

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059735.D
 Acq On : 1 Aug 2018 5:03
 Operator : VA/AP
 Sample : J3825-13
 Misc : 5.68g/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 01 07:38:51 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	5.05	168	150630	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	231826	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	189107	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.64	152	96122	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	170563	63.01	ug/l	0.01
Spiked Amount	50.000		Recovery	=	126.02%	
35) Dibromofluoromethane	4.29	113	133895	55.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.22%	
50) Toluene-d8	7.72	98	219344	39.06	ug/l	0.01
Spiked Amount	50.000		Recovery	=	78.12%	
62) 4-Bromofluorobenzene	11.51	95	115100	37.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	93	Below Cal	#	44
3) Chloromethane	1.07	50	147	Below Cal	#	38
4) Vinyl Chloride	1.16	62	105	Below Cal	#	47
5) Bromomethane	1.33	94	200	Below Cal	#	4
6) Chloroethane	1.41	64	103	Below Cal	#	35
10) Methyl Iodide	1.98	142	63	Below Cal	#	20
11) Tert butyl alcohol	2.69	59	377	2.006	ug/l #	1
13) Acrolein	2.09	56	307	21.089	ug/l	92
15) Acrylonitrile	3.09	53	215	1.292	ug/l #	3
16) Acetone	2.33	43	9479	19.467	ug/l	99
17) Carbon Disulfide	1.94	76	187	Below Cal	#	71
18) Methyl Acetate	2.42	43	572	Below Cal	#	64
20) Methylene Chloride	2.28	84	3798	Below Cal	#	80
21) trans-1,2-Dichloroethene	2.43	96	266	Below Cal	#	1
25) 2-Butanone	4.52	43	682	1.255	ug/l #	74
28) Bromochloromethane	4.02	49	132	Below Cal	#	15
31) Cyclohexane	3.98	56	66	Below Cal	#	15
36) 1,1-Dichloropropene	4.48	75	409	Below Cal	#	46
37) Ethyl Acetate	4.34	43	583	Below Cal	#	19
39) Methylcyclohexane	5.77	83	4814	Below Cal	#	42
41) Methacrylonitrile	4.96	41	203	Below Cal	#	24
44) Trichloroethene	5.70	130	66	Below Cal	#	2
49) 1,4-Dioxane	6.91	88	72	Below Cal	#	21
52) Toluene	7.79	92	1225	Below Cal	#	52
58) 2-Chloroethyl Vinyl ether	7.80	63	178	1.166	ug/l	100
68) m/p-Xylenes	10.27	106	161	Below Cal		80
78) n-propylbenzene	11.70	91	199	Below Cal	#	54
79) 2-Chlorotoluene	11.79	91	105	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	12.02	105	90	Below Cal	#	31
82) 4-Chlorotoluene	11.99	91	180	Below Cal	#	44
84) 1,2,4-Trimethylbenzene	12.28	105	73	Below Cal	#	33
85) sec-Butylbenzene	12.39	105	96	Below Cal	#	1
86) p-Isopropyltoluene	12.51	119	177	Below Cal	#	49
87) 1,3-Dichlorobenzene	12.57	146	139	Below Cal	#	24

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Response via : Initial Calibration

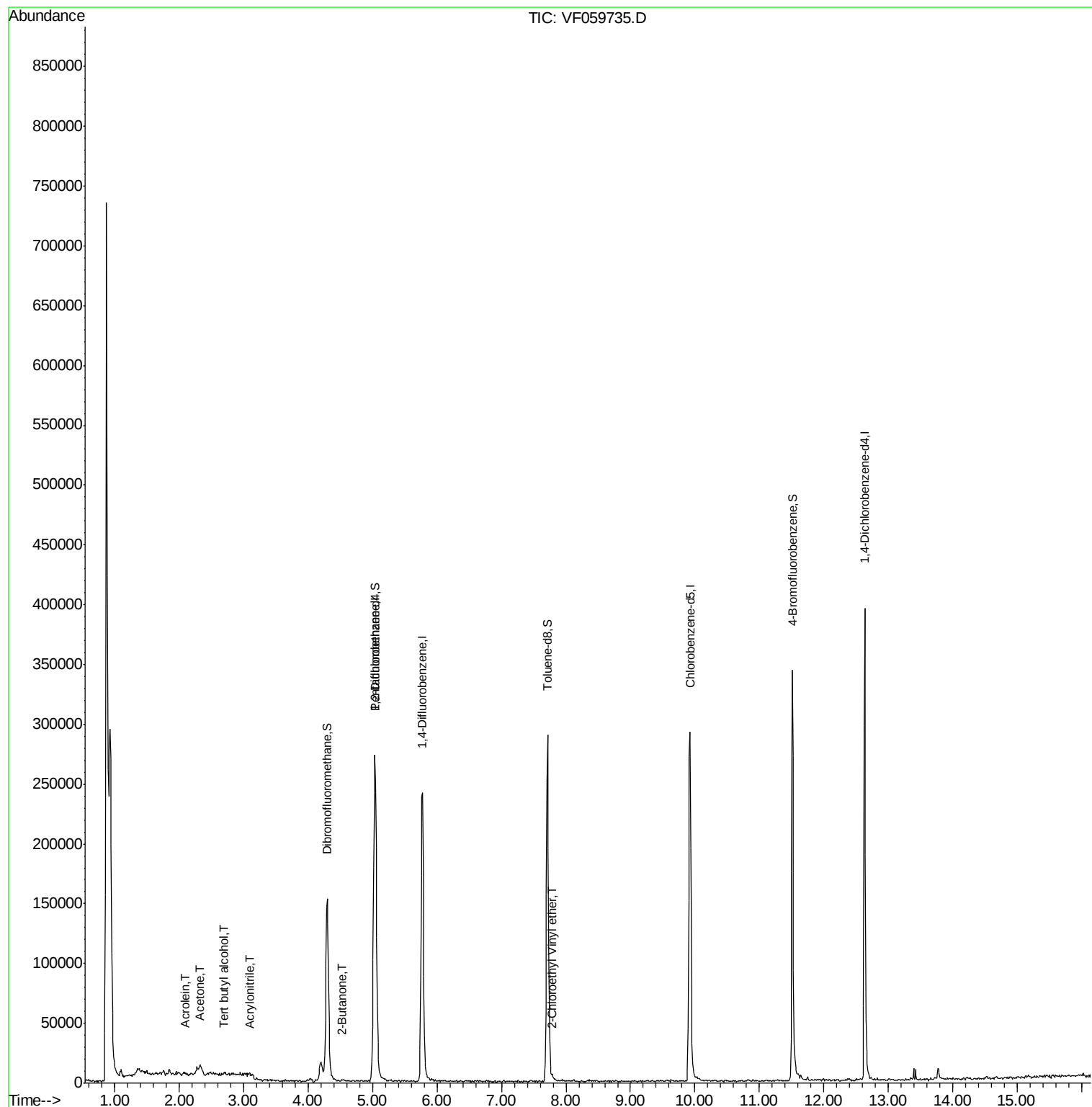
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) 1,4-Dichlorobenzene	12.65	146	224	Below Cal	#	1
89) n-Butylbenzene	12.91	91	231	Below Cal	#	29
91) 1,2-Dichlorobenzene	13.02	146	148	Below Cal	#	64
93) 1,2,4-Trichlorobenzene	14.26	180	299	Below Cal	#	75

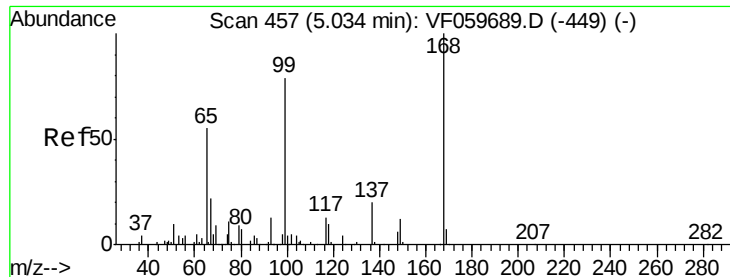
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059735.D

Acq: 1 Aug 2018 5:03

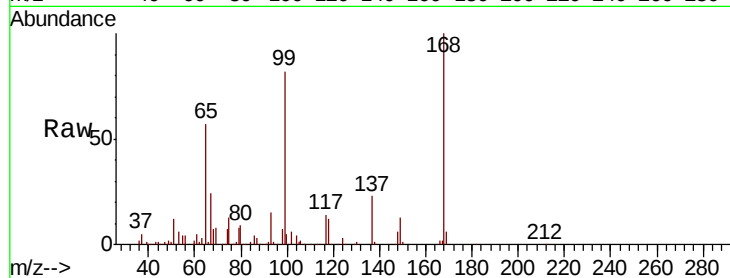
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 150630

Ion Ratio Lower Upper

168 100

99 81.5 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

Time-->

4.90 5.00 5.10 5.20

50000

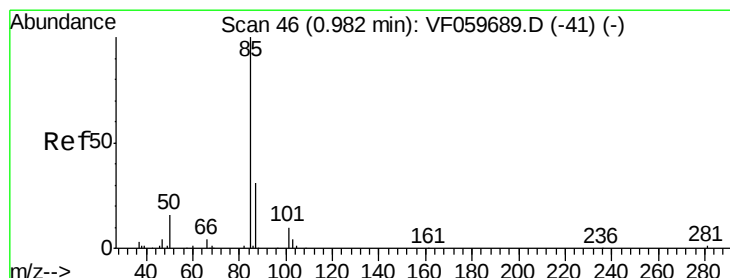
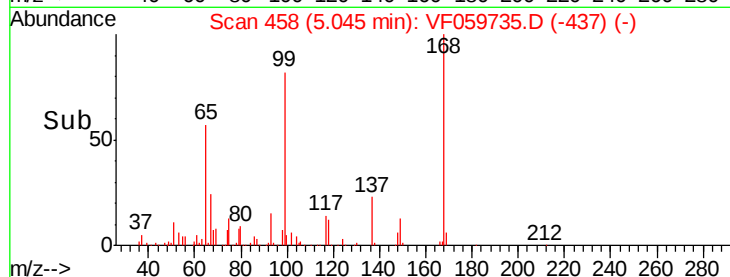
40000

30000

20000

10000

0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.99 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF059735.D

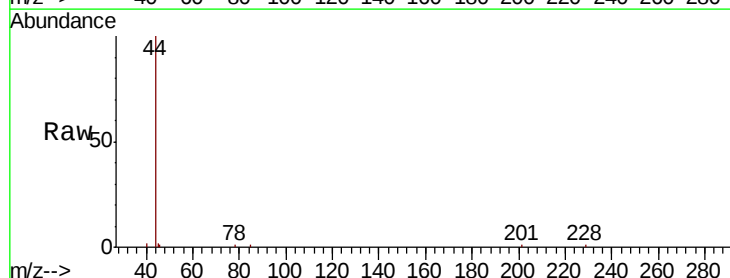
Acq: 1 Aug 2018 5:03

Tgt Ion: 85 Resp: 93

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

0.99

Time-->

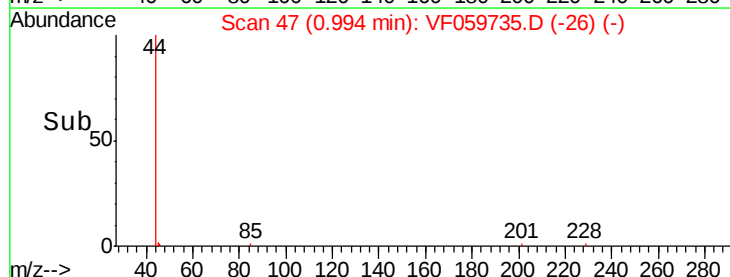
0.96 0.98 1.00 1.02

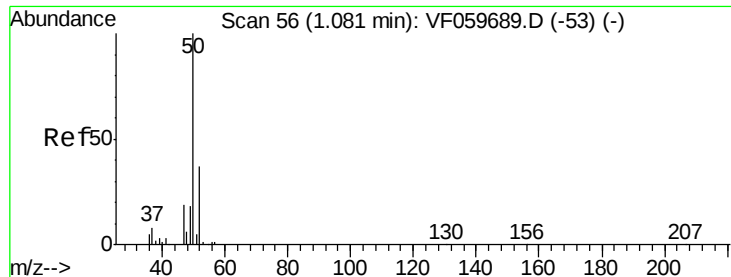
150

100

50

0





#3

Chloromethane

Concen: Below Cal

RT: 1.07 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF059735.D

Acq: 1 Aug 2018 5:03

Instrument :

MSVOA_F

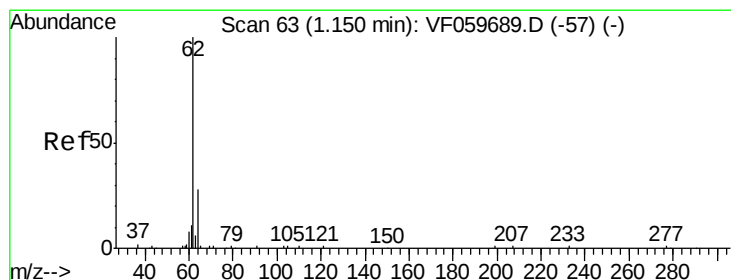
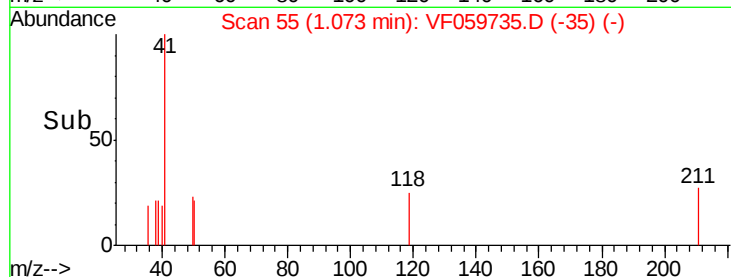
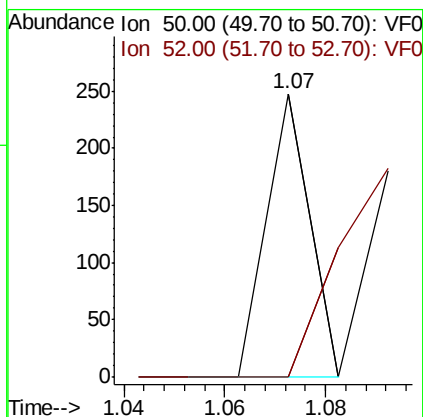
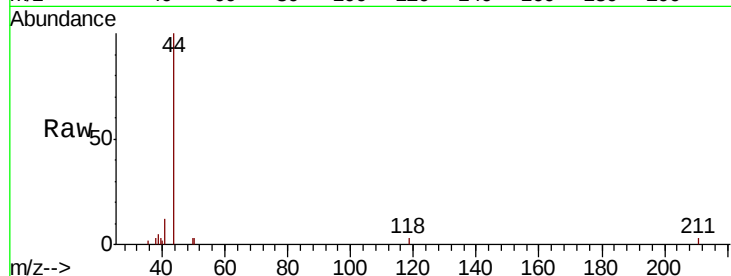
ClientSampleId :

