

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059736.D
 Acq On : 1 Aug 2018 5:31
 Operator : VA/AP
 Sample : J3825-15
 Misc : 5.53g/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 01 07:39:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	194378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	289698	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	245886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	127390	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	168589	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
35) Dibromofluoromethane	4.28	113	132350	43.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.98%	
50) Toluene-d8	7.71	98	233183	33.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.46%	
62) 4-Bromofluorobenzene	11.52	95	115954	29.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	141	Below Cal	#	44
3) Chloromethane	1.09	50	658	Below Cal	#	38
4) Vinyl Chloride	1.04	62	109	Below Cal	#	47
5) Bromomethane	1.30	94	245	Below Cal	#	4
6) Chloroethane	1.42	64	69	Below Cal	#	27
10) Methyl Iodide	2.00	142	70	Below Cal	#	20
11) Tert butyl alcohol	2.66	59	1118	6.516	ug/l #	74
13) Acrolein	2.11	56	101	17.346	ug/l #	4
15) Acrylonitrile	3.07	53	432	1.976	ug/l	95
16) Acetone	2.32	43	21051	33.502	ug/l #	93
17) Carbon Disulfide	1.84	76	150	Below Cal	#	71
18) Methyl Acetate	2.44	43	926	Below Cal	#	64
20) Methylene Chloride	2.26	84	4398	Below Cal		82
21) trans-1,2-Dichloroethene	2.40	96	321	Below Cal	#	29
28) Bromochloromethane	3.96	49	79	Below Cal	#	15
29) Tetrahydrofuran	4.26	42	610	2.263	ug/l #	39
31) Cyclohexane	3.96	56	69	Below Cal	#	1
36) 1,1-Dichloropropene	4.47	75	367	Below Cal	#	46
37) Ethyl Acetate	4.30	43	133	Below Cal	#	19
41) Methacrylonitrile	4.90	41	61	Below Cal	#	1
44) Trichloroethene	5.66	130	60	Below Cal		2
49) 1,4-Dioxane	6.69	88	95	Below Cal	#	45
52) Toluene	7.77	92	339	Below Cal	#	69
64) Tetrachloroethene	8.29	164	65	Below Cal	#	32
78) n-propylbenzene	11.68	91	286	Below Cal	#	54
79) 2-Chlorotoluene	11.81	91	101	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	11.91	105	160	Below Cal	#	31
82) 4-Chlorotoluene	11.99	91	432	Below Cal	#	44
84) 1,2,4-Trimethylbenzene	12.30	105	342	Below Cal	#	33
85) sec-Butylbenzene	12.38	105	150	Below Cal	#	57
86) p-Isopropyltoluene	12.55	119	97	Below Cal	#	49
87) 1,3-Dichlorobenzene	12.56	146	481	Below Cal	#	24
88) 1,4-Dichlorobenzene	12.64	146	363	Below Cal	#	1
89) n-Butylbenzene	12.93	91	277	Below Cal	#	78

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Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration

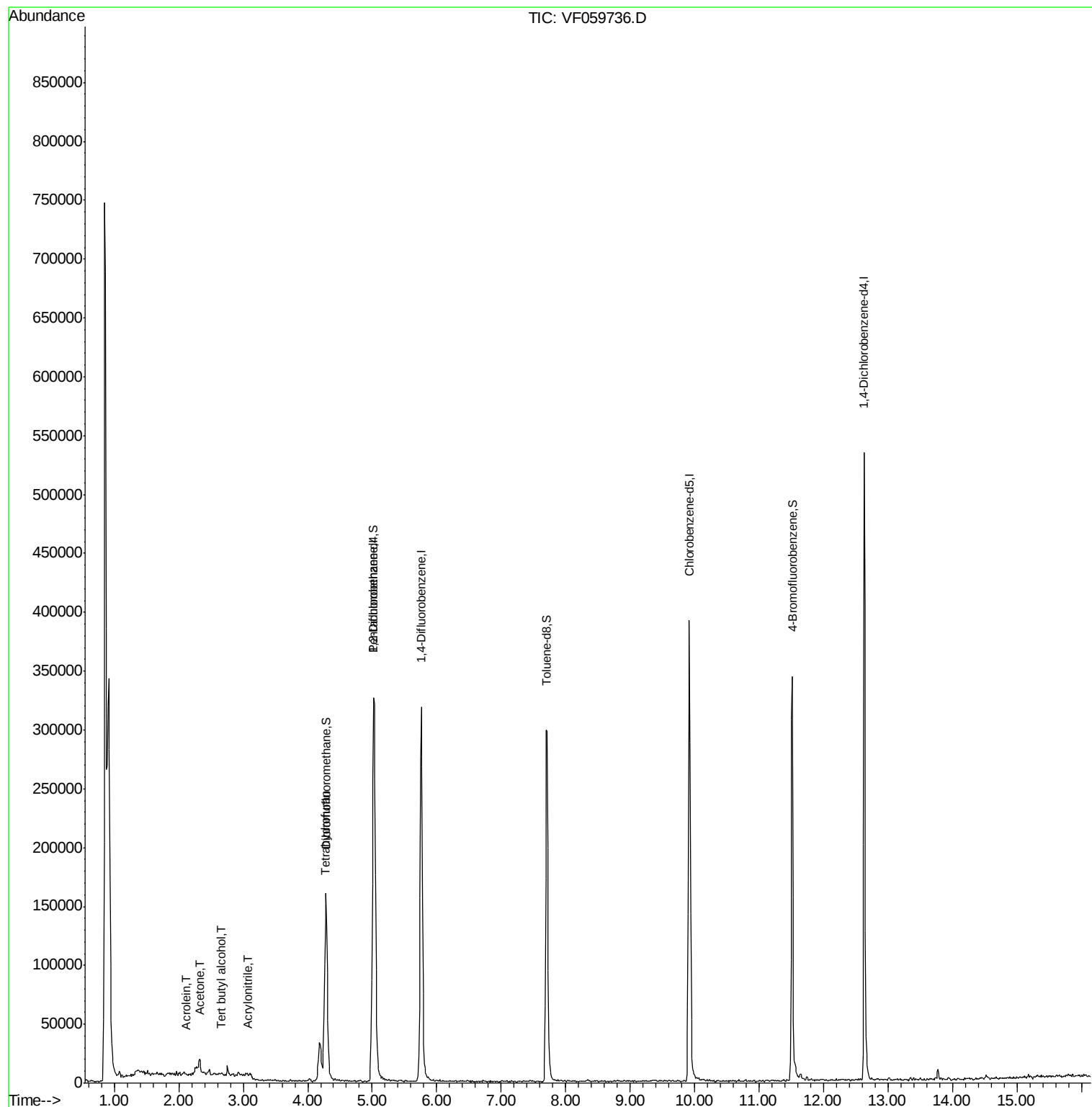
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) 1,2-Dichlorobenzene	13.02	146	266	Below Cal	#	24
93) 1,2,4-Trichlorobenzene	14.28	180	67	Below Cal	#	57

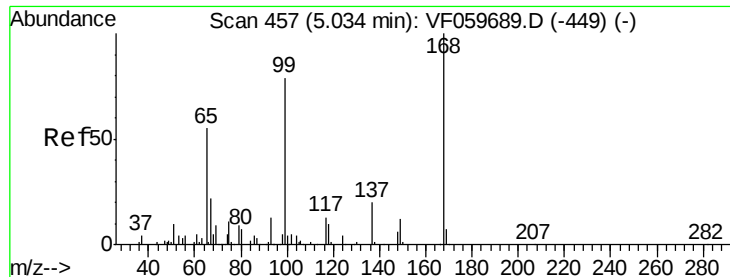
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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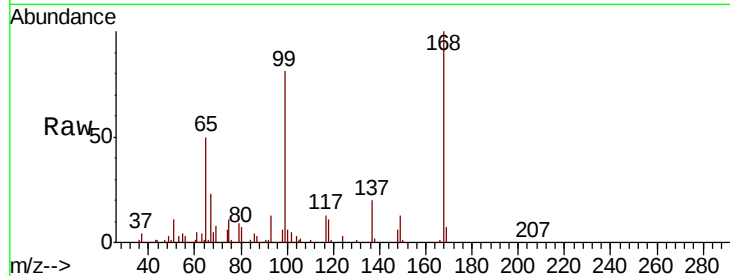


#1

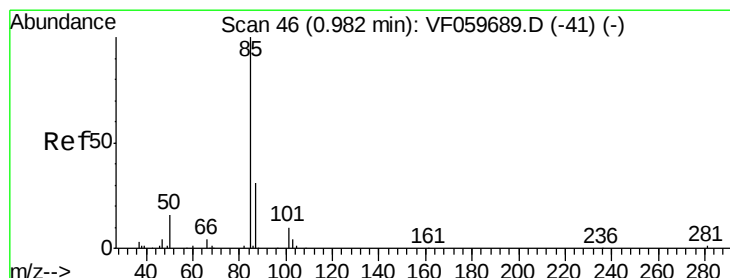
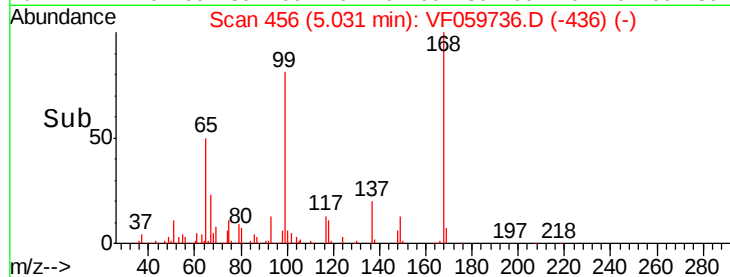
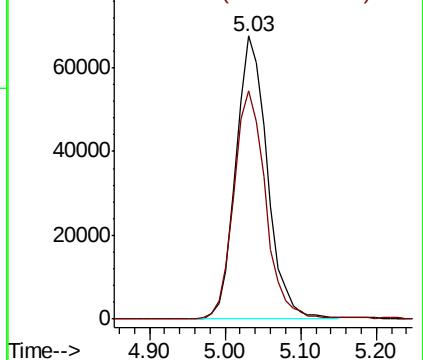
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: VF059736.D
 Acq: 1 Aug 2018 5:31

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:168 Resp: 194378
 Ion Ratio Lower Upper
 168 100
 99 80.7 63.3 94.9



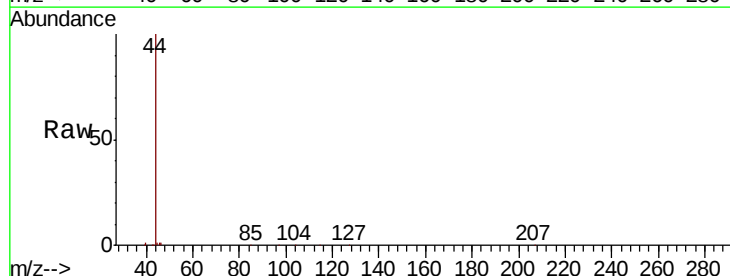
Abundance Ion 168.00 (167.70 to 168.70): VF0
 Ion 99.00 (98.70 to 99.70): VF0



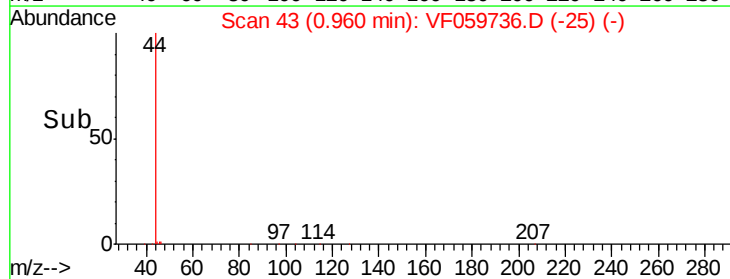
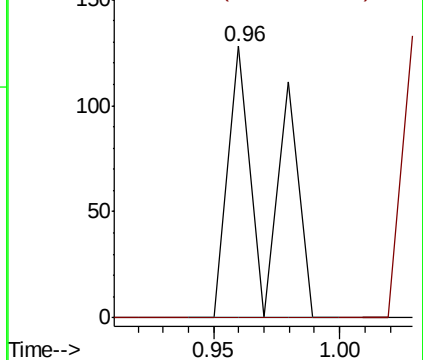
#2

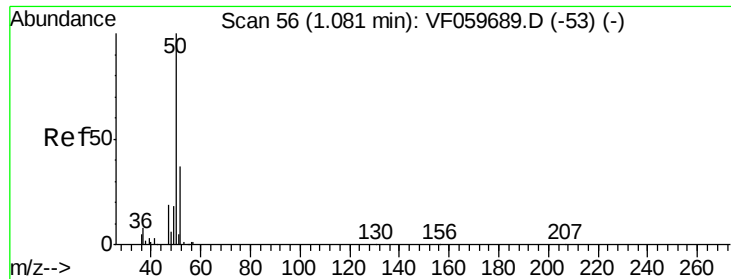
Dichlorodifluoromethane
 Concen: Below Cal
 RT: 0.96 min Scan# 43
 Delta R.T. -0.02 min
 Lab File: VF059736.D
 Acq: 1 Aug 2018 5:31

Tgt Ion: 85 Resp: 141
 Ion Ratio Lower Upper
 85 100
 87 0.0 15.3 45.8#



Abundance Ion 85.00 (84.70 to 85.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: Below Cal

RT: 1.09 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF059736.D

Acq: 1 Aug 2018 5:31

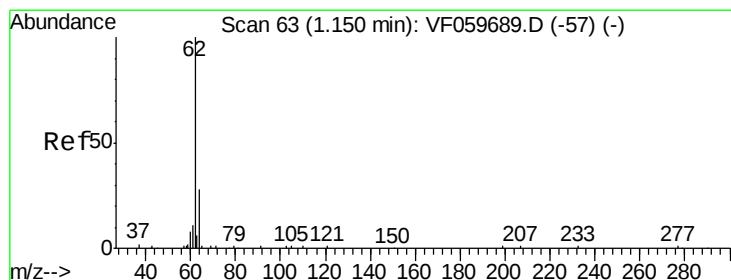
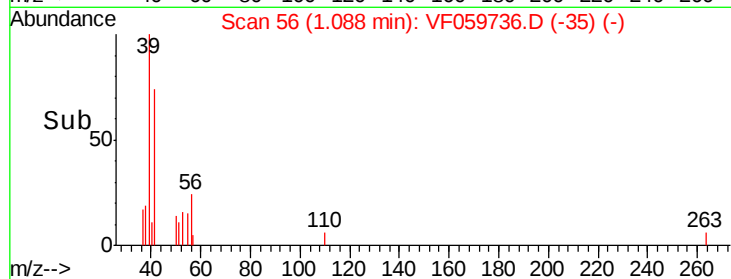
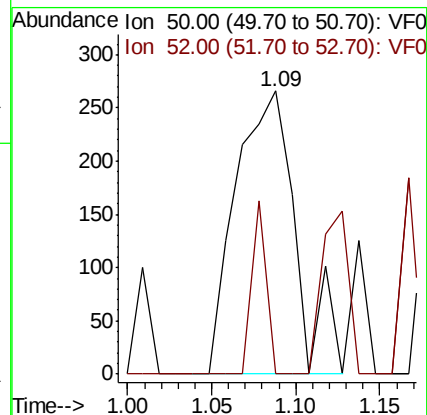
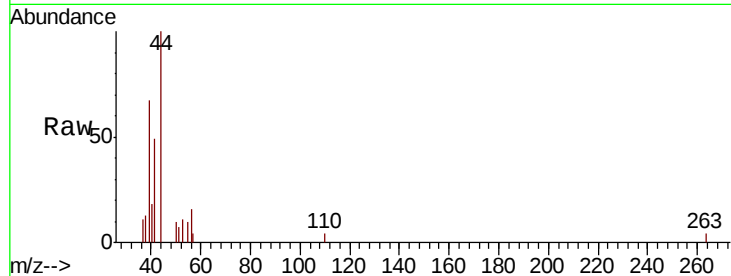
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 50 Resp: 658

