

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059730.D
 Acq On : 1 Aug 2018 2:45
 Operator : VA/AP
 Sample : J4218-03RE
 Misc : 6.02g/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 01 07:37:27 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	5.04	168	219148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	309964	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	314218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	196891	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	187618	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
35) Dibromofluoromethane	4.29	113	146133	45.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.78%	
50) Toluene-d8	7.71	98	243729	32.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.92%	
62) 4-Bromofluorobenzene	11.51	95	157966	38.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	166	Below Cal	#	44
3) Chloromethane	1.09	50	428	Below Cal	#	38
4) Vinyl Chloride	1.22	62	133	Below Cal	#	47
5) Bromomethane	1.38	94	199	Below Cal		98
6) Chloroethane	1.39	64	329	Below Cal		90
10) Methyl Iodide	1.83	142	68	Below Cal	#	20
11) Tert butyl alcohol	2.68	59	797	3.580	ug/l #	74
13) Acrolein	1.99	56	96	17.145	ug/l	99
15) Acrylonitrile	3.06	53	294	1.218	ug/l #	29
16) Acetone	2.33	43	15546	21.944	ug/l	95
17) Carbon Disulfide	1.89	76	193	Below Cal	#	71
18) Methyl Acetate	2.42	43	1385	Below Cal	#	64
20) Methylene Chloride	2.28	84	5863	Below Cal	#	88
21) trans-1,2-Dichloroethene	2.39	96	210	Below Cal	#	1
25) 2-Butanone	4.54	43	1196	1.513	ug/l #	74
28) Bromochloromethane	3.92	49	70	Below Cal	#	15
29) Tetrahydrofuran	4.28	42	510	1.678	ug/l #	52
31) Cyclohexane	3.80	56	76	Below Cal	#	15
36) 1,1-Dichloropropene	4.46	75	230	Below Cal	#	70
37) Ethyl Acetate	4.31	43	95	Below Cal	#	19
39) Methylcyclohexane	5.77	83	5138	Below Cal	#	41
41) Methacrylonitrile	4.95	41	127	Below Cal	#	24
51) 4-Methyl-2-Pentanone	8.41	43	2435	1.727	ug/l #	42
52) Toluene	7.79	92	622	Below Cal	#	29
58) 2-Chloroethyl Vinyl ether	7.71	63	545	2.670	ug/l	100
59) 2-Hexanone	9.63	43	3937	3.485	ug/l	89
64) Tetrachloroethene	8.32	164	60	Below Cal	#	51
68) m/p-Xylenes	10.26	106	247	Below Cal		82
74) N-amyl acetate	11.46	43	3290	1.009	ug/l #	86
78) n-propylbenzene	11.69	91	664	Below Cal		94
79) 2-Chlorotoluene	11.82	91	484	Below Cal		100
80) 1,3,5-Trimethylbenzene	11.92	105	555	Below Cal		92
82) 4-Chlorotoluene	11.99	91	1028	Below Cal		79
84) 1,2,4-Trimethylbenzene	12.29	105	927	Below Cal		90

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Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Aug 01 07:37:27 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