Tot Ion: 50 Resp: 147

Ion Ratio Lower Upper

50 100

52 0.0 29.1 43.7#



#4

Vinyl Chloride

Concen: Below Cal

RT: 1.16 min Scan# 64

Delta R.T. 0.01 min

Lab File: VF059735.D

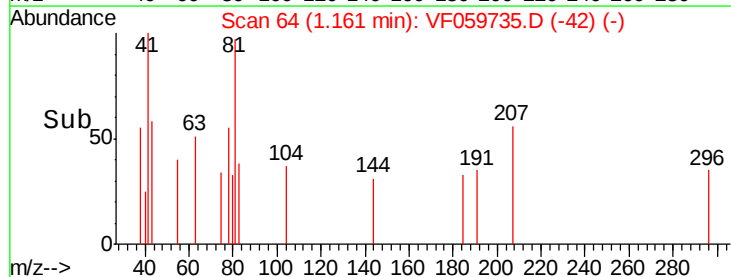
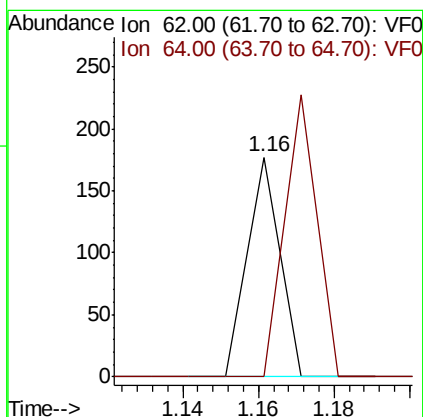
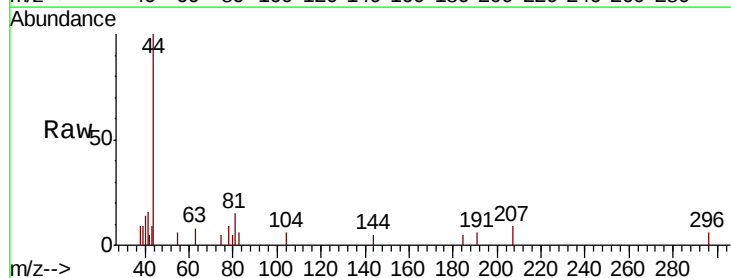
Acq: 1 Aug 2018 5:03

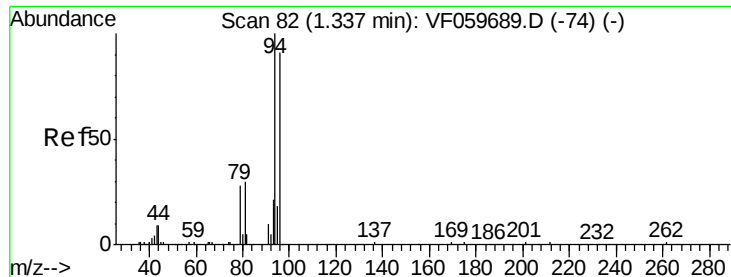
Tgt Ion: 62 Resp: 105

Ion Ratio Lower Upper

62 100

64 0.0 22.6 33.8#





#5

Bromomethane

Concen: Below Cal

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059735.D

Acq: 1 Aug 2018 5:03

Instrument :

MSVOA_F

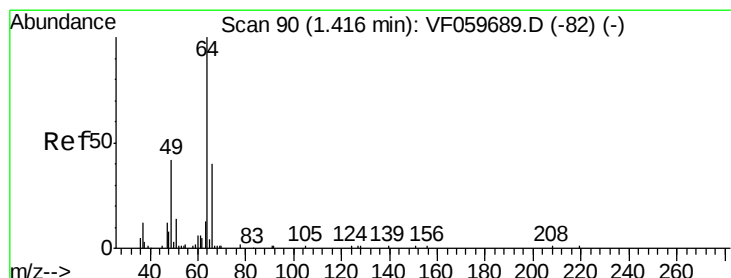
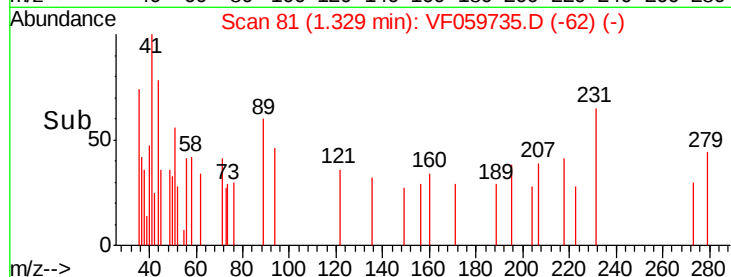
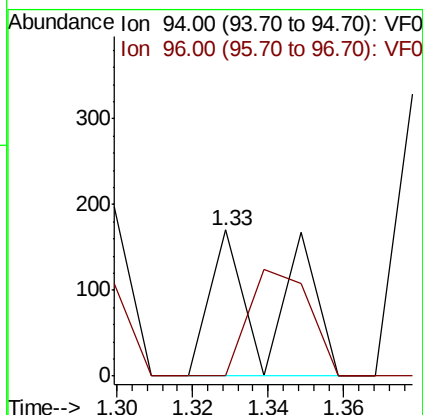
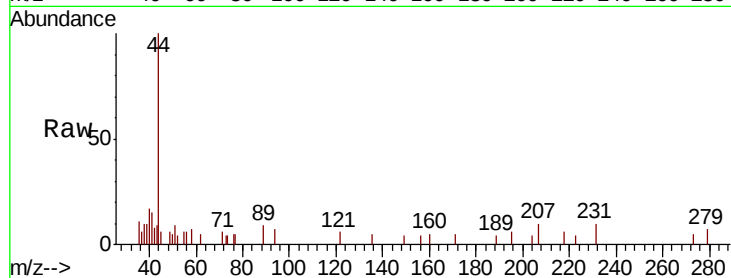
ClientSampleId :

Tot Ion: 94 Resp: 200

Ion Ratio Lower Upper

94 100

96 0.0 73.6 110.4#



#6

Chloroethane

Concen: Below Cal

RT: 1.41 min Scan# 89

Delta R.T. -0.01 min

Lab File: VF059735.D

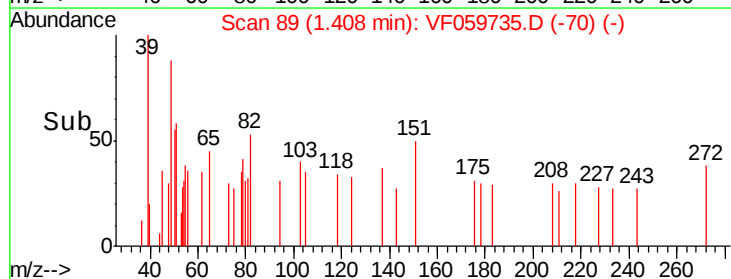
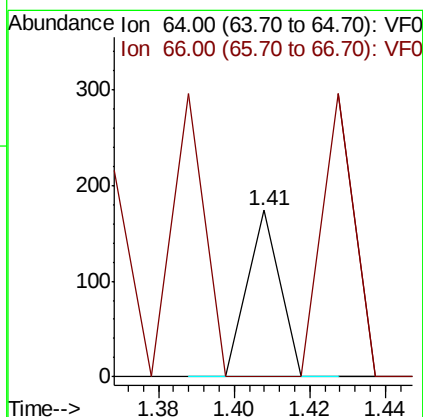
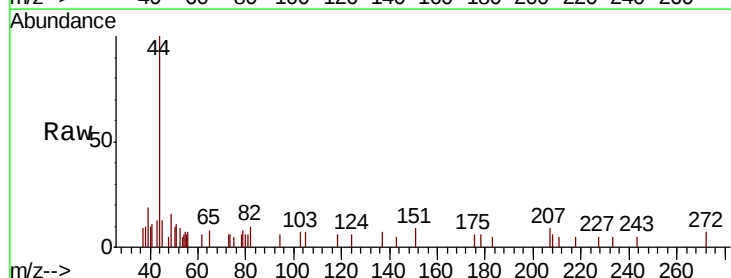
Acq: 1 Aug 2018 5:03

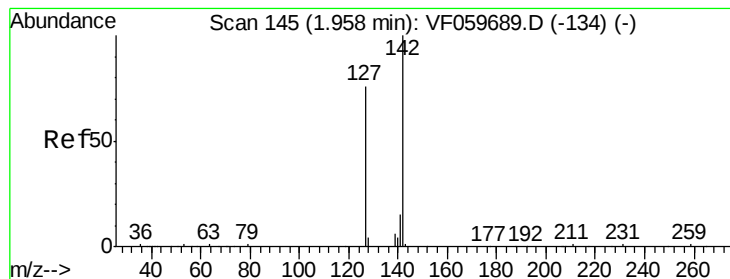
Tgt Ion: 64 Resp: 103

Ion Ratio Lower Upper

64 100

66 0.0 32.6 49.0#





#10

Methyl Iodide

Concen: Below Cal

RT: 1.98 min Scan# 147

Delta R.T. 0.02 min

Lab File: VF059735.D

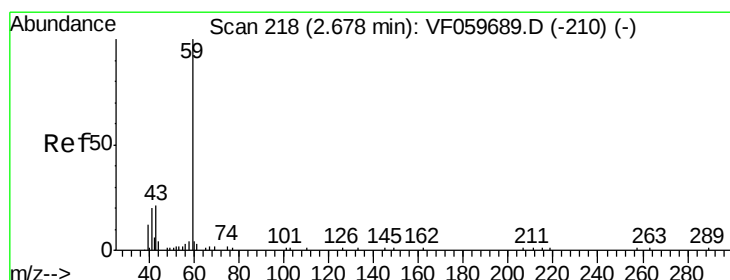
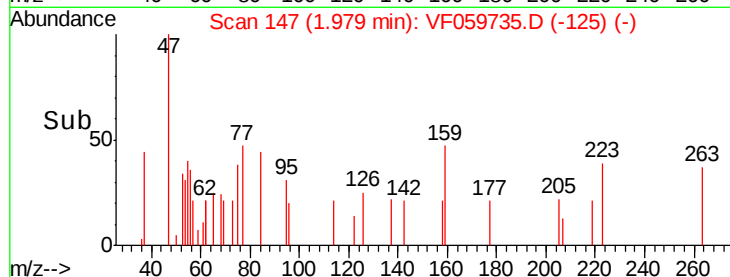
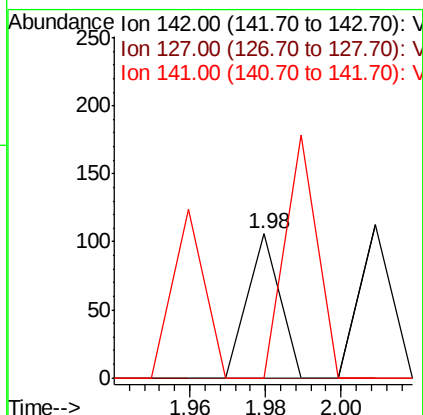
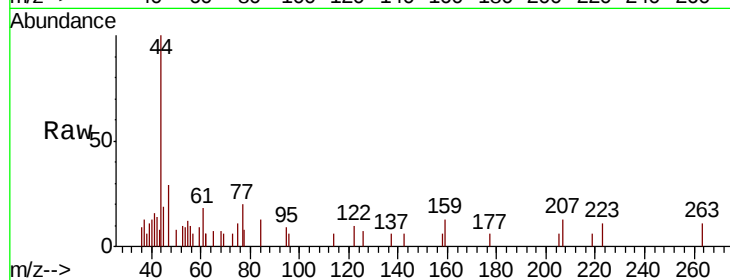
Acq: 1 Aug 2018 5:03

Instrument :

MSVOA_F

ClientSampled :

Tot 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: 2.006 ug/l

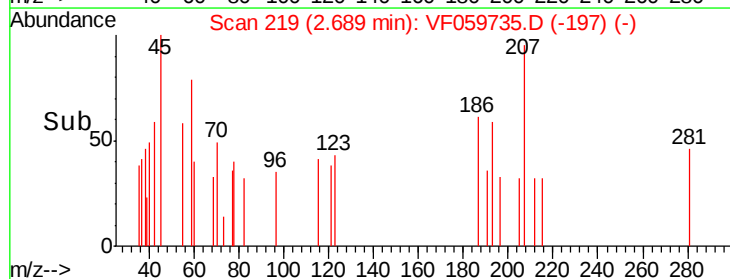
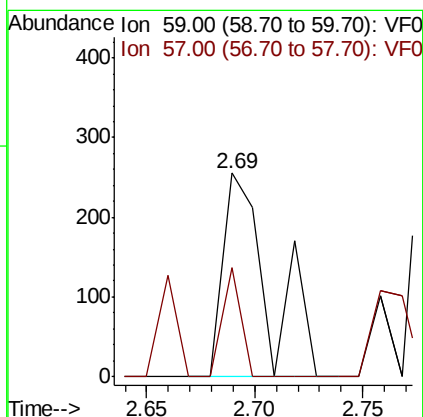
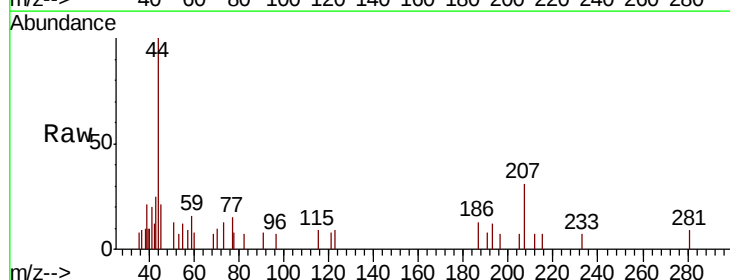
RT: 2.69 min Scan# 219

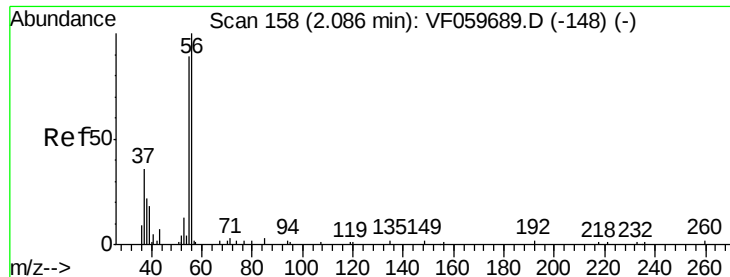
Delta R.T. 0.01 min

Lab File: VF059735.D

Acq: 1 Aug 2018 5:03

Tgt Ion	Ratio	Lower	Upper
59	100		
57	53.7	7.6	11.4#





#13

Acrolein

Concen: 21.089 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059735.D

Acq: 1 Aug 2018 5:03

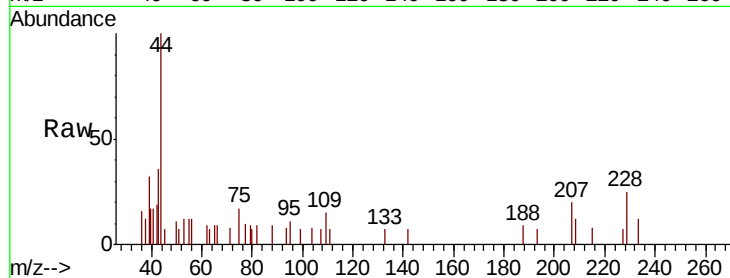
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 307

Ion Ratio Lower Upper

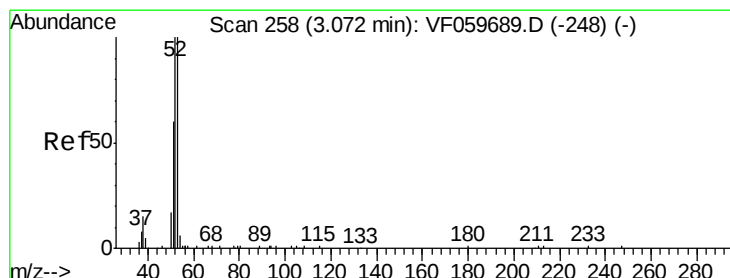
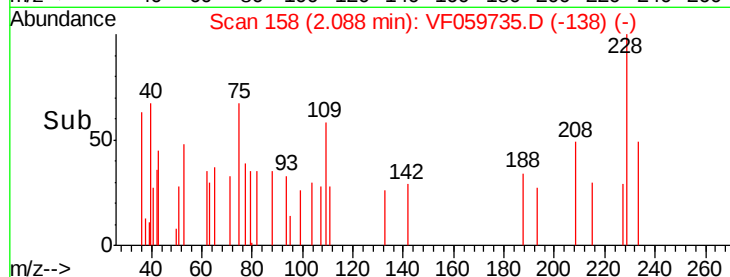
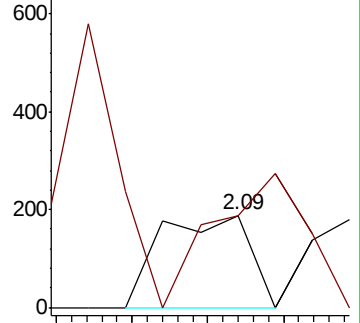
56 100

55 99.5 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: 1.292 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.02 min

