

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030119\
 Data File : VF061815.D
 Acq On : 1 Mar 2019 21:13
 Operator : VA/AP
 Sample : K1675-29
 Misc : 5.49g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 Z-3-13-A

Quant Time: Mar 02 02:48:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	134	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	443	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	208	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.56

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	94	95.66	ug/l	0.00
Spiked Amount 50.000			Recovery =	191.32%		
35) Dibromofluoromethane	4.11	113	78	23.71	ug/l	0.00
Spiked Amount 50.000			Recovery =	47.42%		
50) Toluene-d8	7.55	98	625	66.09	ug/l	-0.02
Spiked Amount 50.000			Recovery =	132.18%		
62) 4-Bromofluorobenzene	11.42	95	92	24.04	ug/l	0.00
Spiked Amount 50.000			Recovery =	48.08%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.91	85	60	38.990	ug/l #	43
3) Chloromethane	1.10	50	102	63.174	ug/l #	32
4) Vinyl Chloride	1.14	62	73	48.635	ug/l #	40
5) Bromomethane	1.34	94	767	742.479	ug/l #	58
6) Chloroethane	1.44	64	72	97.338	ug/l #	49
8) Diethyl Ether	1.71	74	169	370.429	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.70	101	60	45.942	ug/l #	22
10) Methyl Iodide	1.77	142	145	58.122	ug/l #	39
11) Tert butyl alcohol	2.60	59	117	2057.356	ug/l #	63
12) 1,1-Dichloroethene	1.81	96	77	67.059	ug/l #	1
13) Acrolein	2.00	56	395	5526.458	ug/l	83
14) Allyl chloride	2.16	41	311	220.721	ug/l #	46
15) Acrylonitrile	2.99	53	351	1740.065	ug/l #	24
16) Acetone	2.27	43	539	2556.551	ug/l #	46
17) Carbon Disulfide	1.92	76	94	26.044	ug/l #	73
18) Methyl Acetate	2.27	43	539	1134.854	ug/l	94
19) Methyl tert-butyl Ether	2.46	73	74	37.709	ug/l #	1
20) Methylene Chloride	2.16	84	62	55.139	ug/l #	43
21) trans-1,2-Dichloroethene	2.36	96	155	124.175	ug/l #	1
22) Diisopropyl ether	2.82	45	75	22.175	ug/l #	47
23) Vinyl Acetate	3.17	43	333	201.575	ug/l #	74
24) 1,1-Dichloroethane	2.90	63	66	32.245	ug/l #	86
25) 2-Butanone	4.32	43	341	740.466	ug/l #	55
26) 2,2-Dichloropropane	3.44	77	134	154.557	ug/l #	52
27) cis-1,2-Dichloroethene	3.48	96	164	100.098	ug/l	1
29) Tetrahydrofuran	4.08	42	313	1495.386	ug/l #	33
36) 1,1-Dichloropropene	4.31	75	82	18.685	ug/l #	37
37) Ethyl Acetate	4.09	43	357	175.143	ug/l #	30
39) Methylcyclohexane	5.34	83	78	15.029	ug/l #	15
41) Methacrylonitrile	4.75	41	179	171.718	ug/l #	25
43) Isopropyl Acetate	6.90	43	209	86.623	ug/l #	43
48) Methyl methacrylate	6.72	41	170	117.083	ug/l #	17
51) 4-Methyl-2-Pentanone	8.24	43	162	93.968	ug/l #	34
53) t-1,3-Dichloropropene	8.31	75	83	26.658	ug/l #	42

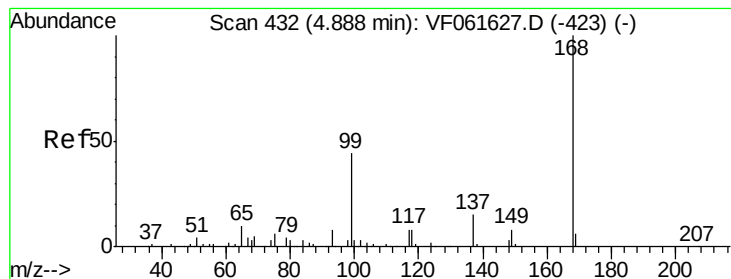
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030119\
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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) Ethyl methacrylate	8.52	69	62	27.226	ug/l #	26
57) 1,3-Dichloropropane	8.86	76	60	17.574	ug/l #	40
59) 2-Hexanone	9.47	43	79	65.372	ug/l #	23

(#) = 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. -0.02 min

Lab File: VF061815.D

Acq: 1 Mar 2019 21:13

Instrument :

MSVOA_F

ClientSampleId :

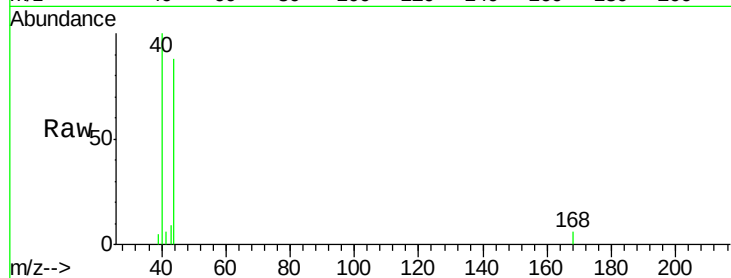
Z-3-13-A

Tot Ion:168 Resp: 134

Ion Ratio Lower Upper

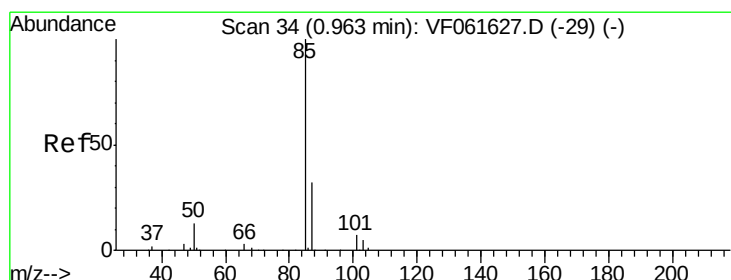
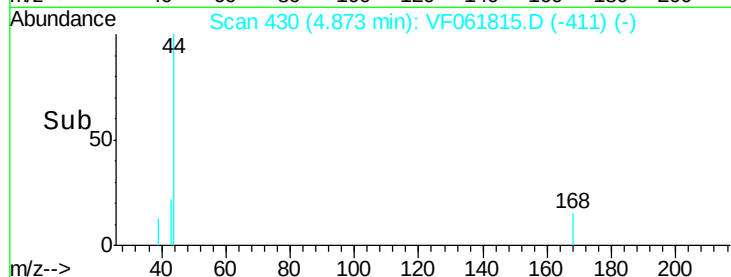
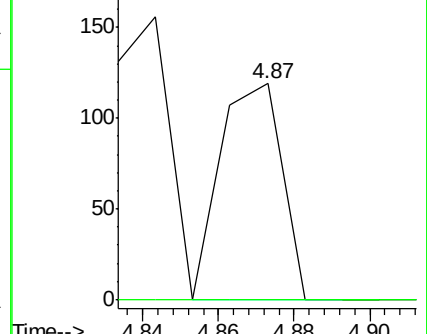
168 100

99 0.0 34.9 52.3#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 38.990 ug/l

RT: 0.91 min Scan# 28

Delta R.T. -0.05 min

Lab File: VF061815.D

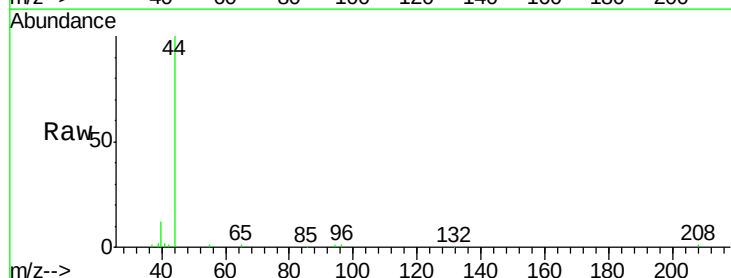
Acq: 1 Mar 2019 21:13

Tgt Ion: 85 Resp: 60

Ion Ratio Lower Upper

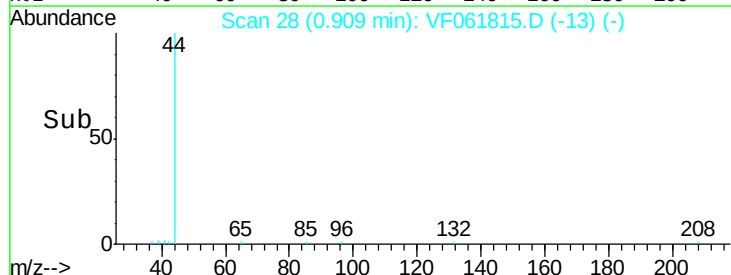
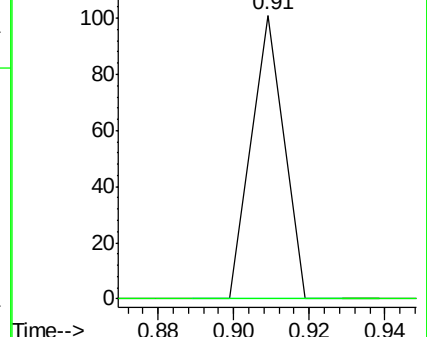
85 100

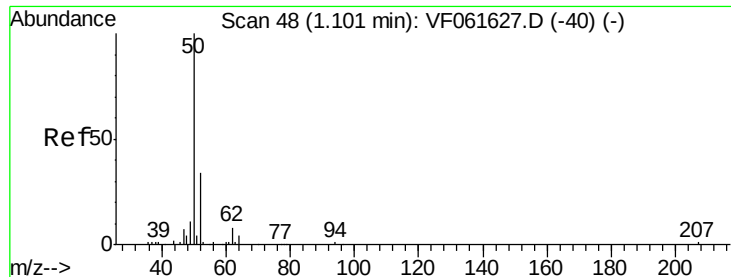
87 0.0 16.1 48.2#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 63.174 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061815.D

Acq: 1 Mar 2019 21:13

Instrument :

MSVOA_F

ClientSampleId :

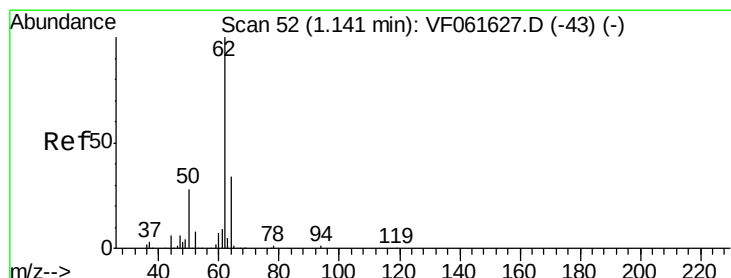
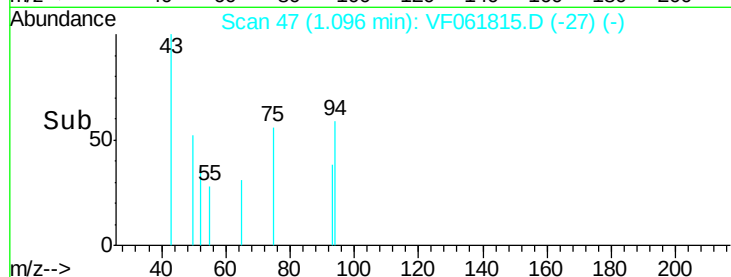
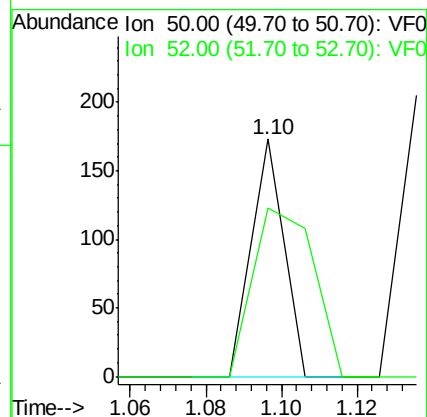
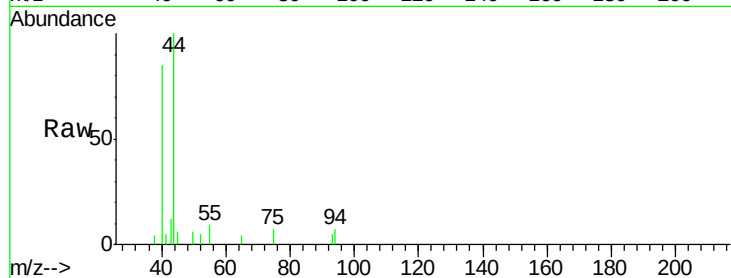
Z-3-13-A

Tot Ion: 50 Resp: 102

Ion Ratio Lower Upper

50 100

52 71.1 26.2 39.4#



#4

Vinyl Chloride

Concen: 48.635 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061815.D

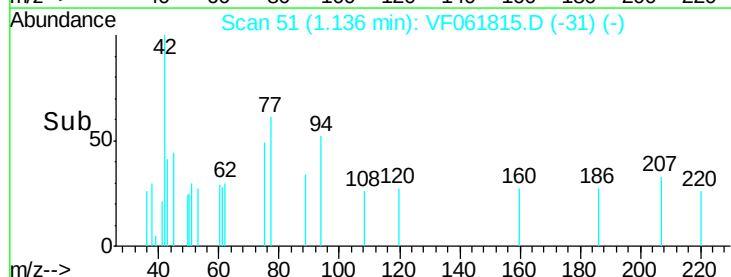
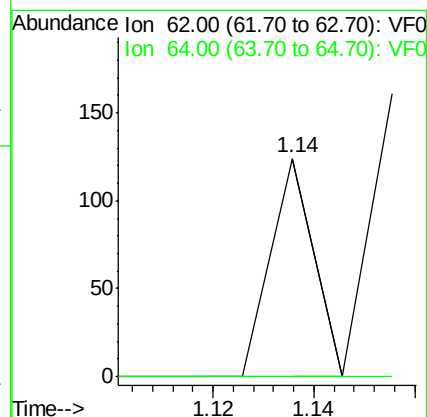
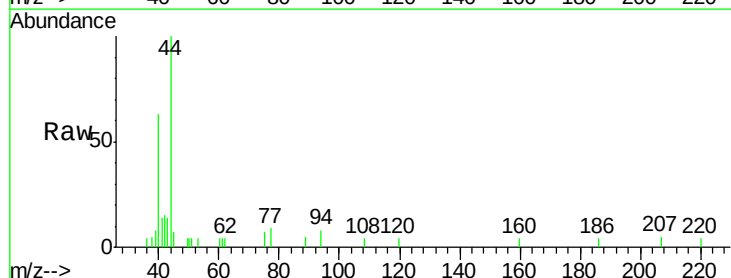
Acq: 1 Mar 2019 21:13

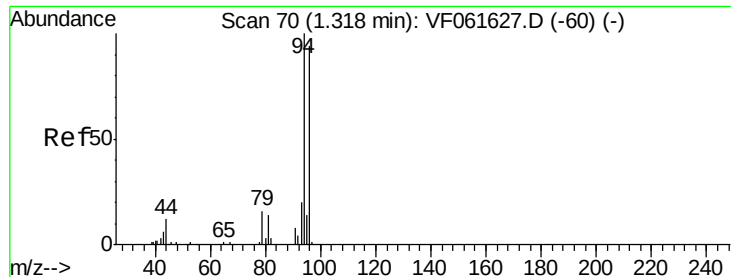
Tgt Ion: 62 Resp: 73

Ion Ratio Lower Upper

62 100

64 0.0 27.5 41.3#





#5

Bromomethane

Concen: 742.479 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.02 min

Lab File: VF061815.D

Acq: 1 Mar 2019 21:13

Instrument :

MSVOA_F

ClientSampleId :

