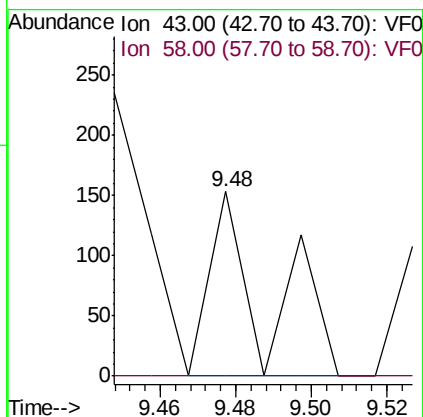
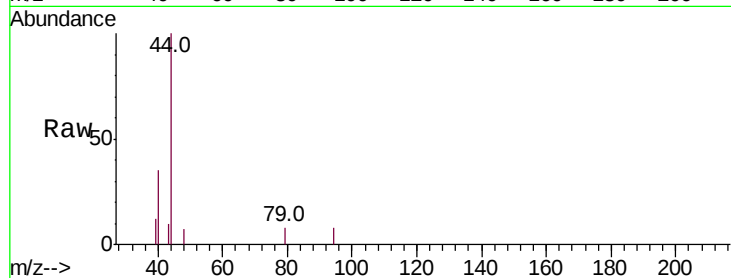




#59
2-Hexanone
Concen: 6.483 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.01 min
Lab File: VF061165.D
Acq: 24 Dec 2018 15:12

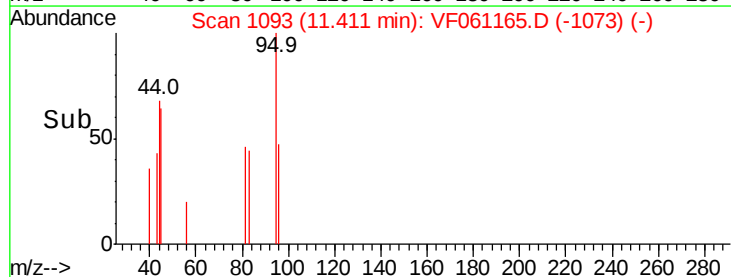
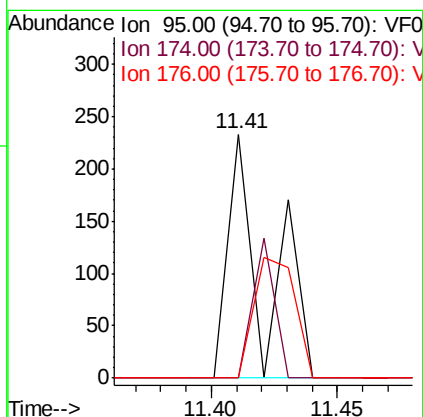
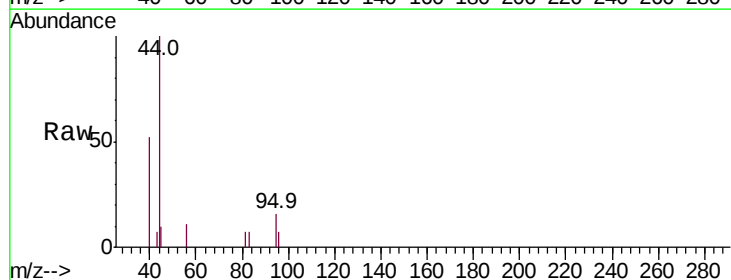
Instrument :
MSVOA_F
ClientSampleId :

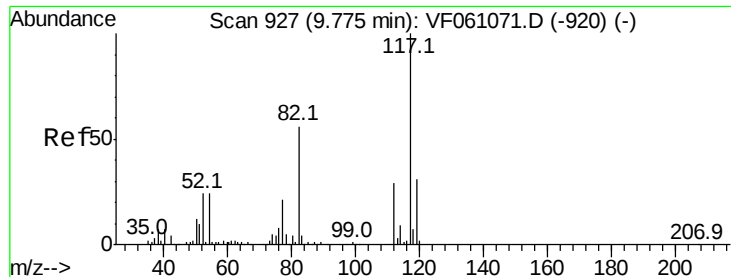
Tot Ion: 43 Resp: 160
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.2#



#62
4-Bromofluorobenzene
Concen: 2.675 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VF061165.D
Acq: 24 Dec 2018 15:12

Tgt Ion: 95 Resp: 239
Ion Ratio Lower Upper
95 100
174 0.0 0.0 143.8
176 0.0 0.0 147.6

