

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031919\
 Data File : VF062025.D
 Acq On : 19 Mar 2019 18:49
 Operator : VA/AP
 Sample : K1958-05
 Misc : 7.52g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 20 05:22:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	197637	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	309581	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	237610	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	121094	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	78343	55.07	ug/l	-0.02
Spiked Amount			Recovery	=	110.14%	
35) Dibromofluoromethane	4.09	113	112774	54.25	ug/l	-0.02
Spiked Amount			Recovery	=	108.50%	
50) Toluene-d8	7.53	98	266091	43.78	ug/l	-0.02
Spiked Amount			Recovery	=	87.56%	
62) 4-Bromofluorobenzene	11.40	95	111176	46.05	ug/l	-0.01
Spiked Amount			Recovery	=	92.10%	

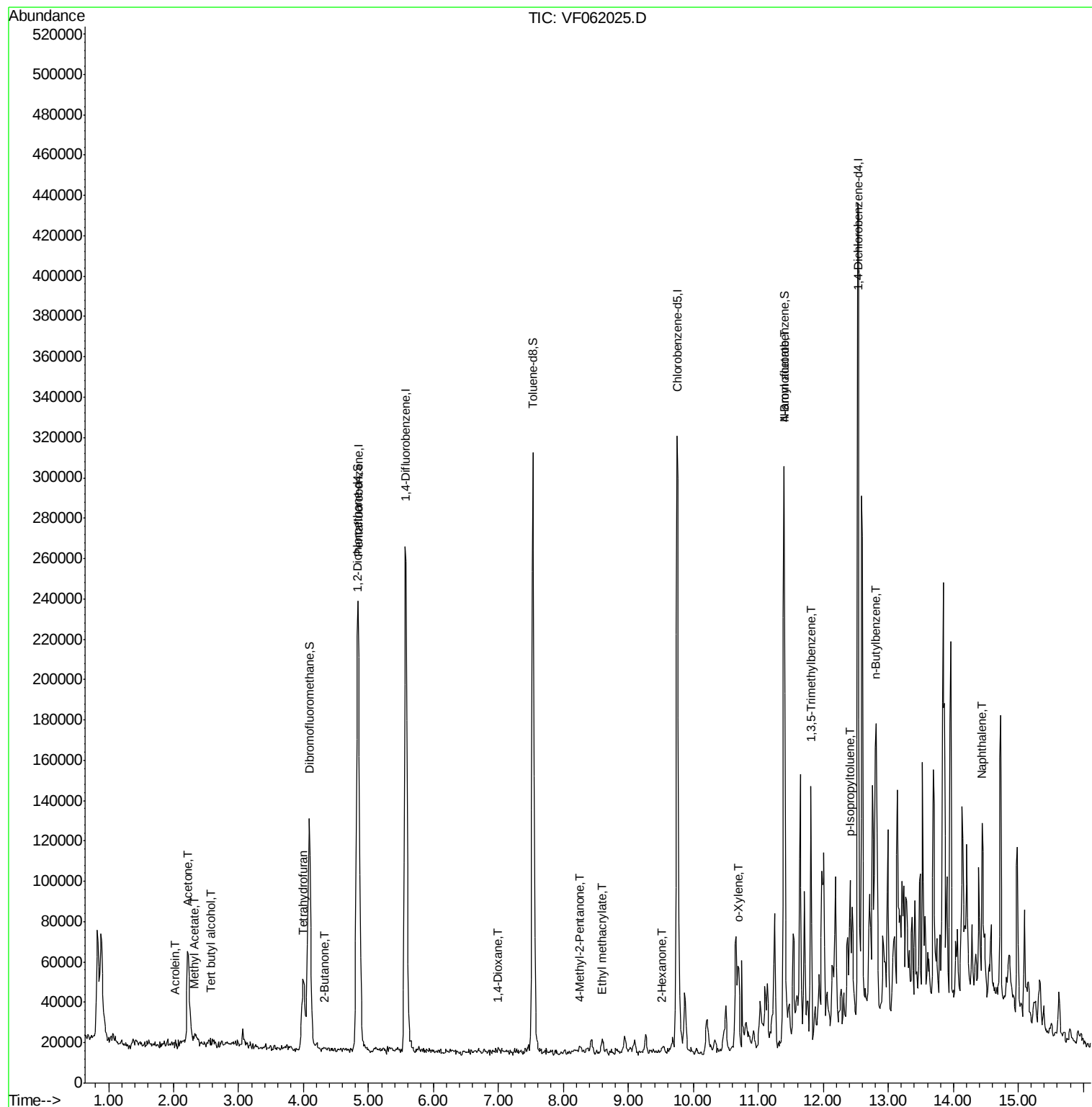
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	2419	27.787	ug/l #	87
13) Acrolein	2.04	56	302	3.214	ug/l	92
16) Acetone	2.22	43	85137	266.498	ug/l	96
18) Methyl Acetate	2.32	43	10124	15.490	ug/l	94
25) 2-Butanone	4.33	43	1059	1.674	ug/l #	51
29) Tetrahydrofuran	4.00	42	822	2.987	ug/l #	40
49) 1,4-Dioxane	7.00	88	67	7.847	ug/l #	1
51) 4-Methyl-2-Pentanone	8.24	43	2272	2.154	ug/l #	66
56) Ethyl methacrylate	8.60	69	3860	2.688	ug/l #	80
59) 2-Hexanone	9.50	43	1086	1.423	ug/l #	23
69) o-Xylene	10.70	106	10365	3.400	ug/l	95
74) N-amyl acetate	11.39	43	1958	1.021	ug/l #	1
80) 1,3,5-Trimethylbenzene	11.81	105	61846	9.152	ug/l	97
86) p-Isopropyltoluene	12.41	119	35717	4.483	ug/l	94
89) n-Butylbenzene	12.82	91	12183	1.627	ug/l #	1
95) Naphthalene	14.45	128	4695	1.063	ug/l #	1

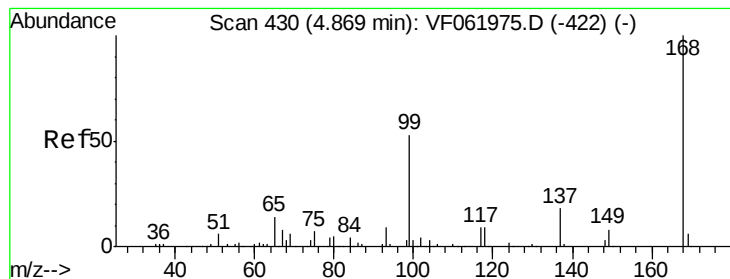
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031919\
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Quant Title : SW846 8260
QLast Update : Mon Mar 18 07:28:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF062025.D

Acq: 19 Mar 2019 18:49

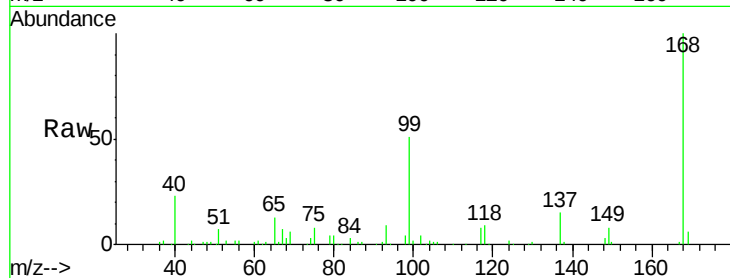
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 197637

Ion Ratio Lower Upper

168 100

99 50.9 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

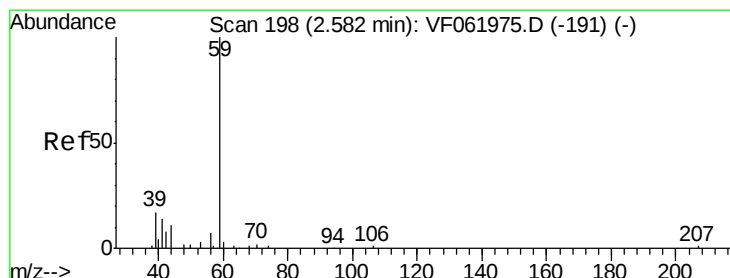
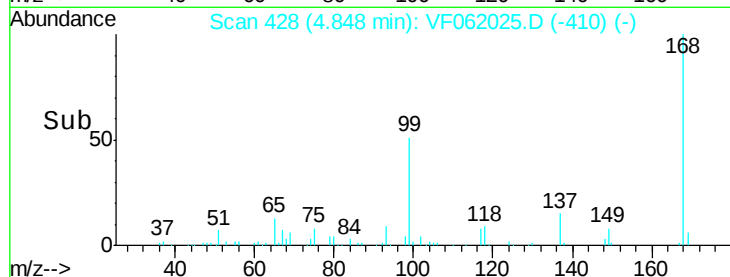
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 27.787 ug/l

