

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF010219\
 Data File : VF061259.D
 Acq On : 2 Jan 2019 17:32
 Operator : VA/AP
 Sample : K1019-05
 Misc : 5.99g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 A-GLICAL-PILE

Quant Time: Jan 03 03:49:47 2019
 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	4.86	168	2669	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	3788	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	2404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	296	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	484	14.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	28.20%	
35) Dibromofluoromethane	4.10	113	906	29.86	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	59.72%	
50) Toluene-d8	7.54	98	3268	38.00	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	76.00%	
62) 4-Bromofluorobenzene	11.41	95	703	17.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.46%	

Target Compounds

						Qvalue
3) Chloromethane	1.11	50	189	5.561	ug/l #	42
4) Vinyl Chloride	1.16	62	127	4.028	ug/l #	37
5) Bromomethane	1.36	94	423	19.344	ug/l #	3
8) Diethyl Ether	1.64	74	60	7.279	ug/l	99
10) Methyl Iodide	1.90	142	73	1.484	ug/l #	24
11) Tert butyl alcohol	2.56	59	93	67.135	ug/l #	65
12) 1,1-Dichloroethene	1.77	96	74	3.145	ug/l #	1
13) Acrolein	2.03	56	430	429.575	ug/l	87
14) Allyl chloride	2.10	41	372	15.194	ug/l #	58
15) Acrylonitrile	2.95	53	1041	324.978	ug/l #	1
16) Acetone	2.25	43	1014	147.759	ug/l #	66
17) Carbon Disulfide	1.80	76	73	1.027	ug/l #	68
18) Methyl Acetate	2.48	43	1022	71.982	ug/l	98
19) Methyl tert-butyl Ether	2.42	73	81	1.551	ug/l #	1
20) Methylene Chloride	2.27	84	65	Below Cal	#	1
21) trans-1,2-Dichloroethene	2.28	96	70	2.782	ug/l #	1
22) Diisopropyl ether	2.79	45	306	3.752	ug/l #	16
23) Vinyl Acetate	3.16	43	307	8.160	ug/l #	78
24) 1,1-Dichloroethane	2.94	63	137	2.835	ug/l #	88
25) 2-Butanone	4.33	43	392	35.221	ug/l #	57
26) 2,2-Dichloropropane	3.65	77	78	2.813	ug/l #	62
27) cis-1,2-Dichloroethene	3.40	96	88	2.284	ug/l	1
29) Tetrahydrofuran	4.06	42	67	14.791	ug/l #	37
30) Chloroform	3.71	83	85	1.173	ug/l #	16
31) Cyclohexane	3.63	56	76	1.516	ug/l #	15
37) Ethyl Acetate	4.12	43	540	28.165	ug/l #	21
38) Carbon Tetrachloride	3.83	117	94	2.700	ug/l #	9
39) Methylcyclohexane	5.41	83	168	4.096	ug/l #	14
41) Methacrylonitrile	4.74	41	368	38.109	ug/l #	28
43) Isopropyl Acetate	6.97	43	61	2.763	ug/l #	45
47) Bromodichloromethane	6.44	83	80	1.775	ug/l #	24
48) Methyl methacrylate	6.74	41	269	17.453	ug/l #	19
51) 4-Methyl-2-Pentanone	8.27	43	634	41.872	ug/l #	38
54) cis-1,3-Dichloropropene	7.41	75	62	1.358	ug/l #	41

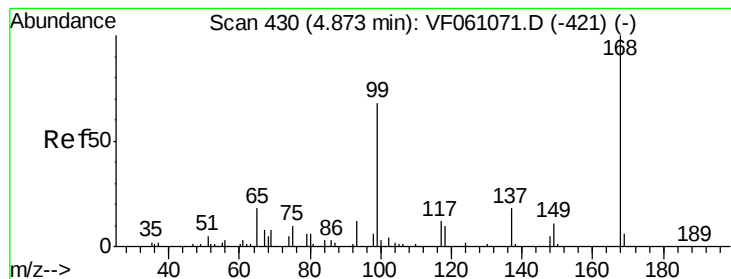
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF010219\
 Data File : VF061259.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,3-Dichloropropane	8.79	76	77	2.182	ug/l #	42
59) 2-Hexanone	9.45	43	75	6.849	ug/l #	27
74) N-amyl acetate	11.36	43	464	81.933	ug/l #	48
76) 1,2,3-Trichloropropane	11.65	75	95	30.154	ug/l #	39
82) 4-Chlorotoluene	11.98	91	62	3.425	ug/l #	43
84) 1,2,4-Trimethylbenzene	12.20	105	60	2.865	ug/l #	29
85) sec-Butylbenzene	12.20	105	60	2.127	ug/l #	58
89) n-Butylbenzene	12.70	91	66	2.566	ug/l #	26
92) 1,2-Dibromo-3-Chloropropan	13.55	75	67	86.245	ug/l #	2
95) Naphthalene	14.46	128	74	5.821	ug/l #	70

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

Instrument :

MSVOA_F

ClientSampleId :

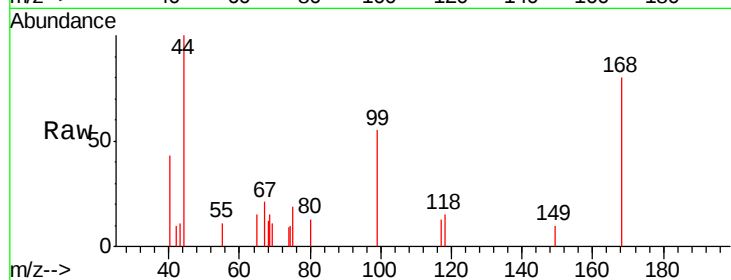
A-GLICAL-PILE

Tgt Ion:168 Resp: 2669

Ion Ratio Lower Upper

168 100

99 68.2 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

800

600

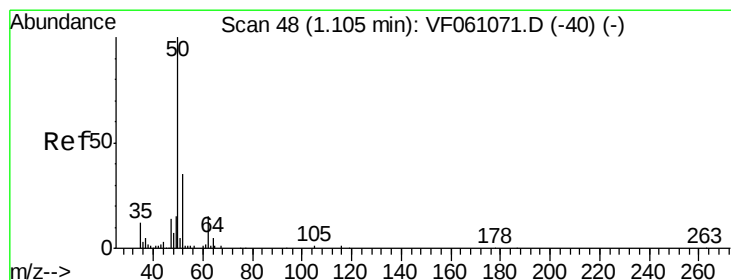
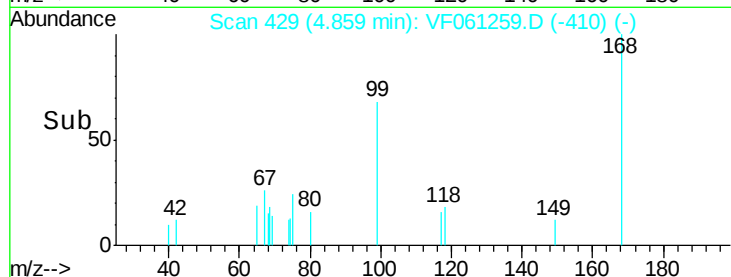
400

200

0

4.80 4.85 4.90 4.95

Time-->



#3

Chloromethane

Concen: 5.561 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF061259.D

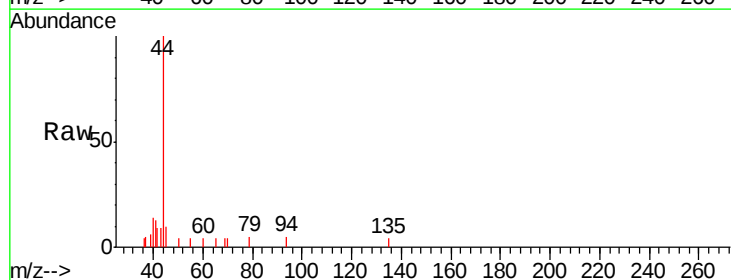
Acq: 2 Jan 2019 17:32

Tgt Ion: 50 Resp: 189

Ion Ratio Lower Upper

50 100

52 0.0 26.3 39.5#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

150

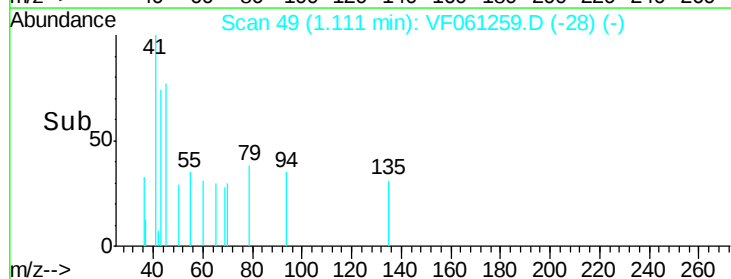
100

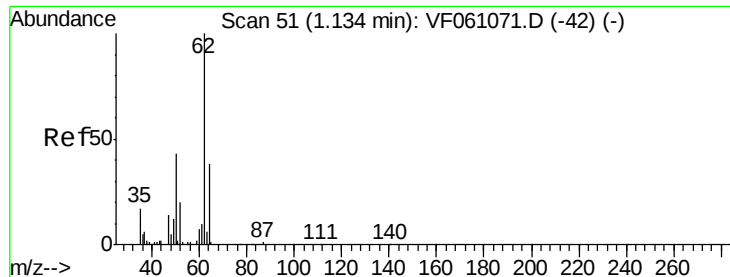
50

0

1.08 1.10 1.12

Time-->





#4

Vinyl Chloride

Concen: 4.028 ug/l

RT: 1.16 min Scan# 54

Delta R.T. 0.03 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

Instrument :

MSVOA_F

ClientSampleId :

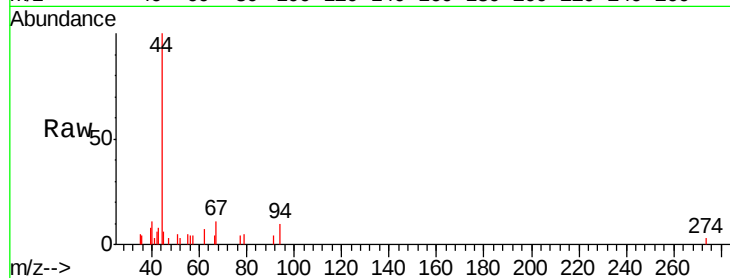
A-GLICAL-PILE

Tgt Ion: 62 Resp: 127

Ion Ratio Lower Upper

62 100

64 0.0 30.4 45.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.16

200

150

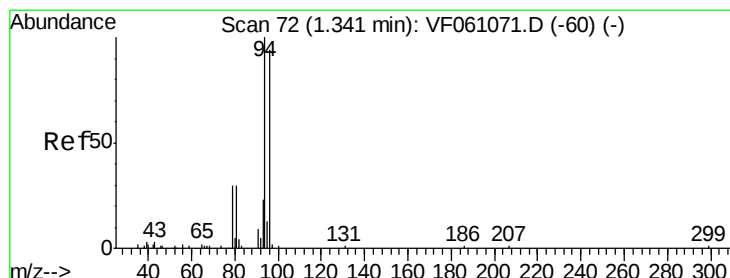
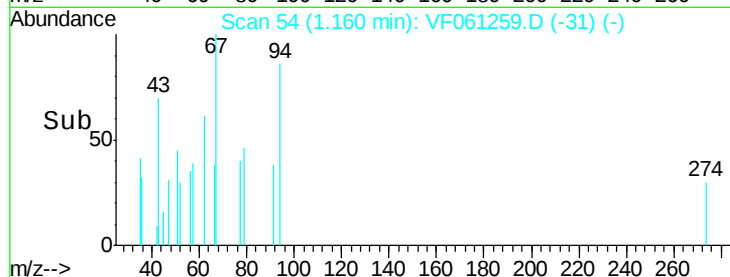
100

50

0

1.14 1.16 1.18

Time-->



#5

Bromomethane

Concen: 19.344 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.02 min

Lab File: VF061259.D

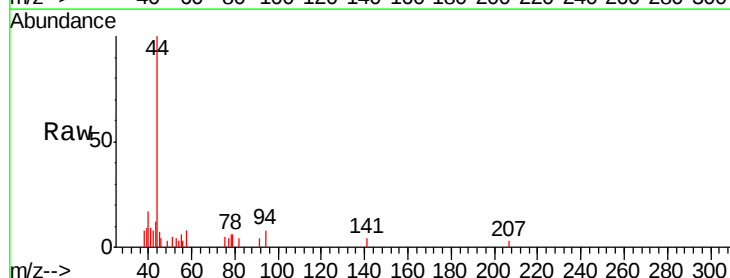
Acq: 2 Jan 2019 17:32

Tgt Ion: 94 Resp: 423

Ion Ratio Lower Upper

94 100

96 0.0 74.4 111.6#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

300

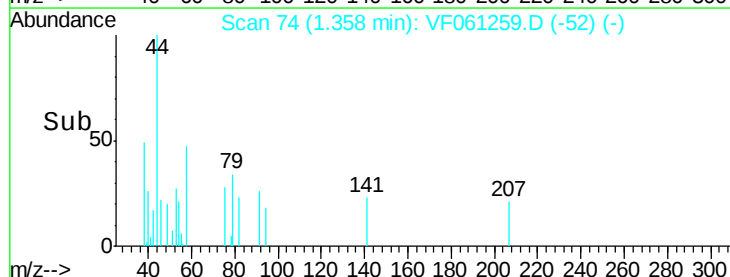
200

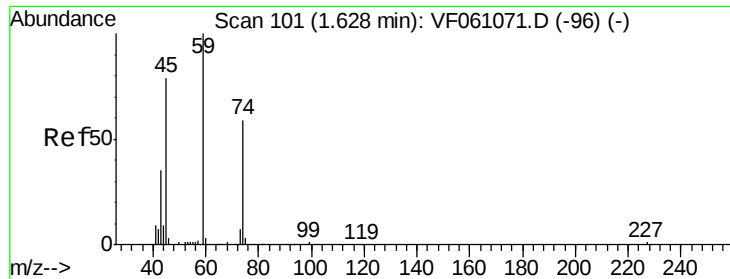
100

0

1.32 1.34 1.36 1.38

Time-->





#8

Diethyl Ether

Concen: 7.279 ug/l

RT: 1.64 min Scan# 103

Delta R.T. 0.02 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

Instrument :

MSVOA_F

ClientSampleId :

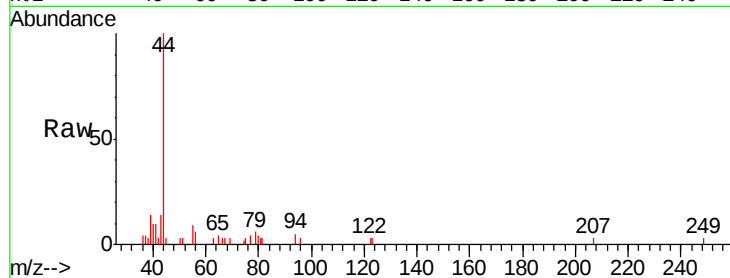
A-GLICAL-PILE

Tgt Ion: 74 Resp: 60

Ion Ratio Lower Upper

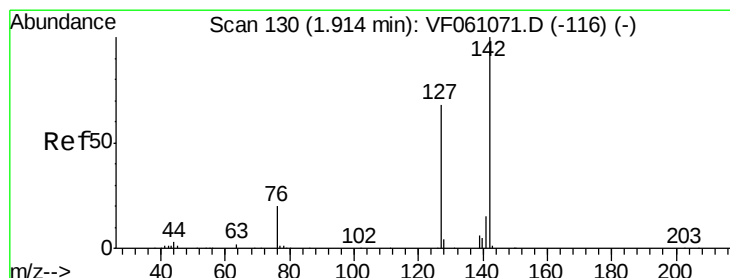
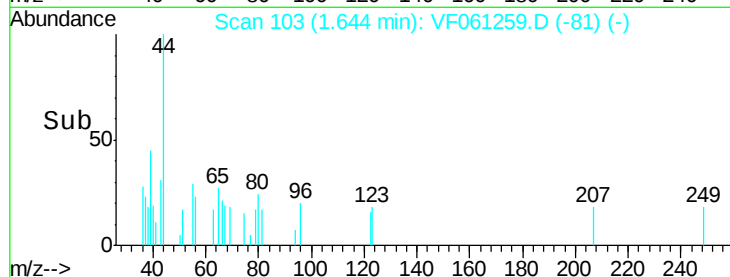
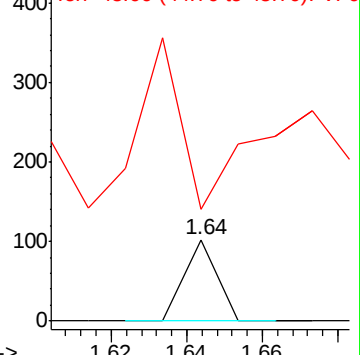
74 100

45 137.3 67.8 203.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#10

Methyl Iodide

Concen: 1.484 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

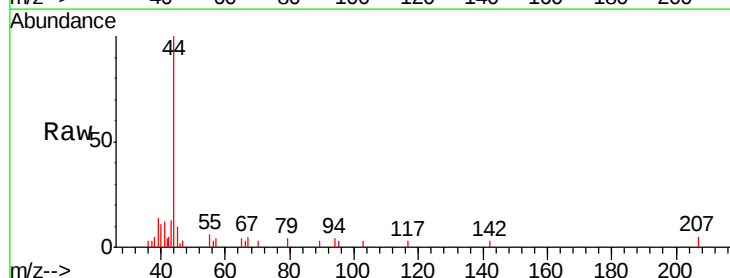
Tgt Ion:142 Resp: 73

Ion Ratio Lower Upper

142 100

127 0.0 54.7 82.1#

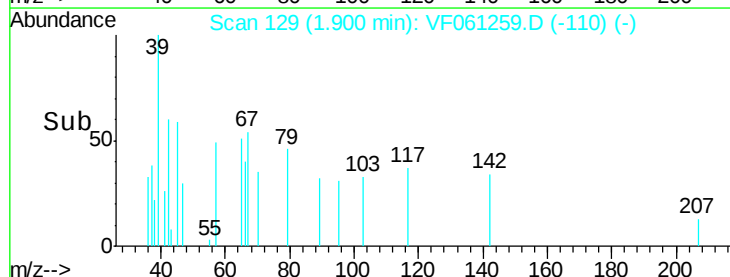
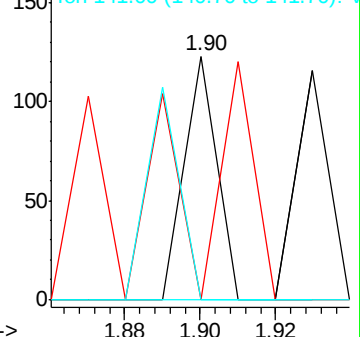
141 0.0 12.2 18.2#

