

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010919\
 Data File : VF061309.D
 Acq On : 9 Jan 2019 19:03
 Operator : VA/AP
 Sample : K1082-32
 Misc : 4.36g/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-6

Quant Time: Jan 10 05:58:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	9256	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.62	114	13278	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.79	117	8826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	2455	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	1888	18.33	ug/l	0.00
Spiked Amount			Recovery	=	36.66%	
35) Dibromofluoromethane	4.12	113	3608	35.51	ug/l	0.00
Spiked Amount			Recovery	=	71.02%	
50) Toluene-d8	7.57	98	12323	40.99	ug/l	0.00
Spiked Amount			Recovery	=	81.98%	
62) 4-Bromofluorobenzene	11.42	95	2933	22.34	ug/l	0.00
Spiked Amount			Recovery	=	44.68%	

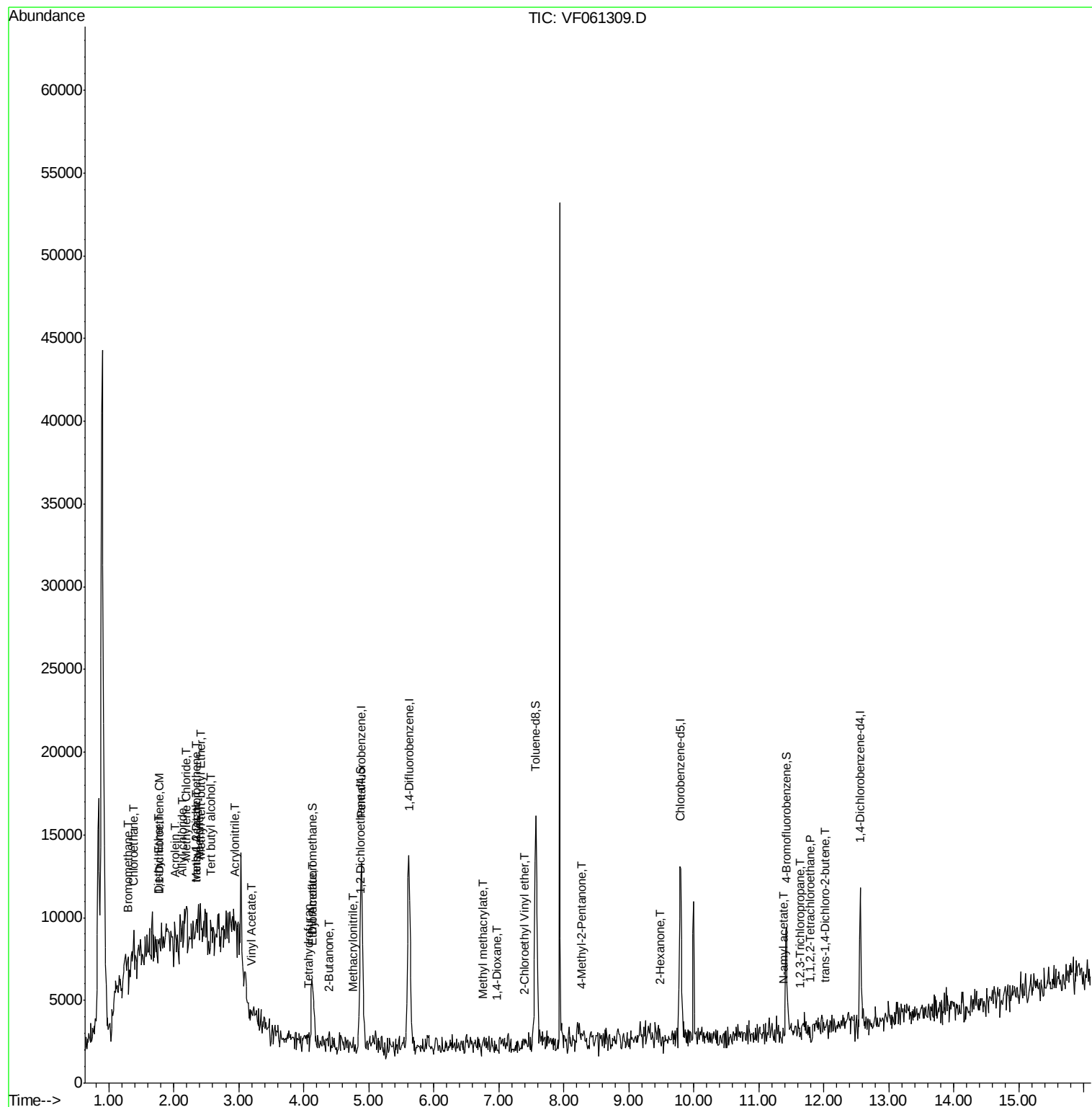
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.30	94	943	10.501	ug/l #	6
6) Chloroethane	1.38	64	92	1.386	ug/l #	12
8) Diethyl Ether	1.75	74	97	2.868	ug/l	78
11) Tert butyl alcohol	2.56	59	88	21.334	ug/l #	58
12) 1,1-Dichloroethene	1.78	96	103	1.059	ug/l #	1
13) Acrolein	2.01	56	151	13.626	ug/l #	1
14) Allyl chloride	2.14	41	1075	6.047	ug/l #	52
15) Acrylonitrile	2.94	53	330	22.568	ug/l #	30
16) Acetone	2.39	43	421	17.566	ug/l	91
18) Methyl Acetate	2.33	43	573	12.152	ug/l #	65
19) Methyl tert-butyl Ether	2.42	73	201	1.084	ug/l #	19
20) Methylene Chloride	2.19	84	684	6.746	ug/l #	85
21) trans-1,2-Dichloroethene	2.33	96	234	2.270	ug/l #	1
23) Vinyl Acetate	3.19	43	756	7.516	ug/l #	77
25) 2-Butanone	4.38	43	453	11.744	ug/l #	56
29) Tetrahydrofuran	4.07	42	137	8.495	ug/l #	49
37) Ethyl Acetate	4.15	43	304	5.384	ug/l #	1
41) Methacrylonitrile	4.76	41	93	2.949	ug/l #	28
48) Methyl methacrylate	6.75	41	63	1.302	ug/l #	21
49) 1,4-Dioxane	6.96	88	70	229.265	ug/l #	15
51) 4-Methyl-2-Pentanone	8.29	43	204	3.625	ug/l #	38
58) 2-Chloroethyl Vinyl ether	7.39	63	63	20.316	ug/l #	56
59) 2-Hexanone	9.48	43	504	12.643	ug/l #	27
74) N-ethyl acetate	11.37	43	211	4.297	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	11.79	83	60	1.752	ug/l #	25
76) 1,2,3-Trichloropropane	11.65	75	65	2.587	ug/l #	40
81) trans-1,4-Dichloro-2-buten	12.02	75	78	7.105	ug/l #	17

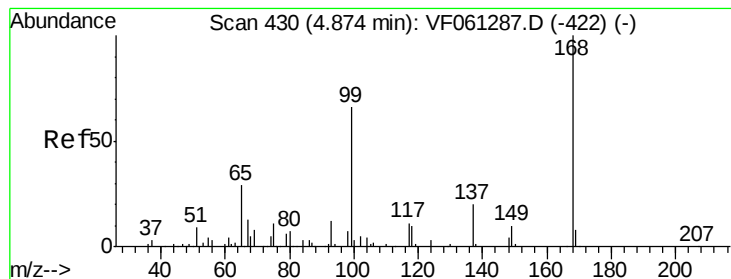
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 10 05:58:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. 0.02 min

Lab File: VF061309.D

Acq: 9 Jan 2019 19:03

Instrument :

MSVOA_F

ClientSampled :

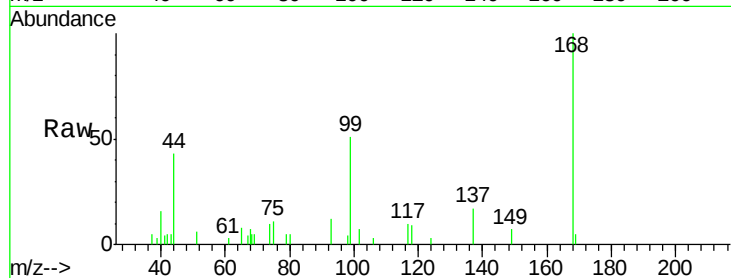
SP-1-6

Tot Ion:168 Resp: 9256

Ion Ratio Lower Upper

168 100

99 51.2 52.7 79.1#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.90

3000

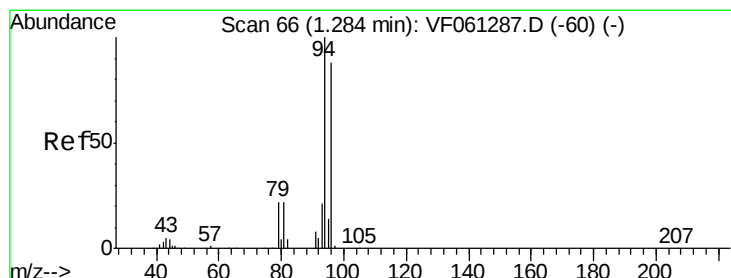
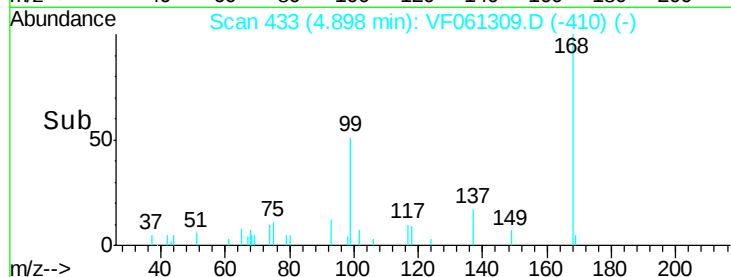
2000

1000

0

4.80 4.85 4.90 4.95 5.00

Time-->



#5

Bromomethane

Concen: 10.501 ug/l

RT: 1.30 min Scan# 68

Delta R.T. 0.01 min

Lab File: VF061309.D

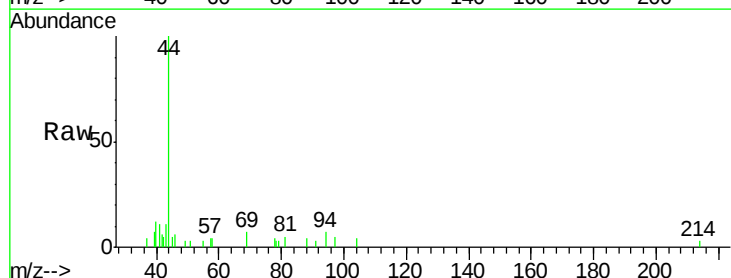
Acq: 9 Jan 2019 19:03

Tgt Ion: 94 Resp: 943

Ion Ratio Lower Upper

94 100

96 0.0 70.2 105.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

300

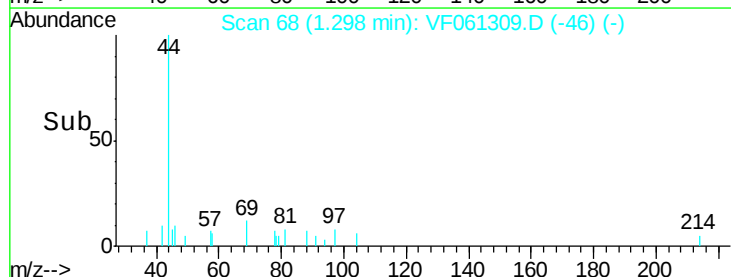
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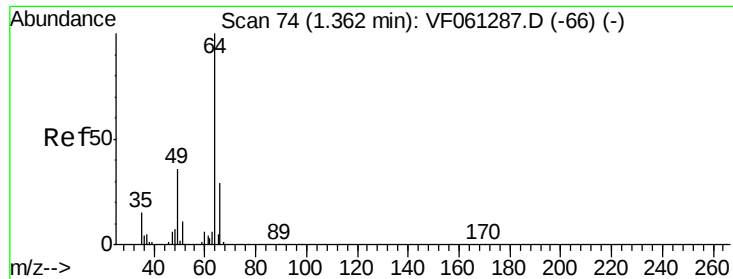
100