RT: 2.56 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF062025.D

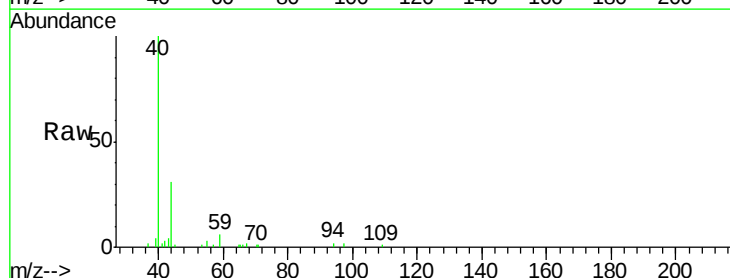
Acq: 19 Mar 2019 18:49

Tgt Ion: 59 Resp: 2419

Ion Ratio Lower Upper

59 100

57 15.9 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.56

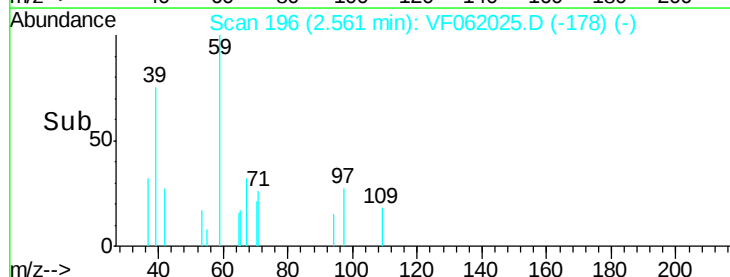
600

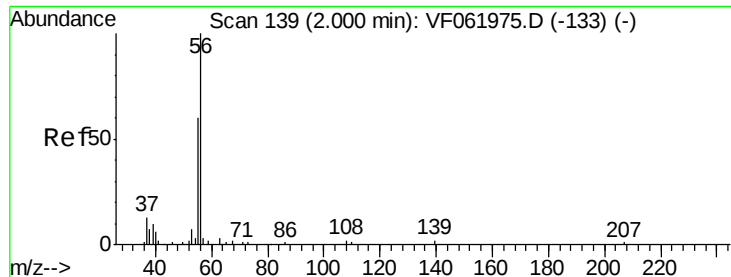
400

200

0

Time-->





#13

Acrolein

Concen: 3.214 ug/l

RT: 2.04 min Scan# 143

Delta R.T. 0.04 min

Lab File: VF062025.D

Acq: 19 Mar 2019 18:49

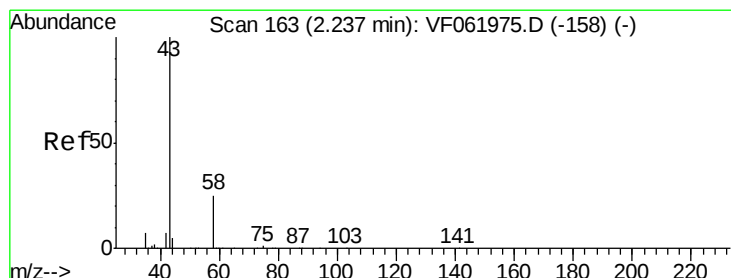
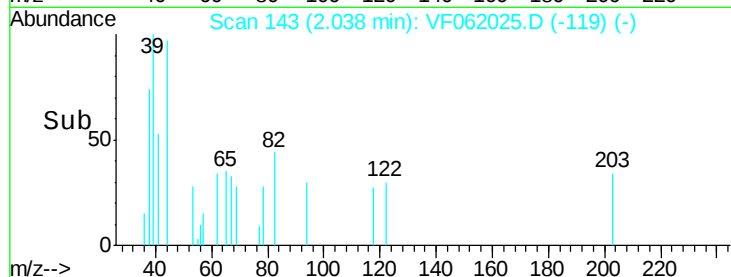
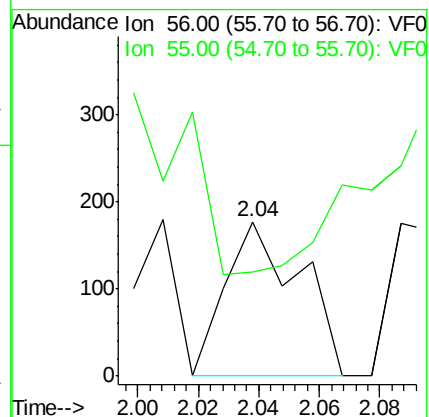
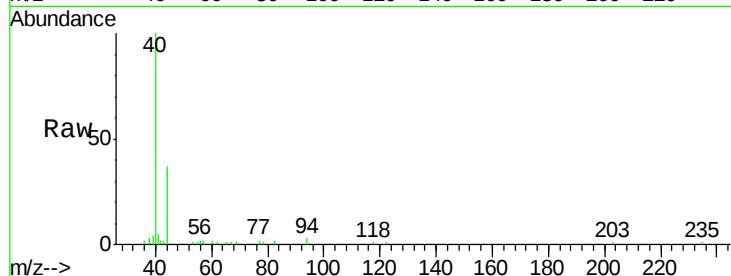
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 302

Ion Ratio Lower Upper

56 100

55 67.2 49.1 73.7



#16

Acetone

Concen: 266.498 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.02 min

Lab File: VF062025.D

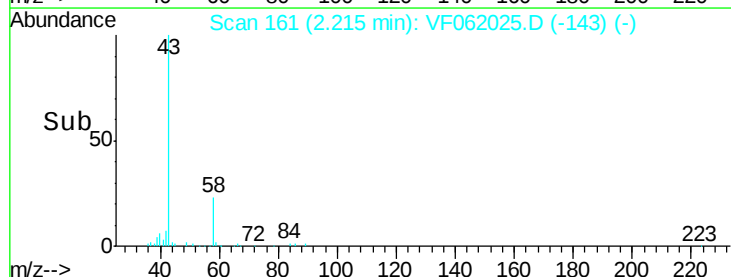
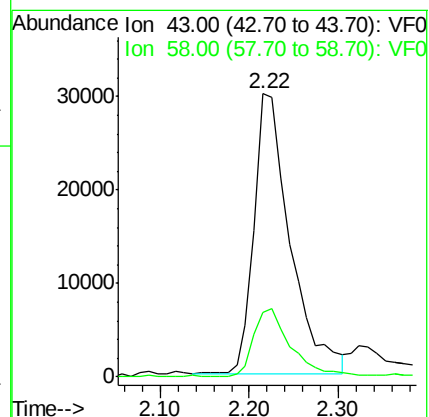
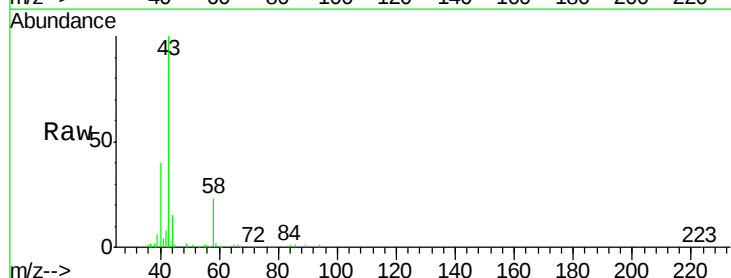
Acq: 19 Mar 2019 18:49

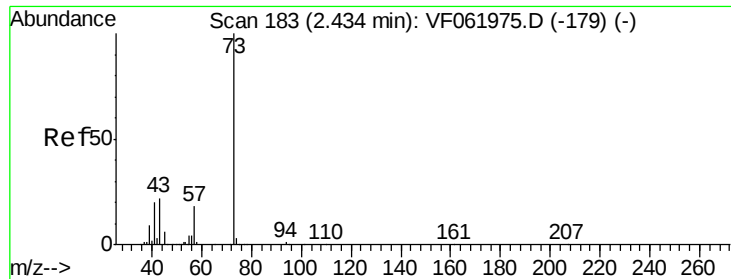
Tgt Ion: 43 Resp: 85137

Ion Ratio Lower Upper

43 100

58 22.9 19.9 29.9

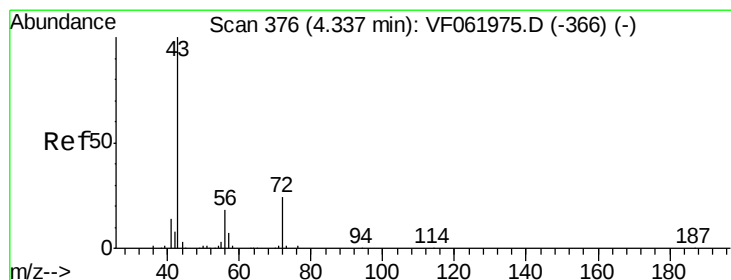
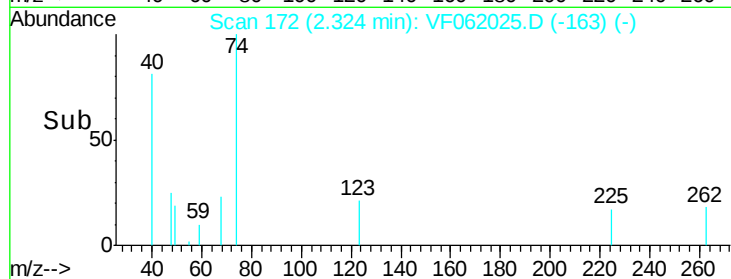
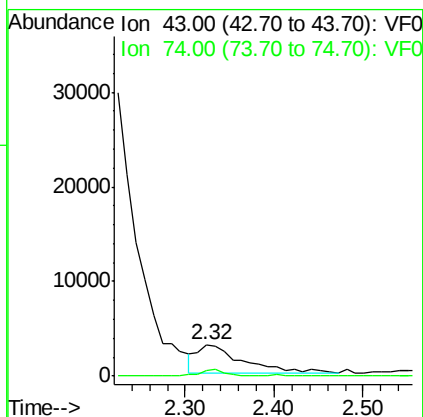
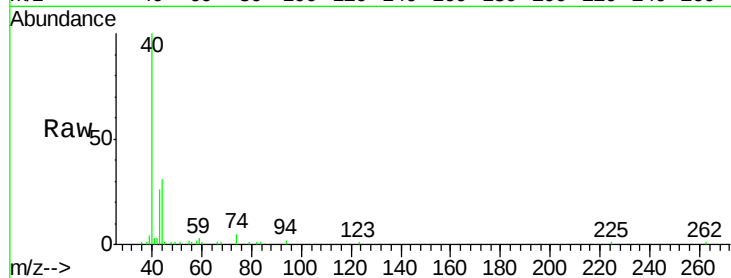