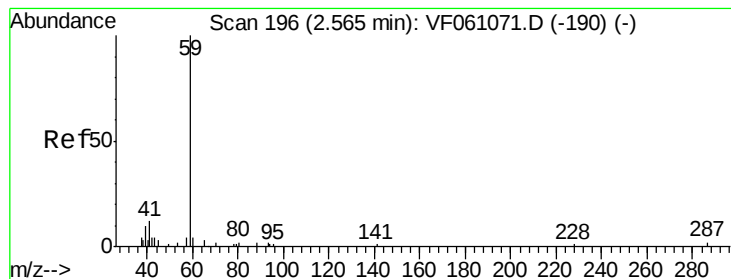


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



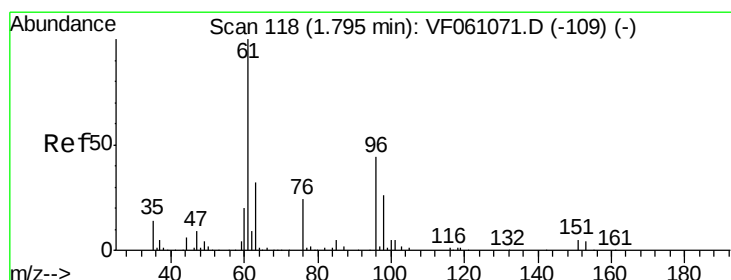
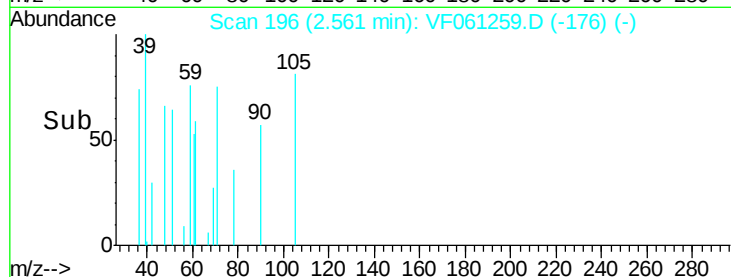
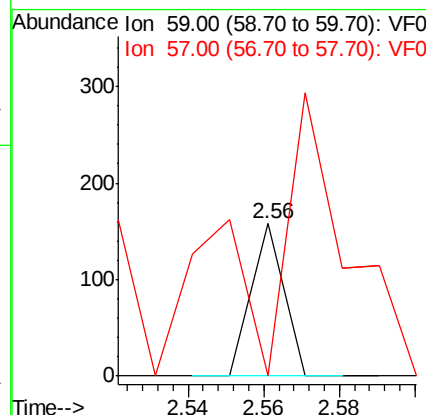
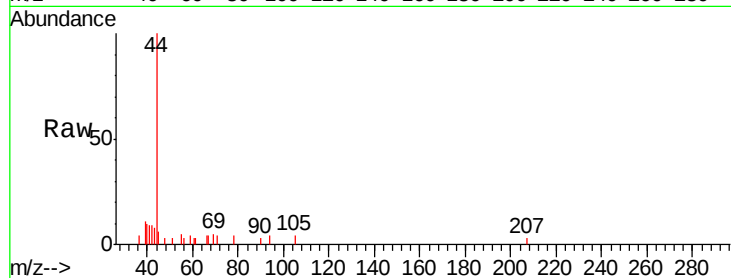


#11

Tert butyl alcohol
 Concen: 67.135 ug/l
 RT: 2.56 min Scan# 196
 Delta R.T. -0.00 min
 Lab File: VF061259.D
 Acq: 2 Jan 2019 17:32

Instrument :
 MSVOA_F
 ClientSampleId :
 A-GLICAL-PILE

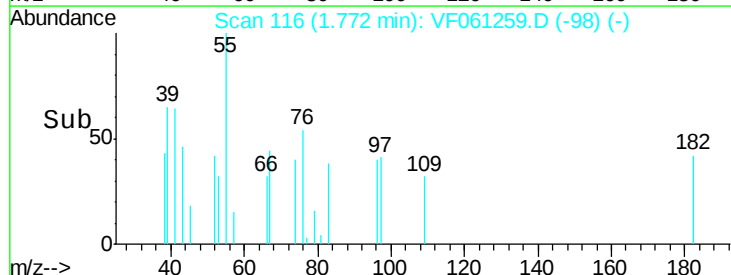
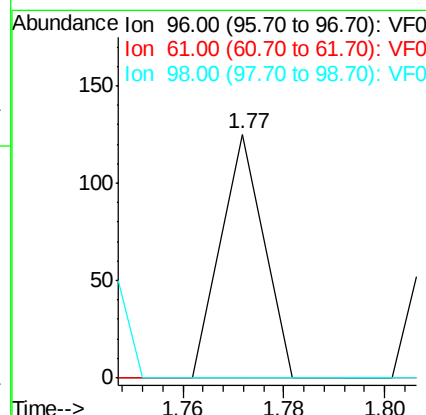
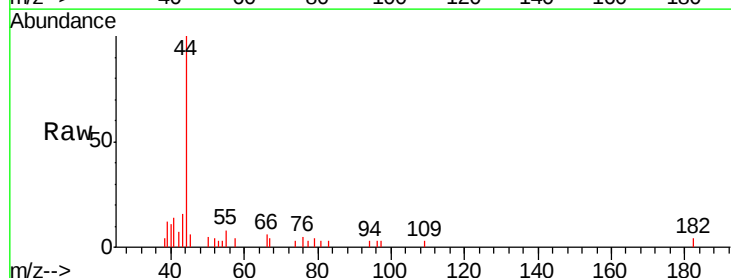
Tgt Ion: 59 Resp: 93
 Ion Ratio Lower Upper
 59 100
 57 0.0 11.5 17.3#

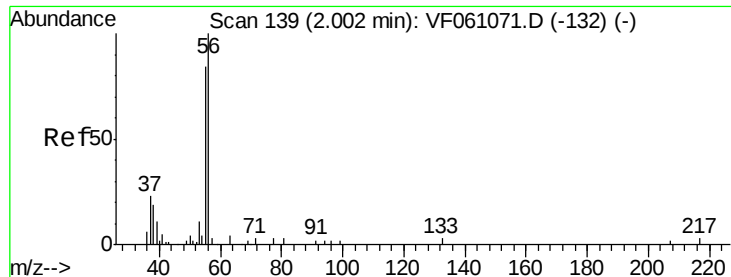


#12

1,1-Dichloroethene
 Concen: 3.145 ug/l
 RT: 1.77 min Scan# 116
 Delta R.T. -0.02 min
 Lab File: VF061259.D
 Acq: 2 Jan 2019 17:32

Tgt Ion: 96 Resp: 74
 Ion Ratio Lower Upper
 96 100
 61 0.0 182.0 273.0#
 98 0.0 46.5 69.7#





#13

Acrolein

Concen: 429.575 ug/l

RT: 2.03 min Scan# 142

Delta R.T. 0.03 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

Instrument :

MSVOA_F

ClientSampleId :

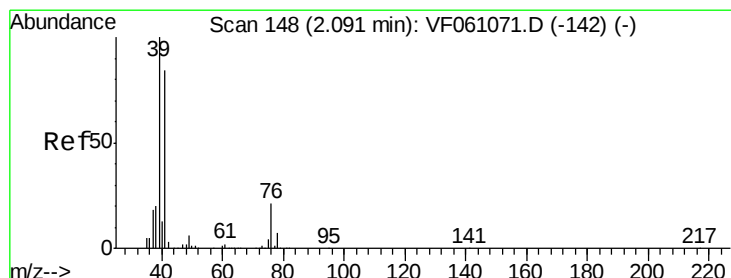
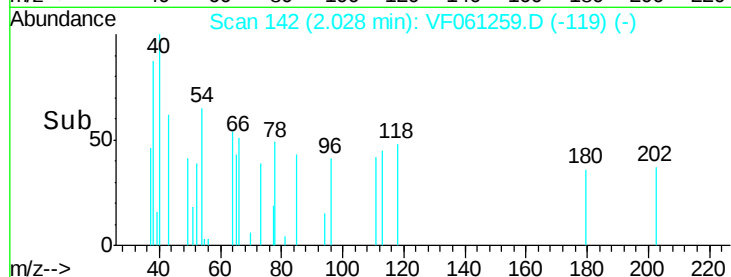
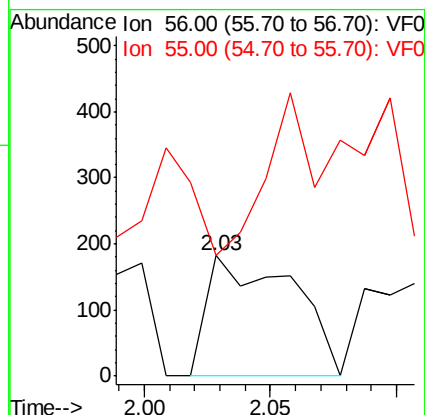
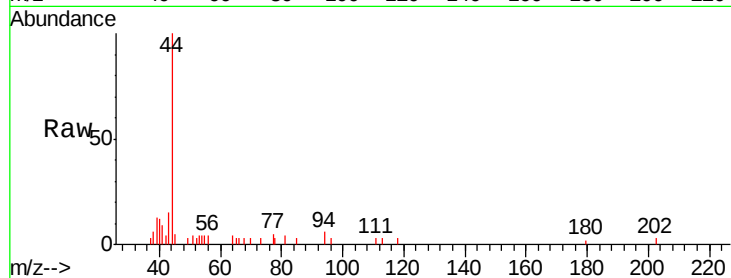
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Tgt Ion: 56 Resp: 430

Ion Ratio Lower Upper

56 100

55 100.0 70.2 105.2



#14

Allyl chloride

Concen: 15.194 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

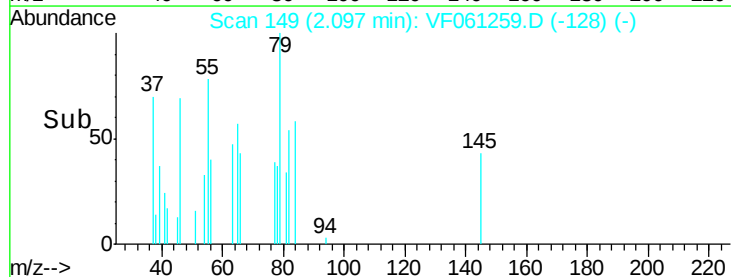
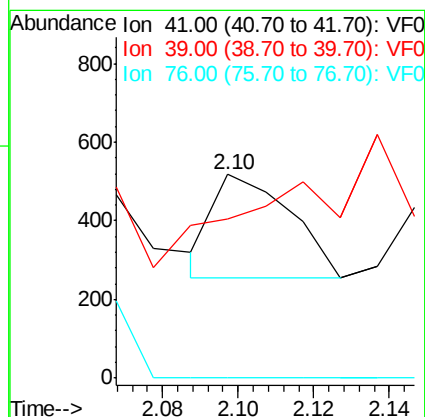
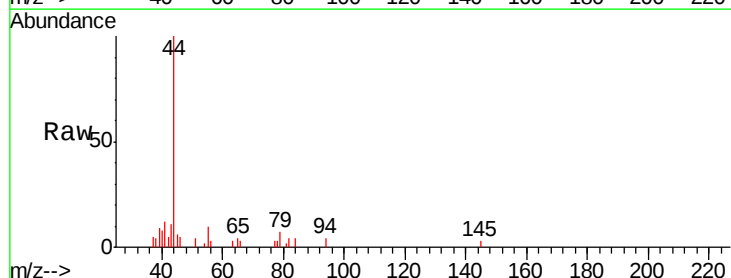
Tgt Ion: 41 Resp: 372

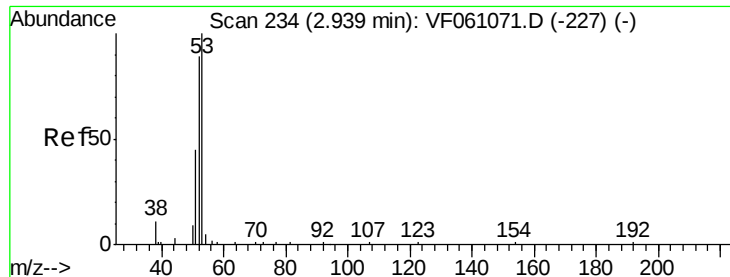
Ion Ratio Lower Upper

41 100

39 78.5 96.4 144.6#

76 0.0 25.4 38.0#





#15

Acrylonitrile

Concen: 324.978 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.01 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

Instrument :

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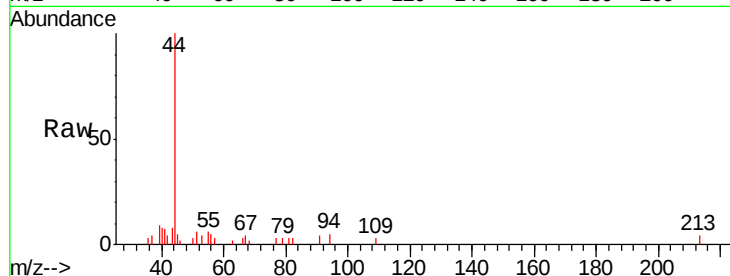
Tgt Ion: 53 Resp: 1041

Ion Ratio Lower Upper

53 100

52 0.0 71.3 106.9#

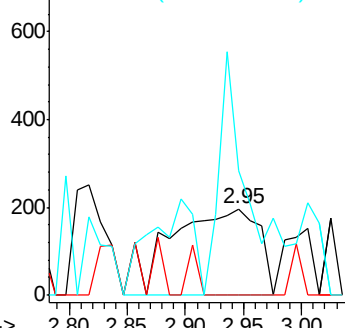
51 144.9 36.8 55.2#



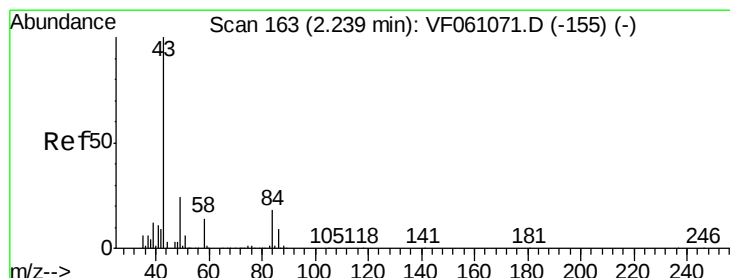
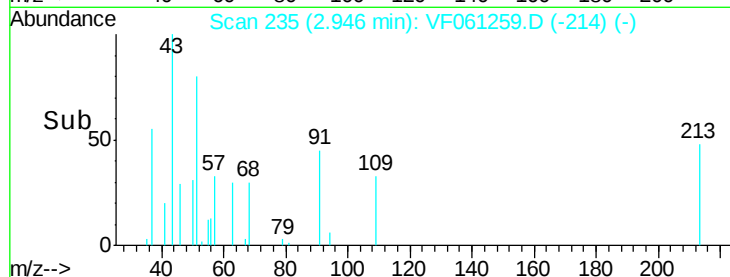
Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->



#16

Acetone

Concen: 147.759 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF061259.D

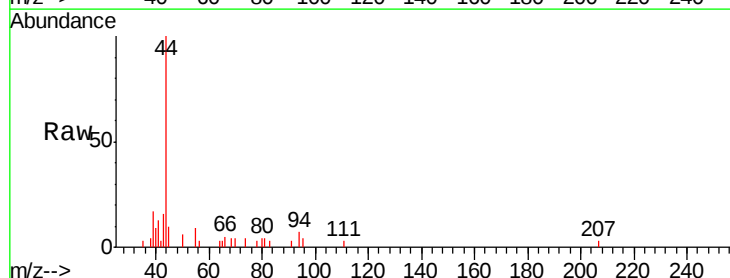
Acq: 2 Jan 2019 17:32

Tgt Ion: 43 Resp: 1014

Ion Ratio Lower Upper

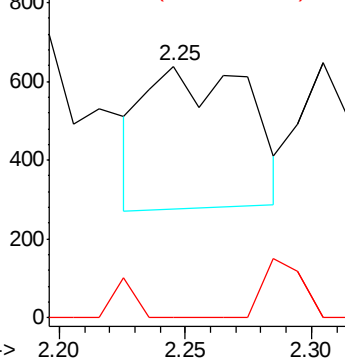
43 100

58 0.0 11.1 16.7#

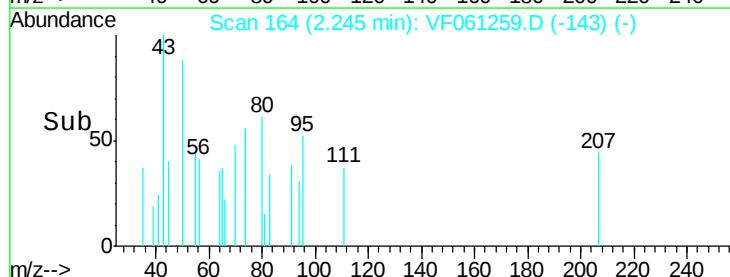


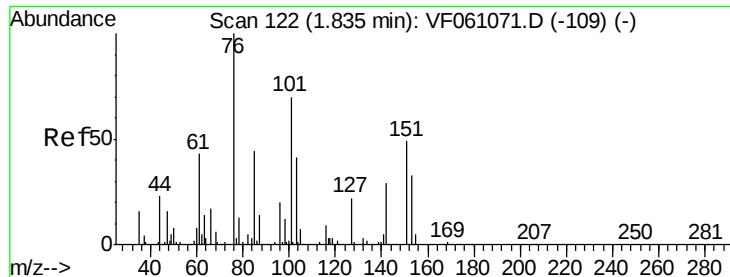
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->