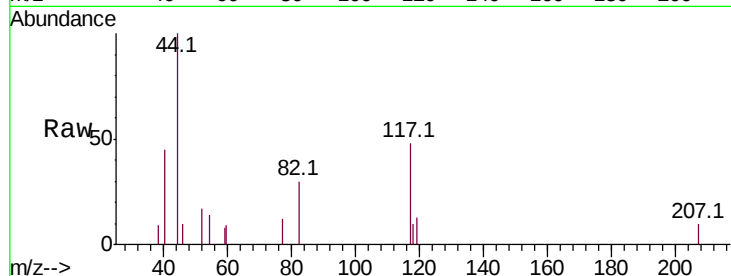




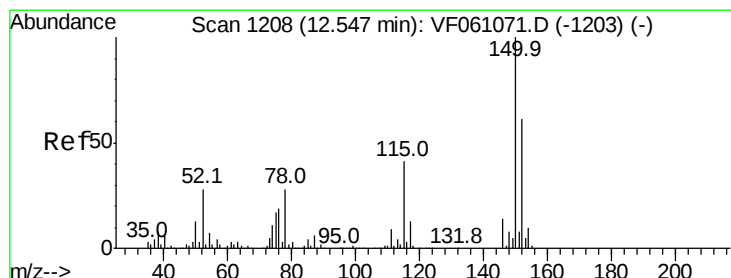
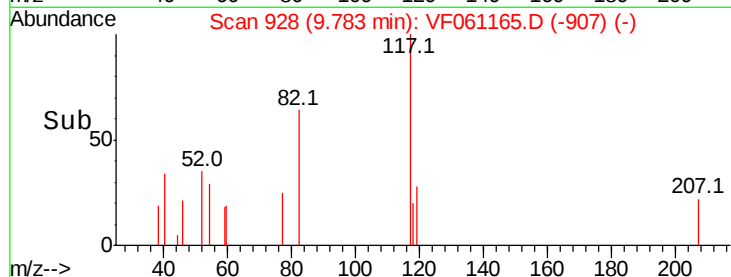
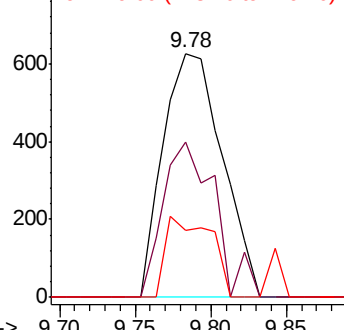
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF061165.D
Acq: 24 Dec 2018 15:12

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 1714
Ion Ratio Lower Upper
117 100
82 63.7 45.0 67.4
119 27.6 24.8 37.2

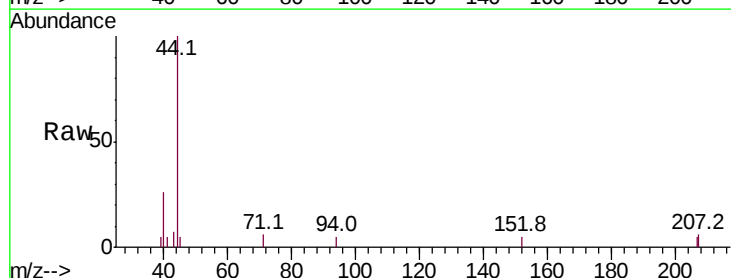


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

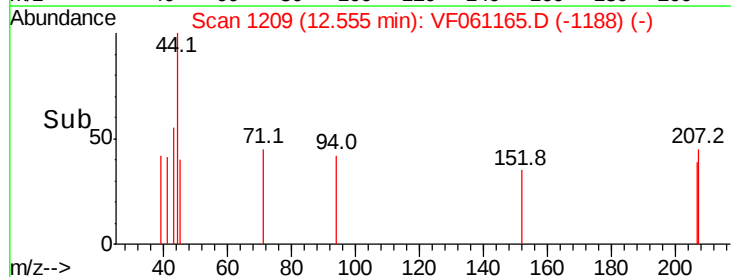
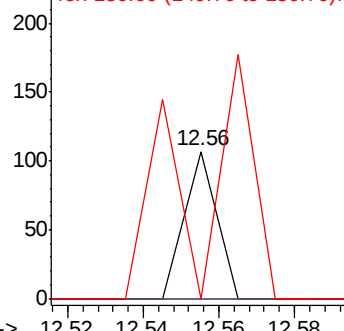


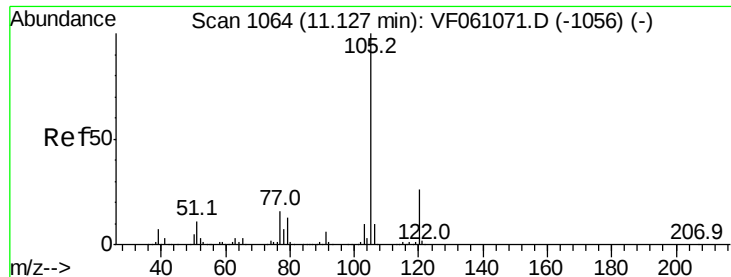
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF061165.D
Acq: 24 Dec 2018 15:12