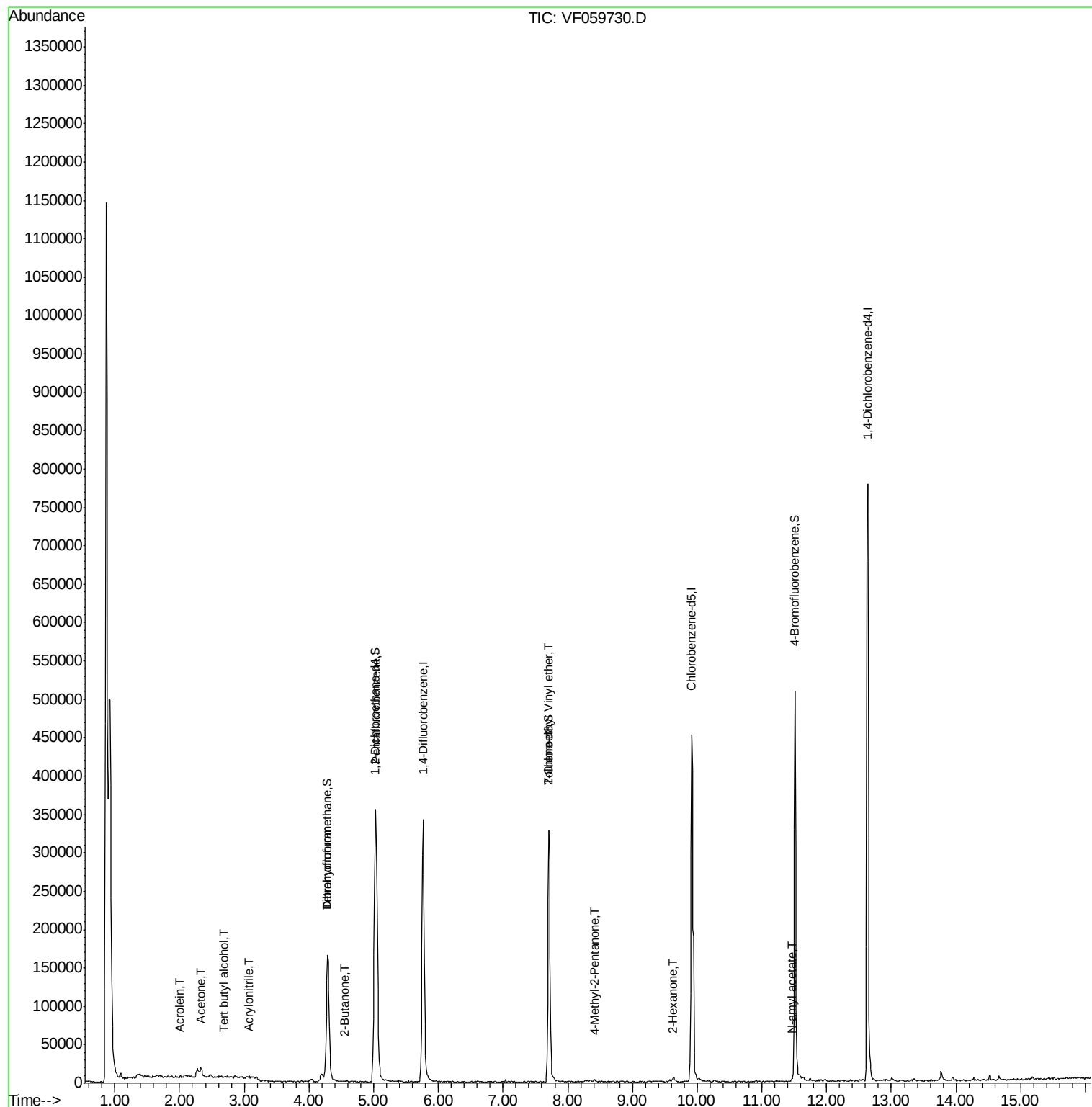
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	12.39	105	377	Below Cal	#	57
86) p-Isopropyltoluene	12.55	119	347	Below Cal	#	49
87) 1,3-Dichlorobenzene	12.56	146	606	Below Cal		90
88) 1,4-Dichlorobenzene	12.56	146	606	Below Cal		90
89) n-Butylbenzene	12.92	91	1137	Below Cal	#	54
91) 1,2-Dichlorobenzene	13.03	146	451	Below Cal	#	58
93) 1,2,4-Trichlorobenzene	14.27	180	1216	Below Cal		65