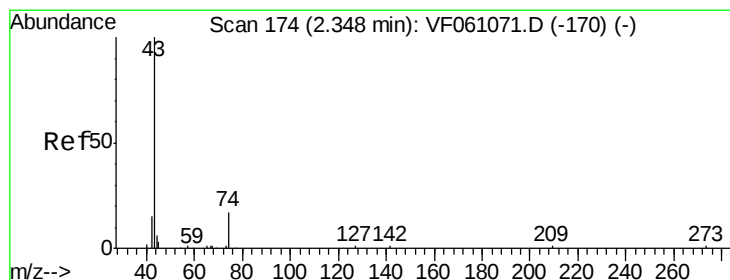
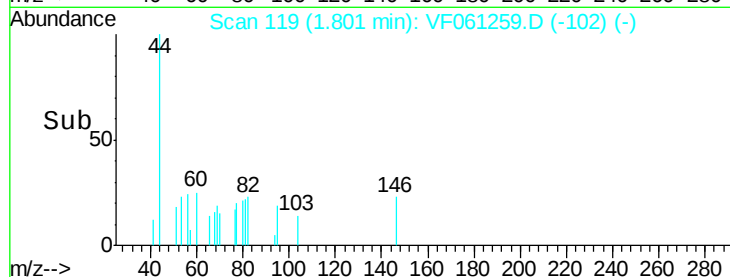
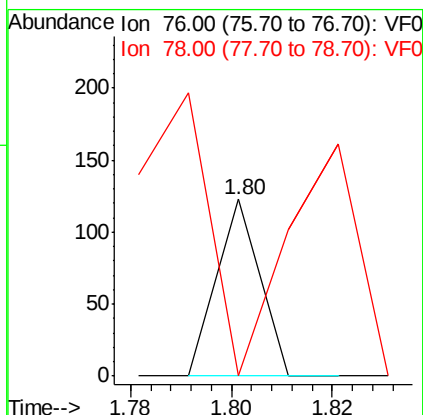
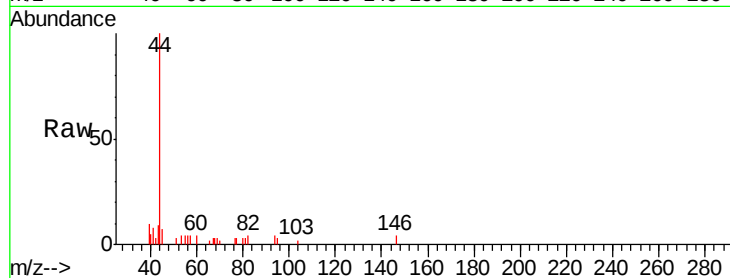




#17
Carbon Disulfide
Concen: 1.027 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.03 min
Lab File: VF061259.D
Acq: 2 Jan 2019 17:32

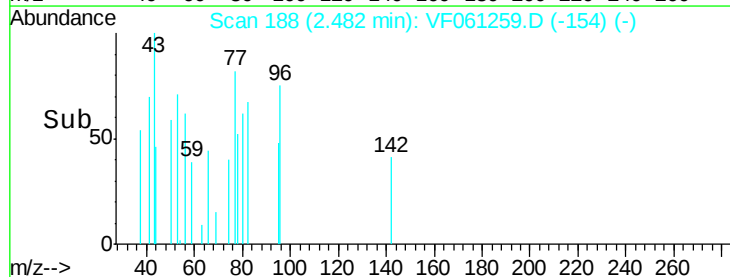
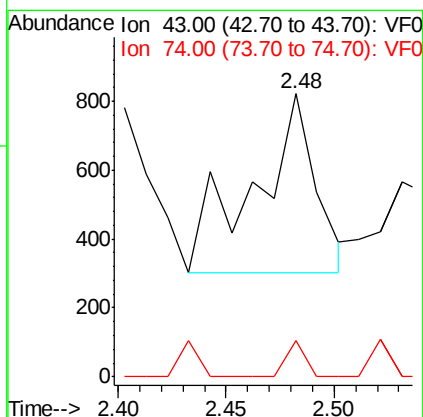
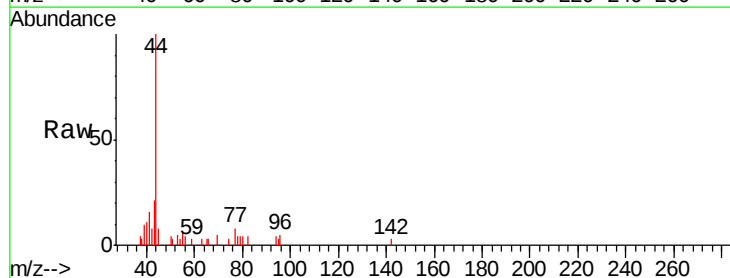
Instrument :
MSVOA_F
ClientSampleId :
A-GLICAL-PILE

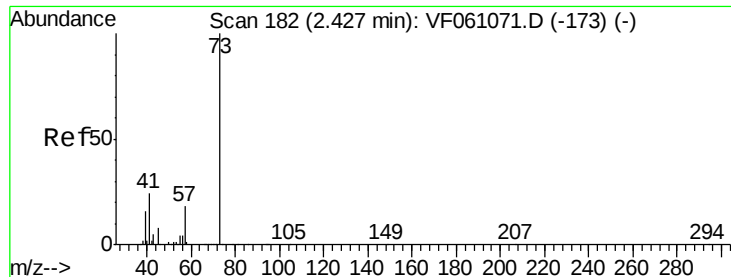
Tgt Ion: 76 Resp: 73
Ion Ratio Lower Upper
76 100
78 0.0 10.2 15.4#



#18
Methyl Acetate
Concen: 71.982 ug/l
RT: 2.48 min Scan# 188
Delta R.T. 0.13 min
Lab File: VF061259.D
Acq: 2 Jan 2019 17:32

Tgt Ion: 43 Resp: 1022
Ion Ratio Lower Upper
43 100
74 12.9 11.0 16.6

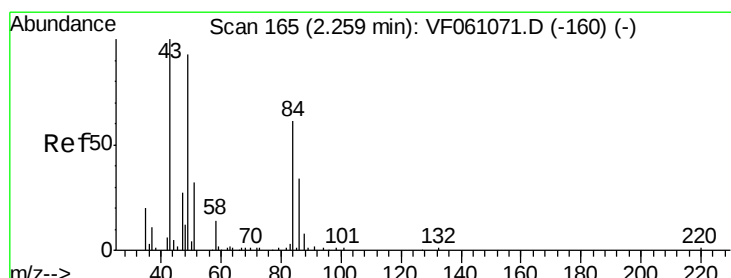
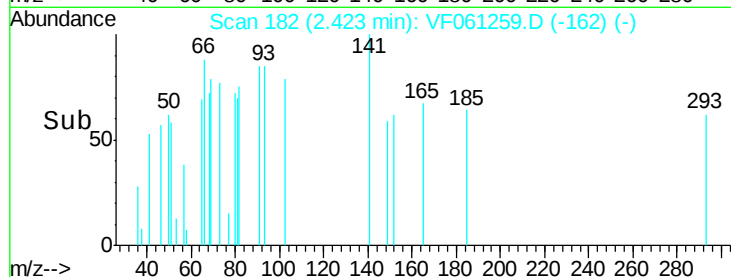
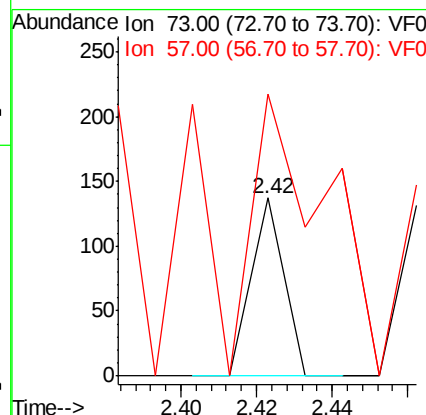
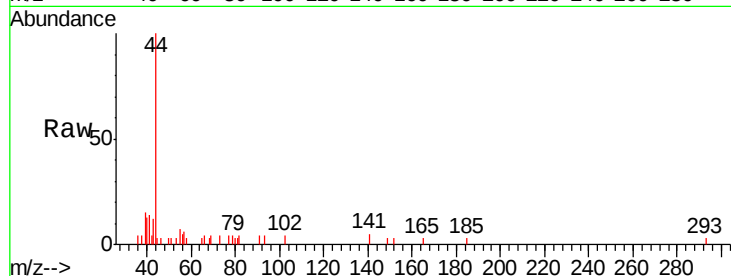




#19
Methyl tert-butyl Ether
Concen: 1.551 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.00 min
Lab File: VF061259.D
Acq: 2 Jan 2019 17:32

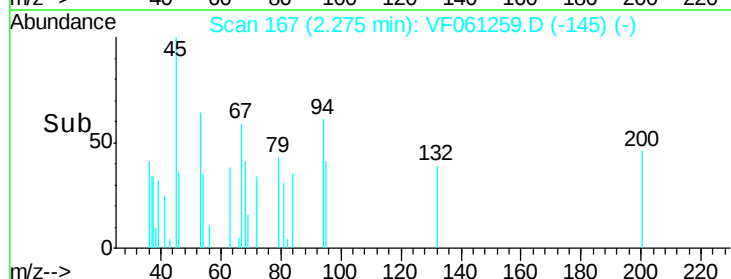
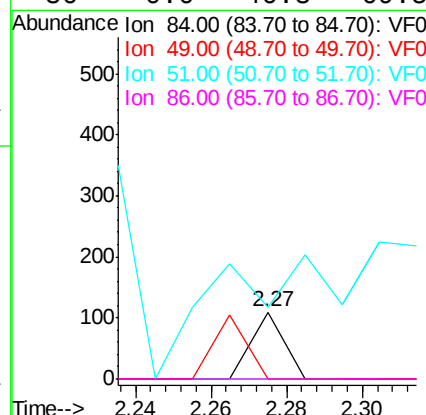
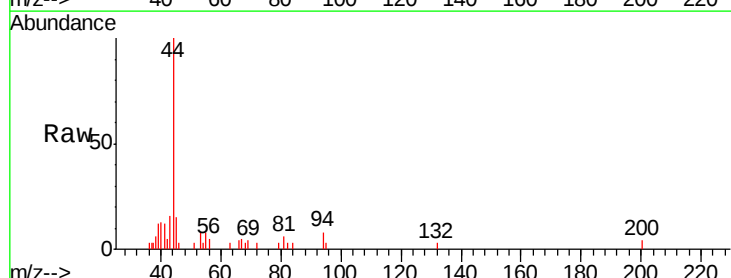
Instrument :
MSVOA_F
ClientSampleId :
A-GLICAL-PILE

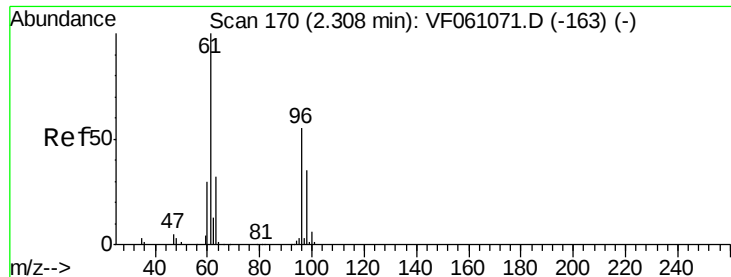
Tgt Ion: 73 Resp: 81
Ion Ratio Lower Upper
73 100
57 159.1 14.5 21.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 167
Delta R.T. 0.02 min
Lab File: VF061259.D
Acq: 2 Jan 2019 17:32

Tgt Ion: 84 Resp: 65
Ion Ratio Lower Upper
84 100
49 0.0 129.4 194.2#
51 108.3 44.0 66.0#
86 0.0 46.3 69.5#





#21

trans-1,2-Dichloroethene

Concen: 2.782 ug/l

RT: 2.28 min Scan# 168

Delta R.T. -0.02 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

Instrument :

MSVOA_F

ClientSampleId :

A-GLICAL-PILE

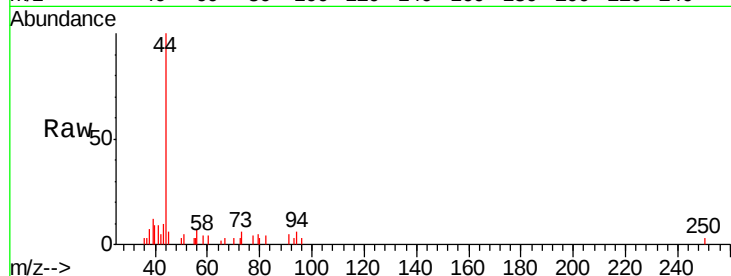
Tgt Ion: 96 Resp: 70

Ion Ratio Lower Upper

96 100

61 0.0 146.0 219.0#

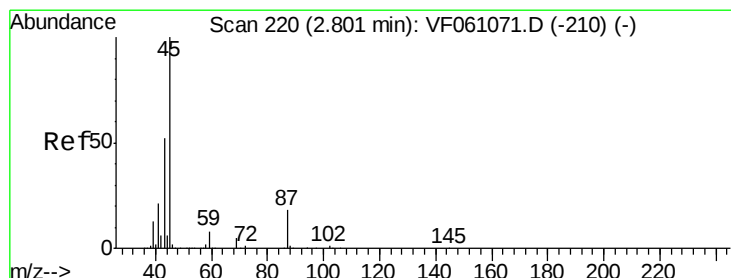
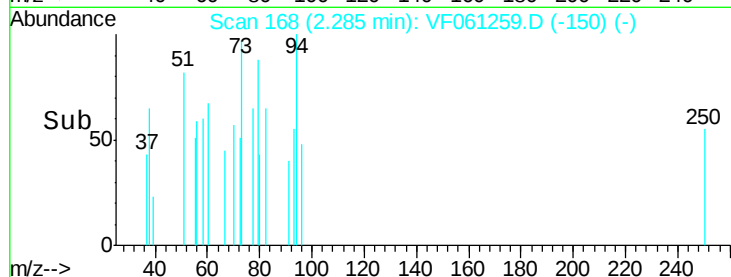
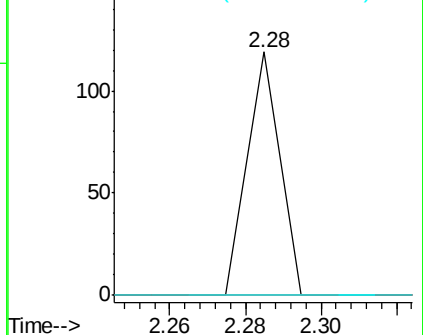
98 0.0 51.6 77.4#



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: 3.752 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

Tgt Ion: 45 Resp: 306

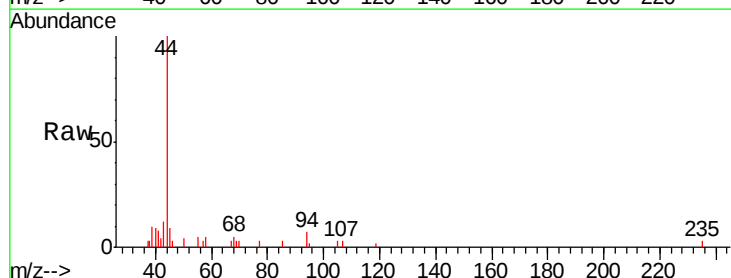
Ion Ratio Lower Upper

45 100

43 130.0 42.2 63.2#

87 0.0 14.6 22.0#

59 0.0 7.0 10.4#

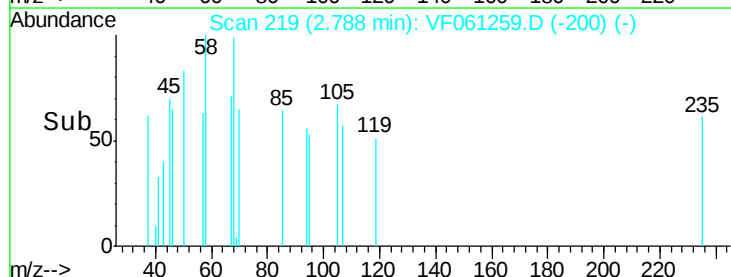
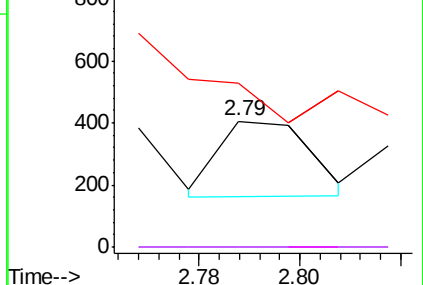


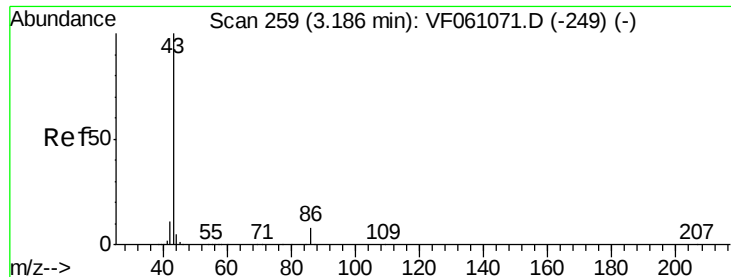
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 8.160 ug/l

RT: 3.16 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

Instrument :

MSVOA_F

ClientSampleId :