Tgt Ion:152 Resp: 63
Ion Ratio Lower Upper
152 100
115 0.0 33.3 99.9#
150 0.0 0.0 328.2



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: 19.709 ug/l

RT: 11.19 min Scan# 1071

Delta R.T. 0.07 min

Lab File: VF061165.D

Acq: 24 Dec 2018 15:12

Instrument :

MSVOA_F

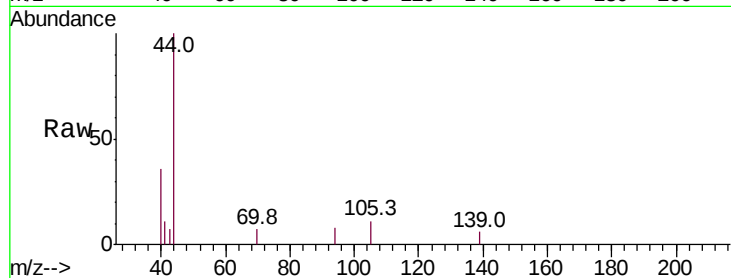
ClientSampled :

Tot Ion:105 Resp: 107

Ion Ratio Lower Upper

105 100

120 0.0 13.0 39.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.19

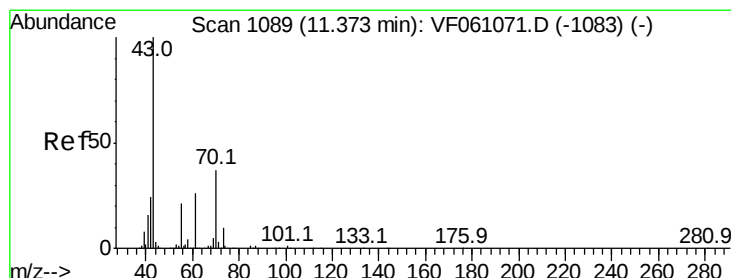
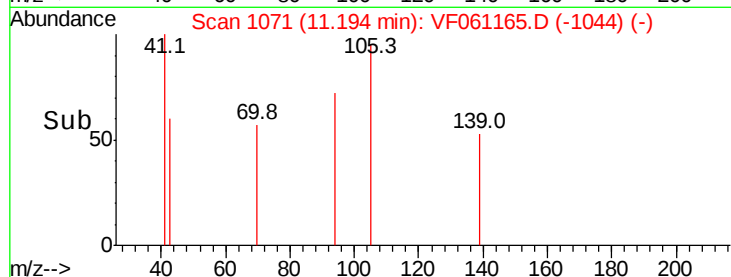
150

100

50

0

Time--> 11.16 11.18 11.20 11.22



#74

N-ethyl acetate

Concen: 91.261 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. 0.02 min

Lab File: VF061165.D

Acq: 24 Dec 2018 15:12

Tgt Ion: 43 Resp: 110

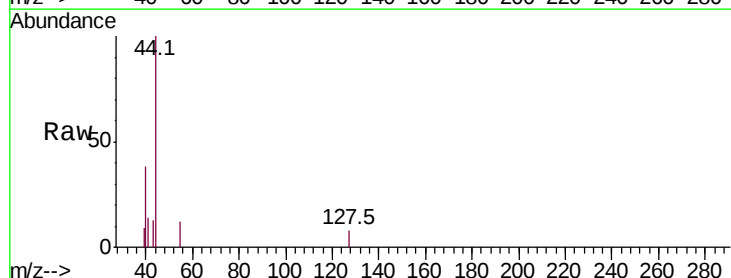
Ion Ratio Lower Upper

43 100

70 0.0 29.2 43.8#

55 92.5 16.5 24.7#

61 0.0 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

250

200

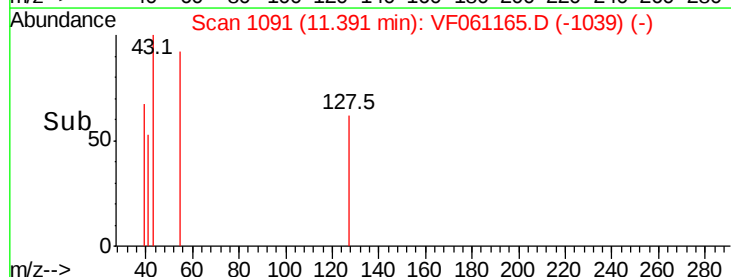
150

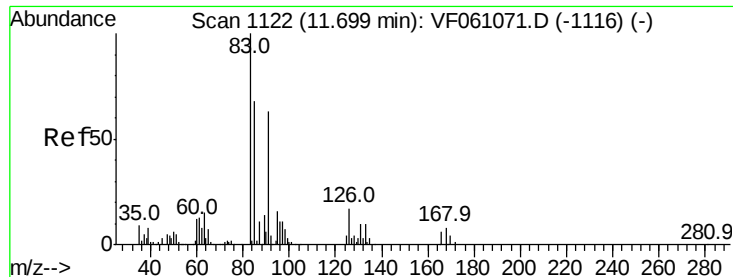
100

50

0

Time--> 11.38 11.39 11.40





#75

1,1,2,2-Tetrachloroethane

Concen: 91.006 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.12 min

Lab File: VF061165.D

Acq: 24 Dec 2018 15:12

Instrument :