Ion Ratio Lower Upper

50 100

52 0.0 29.1 43.7#



#4

Vinyl Chloride

Concen: Below Cal

RT: 1.04 min Scan# 51

Delta R.T. -0.11 min

Lab File: VF059736.D

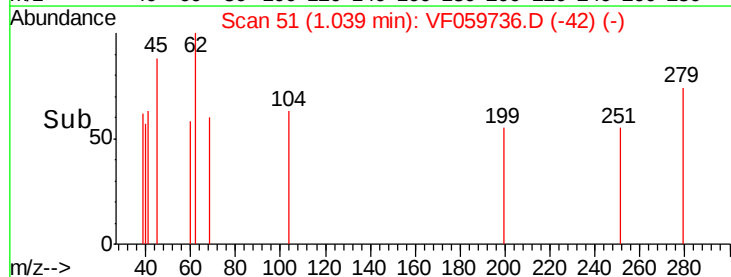
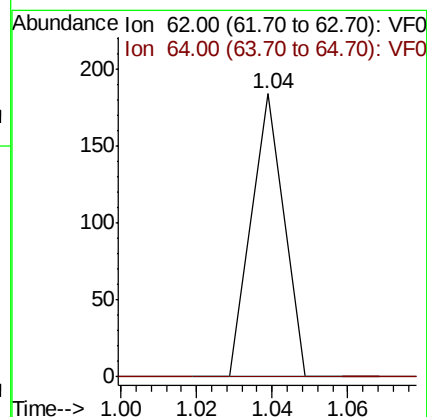
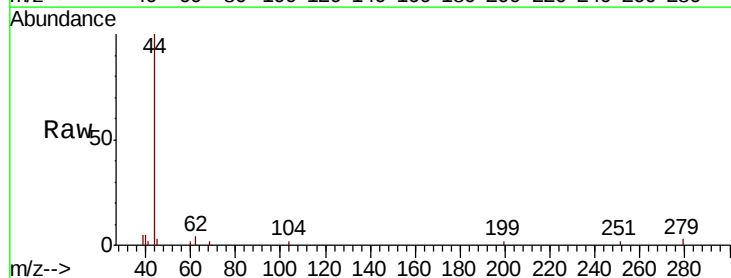
Acq: 1 Aug 2018 5:31

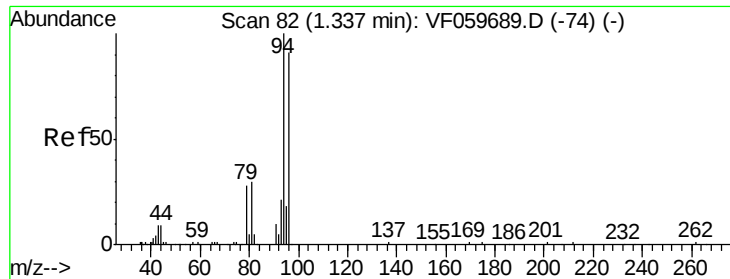
Tgt Ion: 62 Resp: 109

Ion Ratio Lower Upper

62 100

64 0.0 22.6 33.8#





#5

Bromomethane

Concen: Below Cal

RT: 1.30 min Scan# 78

Delta R.T. -0.03 min

Lab File: VF059736.D

Acq: 1 Aug 2018 5:31

Instrument :

MSVOA_F

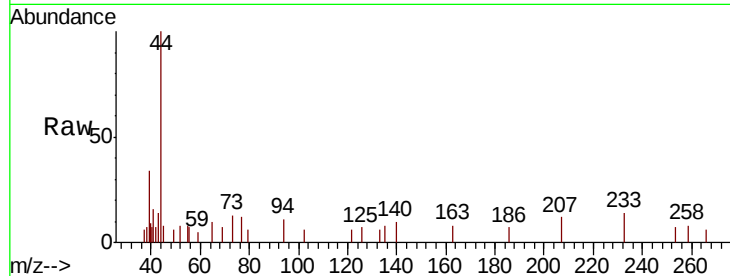
ClientSampled :

Tot Ion: 94 Resp: 245

Ion Ratio Lower Upper

94 100

96 0.0 73.6 110.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.30

200

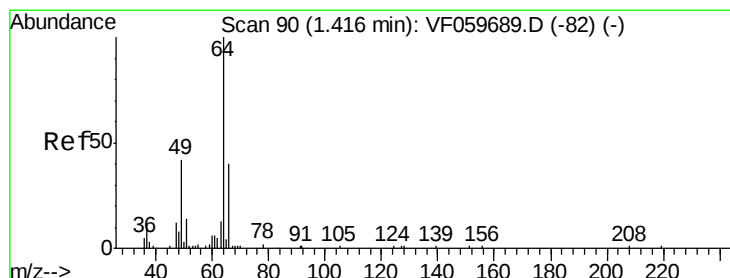
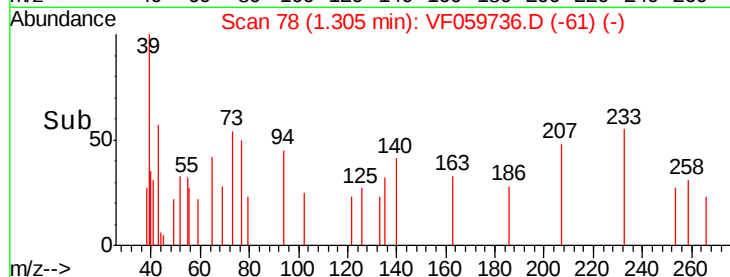
150

100

50

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.42 min Scan# 90

Delta R.T. 0.01 min

Lab File: VF059736.D

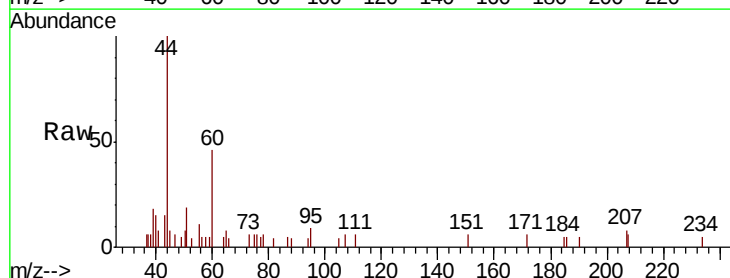
Acq: 1 Aug 2018 5:31

Tgt Ion: 64 Resp: 69

Ion Ratio Lower Upper

64 100

66 86.3 32.6 49.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

200

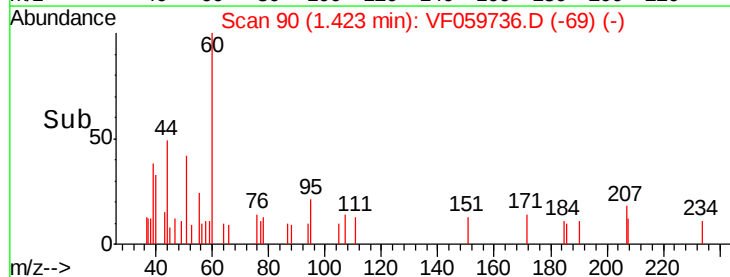
150

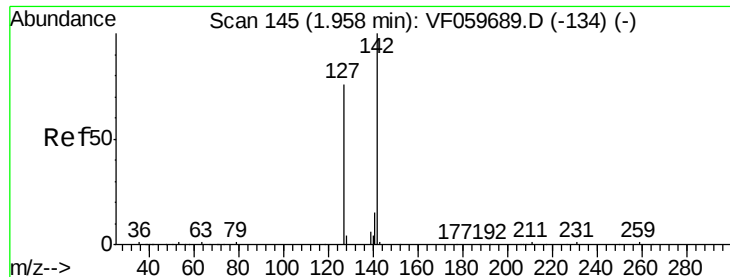
100

50

0

Time-->

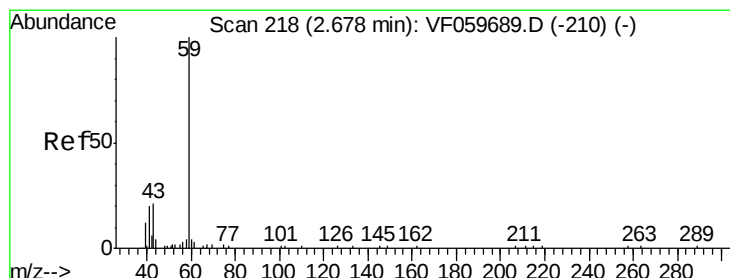
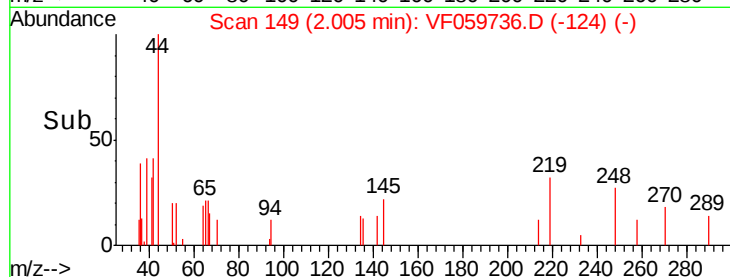
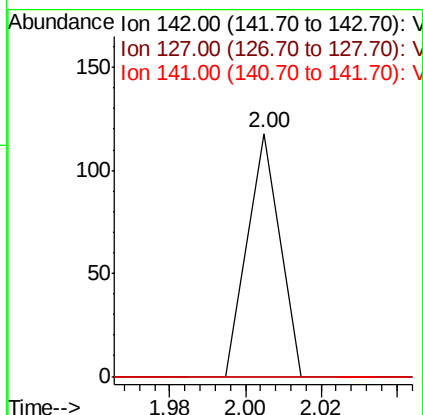
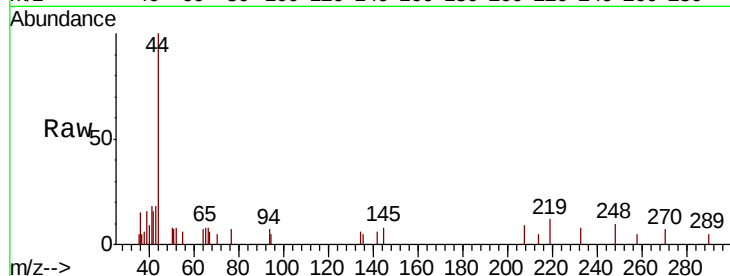




#10
Methyl Iodide
Concen: Below Cal
RT: 2.00 min Scan# 149
Delta R.T. 0.05 min
Lab File: VF059736.D
Acq: 1 Aug 2018 5:31

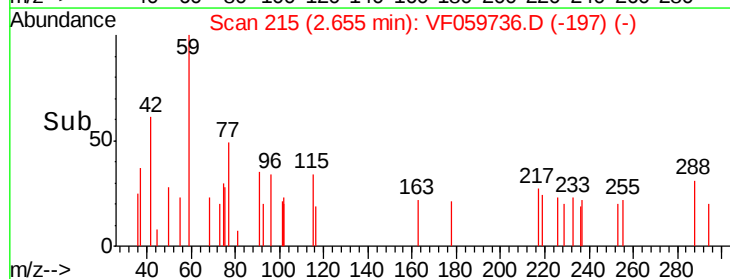
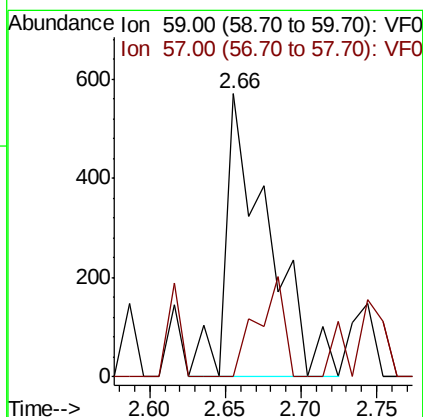
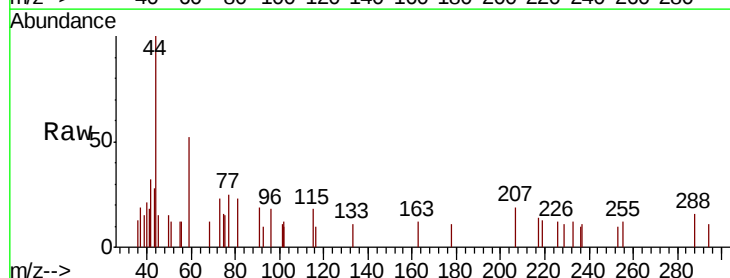
Instrument :
MSVOA_F
ClientSampleId :

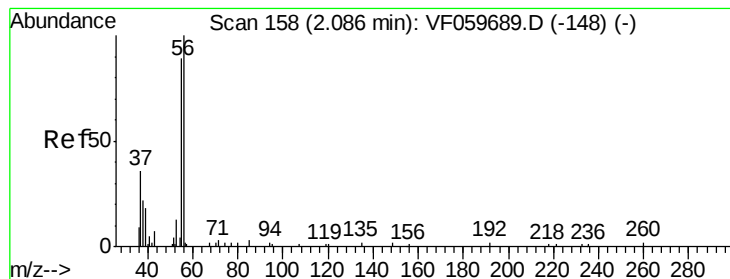
Tot Ion:142 Resp: 70
Ion Ratio Lower Upper
142 100
127 0.0 60.6 91.0#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 6.516 ug/l
RT: 2.66 min Scan# 215
Delta R.T. -0.02 min
Lab File: VF059736.D
Acq: 1 Aug 2018 5:31

Tgt Ion: 59 Resp: 1118
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#





#13

Acrolein

Concen: 17.346 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.03 min

Lab File: VF059736.D

Acq: 1 Aug 2018 5:31

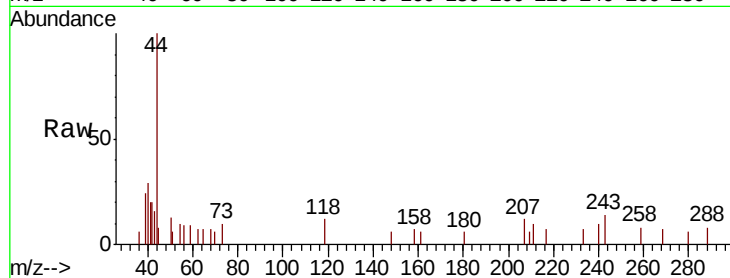
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 101

