

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121018\
 Data File : VF060970.D
 Acq On : 10 Dec 2018 23:08
 Operator : VA/AP
 Sample : J6196-03RE
 Misc : 6.88g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 11 05:00:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	230106	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	404150	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	303672	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	136948	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	134975	49.79	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	99.58%	
35) Dibromofluoromethane	4.10	113	148621	46.35	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	92.70%	
50) Toluene-d8	7.55	98	276889	29.32	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	58.64%	
62) 4-Bromofluorobenzene	11.41	95	146320	34.09	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	68.18%	

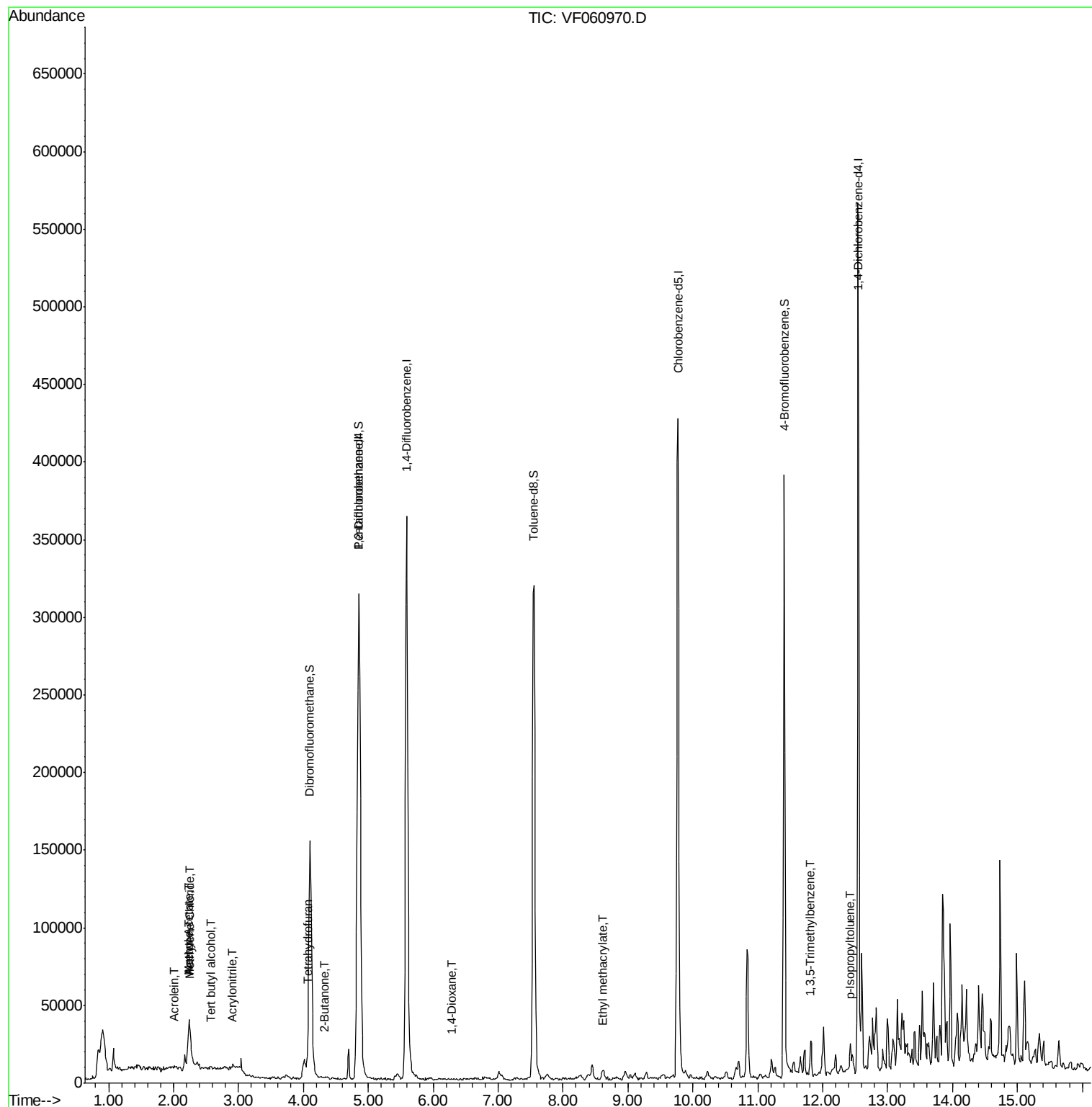
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.58	59	541	4.869	ug/l #	62
13) Acrolein	2.01	56	327	3.106	ug/l #	73
15) Acrylonitrile	2.90	53	549	2.204	ug/l #	51
16) Acetone	2.24	43	46584	93.192	ug/l	97
18) Methyl Acetate	2.24	43	44694	53.407	ug/l #	61
20) Methylene Chloride	2.25	84	7690	4.193	ug/l	96
25) 2-Butanone	4.32	43	2482	2.871	ug/l #	57
29) Tetrahydrofuran	4.06	42	504	1.375	ug/l #	50
41) Methacrylonitrile	4.77	41	339	Below Cal	#	17
43) Isopropyl Acetate	6.96	43	616	Below Cal	#	49
49) 1,4-Dioxane	6.27	88	85	7.043	ug/l #	1
56) Ethyl methacrylate	8.61	69	2817	1.251	ug/l #	67
80) 1,3,5-Trimethylbenzene	11.82	105	12215	1.390	ug/l	99
86) p-Isopropyltoluene	12.42	119	13332	1.298	ug/l	93
95) Naphthalene	14.46	128	6325	Below Cal	#	20

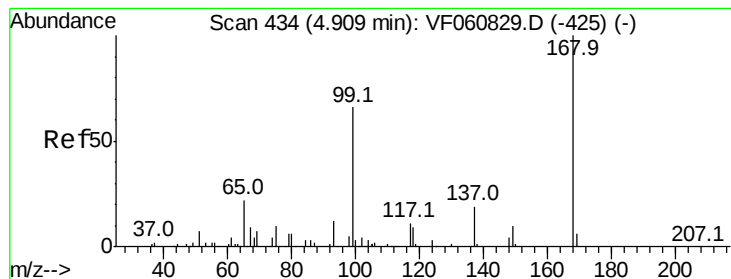
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121018\
Data File : VF060970.D
Acq On : 10 Dec 2018 23:08
Operator : VA/AP
Sample : J6196-03RE
Misc : 6.88q/5mL/MSVOA-F/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Dec 11 05:00:01 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.05 min

Lab File: VF060970.D

Acq: 10 Dec 2018 23:08

Instrument :

MSVOA_F

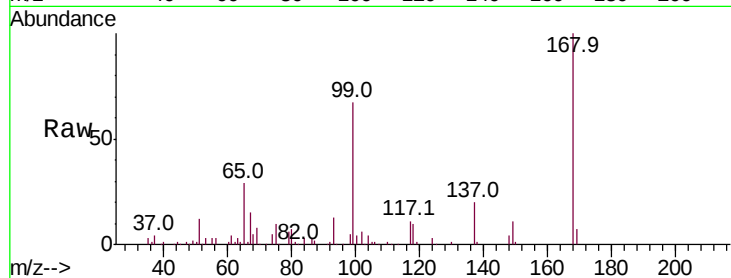
ClientSampleId :

Tot Ion:168 Resp: 230106

Ion Ratio Lower Upper

168 100

99 66.9 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

60000

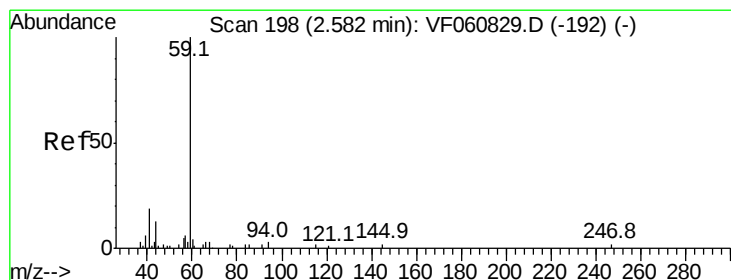
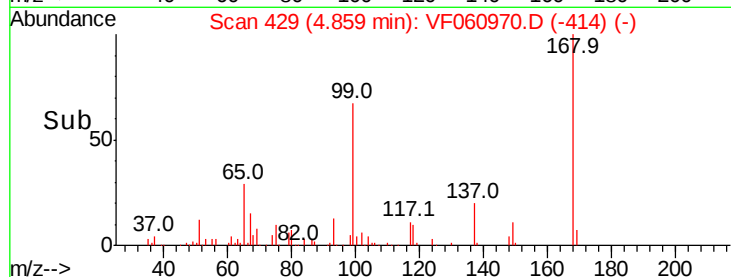
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#11