MSVOA_F

ClientSampleId :

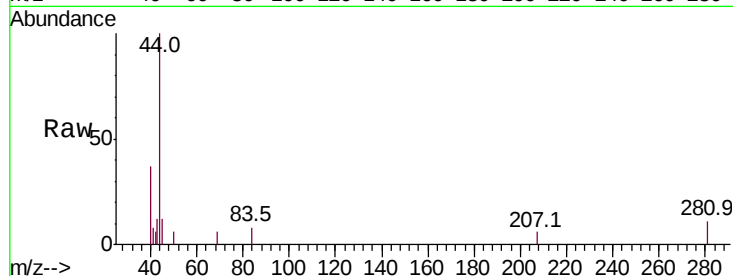
Tot Ion: 83 Resp: 82

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

85 0.0 33.9 101.6#



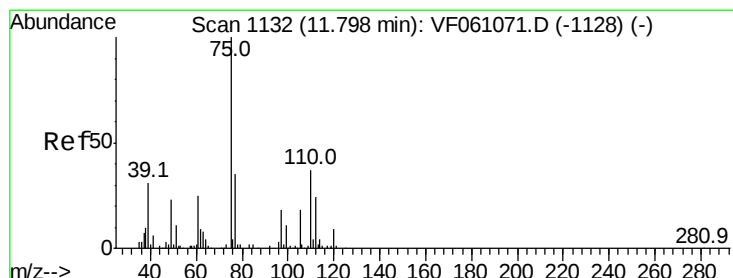
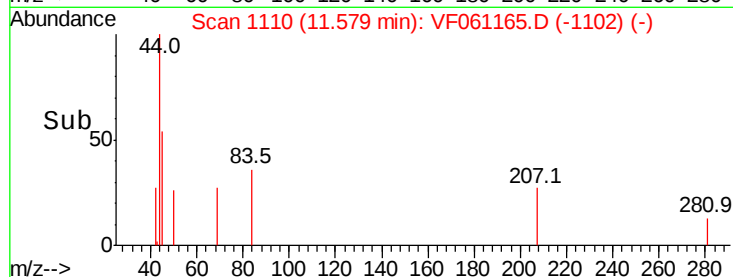
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0

11.58

Time--> 11.54 11.56 11.58 11.60



#76

1,2,3-Trichloropropane

Concen: 89.479 ug/l

RT: 11.74 min Scan# 1126

Delta R.T. -0.06 min

Lab File: VF061165.D

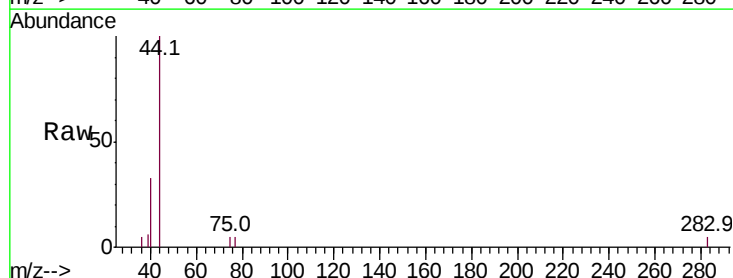
Acq: 24 Dec 2018 15:12

Tgt Ion: 75 Resp: 60

Ion Ratio Lower Upper

75 100

77 106.9 17.6 52.9#

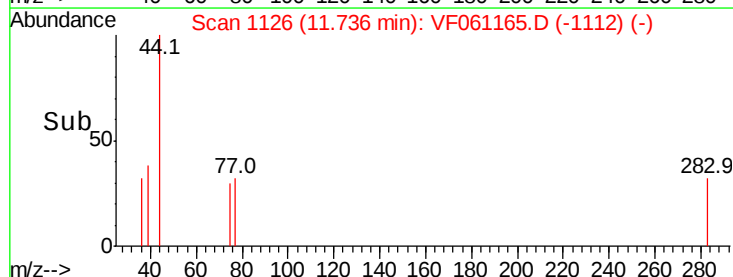


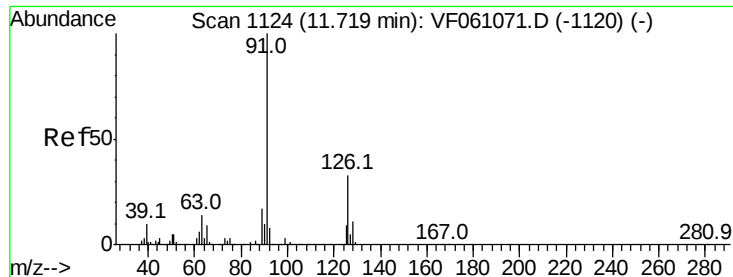
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