0

1.20 1.25 1.30 1.35

Time-->

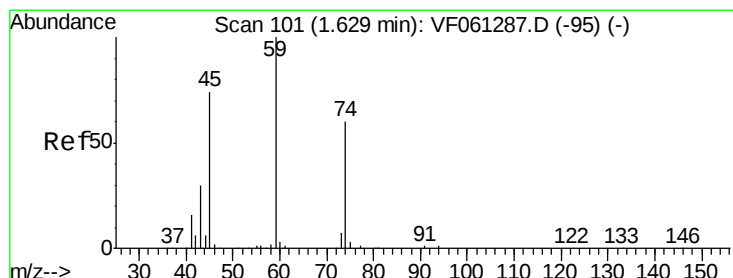
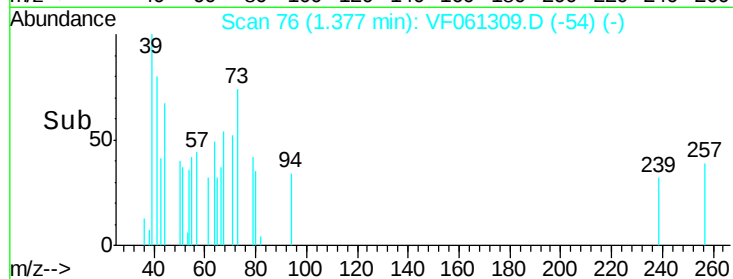
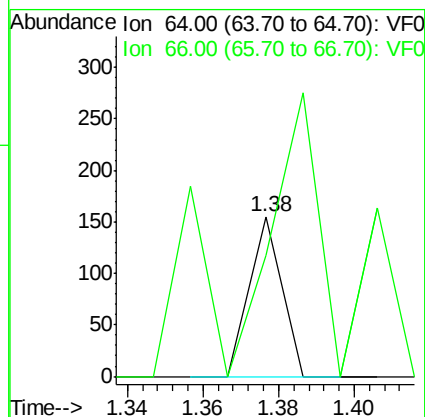
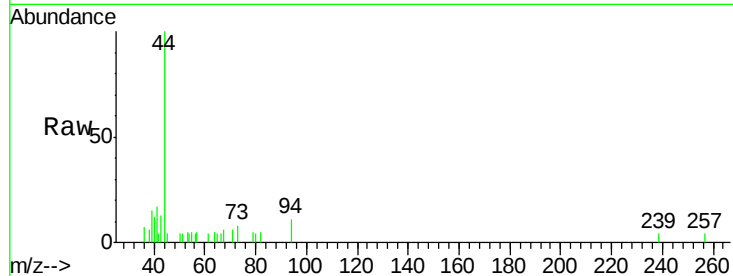




#6
Chloroethane
Concen: 1.386 ug/l
RT: 1.38 min Scan# 76
Delta R.T. 0.01 min
Lab File: VF061309.D
Acq: 9 Jan 2019 19:03

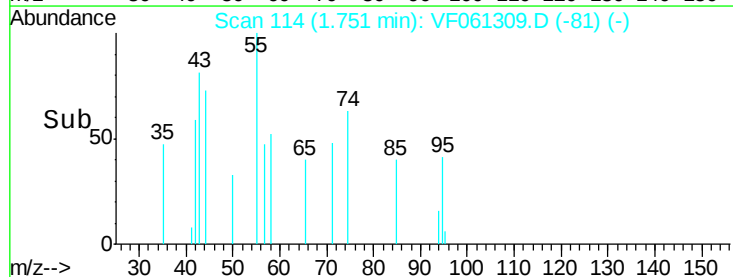
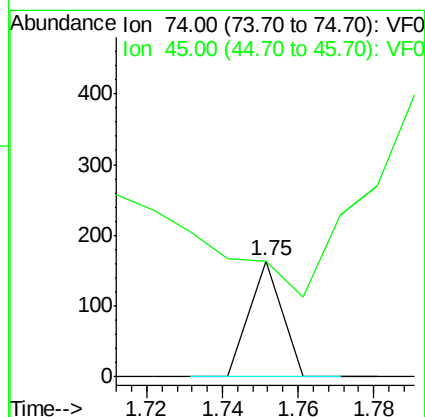
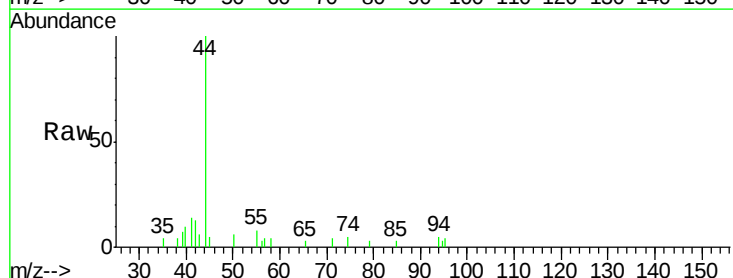
Instrument :
MSVOA_F
ClientSampled :
SP-1-6

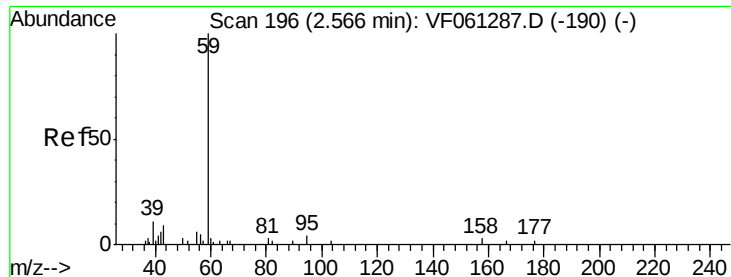
Tot Ion: 64 Resp: 92
Ion Ratio Lower Upper
64 100
66 76.1 23.4 35.0#



#8
Diethyl Ether
Concen: 2.868 ug/l
RT: 1.75 min Scan# 114
Delta R.T. 0.12 min
Lab File: VF061309.D
Acq: 9 Jan 2019 19:03

Tgt Ion: 74 Resp: 97
Ion Ratio Lower Upper
74 100
45 99.4 62.1 186.3

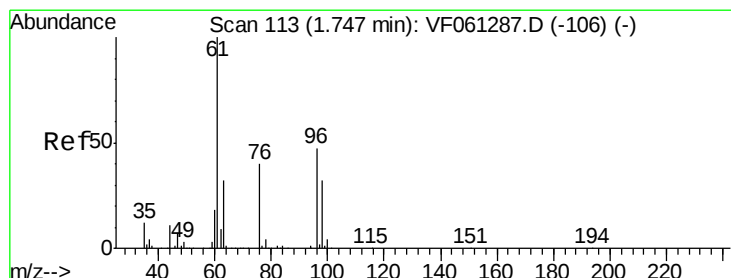
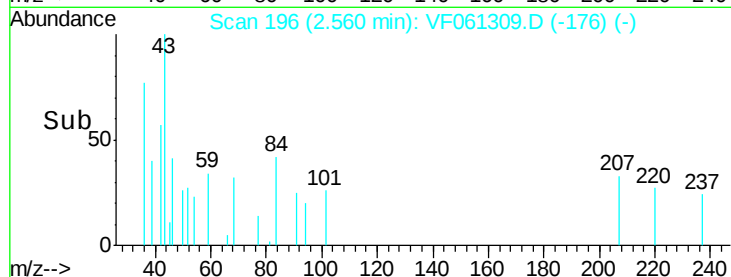
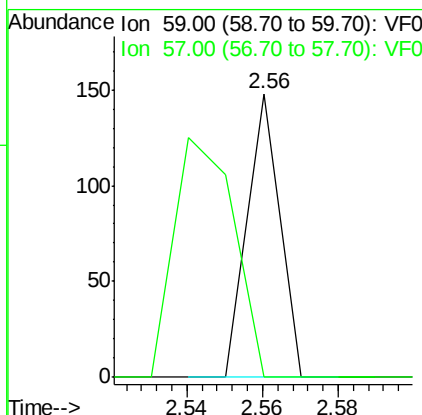
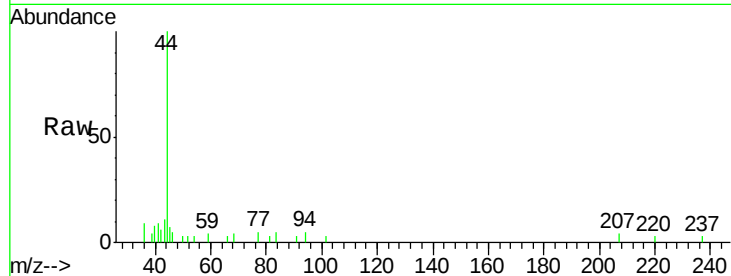




#11
Tert butyl alcohol
Concen: 21.334 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.01 min
Lab File: VF061309.D
Acq: 9 Jan 2019 19:03

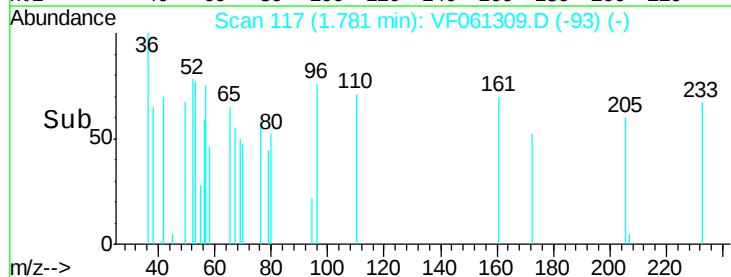
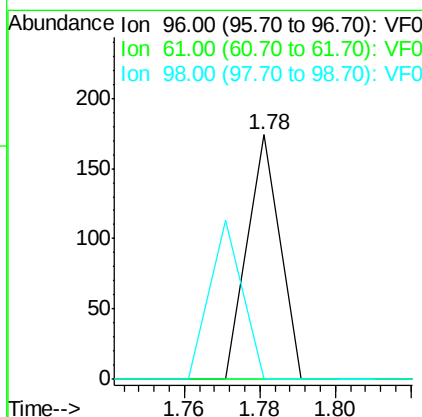
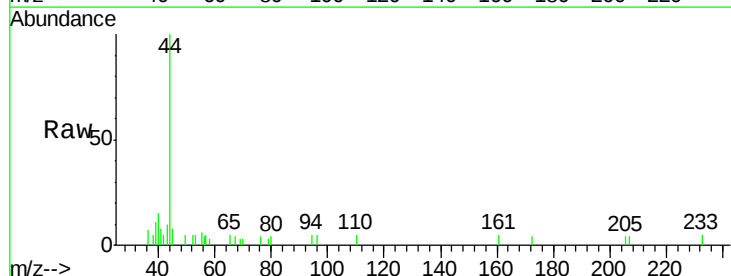
Instrument :
MSVOA_F
ClientSampleId :
SP-1-6

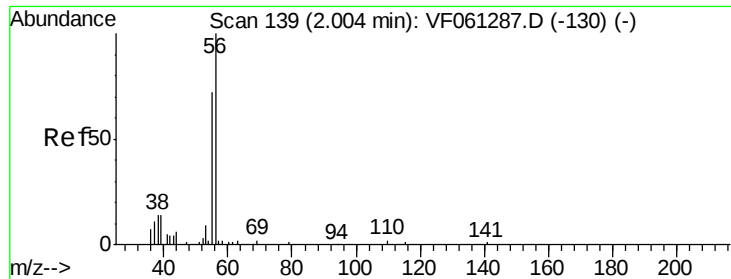
Tot Ion: 59 Resp: 88
Ion Ratio Lower Upper
59 100
57 0.0 15.1 22.7#



#12
1,1-Dichloroethene
Concen: 1.059 ug/l
RT: 1.78 min Scan# 117
Delta R.T. 0.03 min
Lab File: VF061309.D
Acq: 9 Jan 2019 19:03

Tgt Ion: 96 Resp: 103
Ion Ratio Lower Upper
96 100
61 0.0 171.8 257.8#
98 0.0 54.2 81.4#





#13

Acrolein

Concen: 13.626 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF061309.D

Acq: 9 Jan 2019 19:03

Instrument :

MSVOA_F

ClientSampleId :

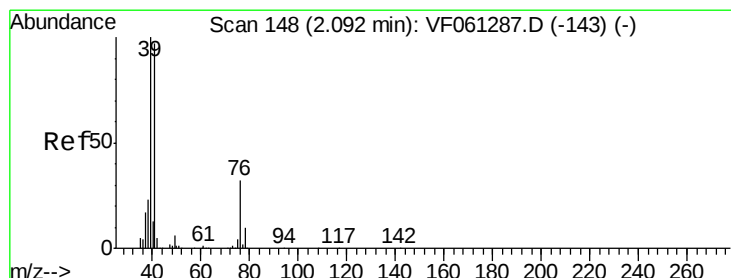
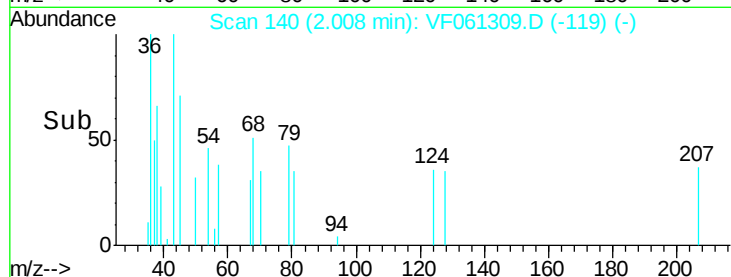
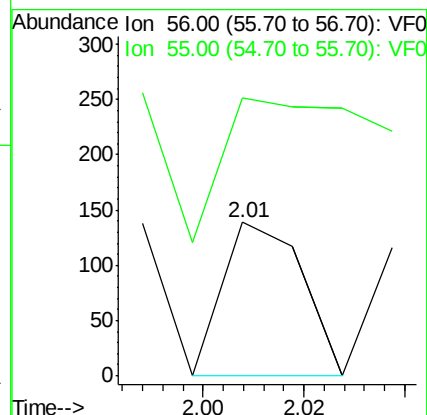
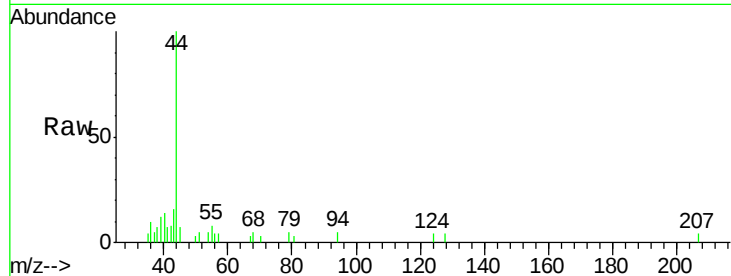
SP-1-6