#18
Methvl Acetate
Concen: 15.490 ug/l
RT: 2.32 min Scan# 172
Delta R.T. -0.11 min
Lab File: VF062025.D
Acq: 19 Mar 2019 18:49

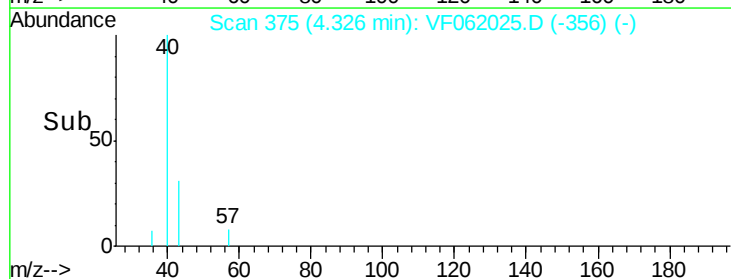
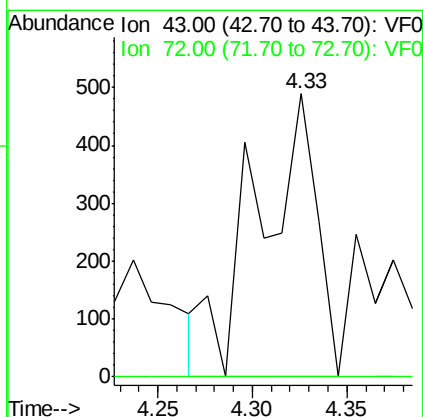
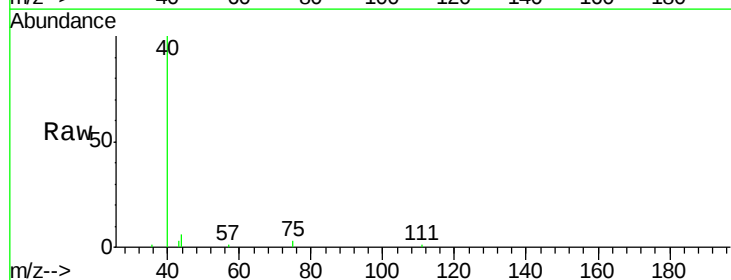
Instrument :
MSVOA_F
ClientSampleId :

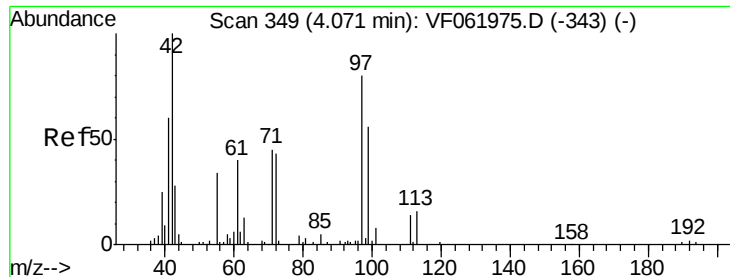
Tot Ion: 43 Resp: 10124
Ion Ratio Lower Upper
43 100
74 18.4 12.6 18.8



#25
2-Butanone
Concen: 1.674 ug/l
RT: 4.33 min Scan# 375
Delta R.T. -0.01 min
Lab File: VF062025.D
Acq: 19 Mar 2019 18:49

Tgt Ion: 43 Resp: 1059
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.6#

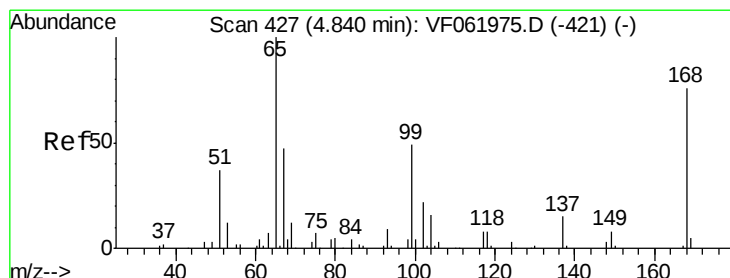
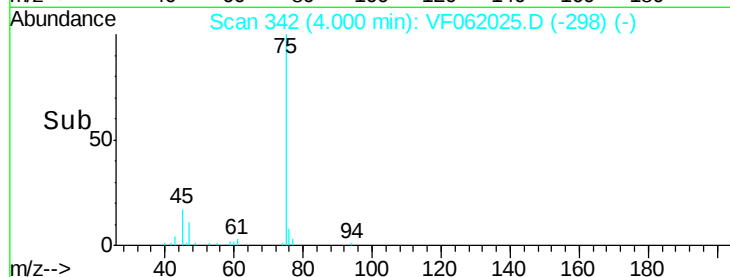
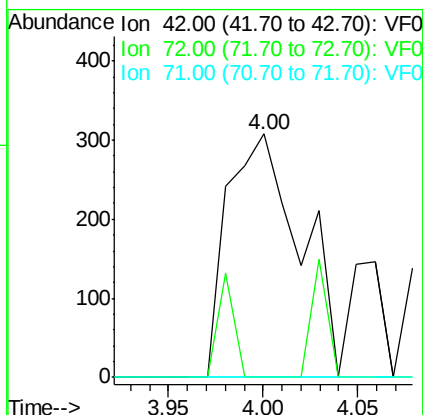
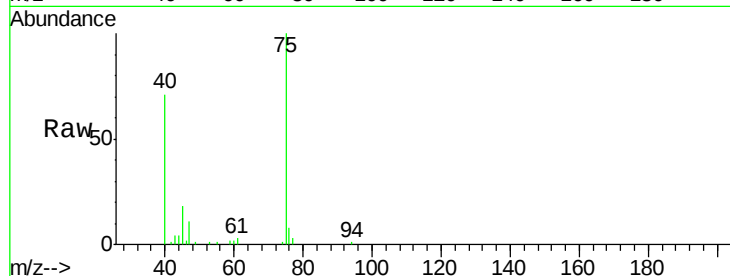




#29
Tetrahydrofuran
Concen: 2.987 ug/l
RT: 4.00 min Scan# 342
Delta R.T. -0.07 min
Lab File: VF062025.D
Acq: 19 Mar 2019 18:49

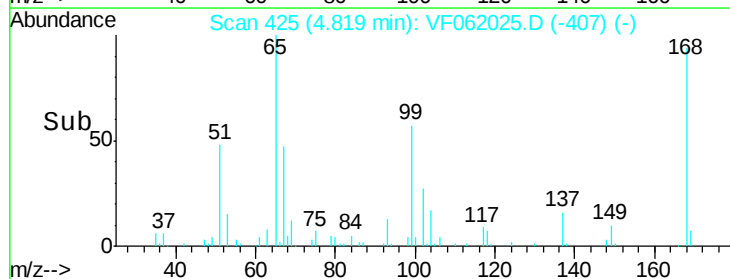
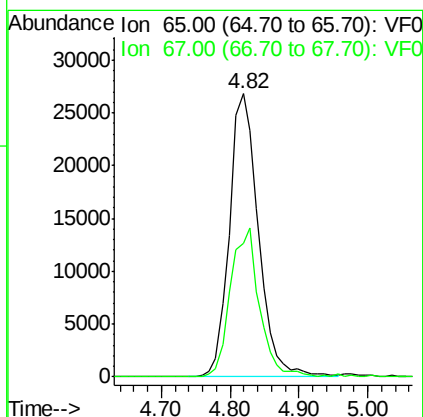
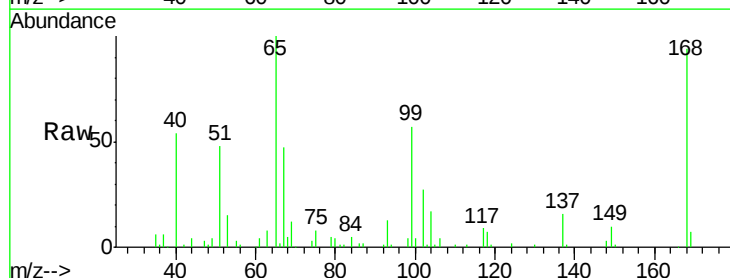
Instrument :
MSVOA_F
ClientSampleId :