Tert butyl alcohol

Concen: 4.869 ug/l

RT: 2.58 min Scan# 198

Delta R.T. -0.00 min

Lab File: VF060970.D

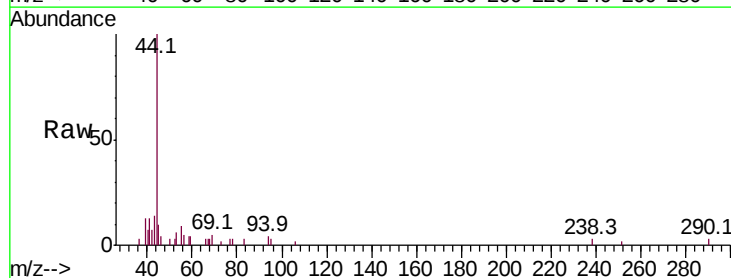
Acq: 10 Dec 2018 23:08

Tgt Ion: 59 Resp: 541

Ion Ratio Lower Upper

59 100

57 0.0 12.7 19.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.58

400

300

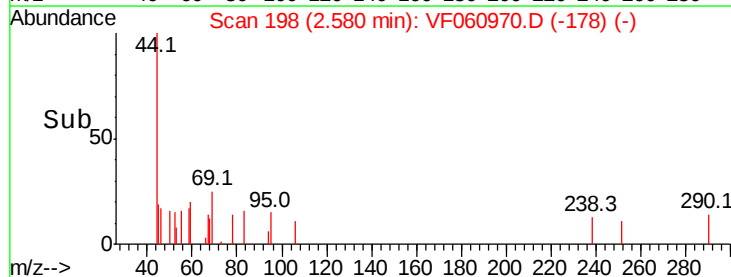
200

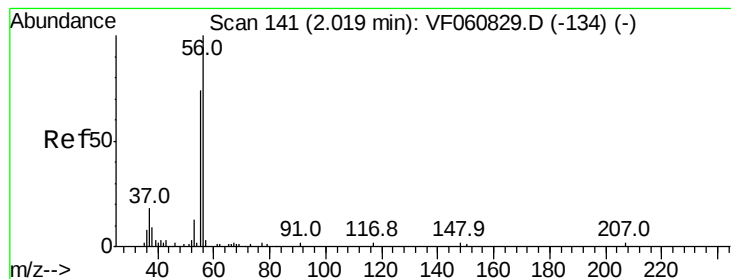
100

0

Time-->

2.50 2.55 2.60





#13

Acrolein

Concen: 3.106 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF060970.D

Acq: 10 Dec 2018 23:08

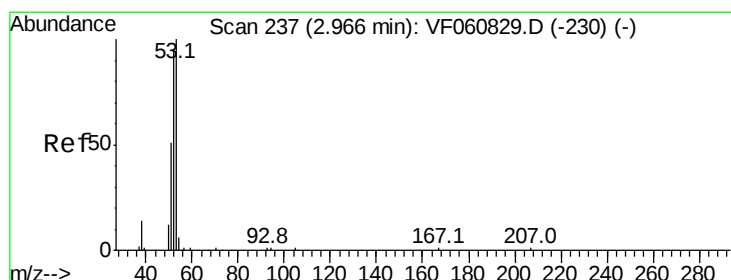
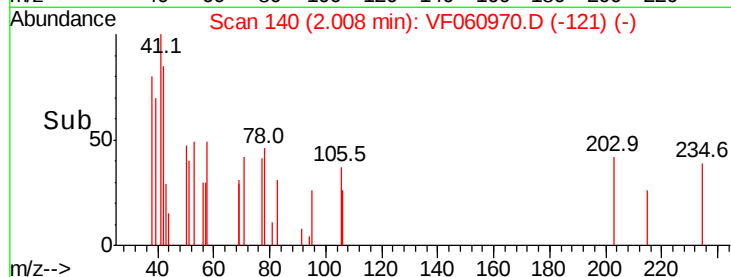
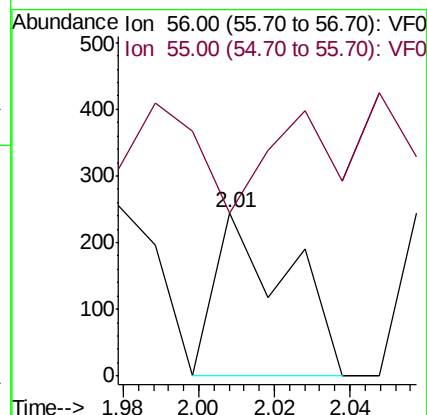
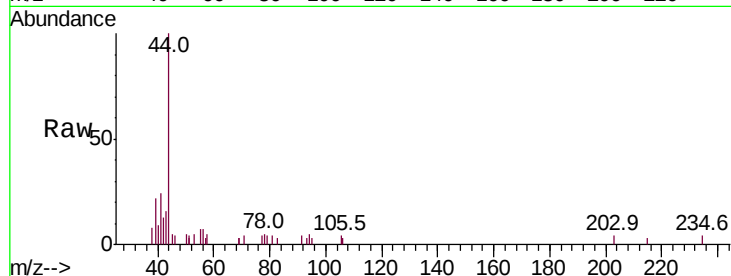
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 327

Ion Ratio Lower Upper

56 100

55 100.0 61.2 91.8#



#15

Acrylonitrile

Concen: 2.204 ug/l

RT: 2.90 min Scan# 230

Delta R.T. -0.07 min

Lab File: VF060970.D

Acq: 10 Dec 2018 23:08

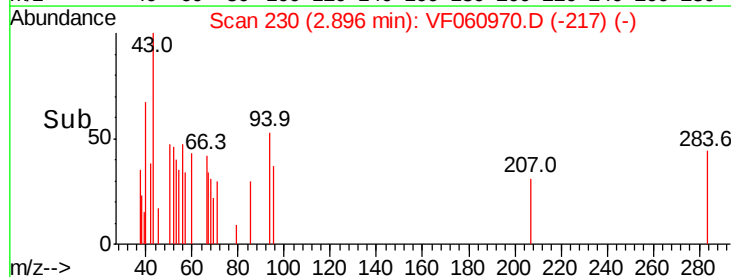
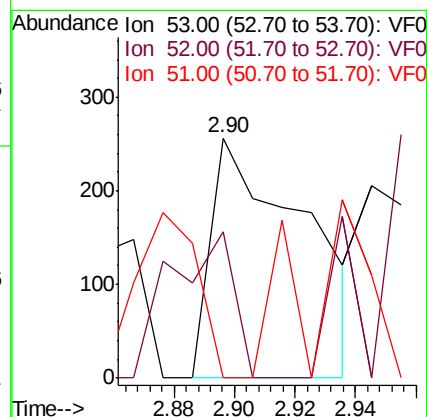
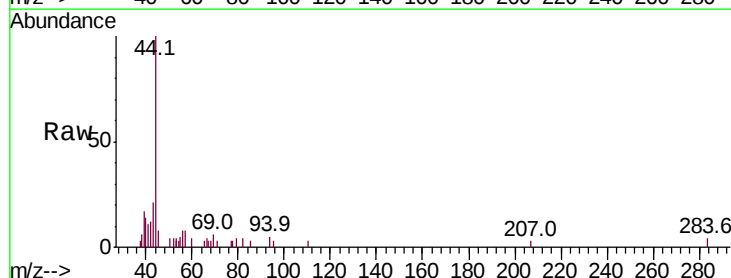
Tgt Ion: 53 Resp: 549

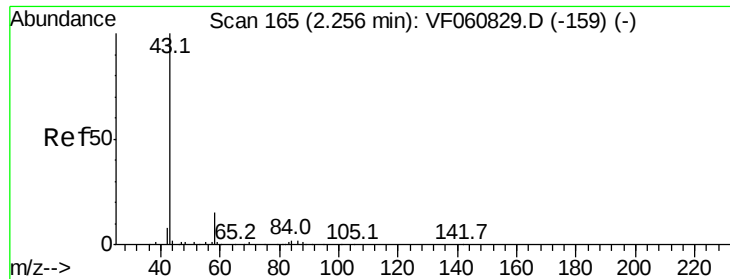
Ion Ratio Lower Upper

53 100

52 60.9 76.5 114.7#

51 0.0 40.7 61.1#





#16

Acetone

Concen: 93.192 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF060970.D

Acq: 10 Dec 2018 23:08

Instrument :