Ion Ratio Lower Upper

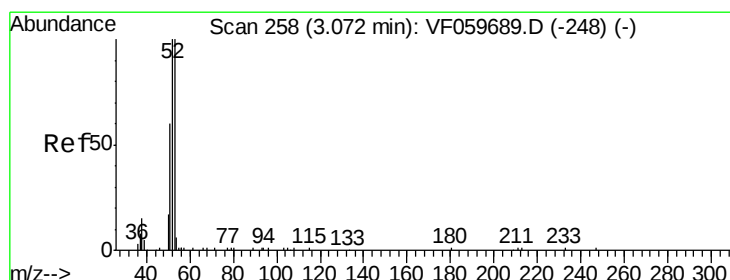
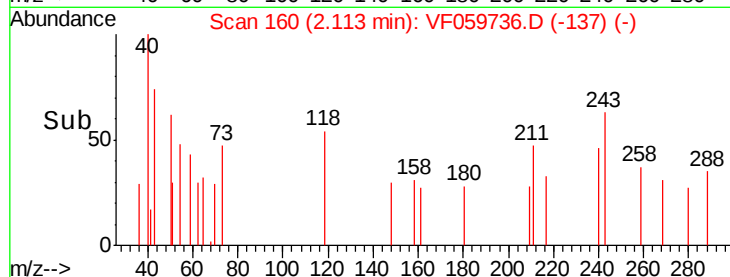
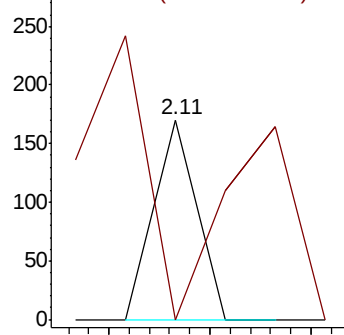
56 100

55 0.0 73.2 109.8#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#15

Acrylonitrile

Concen: 1.976 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.00 min

Lab File: VF059736.D

Acq: 1 Aug 2018 5:31

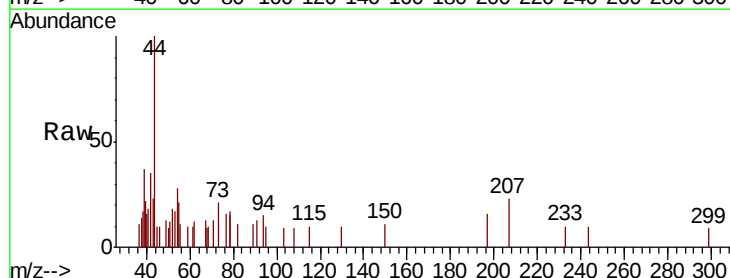
Tgt Ion: 53 Resp: 432

Ion Ratio Lower Upper

53 100

52 102.6 80.3 120.5

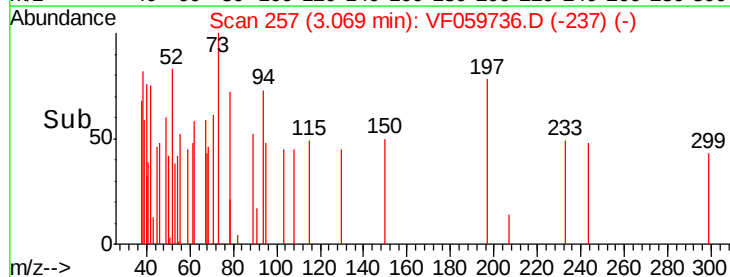
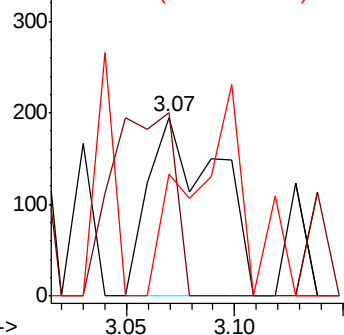
51 68.2 49.4 74.0

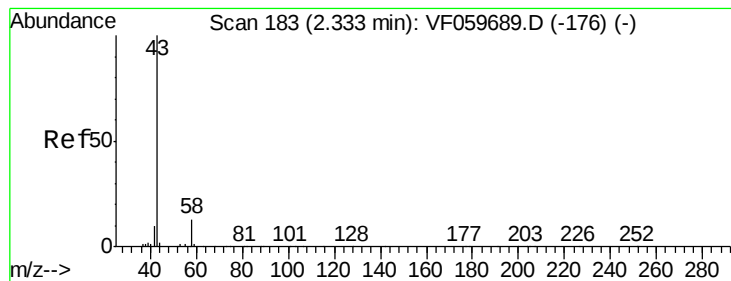


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: 33.502 ug/l

RT: 2.32 min Scan# 181

Delta R.T. -0.01 min

Lab File: VF059736.D

Acq: 1 Aug 2018 5:31

Instrument :

MSVOA_F

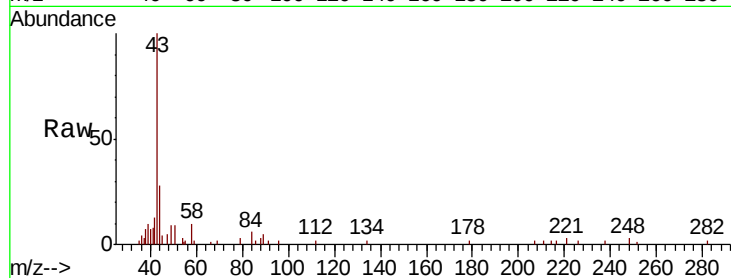
ClientSampleId :

Tot Ion: 43 Resp: 21051

Ion Ratio Lower Upper

43 100

58 9.7 10.1 15.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.32

8000

6000

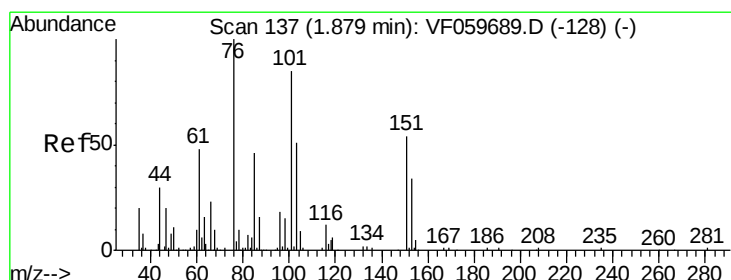
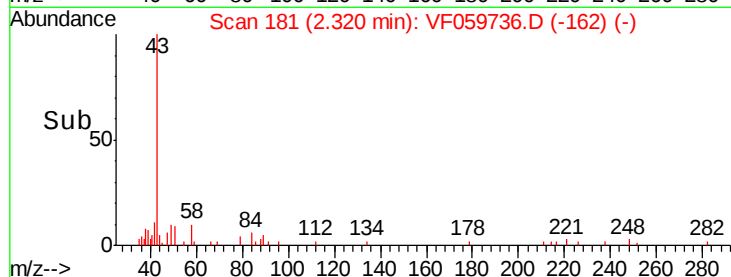
4000

2000

0

Time-->

2.20 2.30 2.40



#17

Carbon Disulfide

Concen: Below Cal

RT: 1.84 min Scan# 132

Delta R.T. -0.04 min

Lab File: VF059736.D

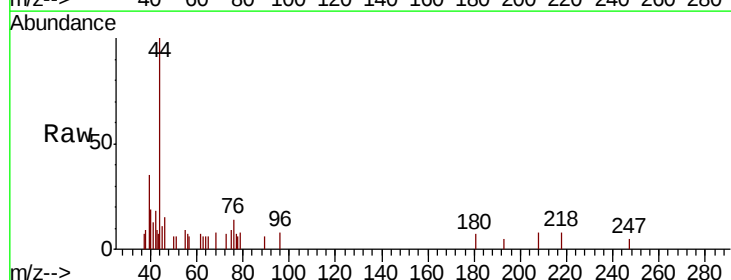
Acq: 1 Aug 2018 5:31

Tgt Ion: 76 Resp: 150

Ion Ratio Lower Upper

76 100

78 0.0 8.9 13.3#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

1.84

300

250

200

150

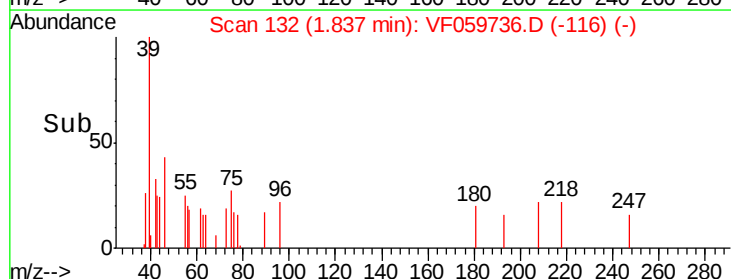
100

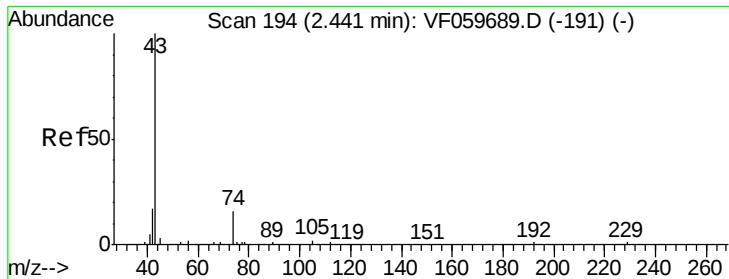
50

0

Time-->

1.82 1.84

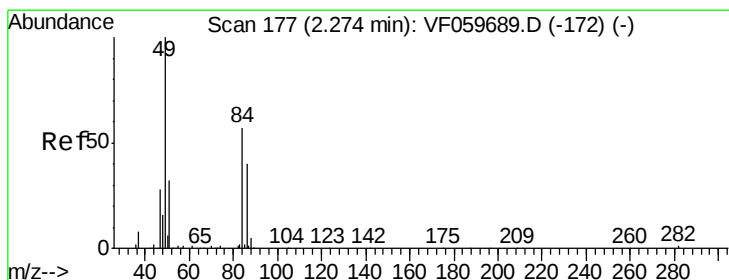
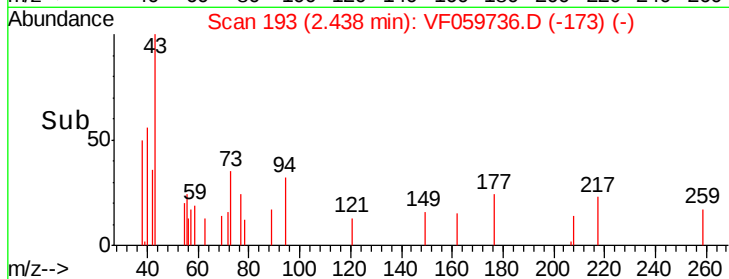
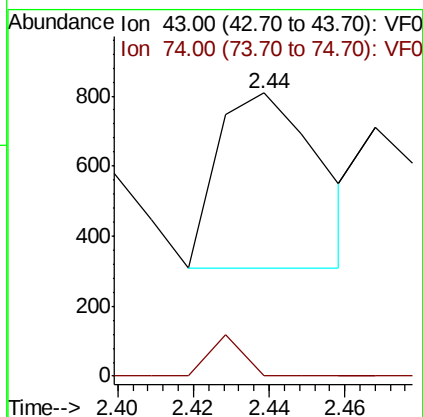
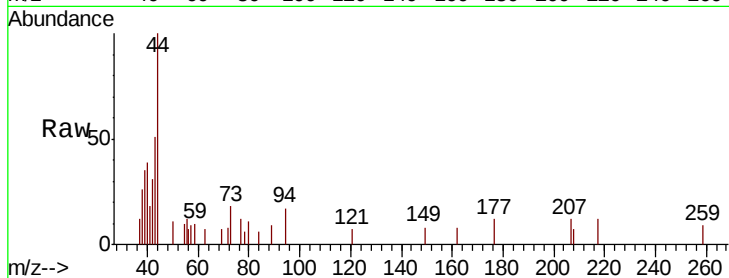




#18
Methyl Acetate
Concen: Below Cal
RT: 2.44 min Scan# 193
Delta R.T. -0.00 min
Lab File: VF059736.D
Acq: 1 Aug 2018 5:31

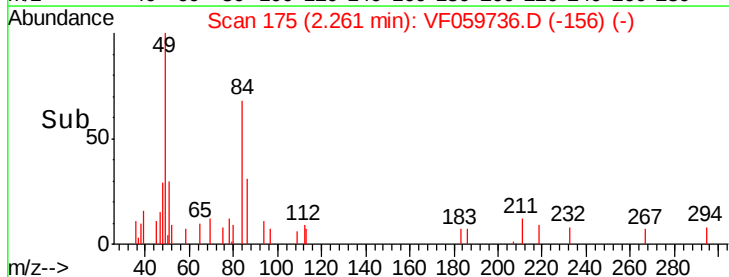
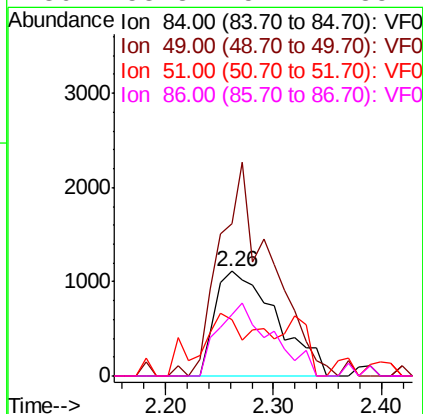
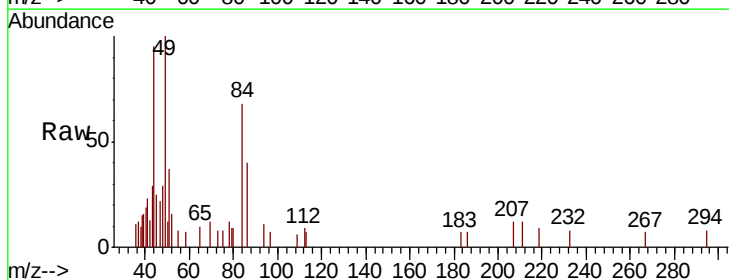
Instrument :
MSVOA_F
ClientSampled :

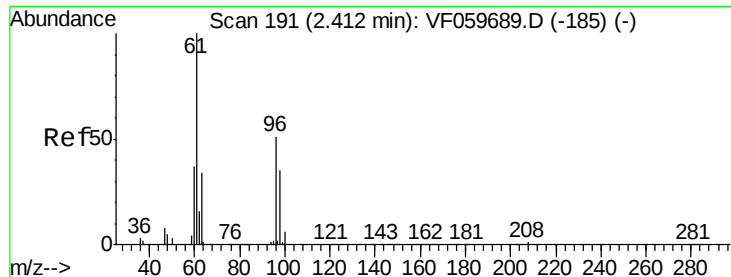
Tot Ion: 43 Resp: 926
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.26 min Scan# 175
Delta R.T. -0.01 min
Lab File: VF059736.D
Acq: 1 Aug 2018 5:31