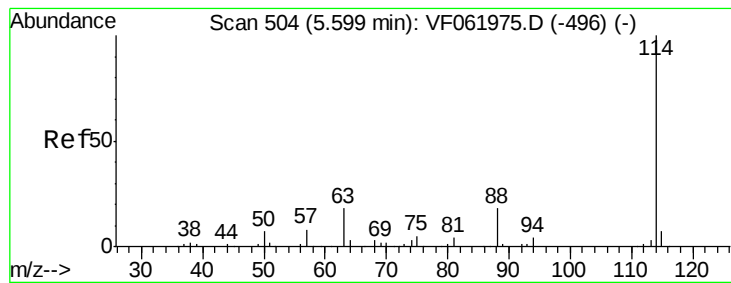
Tot Ion: 42 Resp: 822
Ion Ratio Lower Upper
42 100
72 9.4 34.0 51.0#
71 0.0 34.2 51.4#



#33
1,2-Dichloroethane-d4
Concen: 55.068 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.02 min
Lab File: VF062025.D
Acq: 19 Mar 2019 18:49

Tgt Ion: 65 Resp: 78343
Ion Ratio Lower Upper
65 100
67 47.0 0.0 109.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.02 min

Lab File: VF062025.D

Acq: 19 Mar 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

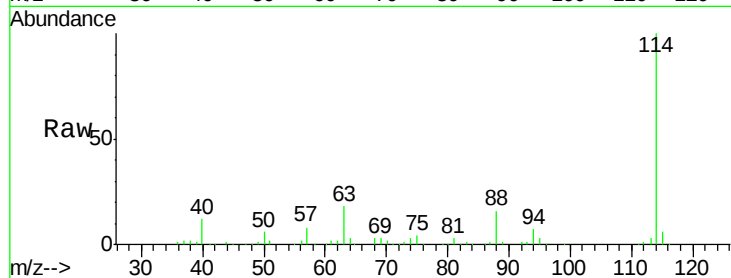
Tot Ion:114 Resp: 309581

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.4

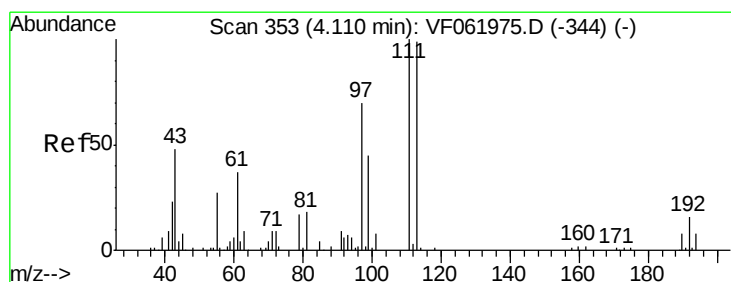
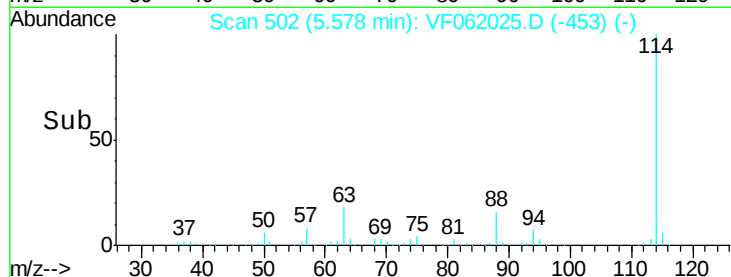
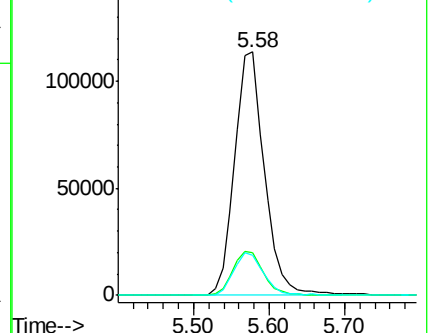
88 16.4 0.0 36.4



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



#35

Dibromofluoromethane

Concen: 54.247 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF062025.D

Acq: 19 Mar 2019 18:49

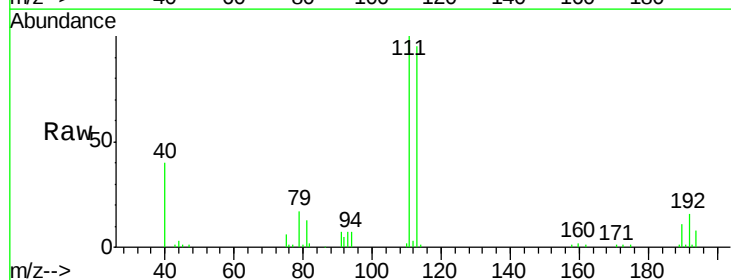
Tgt Ion:113 Resp: 112774

Ion Ratio Lower Upper

113 100

111 105.5 80.8 121.2

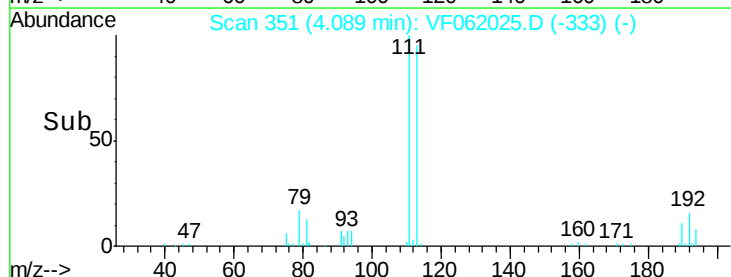
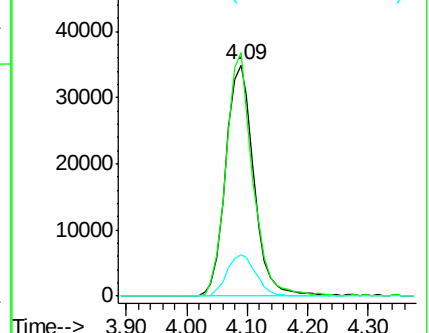
192 18.0 13.0 19.6

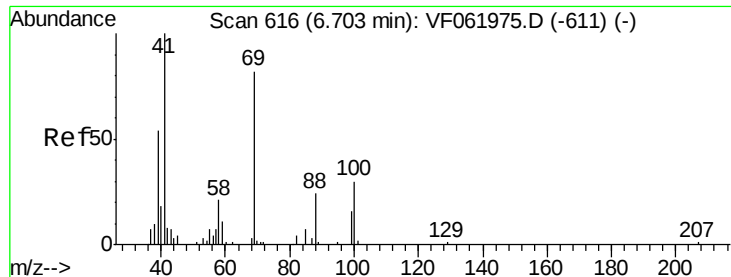


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

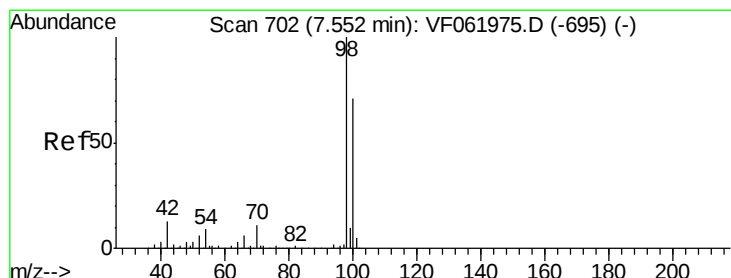
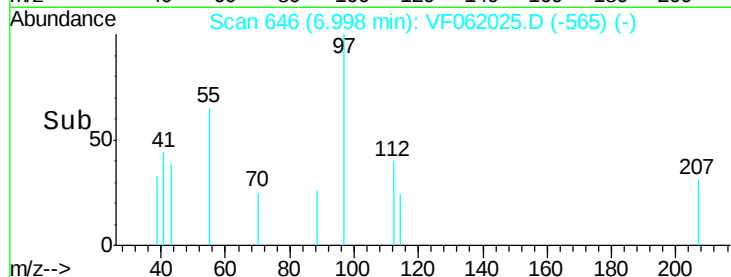
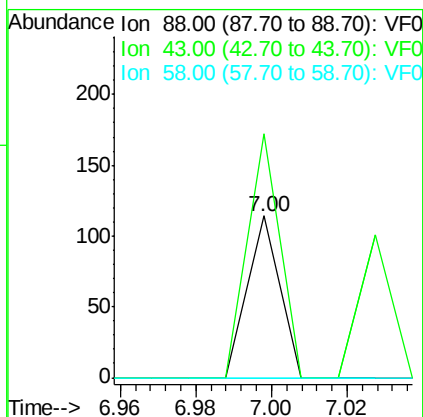
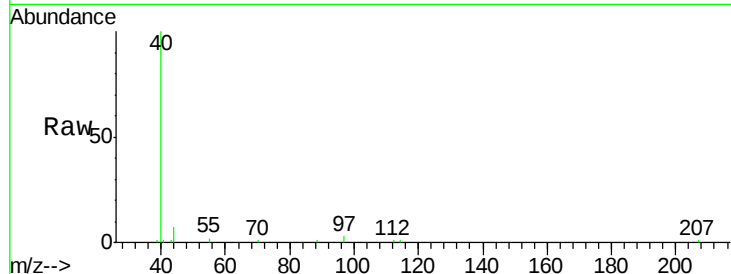