Tot Ion: 56 Resp: 151

Ion Ratio Lower Upper

56 100

55 180.6 59.4 89.0#



#14

Allyl chloride

Concen: 6.047 ug/l

RT: 2.14 min Scan# 153

Delta R.T. 0.04 min

Lab File: VF061309.D

Acq: 9 Jan 2019 19:03

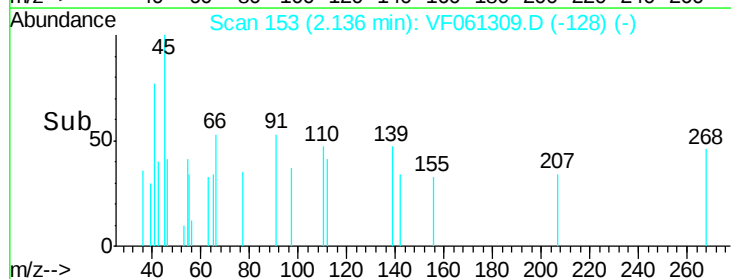
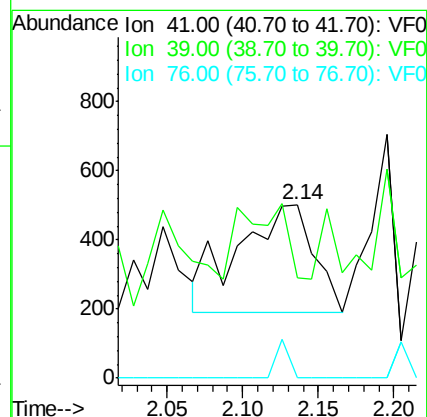
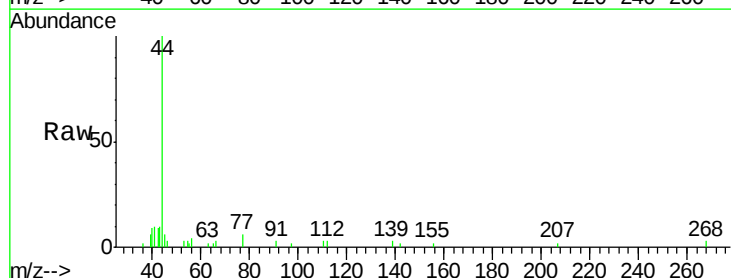
Tgt Ion: 41 Resp: 1075

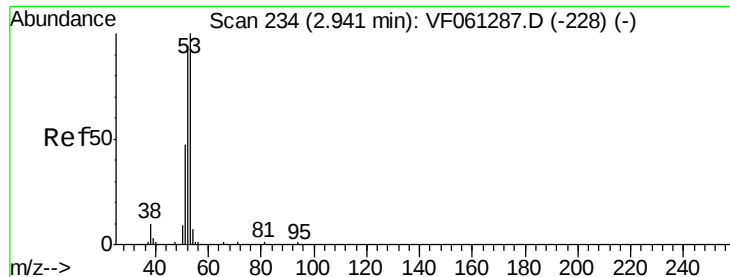
Ion Ratio Lower Upper

41 100

39 57.6 82.6 123.8#

76 0.0 26.9 40.3#





#15

Acrylonitrile

Concen: 22.568 ug/l

RT: 2.94 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF061309.D

Acq: 9 Jan 2019 19:03

Instrument :

MSVOA_F

ClientSampleId :

SP-1-6

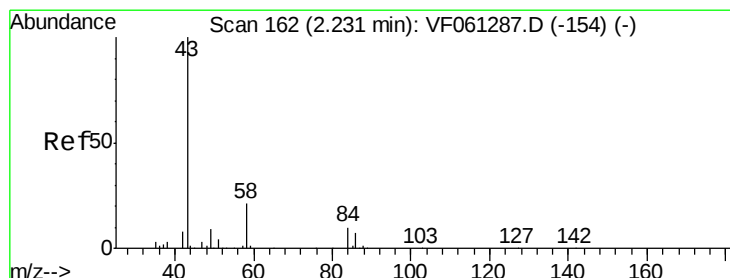
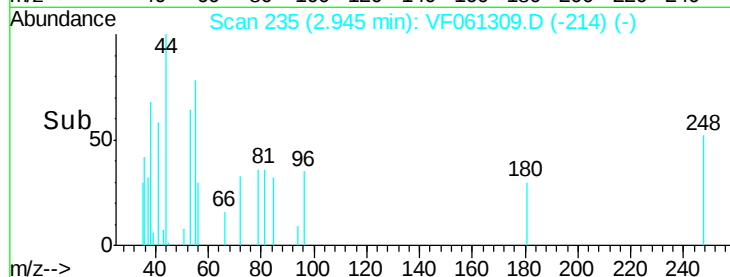
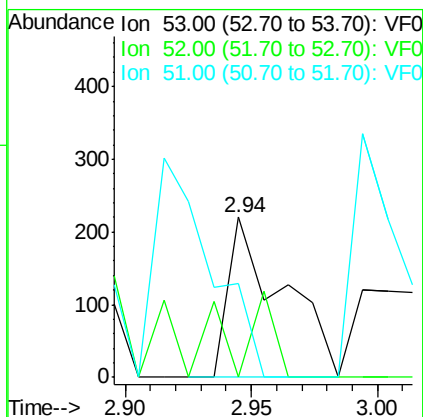
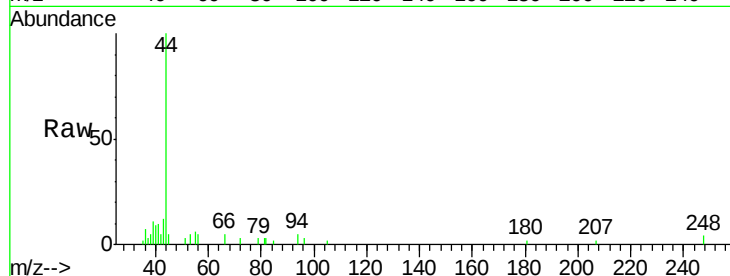
Tot Ion: 53 Resp: 330

Ion Ratio Lower Upper

53 100

52 0.0 74.6 111.8#

51 58.6 37.8 56.6#



#16

Acetone

Concen: 17.566 ug/l

RT: 2.39 min Scan# 179

Delta R.T. 0.16 min

Lab File: VF061309.D

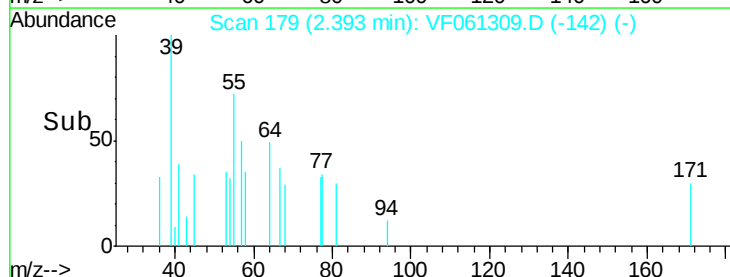
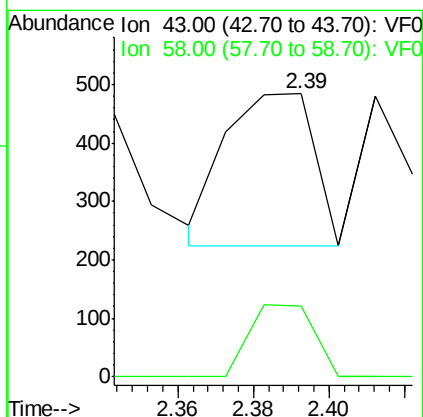
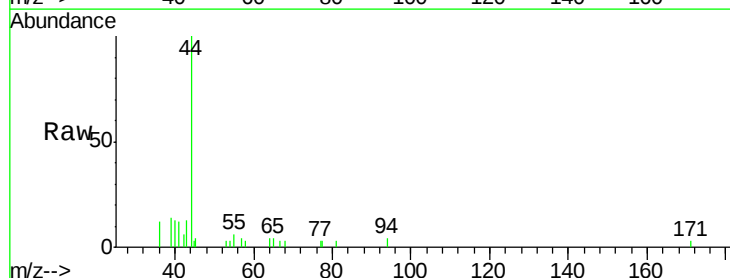
Acq: 9 Jan 2019 19:03

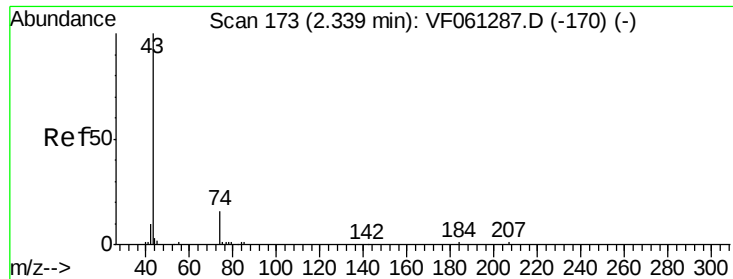
Tgt Ion: 43 Resp: 421

Ion Ratio Lower Upper

43 100

58 24.8 16.6 25.0

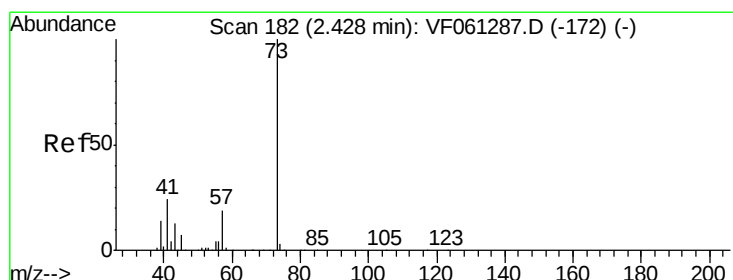
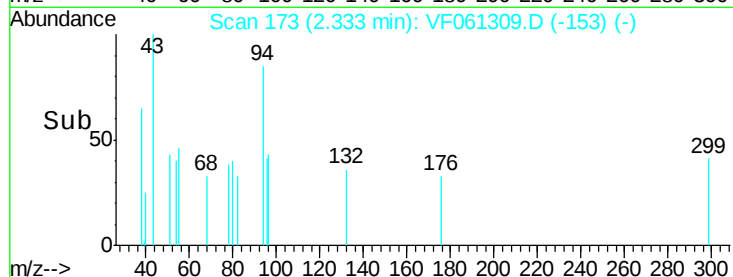
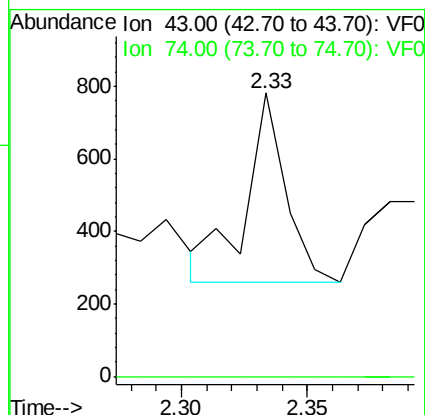
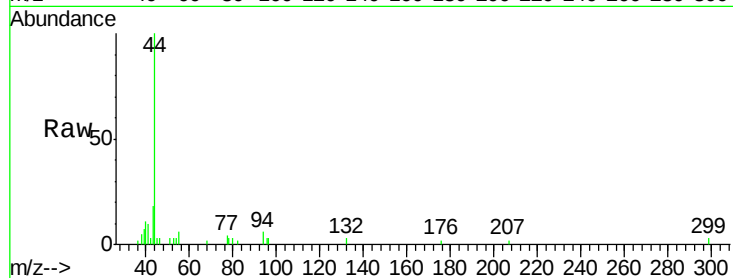




#18
Methyl Acetate
Concen: 12.152 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF061309.D
Acq: 9 Jan 2019 19:03

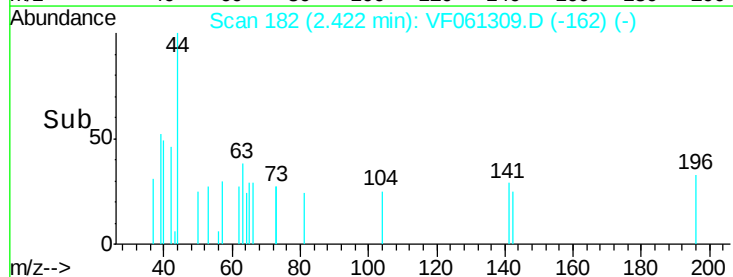
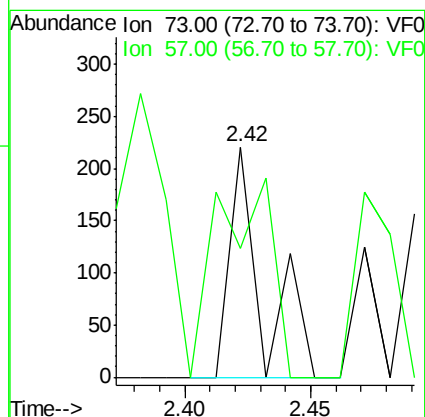
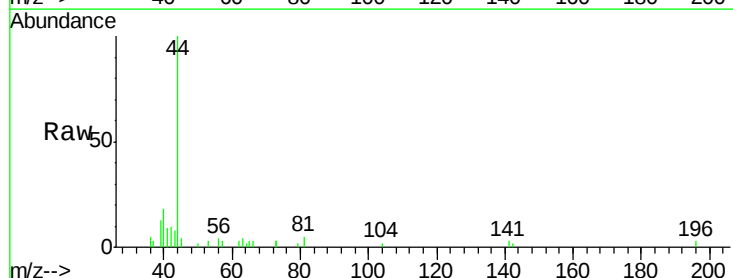
Instrument :
MSVOA_F
ClientSampled :
SP-1-6