11.74

Time--> 11.70 11.72 11.74 11.76

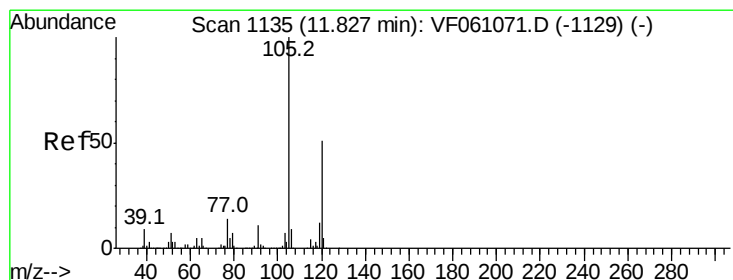
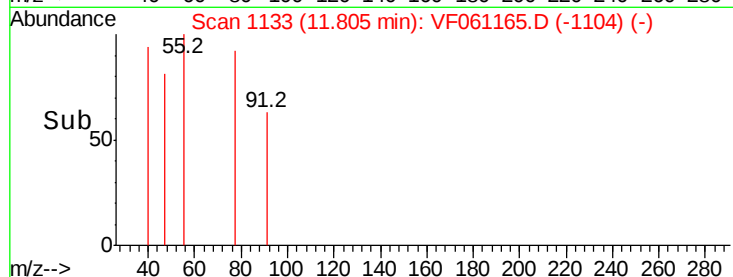
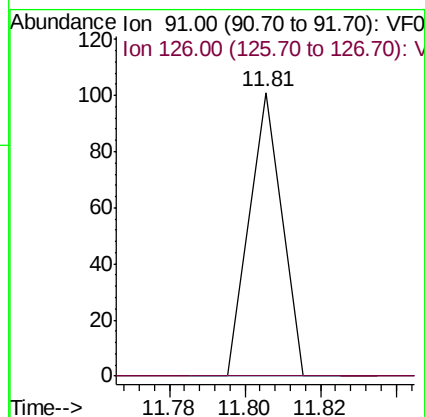
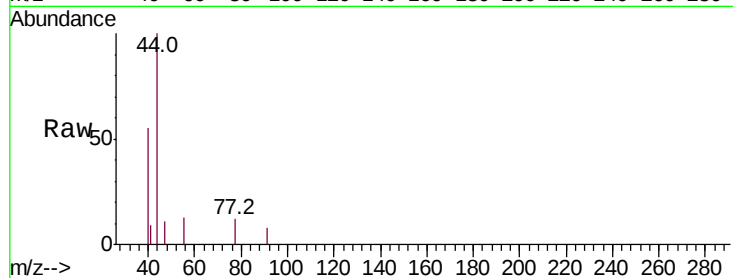




#79
 2-Chlorotoluene
 Concen: 16.110 ug/l
 RT: 11.81 min Scan# 1133
 Delta R.T. 0.09 min
 Lab File: VF061165.D
 Acq: 24 Dec 2018 15:12

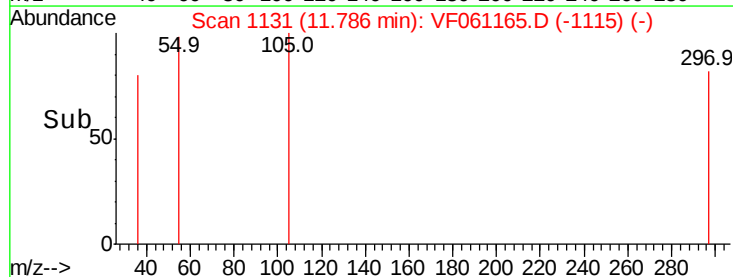
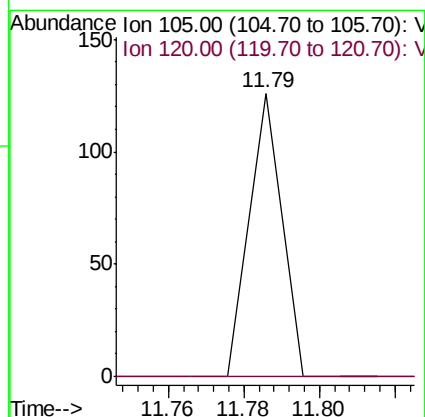
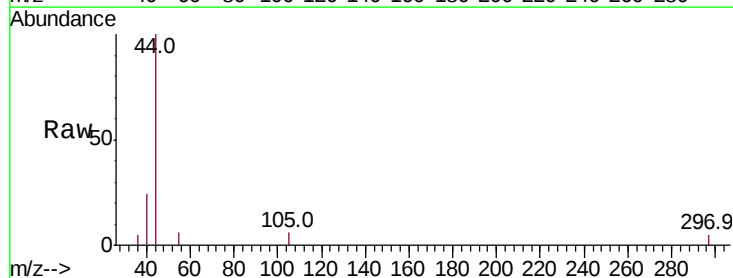
Instrument :
 MSVOA_F
 ClientSampleId :