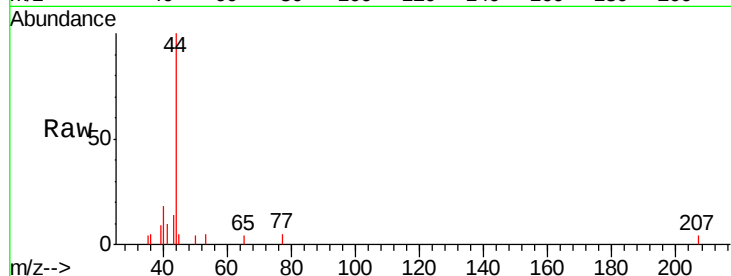
A-GLICAL-PILE

Tgt Ion: 43 Resp: 307

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

3.16

400

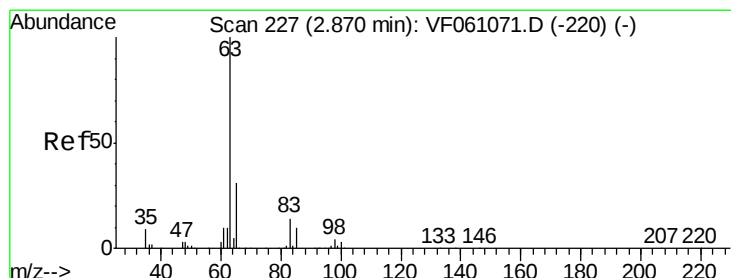
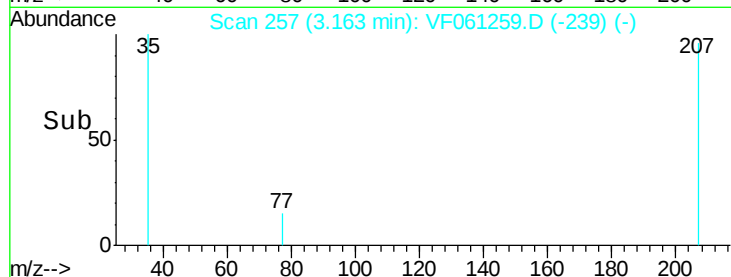
300

200

100

0

Time--> 3.14 3.16 3.18



#24

1,1-Dichloroethane

Concen: 2.835 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.07 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

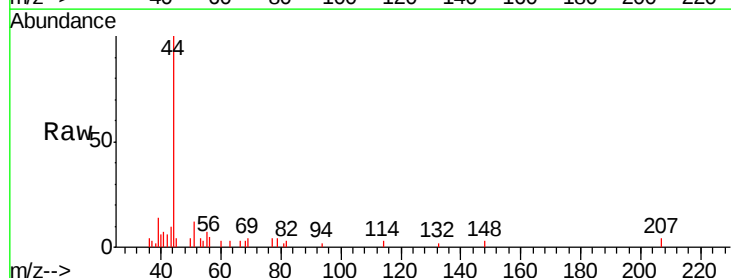
Tgt Ion: 63 Resp: 137

Ion Ratio Lower Upper

63 100

98 0.0 2.1 6.5#

100 0.0 1.7 5.1#



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

250

200

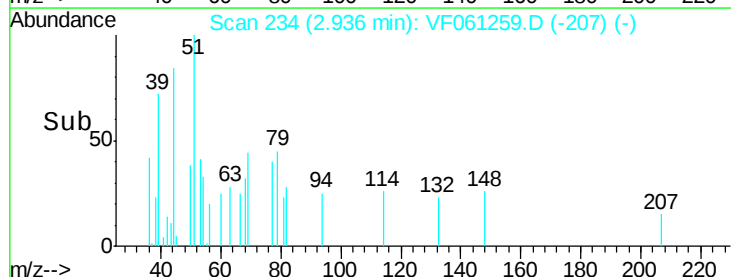
150

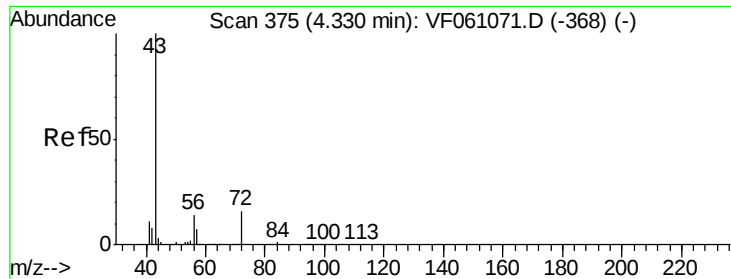
100

50

0

Time--> 2.90 2.92 2.94 2.96





#25

2-Butanone

Concen: 35.221 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.00 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

Instrument :

MSVOA_F

ClientSampleId :

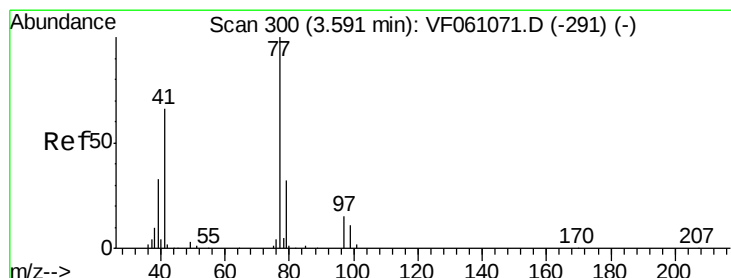
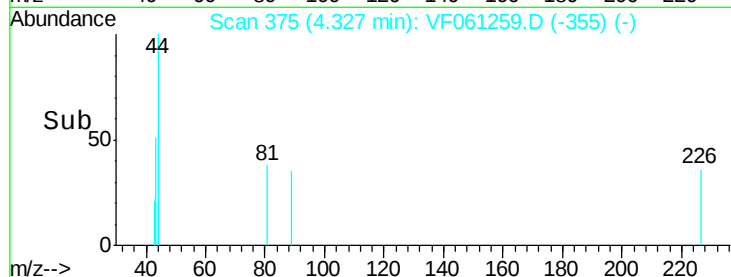
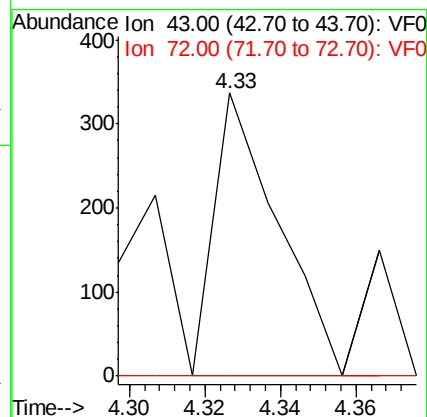
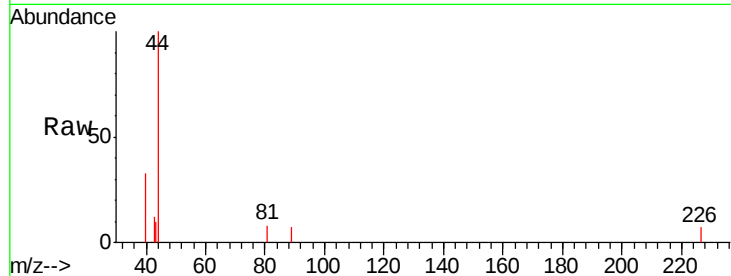
A-GLICAL-PILE

Tgt Ion: 43 Resp: 392

Ion Ratio Lower Upper

43 100

72 0.0 15.6 23.4#



#26

2,2-Dichloropropane

Concen: 2.813 ug/l

RT: 3.65 min Scan# 306

Delta R.T. 0.06 min

Lab File: VF061259.D

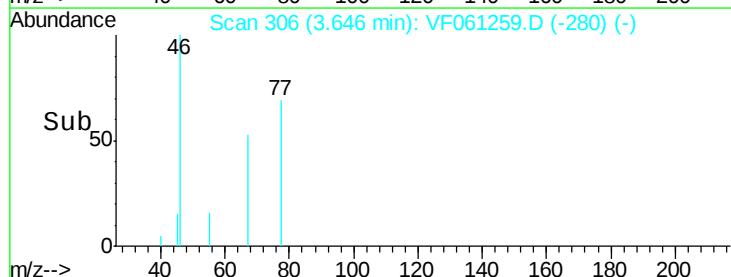
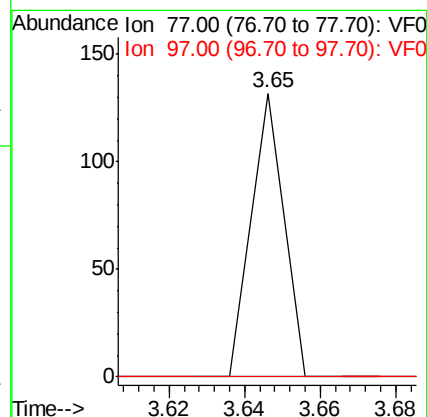
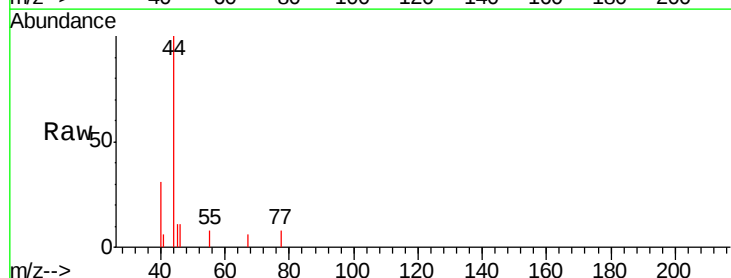
Acq: 2 Jan 2019 17:32

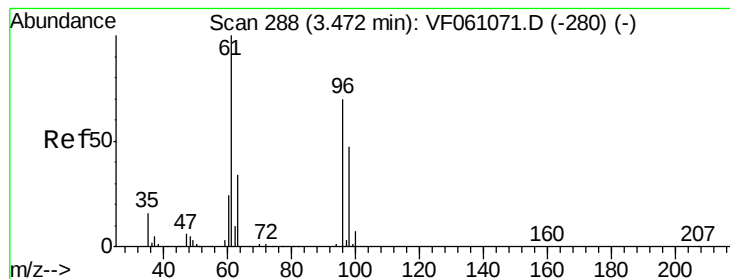
Tgt Ion: 77 Resp: 78

Ion Ratio Lower Upper

77 100

97 0.0 8.2 24.4#



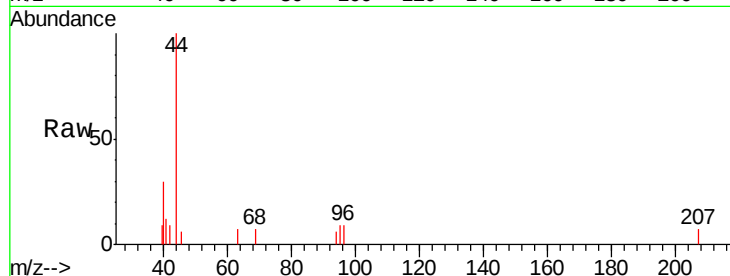


#27

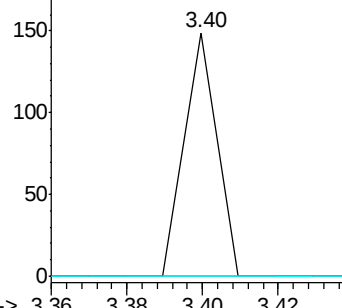
cis-1,2-Dichloroethene
 Concen: 2.284 ug/l
 RT: 3.40 min Scan# 281
 Delta R.T. -0.07 min
 Lab File: VF061259.D
 Acq: 2 Jan 2019 17:32

Instrument :
 MSVOA_F
 ClientSampleId :
 A-GLICAL-PILE

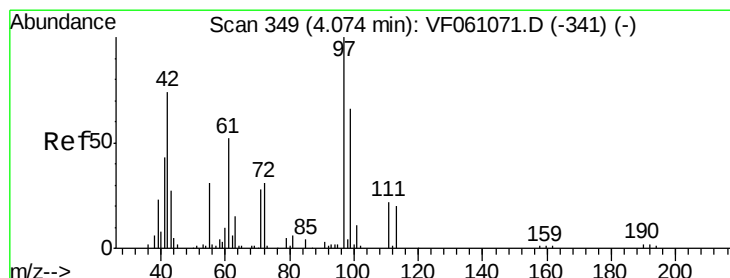
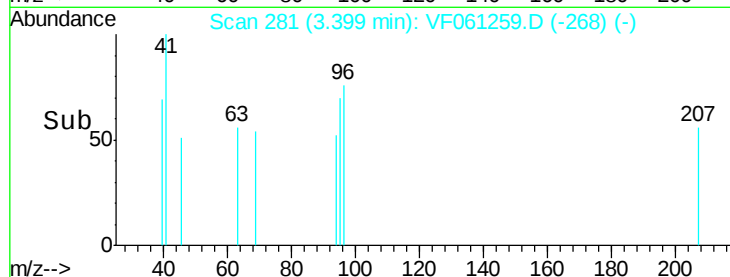
Tgt Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	287.8
98	0.0	0.0	134.2



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



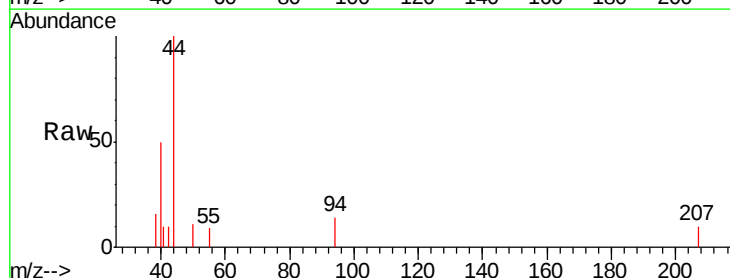
Time--> 3.36 3.38 3.40 3.42



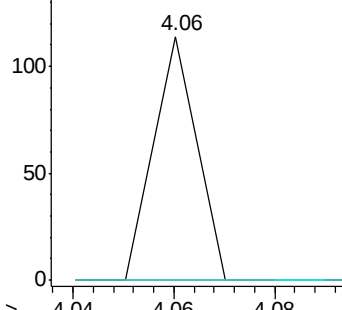
#29

Tetrahydrofuran
 Concen: 14.791 ug/l
 RT: 4.06 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VF061259.D
 Acq: 2 Jan 2019 17:32

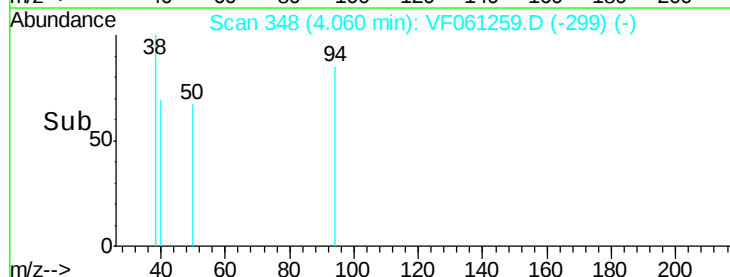
Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.8	47.8#
71	0.0	29.7	44.5#

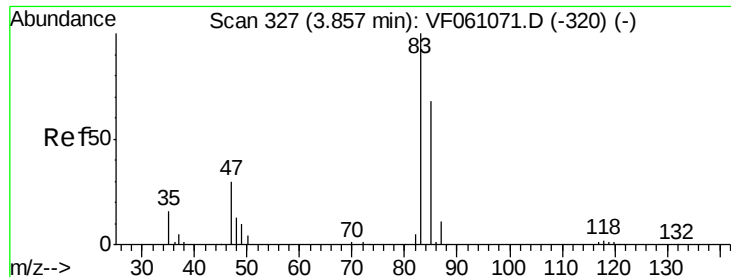


Abundance Ion 42.00 (41.70 to 42.70): VF0
 Ion 72.00 (71.70 to 72.70): VF0
 Ion 71.00 (70.70 to 71.70): VF0



Time--> 4.04 4.06 4.08

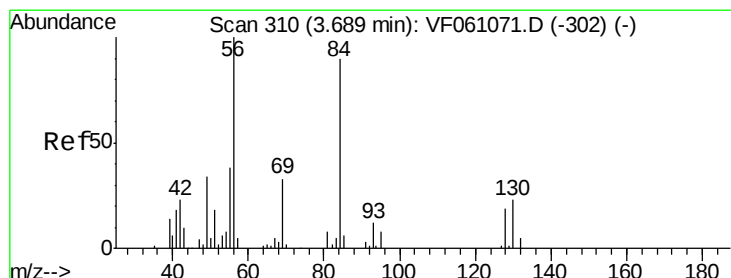
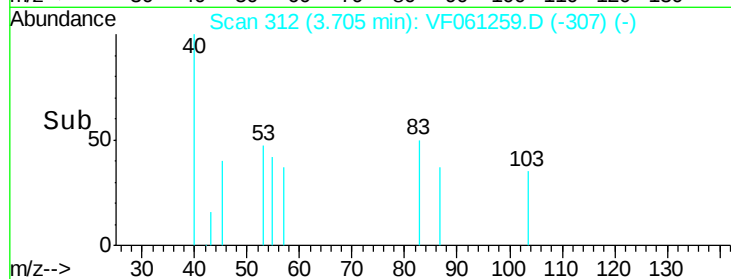
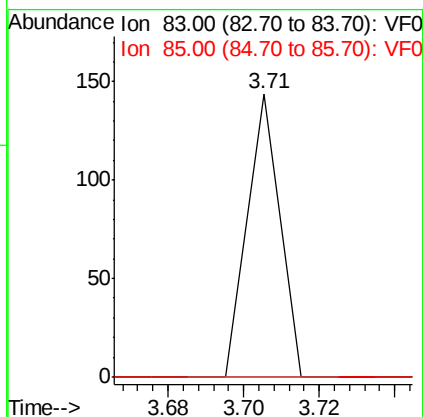
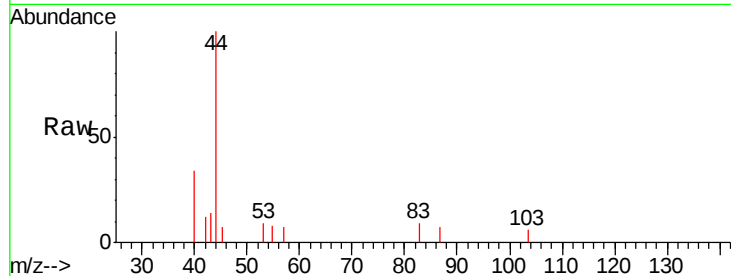