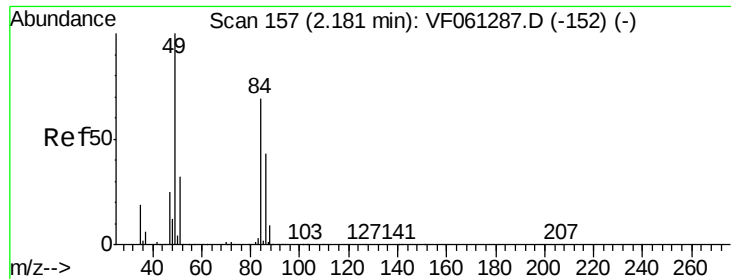
Tot Ion: 43 Resp: 573
Ion Ratio Lower Upper
43 100
74 0.0 11.6 17.4#



#19
Methyl tert-butyl Ether
Concen: 1.084 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF061309.D
Acq: 9 Jan 2019 19:03

Tgt Ion: 73 Resp: 201
Ion Ratio Lower Upper
73 100
57 56.1 15.5 23.3#

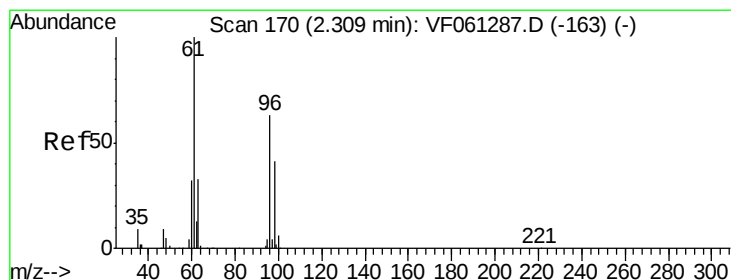
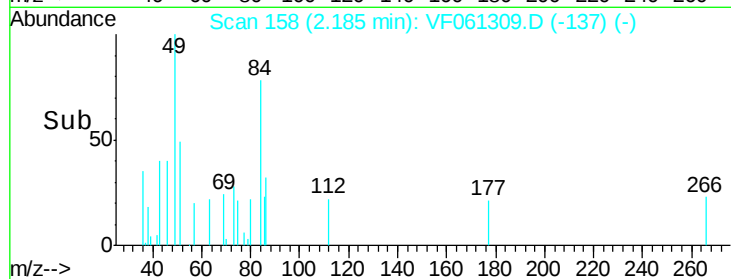
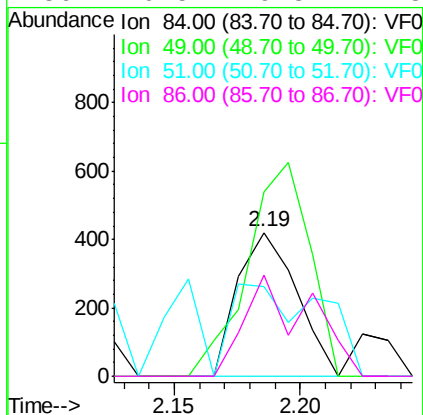
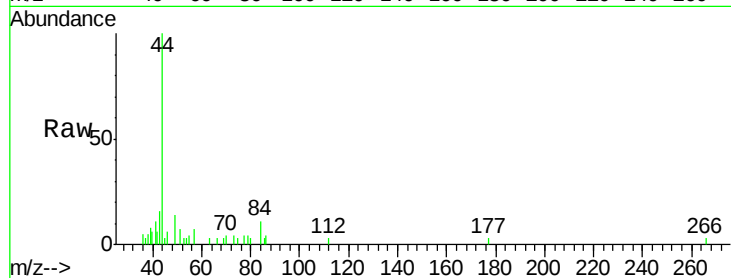




#20
Methvlene Chloride
Concen: 6.746 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF061309.D
Acq: 9 Jan 2019 19:03

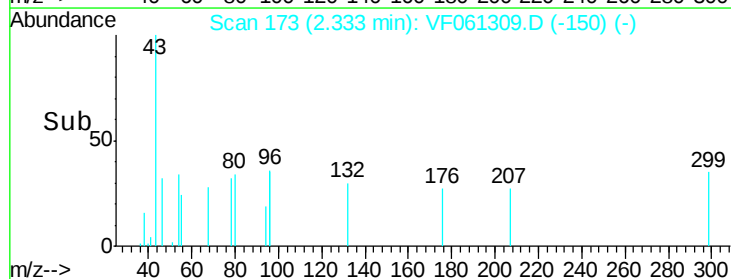
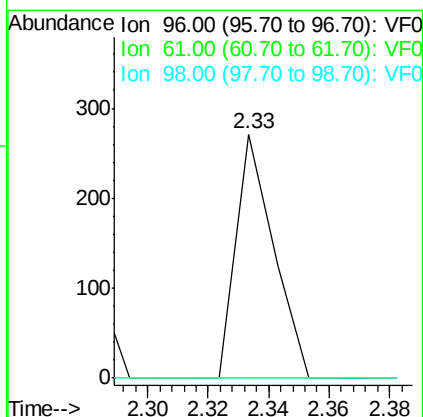
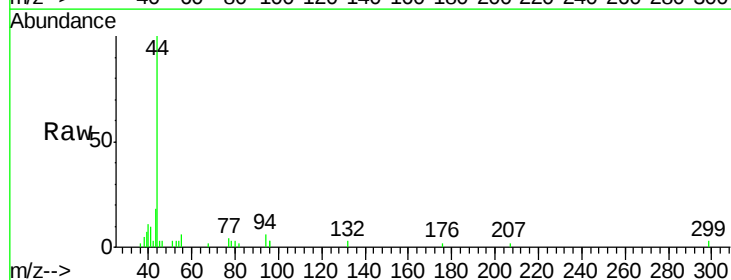
Instrument :
MSVOA_F
ClientSampleId :
SP-1-6

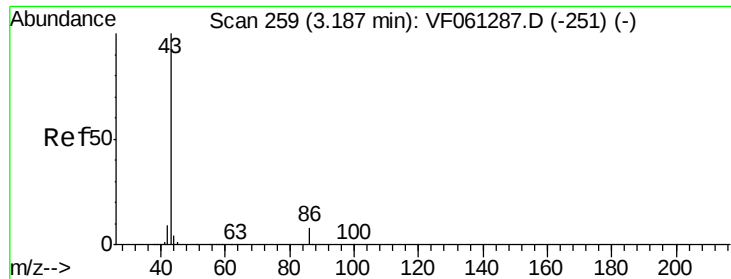
Tot Ion: 84 Resp: 684
Ion Ratio Lower Upper
84 100
49 128.6 116.6 175.0
51 62.4 37.7 56.5#
86 70.5 49.8 74.8



#21
trans-1,2-Dichloroethene
Concen: 2.270 ug/l
RT: 2.33 min Scan# 173
Delta R.T. 0.02 min
Lab File: VF061309.D
Acq: 9 Jan 2019 19:03

Tgt Ion: 96 Resp: 234
Ion Ratio Lower Upper
96 100
61 0.0 127.0 190.4#
98 0.0 51.7 77.5#

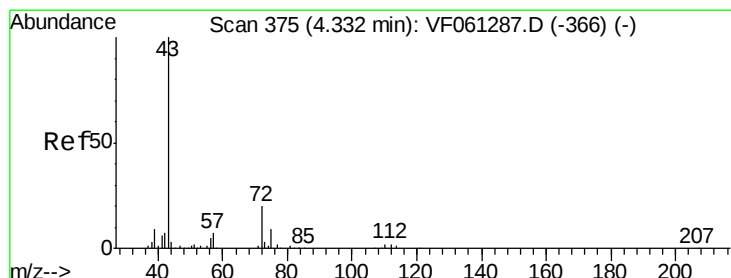
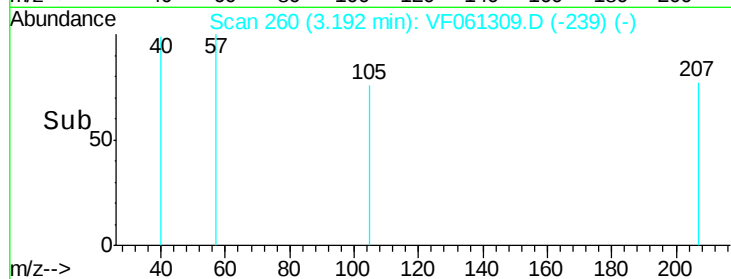
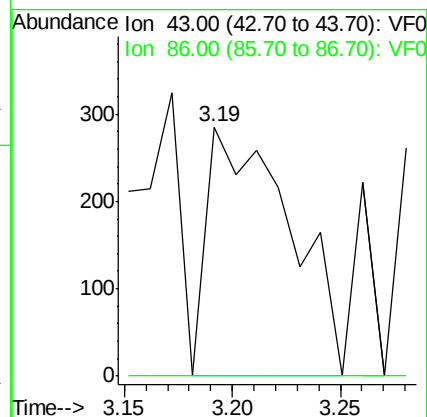
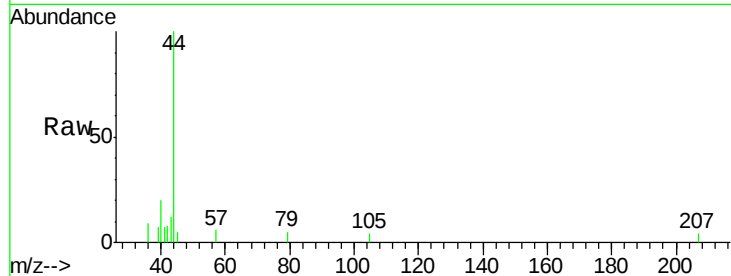




#23
 Vinyl Acetate
 Concen: 7.516 ug/l
 RT: 3.19 min Scan# 260
 Delta R.T. 0.00 min
 Lab File: VF061309.D
 Acq: 9 Jan 2019 19:03

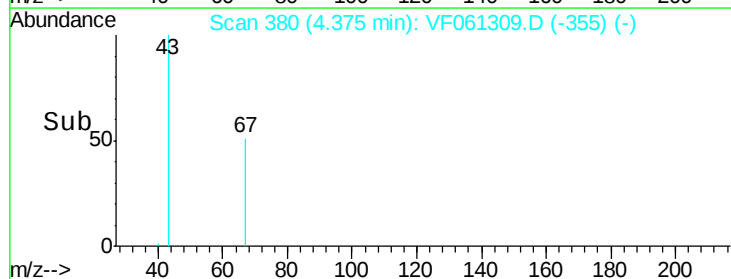
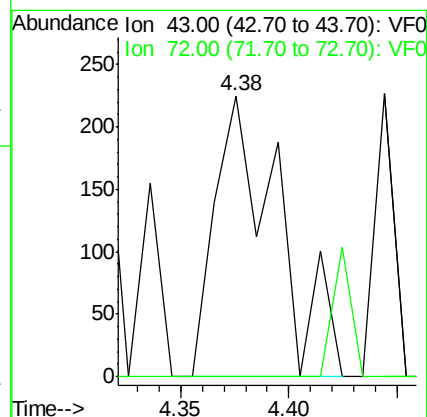
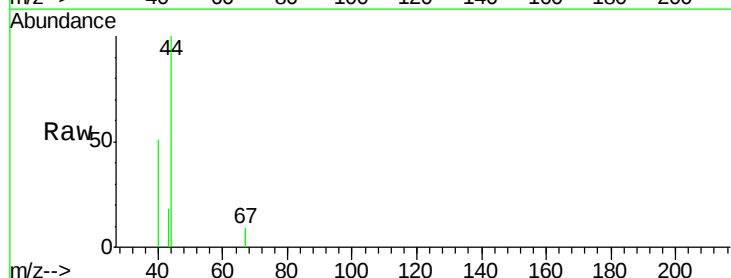
Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-6

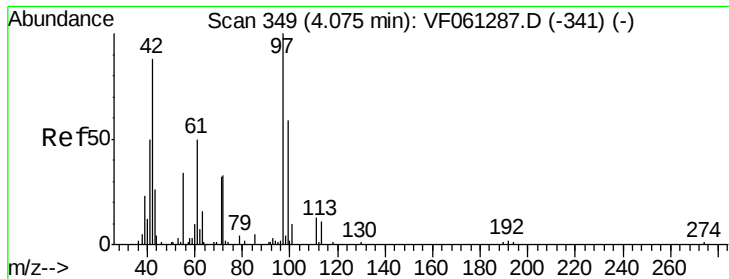
Tot Ion: 43 Resp: 756
 Ion Ratio Lower Upper
 43 100
 86 0.0 6.5 9.7#