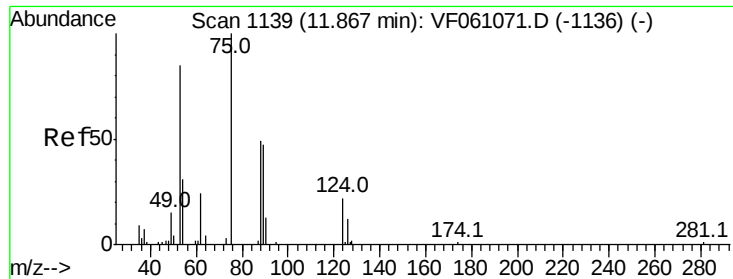
Tot Ion: 91 Resp: 60
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.4 49.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 16.777 ug/l
 RT: 11.79 min Scan# 1131
 Delta R.T. -0.04 min
 Lab File: VF061165.D
 Acq: 24 Dec 2018 15:12

Tgt Ion: 105 Resp: 75
 Ion Ratio Lower Upper
 105 100
 120 0.0 25.4 76.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 208.230 ug/l

RT: 11.74 min Scan# 1126

Delta R.T. -0.13 min

Lab File: VF061165.D

Acq: 24 Dec 2018 15:12

Instrument :

MSVOA_F

ClientSampled :

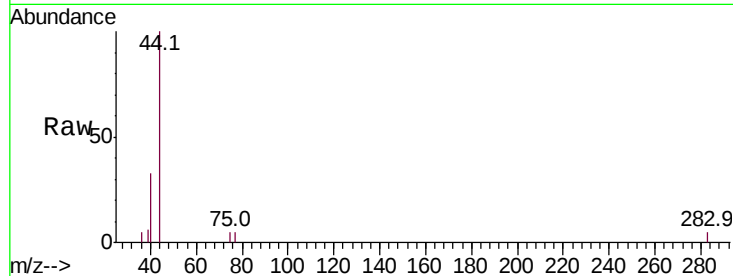
Tot Ion: 75 Resp: 60

Ion Ratio Lower Upper

75 100

53 0.0 74.1 111.1#

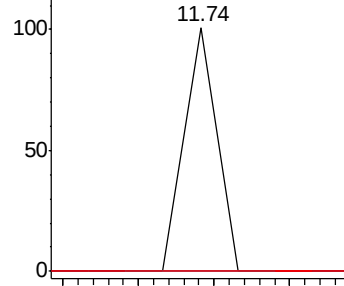
89 0.0 42.6 64.0#



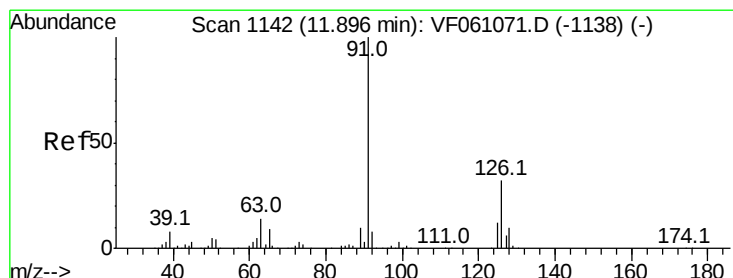
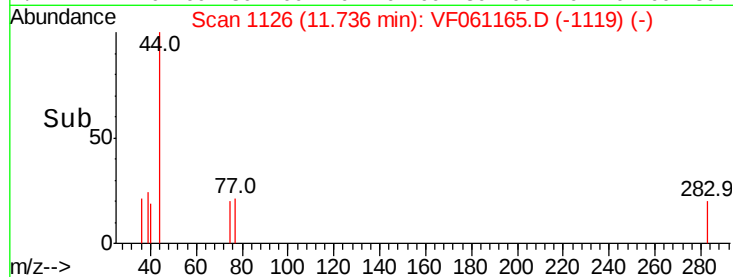
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