#30
Chloroform
Concen: 1.173 ug/l
RT: 3.71 min Scan# 312
Delta R.T. -0.15 min
Lab File: VF061259.D
Acq: 2 Jan 2019 17:32

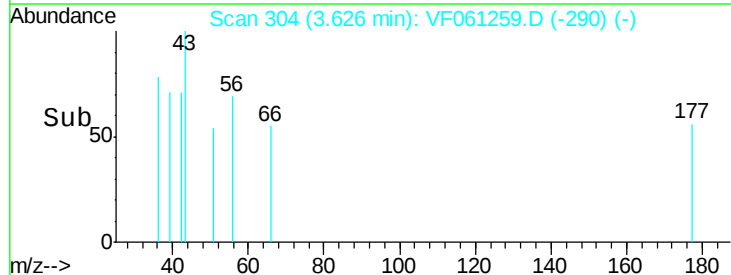
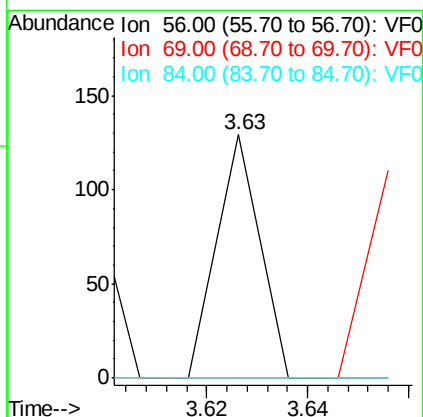
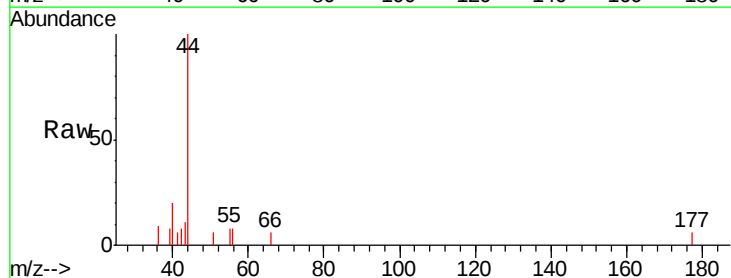
Instrument :
MSVOA_F
ClientSampleId :
A-GLICAL-PILE

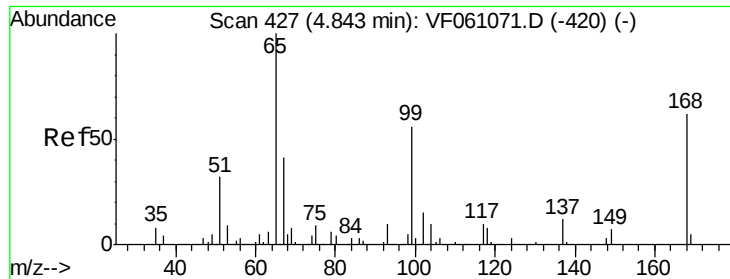
Tgt Ion: 83 Resp: 85
Ion Ratio Lower Upper
83 100
85 0.0 54.5 81.7#



#31
Cyclohexane
Concen: 1.516 ug/l
RT: 3.63 min Scan# 304
Delta R.T. -0.06 min
Lab File: VF061259.D
Acq: 2 Jan 2019 17:32

Tgt Ion: 56 Resp: 76
Ion Ratio Lower Upper
56 100
69 0.0 26.0 39.0#
84 0.0 71.4 107.2#





#33

1,2-Dichloroethane-d4

Concen: 14.099 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.00 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

Instrument :

MSVOA_F

ClientSampleId :

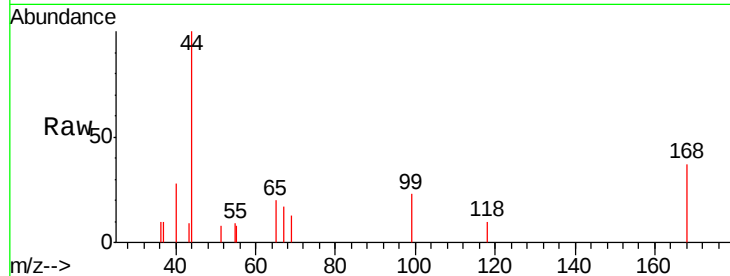
A-GLICAL-PILE

Tgt Ion: 65 Resp: 484

Ion Ratio Lower Upper

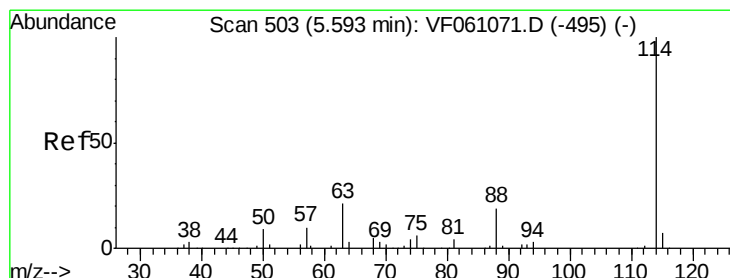
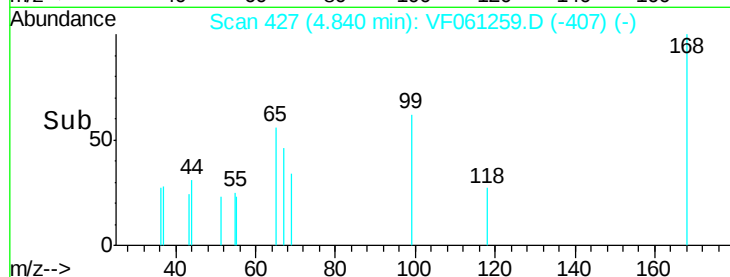
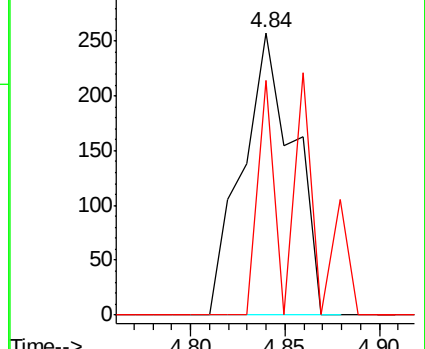
65 100

67 82.9 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: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

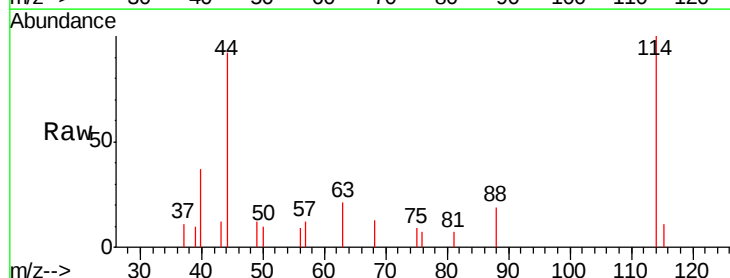
Tgt Ion: 114 Resp: 3788

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.6

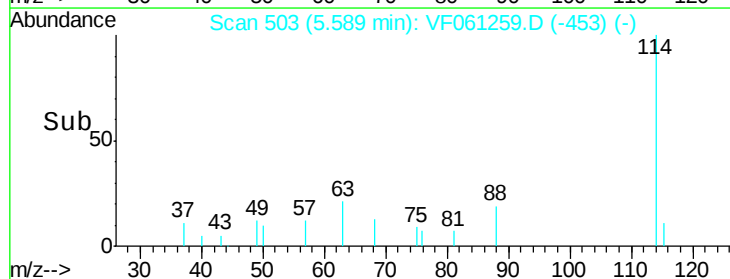
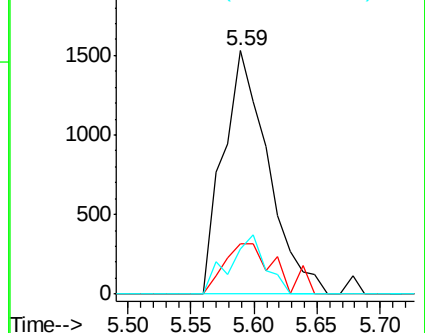
88 18.6 0.0 38.0

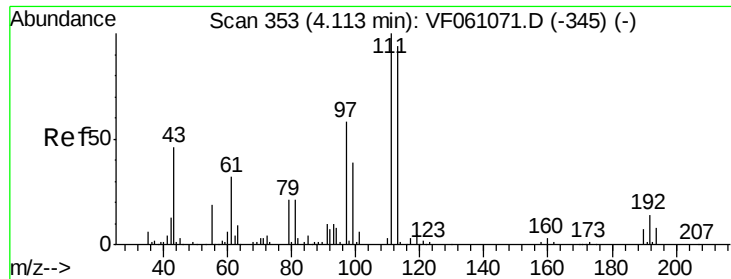


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 29.858 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

Instrument :

MSVOA_F

ClientSampleId :

A-GLICAL-PILE

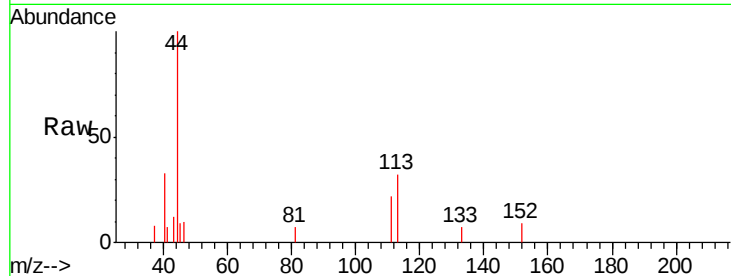
Tgt Ion: 113 Resp: 906

Ion Ratio Lower Upper

113 100

111 67.0 85.2 127.8#

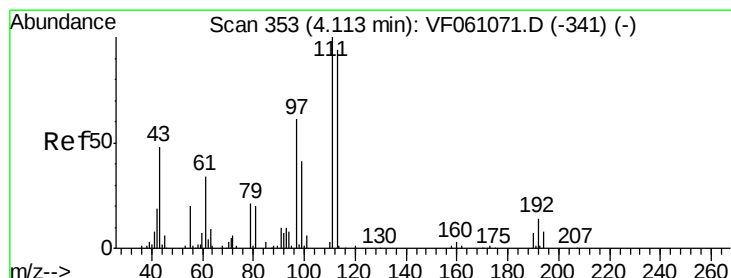
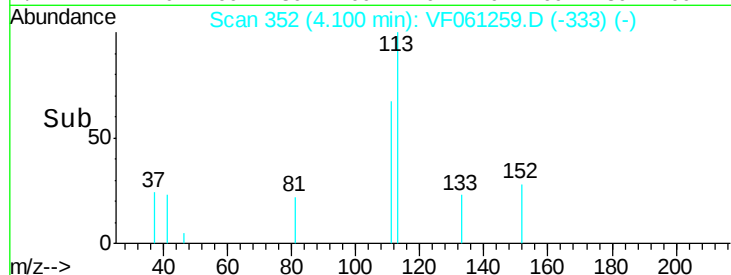
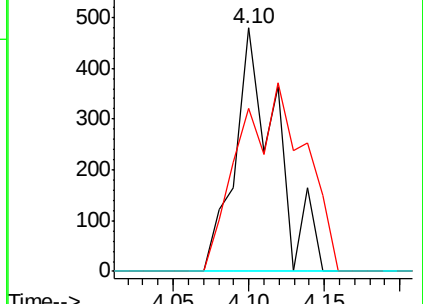
192 0.0 12.8 19.2#



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: 28.165 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

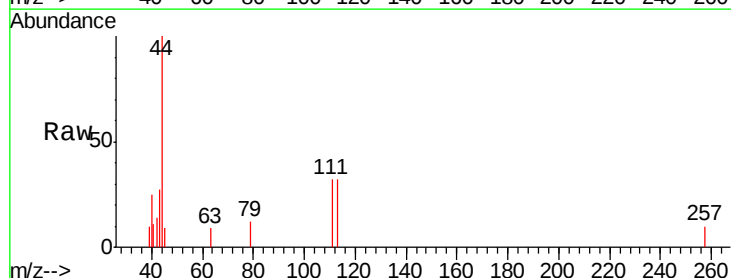
Tgt Ion: 43 Resp: 540

Ion Ratio Lower Upper

43 100

61 0.0 56.6 84.8#

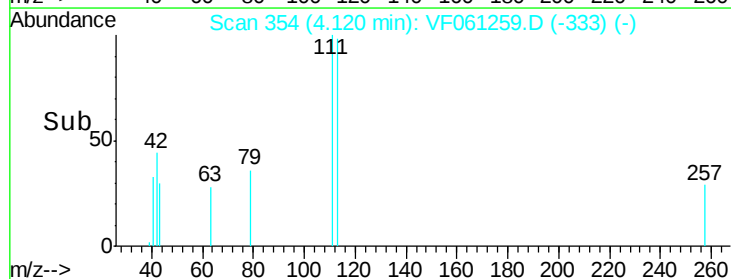
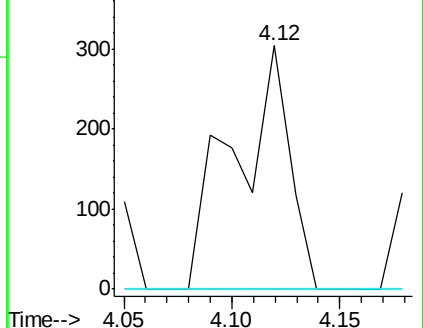
70 0.0 6.3 9.5#

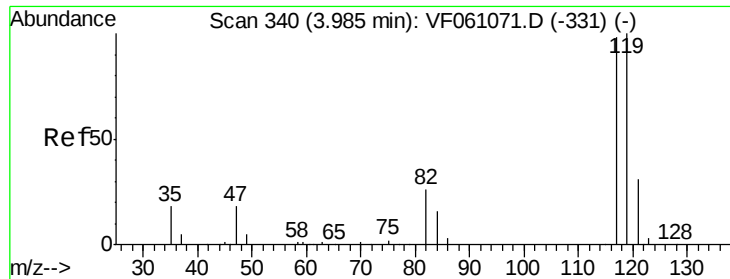


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#38

Carbon Tetrachloride

Concen: 2.700 ug/l

RT: 3.83 min Scan# 325

Delta R.T. -0.15 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

Instrument :

MSVOA_F

ClientSampleId :

A-GLICAL-PILE

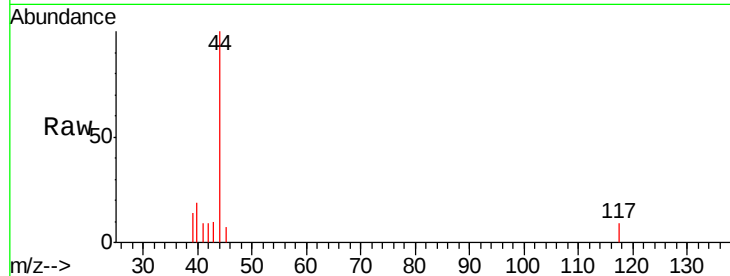
Tgt Ion: 117 Resp: 94

Ion Ratio Lower Upper

117 100

119 0.0 82.1 123.1#

121 0.0 25.5 38.3#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

3.83

150

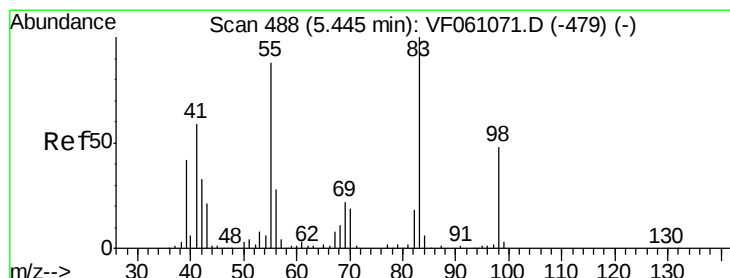
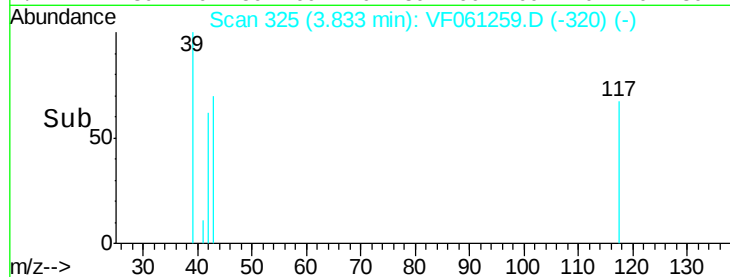
100

50

0

3.80 3.82 3.84 3.86

Time-->



#39

Methylcyclohexane

Concen: 4.096 ug/l

RT: 5.41 min Scan# 485

Delta R.T. -0.03 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

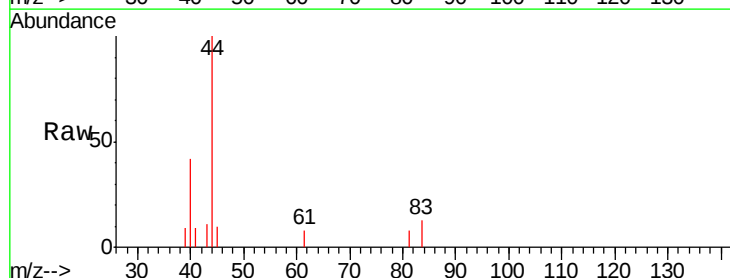
Tgt Ion: 83 Resp: 168

Ion Ratio Lower Upper

83 100

55 0.0 70.6 105.8#

98 0.0 38.5 57.7#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

5.41

150

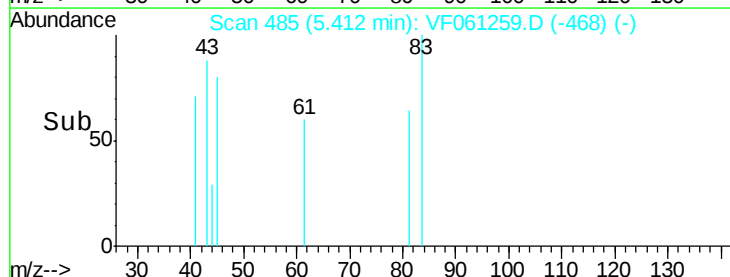
100

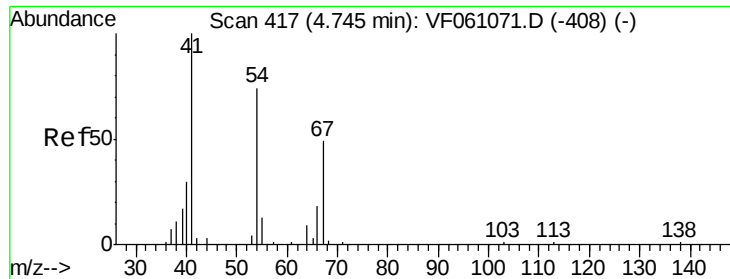
50

0

5.40 5.45

Time-->





#41

Methacrylonitrile

Concen: 38.109 ug/l

RT: 4.74 min Scan# 417

Delta R.T. -0.00 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

Instrument :