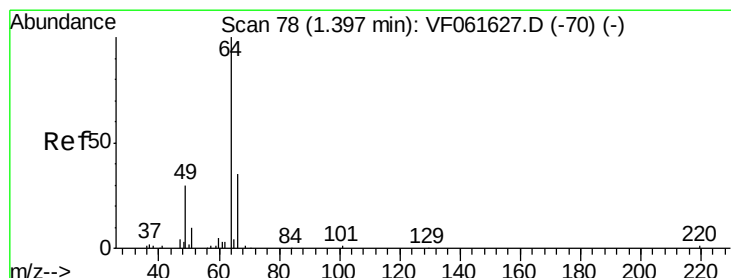
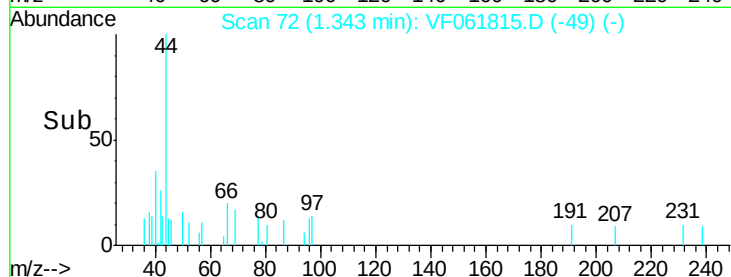
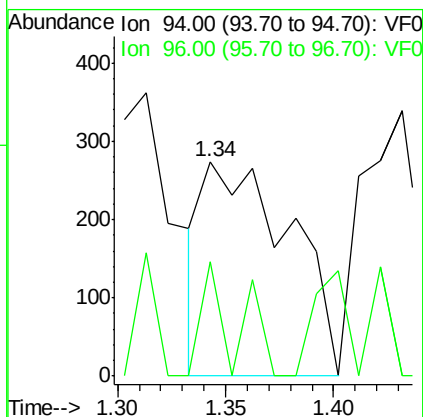
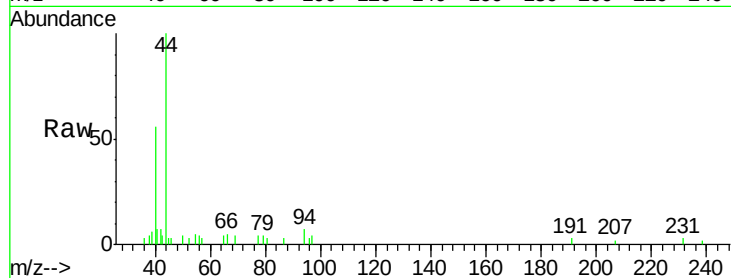
Z-3-13-A

Tot Ion: 94 Resp: 767

Ion Ratio Lower Upper

94 100

96 53.3 74.6 112.0#



#6

Chloroethane

Concen: 97.338 ug/l

RT: 1.44 min Scan# 82

Delta R.T. 0.04 min

Lab File: VF061815.D

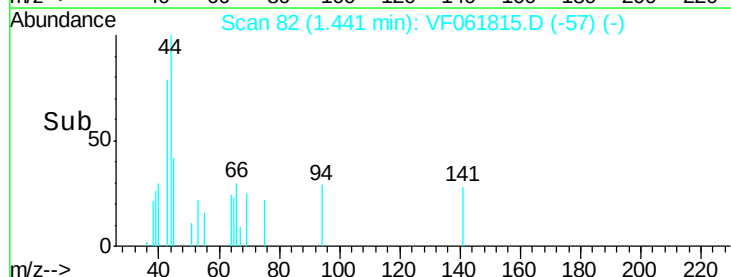
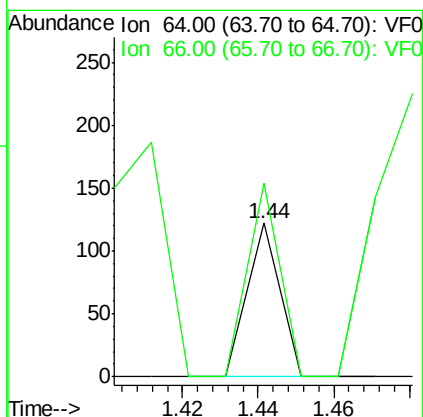
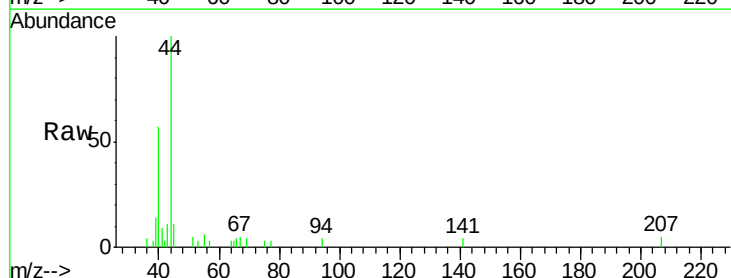
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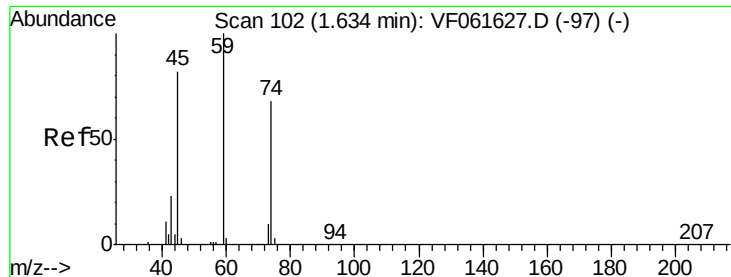
Tgt Ion: 64 Resp: 72

Ion Ratio Lower Upper

64 100

66 64.4 27.9 41.9#





#8

Diethyl Ether

Concen: 370.429 ug/l

RT: 1.71 min Scan# 109

Delta R.T. 0.07 min

Lab File: VF061815.D

Acq: 1 Mar 2019 21:13

Instrument :

MSVOA_F

ClientSampleId :

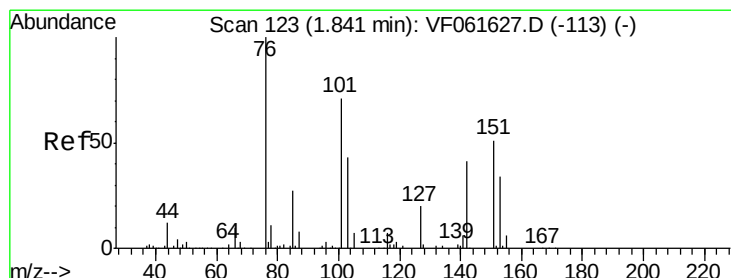
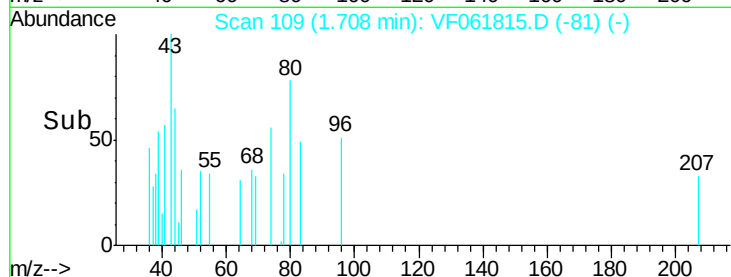
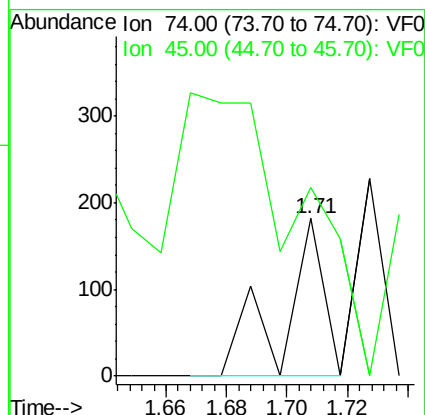
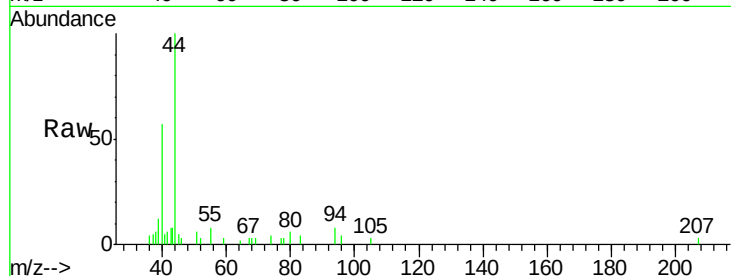
Z-3-13-A

Tot Ion: 74 Resp: 169

Ion Ratio Lower Upper

74 100

45 119.2 60.8 182.3



#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.942 ug/l

RT: 1.70 min Scan# 108

Delta R.T. -0.14 min

Lab File: VF061815.D

Acq: 1 Mar 2019 21:13

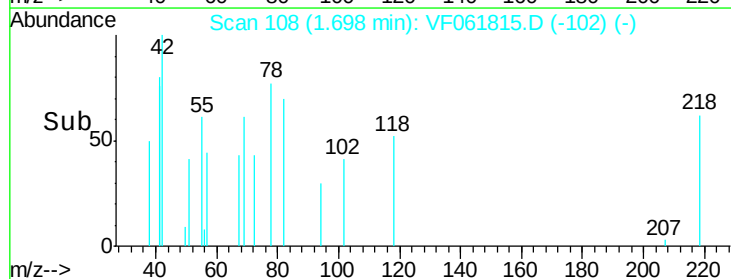
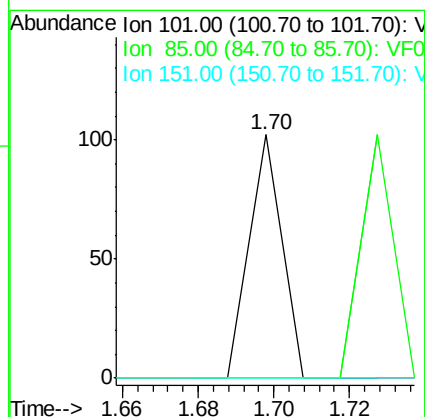
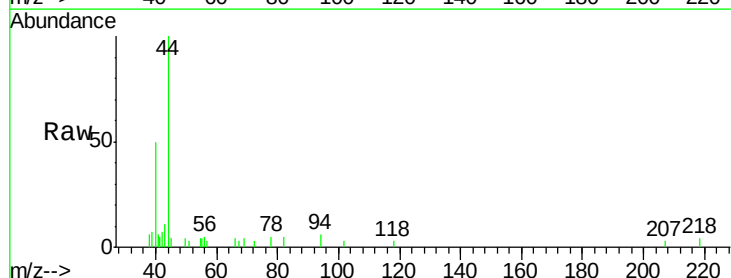
Tgt Ion: 101 Resp: 60

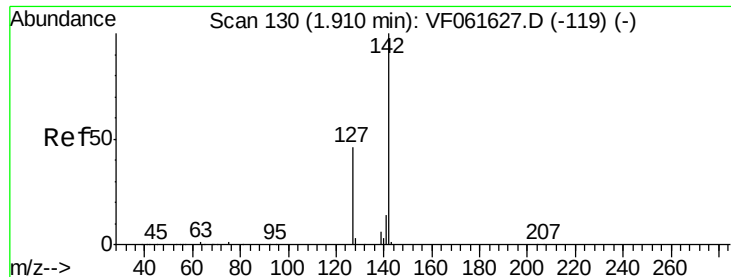
Ion Ratio Lower Upper

101 100

85 0.0 29.8 44.6#

151 0.0 56.3 84.5#

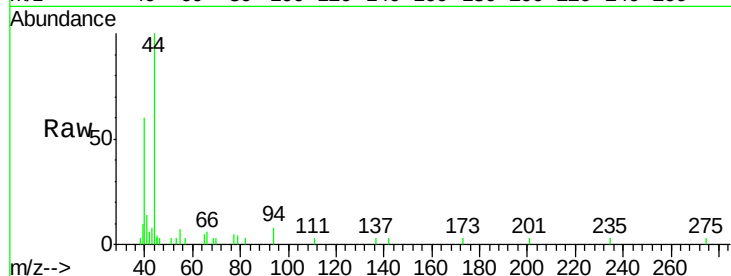




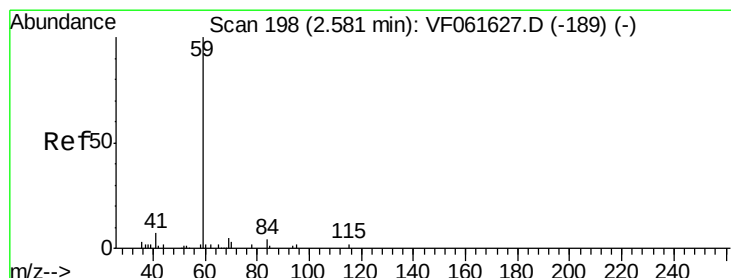
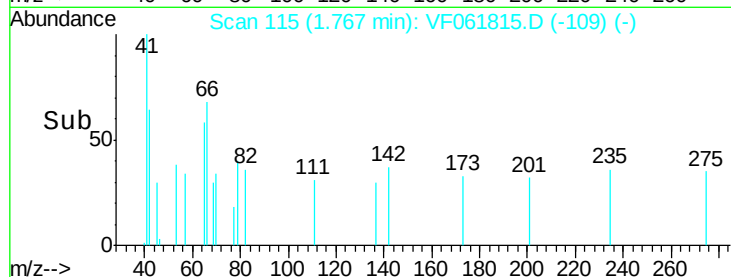
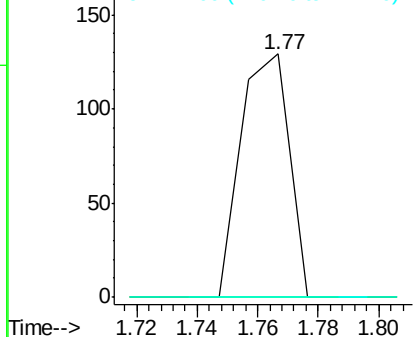
#10
Methyl Iodide
Concen: 58.122 ug/l
RT: 1.77 min Scan# 115
Delta R.T. -0.14 min
Lab File: VF061815.D
Acq: 1 Mar 2019 21:13

Instrument :
MSVOA_F
ClientSampleId :
Z-3-13-A

Tot Ion:142 Resp: 145
Ion Ratio Lower Upper
142 100
127 0.0 36.6 55.0#
141 0.0 11.0 16.6#

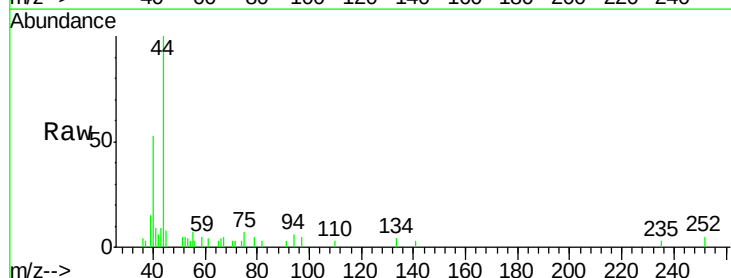


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

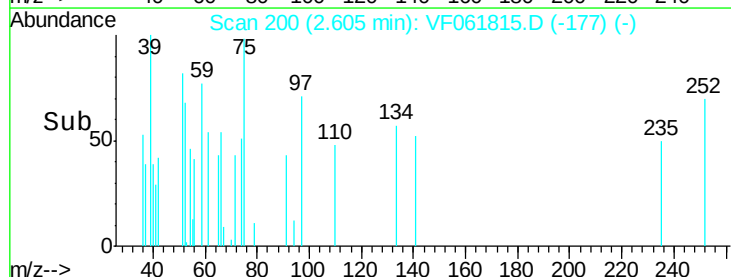
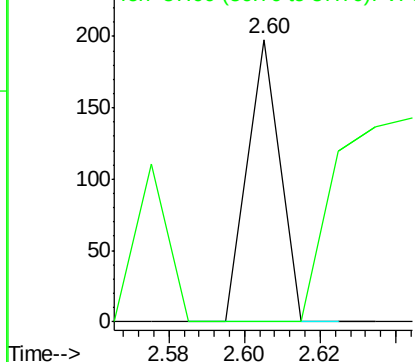