Time-->



#82

4-Chlorotoluene

Concen: 15.573 ug/l

RT: 11.81 min Scan# 1133

Delta R.T. -0.09 min

Lab File: VF061165.D

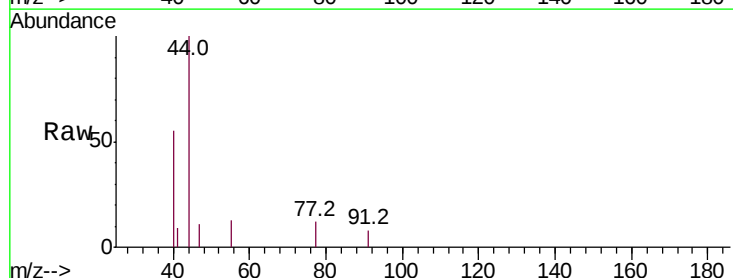
Acq: 24 Dec 2018 15:12

Tgt Ion: 91 Resp: 60

Ion Ratio Lower Upper

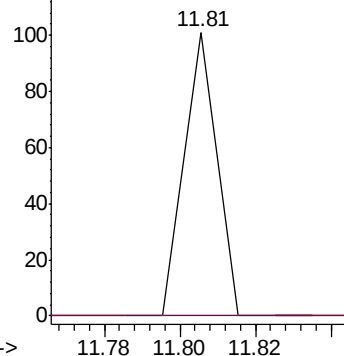
91 100

126 0.0 16.0 47.9#

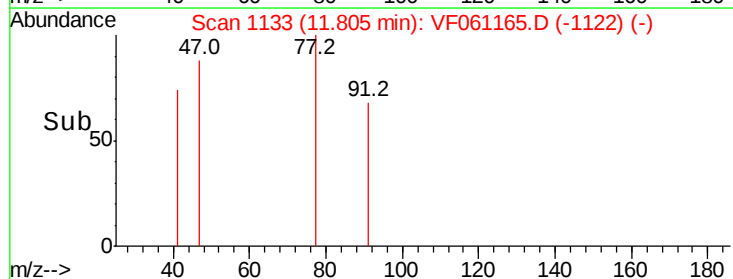


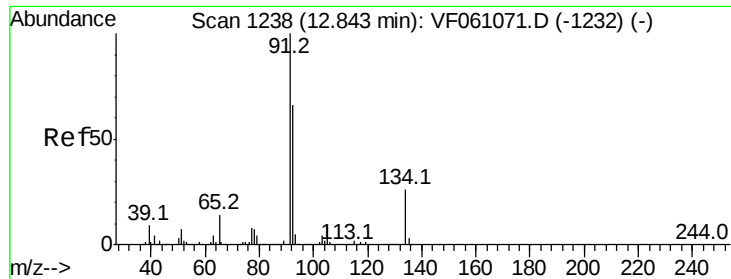
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time-->





#89

n-Butylbenzene

Concen: 11.110 ug/l

RT: 12.82 min Scan# 1236

Delta R.T. -0.02 min

Lab File: VF061165.D

Acq: 24 Dec 2018 15:12

Instrument :

MSVOA_F

ClientSampled :