MSVOA_F

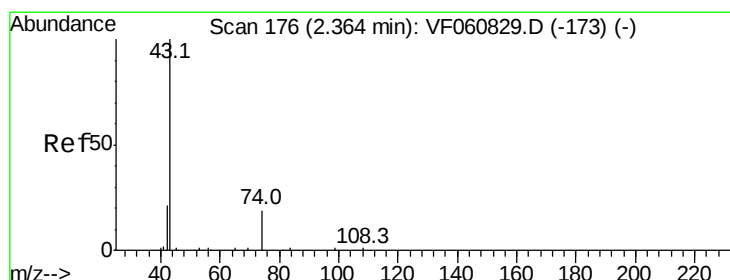
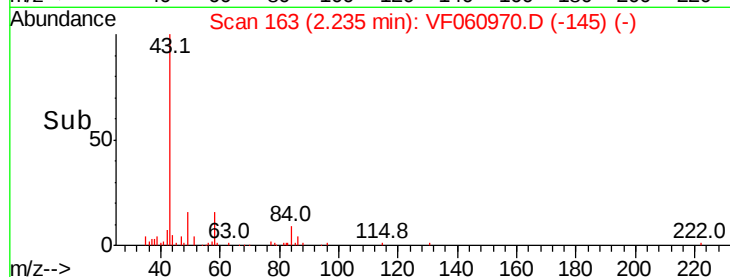
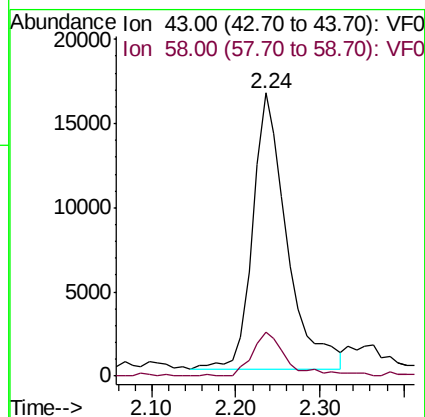
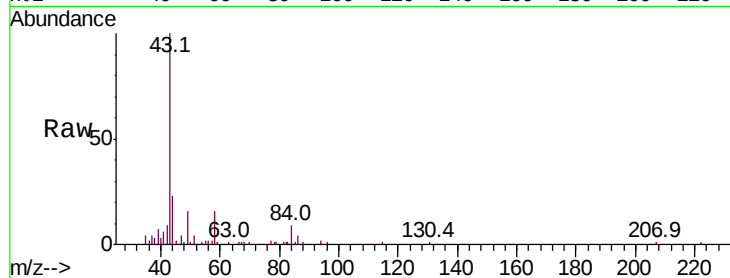
ClientSampleId :

Tot Ion: 43 Resp: 46584

Ion Ratio Lower Upper

43 100

58 15.7 11.4 17.2



#18

Methyl Acetate

Concen: 53.407 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.13 min

Lab File: VF060970.D

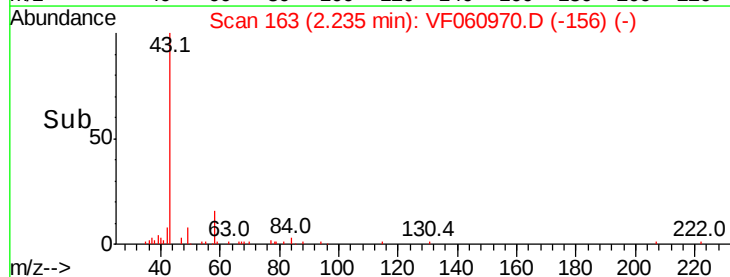
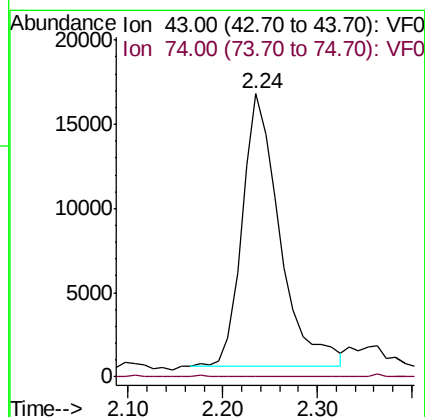
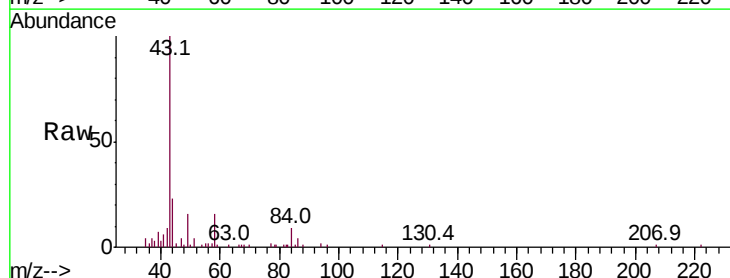
Acq: 10 Dec 2018 23:08

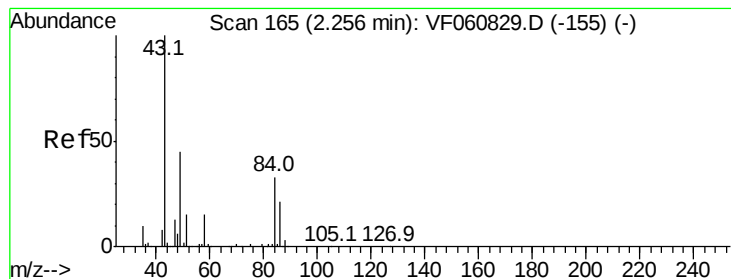
Tgt Ion: 43 Resp: 44694

Ion Ratio Lower Upper

43 100

74 0.0 13.3 19.9#





#20

Methylene Chloride

Concen: 4.193 ug/l

RT: 2.25 min Scan# 165

Delta R.T. -0.00 min

Lab File: VF060970.D

Acq: 10 Dec 2018 23:08

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 84 Resp: 7690

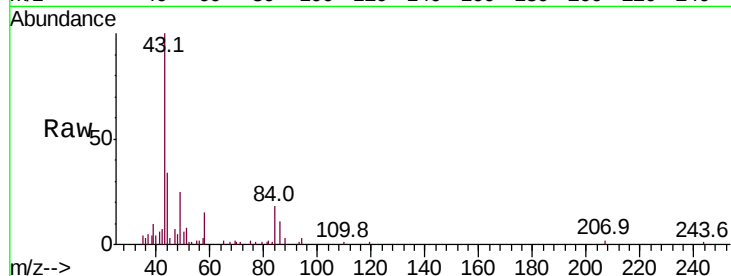
Ion Ratio Lower Upper

84 100

49 142.2 111.3 166.9

51 42.3 38.0 57.0

86 59.3 49.8 74.8

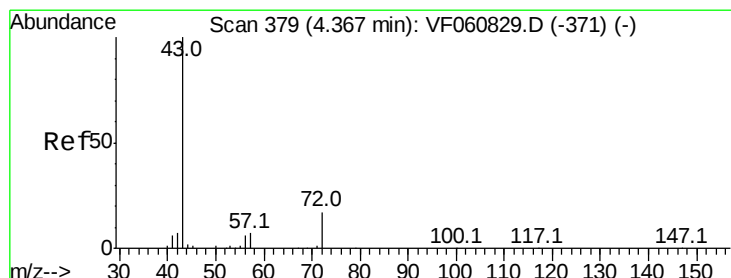
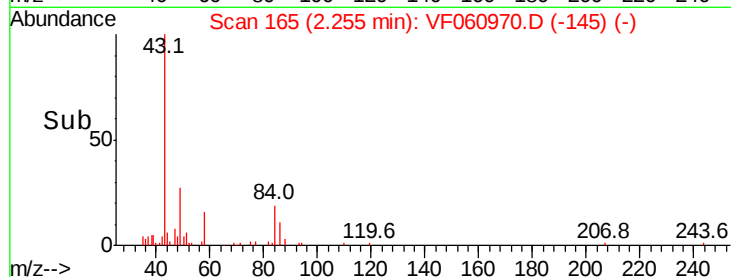
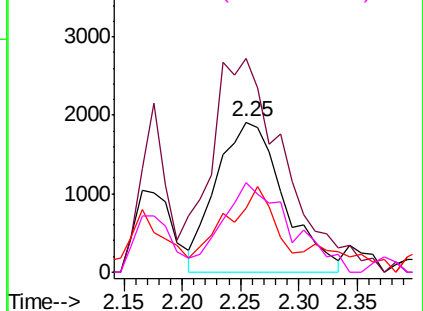