#25
 2-Butanone
 Concen: 11.744 ug/l
 RT: 4.38 min Scan# 380
 Delta R.T. 0.04 min
 Lab File: VF061309.D
 Acq: 9 Jan 2019 19:03

Tgt Ion: 43 Resp: 453
 Ion Ratio Lower Upper
 43 100
 72 0.0 16.5 24.7#





#29

Tetrahydrofuran

Concen: 8.495 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.01 min

Lab File: VF061309.D

Acq: 9 Jan 2019 19:03

Instrument :

MSVOA_F

ClientSampled :

SP-1-6

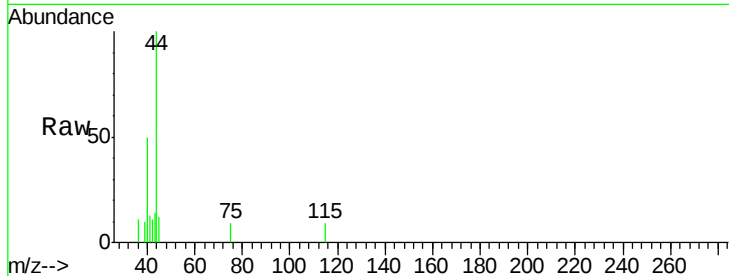
Tot Ion: 42 Resp: 137

Ion Ratio Lower Upper

42 100

72 0.0 32.3 48.5#

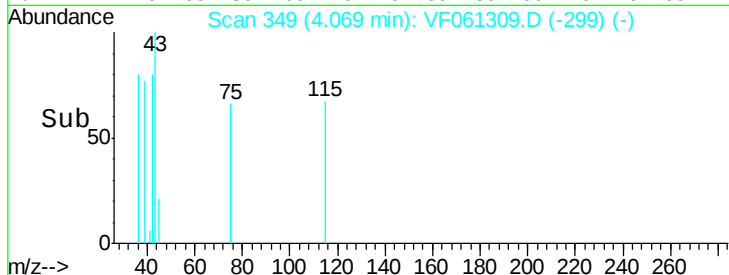
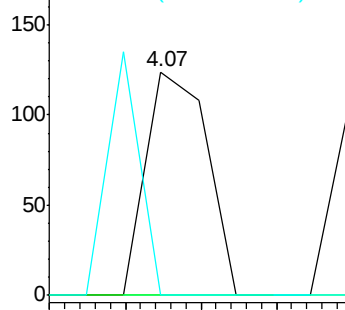
71 58.4 29.5 44.3#



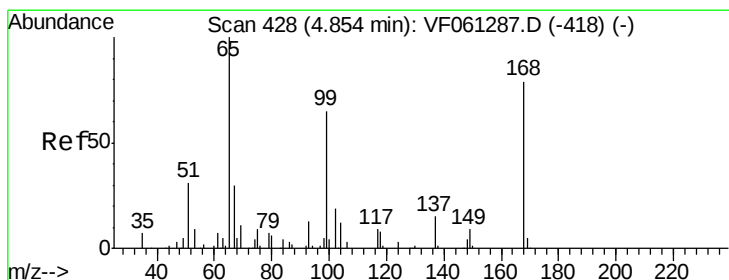
Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



Time-->



#33

1,2-Dichloroethane-d4

Concen: 18.326 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.00 min

Lab File: VF061309.D

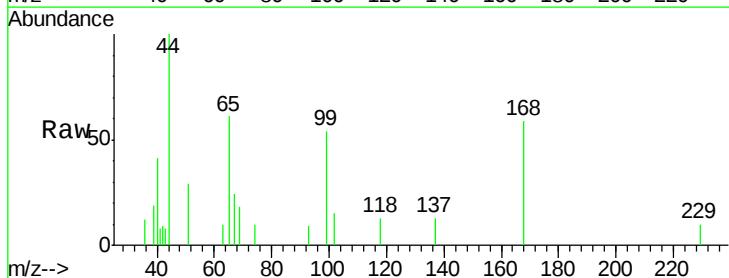
Acq: 9 Jan 2019 19:03

Tgt Ion: 65 Resp: 1888

Ion Ratio Lower Upper

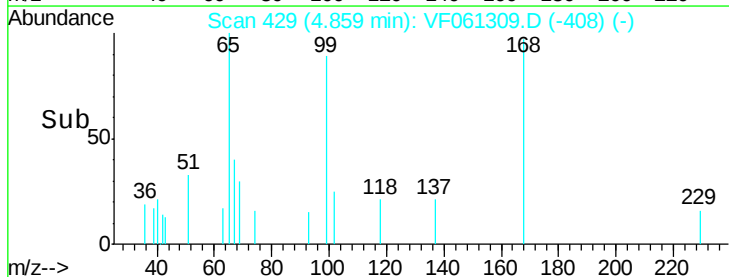
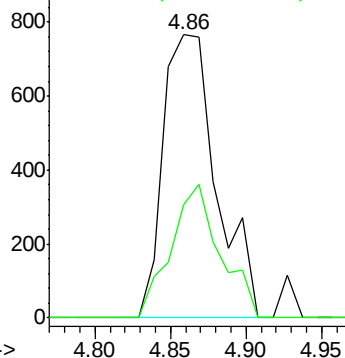
65 100

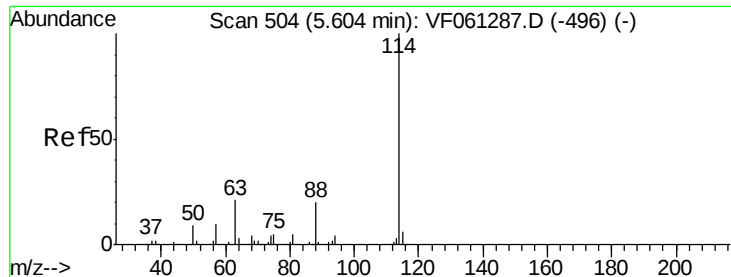
67 39.9 0.0 98.2



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: 5.62 min Scan# 506

Delta R.T. 0.01 min

Lab File: VF061309.D

Acq: 9 Jan 2019 19:03

Instrument :

MSVOA_F

ClientSampleId :

SP-1-6

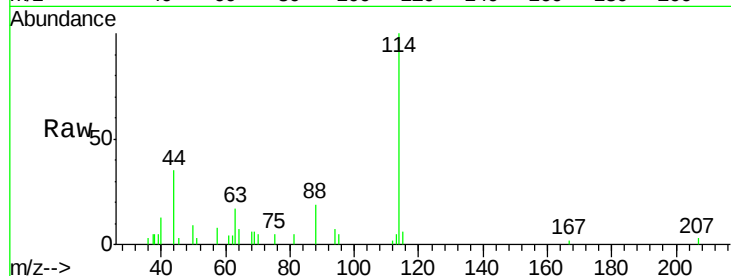
Tot Ion:114 Resp: 13278

Ion Ratio Lower Upper

114 100

63 16.9 0.0 42.8

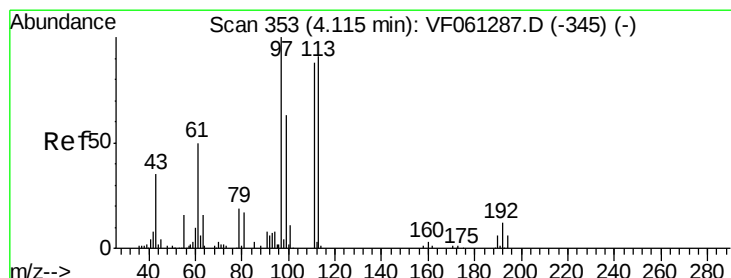
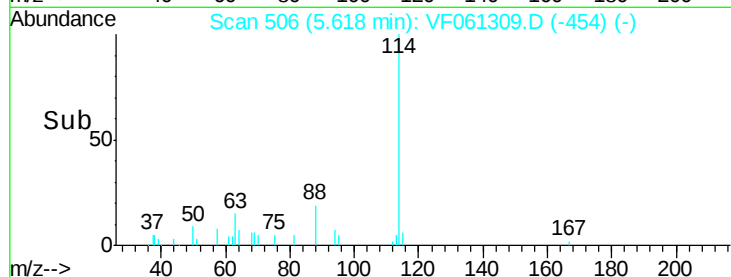
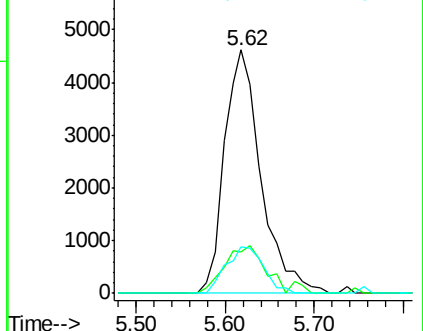
88 18.8 0.0 40.0



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: 35.512 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.00 min

Lab File: VF061309.D

Acq: 9 Jan 2019 19:03

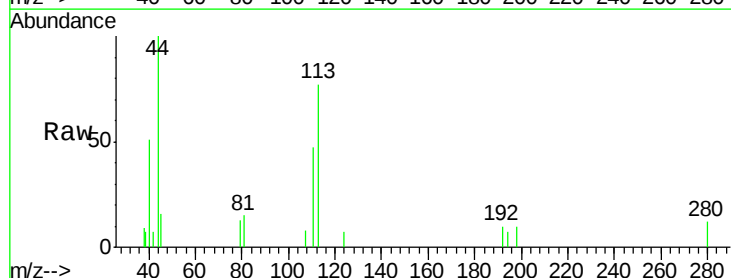
Tgt Ion:113 Resp: 3608

Ion Ratio Lower Upper

113 100

111 61.6 78.0 117.0#

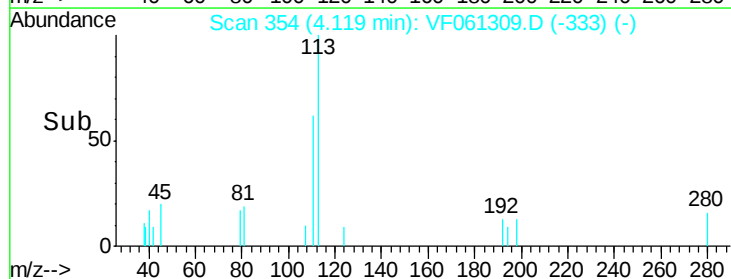
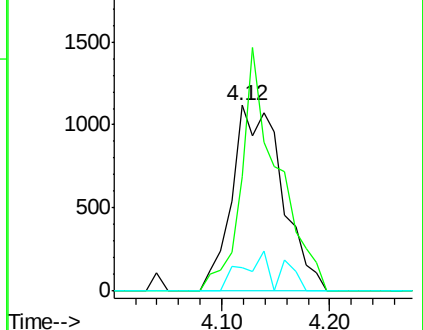
192 12.9 10.6 16.0

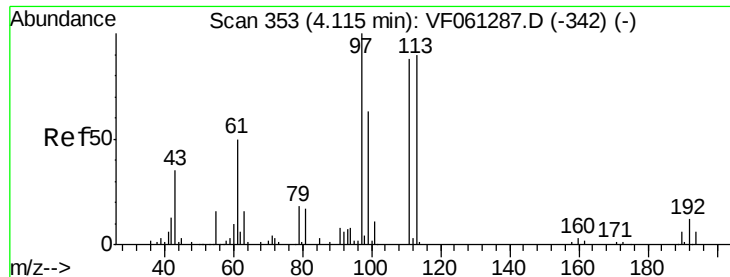


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

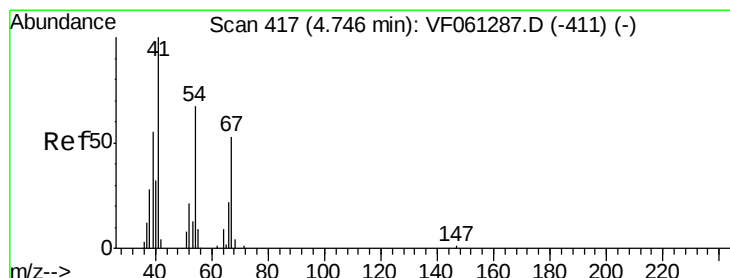
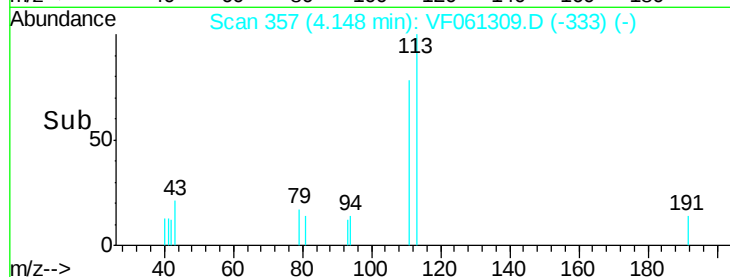
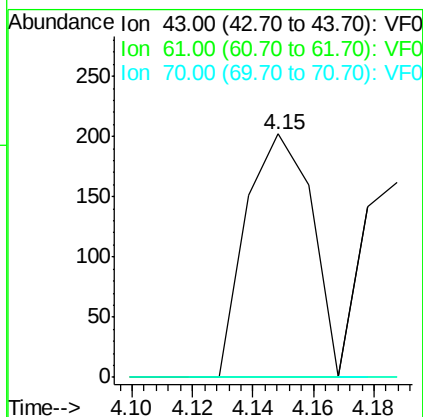
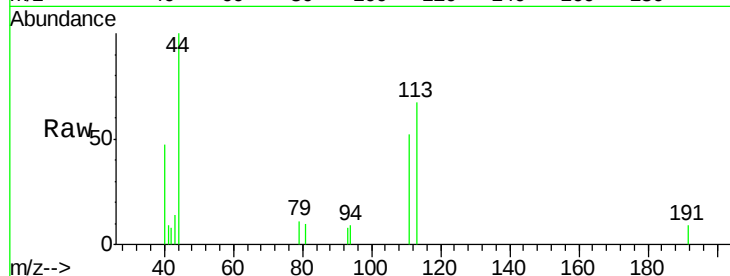