Tgt Ion: 84 Resp: 4398
Ion Ratio Lower Upper
84 100
49 146.0 142.2 213.4
51 53.4 46.2 69.2
86 58.3 57.1 85.7





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 2.40 min Scan# 189

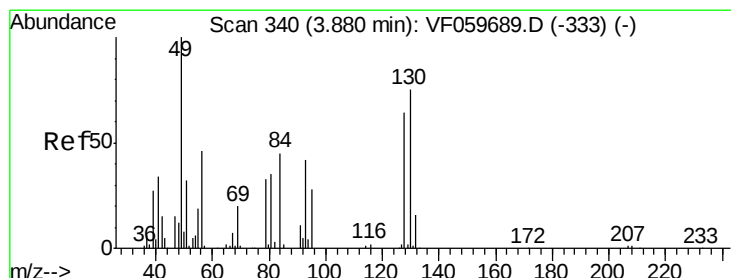
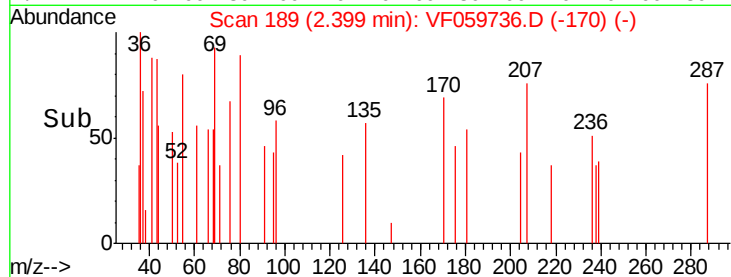
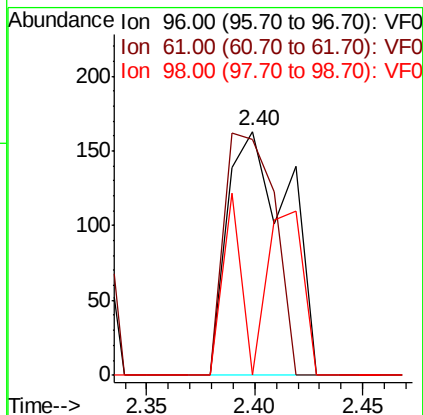
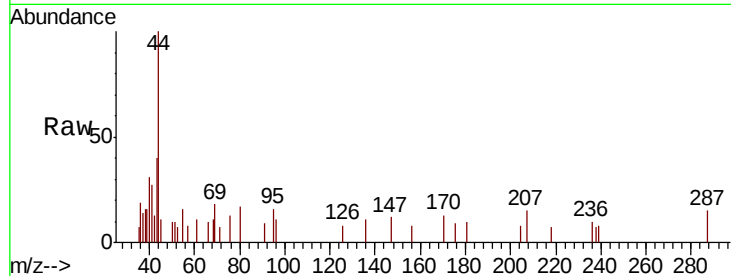
Delta R.T. -0.01 min

Lab File: VF059736.D

Acq: 1 Aug 2018 5:31

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	96	Resp:	321
Ion	Ratio	Lower	Upper
96	100		
61	96.9	157.4	236.0#
98	0.0	55.0	82.4#



#28

Bromochloromethane

Concen: Below Cal

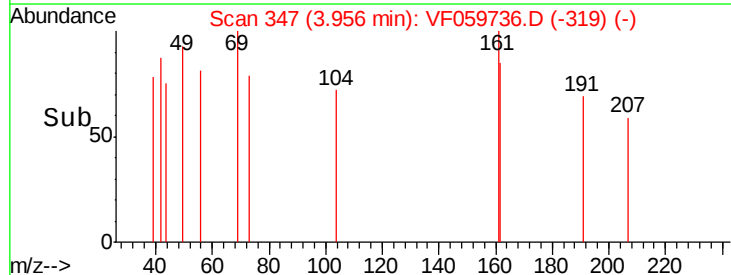
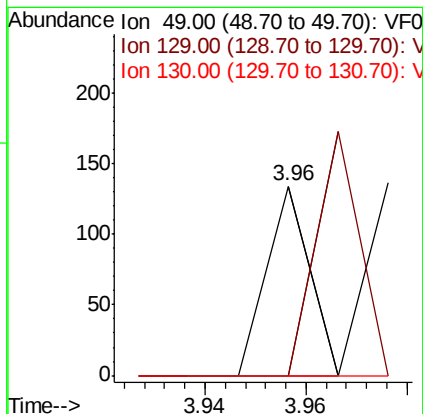
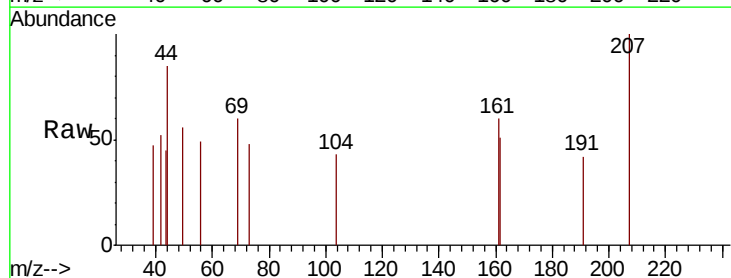
RT: 3.96 min Scan# 347

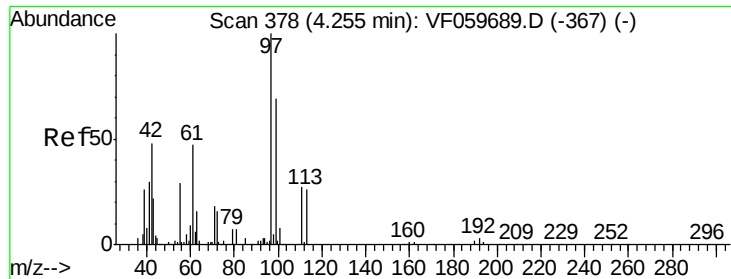
Delta R.T. 0.08 min

Lab File: VF059736.D

Acq: 1 Aug 2018 5:31

Tgt Ion:	49	Resp:	79
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	0.0	59.6	89.4#

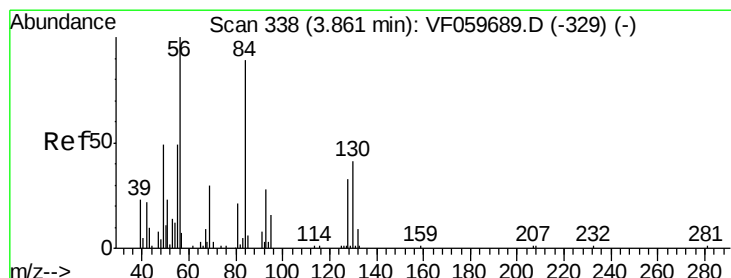
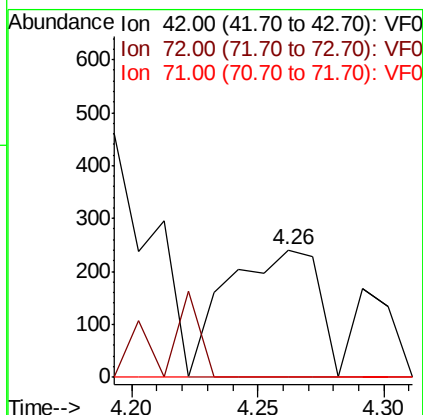
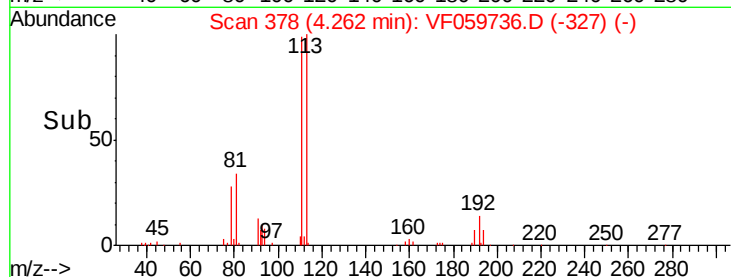
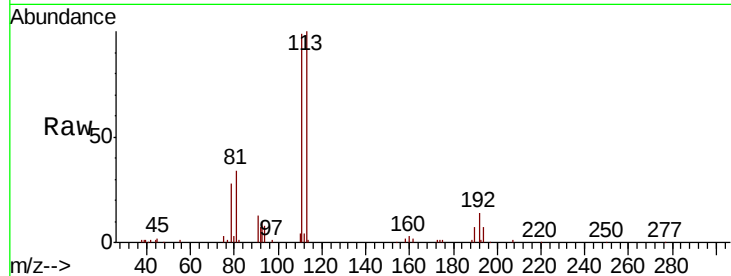




#29
Tetrahydrofuran
Concen: 2.263 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.01 min
Lab File: VF059736.D
Acq: 1 Aug 2018 5:31

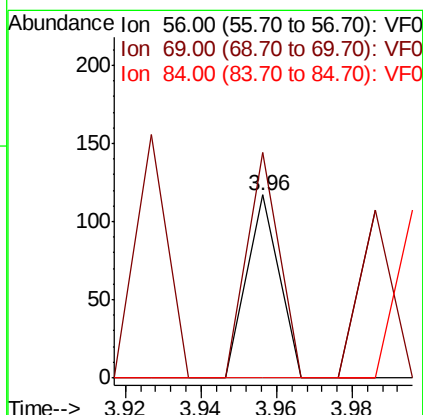
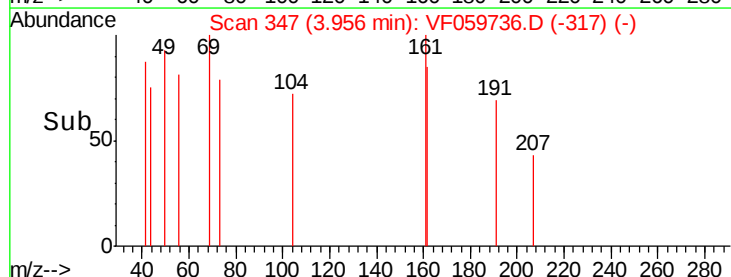
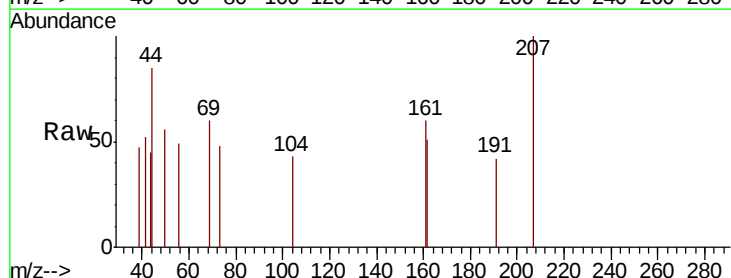
Instrument :
MSVOA_F
ClientSampled :

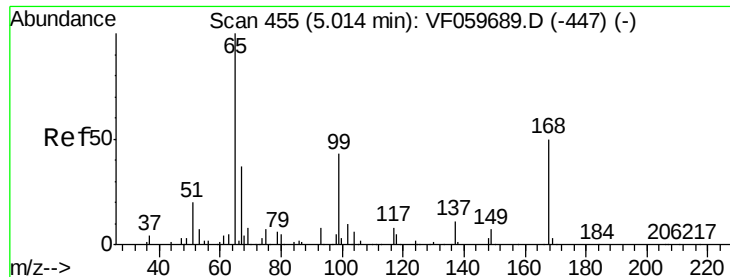
Tot Ion: 42 Resp: 610
Ion Ratio Lower Upper
42 100
72 0.0 27.0 40.6#
71 0.0 29.7 44.5#



#31
Cyclohexane
Concen: Below Cal
RT: 3.96 min Scan# 347
Delta R.T. 0.10 min
Lab File: VF059736.D
Acq: 1 Aug 2018 5:31

Tgt Ion: 56 Resp: 69
Ion Ratio Lower Upper
56 100
69 123.1 23.7 35.5#
84 0.0 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 48.260 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.00 min

Lab File: VF059736.D

Acq: 1 Aug 2018 5:31

Instrument :

MSVOA_F

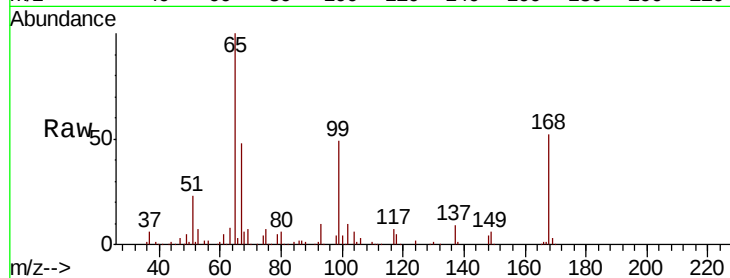
ClientSampleId :

Tot Ion: 65 Resp: 168589

Ion Ratio Lower Upper

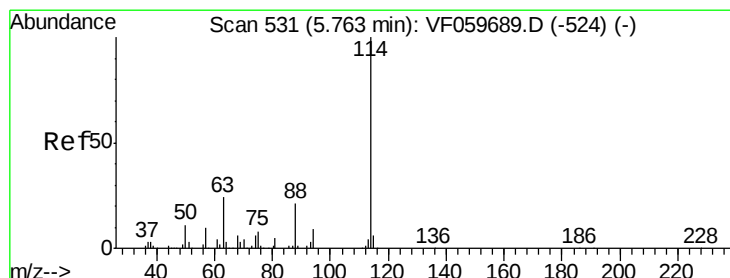
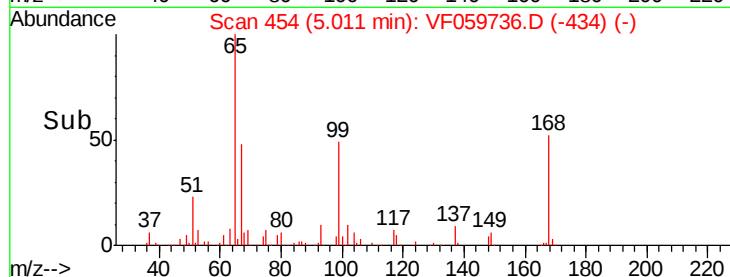
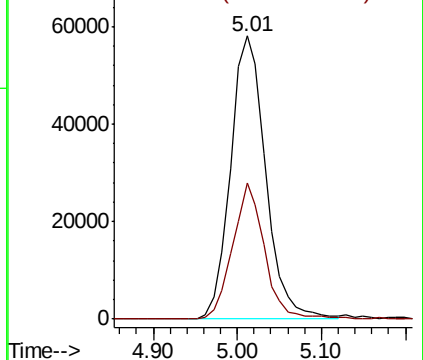
65 100