Abundance Ion 84.00 (83.70 to 84.70): VF0

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



#25

2-Butanone

Concen: 2.871 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.05 min

Lab File: VF060970.D

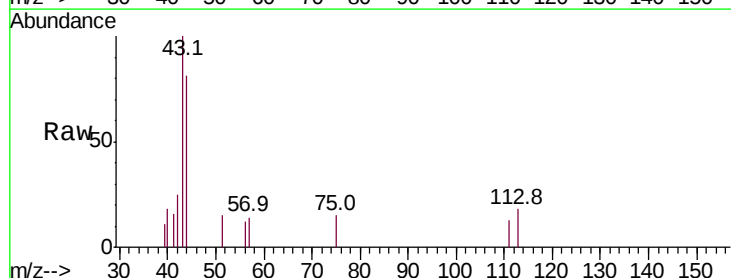
Acq: 10 Dec 2018 23:08

Tgt Ion: 43 Resp: 2482

Ion Ratio Lower Upper

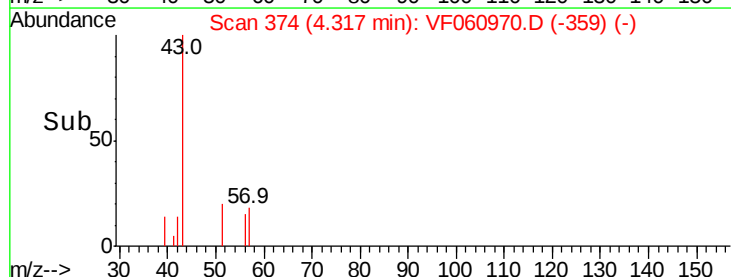
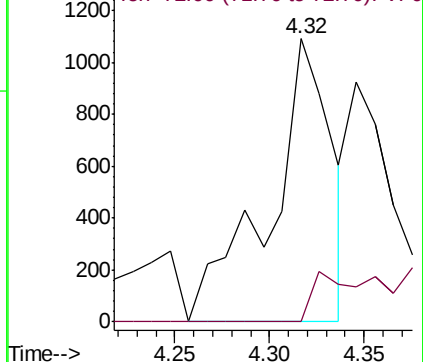
43 100

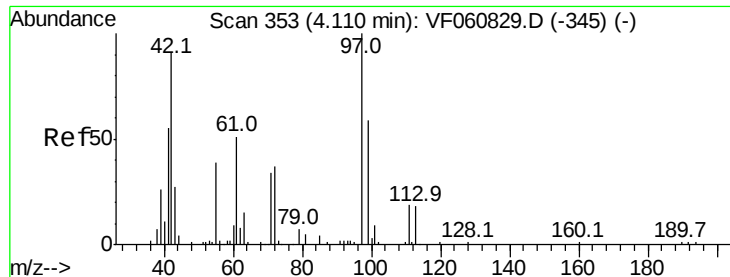
72 0.0 15.4 23.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#29

Tetrahydrofuran

Concen: 1.375 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.05 min

Lab File: VF060970.D

Acq: 10 Dec 2018 23:08

Instrument :

MSVOA_F

ClientSampleId :

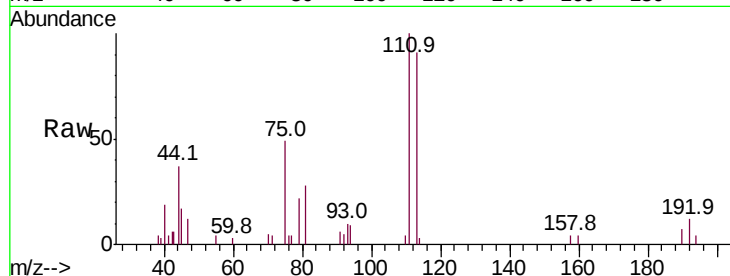
Tot Ion: 42 Resp: 504

Ion Ratio Lower Upper

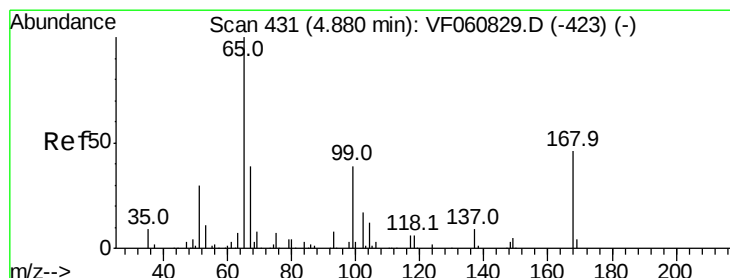
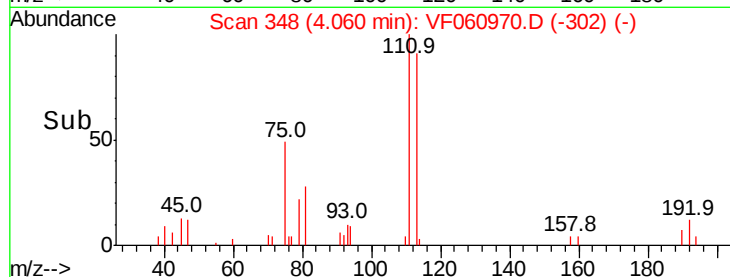
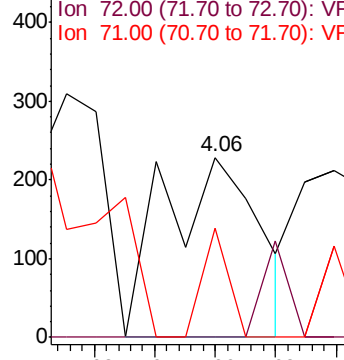
42 100

72 0.0 31.9 47.9#

71 16.3 28.7 43.1#



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: 49.793 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF060970.D

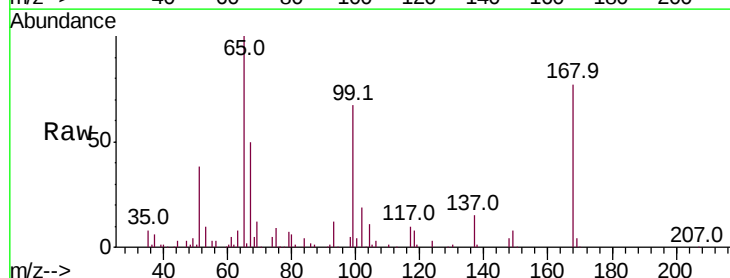
Acq: 10 Dec 2018 23:08

Tgt Ion: 65 Resp: 134975

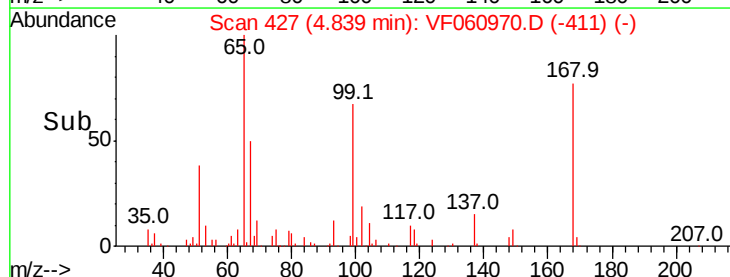
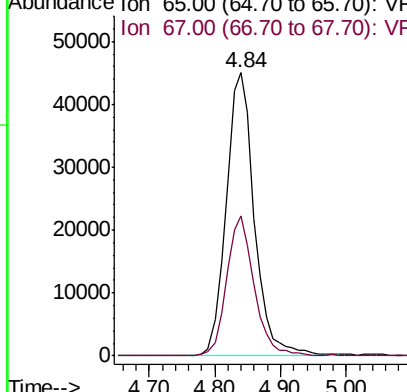
Ion Ratio Lower Upper

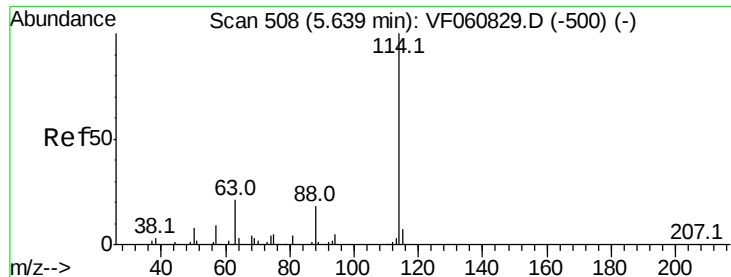
65 100

67 49.7 0.0 96.4



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. -0.05 min

Lab File: VF060970.D

Acq: 10 Dec 2018 23:08

Instrument :