Lab File: VF059735.D

Acq: 1 Aug 2018 5:03

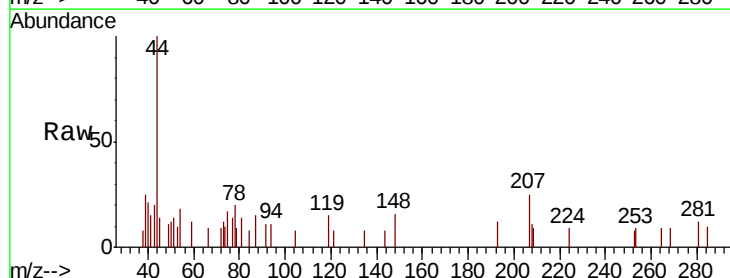
Tgt Ion: 53 Resp: 215

Ion Ratio Lower Upper

53 100

52 0.0 80.3 120.5#

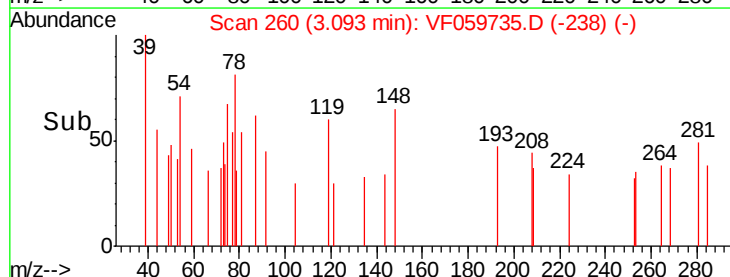
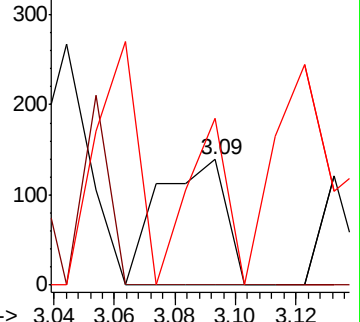
51 133.1 49.4 74.0#

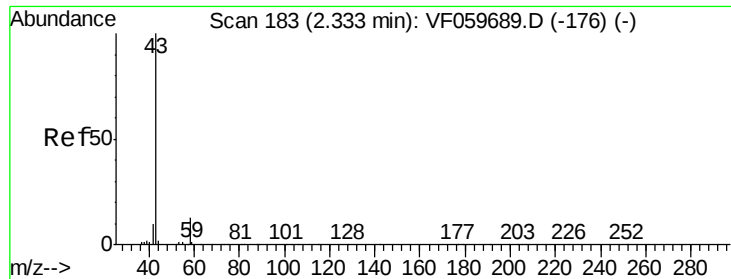


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: 19.467 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059735.D

Acq: 1 Aug 2018 5:03

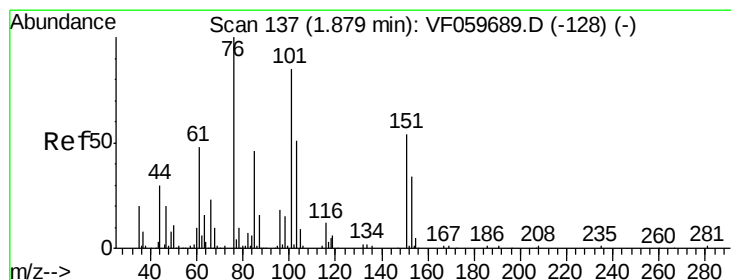
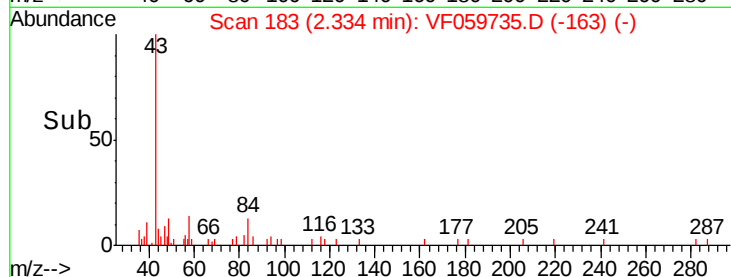
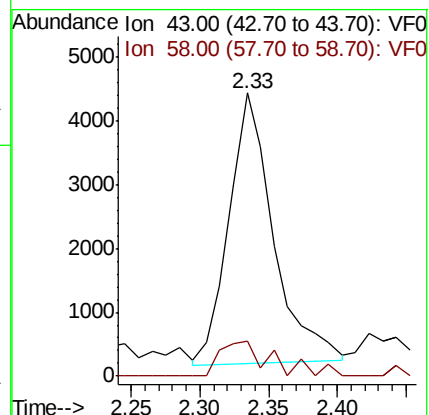
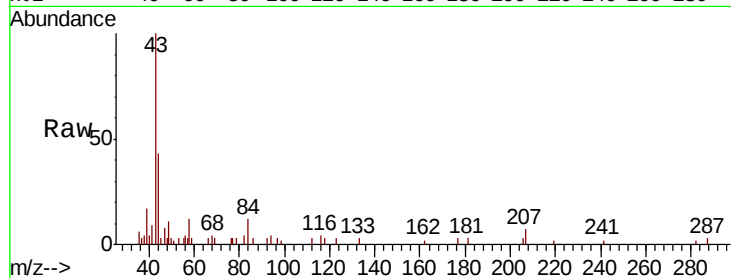
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 9479

Ion Ratio Lower Upper

43 100

58 12.3 10.1 15.1



#17

Carbon Disulfide

Concen: Below Cal

RT: 1.94 min Scan# 143

Delta R.T. 0.06 min

Lab File: VF059735.D

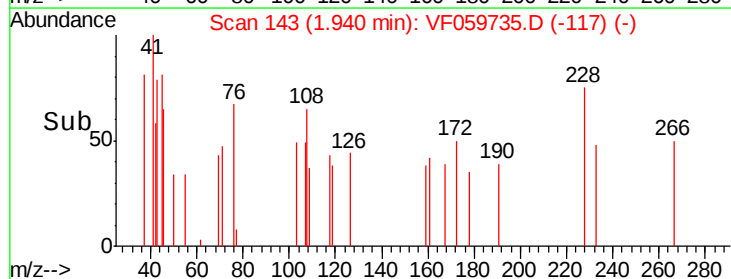
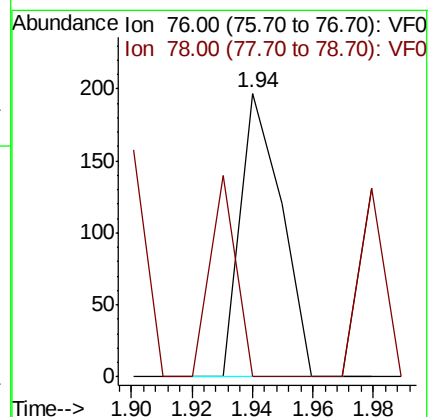
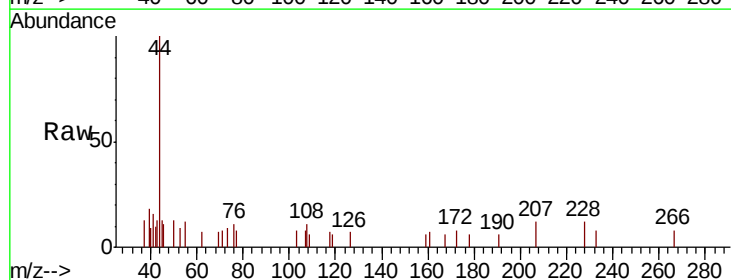
Acq: 1 Aug 2018 5:03

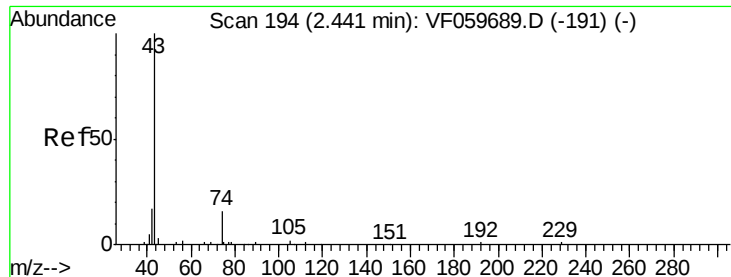
Tgt Ion: 76 Resp: 187

Ion Ratio Lower Upper

76 100

78 0.0 8.9 13.3#

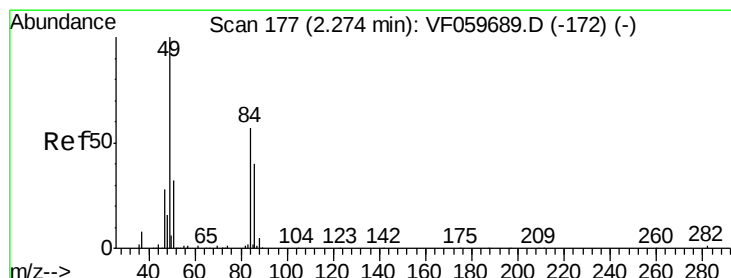
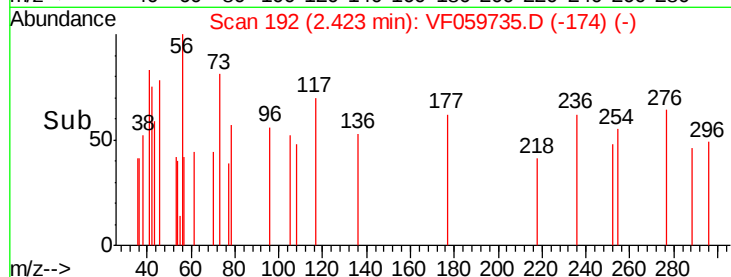
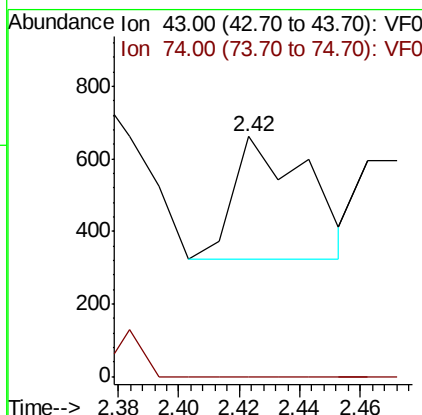
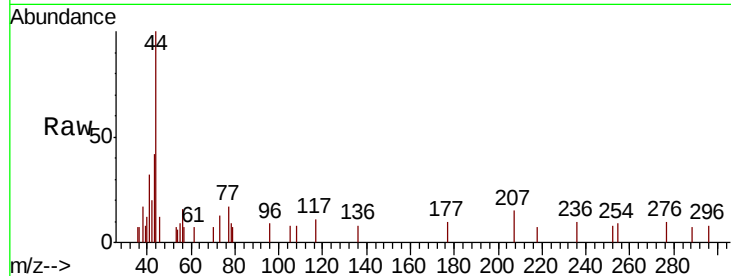




#18
Methyl Acetate
Concen: Below Cal
RT: 2.42 min Scan# 192
Delta R.T. -0.02 min
Lab File: VF059735.D
Acq: 1 Aug 2018 5:03

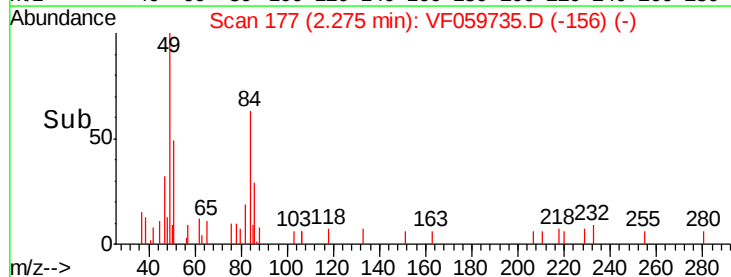
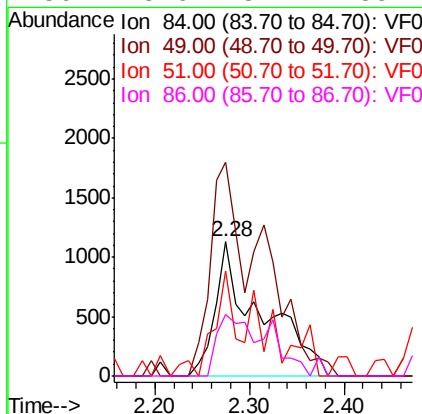
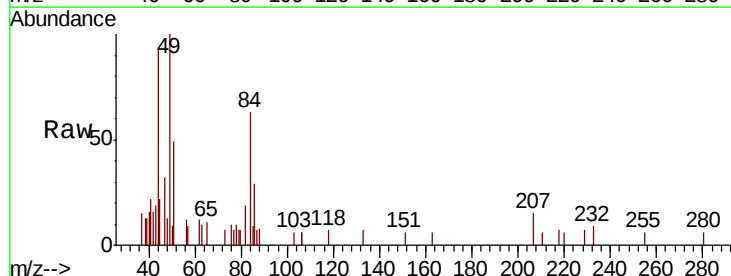
Instrument :
MSVOA_F
ClientSampled :

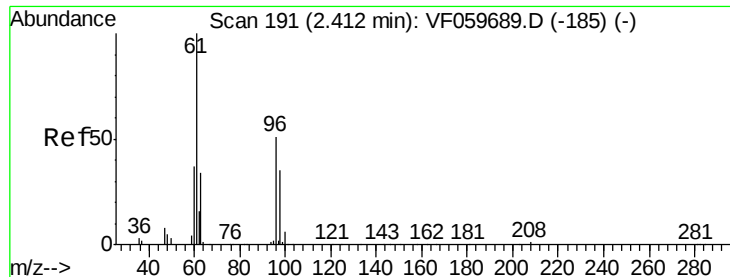
Tot Ion: 43 Resp: 572
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059735.D
Acq: 1 Aug 2018 5:03

Tgt Ion: 84 Resp: 3798
Ion Ratio Lower Upper
84 100
49 159.5 142.2 213.4
51 78.6 46.2 69.2#
86 45.6 57.1 85.7#





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 2.43 min Scan# 193

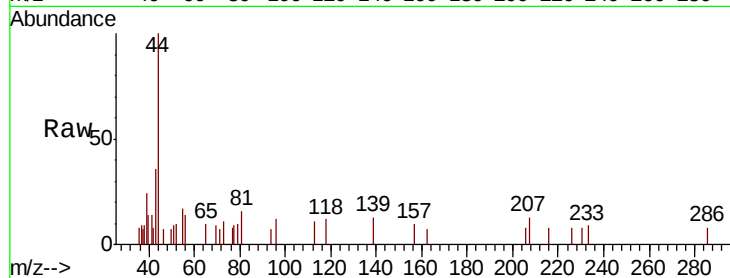
Delta R.T. 0.02 min

Lab File: VF059735.D

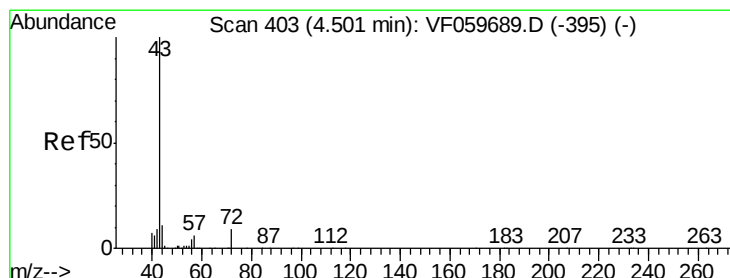
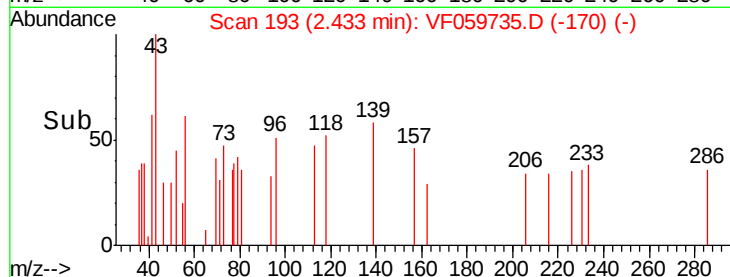
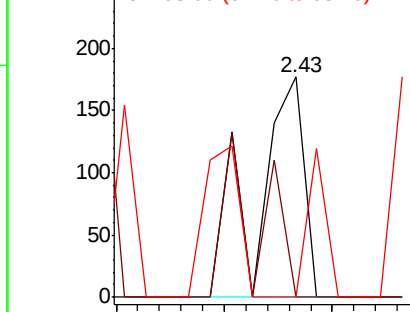
Acq: 1 Aug 2018 5:03