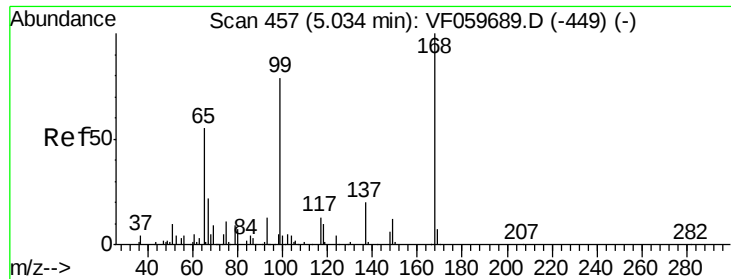
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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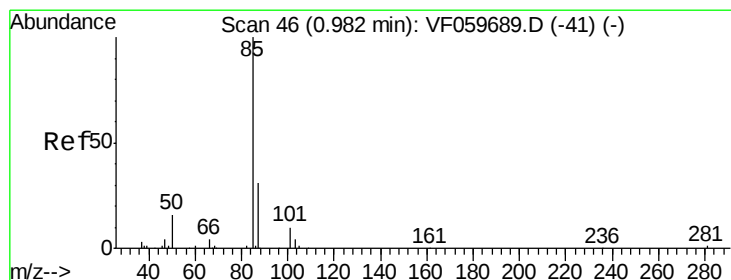
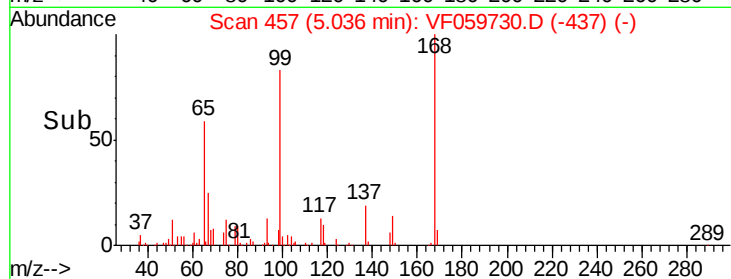
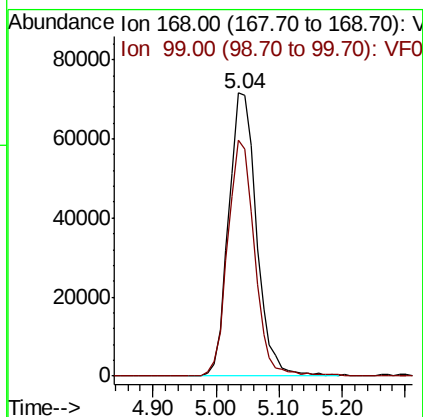
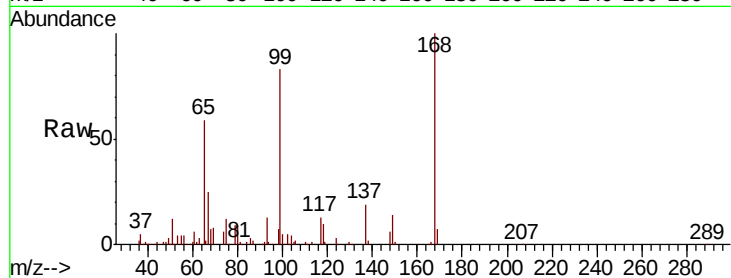




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.04 min Scan# 457
Delta R.T. 0.00 min
Lab File: VF059730.D
Acq: 1 Aug 2018 2:45

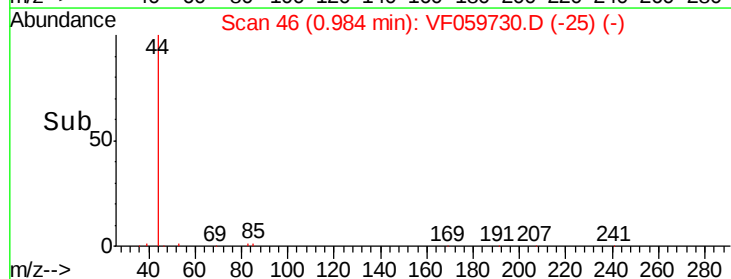
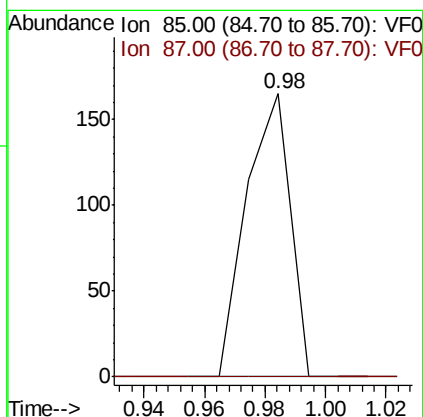
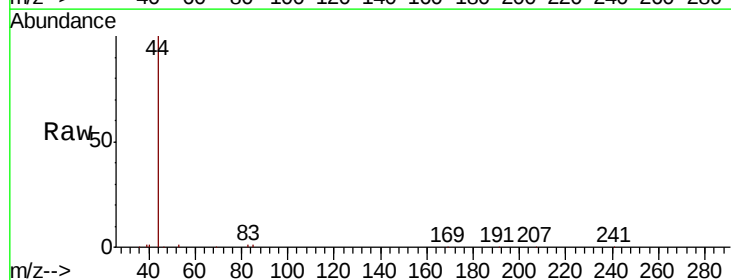
Instrument :
MSVOA_F
ClientSampleId :