67 48.2 0.0 84.6



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: 5.76 min Scan# 530

Delta R.T. -0.00 min

Lab File: VF059736.D

Acq: 1 Aug 2018 5:31

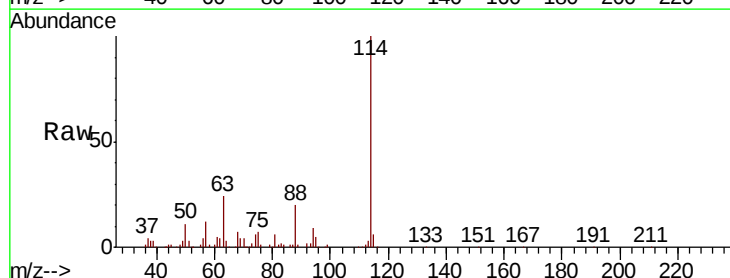
Tgt Ion: 114 Resp: 289698

Ion Ratio Lower Upper

114 100

63 24.3 0.0 47.4

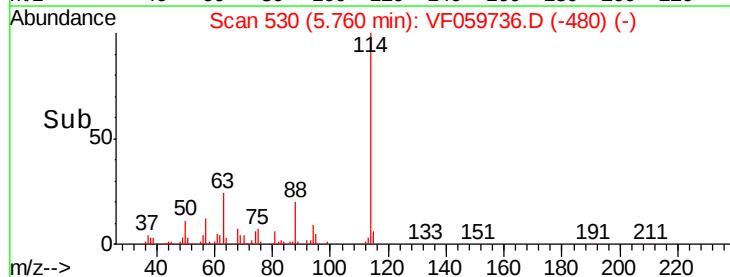
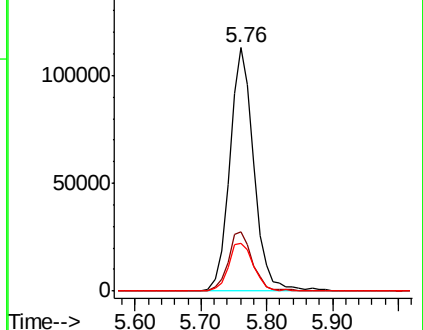
88 19.7 0.0 41.2

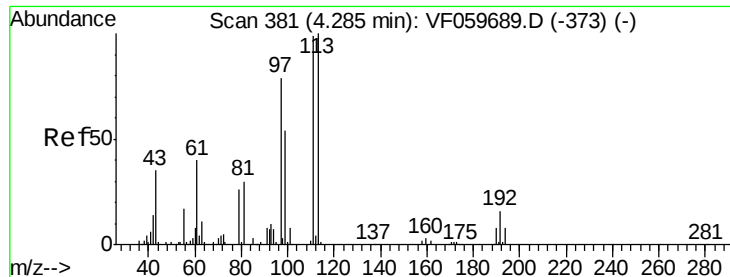


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

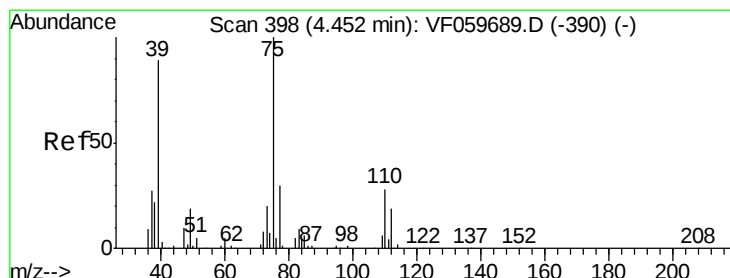
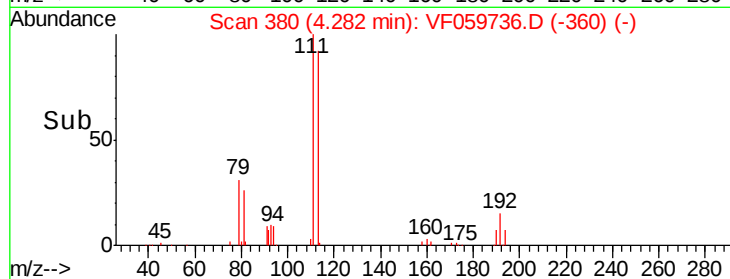
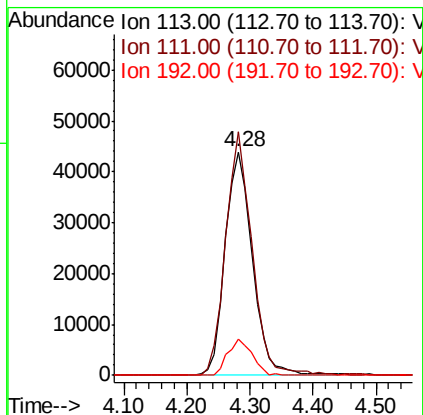
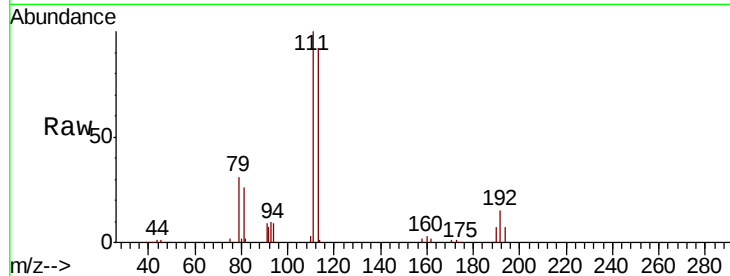




#35
 Dibromofluoromethane
 Concen: 43.985 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VF059736.D
 Acq: 1 Aug 2018 5:31

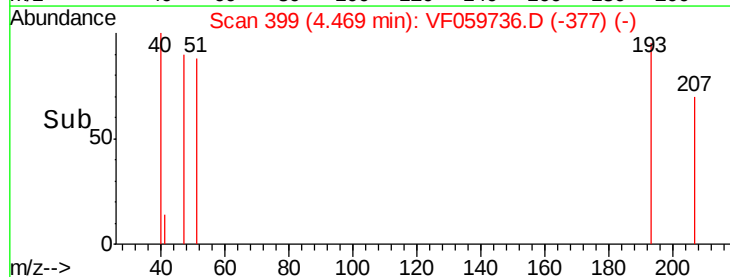
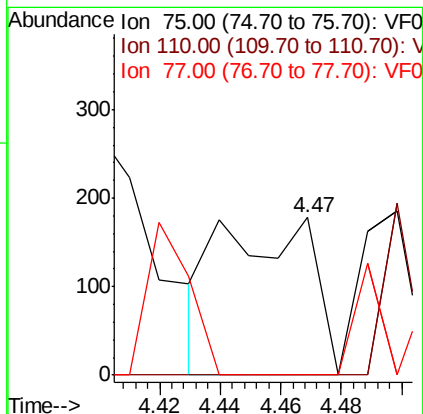
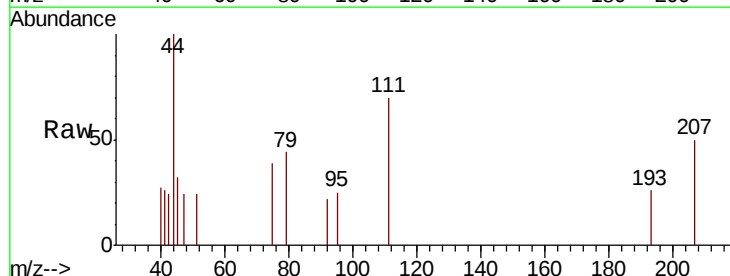
Instrument :
 MSVOA_F
 ClientSampled :

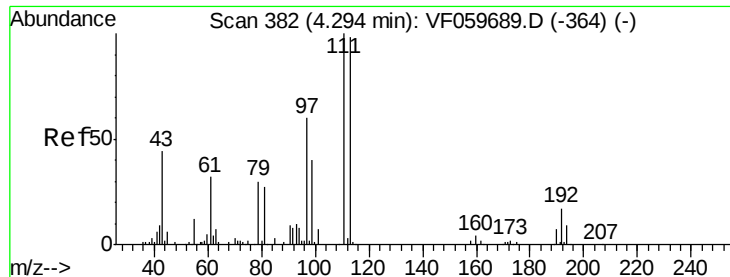
Tot Ion:113 Resp: 132350
 Ion Ratio Lower Upper
 113 100
 111 108.8 79.0 118.4
 192 16.2 13.2 19.8



#36
 1,1-Dichloropropene
 Concen: Below Cal
 RT: 4.47 min Scan# 399
 Delta R.T. 0.02 min
 Lab File: VF059736.D
 Acq: 1 Aug 2018 5:31

Tgt Ion: 75 Resp: 367
 Ion Ratio Lower Upper
 75 100
 110 0.0 14.0 41.9#
 77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: Below Cal

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF059736.D

Acq: 1 Aug 2018 5:31

Instrument :

MSVOA_F

ClientSampleId :

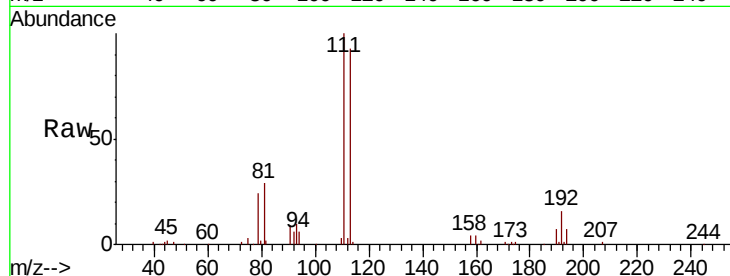
Tot Ion: 43 Resp: 133

Ion Ratio Lower Upper

43 100

61 0.0 58.2 87.2#

70 0.0 6.0 9.0#



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

400

300

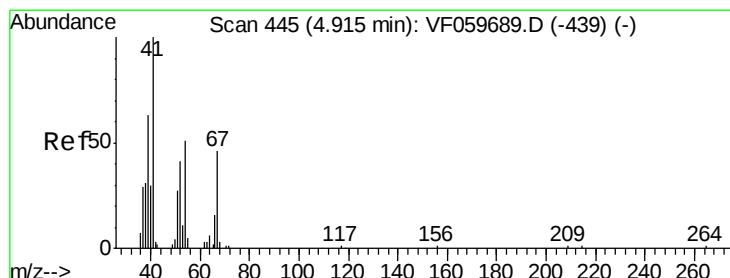
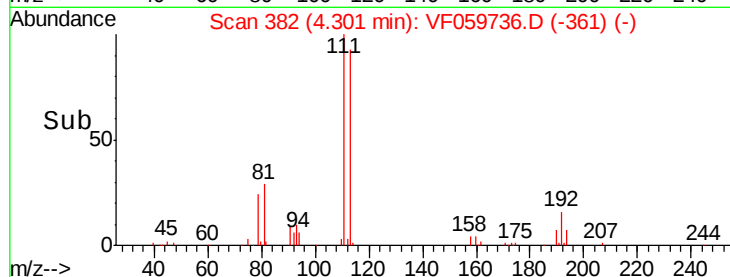
200

100

0

4.28 4.30 4.32 4.34

Time-->



#41

Methacrylonitrile

Concen: Below Cal

RT: 4.90 min Scan# 443

Delta R.T. -0.01 min

Lab File: VF059736.D

Acq: 1 Aug 2018 5:31

Tgt Ion: 41 Resp: 61

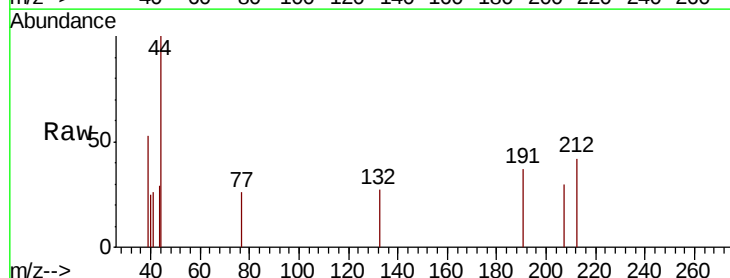
Ion Ratio Lower Upper

41 100

39 201.9 55.2 82.8#

67 0.0 36.2 54.2#

52 0.0 37.7 56.5#



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

300

250

200

150

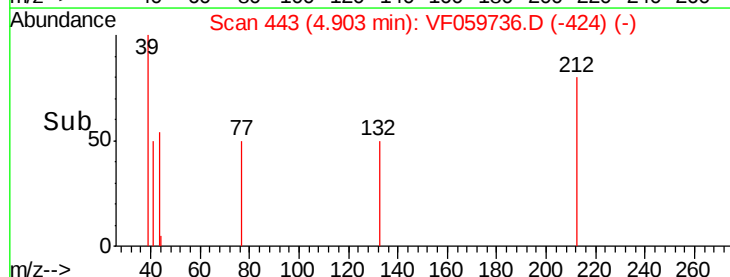
100

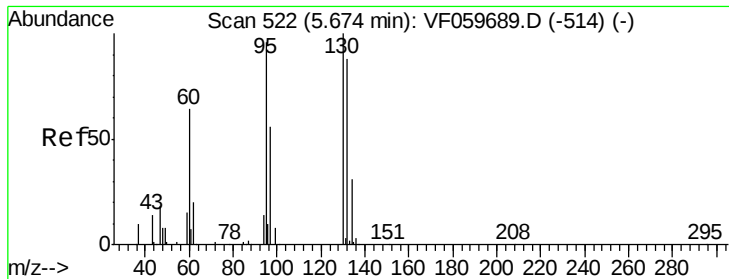
50

0

4.88 4.90 4.92

Time-->





#44

Trichloroethene

Concen: Below Cal

RT: 5.66 min Scan# 520

Delta R.T. -0.01 min

Lab File: VF059736.D

Acq: 1 Aug 2018 5:31

Instrument :

MSVOA_F

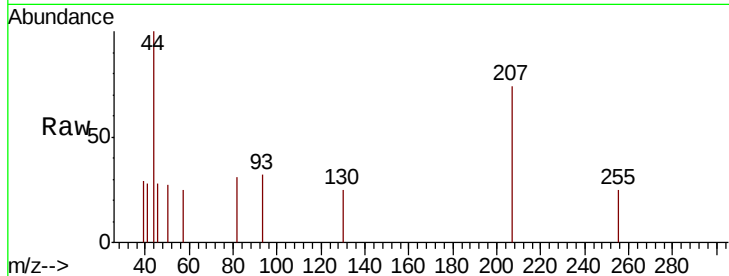
ClientSampled :

Tot Ion:130 Resp: 60

Ion Ratio Lower Upper

130 100

95 0.0 0.0 191.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

5.66

100

80

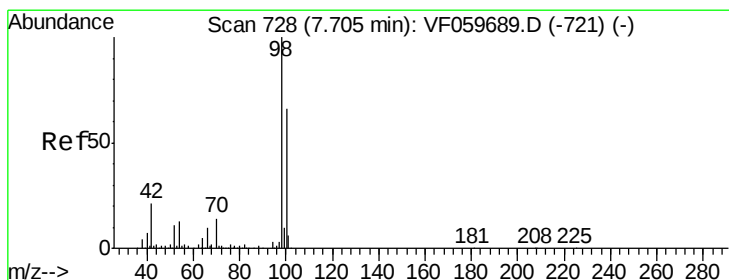
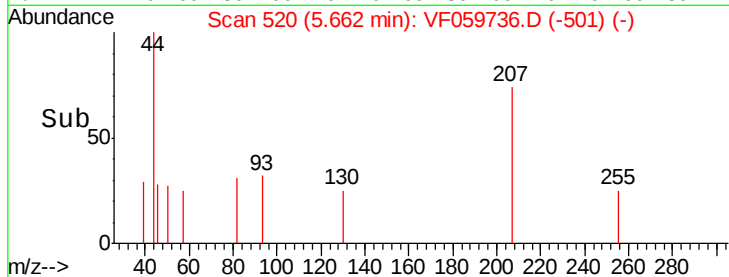
60