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	96	Resp:	266
Ion	Ratio	Lower	Upper
96	100		
61	0.0	157.4	236.0#
98	0.0	55.0	82.4#



Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



#25

2-Butanone

Concen: 1.255 ug/l

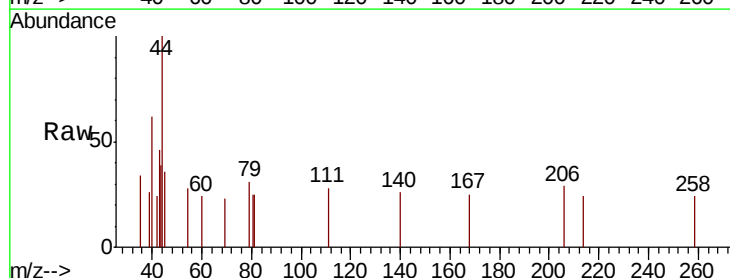
RT: 4.52 min Scan# 405

Delta R.T. 0.02 min

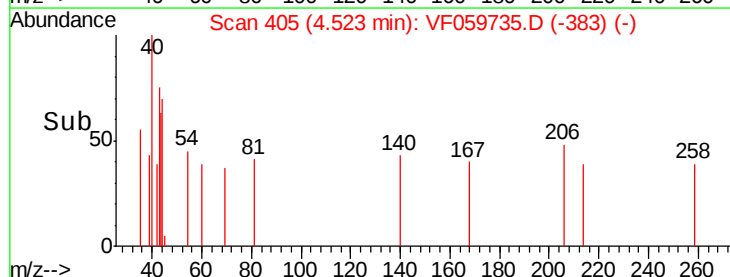
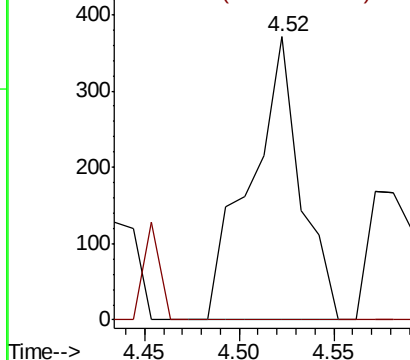
Lab File: VF059735.D

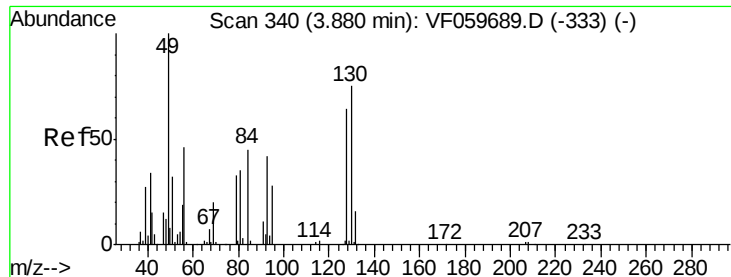
Acq: 1 Aug 2018 5:03

Tgt Ion:	43	Resp:	682
Ion	Ratio	Lower	Upper
43	100		
72	0.0	7.7	11.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0





#28

Bromochloromethane

Concen: Below Cal

RT: 4.02 min Scan# 354

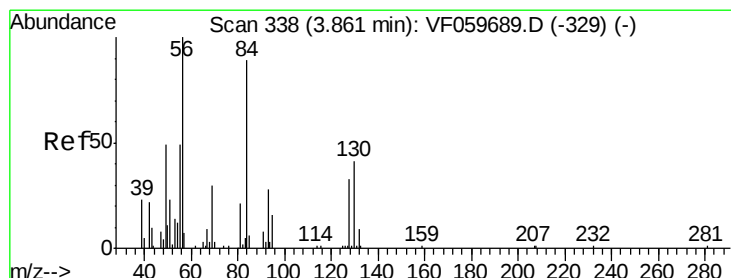
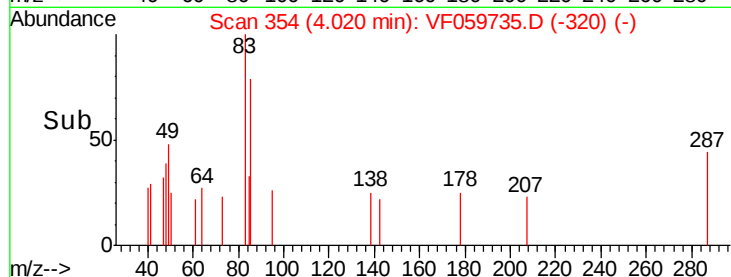
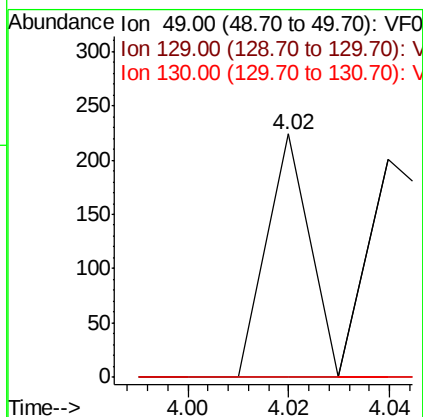
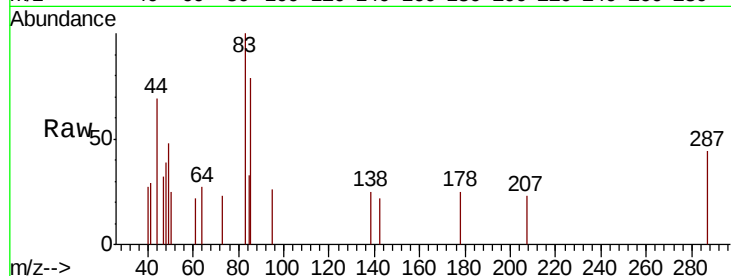
Delta R.T. 0.14 min

Lab File: VF059735.D

Acq: 1 Aug 2018 5:03

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 49 Resp: 132
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.8
130 0.0 59.6 89.4#



#31

Cyclohexane

Concen: Below Cal

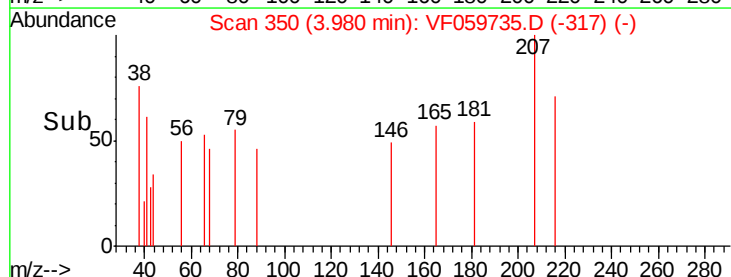
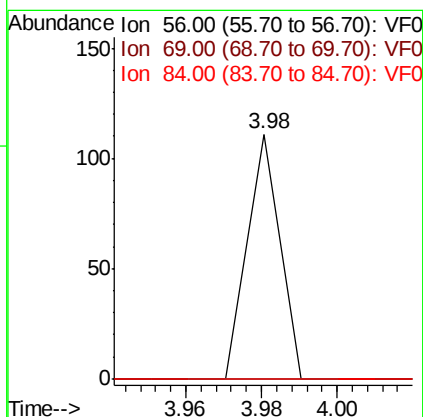
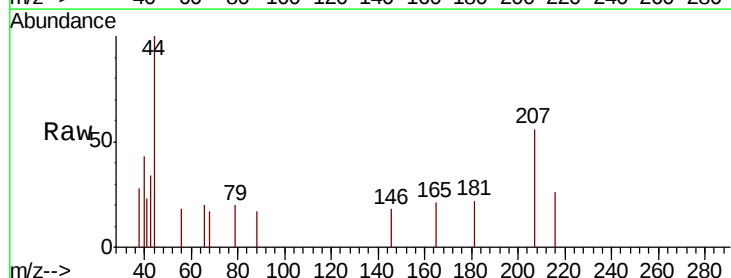
RT: 3.98 min Scan# 350

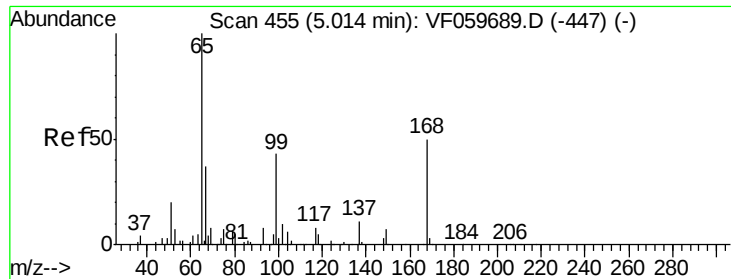
Delta R.T. 0.12 min

Lab File: VF059735.D

Acq: 1 Aug 2018 5:03

Tgt Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
69 0.0 23.7 35.5#
84 0.0 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 63.006 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.01 min

Lab File: VF059735.D

Acq: 1 Aug 2018 5:03

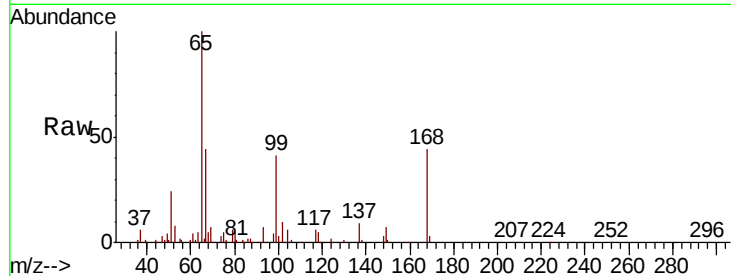
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 170563

Ion Ratio Lower Upper

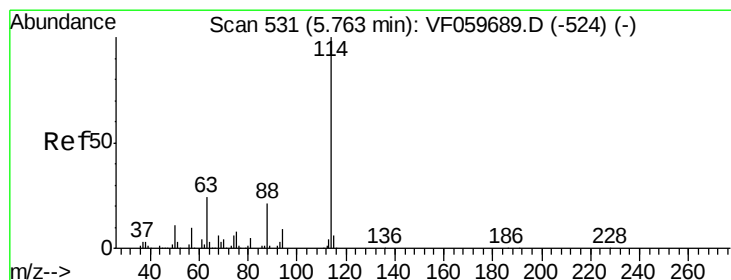
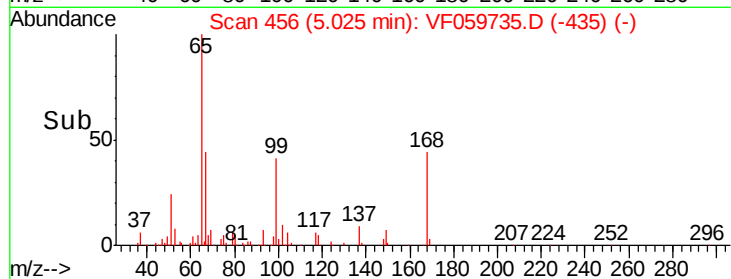
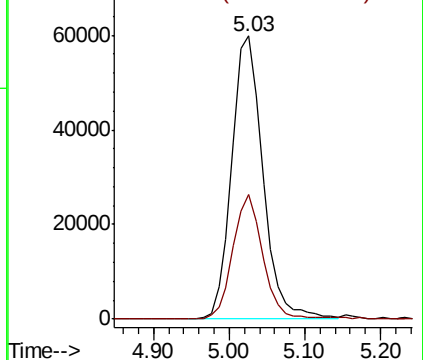
65 100

67 44.0 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: 5.77 min Scan# 532

Delta R.T. 0.01 min

Lab File: VF059735.D

Acq: 1 Aug 2018 5:03

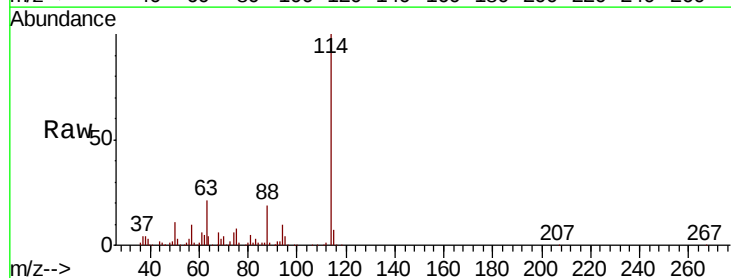
Tgt Ion: 114 Resp: 231826

Ion Ratio Lower Upper

114 100

63 21.0 0.0 47.4

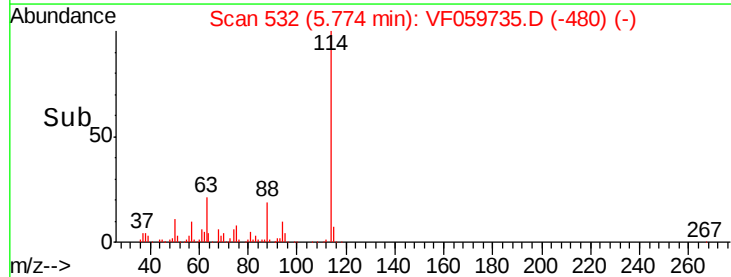
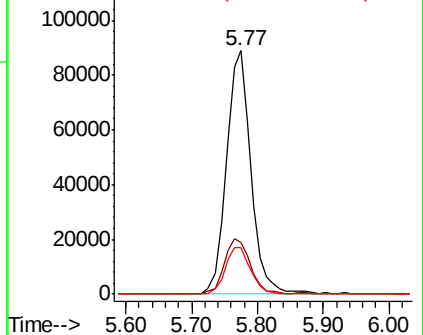
88 19.0 0.0 41.2

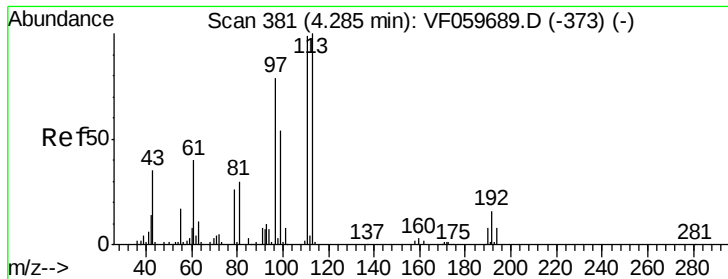


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 55.607 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059735.D

Acq: 1 Aug 2018 5:03

Instrument :

MSVOA_F

ClientSampleId :

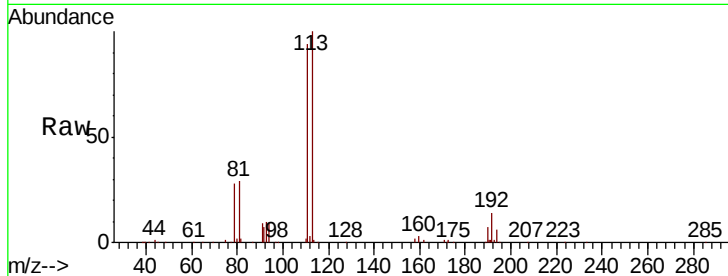
Tot Ion:113 Resp: 133895

Ion Ratio Lower Upper

113 100

111 93.6 79.0 118.4

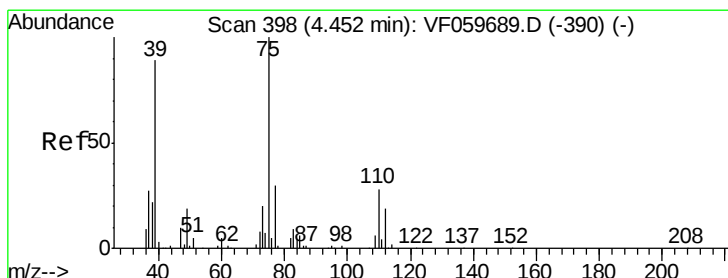
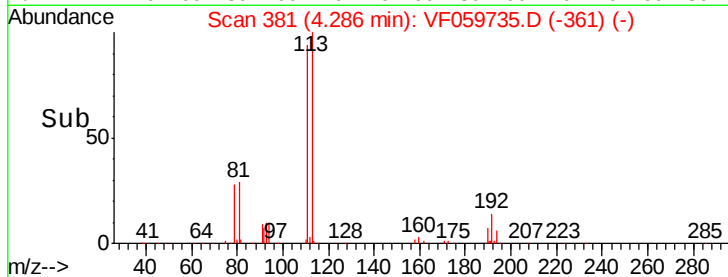
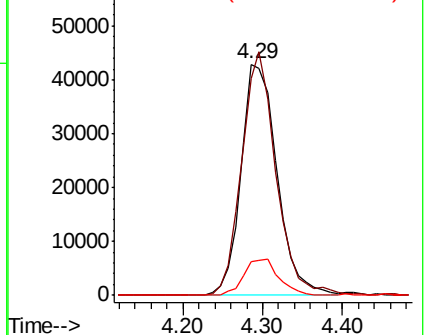
192 14.4 13.2 19.8