MSVOA_F

ClientSampleId :

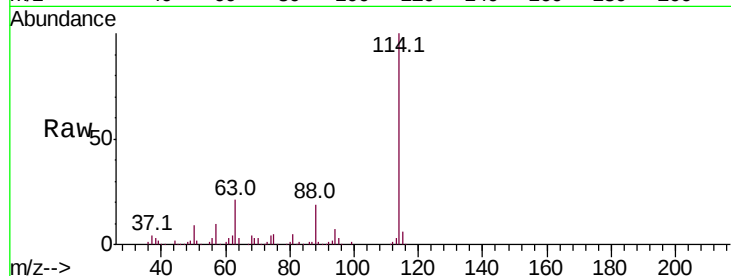
Tot Ion:114 Resp: 404150

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.6

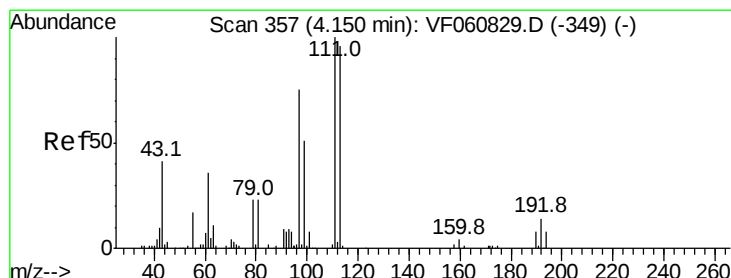
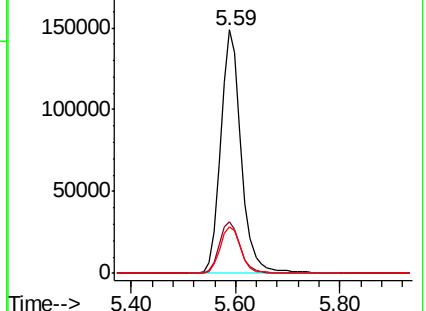
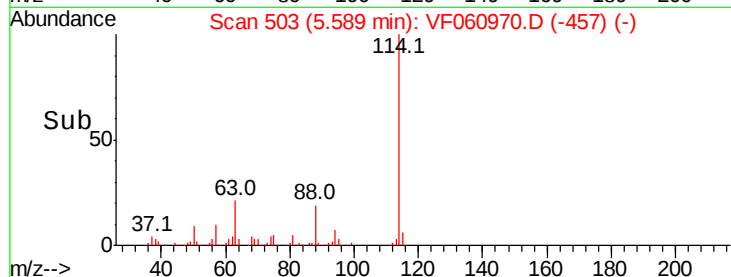
88 19.0 0.0 36.6



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: 46.354 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.05 min

Lab File: VF060970.D

Acq: 10 Dec 2018 23:08

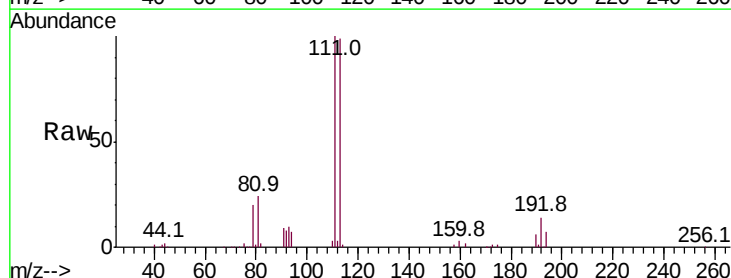
Tgt Ion:113 Resp: 148621

Ion Ratio Lower Upper

113 100

111 100.8 83.0 124.6

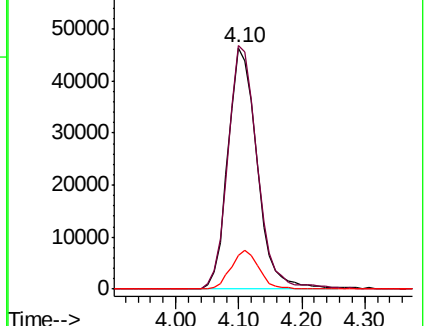
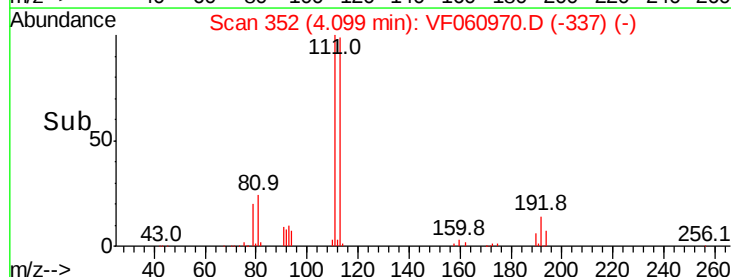
192 13.9 12.3 18.5

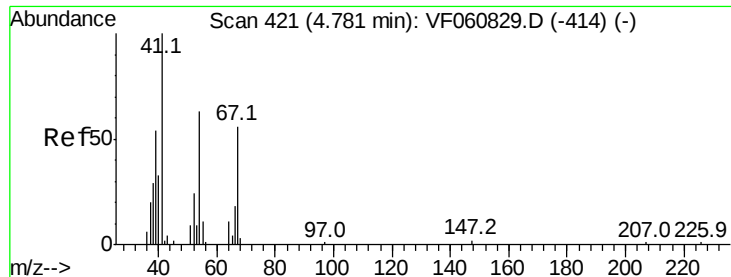


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

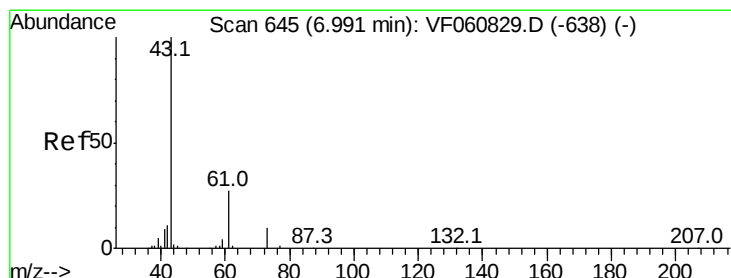
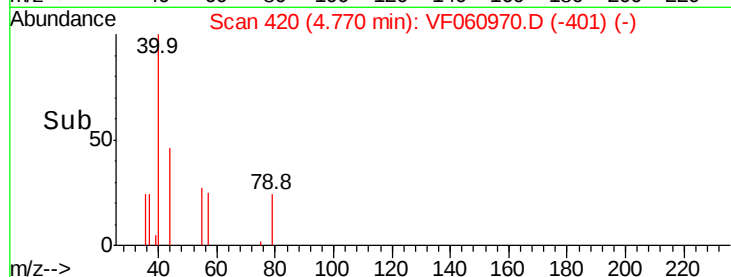
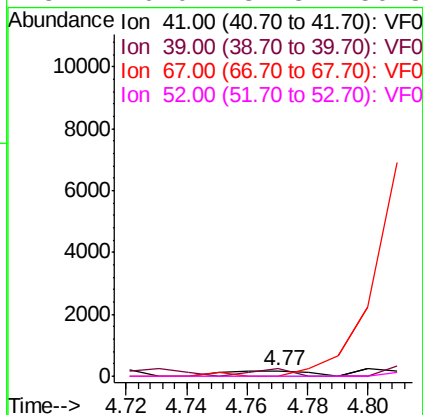
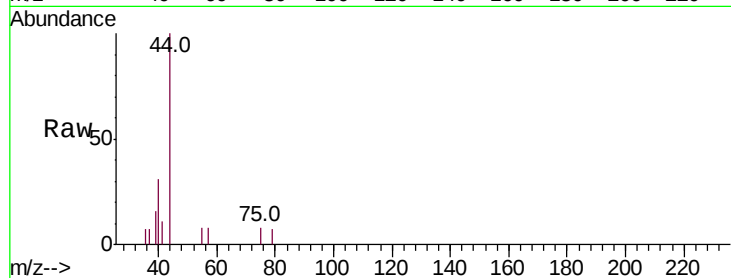