40

20

0

Time-->



#50

Toluene-d8

Concen: 33.232 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.01 min

Lab File: VF059736.D

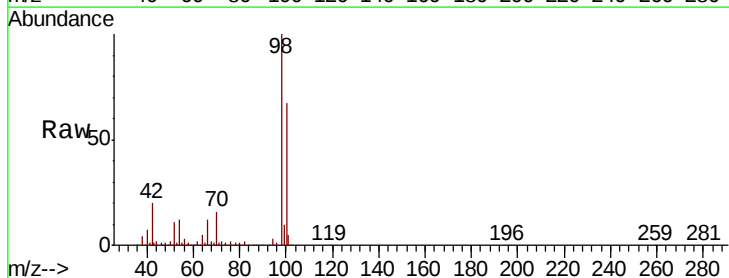
Acq: 1 Aug 2018 5:31

Tgt Ion: 98 Resp: 233183

Ion Ratio Lower Upper

98 100

100 67.2 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.71

100000

80000

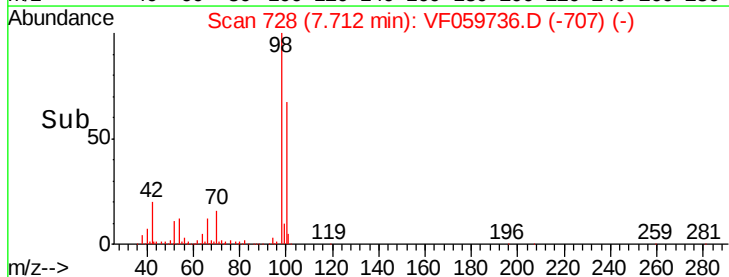
60000

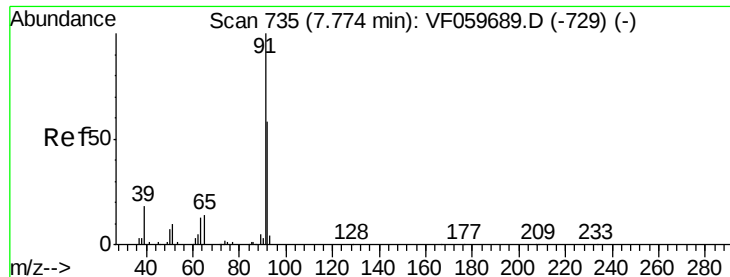
40000

20000

0

Time-->





#52

Toluene

Concen: Below Cal

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059736.D

Acq: 1 Aug 2018 5:31

Instrument :

MSVOA_F

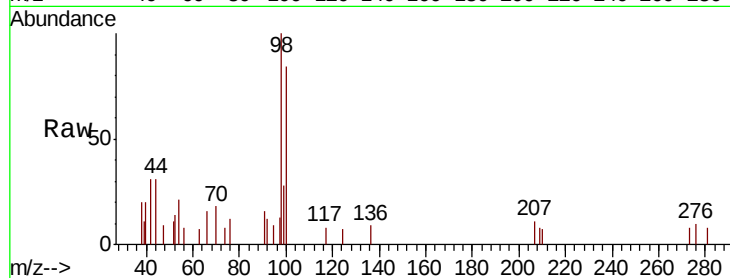
ClientSampleId :

Tot Ion: 92 Resp: 339

Ion Ratio Lower Upper

92 100

91 130.4 139.0 208.4#

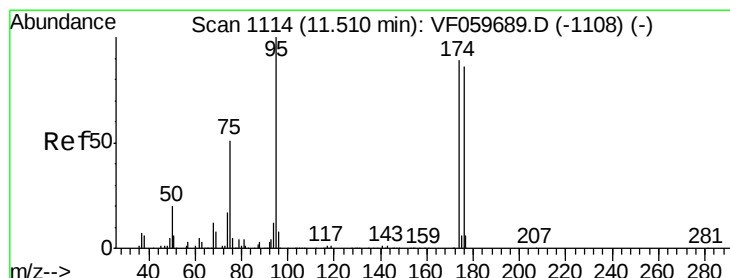
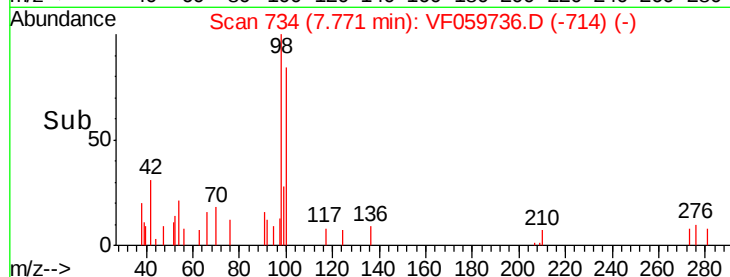


Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

Time-->

7.75 7.80



#62

4-Bromofluorobenzene

Concen: 29.850 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF059736.D

Acq: 1 Aug 2018 5:31

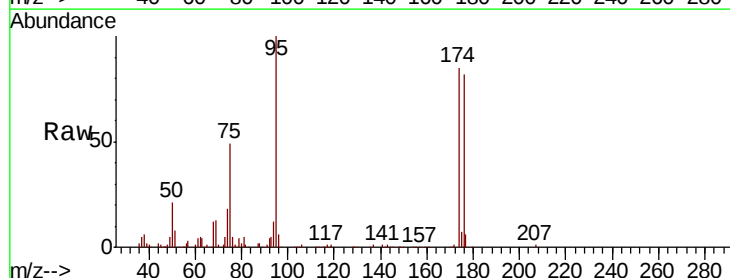
Tgt Ion: 95 Resp: 115954

Ion Ratio Lower Upper

95 100

174 85.4 0.0 178.4

176 82.4 0.0 173.0



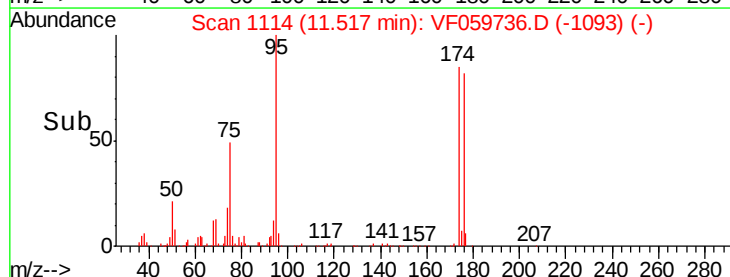
Abundance Ion 95.00 (94.70 to 95.70): VF0

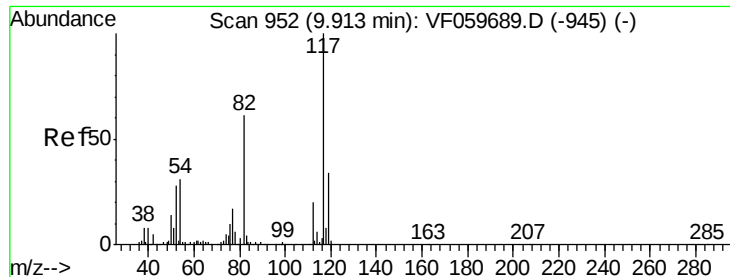
Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

Time-->

11.40 11.50 11.60 11.70

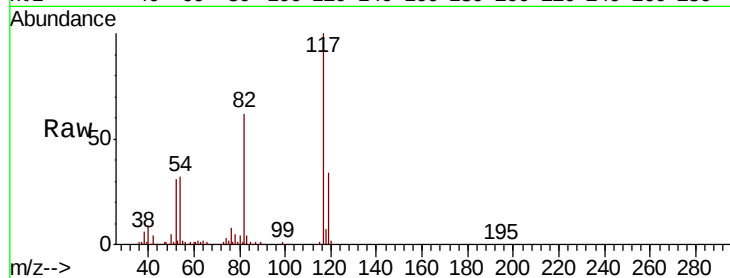




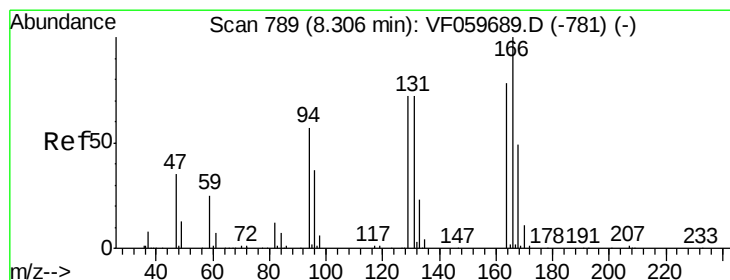
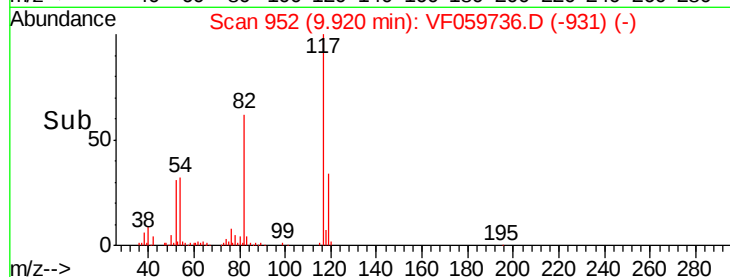
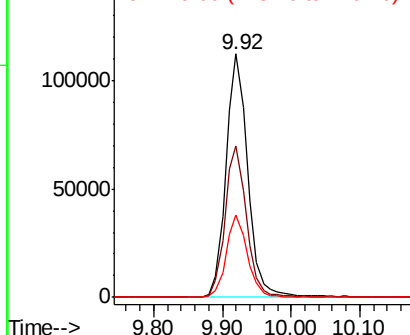
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF059736.D
Acq: 1 Aug 2018 5:31

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.1	49.0	73.4
119	33.6	27.3	40.9

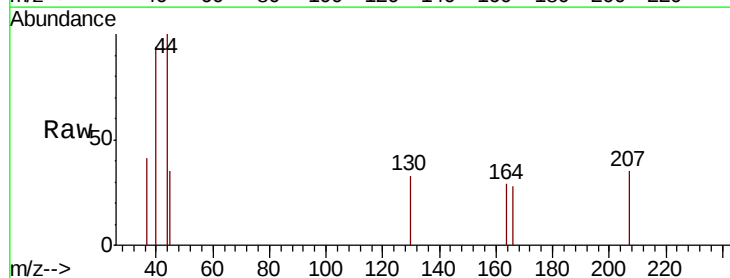


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

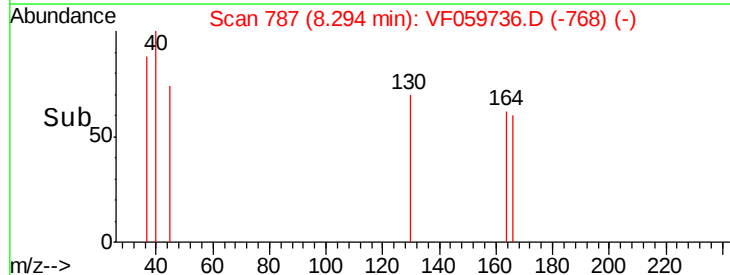
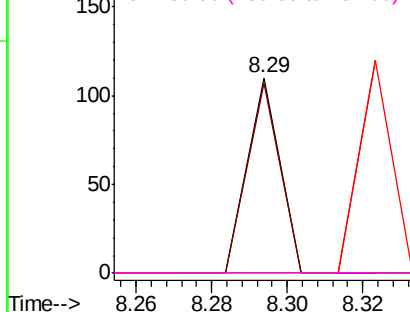


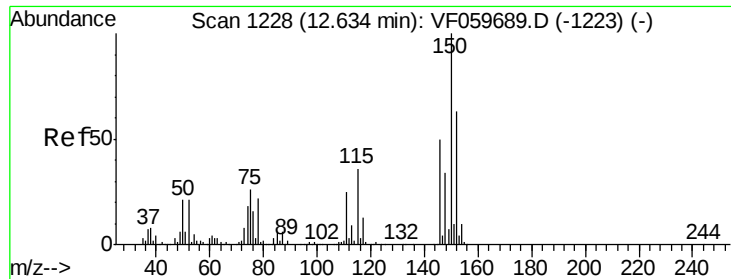
#64
Tetrachloroethene
Concen: Below Cal
RT: 8.29 min Scan# 787
Delta R.T. -0.01 min
Lab File: VF059736.D
Acq: 1 Aug 2018 5:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	97.3	102.1	153.1#
129	0.0	73.8	110.6#
131	0.0	73.1	109.7#



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



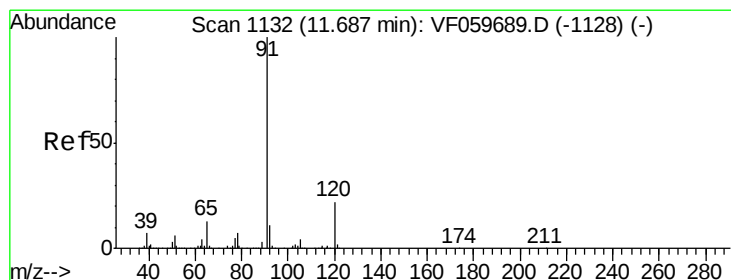
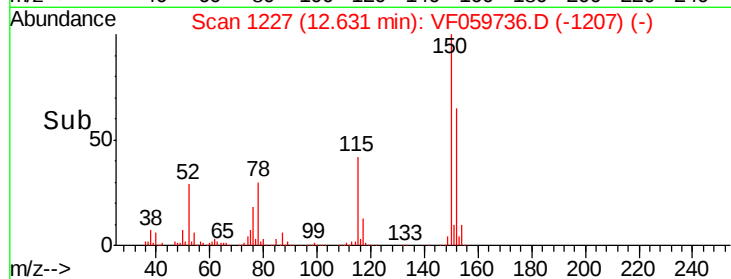
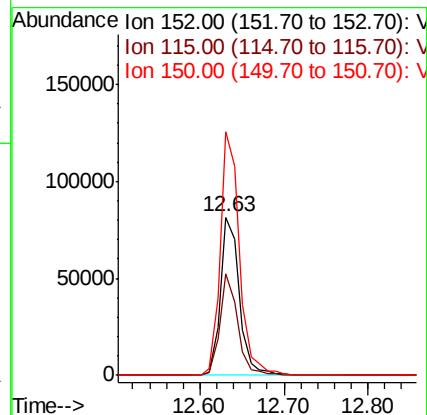
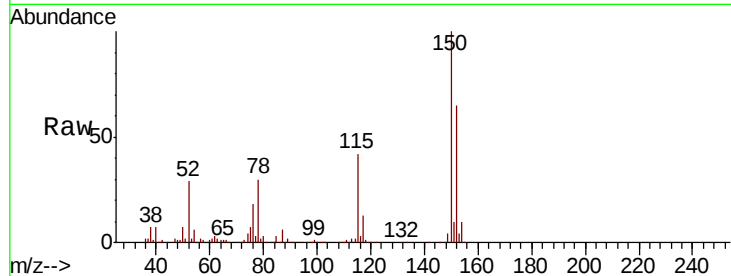