#49
1,4-Dioxane
Concen: 7.847 ug/l
RT: 7.00 min Scan# 646
Delta R.T. 0.29 min
Lab File: VF062025.D
Acq: 19 Mar 2019 18:49

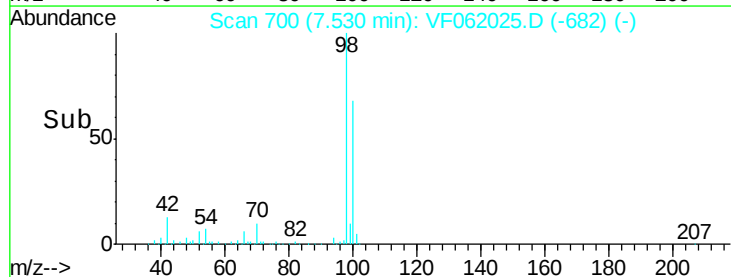
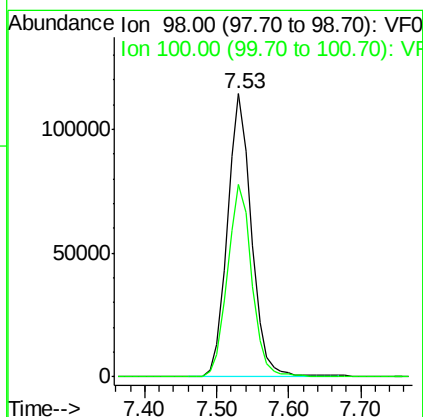
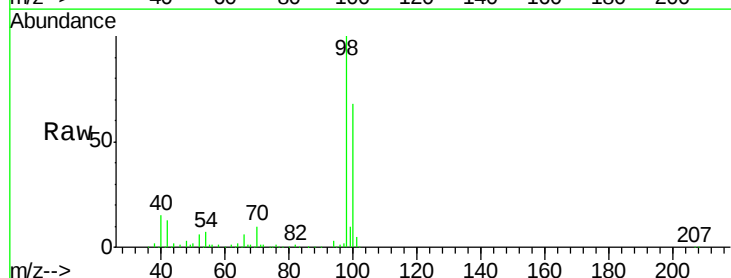
Instrument :
MSVOA_F
ClientSampleId :

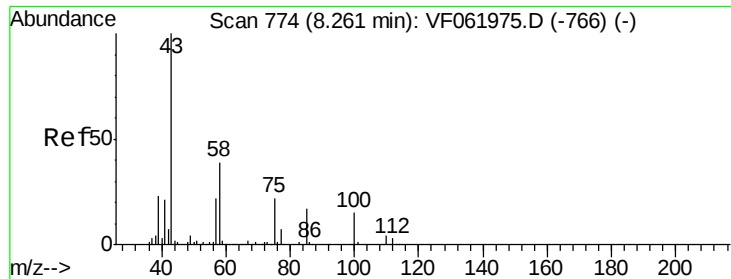
Tot Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 150.9 31.2 46.8#
58 0.0 69.9 104.9#



#50
Toluene-d8
Concen: 43.785 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.02 min
Lab File: VF062025.D
Acq: 19 Mar 2019 18:49

Tgt Ion: 98 Resp: 266091
Ion Ratio Lower Upper
98 100
100 67.9 56.8 85.2





#51

4-Methyl-2-Pentanone

Concen: 2.154 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.02 min

Lab File: VF062025.D

Acq: 19 Mar 2019 18:49

Instrument :

MSVOA_F

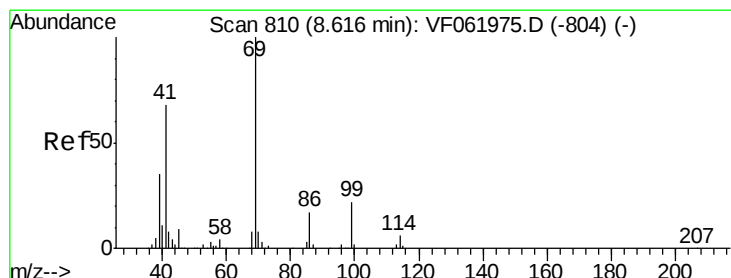
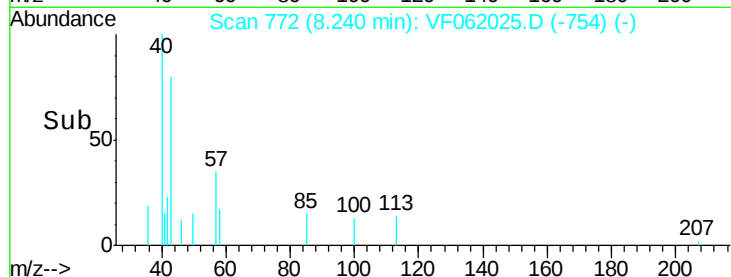
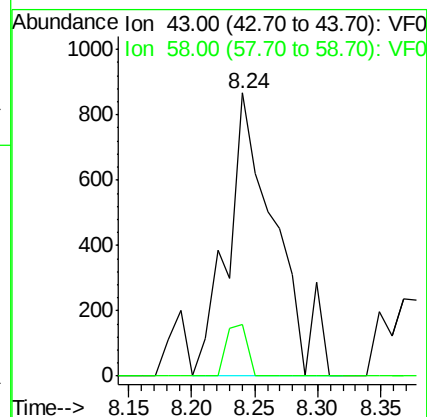
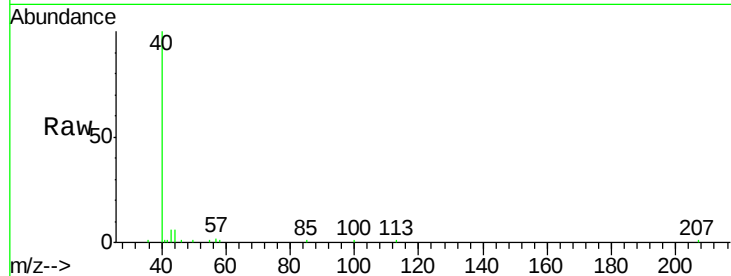
ClientSampled :

Tot Ion: 43 Resp: 2272

Ion Ratio Lower Upper

43 100

58 18.1 31.1 46.7#



#56

Ethyl methacrylate

Concen: 2.688 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.02 min

Lab File: VF062025.D

Acq: 19 Mar 2019 18:49

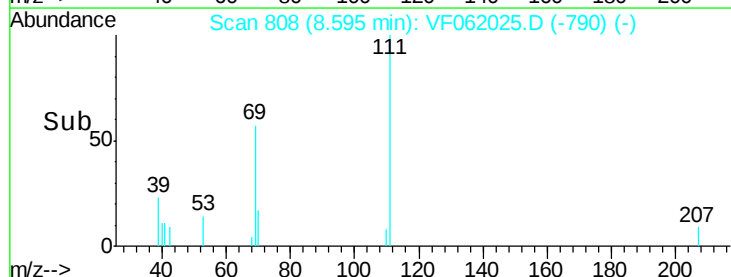
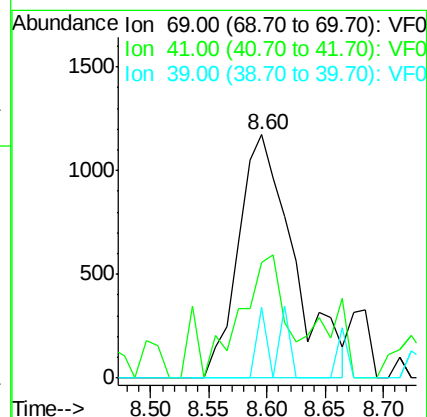
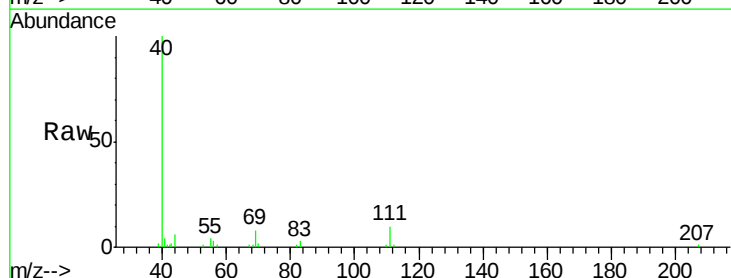
Tgt Ion: 69 Resp: 3860