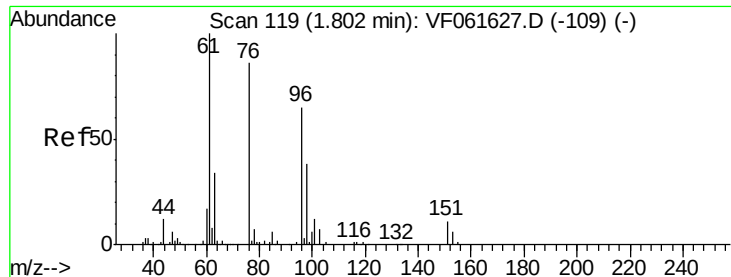
#11
Tert butyl alcohol
Concen: 2057.356 ug/l
RT: 2.60 min Scan# 200
Delta R.T. 0.02 min
Lab File: VF061815.D
Acq: 1 Mar 2019 21:13

Tgt Ion: 59 Resp: 117
Ion Ratio Lower Upper
59 100
57 0.0 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0
Ion 57.00 (56.70 to 57.70): VF0





#12

1,1-Dichloroethene

Concen: 67.059 ug/l

RT: 1.81 min Scan# 119

Delta R.T. 0.00 min

Lab File: VF061815.D

Acq: 1 Mar 2019 21:13

Instrument :

MSVOA_F

ClientSampleId :

Z-3-13-A

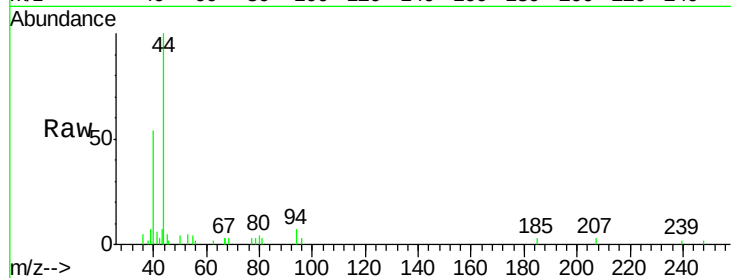
Tot Ion: 96 Resp: 77

Ion Ratio Lower Upper

96 100

61 0.0 122.6 184.0#

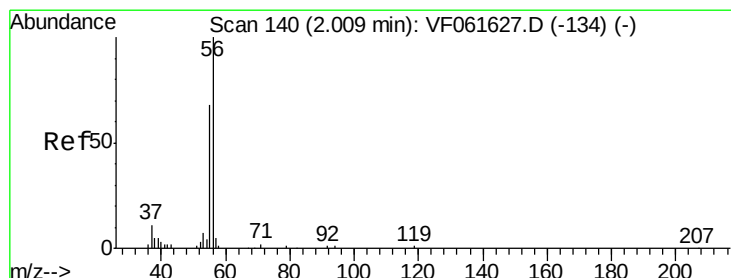
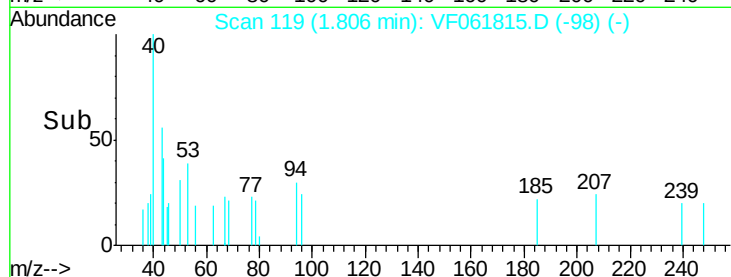
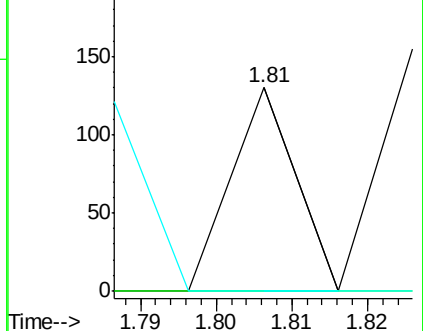
98 0.0 47.2 70.8#



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



#13

Acrolein

Concen: 5526.458 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF061815.D

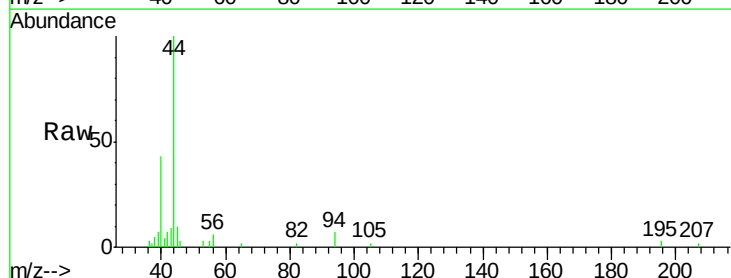
Acq: 1 Mar 2019 21:13

Tgt Ion: 56 Resp: 395

Ion Ratio Lower Upper

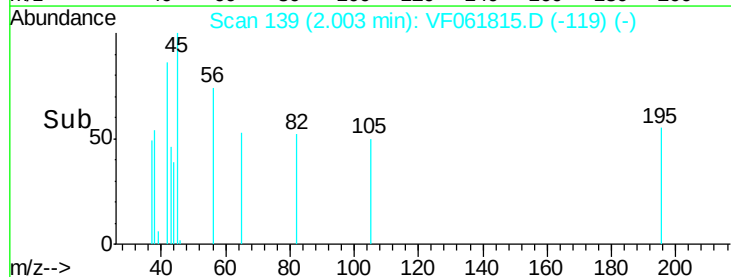
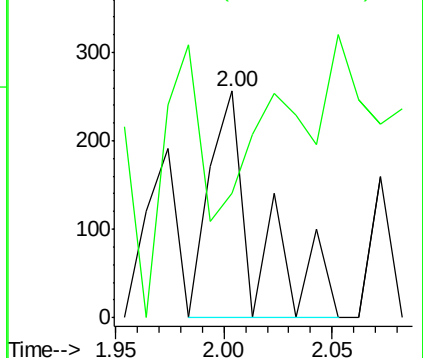
56 100

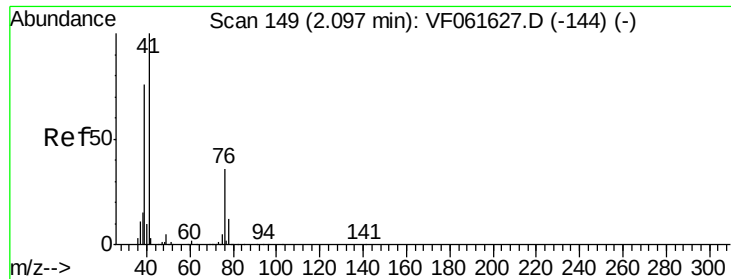
55 55.1 55.0 82.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

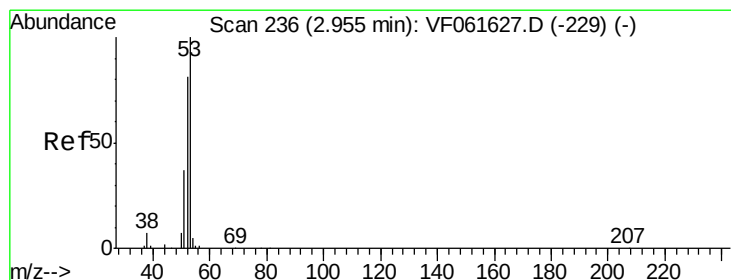
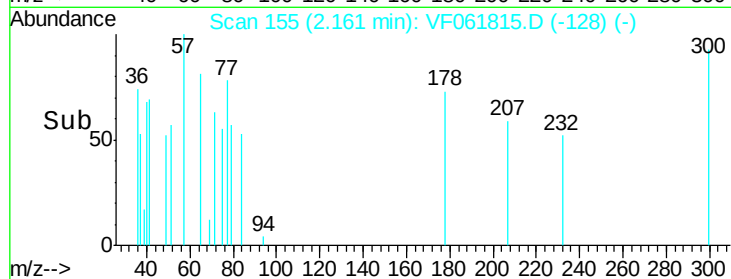
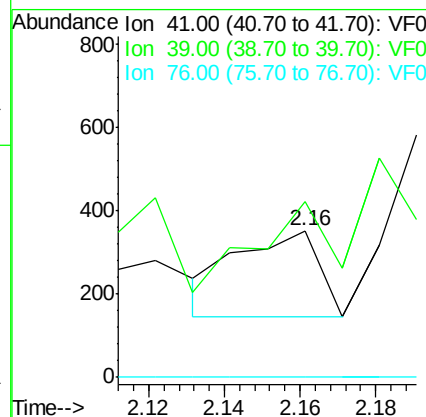
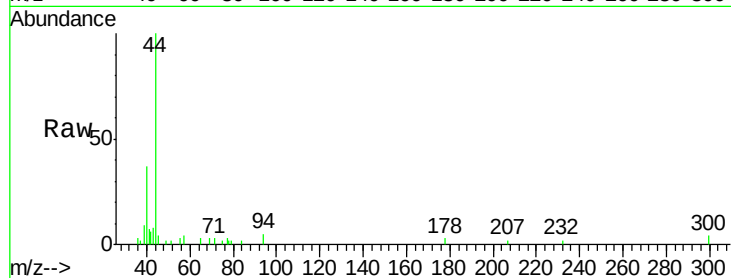




#14
Allvl chloride
Concen: 220.721 ug/l
RT: 2.16 min Scan# 155
Delta R.T. 0.06 min
Lab File: VF061815.D
Acq: 1 Mar 2019 21:13

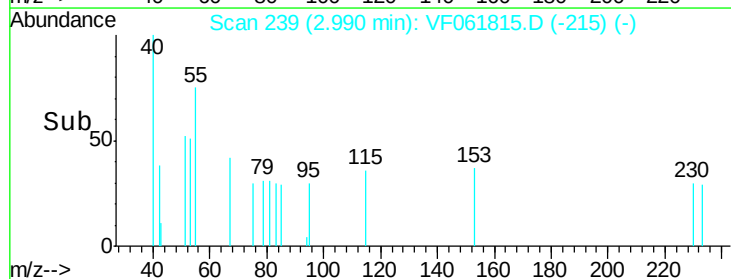
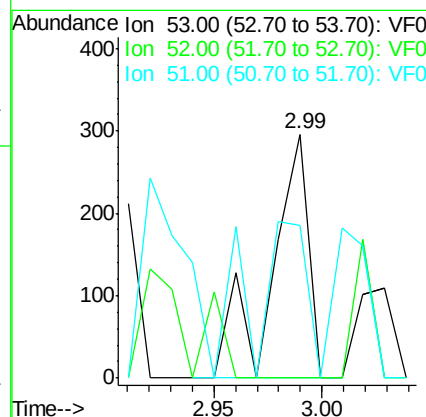
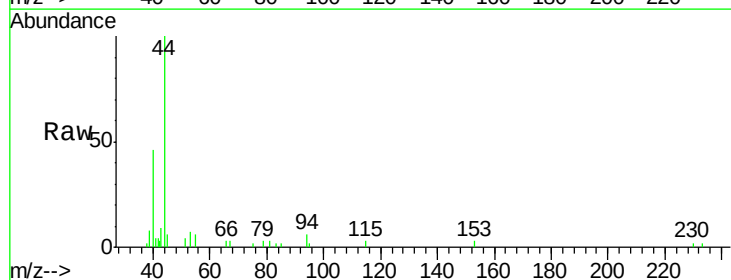
Instrument :
MSVOA_F
ClientSampled :
Z-3-13-A

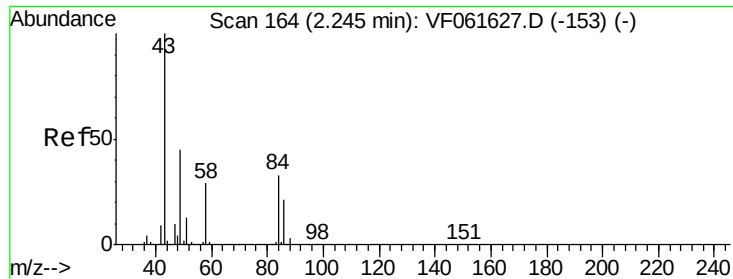
Tot Ion: 41 Resp: 311
Ion Ratio Lower Upper
41 100
39 120.2 61.6 92.4#
76 0.0 30.3 45.5#



#15
Acrylonitrile
Concen: 1740.065 ug/l
RT: 2.99 min Scan# 239
Delta R.T. 0.03 min
Lab File: VF061815.D
Acq: 1 Mar 2019 21:13

Tgt Ion: 53 Resp: 351
Ion Ratio Lower Upper
53 100
52 0.0 64.6 97.0#
51 62.5 29.8 44.8#

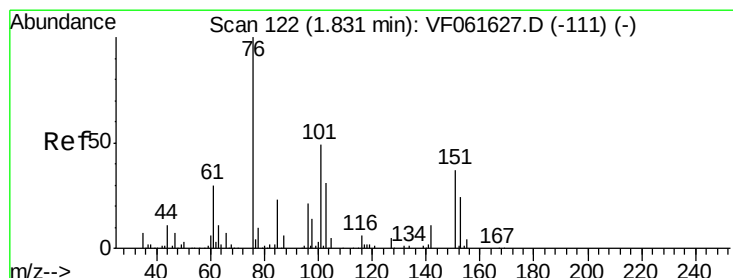
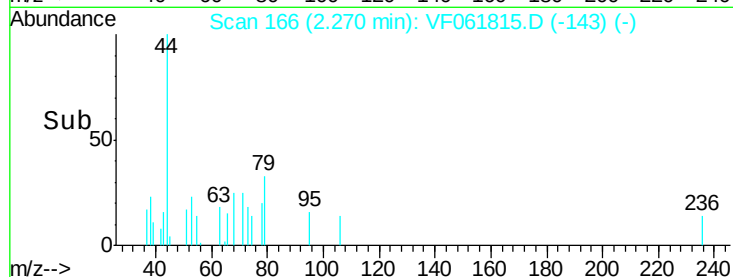
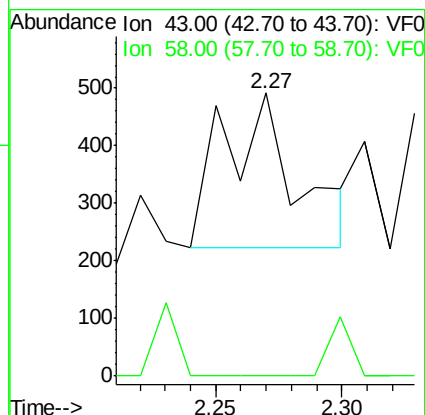
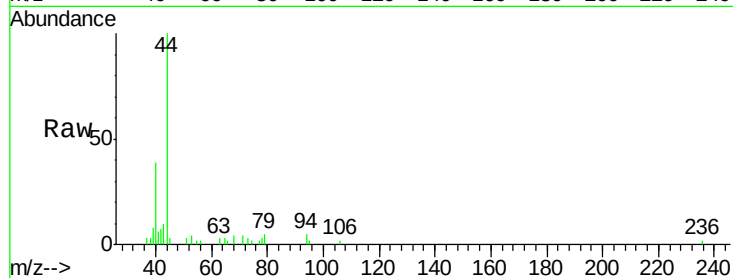




#16
Acetone
Concen: 2556.551 ug/l
RT: 2.27 min Scan# 166
Delta R.T. 0.02 min
Lab File: VF061815.D
Acq: 1 Mar 2019 21:13