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059736.D
Acq: 1 Aug 2018 5:31

Instrument :
MSVOA_F
ClientSampleId :

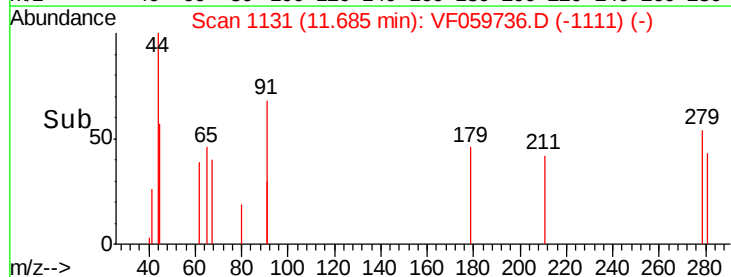
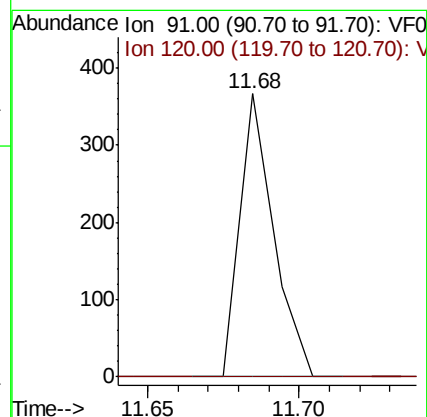
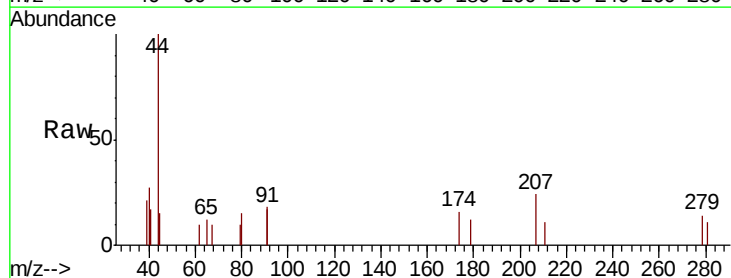
Tot Ion	Ratio	Lower	Upper
152	100		
115	64.3	28.2	84.6
150	154.1	0.0	316.2

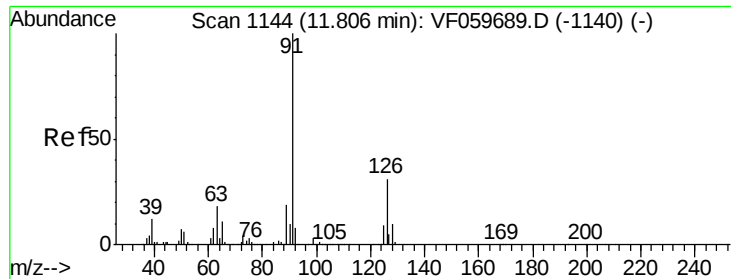


#78

n-propylbenzene
Concen: Below Cal
RT: 11.68 min Scan# 1131
Delta R.T. -0.00 min
Lab File: VF059736.D
Acq: 1 Aug 2018 5:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	0.0	11.0	33.0





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF059736.D

Acq: 1 Aug 2018 5:31

Instrument :

MSVOA_F

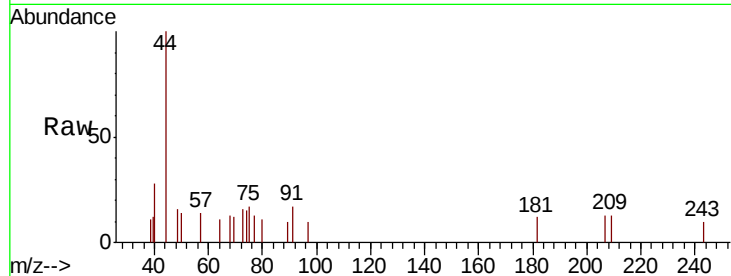
ClientSampled :

Tot Ion: 91 Resp: 101

Ion Ratio Lower Upper

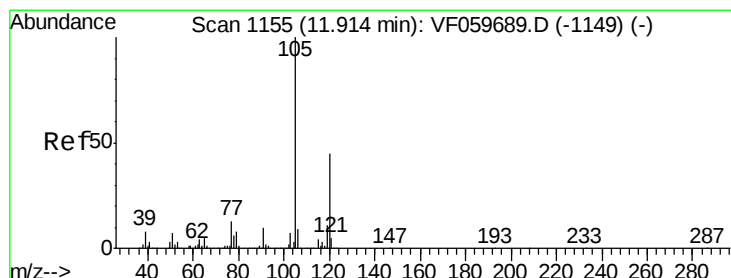
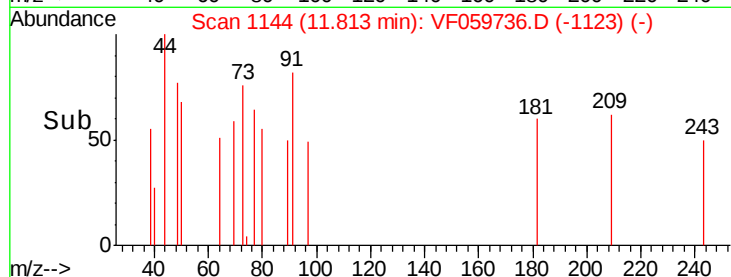
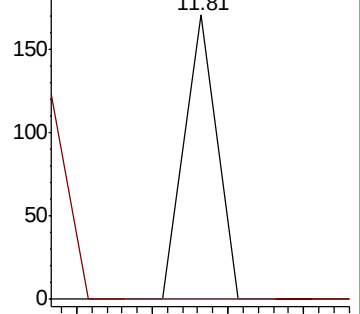
91 100

126 0.0 15.4 46.2#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 11.91 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VF059736.D

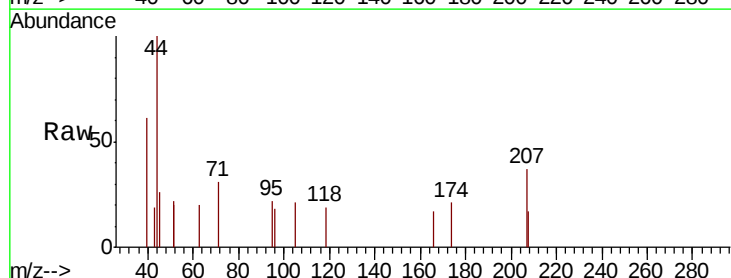
Acq: 1 Aug 2018 5:31

Tgt Ion:105 Resp: 160

Ion Ratio Lower Upper

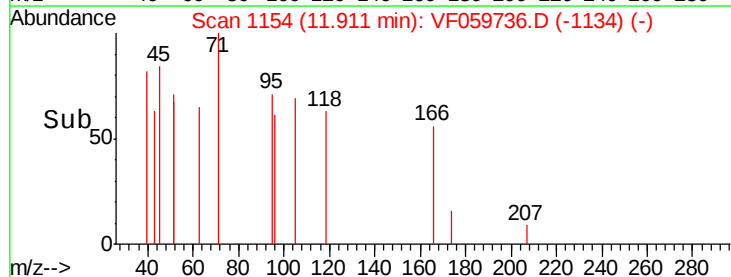
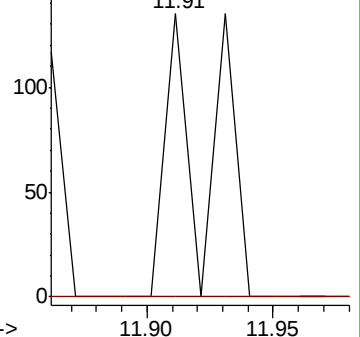
105 100

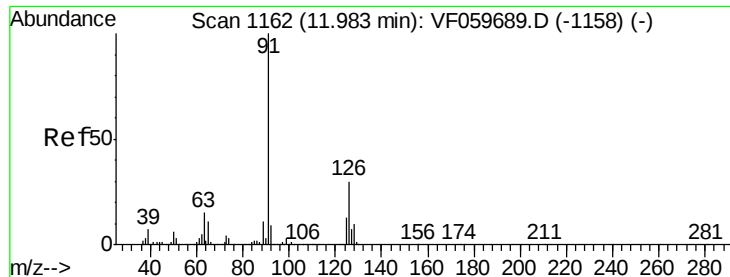
120 0.0 22.7 68.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#82

4-Chlorotoluene

Concen: Below Cal

RT: 11.99 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VF059736.D

Acq: 1 Aug 2018 5:31

Instrument :

MSVOA_F

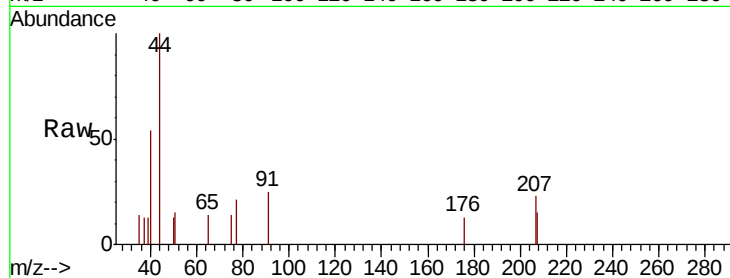
ClientSampleId :

Tot Ion: 91 Resp: 432

Ion Ratio Lower Upper

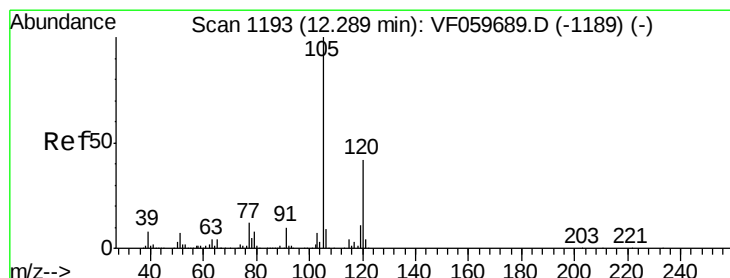
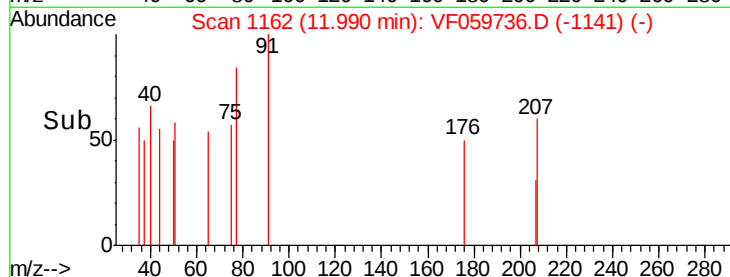
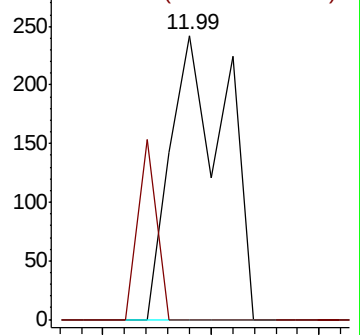
91 100

126 0.0 15.2 45.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#84

1,2,4-Trimethylbenzene

Concen: Below Cal

RT: 12.30 min Scan# 1193

Delta R.T. 0.01 min

Lab File: VF059736.D

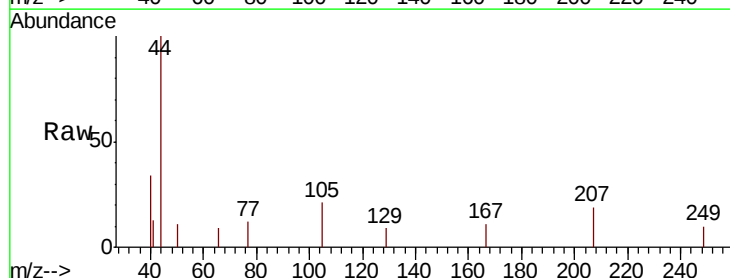
Acq: 1 Aug 2018 5:31

Tgt Ion:105 Resp: 342

Ion Ratio Lower Upper

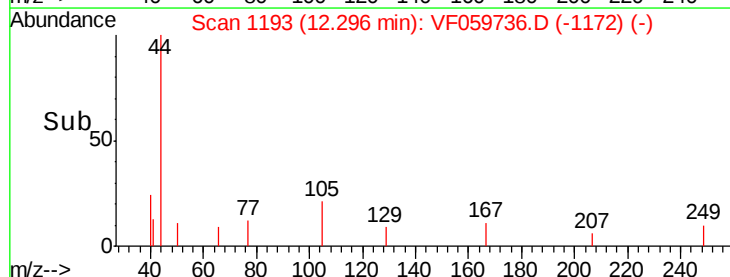
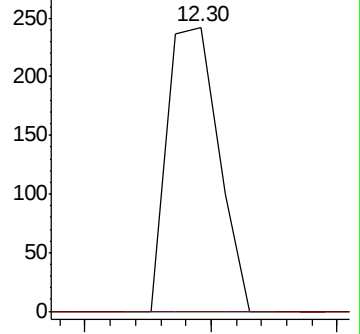
105 100

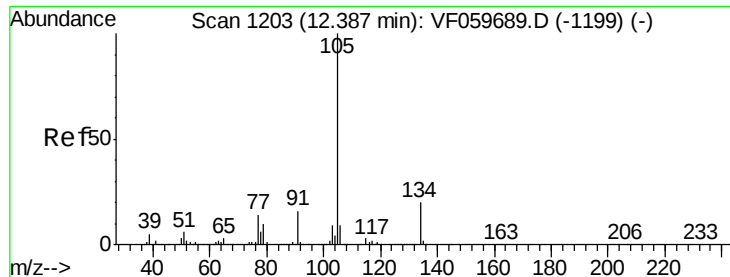
120 0.0 21.1 63.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: Below Cal

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059736.D

Acq: 1 Aug 2018 5:31

Instrument :

MSVOA_F

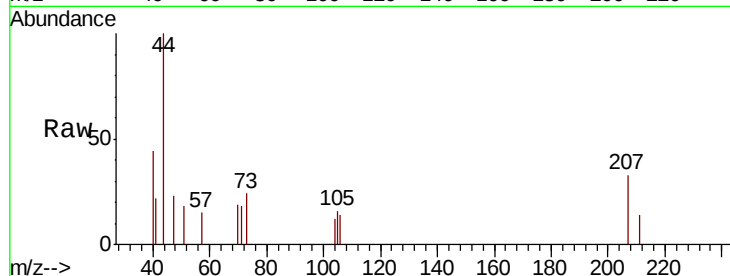
ClientSampled :