#41
Methacrylonitrile
Concen: Below Cal
RT: 4.77 min Scan# 420
Delta R.T. -0.01 min
Lab File: VF060970.D
Acq: 10 Dec 2018 23:08

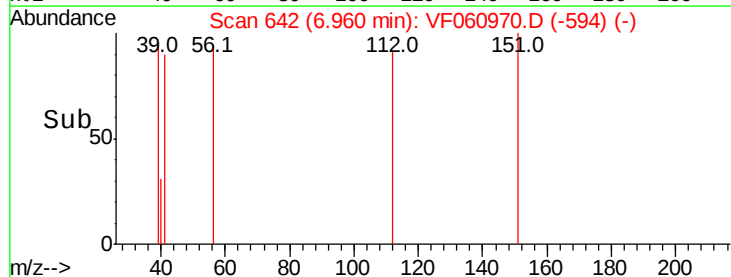
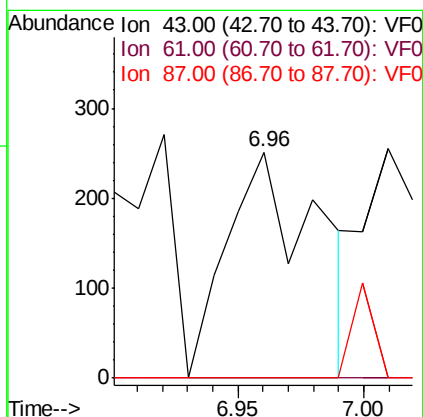
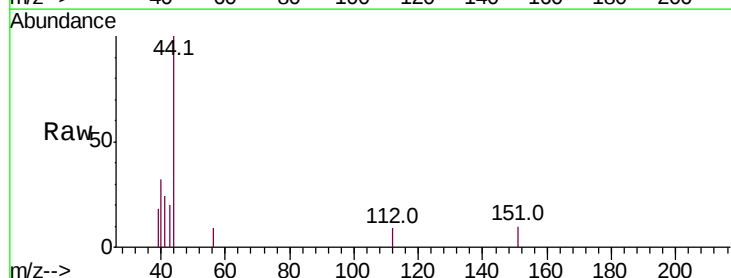
Instrument :
MSVOA_F
ClientSampled :

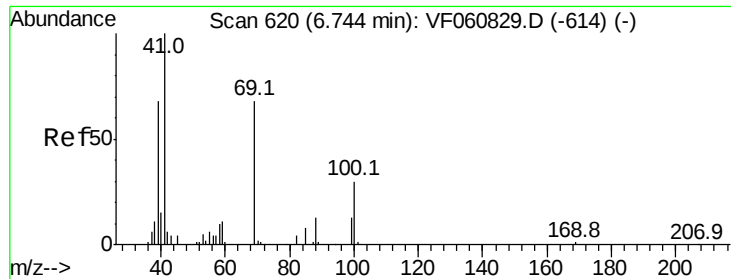
Tot Ion: 41 Resp: 339
Ion Ratio Lower Upper
41 100
39 145.0 53.0 79.6#
67 0.0 43.8 65.6#
52 0.0 37.8 56.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 6.96 min Scan# 642
Delta R.T. -0.03 min
Lab File: VF060970.D
Acq: 10 Dec 2018 23:08

Tgt Ion: 43 Resp: 616
Ion Ratio Lower Upper
43 100
61 0.0 21.4 32.0#
87 0.0 0.2 0.4#

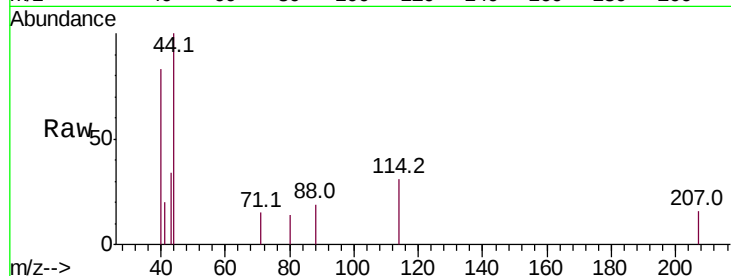




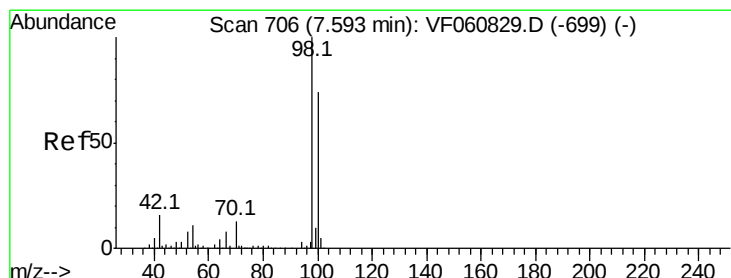
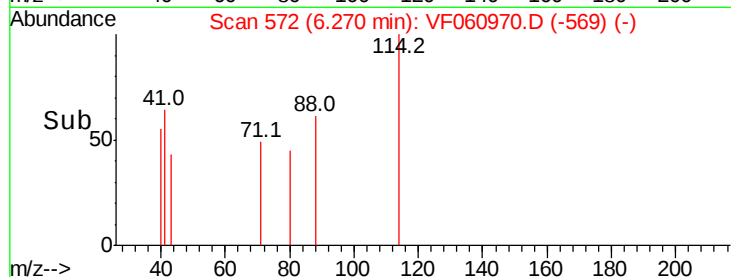
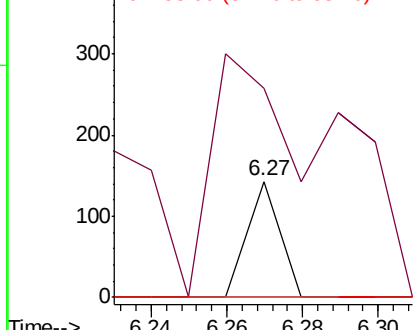
#49
1,4-Dioxane
Concen: 7.043 ug/l
RT: 6.27 min Scan# 572
Delta R.T. -0.47 min
Lab File: VF060970.D
Acq: 10 Dec 2018 23:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 85
Ion Ratio Lower Upper
88 100
43 179.7 42.0 63.0#
58 0.0 61.8 92.8#

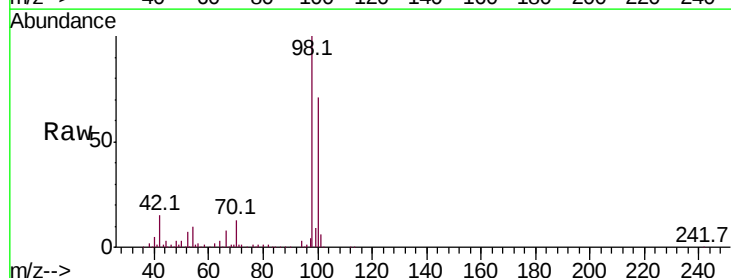


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

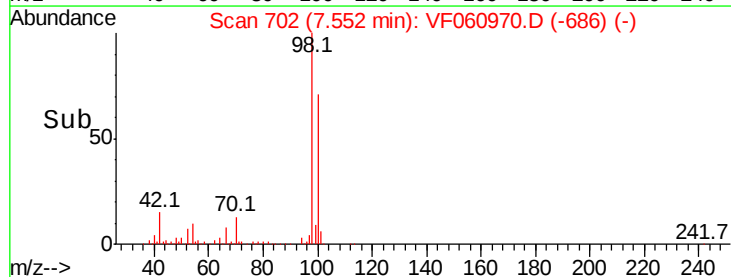
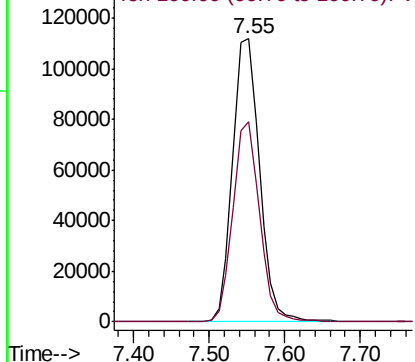


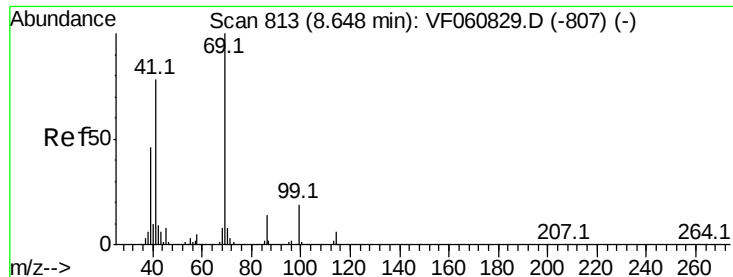
#50
Toluene-d8
Concen: 29.317 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.04 min
Lab File: VF060970.D
Acq: 10 Dec 2018 23:08