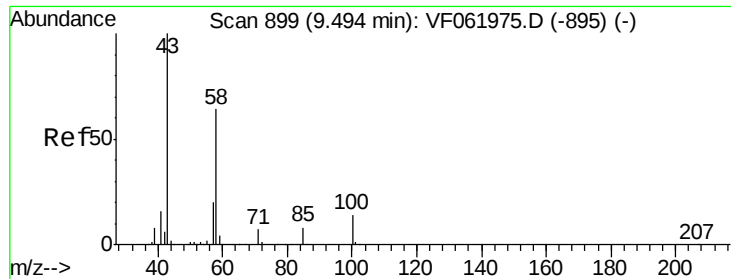
Ion Ratio Lower Upper

69 100

41 47.4 54.7 82.1#

39 29.2 27.9 41.9

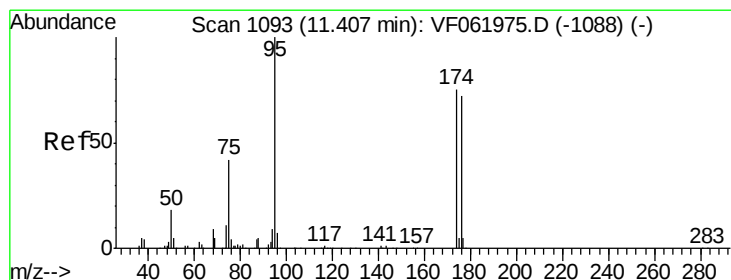
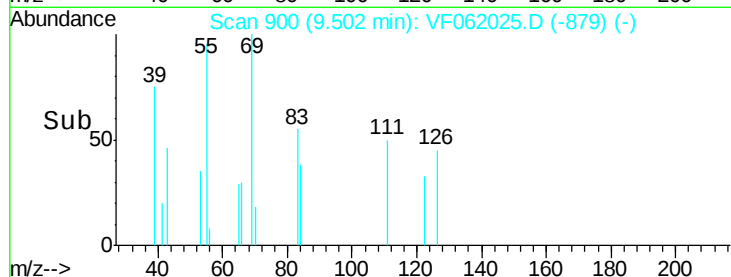
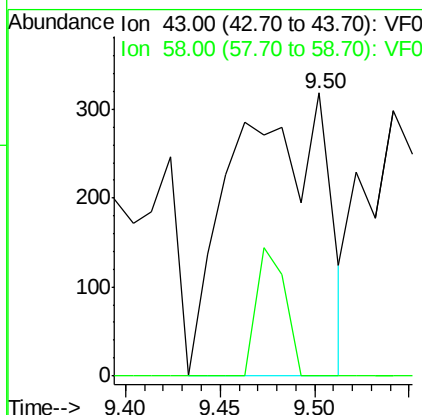
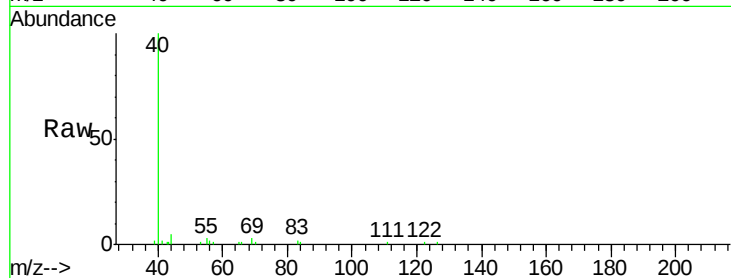




#59
2-Hexanone
Concen: 1.423 ug/l
RT: 9.50 min Scan# 900
Delta R.T. 0.01 min
Lab File: VF062025.D
Acq: 19 Mar 2019 18:49

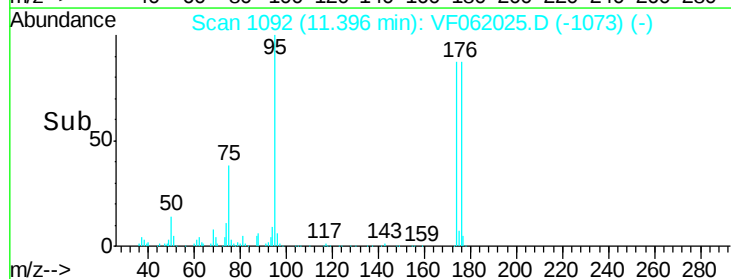
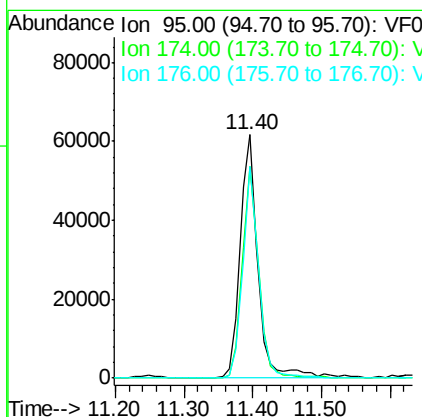
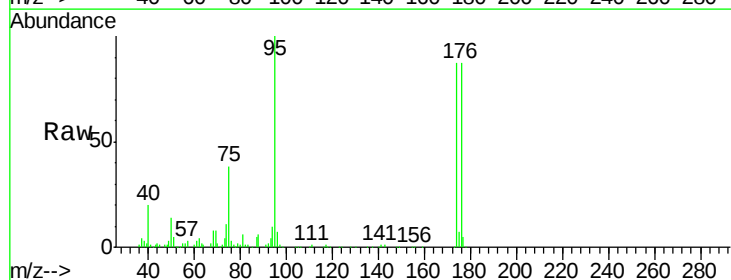
Instrument :
MSVOA_F
ClientSampleId :

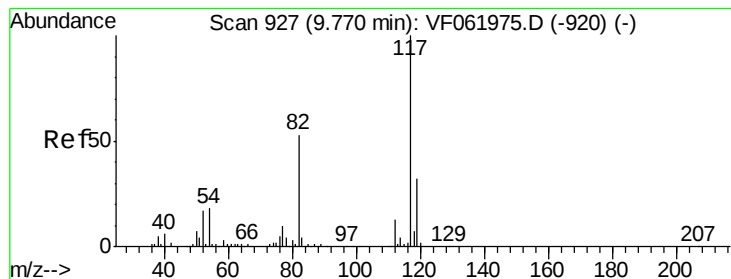
Tot Ion: 43 Resp: 1086
Ion Ratio Lower Upper
43 100
58 0.0 28.4 85.2#



#62
4-Bromofluorobenzene
Concen: 46.050 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VF062025.D
Acq: 19 Mar 2019 18:49

Tgt Ion: 95 Resp: 111176
Ion Ratio Lower Upper
95 100
174 86.9 0.0 149.4
176 86.8 0.0 143.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.75 min Scan# 925

Delta R.T. -0.02 min

Lab File: VF062025.D

Acq: 19 Mar 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

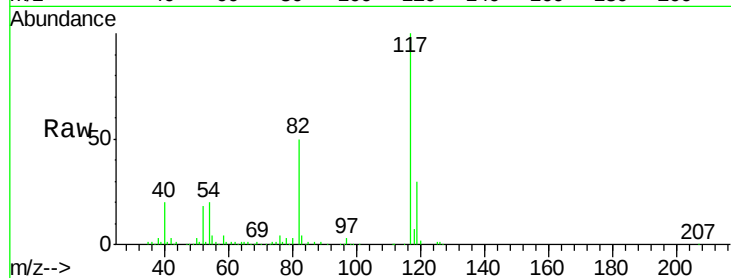
Tot Ion:117 Resp: 237610

Ion Ratio Lower Upper

117 100

82 49.9 42.5 63.7

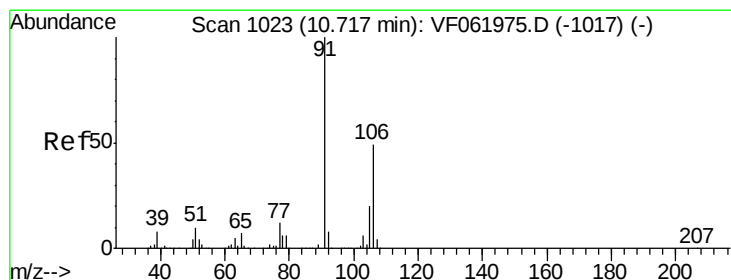
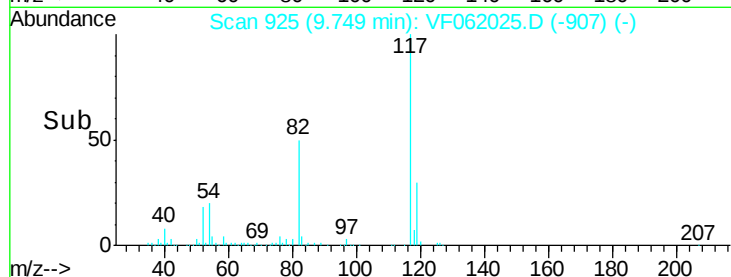
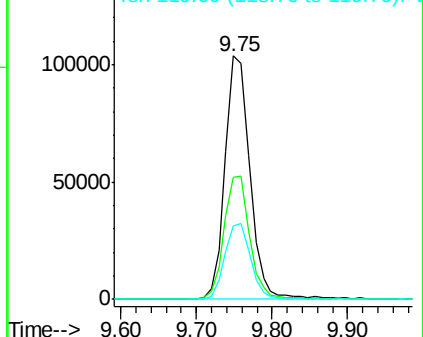
119 30.2 25.4 38.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#69