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



#36

1,1-Dichloropropene

Concen: Below Cal

RT: 4.48 min Scan# 401

Delta R.T. 0.03 min

Lab File: VF059735.D

Acq: 1 Aug 2018 5:03

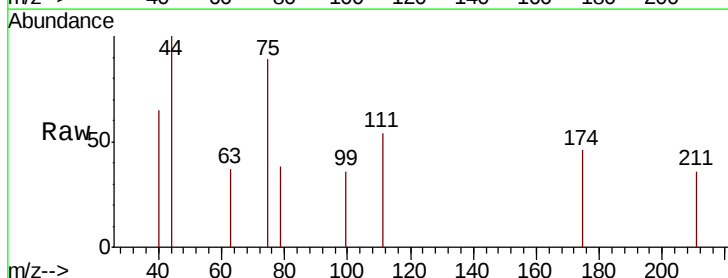
Tgt Ion: 75 Resp: 409

Ion Ratio Lower Upper

75 100

110 0.0 14.0 41.9#

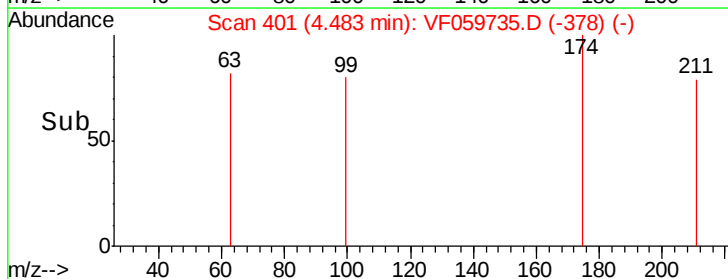
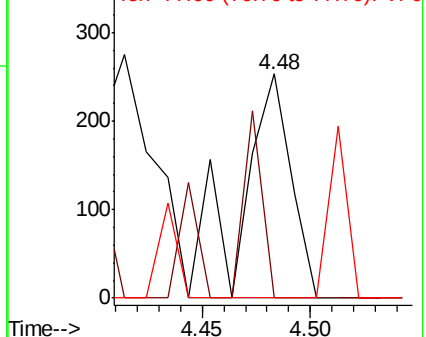
77 0.0 24.2 36.2#

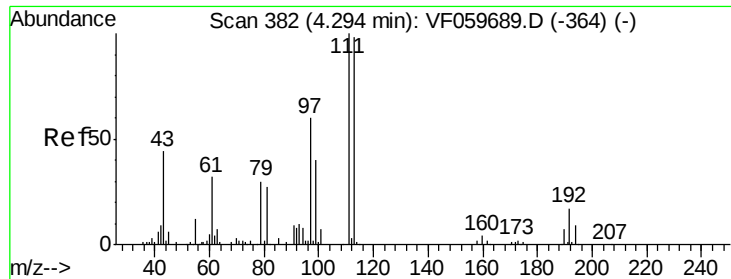


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

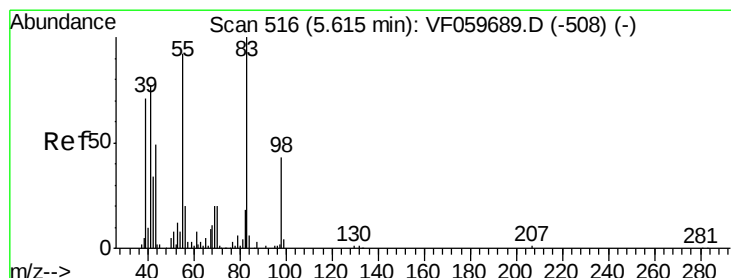
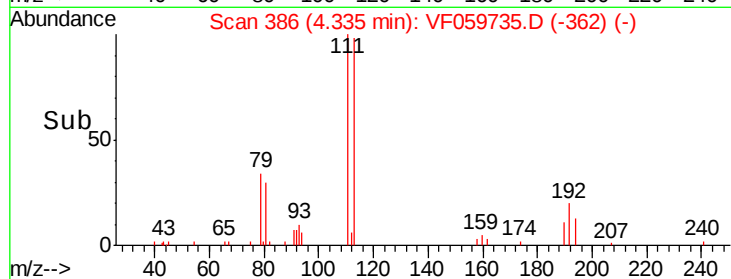
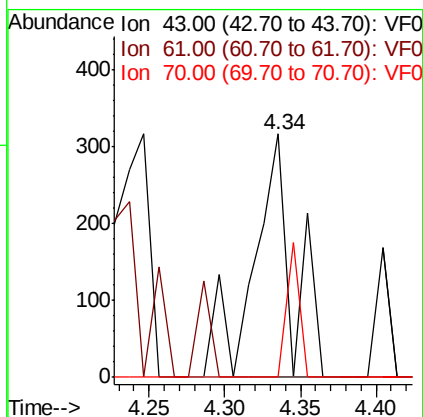
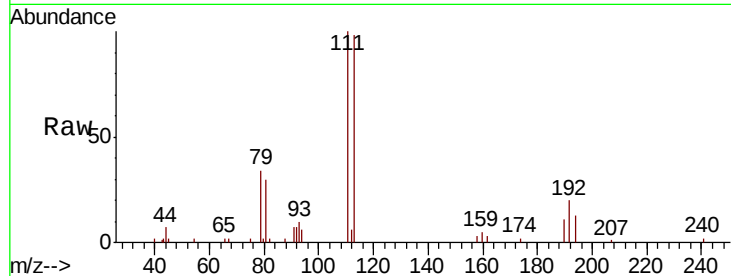




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 386
Delta R.T. 0.04 min
Lab File: VF059735.D
Acq: 1 Aug 2018 5:03

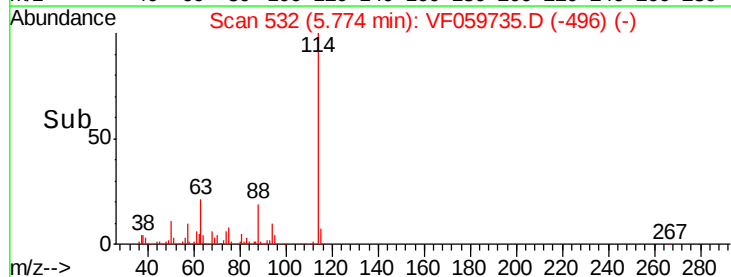
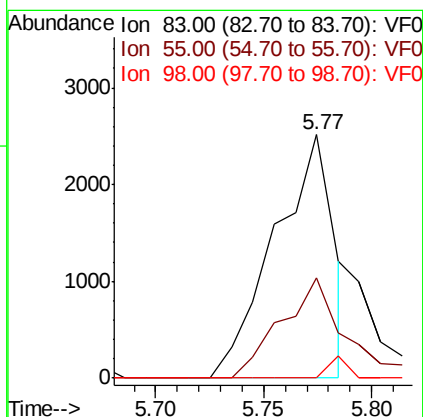
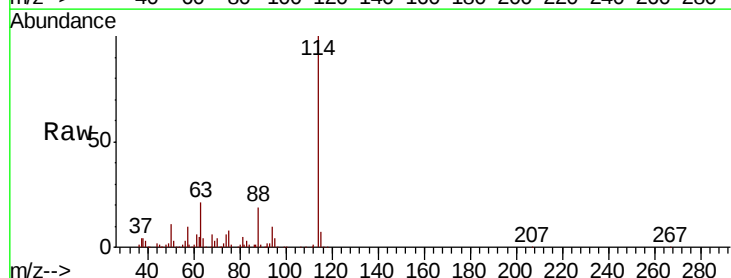
Instrument :
MSVOA_F
ClientSampleId :

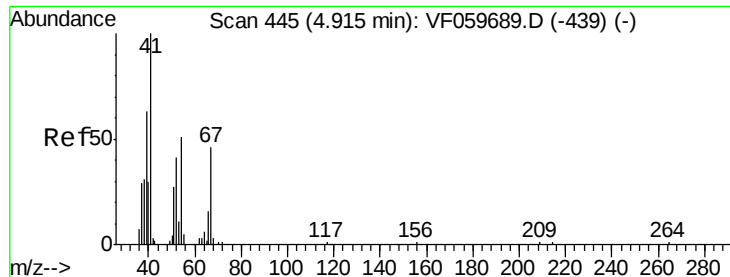
Tot Ion: 43 Resp: 583
Ion Ratio Lower Upper
43 100
61 0.0 58.2 87.2#
70 0.0 6.0 9.0#



#39
Methylcyclohexane
Concen: Below Cal
RT: 5.77 min Scan# 532
Delta R.T. 0.16 min
Lab File: VF059735.D
Acq: 1 Aug 2018 5:03

Tgt Ion: 83 Resp: 4814
Ion Ratio Lower Upper
83 100
55 41.1 73.4 110.2#
98 0.0 34.2 51.4#

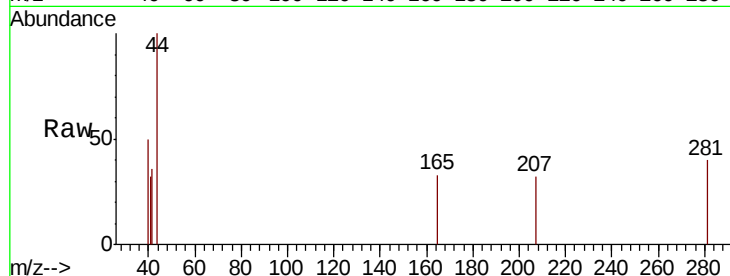




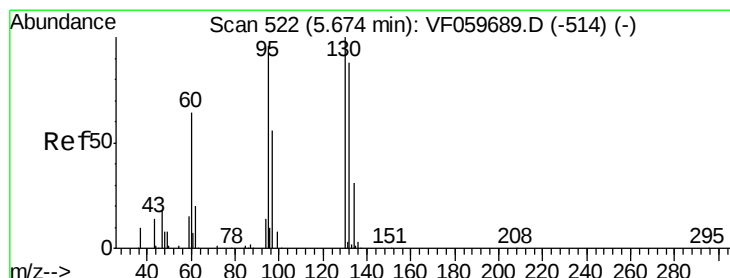
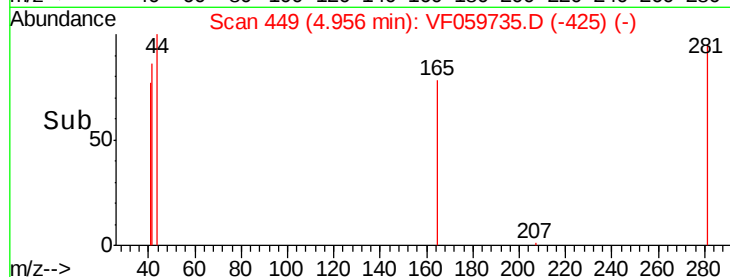
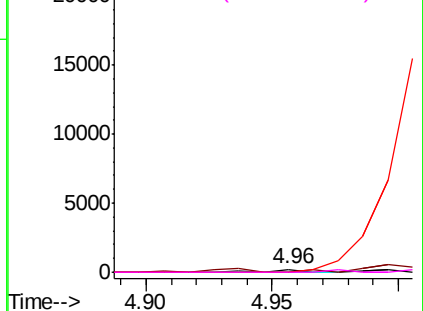
#41
Methacrylonitrile
Concen: Below Cal
RT: 4.96 min Scan# 449
Delta R.T. 0.04 min
Lab File: VF059735.D
Acq: 1 Aug 2018 5:03

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	41	Resp:	203
Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.2	82.8#
67	0.0	36.2	54.2#
52	0.0	37.7	56.5#

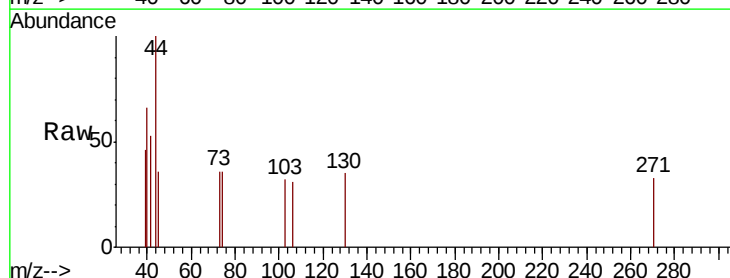


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

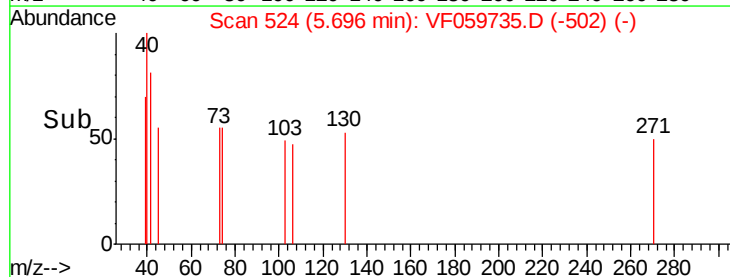
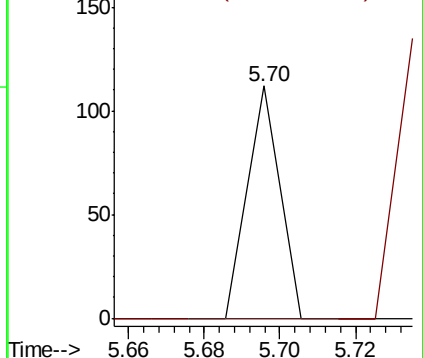


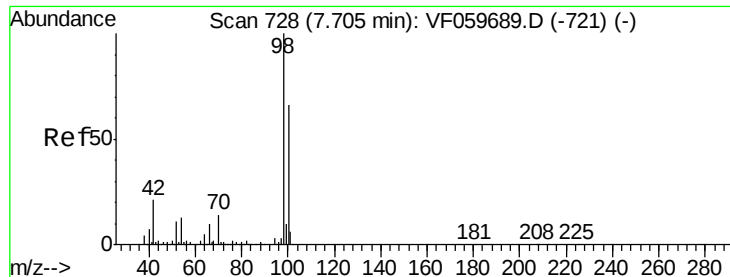
#44
Trichloroethene
Concen: Below Cal
RT: 5.70 min Scan# 524
Delta R.T. 0.02 min
Lab File: VF059735.D
Acq: 1 Aug 2018 5:03

Tgt Ion:	130	Resp:	66
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





#50

Toluene-d8

Concen: 39.064 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.01 min

Lab File: VF059735.D

Acq: 1 Aug 2018 5:03

Instrument :

MSVOA_F

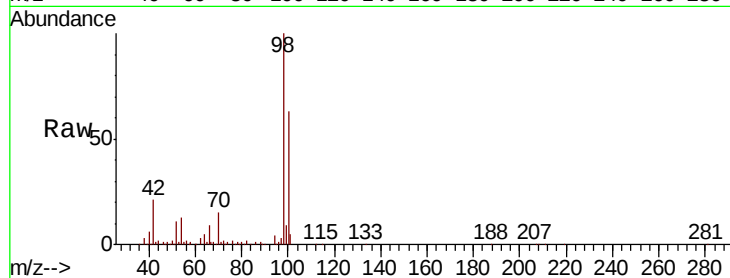
ClientSampled :