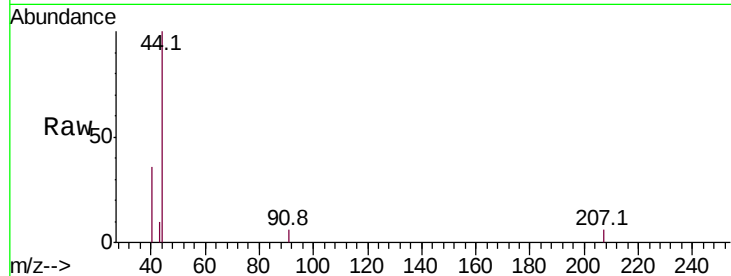
Tot Ion: 91 Resp: 65

Ion Ratio Lower Upper

91 100

92 0.0 32.8 98.4#

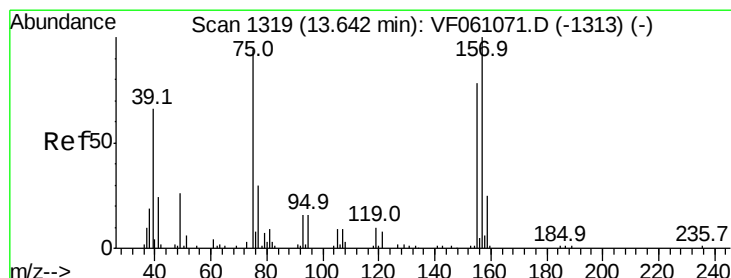
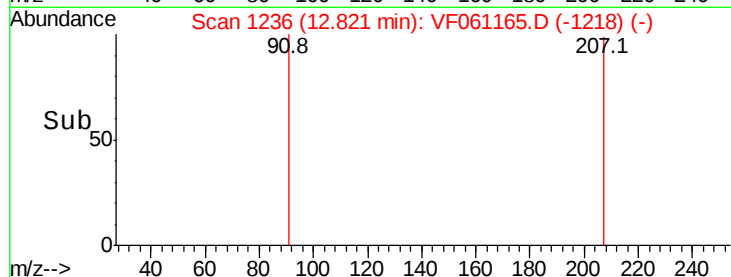
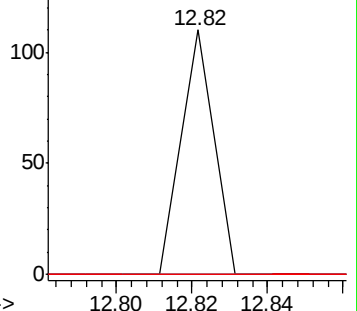
134 0.0 13.2 39.5#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 441.503 ug/l

RT: 13.73 min Scan# 1328

Delta R.T. 0.09 min

Lab File: VF061165.D

Acq: 24 Dec 2018 15:12

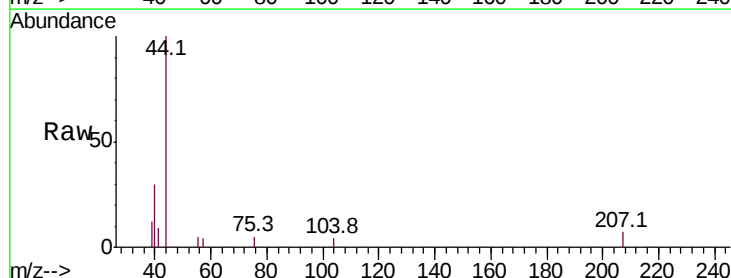
Tgt Ion: 75 Resp: 73

Ion Ratio Lower Upper

75 100

155 0.0 41.5 124.5#

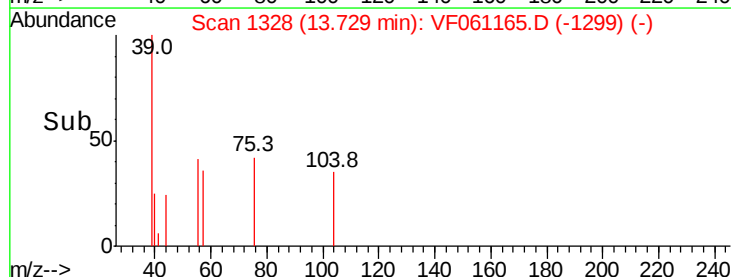
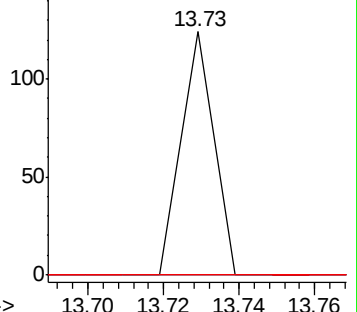
157 0.0 53.2 159.6#

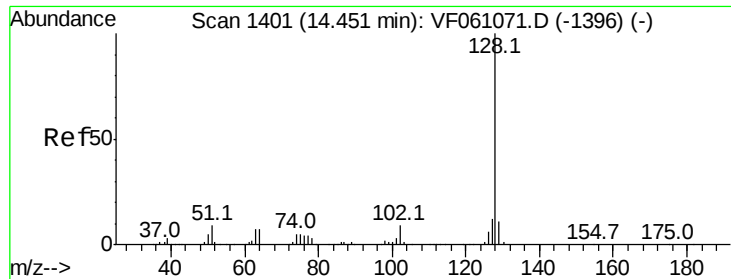


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#95

Naphthalene

Concen: 24.024 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. 0.01 min

Lab File: VF061165.D

Acq: 24 Dec 2018 15:12

Instrument :

MSVOA_F

ClientSampleId :

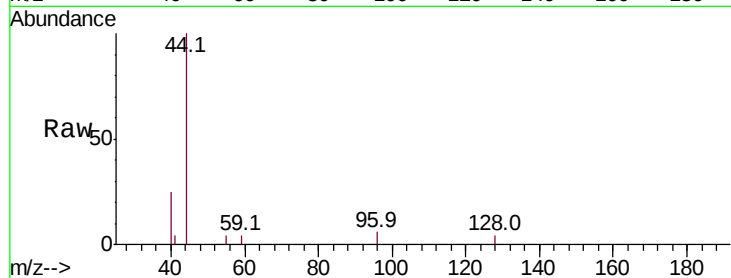
Tot Ion:128 Resp: 65

Ion Ratio Lower Upper

128 100

127 0.0 9.4 14.2#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

150 Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