MSVOA_F

ClientSampleId :

A-GLICAL-PILE

Tgt Ion: 41 Resp: 368

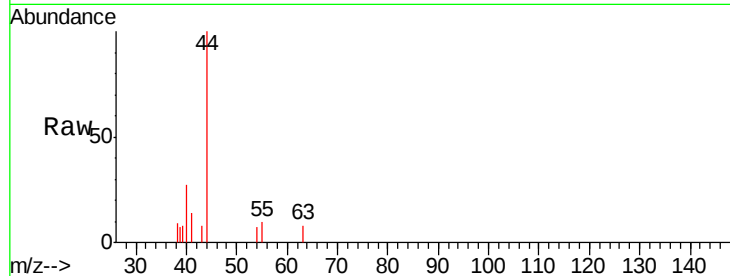
Ion Ratio Lower Upper

41 100

39 111.9 45.7 68.5#

67 0.0 38.9 58.3#

52 0.0 35.2 52.8#

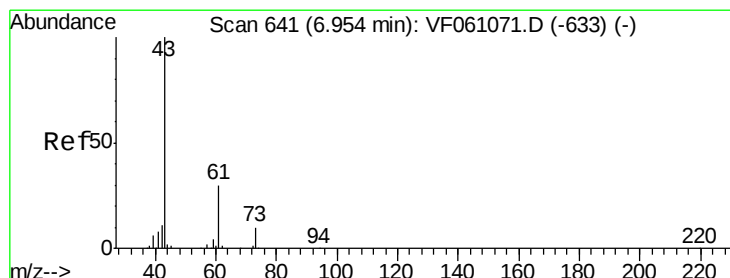
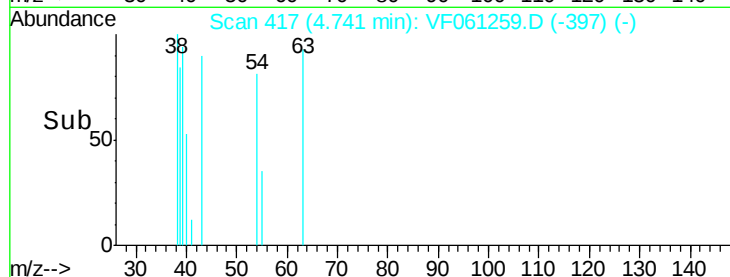
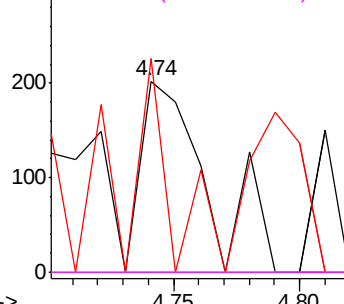


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 2.763 ug/l

RT: 6.97 min Scan# 643

Delta R.T. 0.02 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

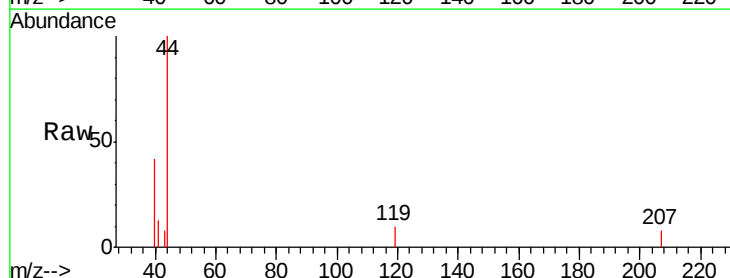
Tgt Ion: 43 Resp: 61

Ion Ratio Lower Upper

43 100

61 0.0 23.8 35.8#

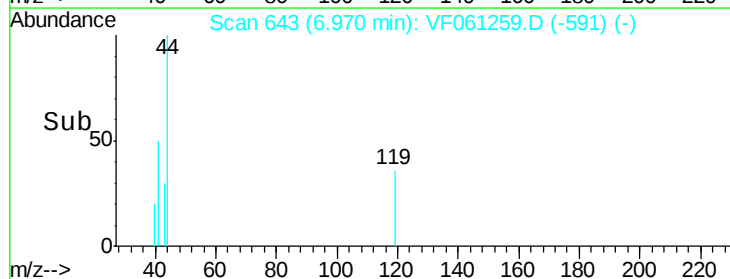
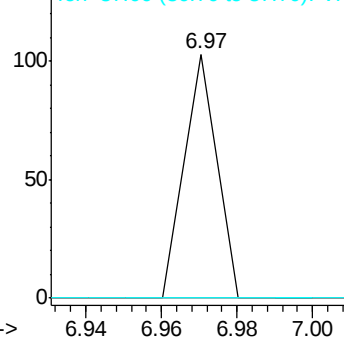
87 0.0 0.0 0.0

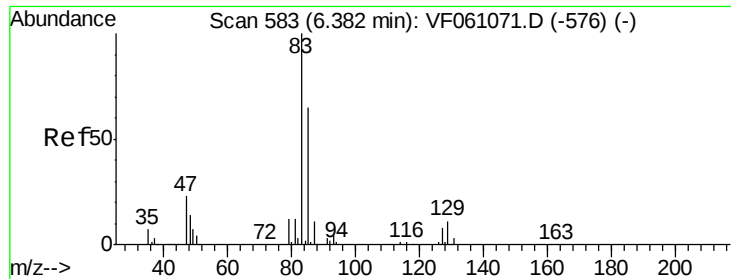


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#47

Bromodichloromethane

Concen: 1.775 ug/l

RT: 6.44 min Scan# 589

Delta R.T. 0.06 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

Instrument :

MSVOA_F

ClientSampleId :

A-GLICAL-PILE

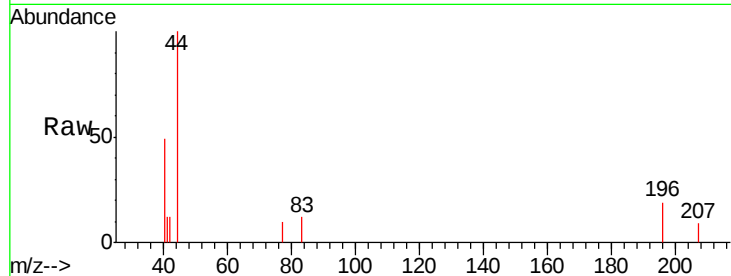
Tgt Ion: 83 Resp: 80

Ion Ratio Lower Upper

83 100

85 0.0 52.2 78.4#

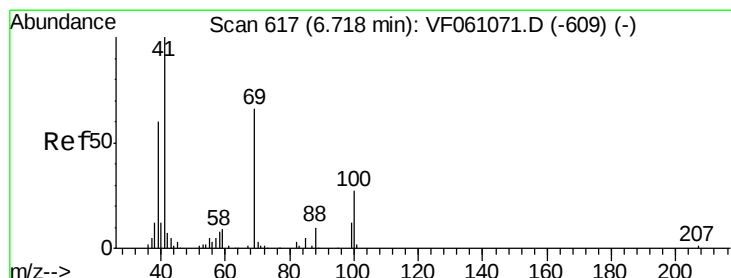
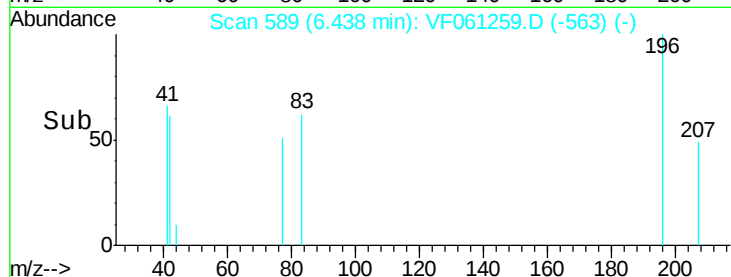
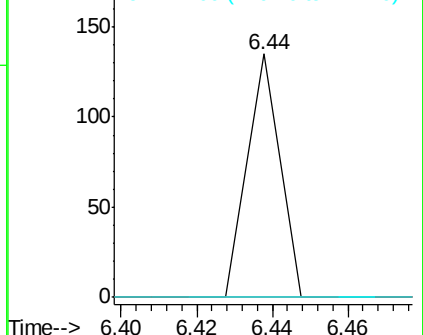
127 0.0 6.1 9.1#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 17.453 ug/l

RT: 6.74 min Scan# 620

Delta R.T. 0.03 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

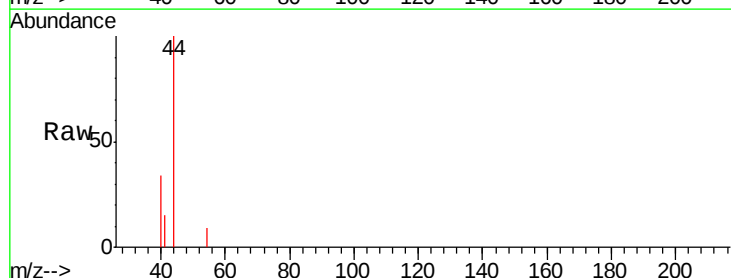
Tgt Ion: 41 Resp: 269

Ion Ratio Lower Upper

41 100

69 0.0 52.7 79.1#

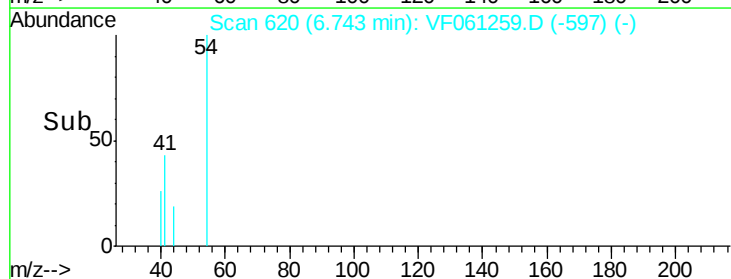
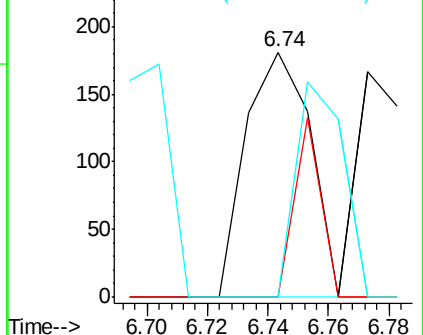
39 0.0 47.8 71.6#

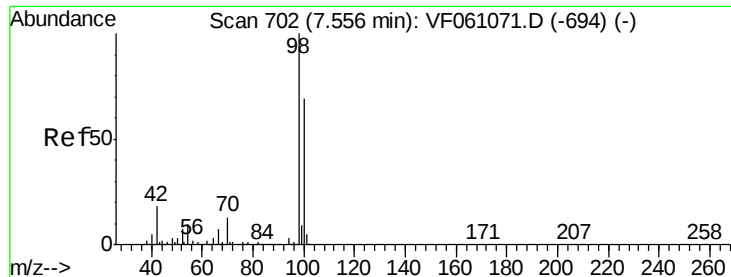


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#50

Toluene-d8

Concen: 38.004 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

Instrument :

MSVOA_F

ClientSampleId :

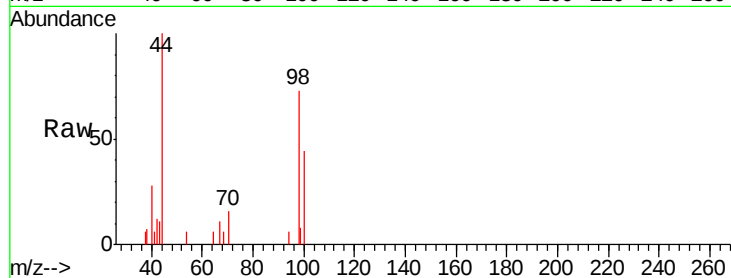
A-GLICAL-PILE

Tgt Ion: 98 Resp: 3268

Ion Ratio Lower Upper

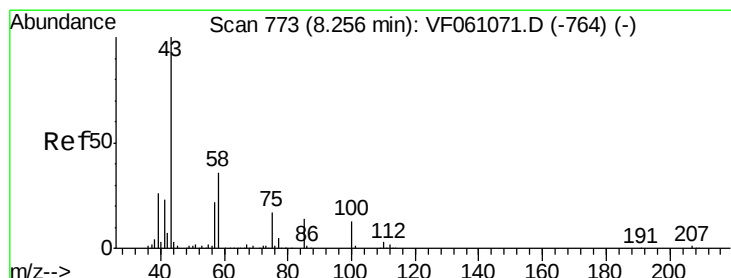
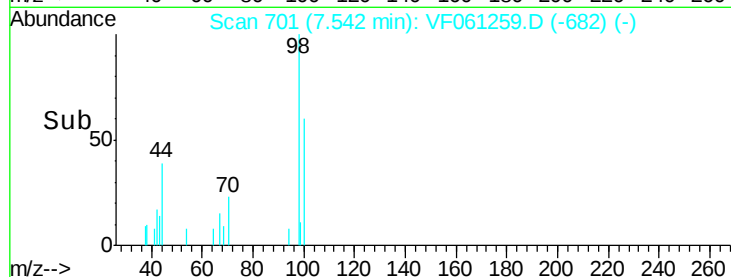
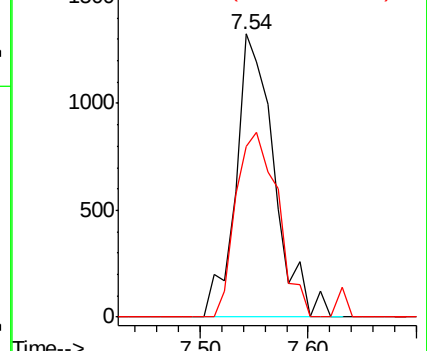
98 100

100 60.3 55.3 82.9



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: 41.872 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.02 min

Lab File: VF061259.D

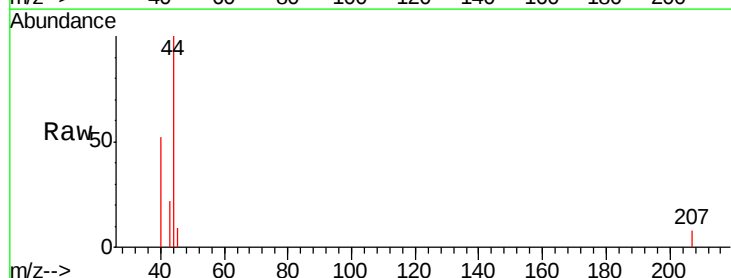
Acq: 2 Jan 2019 17:32

Tgt Ion: 43 Resp: 634

Ion Ratio Lower Upper

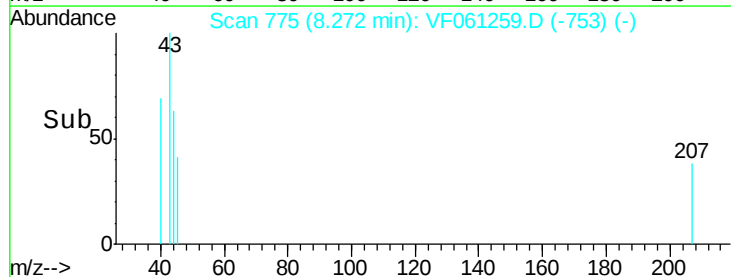
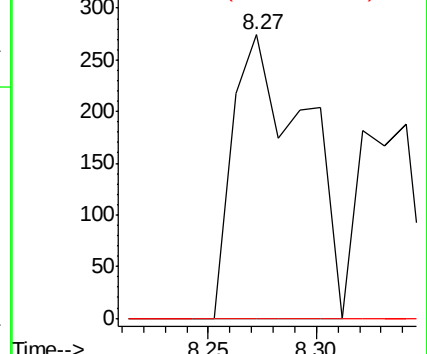
43 100

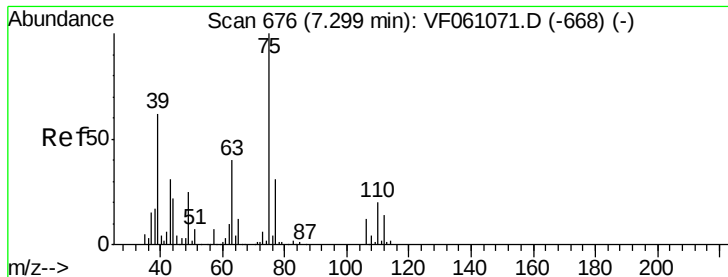
58 0.0 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#54

cis-1,3-Dichloropropene

Concen: 1.358 ug/l

RT: 7.41 min Scan# 688

Delta R.T. 0.11 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

Instrument :

MSVOA_F

ClientSampleId :