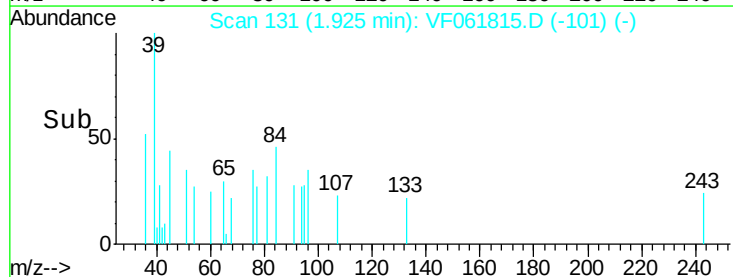
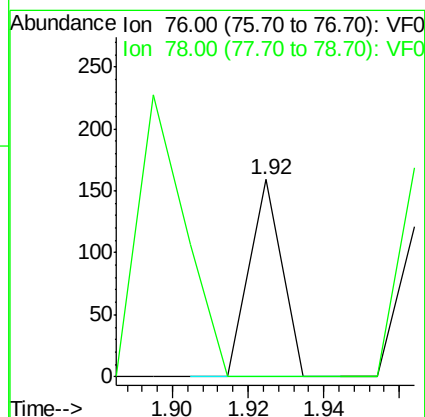
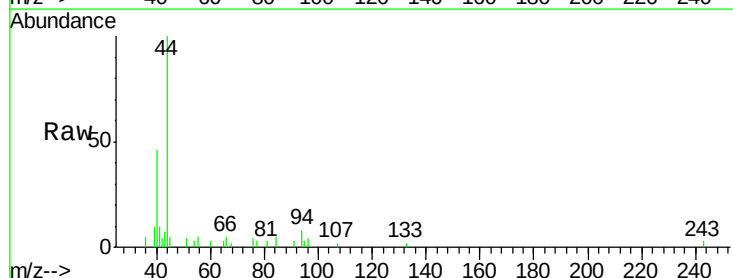
Instrument :
MSVOA_F
ClientSampled :
Z-3-13-A

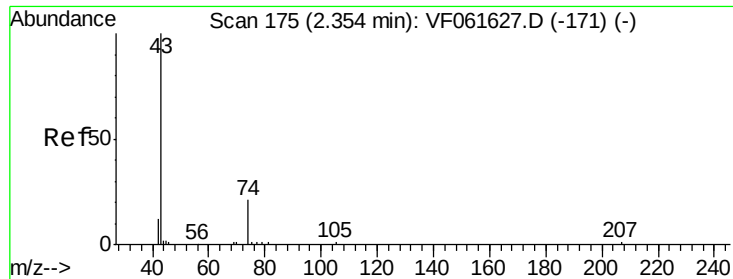
Tot Ion: 43 Resp: 539
Ion Ratio Lower Upper
43 100
58 0.0 22.9 34.3#



#17
Carbon Disulfide
Concen: 26.044 ug/l
RT: 1.92 min Scan# 131
Delta R.T. 0.09 min
Lab File: VF061815.D
Acq: 1 Mar 2019 21:13

Tgt Ion: 76 Resp: 94
Ion Ratio Lower Upper
76 100
78 0.0 7.9 11.9#

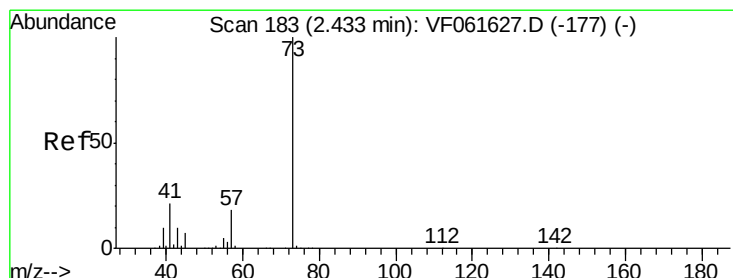
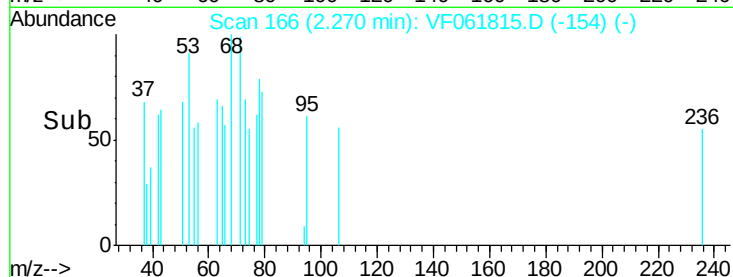
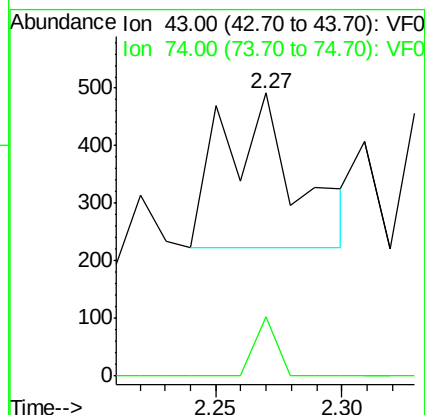
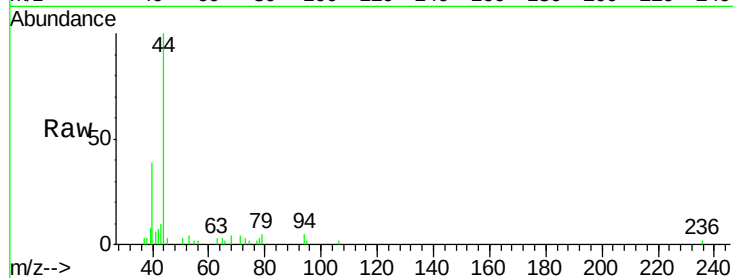




#18
Methyl Acetate
Concen: 1134.854 ug/l
RT: 2.27 min Scan# 166
Delta R.T. -0.08 min
Lab File: VF061815.D
Acq: 1 Mar 2019 21:13

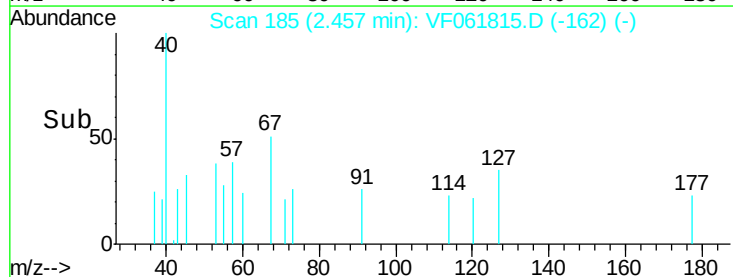
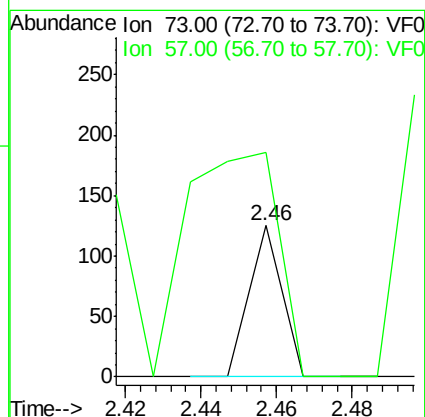
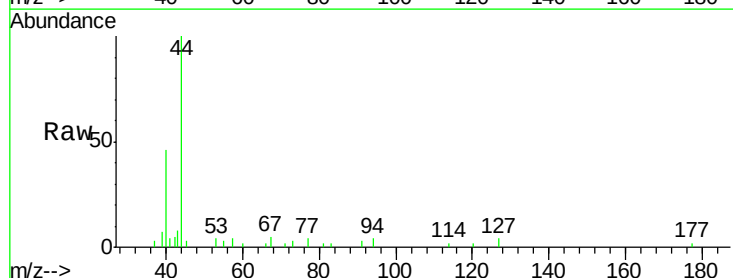
Instrument :
MSVOA_F
ClientSampleId :
Z-3-13-A

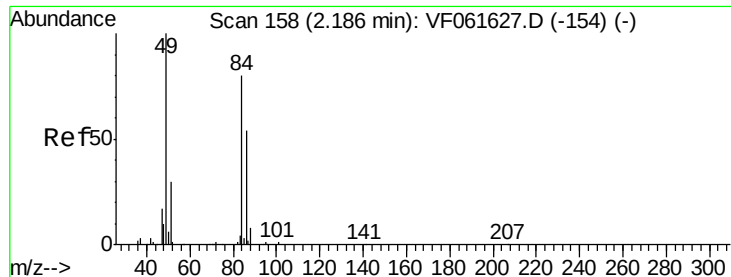
Tot Ion: 43 Resp: 539
Ion Ratio Lower Upper
43 100
74 20.9 14.6 21.8



#19
Methyl tert-butyl Ether
Concen: 37.709 ug/l
RT: 2.46 min Scan# 185
Delta R.T. 0.02 min
Lab File: VF061815.D
Acq: 1 Mar 2019 21:13

Tgt Ion: 73 Resp: 74
Ion Ratio Lower Upper
73 100
57 148.8 15.8 23.8#





#20

Methylene Chloride

Concen: 55.139 ug/l

RT: 2.16 min Scan# 155

Delta R.T. -0.02 min

Lab File: VF061815.D

Acq: 1 Mar 2019 21:13

Instrument :

MSVOA_F

ClientSampleId :

Z-3-13-A

Tot Ion: 84 Resp: 62

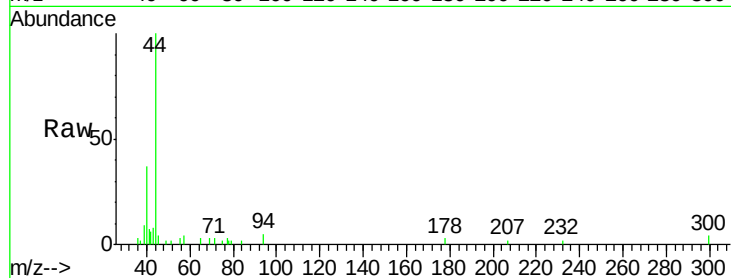
Ion Ratio Lower Upper

84 100

49 99.0 101.8 152.8#

51 107.7 31.1 46.7#

86 0.0 54.4 81.6#

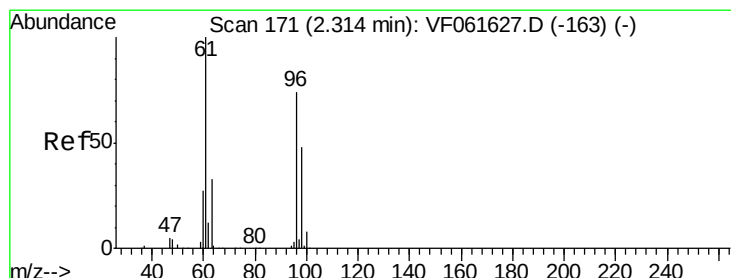
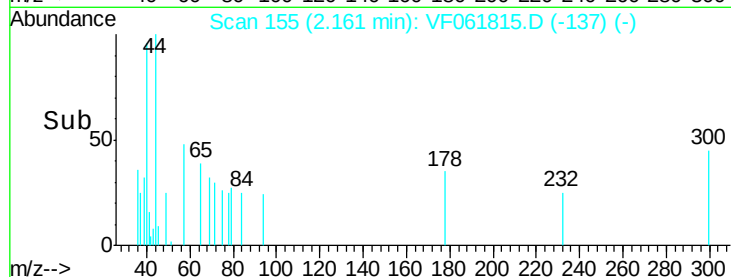
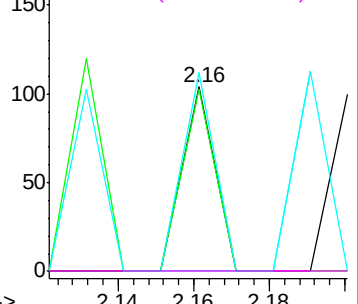


Abundance Ion 84.00 (83.70 to 84.70): VF0

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: 124.175 ug/l

RT: 2.36 min Scan# 175

Delta R.T. 0.04 min

Lab File: VF061815.D

Acq: 1 Mar 2019 21:13

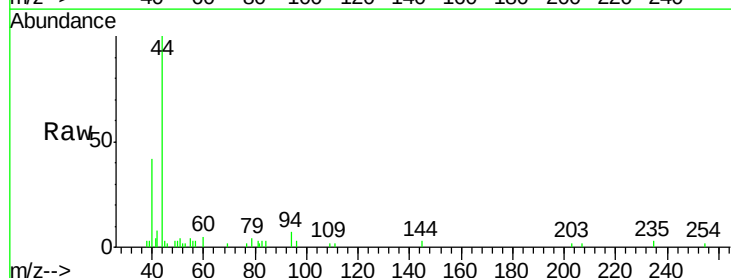
Tgt Ion: 96 Resp: 155

Ion Ratio Lower Upper

96 100

61 0.0 108.2 162.4#

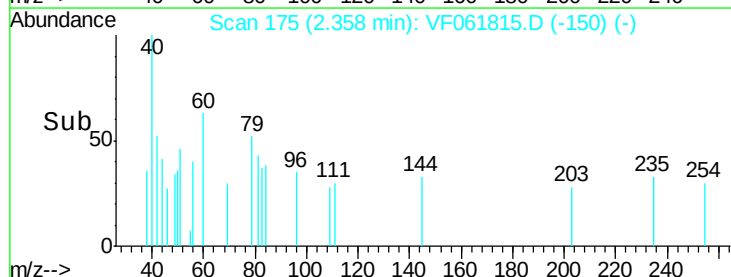
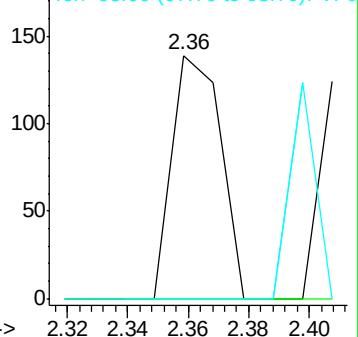
98 0.0 52.2 78.2#

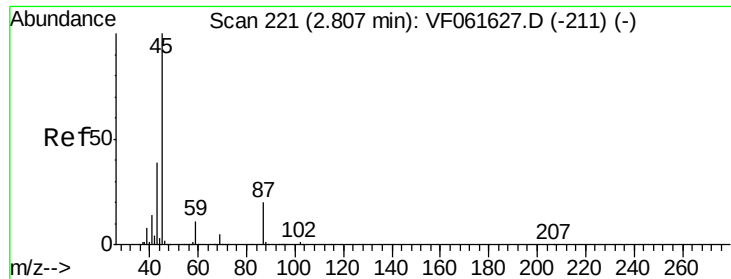


Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#22

Diisopropyl ether

Concen: 22.175 ug/l

RT: 2.82 min Scan# 222

Delta R.T. 0.01 min

Lab File: VF061815.D

Acq: 1 Mar 2019 21:13

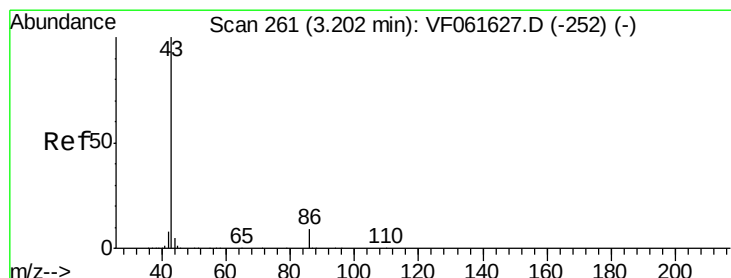
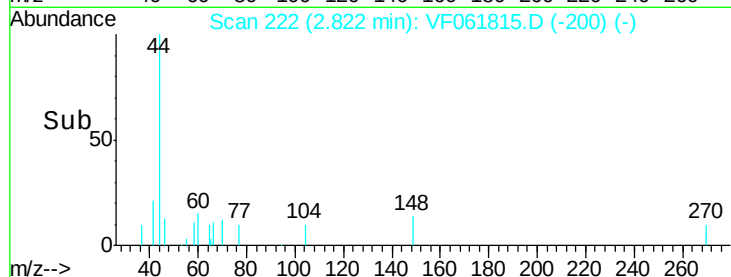
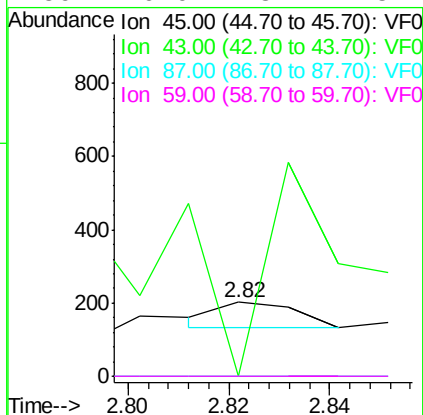
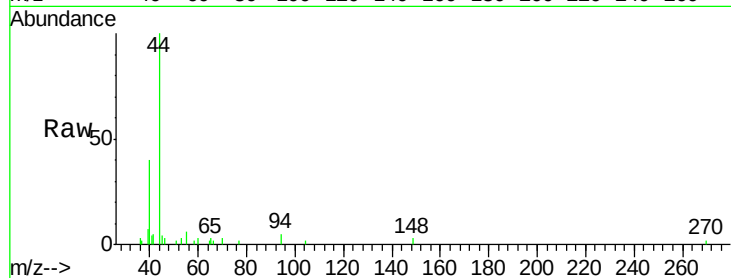
Instrument :