Tgt Ion: 98 Resp: 276889
Ion Ratio Lower Upper
98 100
100 70.6 59.3 88.9



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#56

Ethyl methacrylate

Concen: 1.251 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.04 min

Lab File: VF060970.D

Acq: 10 Dec 2018 23:08

Instrument :
MSVOA_F
ClientSampled :

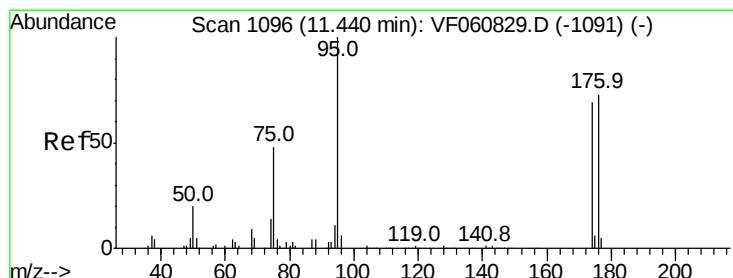
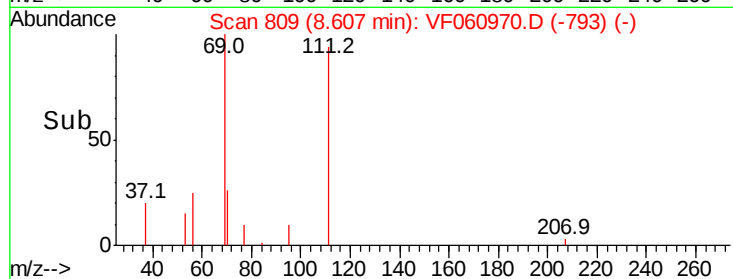
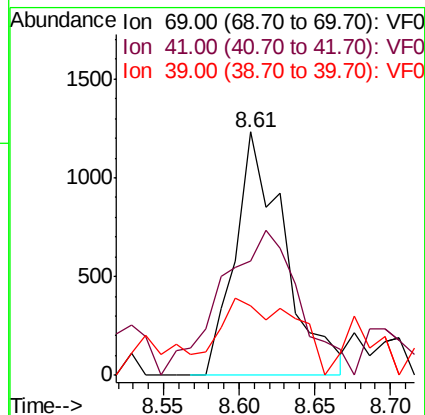
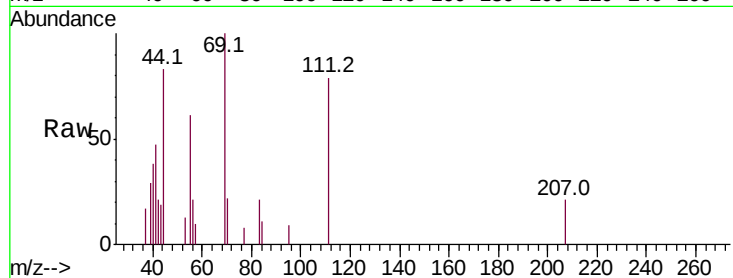
Tot Ion: 69 Resp: 2817

Ion Ratio Lower Upper

69 100

41 47.0 62.6 94.0#

39 28.7 37.8 56.6#



#62

4-Bromofluorobenzene

Concen: 34.088 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF060970.D

Acq: 10 Dec 2018 23:08

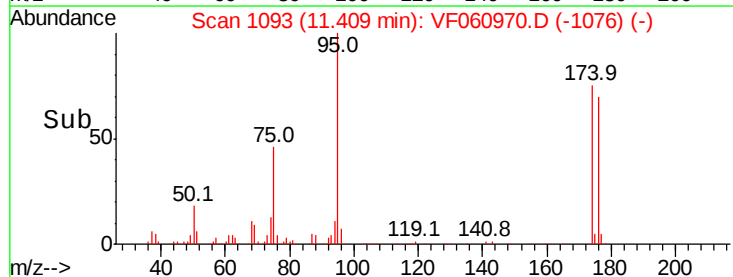
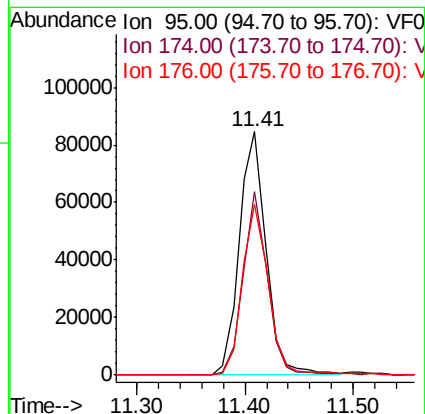
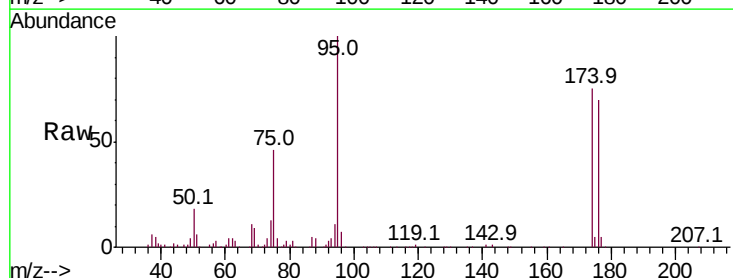
Tgt Ion: 95 Resp: 146320

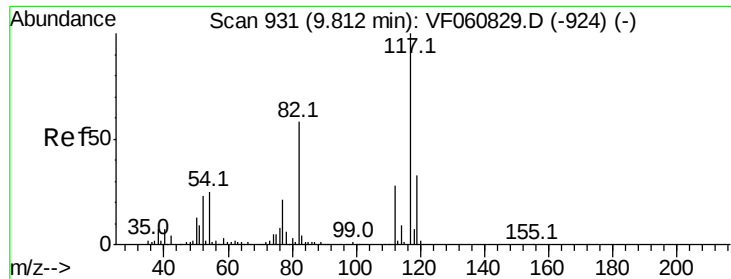
Ion Ratio Lower Upper

95 100

174 75.2 0.0 138.2

176 70.1 0.0 146.2

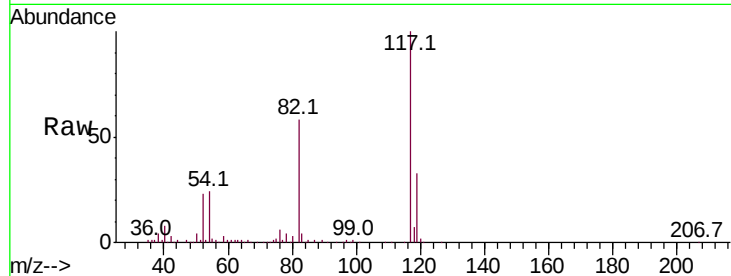




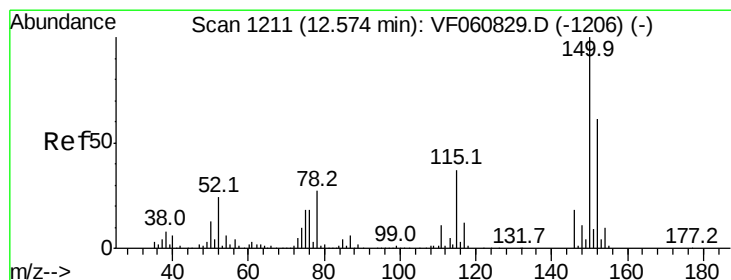
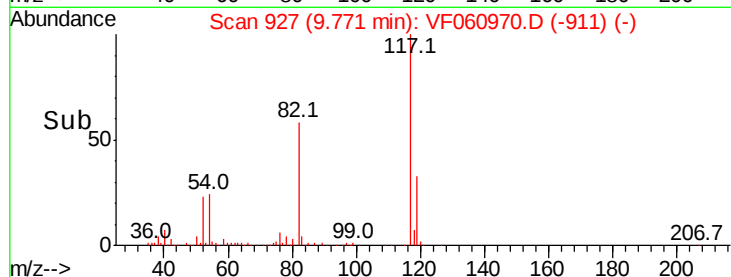
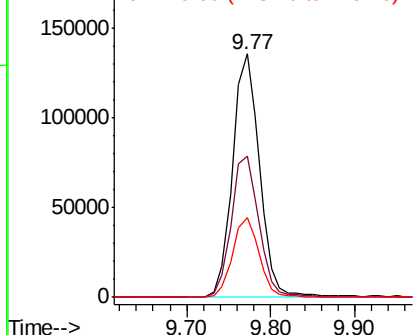
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF060970.D
Acq: 10 Dec 2018 23:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 303672
Ion Ratio Lower Upper
117 100
82 58.2 46.6 69.8
119 32.6 26.4 39.6