A-GLICAL-PILE

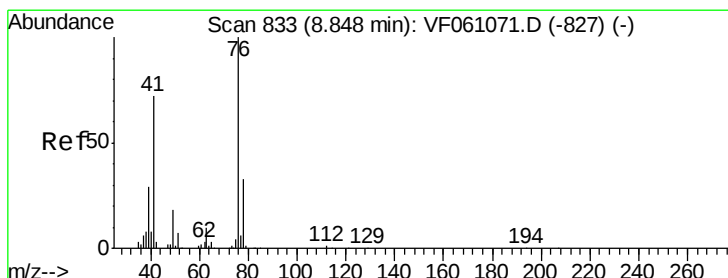
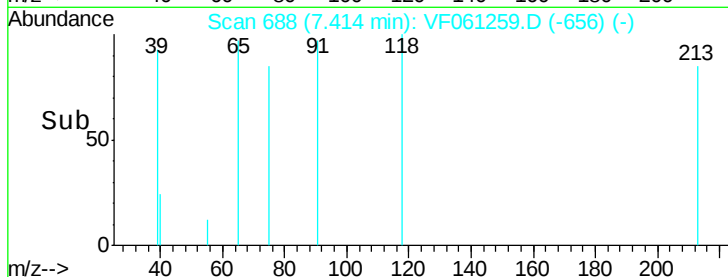
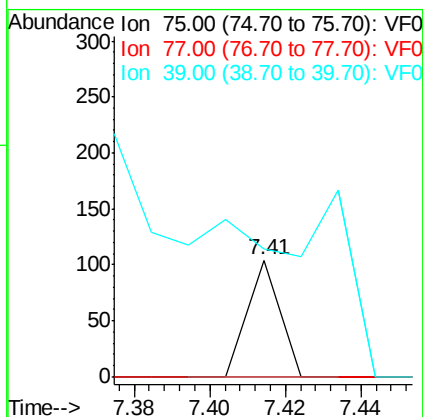
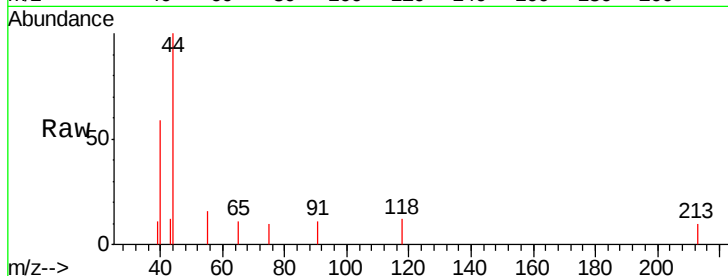
Tgt Ion: 75 Resp: 62

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#

39 109.6 50.1 75.1#



#57

1,3-Dichloropropane

Concen: 2.182 ug/l

RT: 8.79 min Scan# 827

Delta R.T. -0.06 min

Lab File: VF061259.D

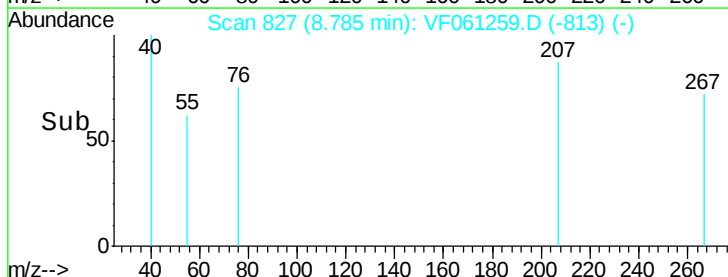
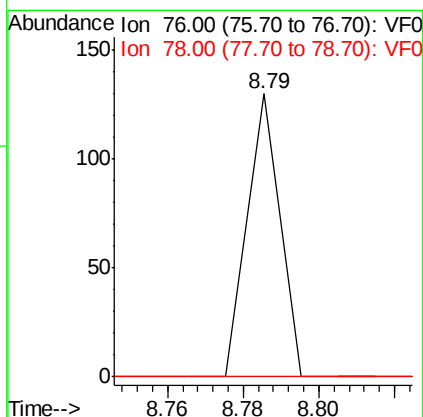
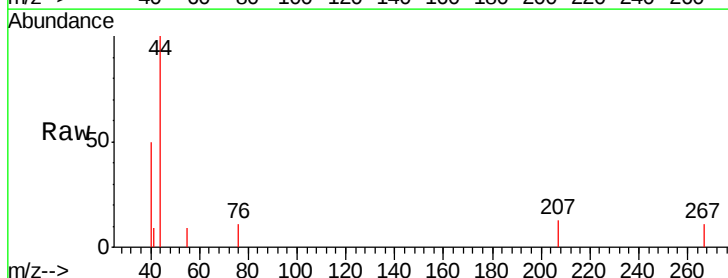
Acq: 2 Jan 2019 17:32

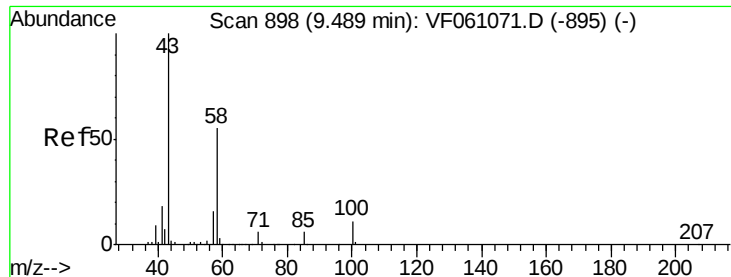
Tgt Ion: 76 Resp: 77

Ion Ratio Lower Upper

76 100

78 0.0 26.5 39.7#

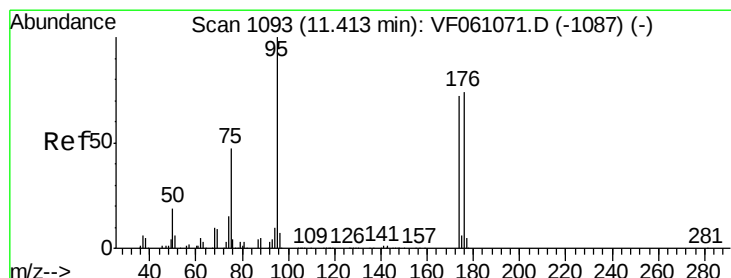
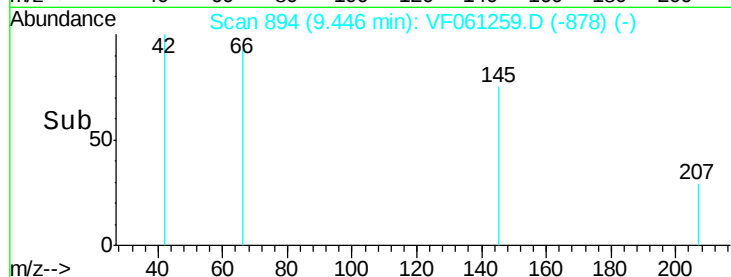
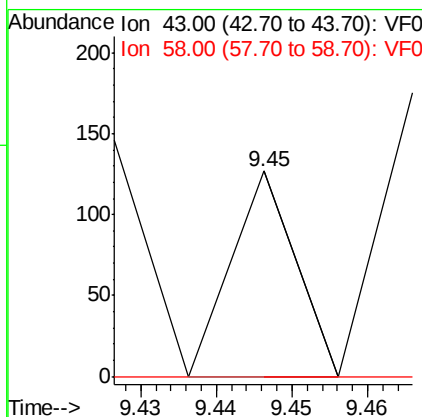
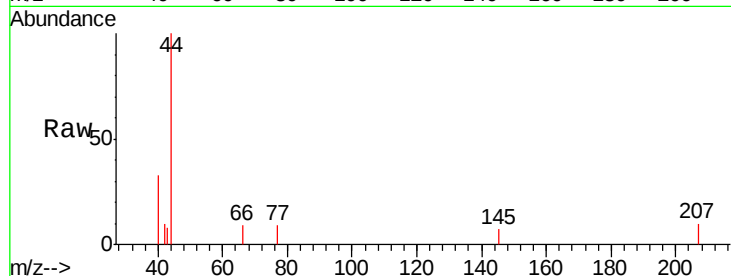




#59
2-Hexanone
Concen: 6.849 ug/l
RT: 9.45 min Scan# 894
Delta R.T. -0.04 min
Lab File: VF061259.D
Acq: 2 Jan 2019 17:32

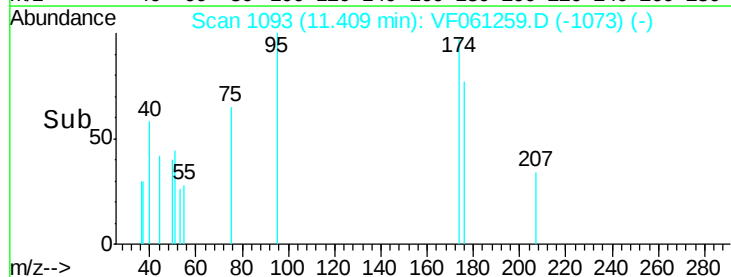
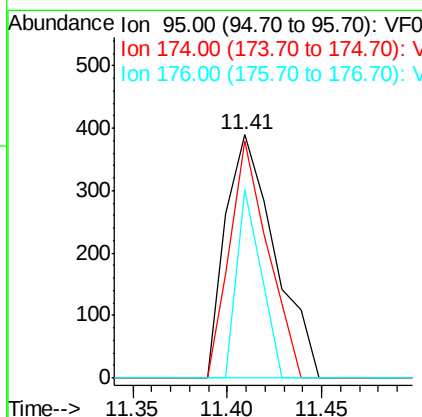
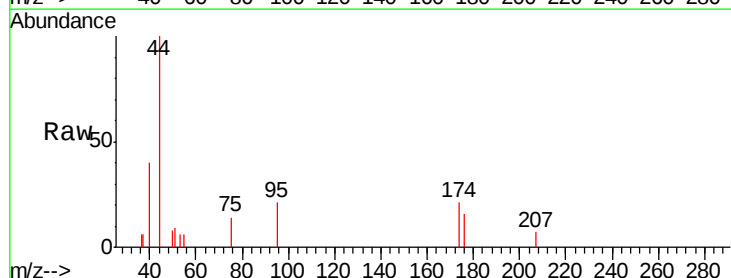
Instrument :
MSVOA_F
ClientSampleId :
A-GLICAL-PILE

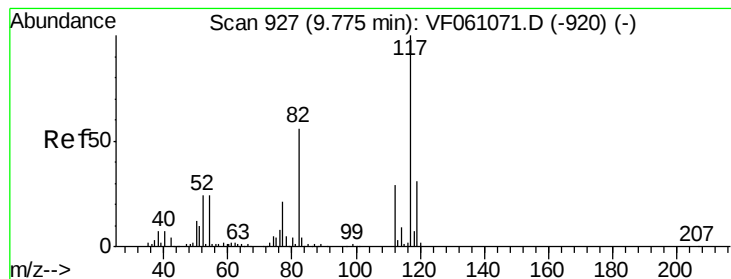
Tgt Ion: 43 Resp: 75
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.2#



#62
4-Bromofluorobenzene
Concen: 17.733 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VF061259.D
Acq: 2 Jan 2019 17:32

Tgt Ion: 95 Resp: 703
Ion Ratio Lower Upper
95 100
174 97.2 0.0 143.8
176 77.2 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: VF061259.D

Acq: 2 Jan 2019 17:32

Instrument :

MSVOA_F

ClientSampleId :

A-GLICAL-PILE

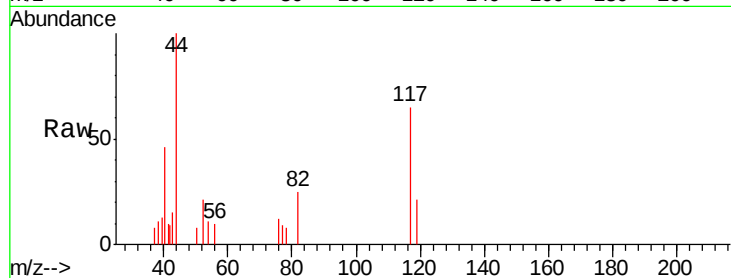
Tgt Ion:117 Resp: 2404

Ion Ratio Lower Upper

117 100

82 39.2 45.0 67.4#

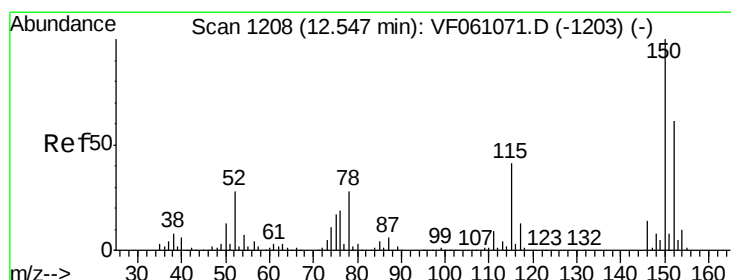
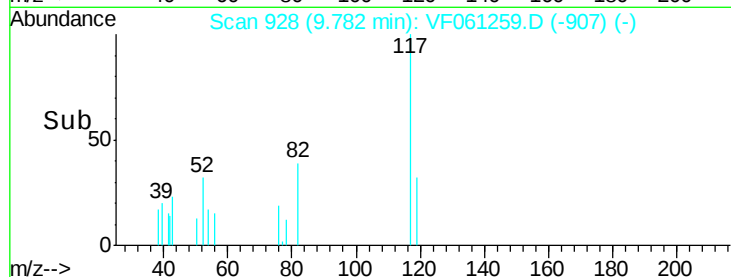
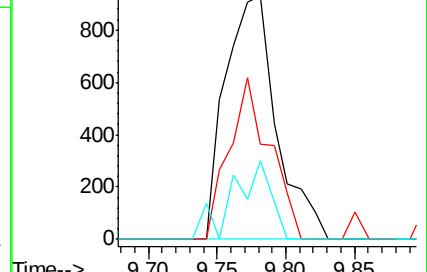
119 32.3 24.8 37.2



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: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

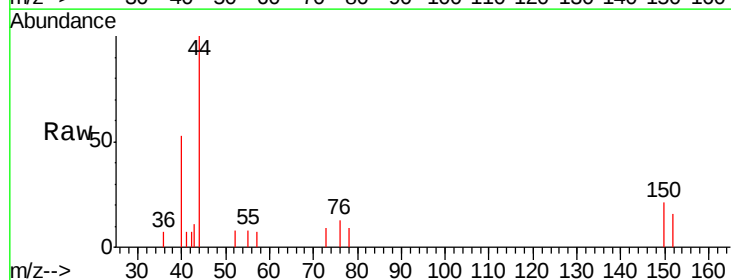
Tgt Ion:152 Resp: 296

Ion Ratio Lower Upper

152 100

115 0.0 33.3 99.9#

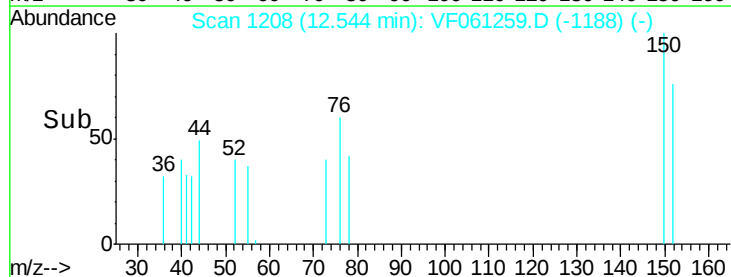
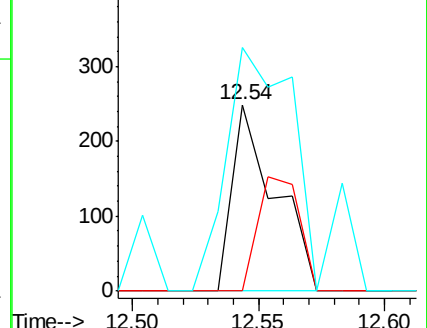
150 130.9 0.0 328.2

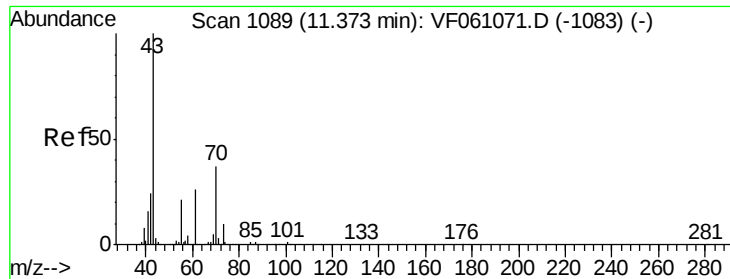


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

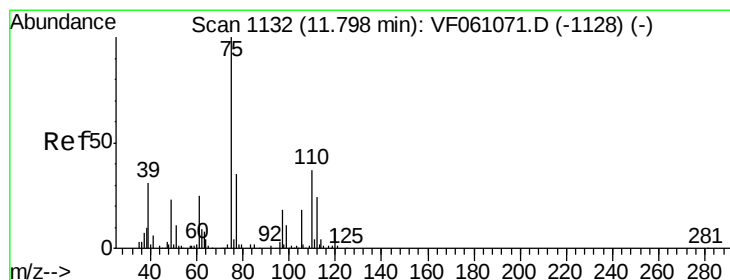
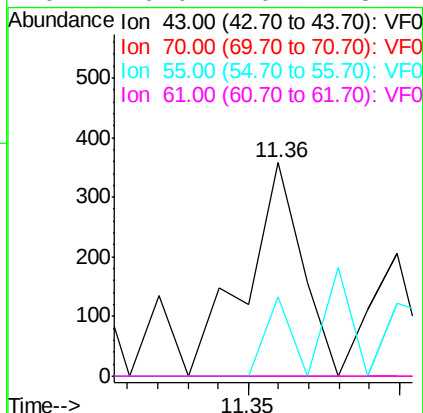
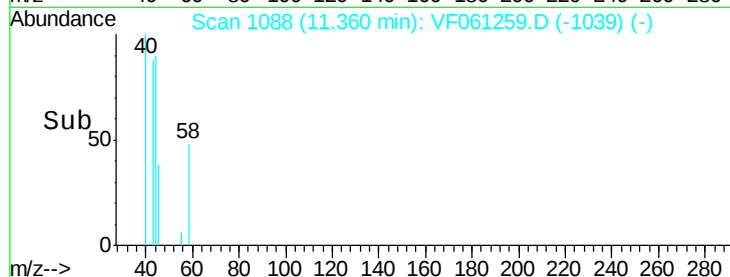
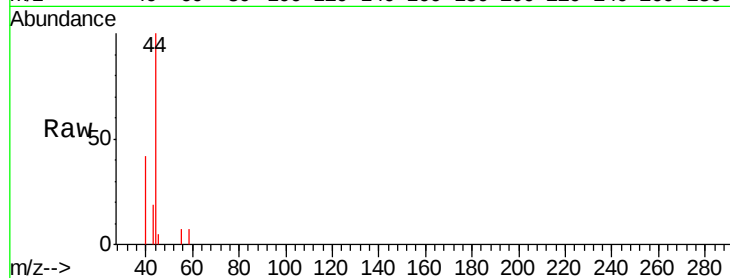