#37
Ethyl Acetate
Concen: 5.384 ug/l
RT: 4.15 min Scan# 357
Delta R.T. 0.03 min
Lab File: VF061309.D
Acq: 9 Jan 2019 19:03

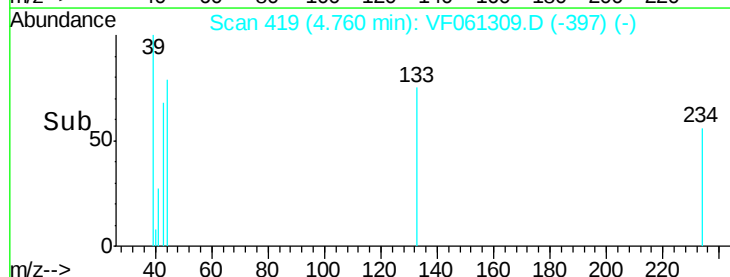
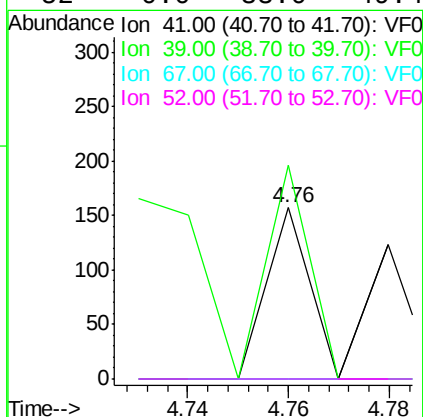
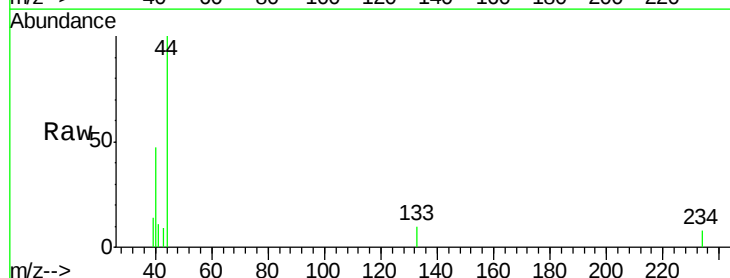
Instrument :
MSVOA_F
ClientSampled :
SP-1-6

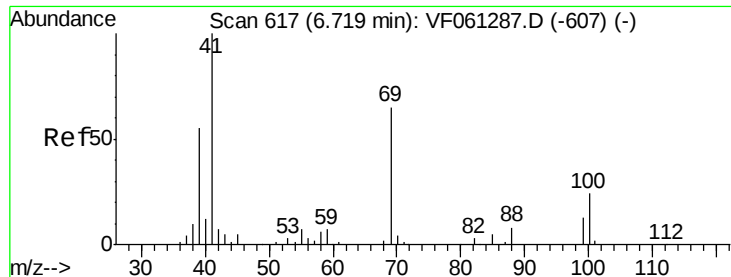
Tot Ion: 43 Resp: 304
Ion Ratio Lower Upper
43 100
61 0.0 113.3 169.9#
70 0.0 9.4 14.0#



#41
Methacrylonitrile
Concen: 2.949 ug/l
RT: 4.76 min Scan# 419
Delta R.T. 0.01 min
Lab File: VF061309.D
Acq: 9 Jan 2019 19:03

Tgt Ion: 41 Resp: 93
Ion Ratio Lower Upper
41 100
39 124.8 52.7 79.1#
67 0.0 41.4 62.2#
52 0.0 33.0 49.4#

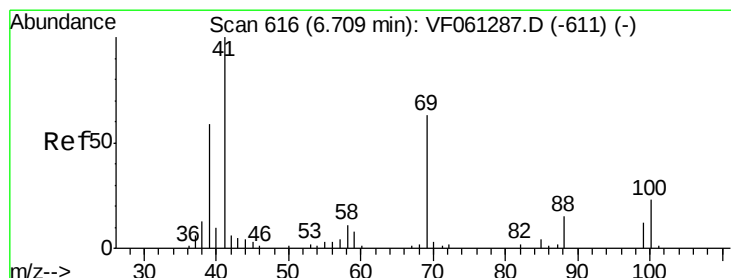
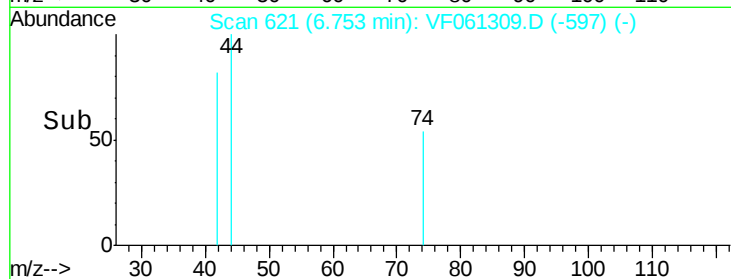
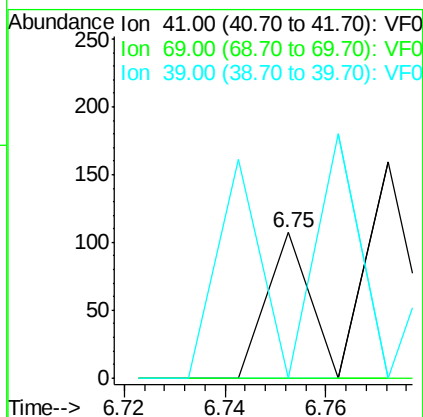
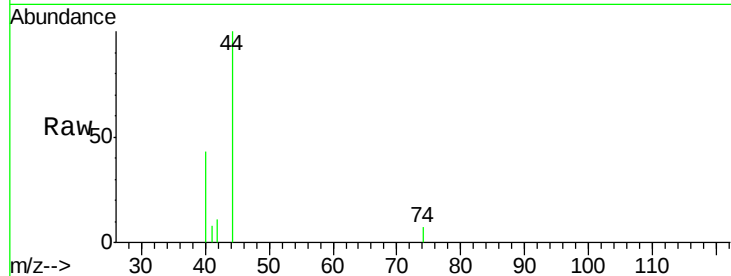




#48
Methyl methacrylate
Concen: 1.302 ug/l
RT: 6.75 min Scan# 621
Delta R.T. 0.03 min
Lab File: VF061309.D
Acq: 9 Jan 2019 19:03

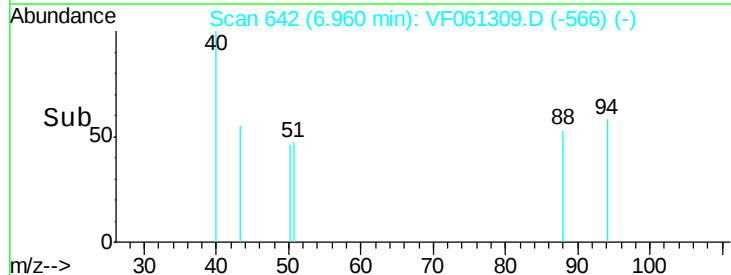
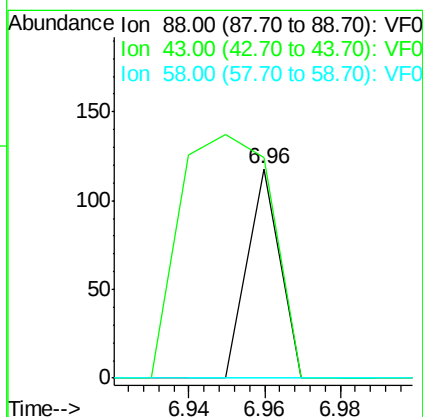
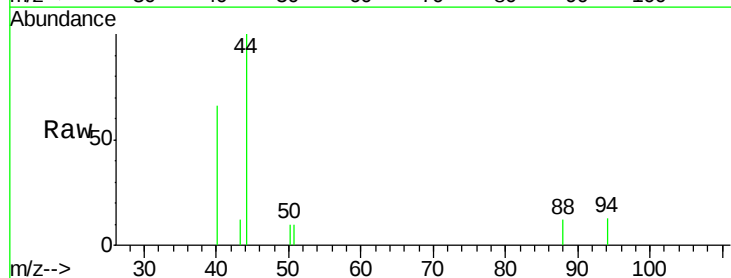
Instrument :
MSVOA_F
ClientSampled :
SP-1-6

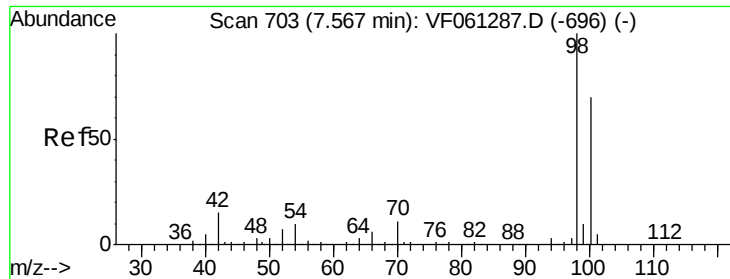
Tot Ion: 41 Resp: 63
Ion Ratio Lower Upper
41 100
69 0.0 51.5 77.3#
39 0.0 44.1 66.1#



#49
1,4-Dioxane
Concen: 229.265 ug/l
RT: 6.96 min Scan# 642
Delta R.T. 0.25 min
Lab File: VF061309.D
Acq: 9 Jan 2019 19:03

Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 105.1 38.5 57.7#
58 0.0 57.0 85.4#





#50

Toluene-d8

Concen: 40.987 ug/l

RT: 7.57 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF061309.D

Acq: 9 Jan 2019 19:03

Instrument :

MSVOA_F

ClientSampled :

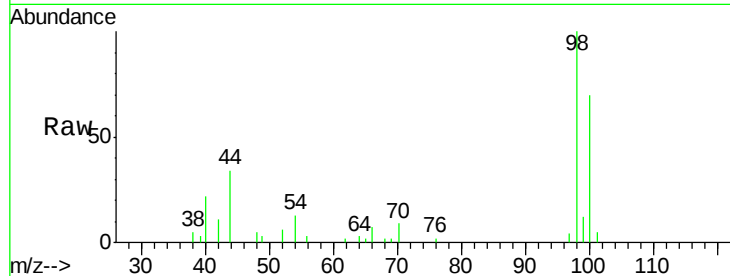
SP-1-6

Tot Ion: 98 Resp: 12323

Ion Ratio Lower Upper

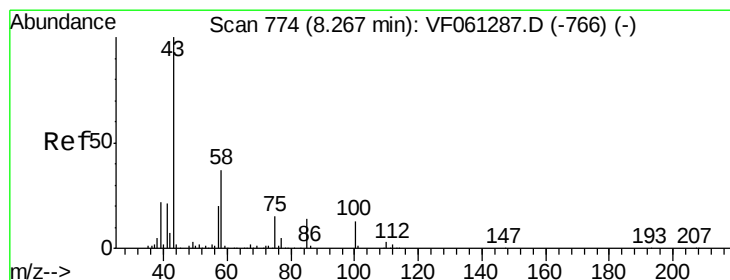
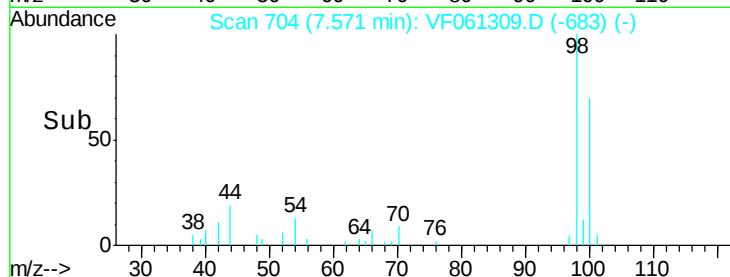
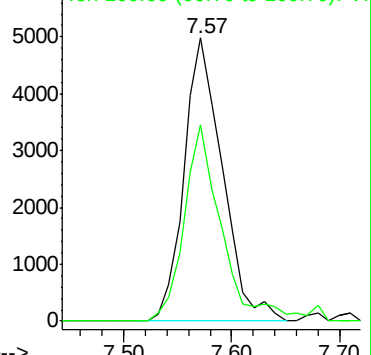
98 100