Tot Ion:105 Resp: 150

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

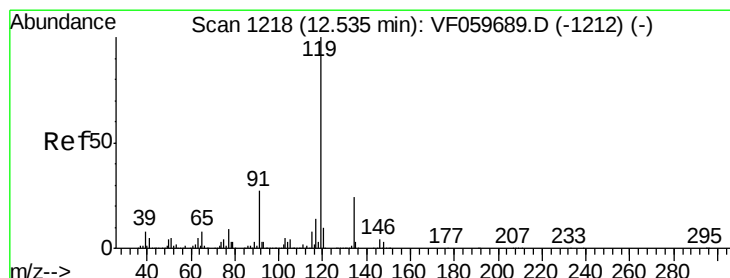
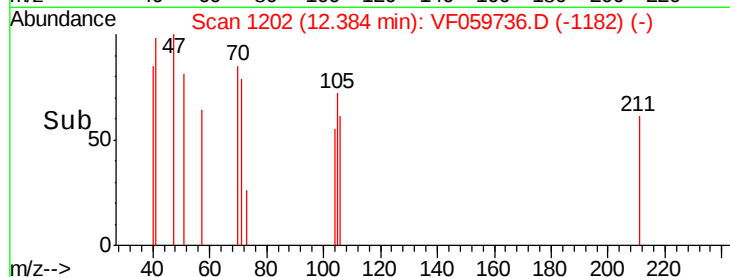
12.38

100

50

0

Time-->



#86

p-Isopropyltoluene

Concen: Below Cal

RT: 12.55 min Scan# 1219

Delta R.T. 0.02 min

Lab File: VF059736.D

Acq: 1 Aug 2018 5:31

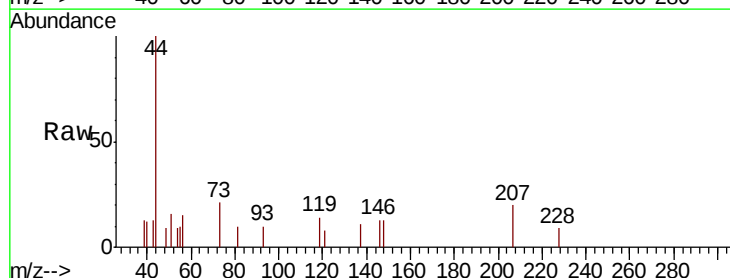
Tgt Ion:119 Resp: 97

Ion Ratio Lower Upper

119 100

134 0.0 12.2 36.6#

91 0.0 13.4 40.2#



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): V

12.55

200

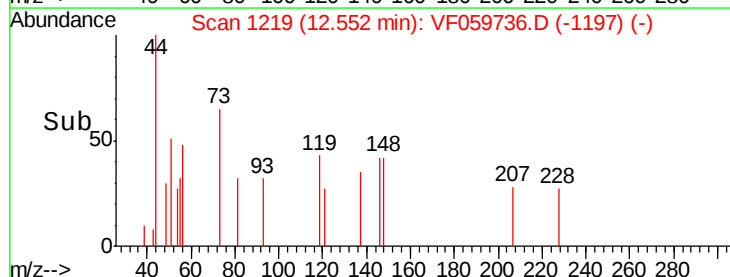
150

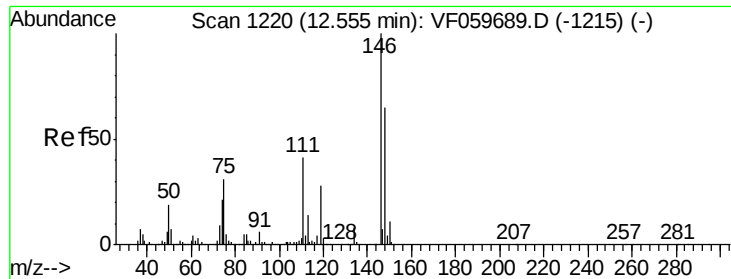
100

50

0

Time-->





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.56 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VF059736.D

Acq: 1 Aug 2018 5:31

Instrument :

MSVOA_F

ClientSampleId :

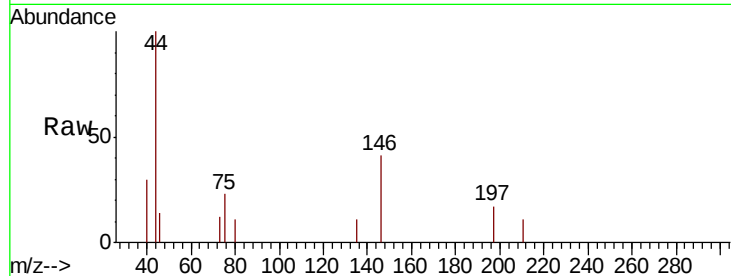
Tot Ion:146 Resp: 481

Ion Ratio Lower Upper

146 100

111 0.0 20.7 62.1#

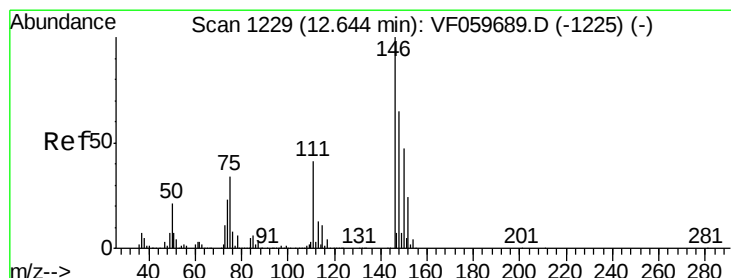
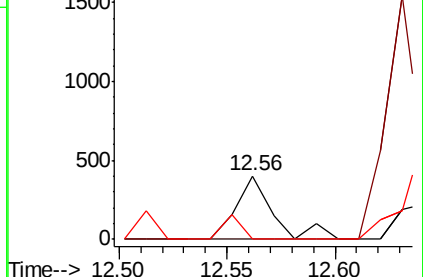
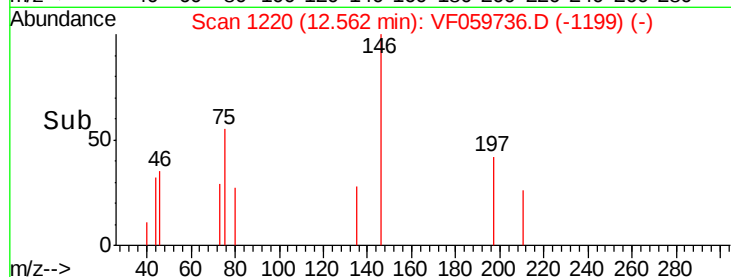
148 0.0 32.3 96.8#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VF059736.D

Acq: 1 Aug 2018 5:31

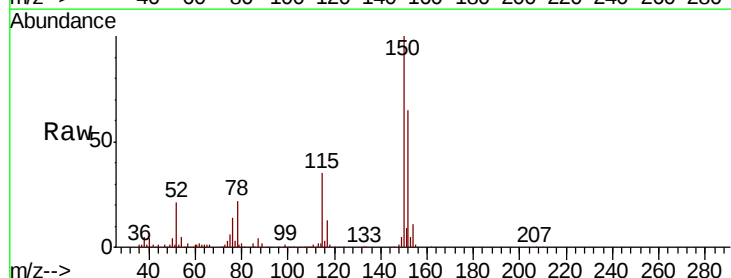
Tgt Ion:146 Resp: 363

Ion Ratio Lower Upper

146 100

111 253.6 20.8 62.2#

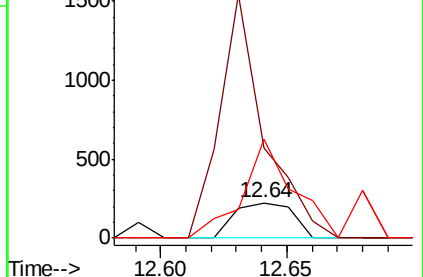
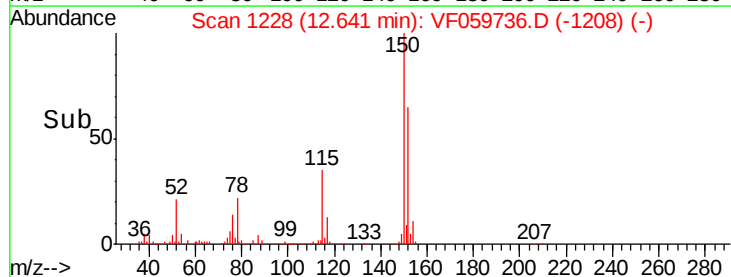
148 278.6 32.3 96.9#

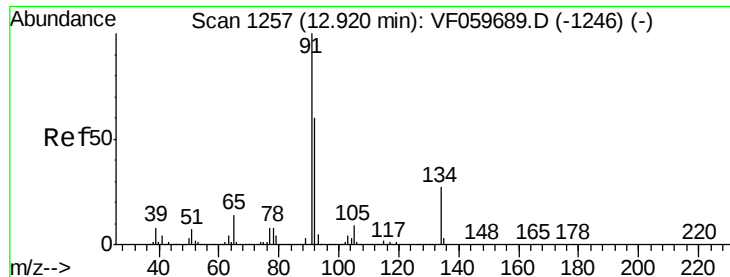


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: Below Cal

RT: 12.93 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VF059736.D

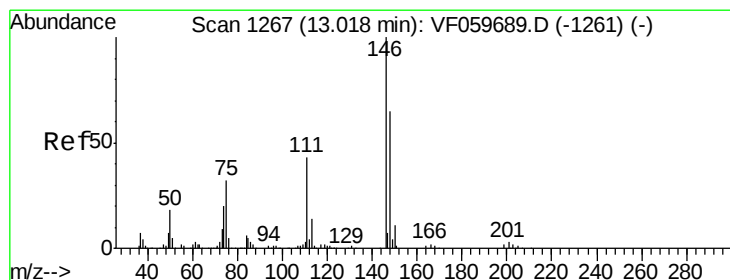
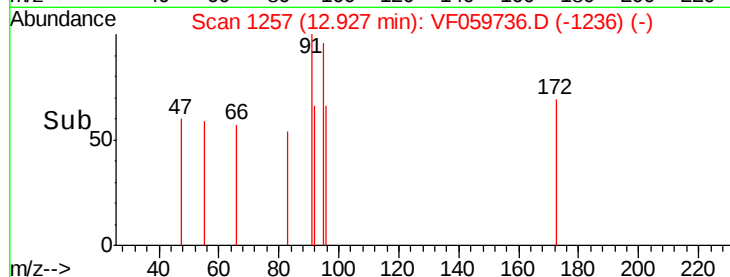
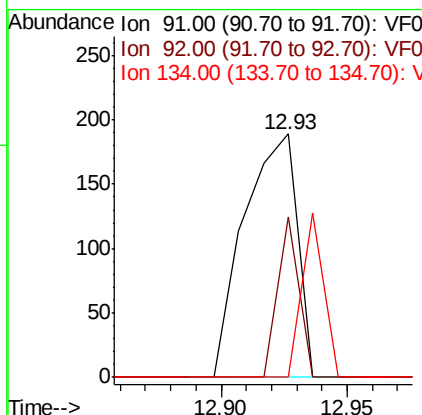
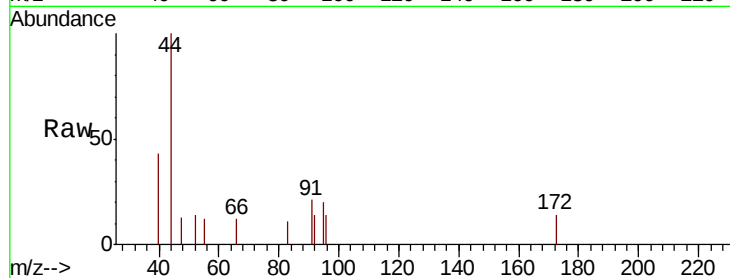
Acq: 1 Aug 2018 5:31

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	91	Resp:	277
Ion	Ratio	Lower	Upper
91	100		
92	66.1	30.1	90.3
134	0.0	13.7	41.0#



#91

1,2-Dichlorobenzene

Concen: Below Cal

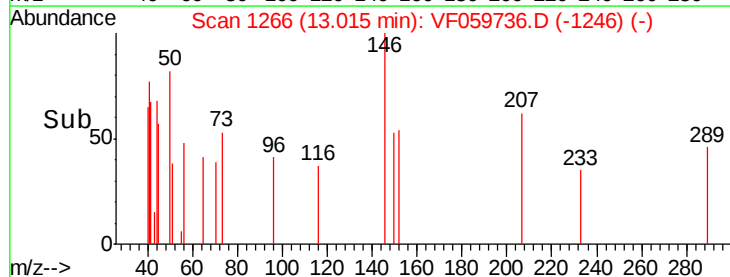
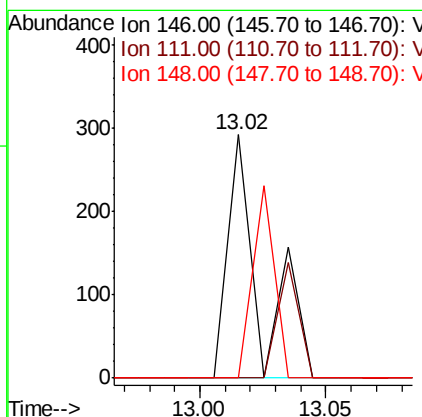
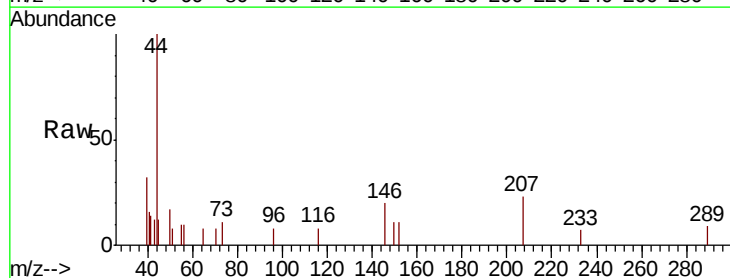
RT: 13.02 min Scan# 1266

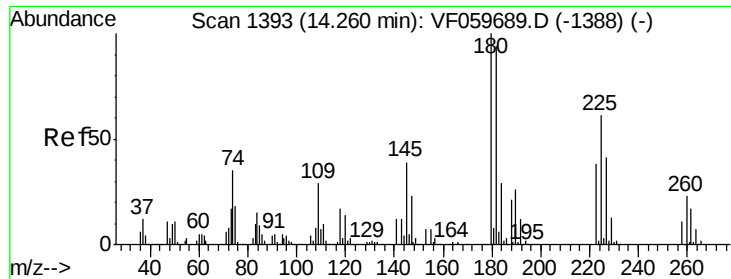
Delta R.T. -0.00 min

Lab File: VF059736.D

Acq: 1 Aug 2018 5:31

Tgt Ion:	146	Resp:	266
Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.6	65.0#
148	0.0	32.3	96.9#





#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 14.28 min Scan# 1394
 Delta R.T. 0.02 min
 Lab File: VF059736.D
 Acq: 1 Aug 2018 5:31

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	128.1	47.2	141.6
145	0.0	19.3	57.9