#74
N-amyI acetate
Concen: 81.933 ug/l
RT: 11.36 min Scan# 1088
Delta R.T. -0.01 min
Lab File: VF061259.D
Acq: 2 Jan 2019 17:32

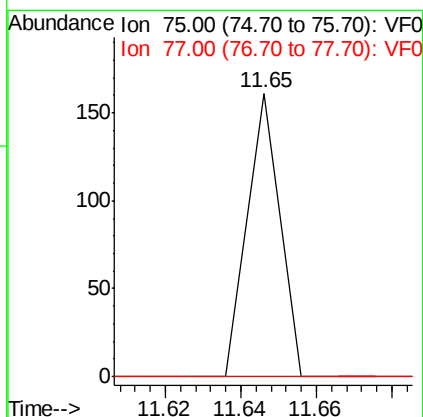
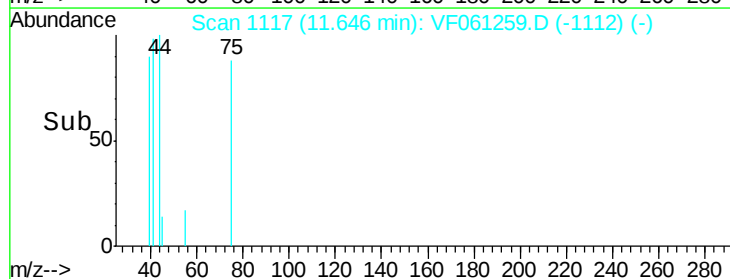
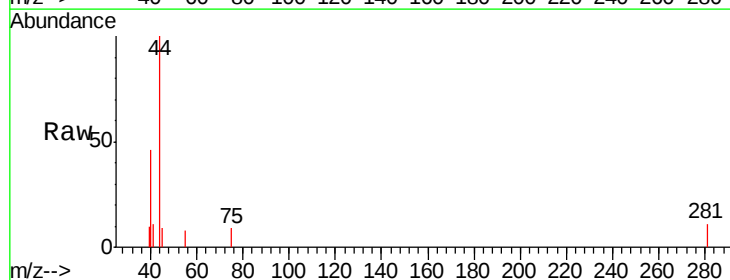
Instrument :
MSVOA_F
ClientSampleId :
A-GLICAL-PILE

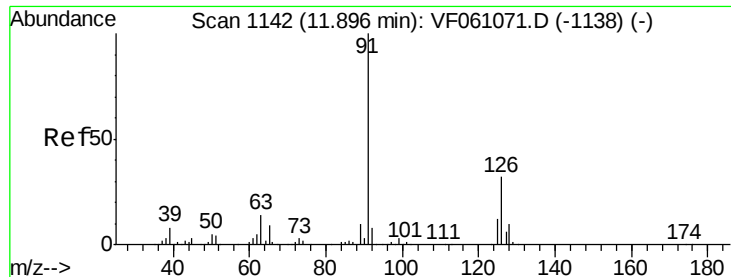
Tgt Ion: 43 Resp: 464
Ion Ratio Lower Upper
43 100
70 0.0 29.2 43.8#
55 37.2 16.5 24.7#
61 0.0 20.7 31.1#



#76
1,2,3-Trichloropropane
Concen: 30.154 ug/l
RT: 11.65 min Scan# 1117
Delta R.T. -0.15 min
Lab File: VF061259.D
Acq: 2 Jan 2019 17:32

Tgt Ion: 75 Resp: 95
Ion Ratio Lower Upper
75 100
77 0.0 17.6 52.9#





#82

4-Chlorotoluene

Concen: 3.425 ug/l

RT: 11.98 min Scan# 1151

Delta R.T. 0.09 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

Instrument :

MSVOA_F

ClientSampleId :

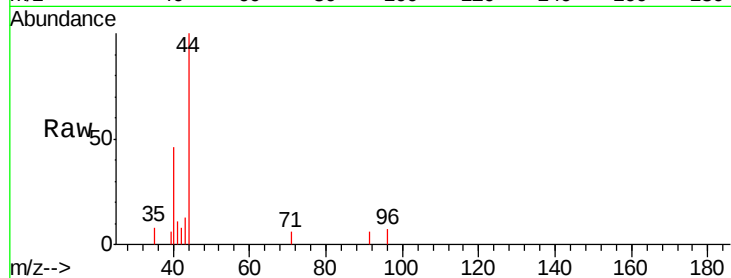
A-GLICAL-PILE

Tgt Ion: 91 Resp: 62

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

11.98

100

80

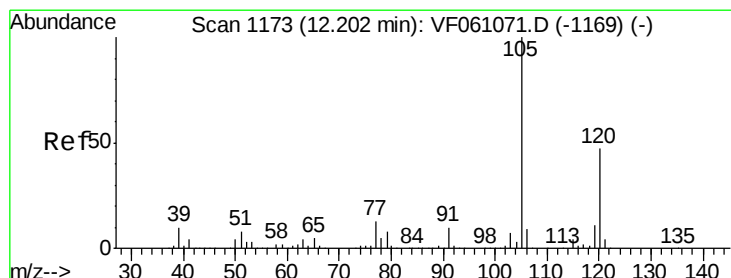
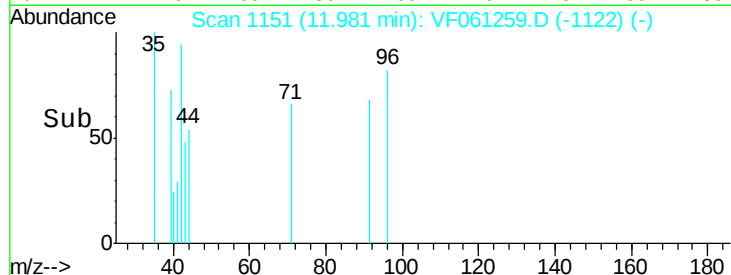
60

40

20

0

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 2.865 ug/l

RT: 12.20 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VF061259.D

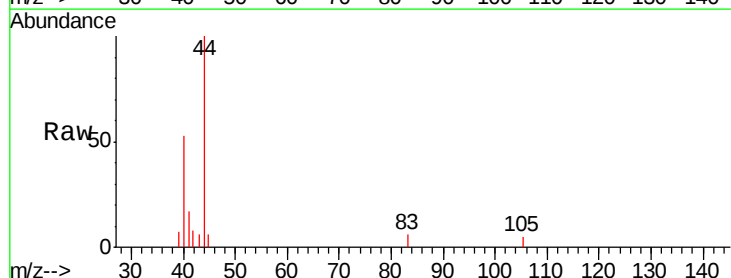
Acq: 2 Jan 2019 17:32

Tgt Ion: 105 Resp: 60

Ion Ratio Lower Upper

105 100

120 0.0 23.6 71.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.20

100

80

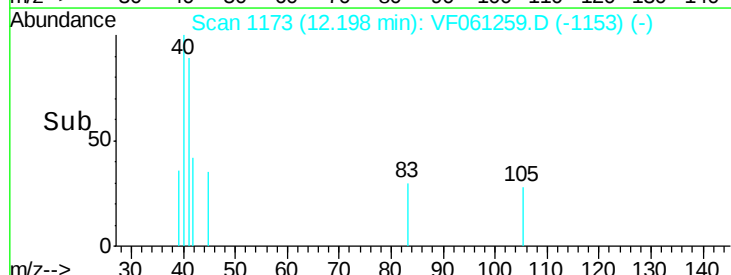
60

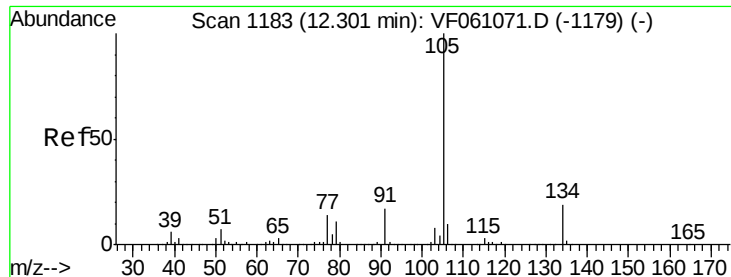
40

20

0

Time-->

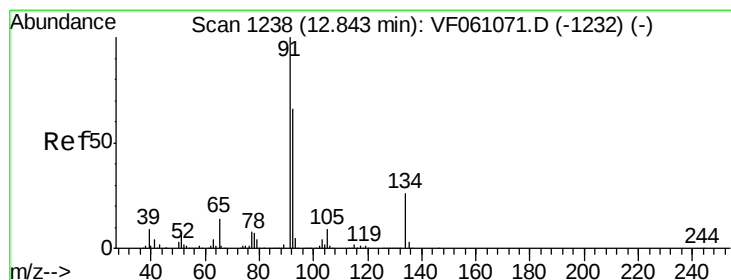
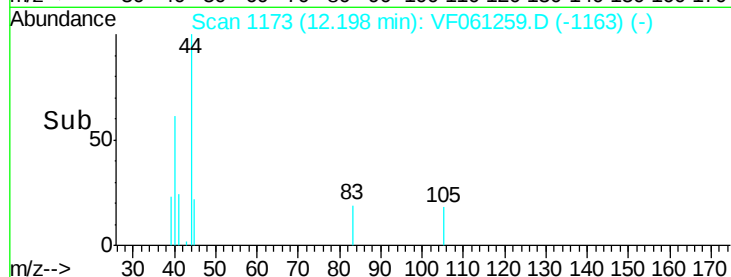
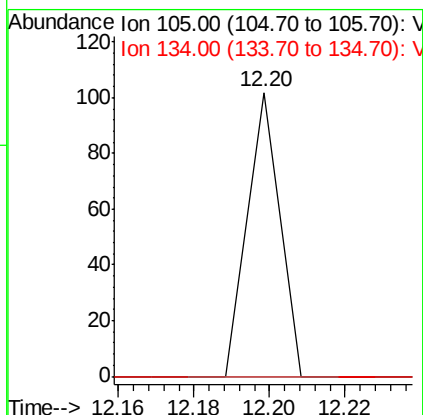
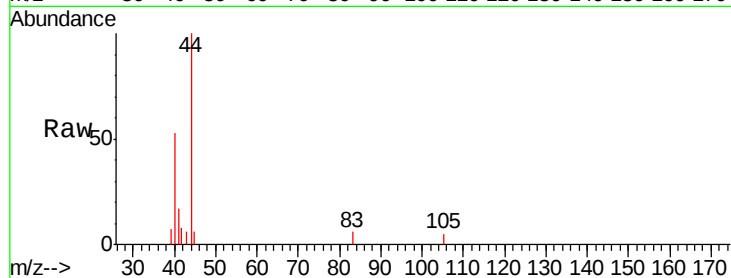




#85
 sec-Butylbenzene
 Concen: 2.127 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.10 min
 Lab File: VF061259.D
 Acq: 2 Jan 2019 17:32

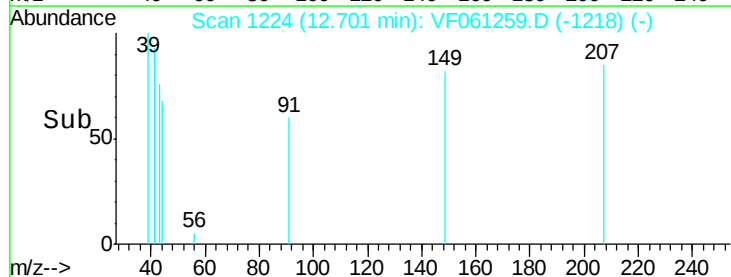
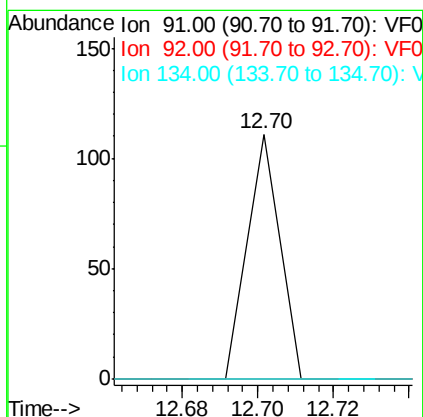
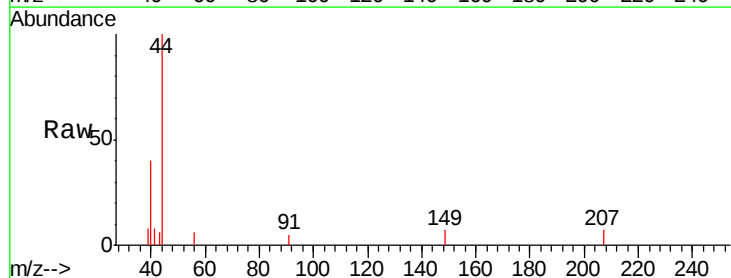
Instrument :
 MSVOA_F
 ClientSampleId :
 A-GLICAL-PILE

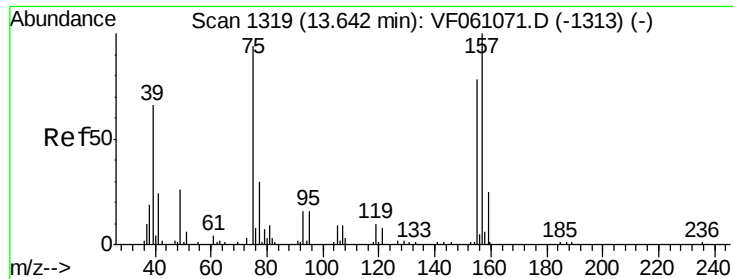
Tgt Ion: 105 Resp: 60
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.4 28.2#



#89
 n-Butylbenzene
 Concen: 2.566 ug/l
 RT: 12.70 min Scan# 1224
 Delta R.T. -0.14 min
 Lab File: VF061259.D
 Acq: 2 Jan 2019 17:32

Tgt Ion: 91 Resp: 66
 Ion Ratio Lower Upper
 91 100
 92 0.0 32.8 98.4#
 134 0.0 13.2 39.5#





#92

1,2-Dibromo-3-Chloropropane

Concen: 86.245 ug/l

RT: 13.55 min Scan# 1310

Delta R.T. -0.09 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

Instrument :

MSVOA_F

ClientSampleId :

A-GLICAL-PILE

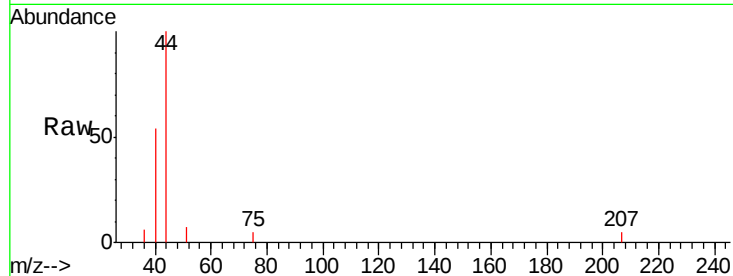
Tgt Ion: 75 Resp: 67

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

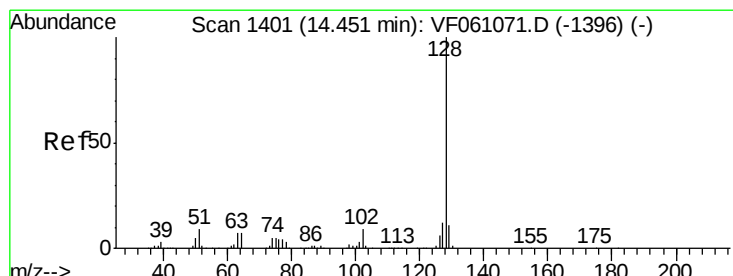
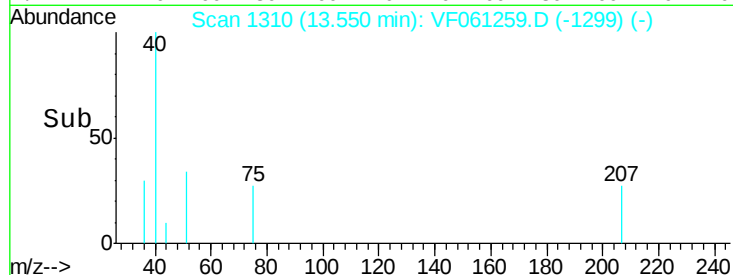
13.55

100

50

0

Time-->



#95

Naphthalene

Concen: 5.821 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. 0.01 min

Lab File: VF061259.D

Acq: 2 Jan 2019 17:32

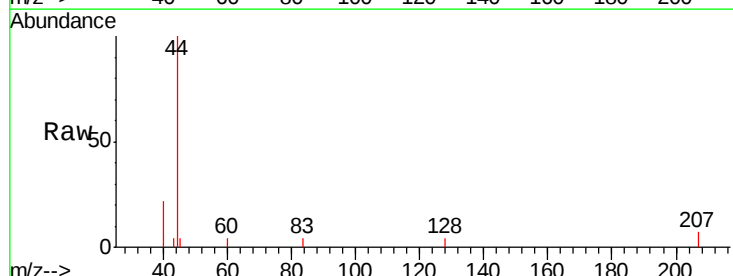
Tgt Ion: 128 Resp: 74

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

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

14.46

100

50

0

Time-->