o-Xylene

Concen: 3.400 ug/l

RT: 10.70 min Scan# 1021

Delta R.T. -0.02 min

Lab File: VF062025.D

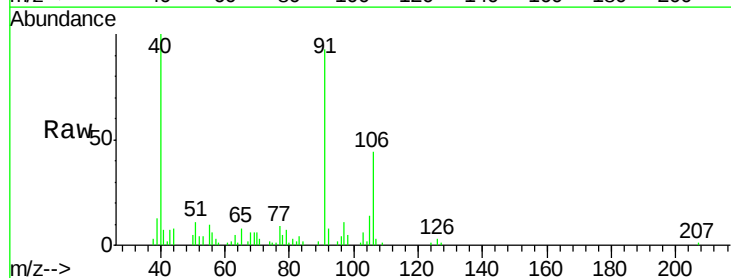
Acq: 19 Mar 2019 18:49

Tgt Ion:106 Resp: 10365

Ion Ratio Lower Upper

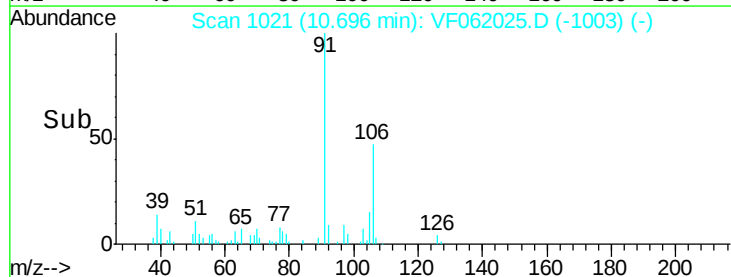
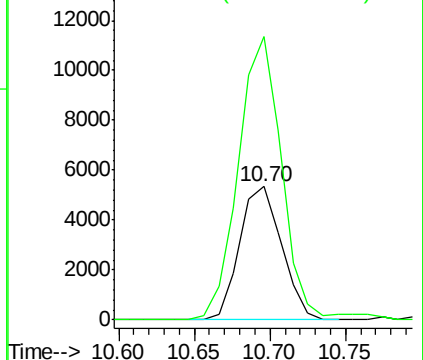
106 100

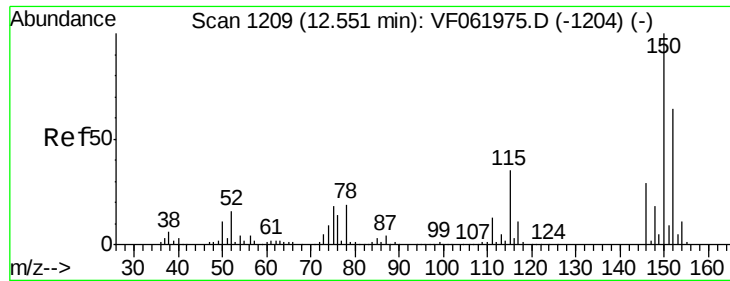
91 212.5 102.3 306.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

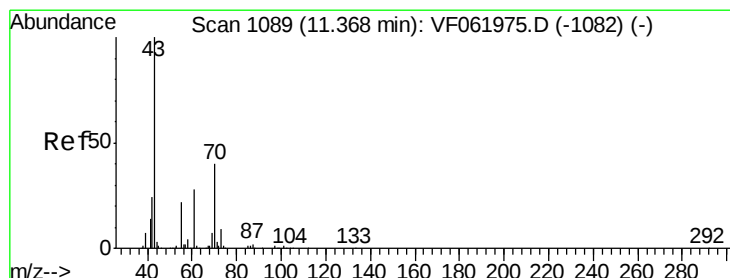
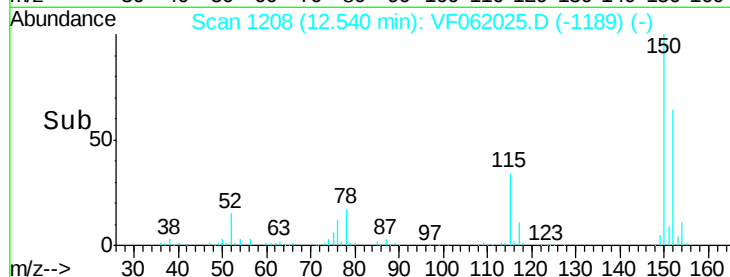
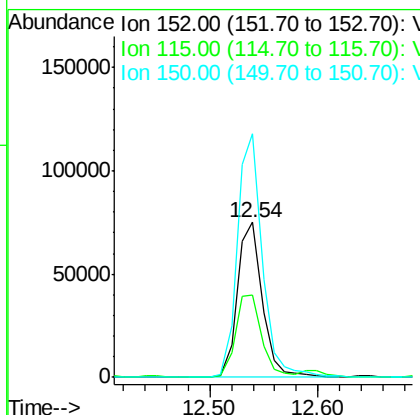
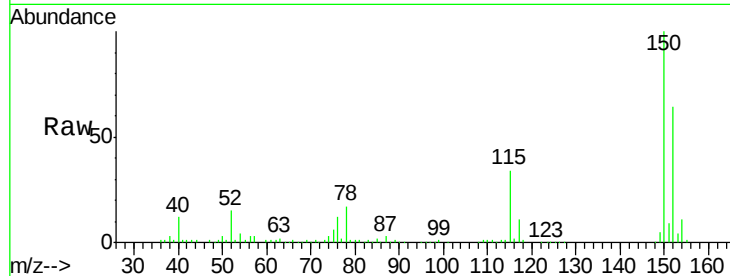




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: VF062025.D
 Acq: 19 Mar 2019 18:49

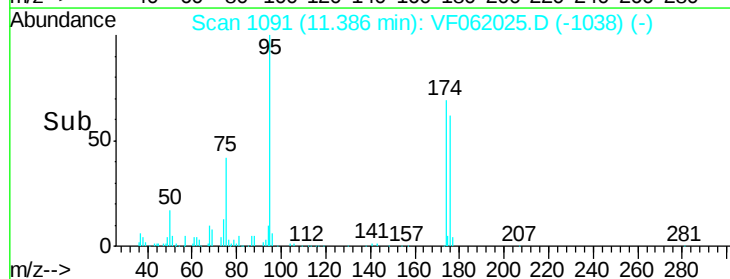
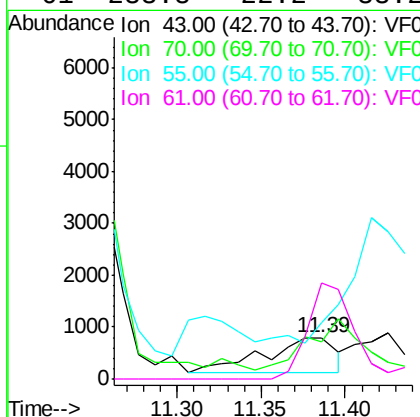
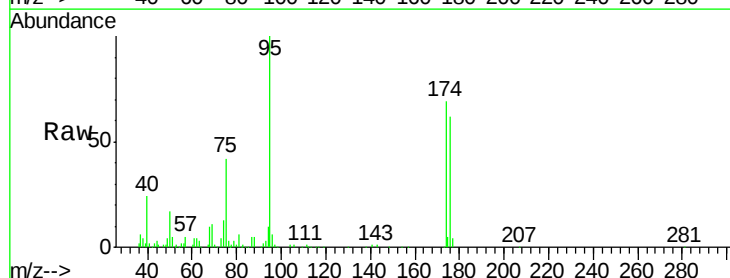
Instrument :
 MSVOA_F
 ClientSampleId :

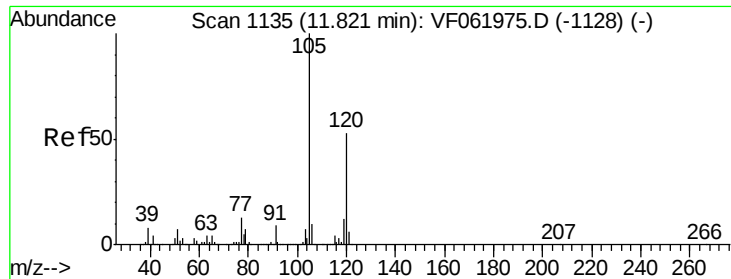
Tot Ion:152 Resp: 121094
 Ion Ratio Lower Upper
 152 100
 115 52.8 27.3 81.9
 150 157.0 0.0 316.2



#74
 N-ethyl acetate
 Concen: 1.021 ug/l
 RT: 11.39 min Scan# 1091
 Delta R.T. 0.02 min
 Lab File: VF062025.D
 Acq: 19 Mar 2019 18:49

Tgt Ion: 43 Resp: 1958
 Ion Ratio Lower Upper
 43 100
 70 90.3 31.9 47.9#
 55 135.8 17.9 26.9#
 61 233.8 22.2 33.2#