MSVOA_F

ClientSampleId :

Z-3-13-A

Tot Ion:	45	Resp:	75
Ion	Ratio	Lower	Upper
45	100		
43	0.0	31.4	47.2#
87	0.0	16.3	24.5#
59	0.0	8.7	13.1#



#23

Vinyl Acetate

Concen: 201.575 ug/l

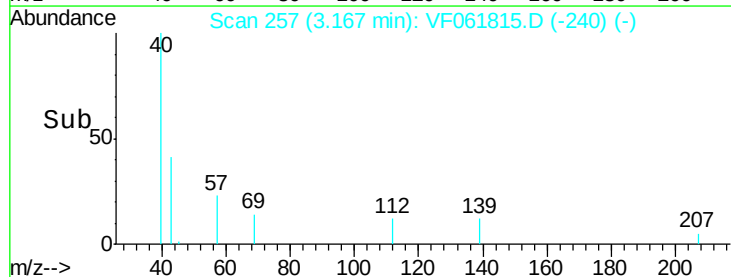
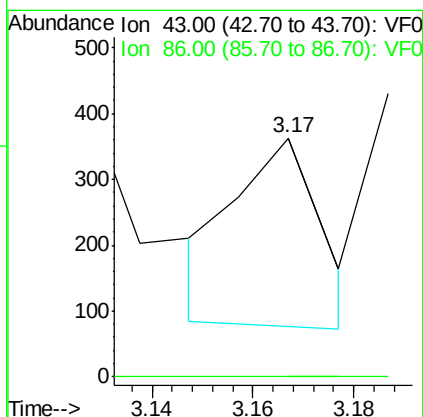
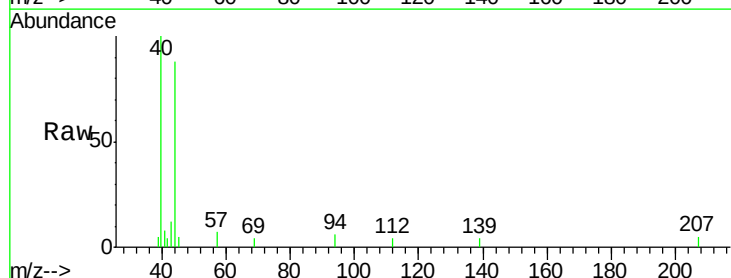
RT: 3.17 min Scan# 257

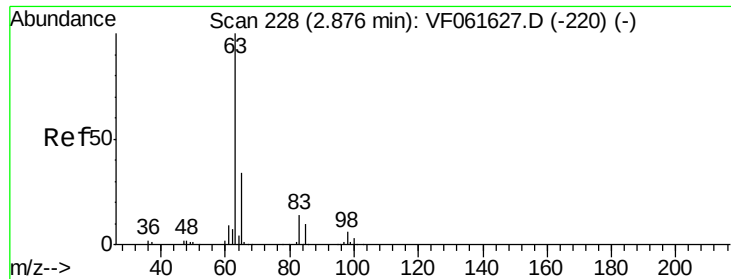
Delta R.T. -0.03 min

Lab File: VF061815.D

Acq: 1 Mar 2019 21:13

Tgt Ion:	43	Resp:	333
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.5	11.3#





#24

1,1-Dichloroethane

Concen: 32.245 ug/l

RT: 2.90 min Scan# 230

Delta R.T. 0.02 min

Lab File: VF061815.D

Acq: 1 Mar 2019 21:13

Instrument :

MSVOA_F

ClientSampled :

Z-3-13-A

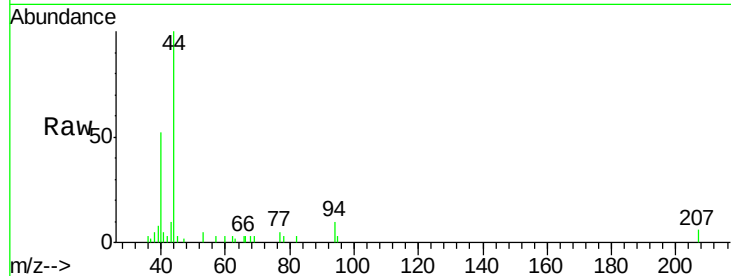
Tot Ion: 63 Resp: 66

Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.3#

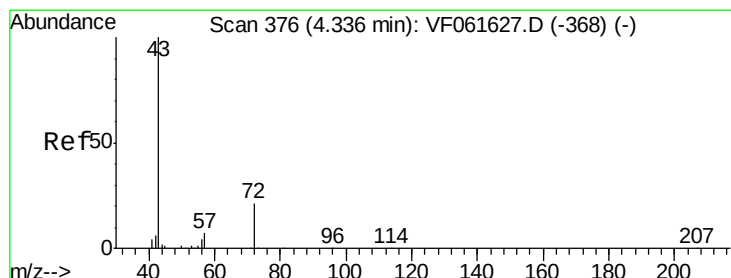
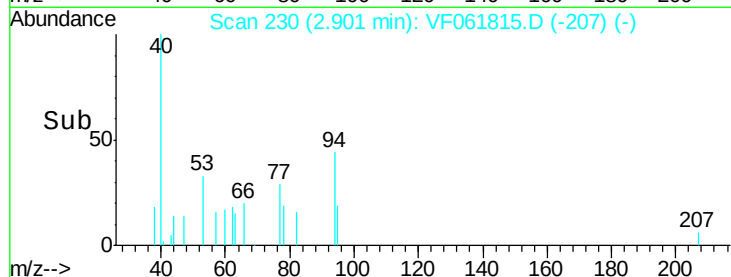
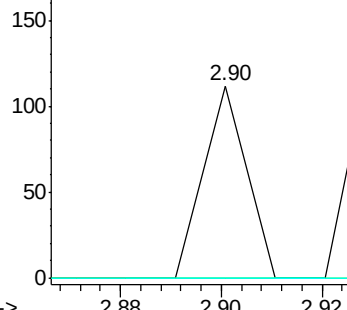
100 0.0 1.8 5.4#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#25

2-Butanone

Concen: 740.466 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF061815.D

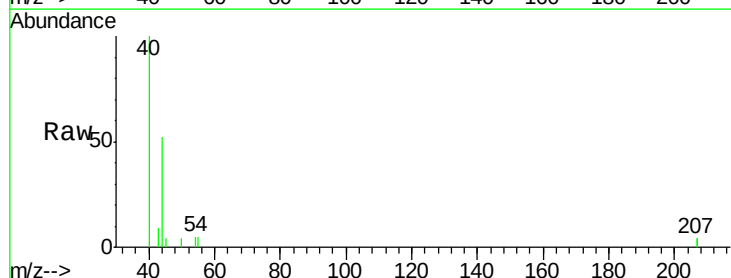
Acq: 1 Mar 2019 21:13

Tgt Ion: 43 Resp: 341

Ion Ratio Lower Upper

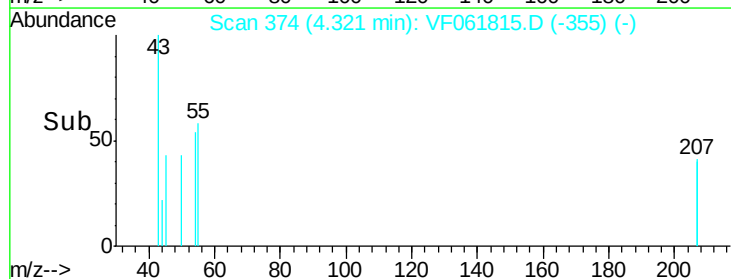
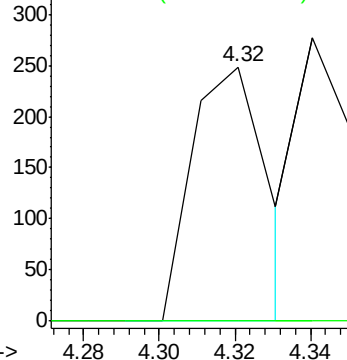
43 100

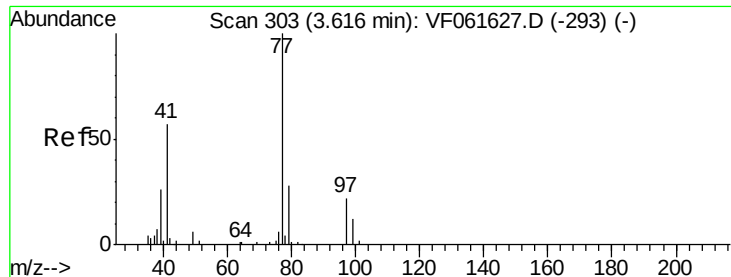
72 0.0 17.1 25.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#26

2,2-Dichloropropane

Concen: 154.557 ug/l

RT: 3.44 min Scan# 285

Delta R.T. -0.17 min

Lab File: VF061815.D

Acq: 1 Mar 2019 21:13

Instrument :

MSVOA_F

ClientSampled :

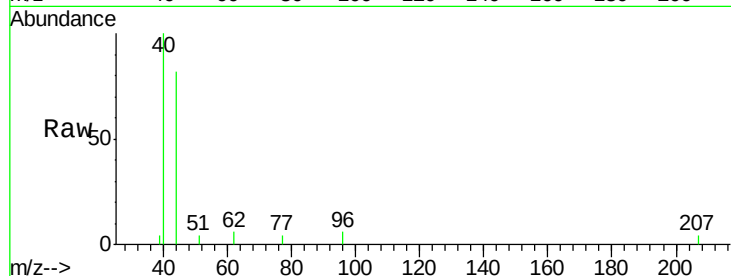
Z-3-13-A

Tot Ion: 77 Resp: 134

Ion Ratio Lower Upper

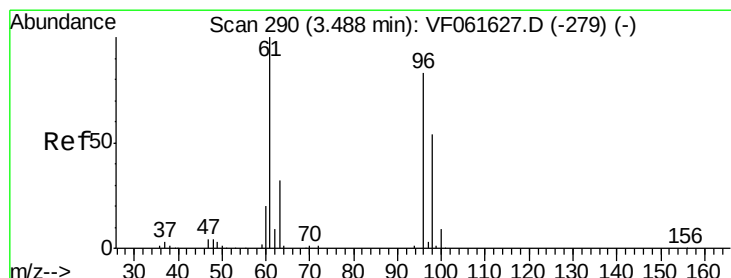
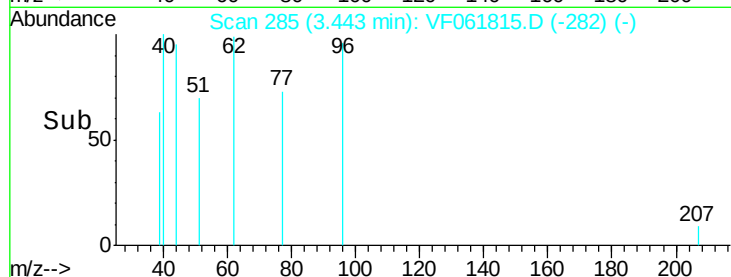
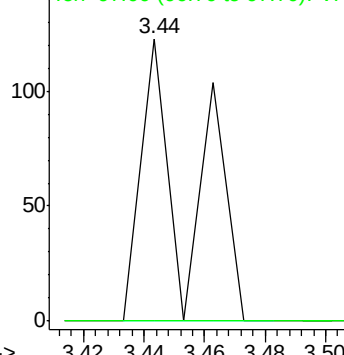
77 100

97 0.0 11.7 35.0#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



#27

cis-1,2-Dichloroethene

Concen: 100.098 ug/l

RT: 3.48 min Scan# 289

Delta R.T. -0.01 min

Lab File: VF061815.D

Acq: 1 Mar 2019 21:13

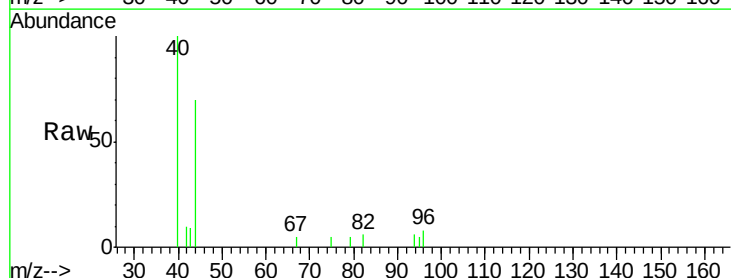
Tgt Ion: 96 Resp: 164

Ion Ratio Lower Upper

96 100

61 0.0 0.0 241.6

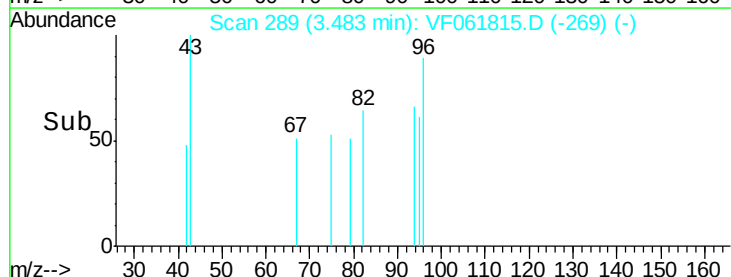
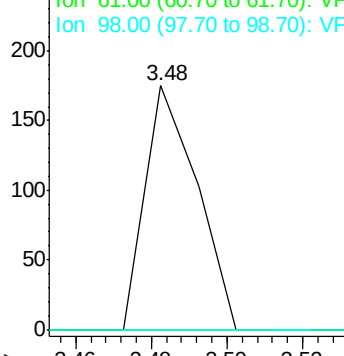
98 0.0 0.0 130.2

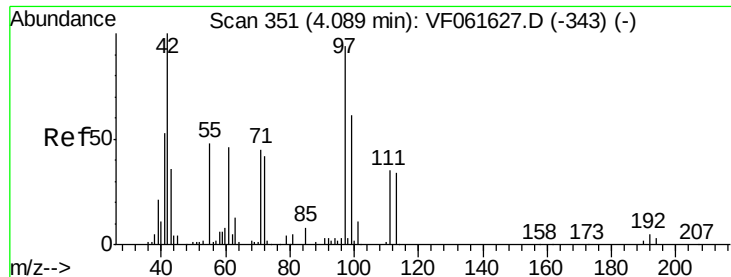


Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#29

Tetrahydrofuran

Concen: 1495.386 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF061815.D

Acq: 1 Mar 2019 21:13

Instrument :

MSVOA_F

ClientSampleId :