Tot Ion: 98 Resp: 219344

Ion Ratio Lower Upper

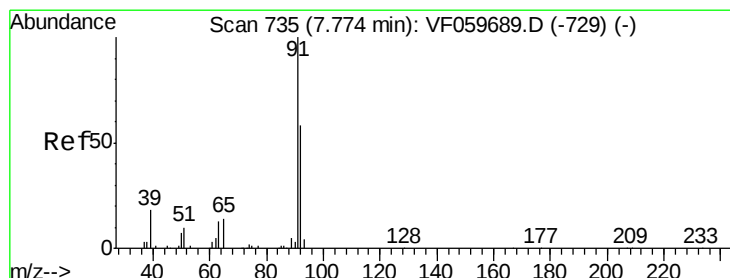
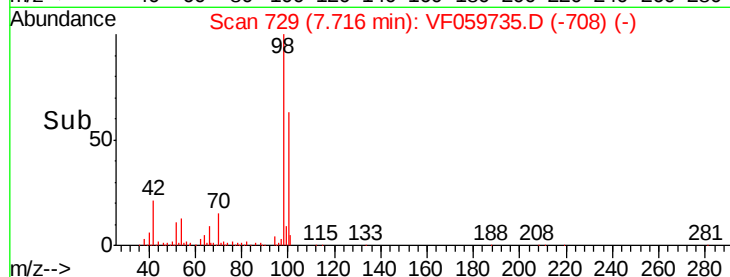
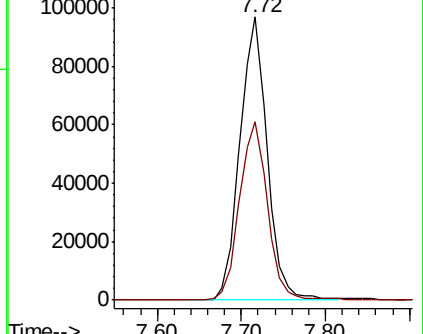
98 100

100 63.0 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#52

Toluene

Concen: Below Cal

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF059735.D

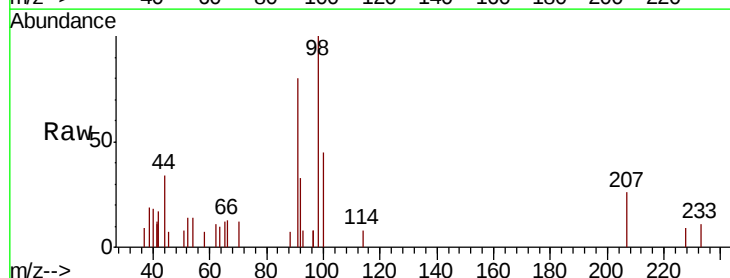
Acq: 1 Aug 2018 5:03

Tgt Ion: 92 Resp: 1225

Ion Ratio Lower Upper

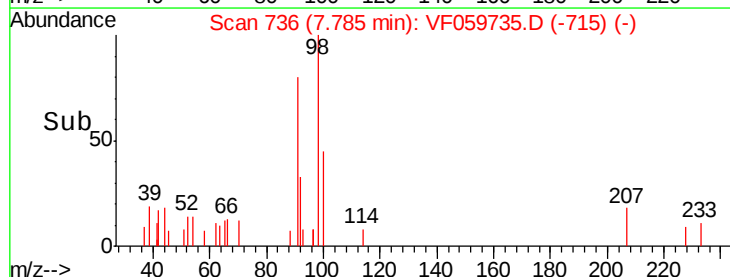
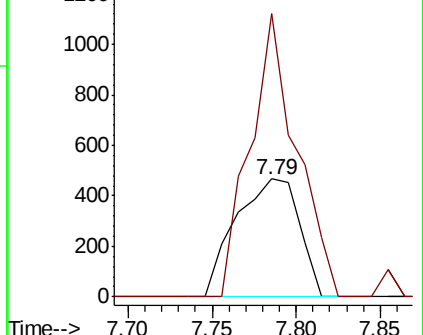
92 100

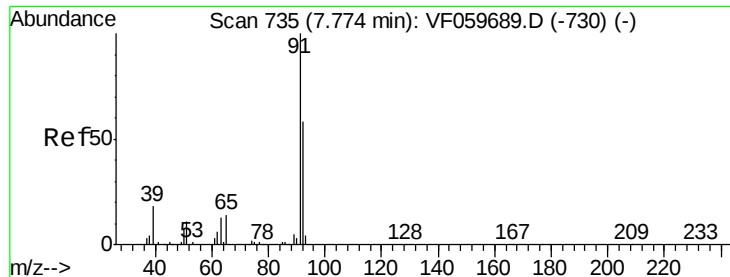
91 240.0 139.0 208.4#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

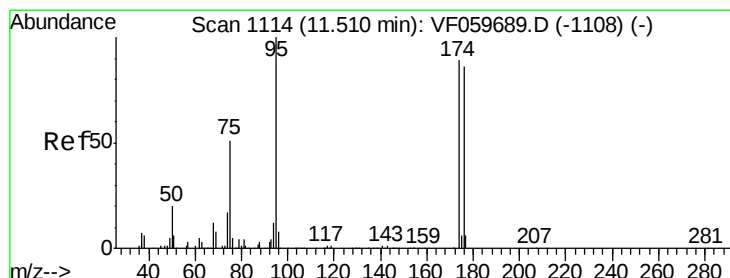
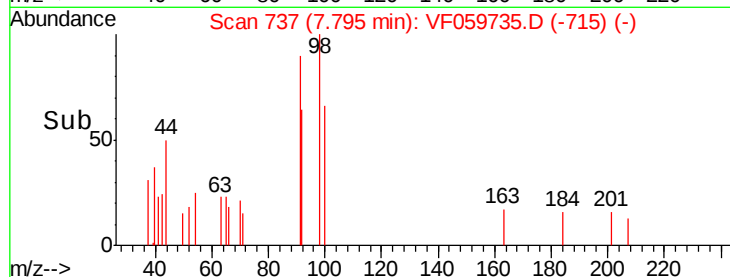
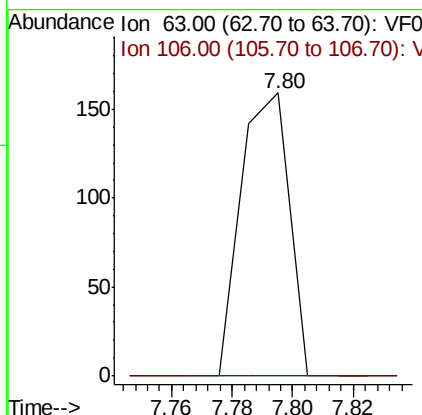
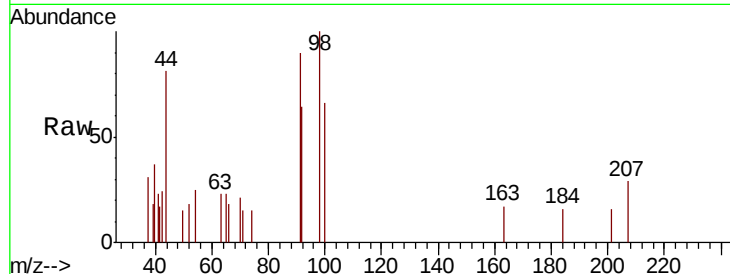




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.166 ug/l
 RT: 7.80 min Scan# 737
 Delta R.T. 0.02 min
 Lab File: VF059735.D
 Acq: 1 Aug 2018 5:03

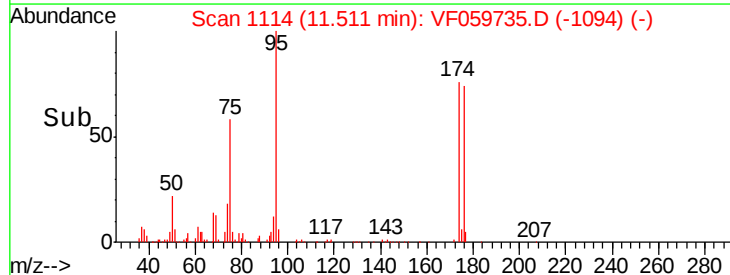
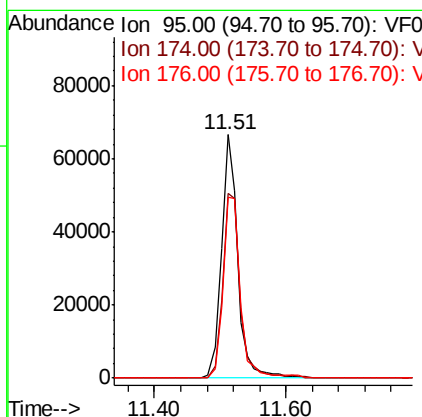
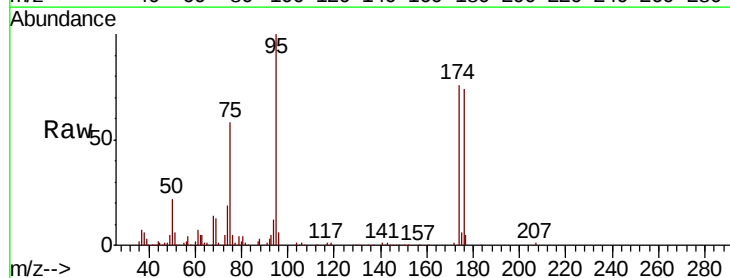
Instrument :
 MSVOA_F
 ClientSampleId :

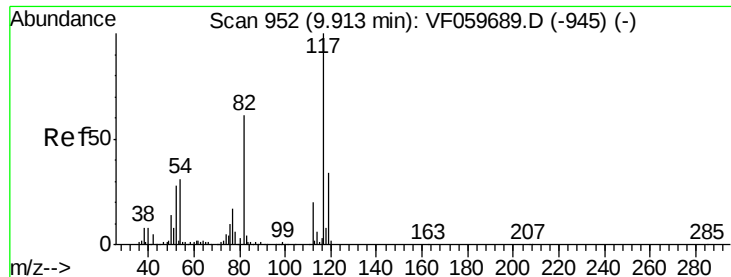
Tot Ion: 63 Resp: 178
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 37.028 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VF059735.D
 Acq: 1 Aug 2018 5:03

Tgt Ion: 95 Resp: 115100
 Ion Ratio Lower Upper
 95 100
 174 75.7 0.0 178.4
 176 74.2 0.0 173.0

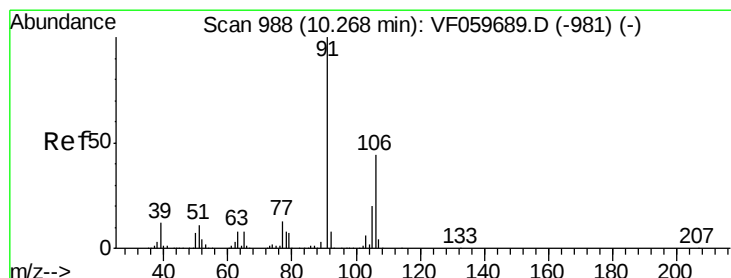
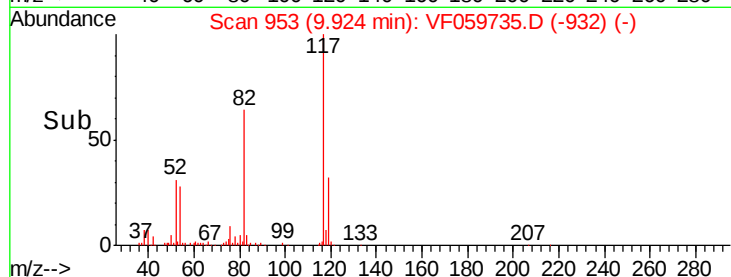
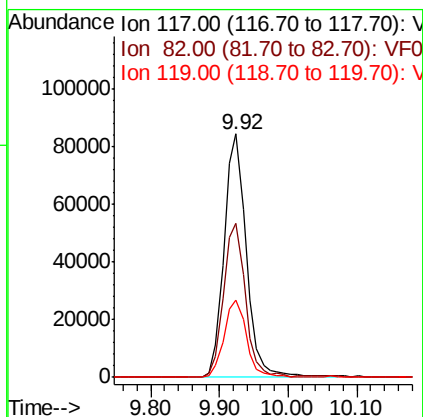
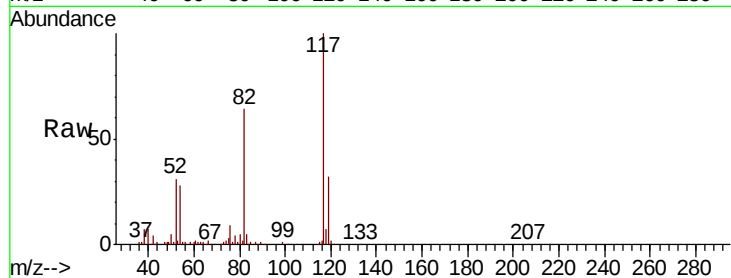




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF059735.D
Acq: 1 Aug 2018 5:03

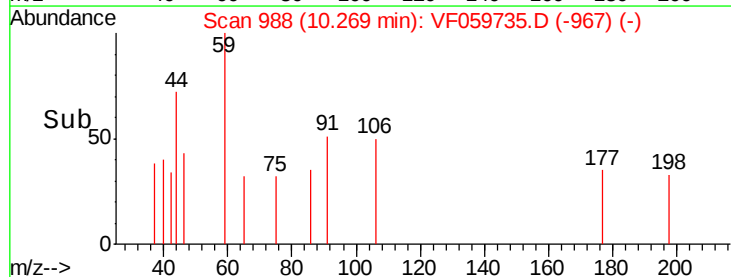
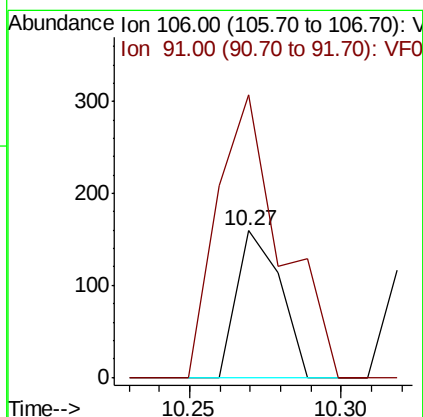
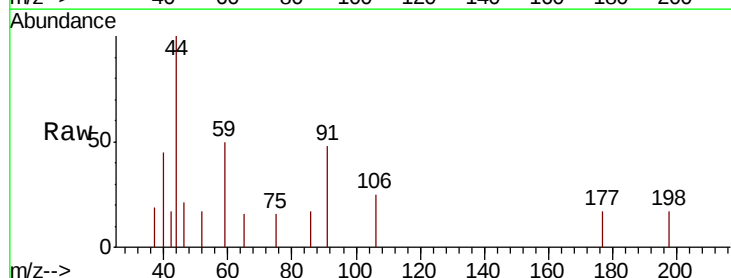
Instrument :
MSVOA_F
ClientSampleId :

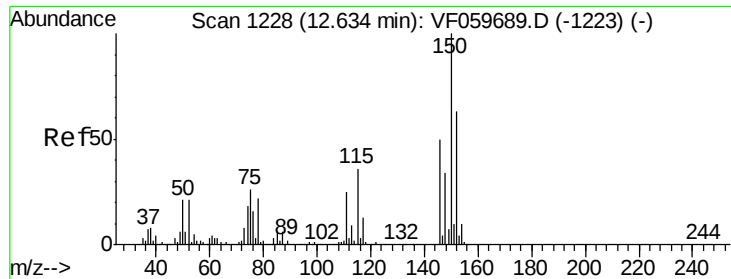
Tot Ion:117 Resp: 189107
Ion Ratio Lower Upper
117 100
82 63.5 49.0 73.4
119 31.7 27.3 40.9



#68
m/p-Xylenes
Concen: Below Cal
RT: 10.27 min Scan# 988
Delta R.T. 0.00 min
Lab File: VF059735.D
Acq: 1 Aug 2018 5:03