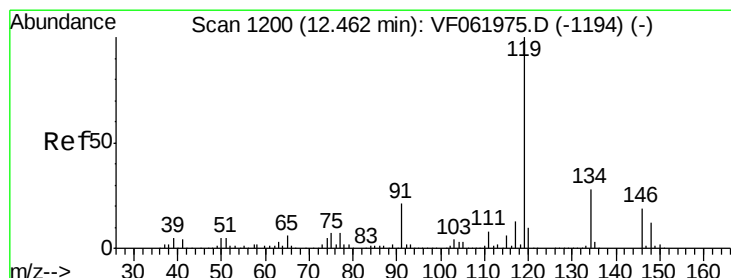
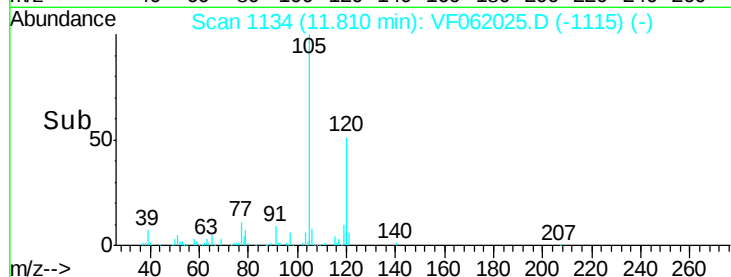
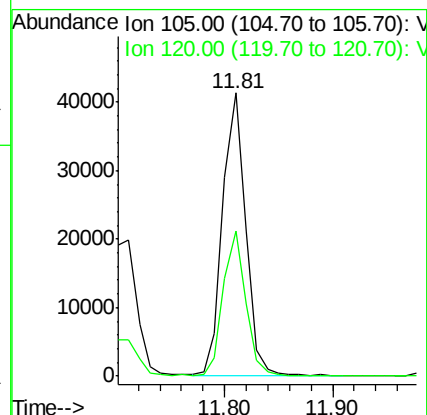
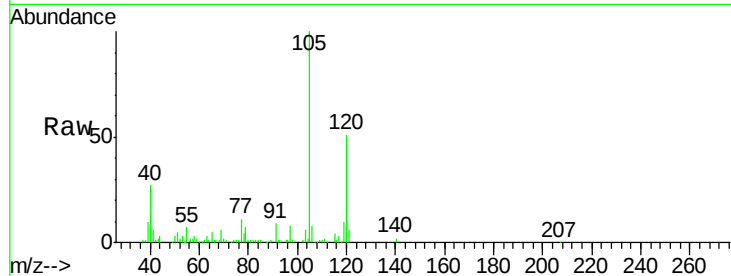




#80
 1,3,5-Trimethylbenzene
 Concen: 9.152 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.01 min
 Lab File: VF062025.D
 Acq: 19 Mar 2019 18:49

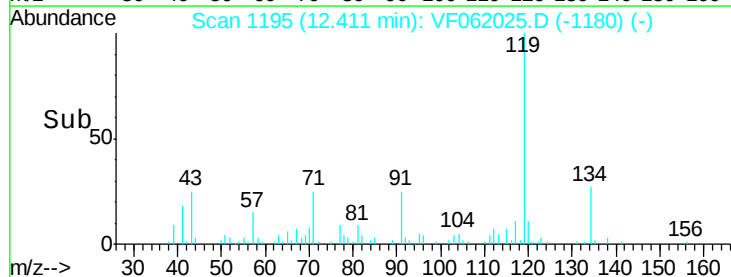
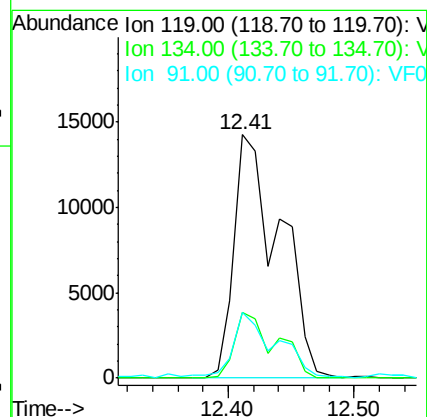
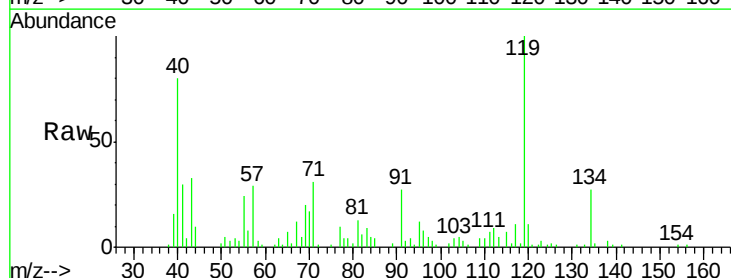
Instrument :
 MSVOA_F
 ClientSampleId :

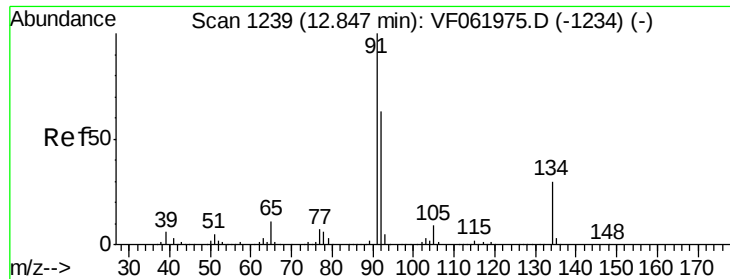
Tot Ion:105 Resp: 61846
 Ion Ratio Lower Upper
 105 100
 120 51.2 26.6 79.7



#86
 p-Isopropyltoluene
 Concen: 4.483 ug/l
 RT: 12.41 min Scan# 1195
 Delta R.T. -0.05 min
 Lab File: VF062025.D
 Acq: 19 Mar 2019 18:49

Tgt Ion:119 Resp: 35717
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.9 41.7
 91 26.9 10.4 31.1

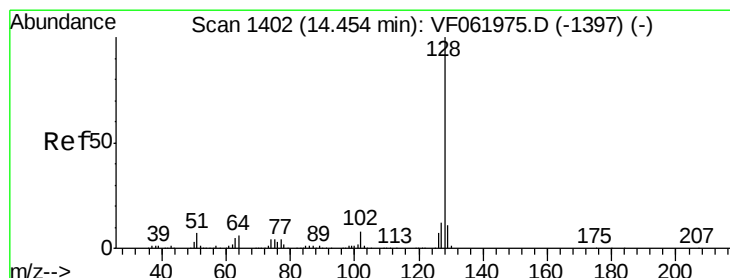
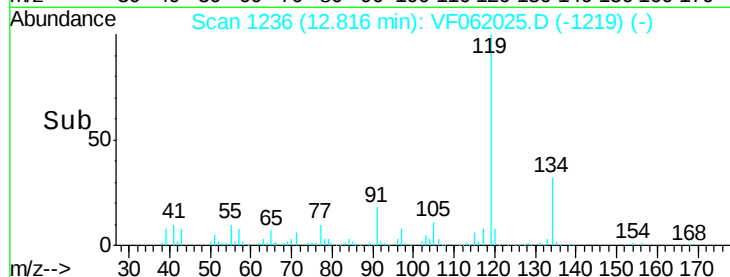
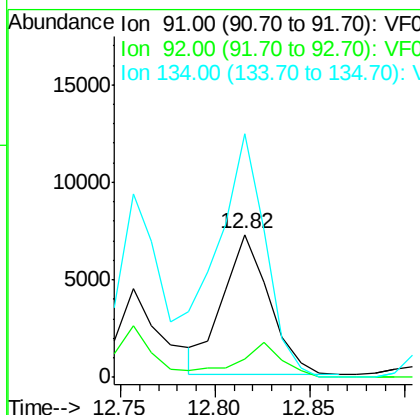
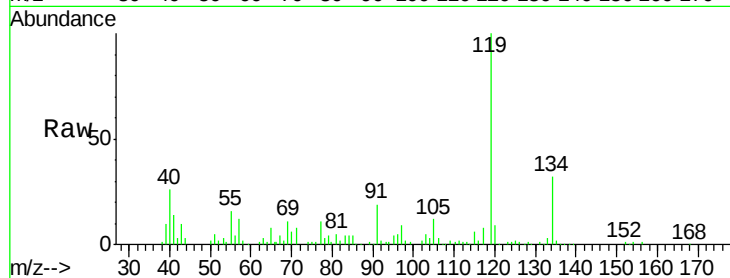




#89
n-Butylbenzene
Concen: 1.627 ug/l
RT: 12.82 min Scan# 1236
Delta R.T. -0.03 min
Lab File: VF062025.D
Acq: 19 Mar 2019 18:49

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 12183
Ion Ratio Lower Upper
91 100
92 12.7 31.7 95.1#
134 170.8 15.1 45.3#



#95
Naphthalene
Concen: 1.063 ug/l
RT: 14.45 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF062025.D
Acq: 19 Mar 2019 18:49

Tgt Ion: 128 Resp: 4695
Ion Ratio Lower Upper
128 100
127 32.7 9.3 13.9#
129 76.5 9.1 13.7#