Z-3-13-A

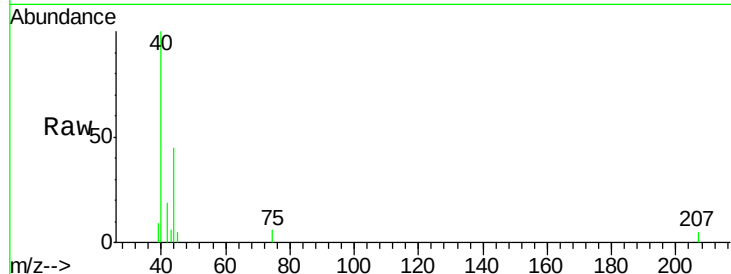
Tot Ion: 42 Resp: 313

Ion Ratio Lower Upper

42 100

72 0.0 35.2 52.8#

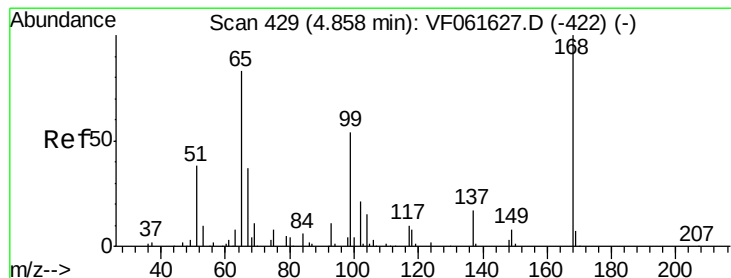
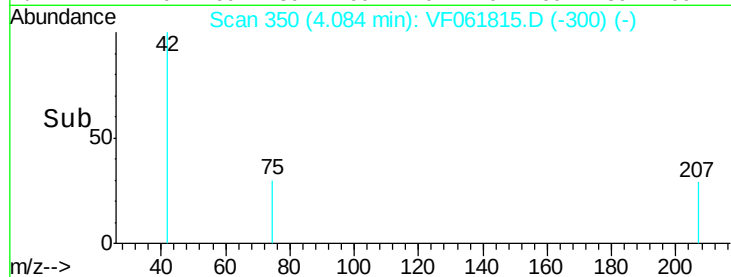
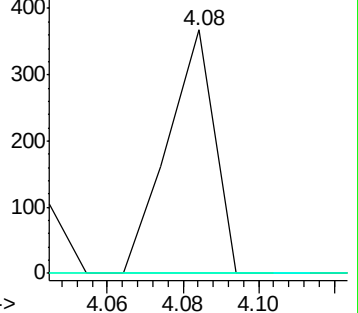
71 0.0 32.9 49.3#



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



#33

1,2-Dichloroethane-d4

Concen: 95.661 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061815.D

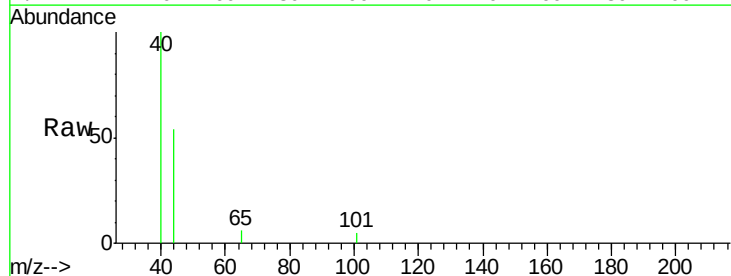
Acq: 1 Mar 2019 21:13

Tgt Ion: 65 Resp: 94

Ion Ratio Lower Upper

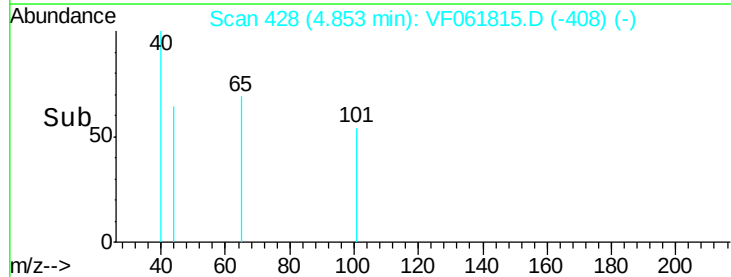
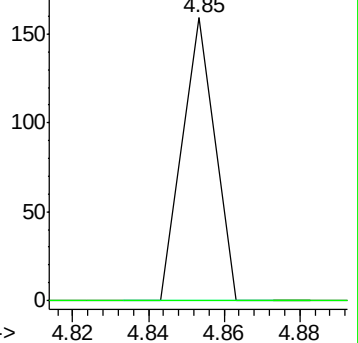
65 100

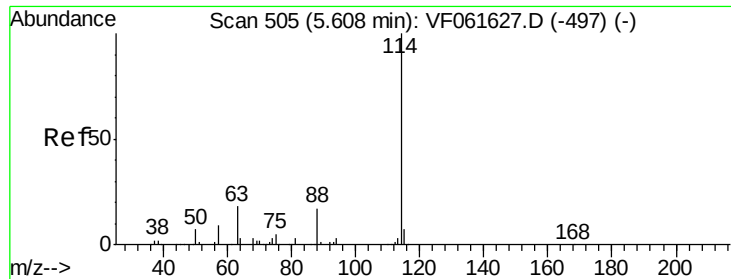
67 0.0 0.0 104.0



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: 5.59 min Scan# 503

Delta R.T. -0.02 min

Lab File: VF061815.D

Acq: 1 Mar 2019 21:13

Instrument :

MSVOA_F

ClientSampleId :

Z-3-13-A

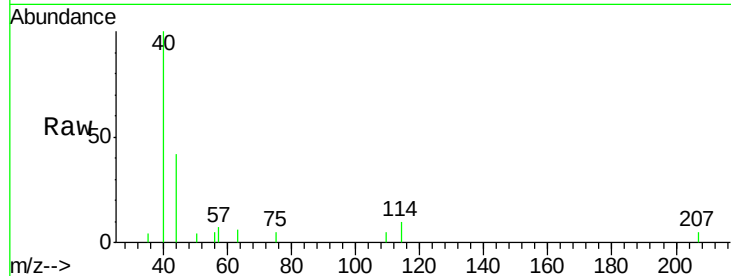
Tot Ion:114 Resp: 443

Ion Ratio Lower Upper

114 100

63 61.3 0.0 36.6#

88 0.0 0.0 34.4



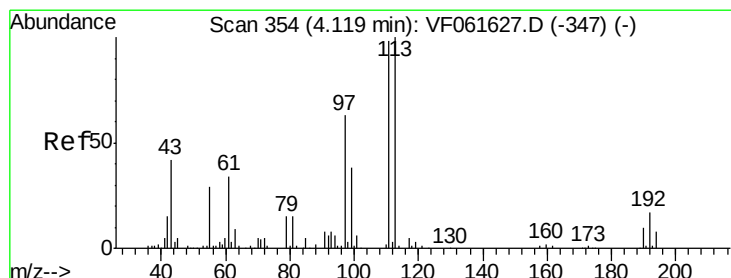
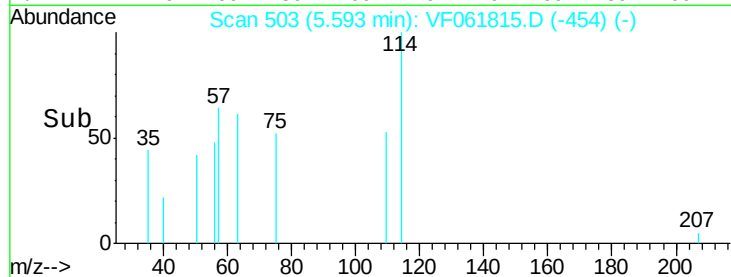
Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

5.59

Time-->



#35

Dibromofluoromethane

Concen: 23.710 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061815.D

Acq: 1 Mar 2019 21:13

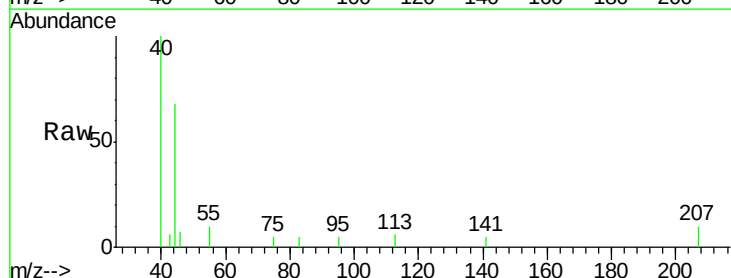
Tgt Ion:113 Resp: 78

Ion Ratio Lower Upper

113 100

111 0.0 78.8 118.2#

192 0.0 13.4 20.0#



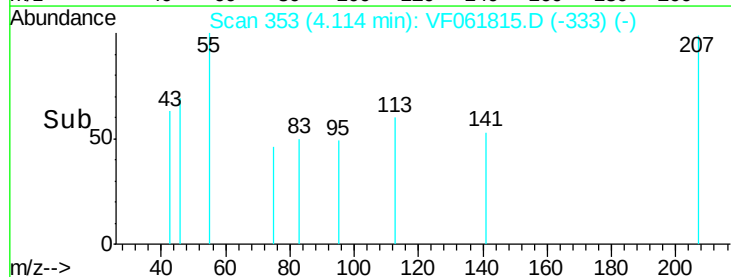
Abundance Ion 113.00 (112.70 to 113.70): V

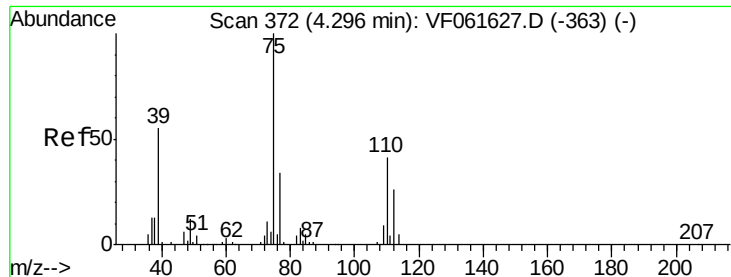
Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

4.11

Time-->





#36

1,1-Dichloropropene

Concen: 18.685 ug/l

RT: 4.31 min Scan# 373

Delta R.T. 0.01 min

Lab File: VF061815.D

Acq: 1 Mar 2019 21:13

Instrument :

MSVOA_F

ClientSampleId :

Z-3-13-A

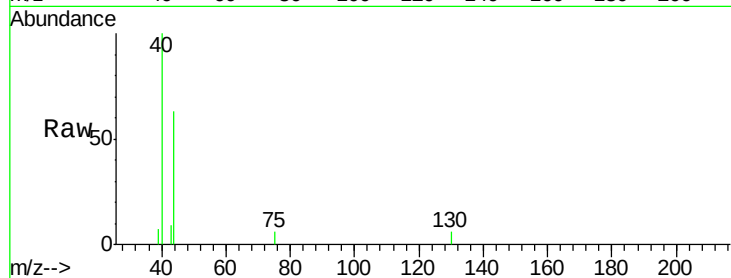
Tot Ion: 75 Resp: 82

Ion Ratio Lower Upper

75 100

110 0.0 20.5 61.6#

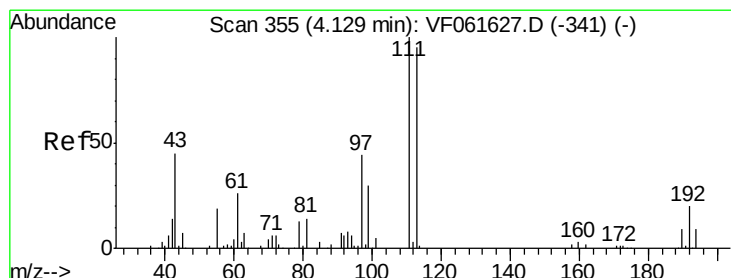
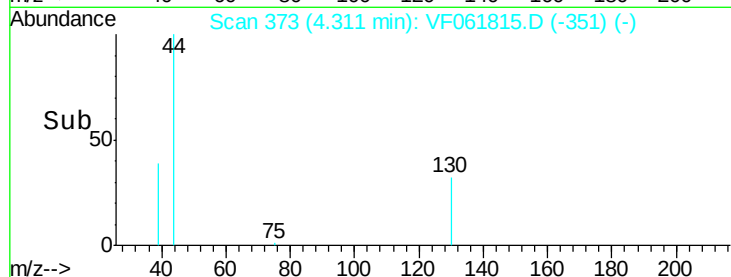
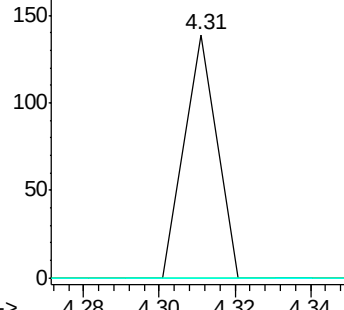
77 0.0 27.0 40.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#37

Ethyl Acetate

Concen: 175.143 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF061815.D

Acq: 1 Mar 2019 21:13

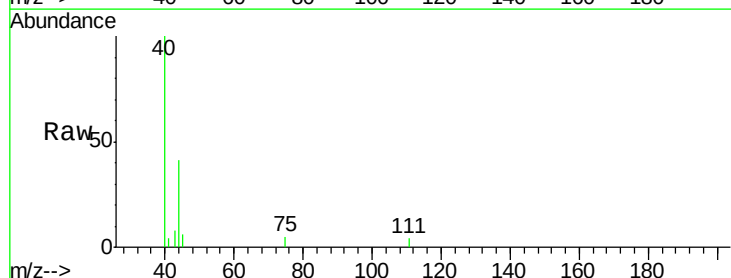
Tgt Ion: 43 Resp: 357

Ion Ratio Lower Upper

43 100

61 0.0 45.7 68.5#

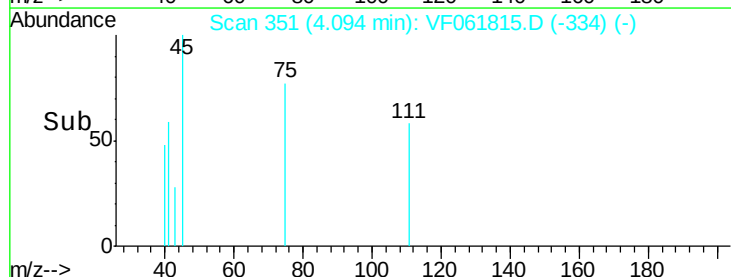
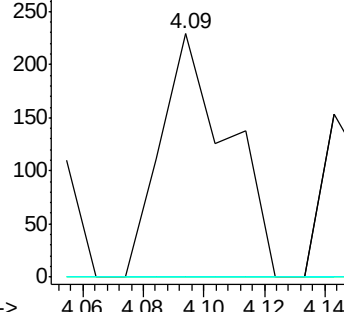
70 0.0 8.5 12.7#

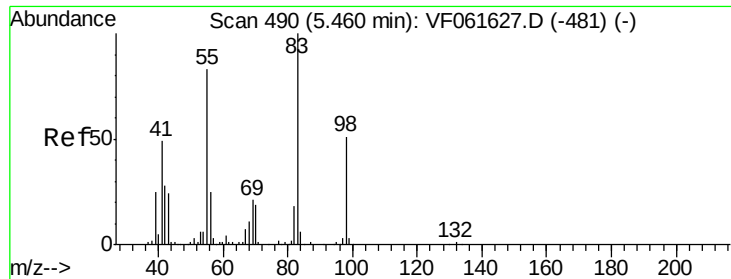


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

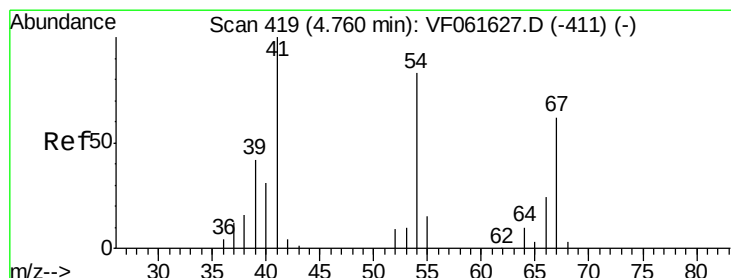
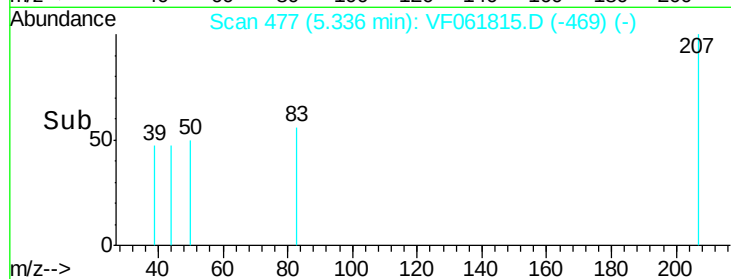
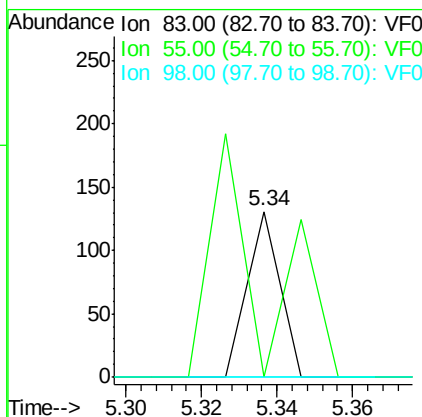
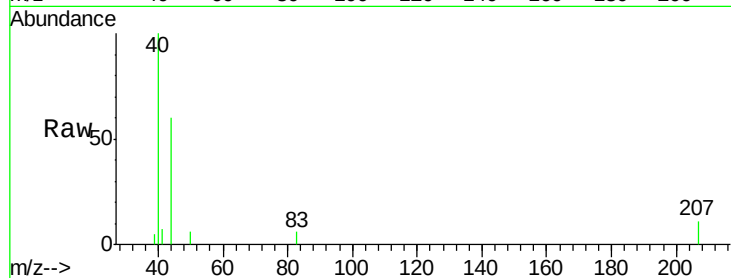