Tgt Ion:106 Resp: 161
Ion Ratio Lower Upper
106 100
91 193.7 181.7 272.5



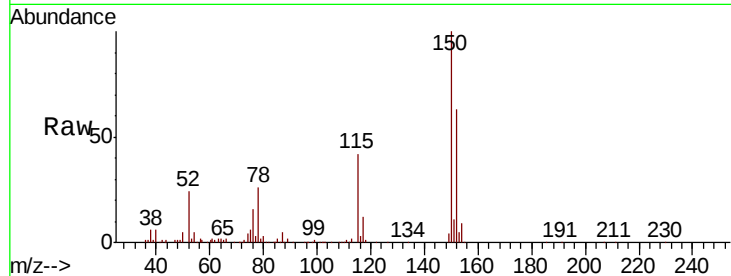


#72

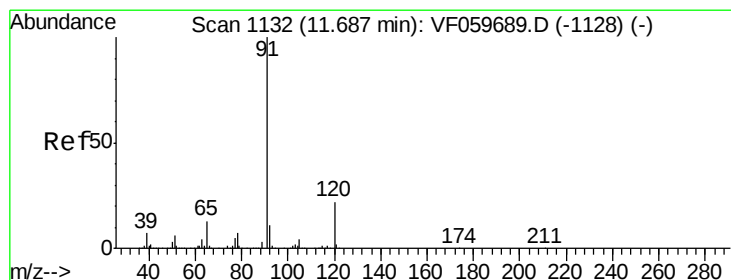
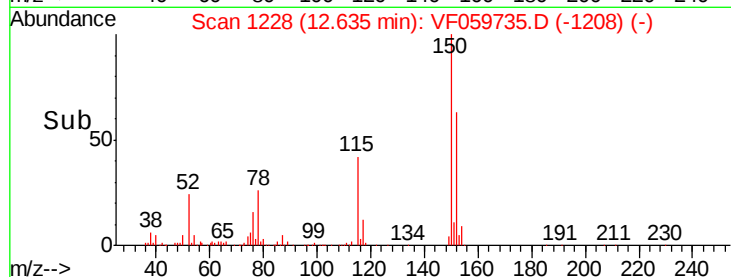
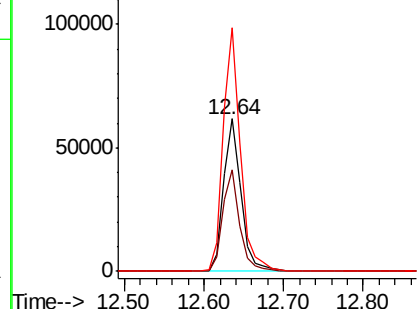
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059735.D
Acq: 1 Aug 2018 5:03

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:152 Resp: 96122
Ion Ratio Lower Upper
152 100
115 67.0 28.2 84.6
150 159.9 0.0 316.2



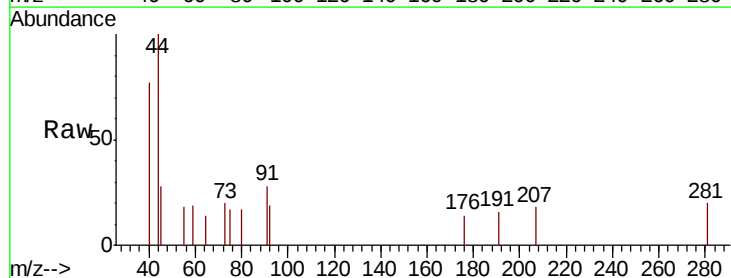
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



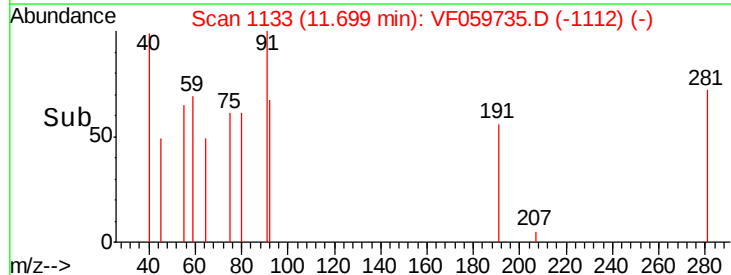
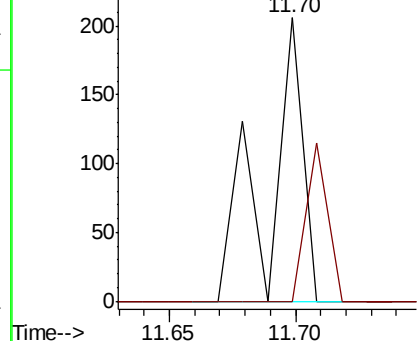
#78

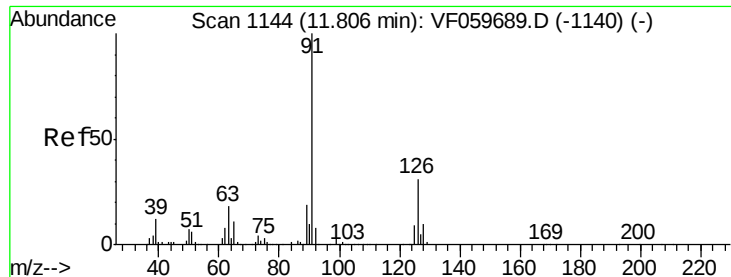
n-propylbenzene
Concen: Below Cal
RT: 11.70 min Scan# 1133
Delta R.T. 0.01 min
Lab File: VF059735.D
Acq: 1 Aug 2018 5:03

Tgt Ion: 91 Resp: 199
Ion Ratio Lower Upper
91 100
120 0.0 11.0 33.0#



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.79 min Scan# 1142

Delta R.T. -0.02 min

Lab File: VF059735.D

Acq: 1 Aug 2018 5:03

Instrument :

MSVOA_F

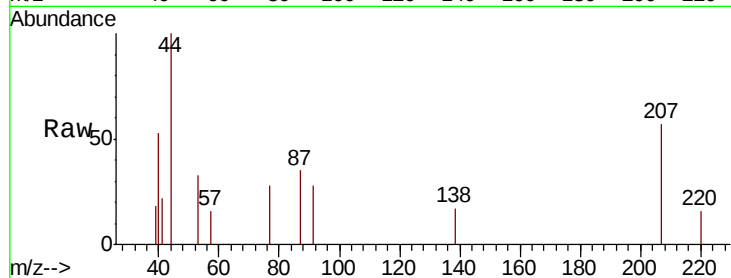
ClientSampleId :

Tot Ion: 91 Resp: 105

Ion Ratio Lower Upper

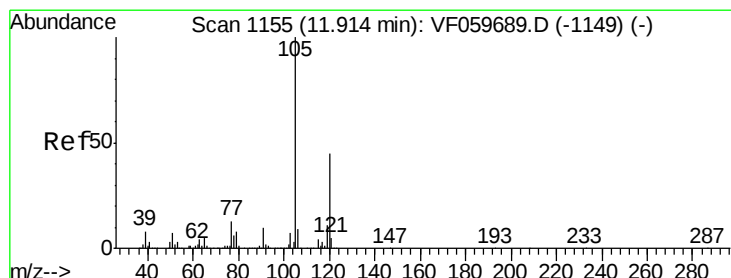
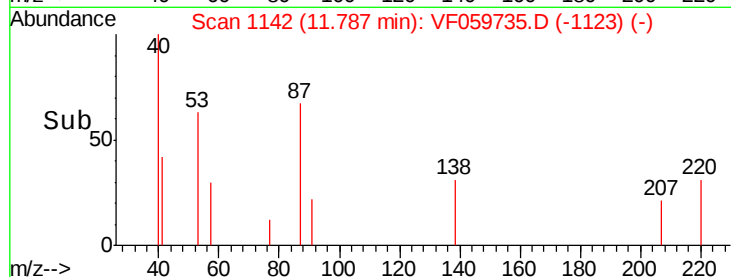
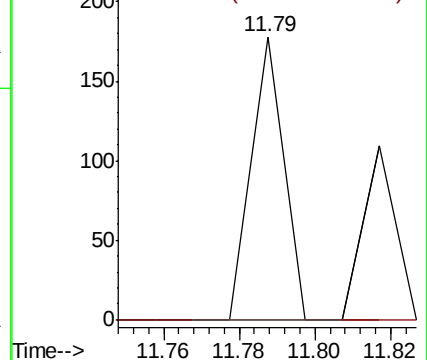
91 100

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: 12.02 min Scan# 1166

Delta R.T. 0.11 min

Lab File: VF059735.D

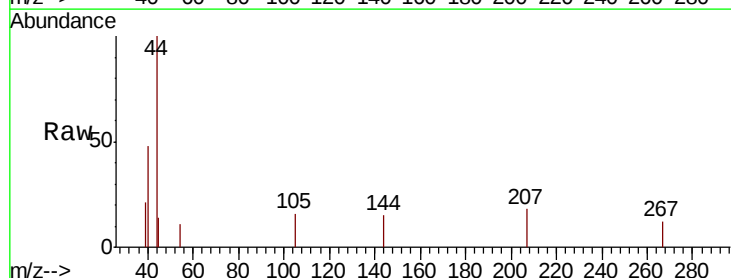
Acq: 1 Aug 2018 5:03

Tgt Ion:105 Resp: 90

Ion Ratio Lower Upper

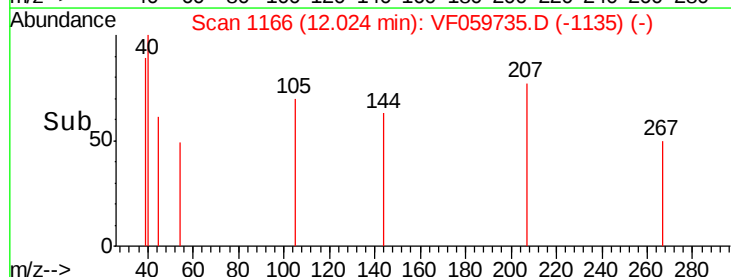
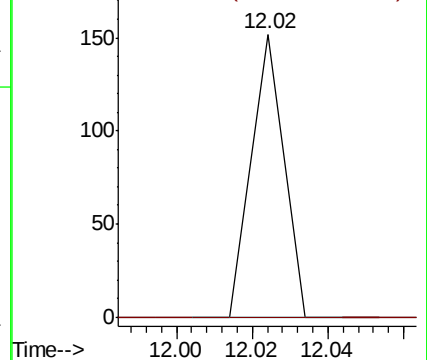
105 100

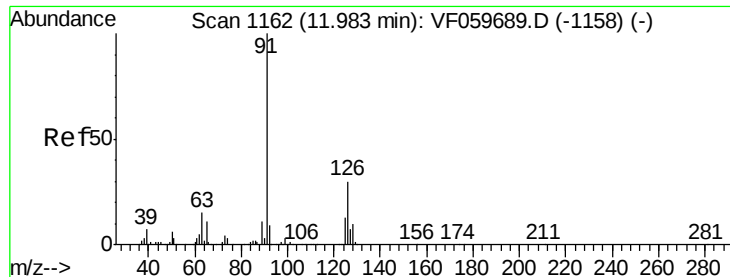
120 0.0 22.7 68.0#



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# 1163

Delta R.T. 0.01 min

Lab File: VF059735.D

Acq: 1 Aug 2018 5:03

Instrument :

MSVOA_F

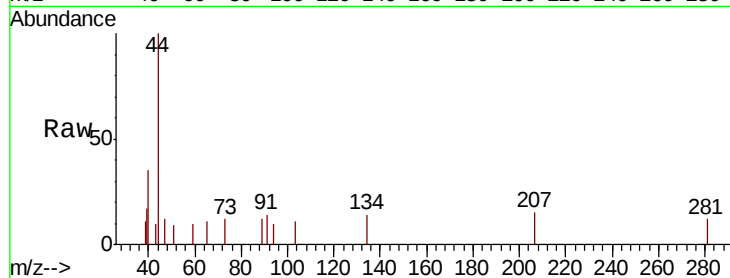
ClientSampleId :

Tot Ion: 91 Resp: 180

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

11.99

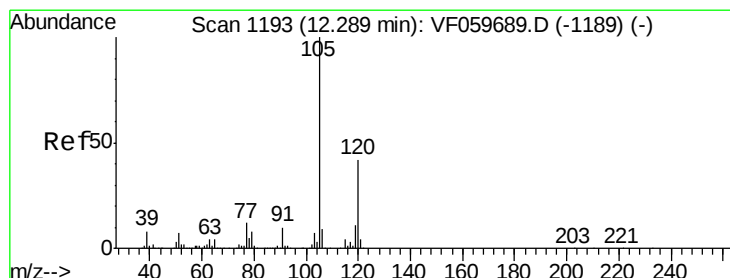
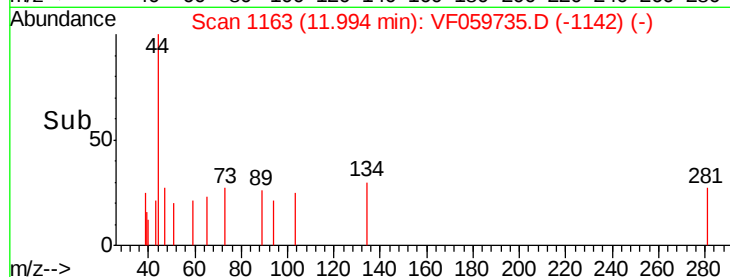
150

100

50

0

Time-->



#84

1,2,4-Trimethylbenzene

Concen: Below Cal

RT: 12.28 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF059735.D

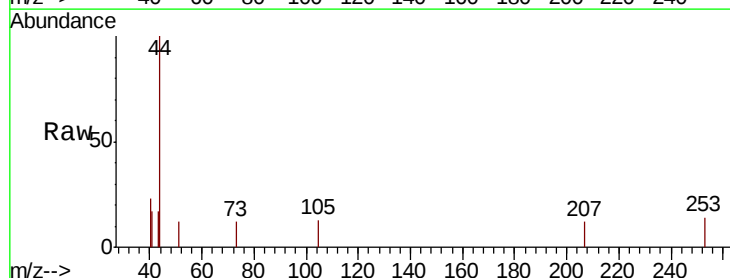
Acq: 1 Aug 2018 5:03

Tgt Ion:105 Resp: 73

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

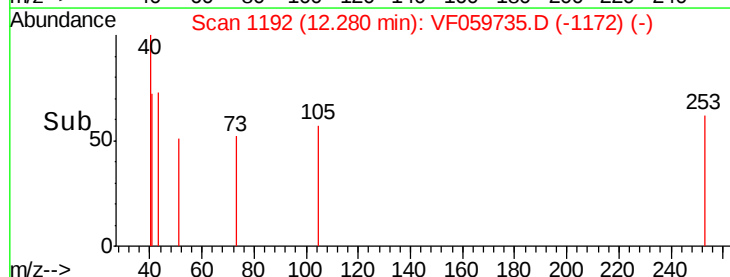
12.28

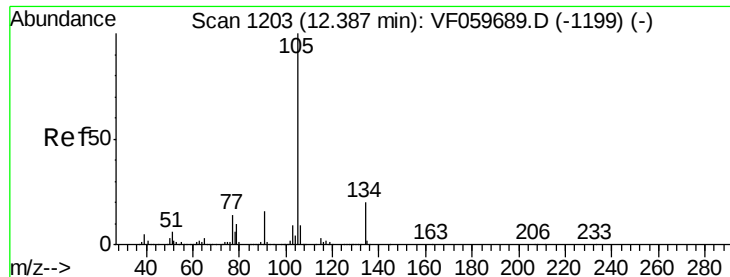
100

50

0

Time-->





#85

sec-Butylbenzene

Concen: Below Cal

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059735.D

Acq: 1 Aug 2018 5:03

Instrument :

MSVOA_F

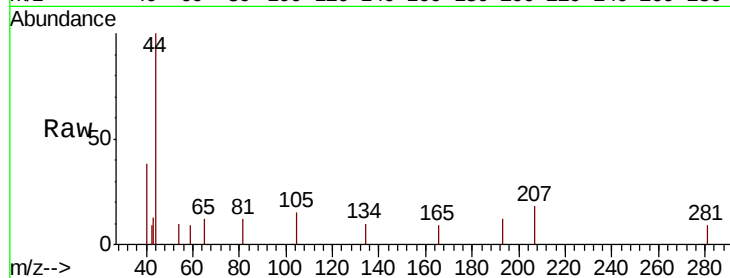
ClientSampleId :