100 69.5 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#51

4-Methyl-2-Pentanone

Concen: 3.625 ug/l

RT: 8.29 min Scan# 777

Delta R.T. 0.02 min

Lab File: VF061309.D

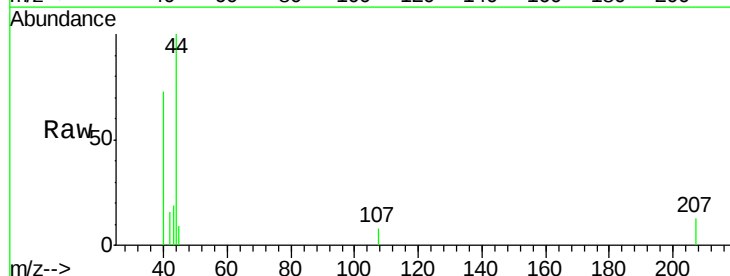
Acq: 9 Jan 2019 19:03

Tgt Ion: 43 Resp: 204

Ion Ratio Lower Upper

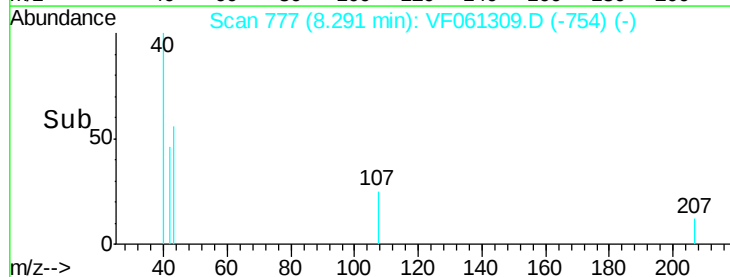
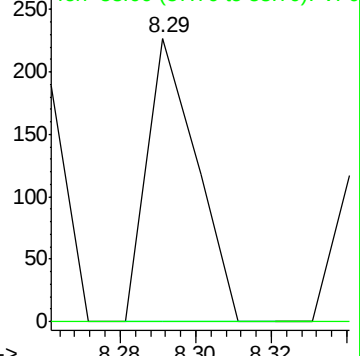
43 100

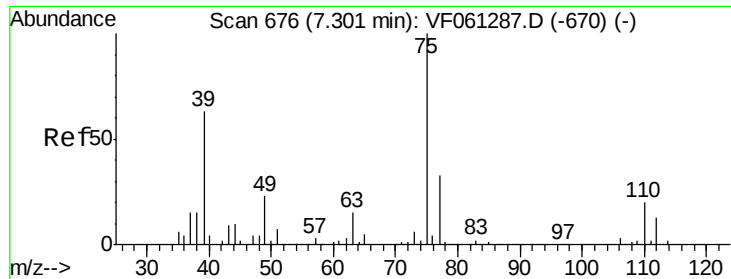
58 0.0 29.6 44.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

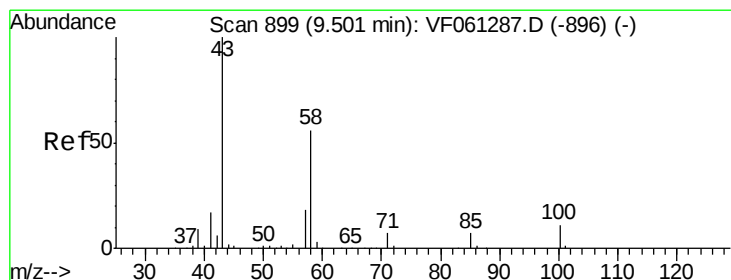
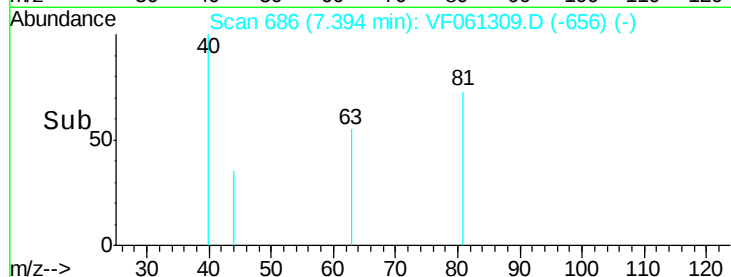
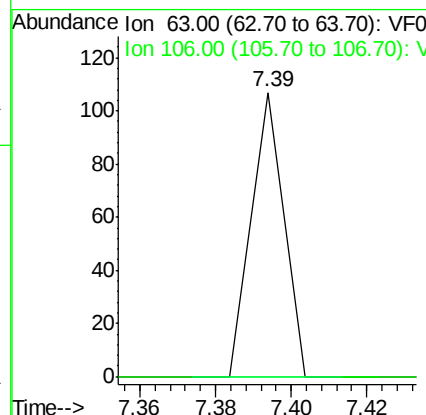
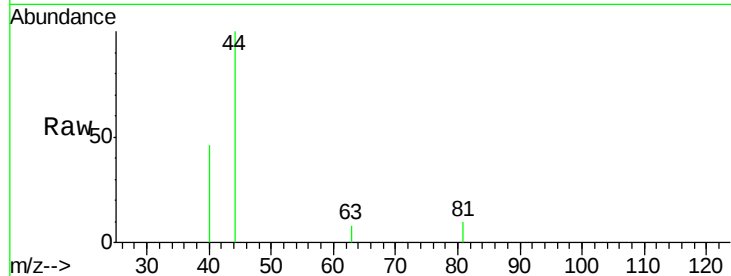




#58
 2-Chloroethyl Vinyl ether
 Concen: 20.316 ug/l
 RT: 7.39 min Scan# 686
 Delta R.T. 0.09 min
 Lab File: VF061309.D
 Acq: 9 Jan 2019 19:03

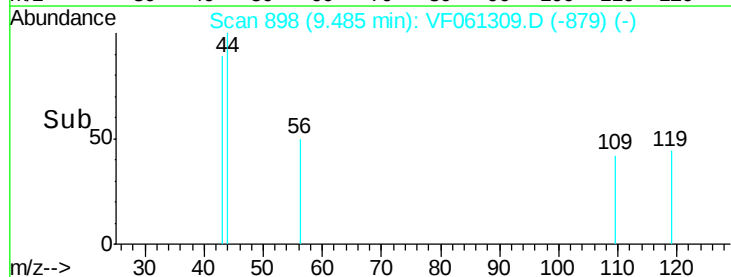
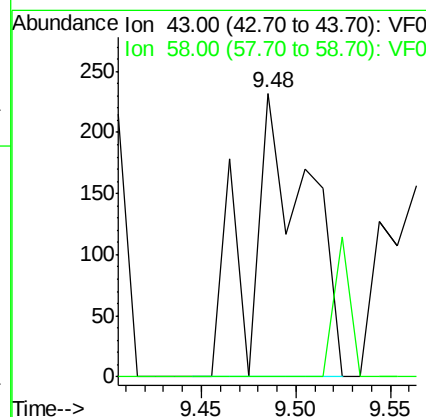
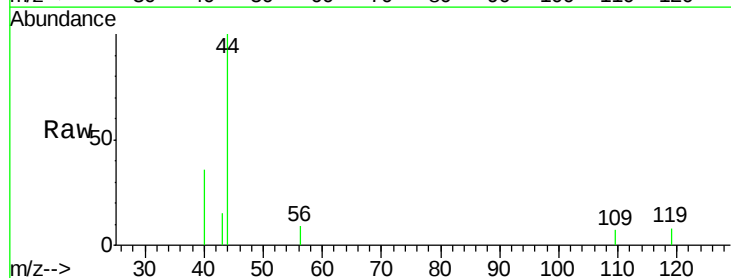
Instrument :
 MSVOA_F
 ClientSampled :
 SP-1-6

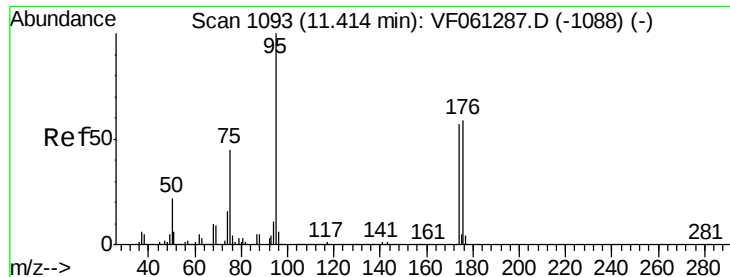
Tot Ion: 63 Resp: 63
 Ion Ratio Lower Upper
 63 100
 106 0.0 16.5 24.7#



#59
 2-Hexanone
 Concen: 12.643 ug/l
 RT: 9.48 min Scan# 898
 Delta R.T. -0.02 min
 Lab File: VF061309.D
 Acq: 9 Jan 2019 19:03

Tgt Ion: 43 Resp: 504
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.6 76.8#





#62

4-Bromofluorobenzene

Concen: 22.341 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF061309.D

Acq: 9 Jan 2019 19:03

Instrument :

MSVOA_F

ClientSampled :

SP-1-6

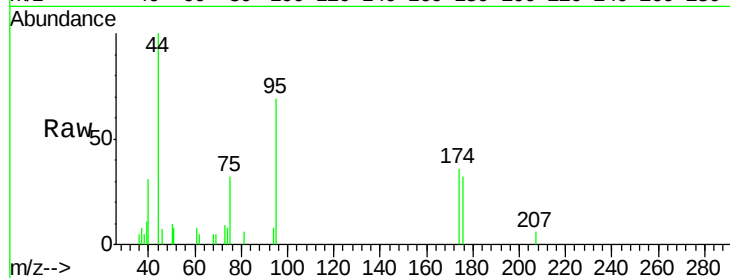
Tot Ion: 95 Resp: 2933

Ion Ratio Lower Upper

95 100

174 52.0 0.0 114.2

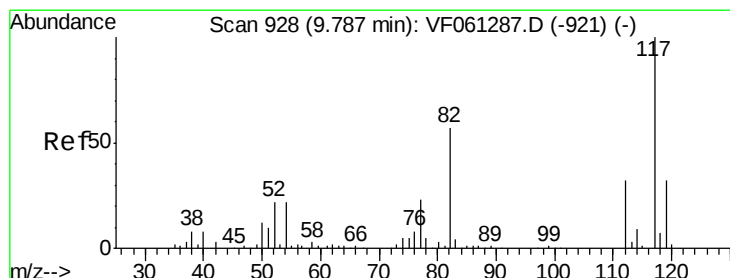
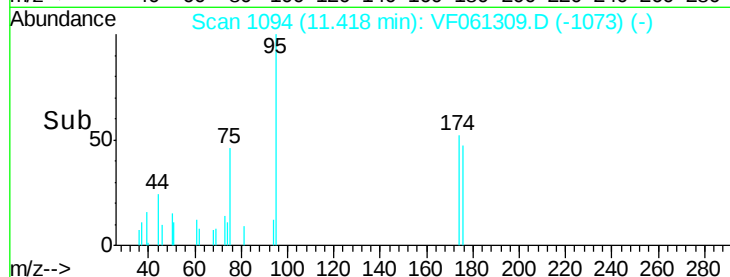
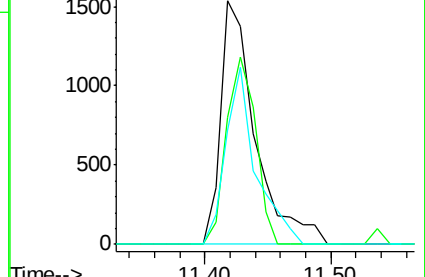
176 46.9 0.0 117.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.79 min Scan# 929

Delta R.T. 0.00 min

Lab File: VF061309.D

Acq: 9 Jan 2019 19:03

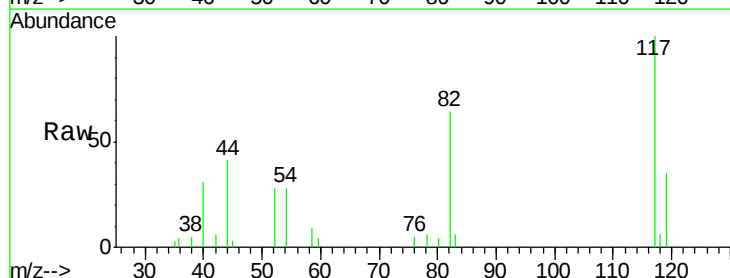
Tgt Ion: 117 Resp: 8826

Ion Ratio Lower Upper

117 100

82 64.0 45.3 67.9

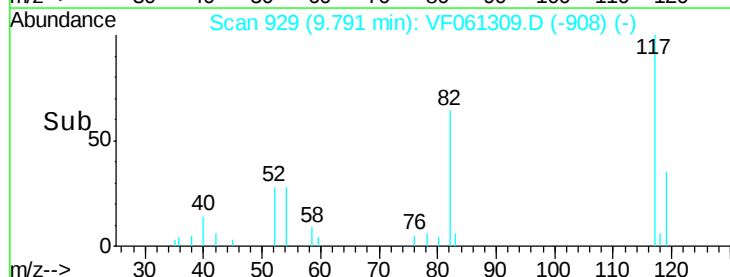
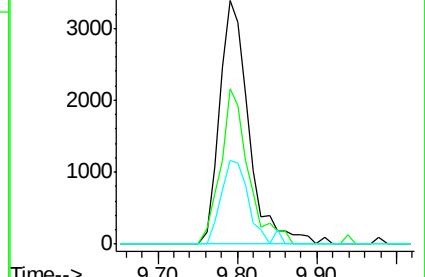
119 34.6 25.4 38.0