#39
Methylcyclohexane
Concen: 15.029 ug/l
RT: 5.34 min Scan# 477
Delta R.T. -0.12 min
Lab File: VF061815.D
Acq: 1 Mar 2019 21:13

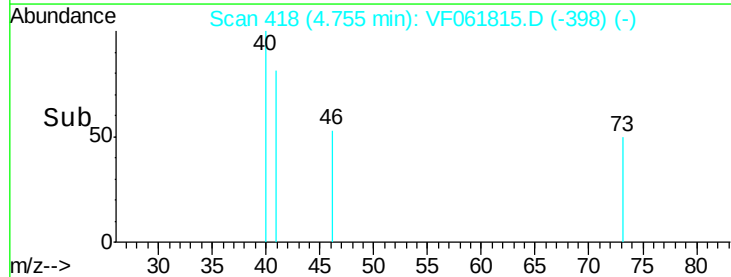
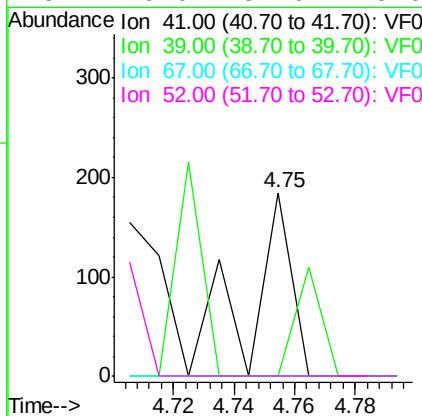
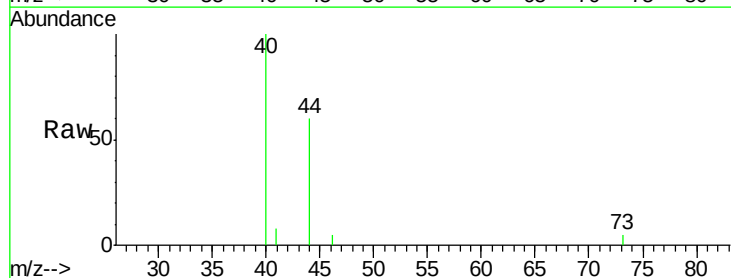
Instrument :
MSVOA_F
ClientSampled :
Z-3-13-A

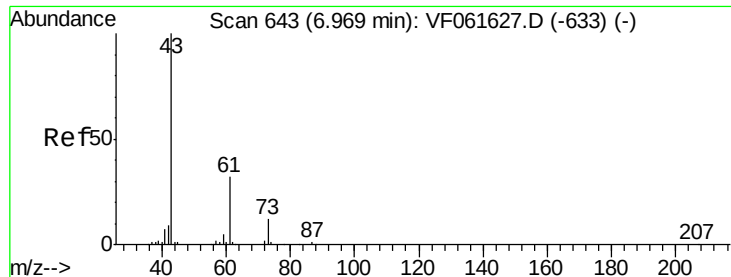
Tot Ion: 83 Resp: 78
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 0.0 40.4 60.6#



#41
Methacrylonitrile
Concen: 171.718 ug/l
RT: 4.75 min Scan# 418
Delta R.T. -0.01 min
Lab File: VF061815.D
Acq: 1 Mar 2019 21:13

Tgt Ion: 41 Resp: 179
Ion Ratio Lower Upper
41 100
39 0.0 45.3 67.9#
67 0.0 49.3 73.9#
52 0.0 32.6 49.0#





#43

Isopropyl Acetate

Concen: 86.623 ug/l

RT: 6.90 min Scan# 636

Delta R.T. -0.06 min

Lab File: VF061815.D

Acq: 1 Mar 2019 21:13

Instrument :

MSVOA_F

ClientSampleId :

Z-3-13-A

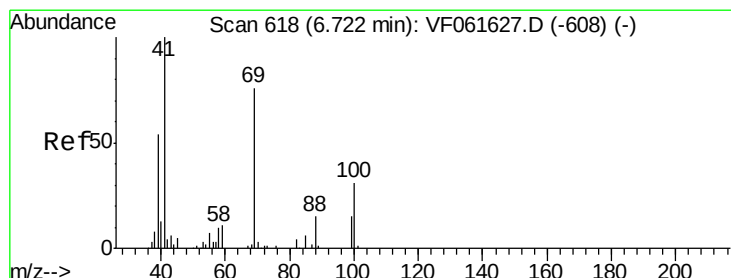
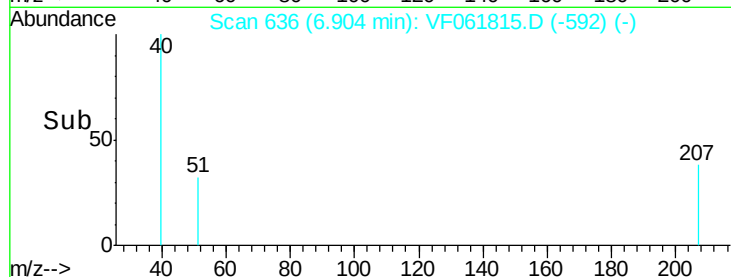
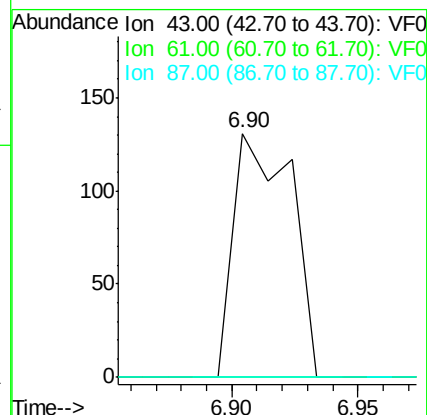
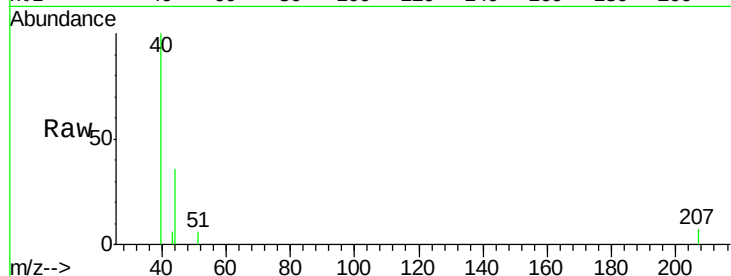
Tot Ion: 43 Resp: 209

Ion Ratio Lower Upper

43 100

61 0.0 25.8 38.6#

87 0.0 0.4 0.6#



#48

Methyl methacrylate

Concen: 117.083 ug/l

RT: 6.72 min Scan# 617

Delta R.T. -0.01 min

Lab File: VF061815.D

Acq: 1 Mar 2019 21:13

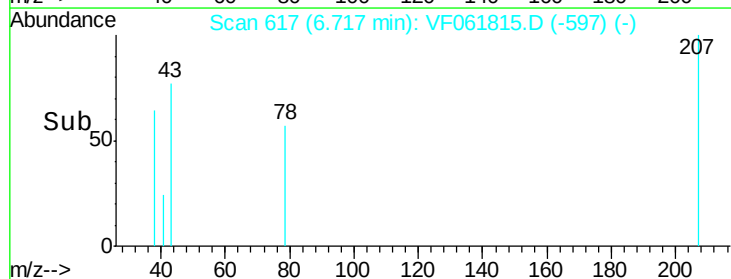
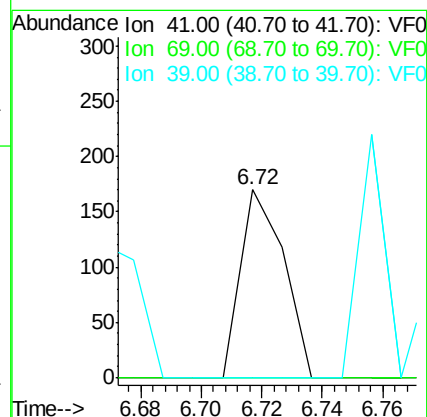
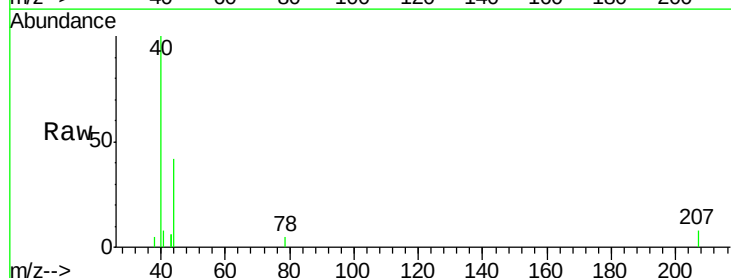
Tgt Ion: 41 Resp: 170

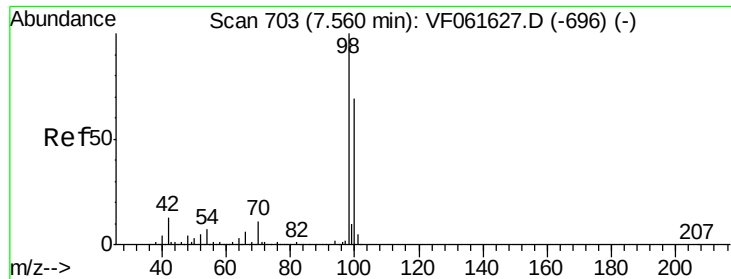
Ion Ratio Lower Upper

41 100

69 0.0 60.4 90.6#

39 0.0 43.7 65.5#

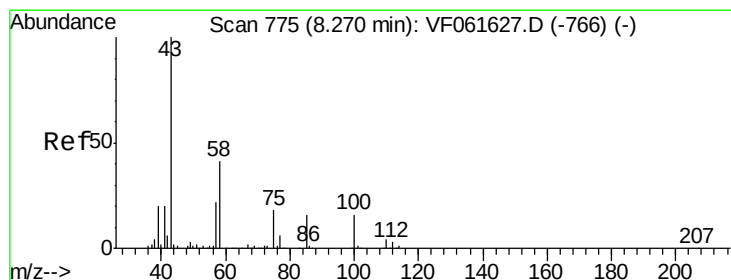
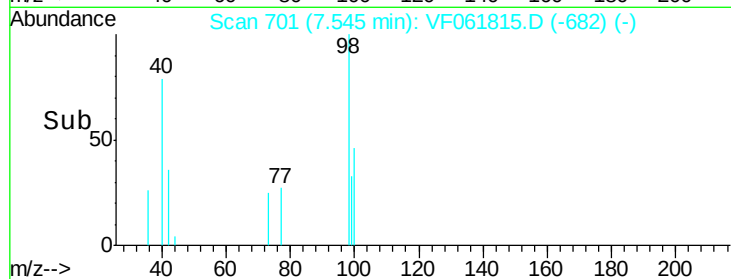
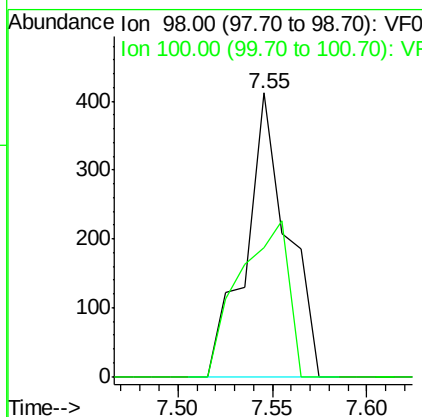
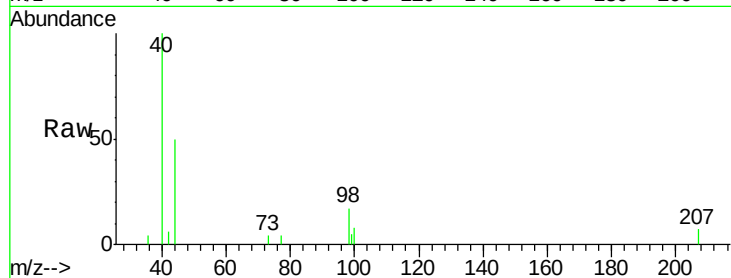




#50
Toluene-d8
Concen: 66.088 ug/l
RT: 7.55 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061815.D
Acq: 1 Mar 2019 21:13

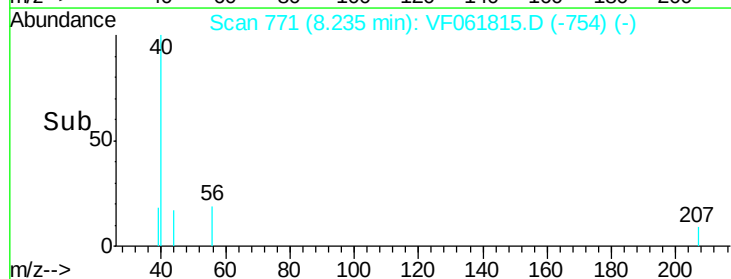
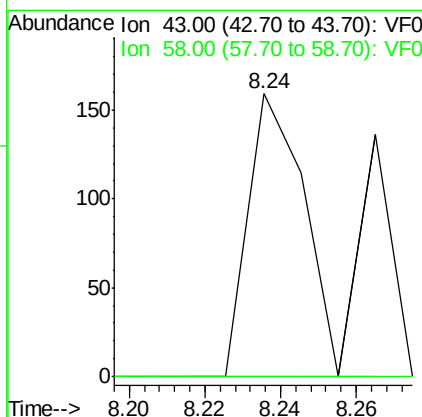
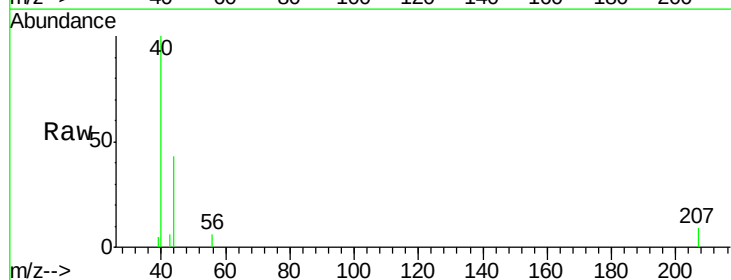
Instrument :
MSVOA_F
ClientSampleId :
Z-3-13-A

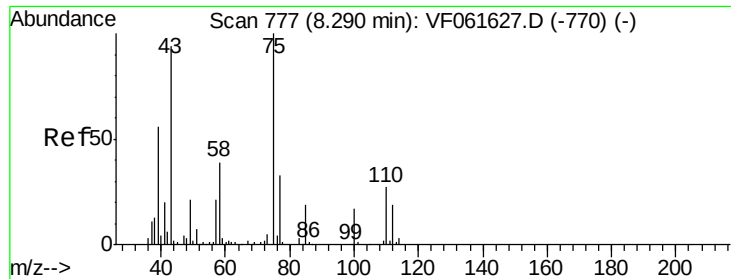
Tot Ion: 98 Resp: 625
Ion Ratio Lower Upper
98 100
100 45.6 55.4 83.2#



#51
4-Methyl-2-Pentanone
Concen: 93.968 ug/l
RT: 8.24 min Scan# 771
Delta R.T. -0.03 min
Lab File: VF061815.D
Acq: 1 Mar 2019 21:13