Tot Ion:105 Resp: 96

Ion Ratio Lower Upper

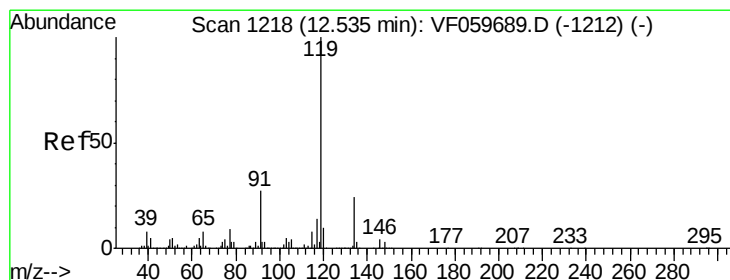
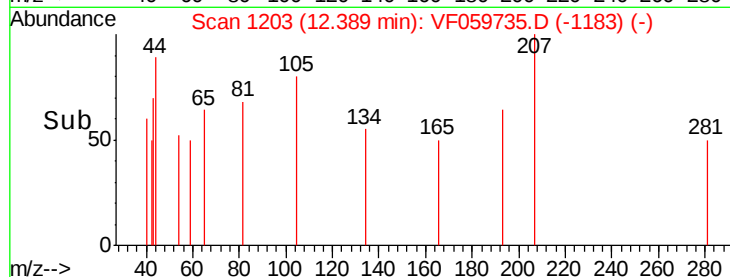
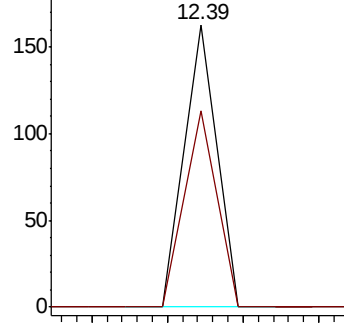
105 100

134 69.3 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: Below Cal

RT: 12.51 min Scan# 1215

Delta R.T. -0.03 min

Lab File: VF059735.D

Acq: 1 Aug 2018 5:03

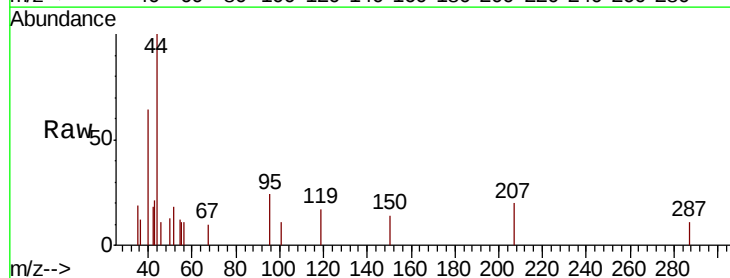
Tgt Ion:119 Resp: 177

Ion Ratio Lower Upper

119 100

134 0.0 12.2 36.6#

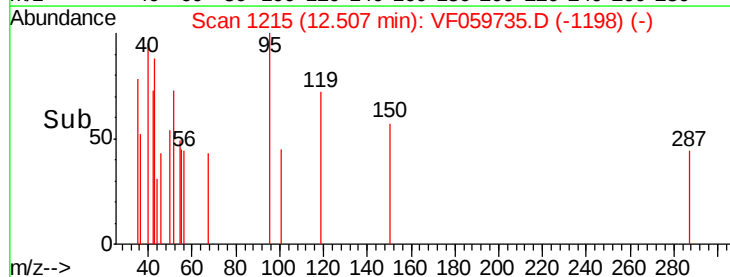
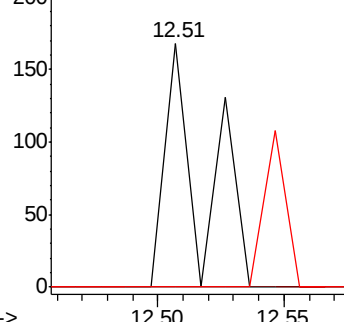
91 0.0 13.4 40.2#

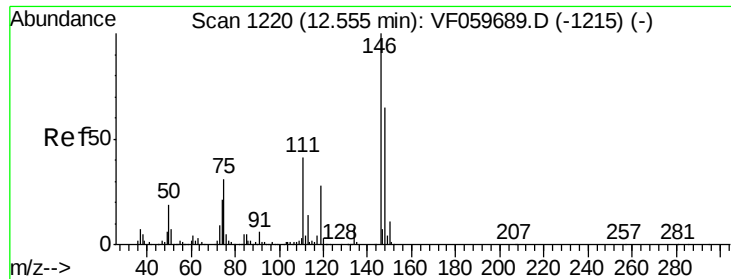


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

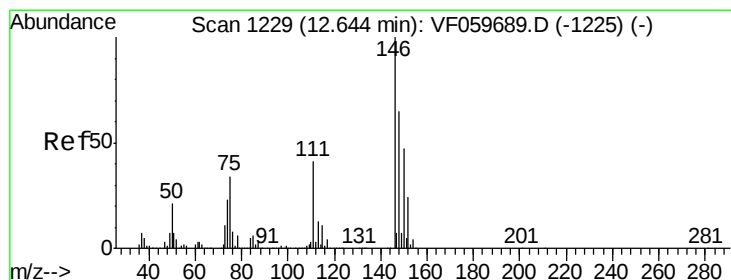
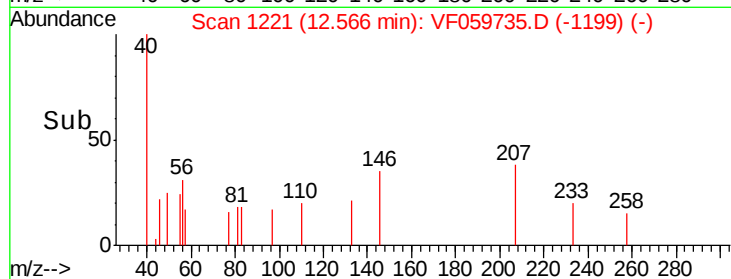
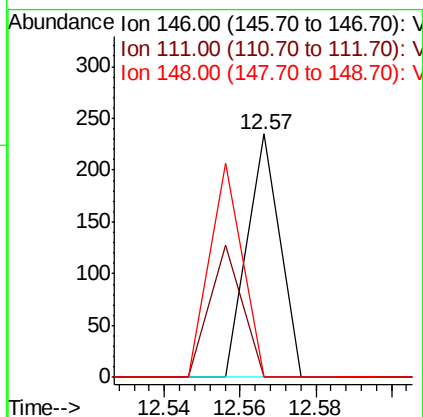
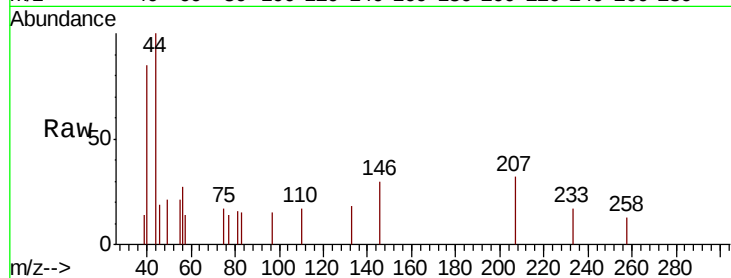




#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.01 min
 Lab File: VF059735.D
 Acq: 1 Aug 2018 5:03

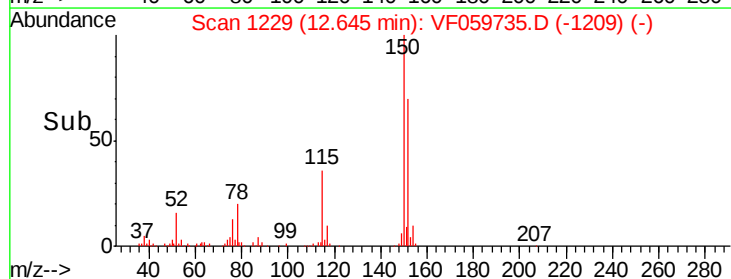
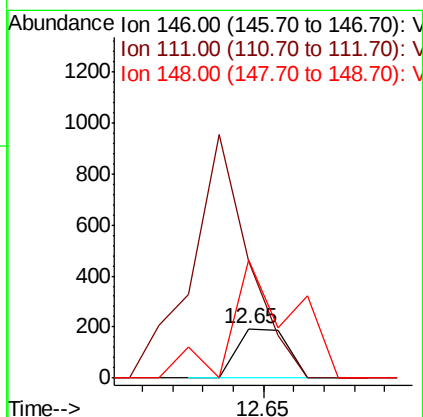
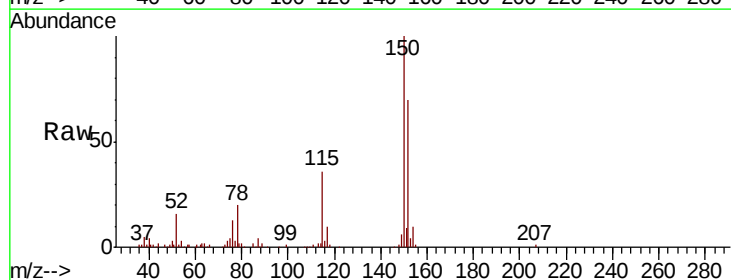
Instrument :
 MSVOA_F
 ClientSampleId :

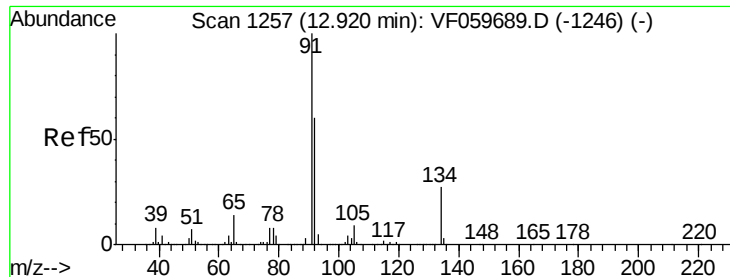
Tot Ion:146 Resp: 139
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.7 62.1#
 148 0.0 32.3 96.8#



#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059735.D
 Acq: 1 Aug 2018 5:03

Tgt Ion:146 Resp: 224
 Ion Ratio Lower Upper
 146 100
 111 236.3 20.8 62.2#
 148 239.4 32.3 96.9#

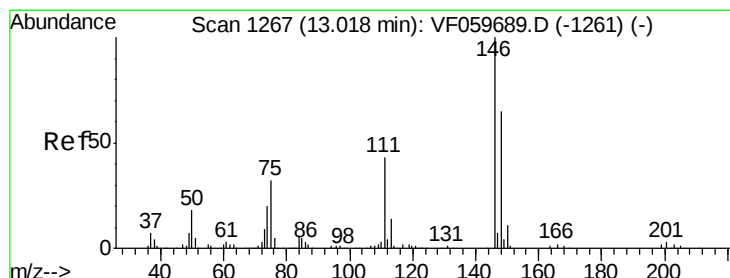
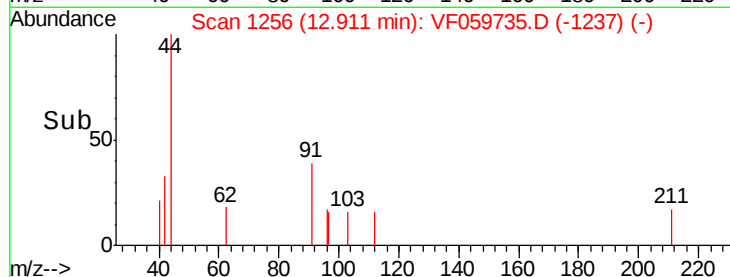
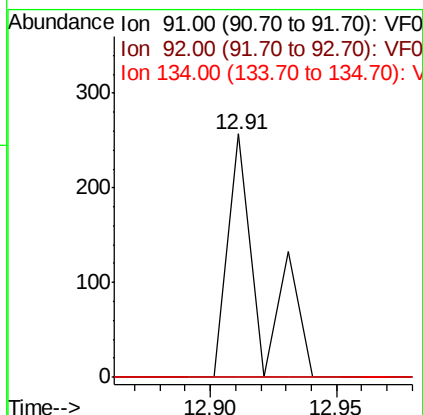
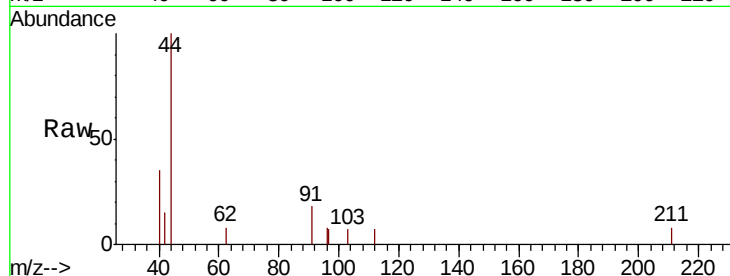




#89
n-Butylbenzene
Concen: Below Cal
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059735.D
Acq: 1 Aug 2018 5:03

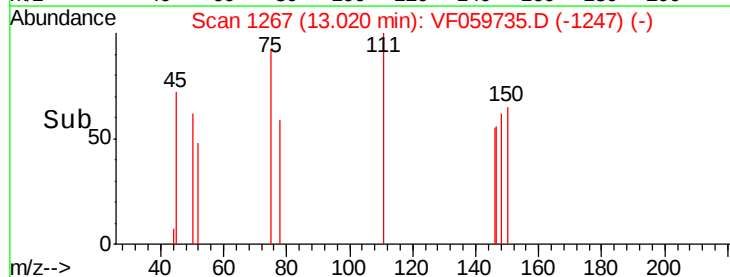
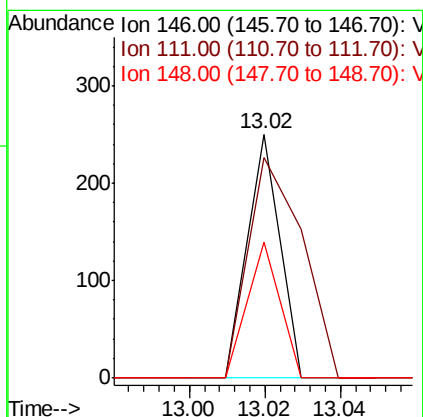
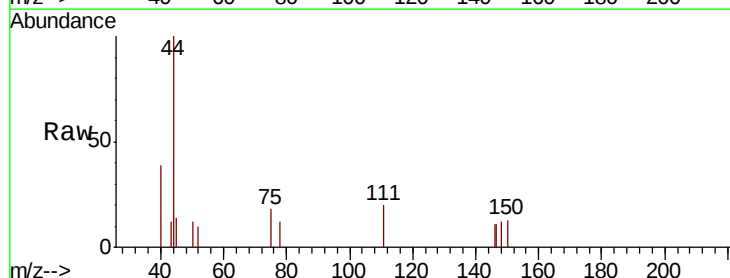
Instrument :
MSVOA_F
ClientSampleId :

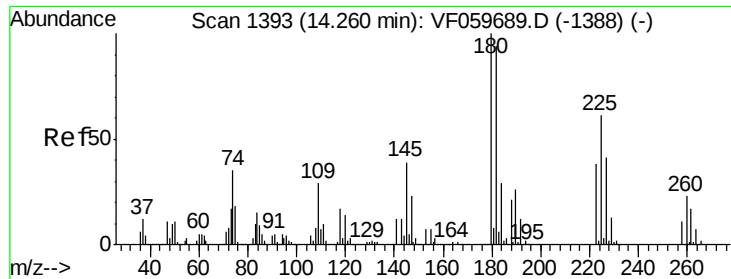
Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	30.1	90.3#
134	0.0	13.7	41.0#



#91
1,2-Dichlorobenzene
Concen: Below Cal
RT: 13.02 min Scan# 1267
Delta R.T. 0.00 min
Lab File: VF059735.D
Acq: 1 Aug 2018 5:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	90.4	21.6	65.0#
148	55.6	32.3	96.9





#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059735.D
 Acq: 1 Aug 2018 5:03

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 299
 Ion Ratio Lower Upper
 180 100
 182 102.8 47.2 141.6
 145 0.0 19.3 57.9#