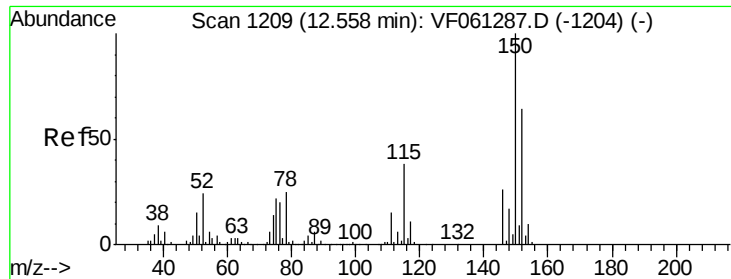


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VF061309.D

Acq: 9 Jan 2019 19:03

Instrument :

MSVOA_F

ClientSampleId :

SP-1-6

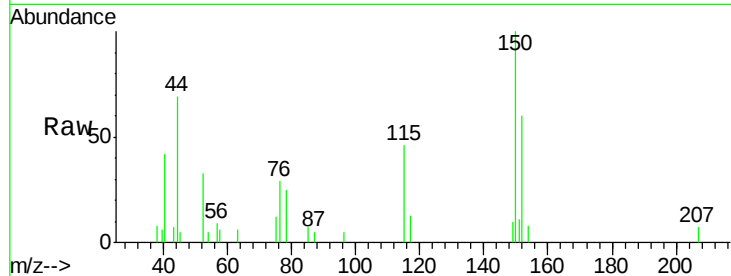
Tot Ion:152 Resp: 2455

Ion Ratio Lower Upper

152 100

115 76.9 29.6 88.9

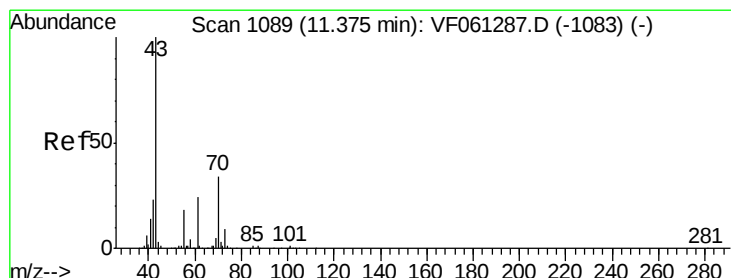
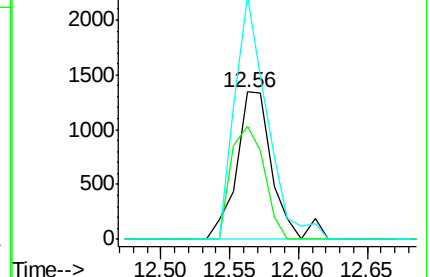
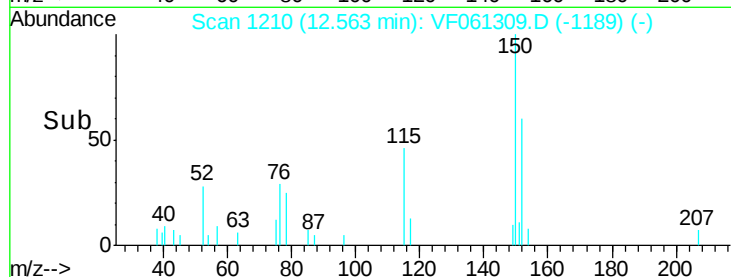
150 165.4 0.0 315.4



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



#74

N-ethyl acetate

Concen: 4.297 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF061309.D

Acq: 9 Jan 2019 19:03

Tgt Ion: 43 Resp: 211

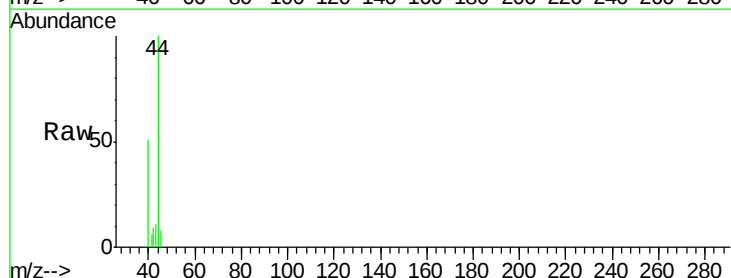
Ion Ratio Lower Upper

43 100

70 0.0 27.4 41.0#

55 0.0 14.7 22.1#

61 0.0 19.0 28.4#

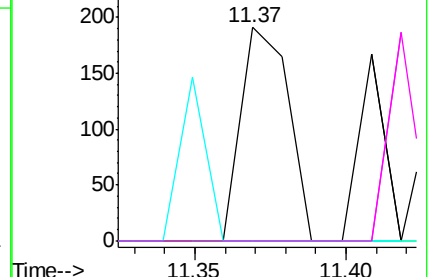
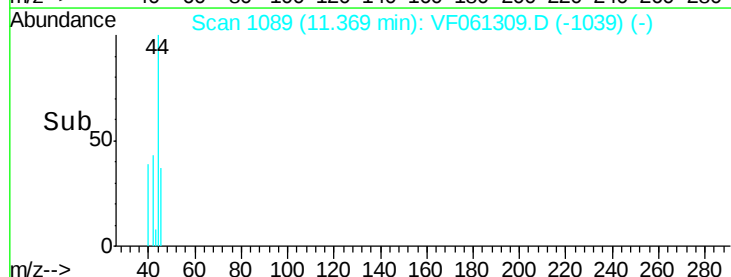


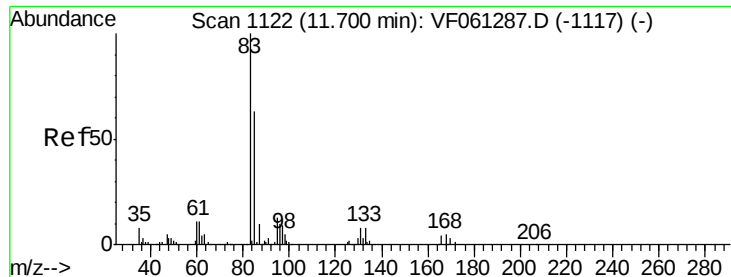
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 1.752 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. 0.09 min

Lab File: VF061309.D

Acq: 9 Jan 2019 19:03

Instrument :

MSVOA_F

ClientSampled :

SP-1-6

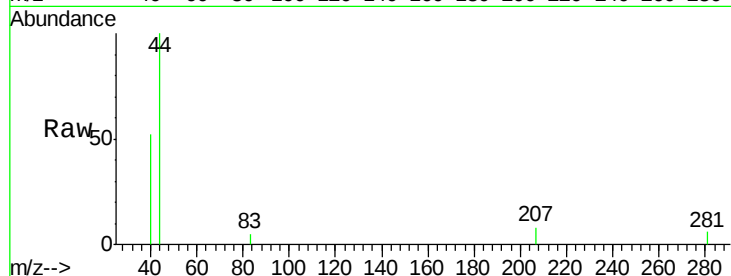
Tot Ion: 83 Resp: 60

Ion Ratio Lower Upper

83 100

131 0.0 3.9 11.7#

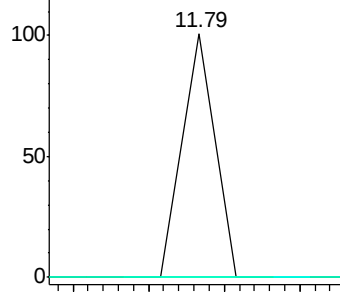
85 0.0 31.6 94.7#



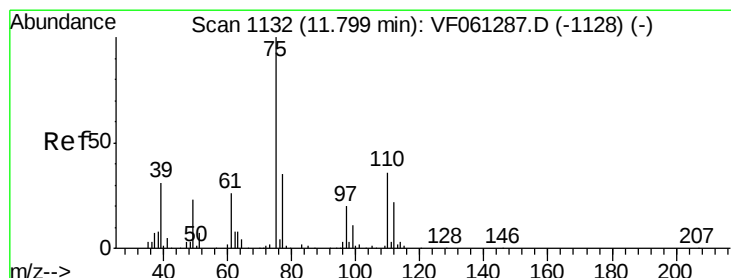
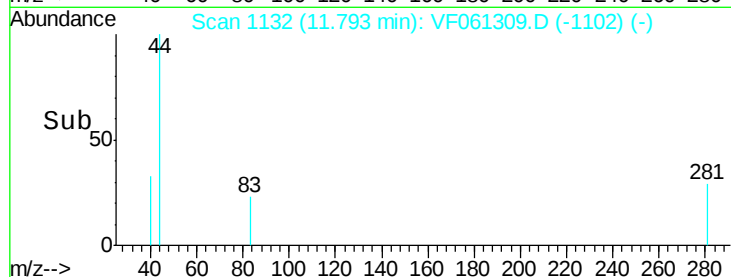
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



Time-->



#76

1,2,3-Trichloropropane

Concen: 2.587 ug/l

RT: 11.65 min Scan# 1117

Delta R.T. -0.15 min

Lab File: VF061309.D

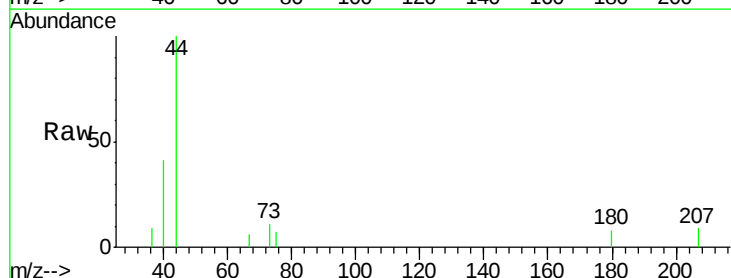
Acq: 9 Jan 2019 19:03

Tgt Ion: 75 Resp: 65

Ion Ratio Lower Upper

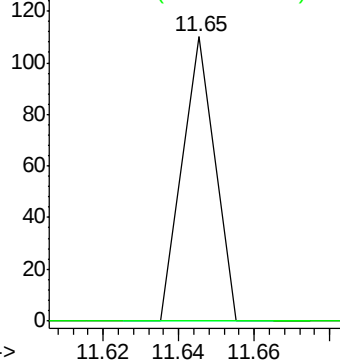
75 100

77 0.0 17.5 52.5#

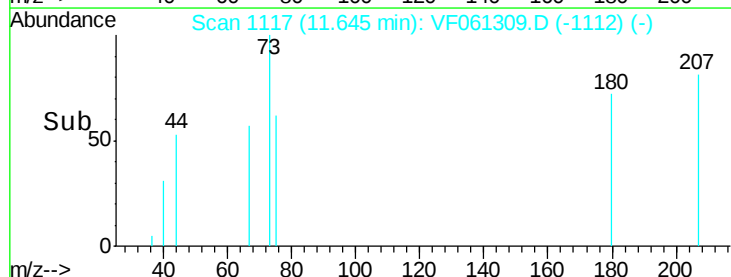


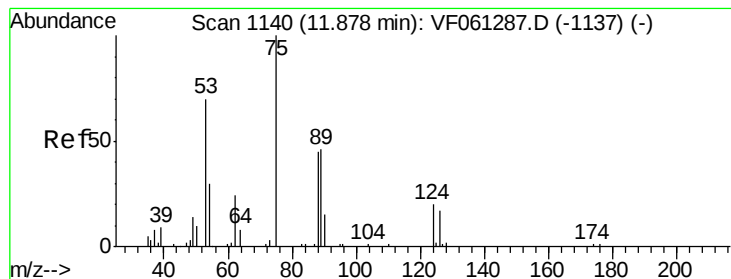
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 7.105 ug/l

RT: 12.02 min Scan# 1155

Delta R.T. 0.14 min

Lab File: VF061309.D

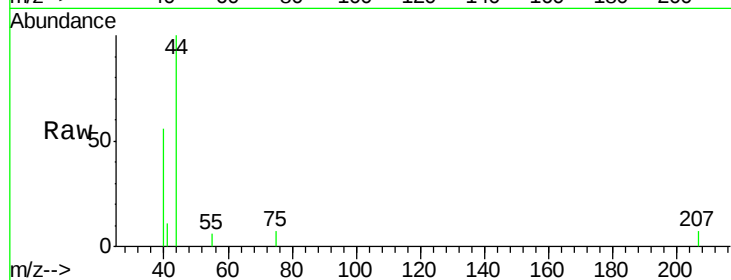
Acq: 9 Jan 2019 19:03

Instrument :

MSVOA_F

ClientSampleId :

SP-1-6



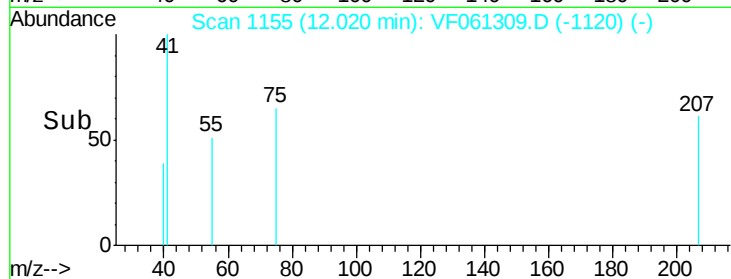
Tot Ion: 75 Resp: 78

Ion Ratio Lower Upper

75 100

53 0.0 62.2 93.2#

89 0.0 40.2 60.4#



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