Tgt Ion: 43 Resp: 162
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#





#53

t-1,3-Dichloropropene

Concen: 26.658 ug/l

RT: 8.31 min Scan# 779

Delta R.T. 0.02 min

Lab File: VF061815.D

Acq: 1 Mar 2019 21:13

Instrument :

MSVOA_F

ClientSampleId :

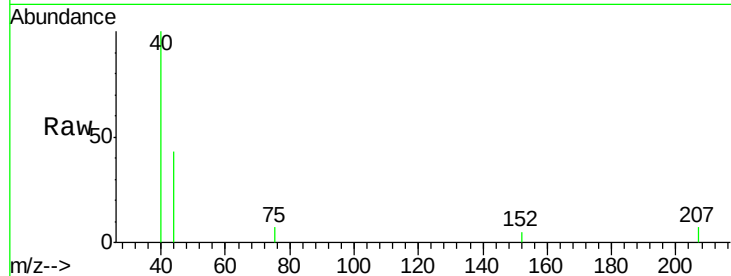
Z-3-13-A

Tot Ion: 75 Resp: 83

Ion Ratio Lower Upper

75 100

77 0.0 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.31

150

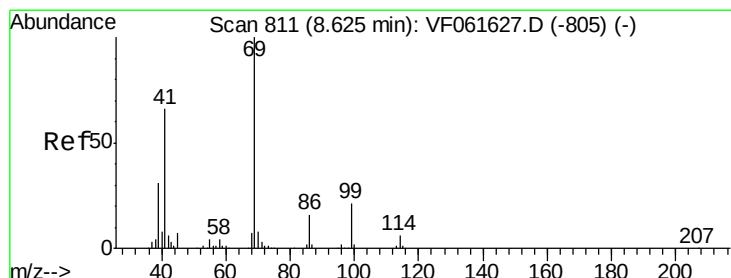
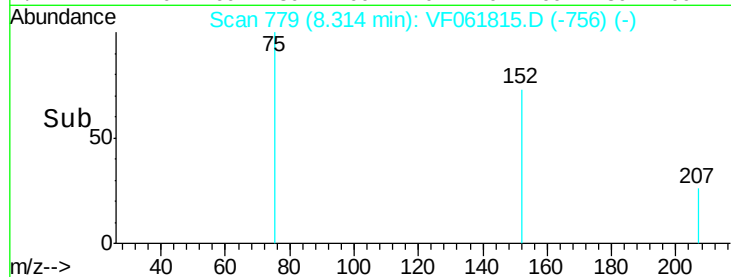
100

50

0

8.28 8.30 8.32 8.34

Time-->



#56

Ethyl methacrylate

Concen: 27.226 ug/l

RT: 8.52 min Scan# 800

Delta R.T. -0.10 min

Lab File: VF061815.D

Acq: 1 Mar 2019 21:13

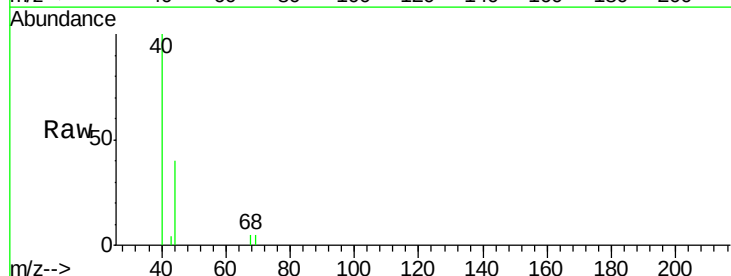
Tgt Ion: 69 Resp: 62

Ion Ratio Lower Upper

69 100

41 0.0 52.9 79.3#

39 0.0 24.5 36.7#



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

250

200

150

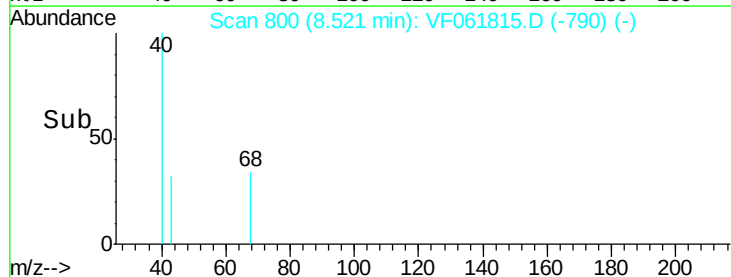
100

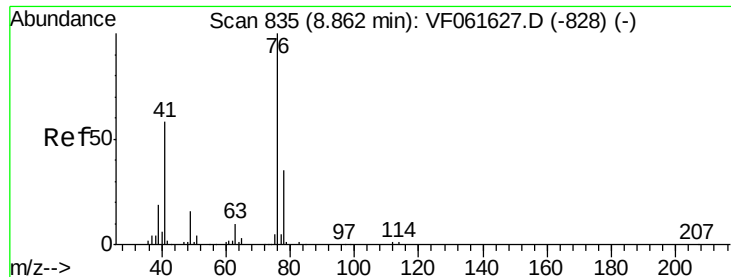
50

0

8.50 8.52 8.54

Time-->





#57

1,3-Dichloropropane

Concen: 17.574 ug/l

RT: 8.86 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF061815.D

Acq: 1 Mar 2019 21:13

Instrument :

MSVOA_F

ClientSampleId :

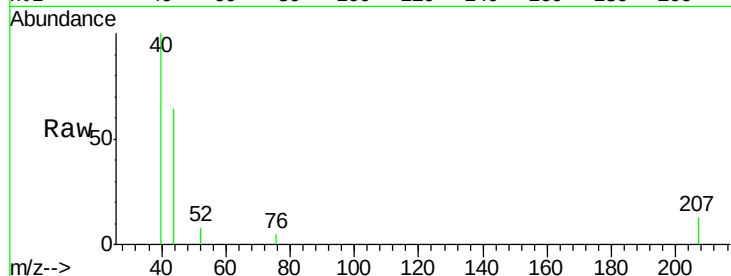
Z-3-13-A

Tot Ion: 76 Resp: 60

Ion Ratio Lower Upper

76 100

78 0.0 27.8 41.6#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

8.86

100

80

60

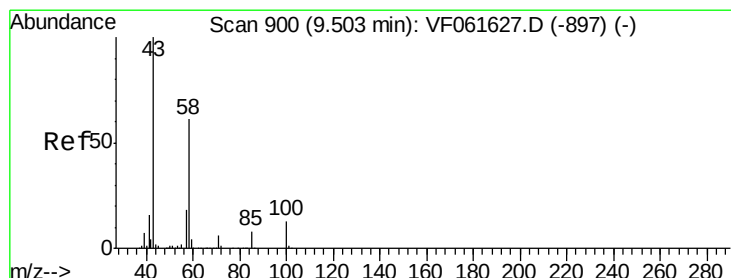
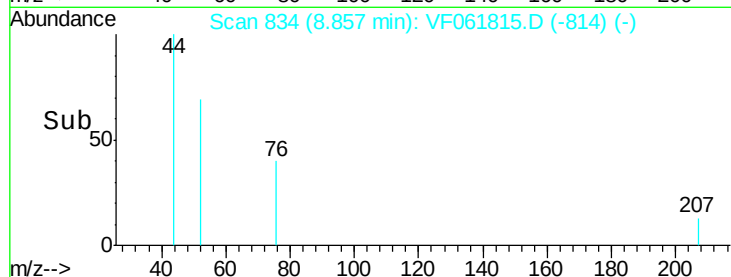
40

20

0

8.82 8.84 8.86 8.88

Time-->



#59

2-Hexanone

Concen: 65.372 ug/l

RT: 9.47 min Scan# 896

Delta R.T. -0.03 min

Lab File: VF061815.D

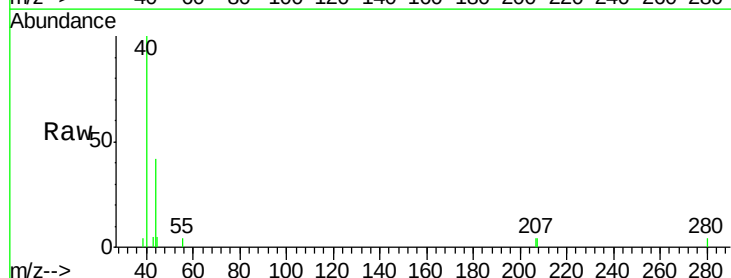
Acq: 1 Mar 2019 21:13

Tgt Ion: 43 Resp: 79

Ion Ratio Lower Upper

43 100

58 0.0 28.5 85.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.47

150

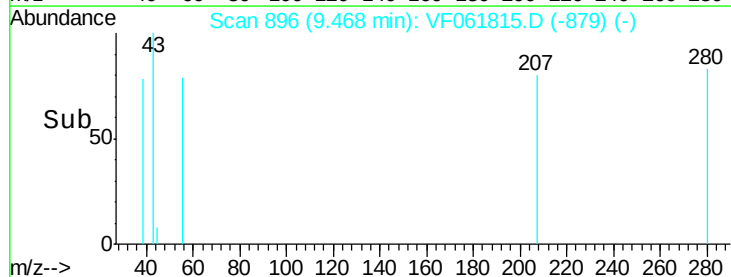
100

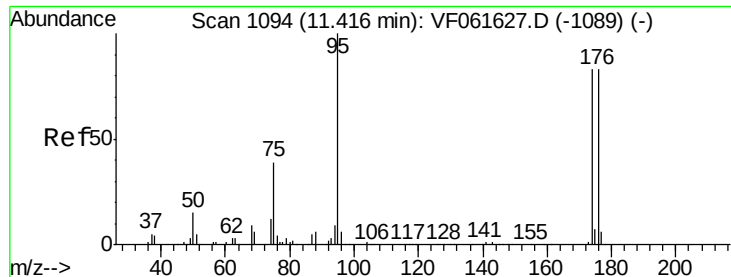
50

0

9.44 9.46 9.48

Time-->





#62

4-Bromofluorobenzene

Concen: 24.043 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF061815.D

Acq: 1 Mar 2019 21:13

Instrument :

MSVOA_F

ClientSampled :

Z-3-13-A

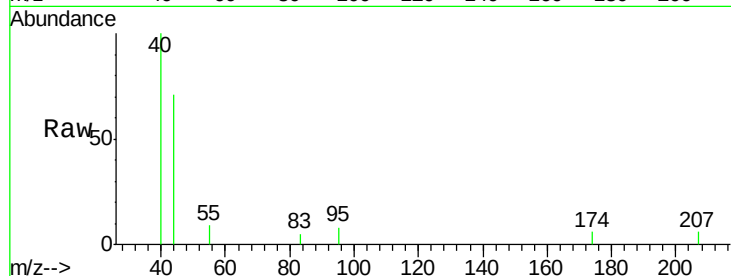
Tot Ion: 95 Resp: 92

Ion Ratio Lower Upper

95 100

174 69.7 0.0 165.8

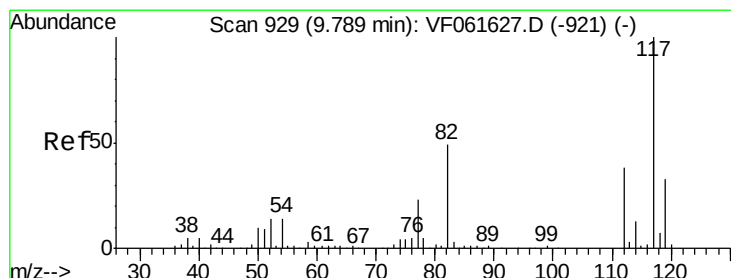
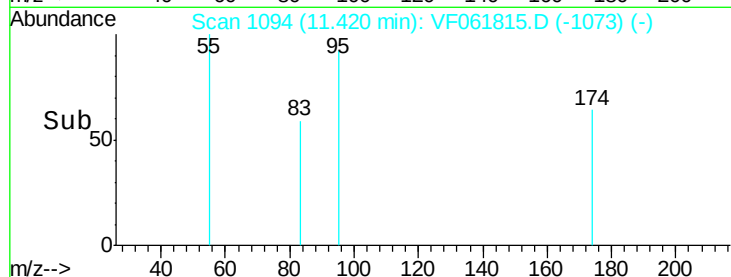
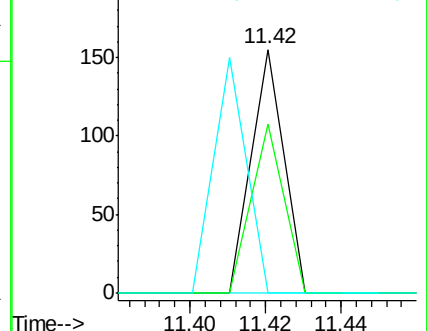
176 0.0 0.0 167.0



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: 9.76 min Scan# 926

Delta R.T. -0.02 min

Lab File: VF061815.D

Acq: 1 Mar 2019 21:13

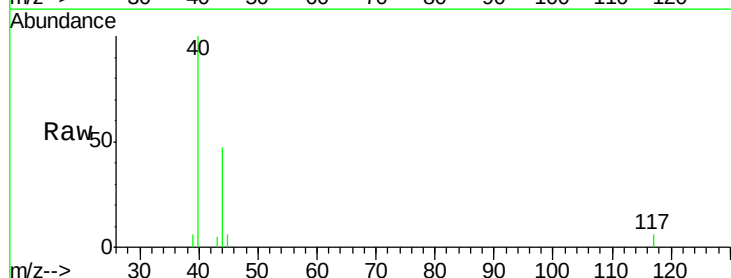
Tgt Ion: 117 Resp: 208

Ion Ratio Lower Upper

117 100

82 0.0 39.3 58.9#

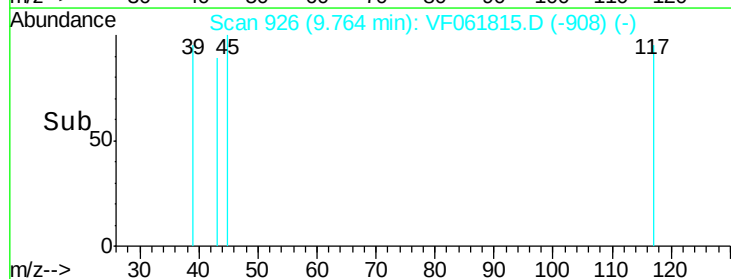
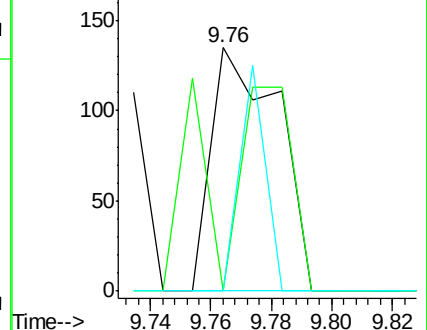
119 0.0 26.6 40.0#

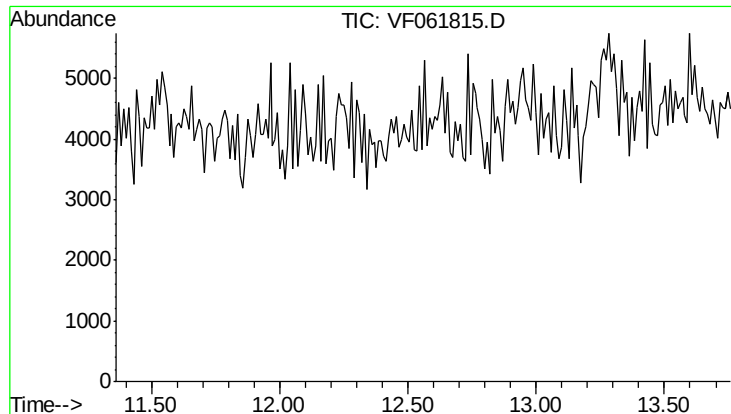


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 12.56 min
Lab File: VF061815.D
Acq: 1 Mar 2019 21:13

Instrument :
MSVOA_F
ClientSampleId :
Z-3-13-A

Tot Ion	152
Sig	Exp Ratio
152	100
115	48.5
150	156.0