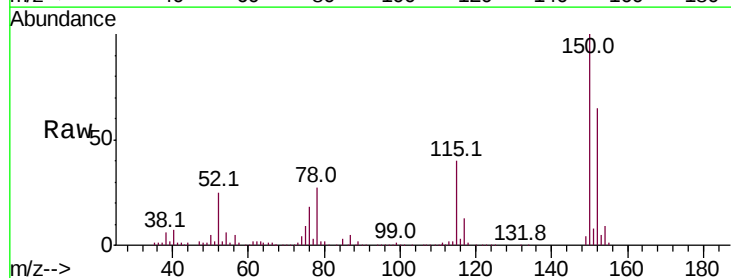


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

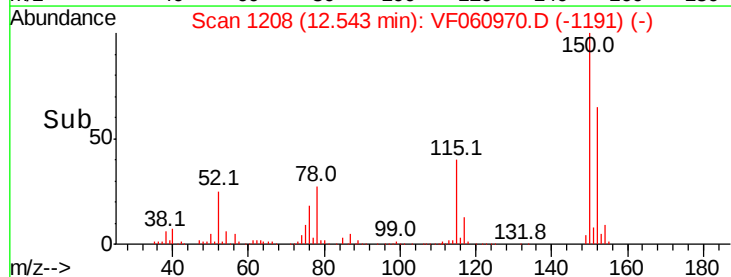
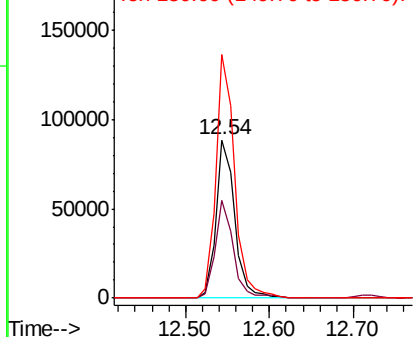


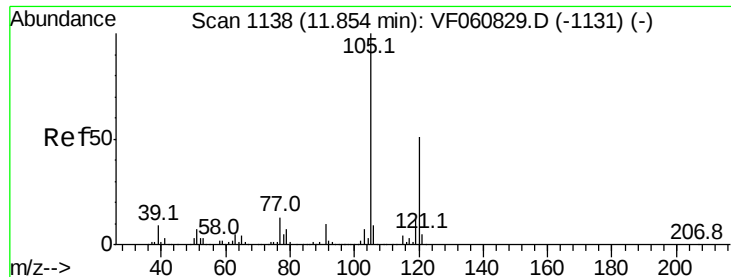
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.03 min
Lab File: VF060970.D
Acq: 10 Dec 2018 23:08

Tgt Ion:152 Resp: 136948
Ion Ratio Lower Upper
152 100
115 62.2 30.1 90.5
150 154.0 0.0 327.6



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





#80

1,3,5-Trimethylbenzene

Concen: 1.390 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.03 min

Lab File: VF060970.D

Acq: 10 Dec 2018 23:08

Instrument :

MSVOA_F

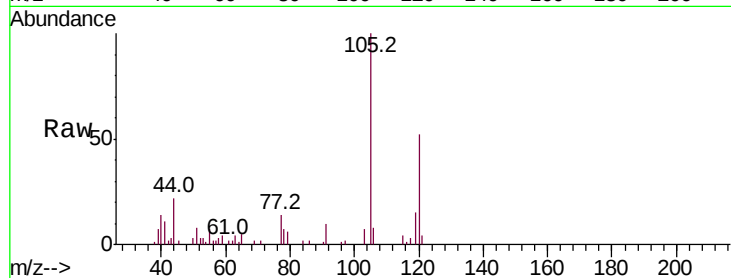
ClientSampleId :

Tot Ion:105 Resp: 12215

Ion Ratio Lower Upper

105 100

120 52.2 25.8 77.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

8000

6000

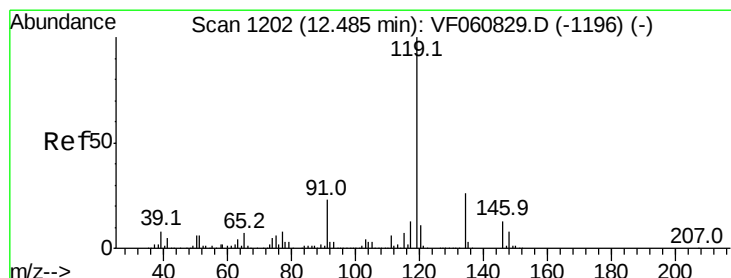
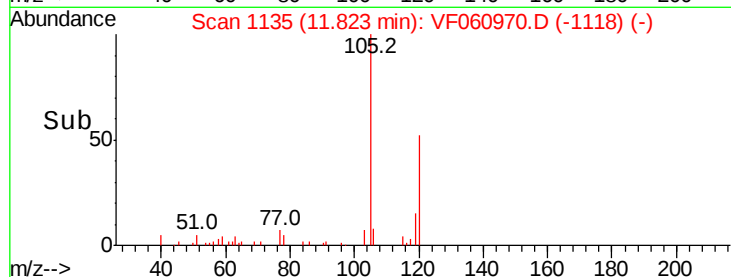
4000

2000

0

11.75 11.80 11.85 11.90

Time-->



#86

p-Isopropyltoluene

Concen: 1.298 ug/l

RT: 12.42 min Scan# 1196

Delta R.T. -0.06 min

Lab File: VF060970.D

Acq: 10 Dec 2018 23:08

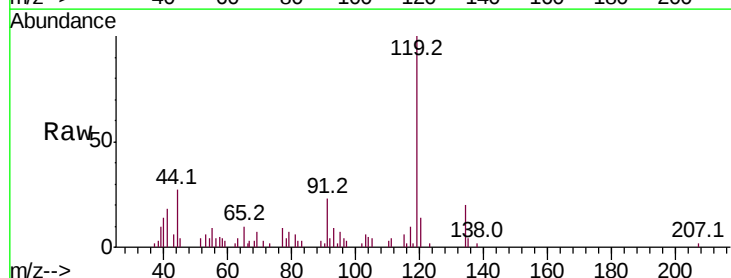
Tgt Ion:119 Resp: 13332

Ion Ratio Lower Upper

119 100

134 19.7 12.9 38.6

91 23.0 11.8 35.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

8000

6000

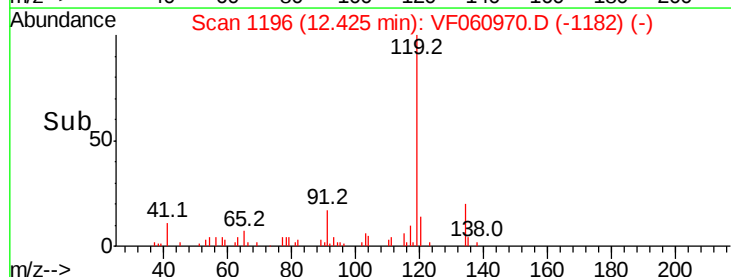
4000

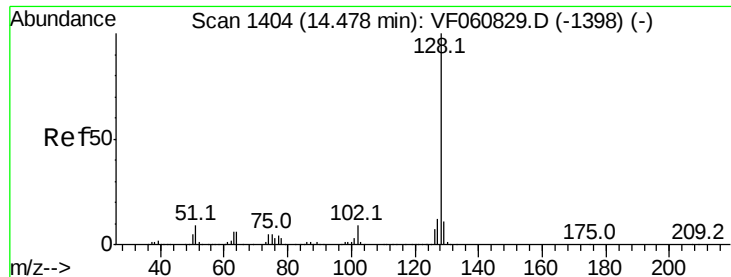
2000

0

12.40 12.50

Time-->





#95
Naphthalene
Concen: Below Cal
RT: 14.46 min Scan# 1402
Delta R.T. -0.02 min
Lab File: VF060970.D
Acq: 10 Dec 2018 23:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	25.9	9.9	14.9#
129	60.7	9.1	13.7#