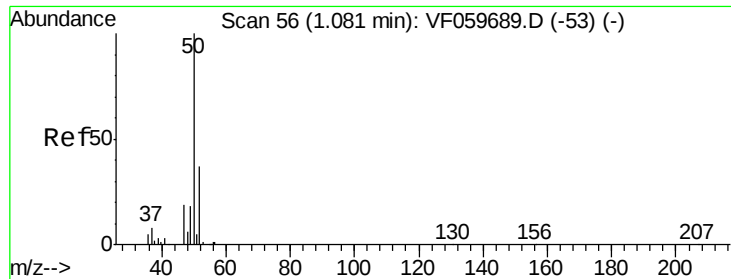
Tot Ion:168 Resp: 219148
Ion Ratio Lower Upper
168 100
99 83.4 63.3 94.9



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 0.98 min Scan# 46
Delta R.T. 0.00 min
Lab File: VF059730.D
Acq: 1 Aug 2018 2:45

Tgt Ion: 85 Resp: 166
Ion Ratio Lower Upper
85 100
87 0.0 15.3 45.8#





#3

Chloromethane

Concen: Below Cal

RT: 1.09 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF059730.D

Acq: 1 Aug 2018 2:45

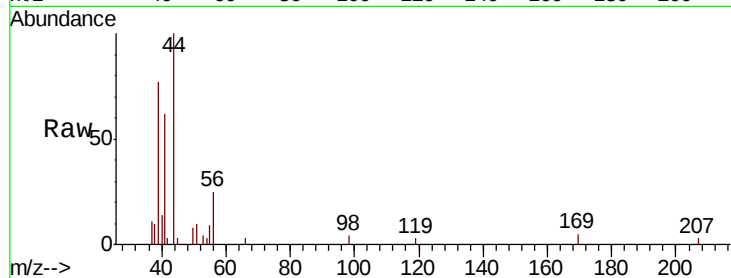
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 428

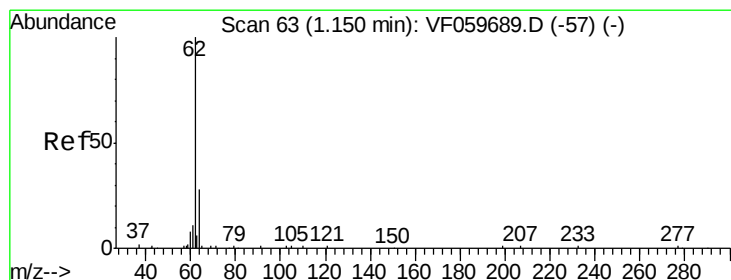
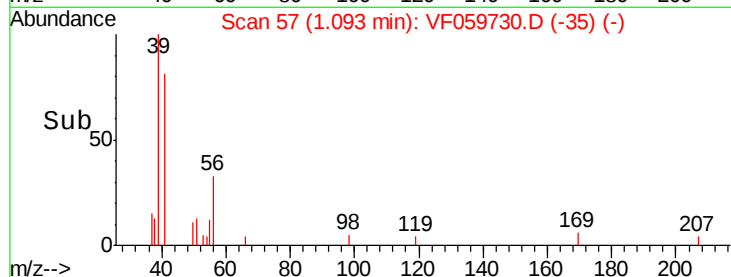
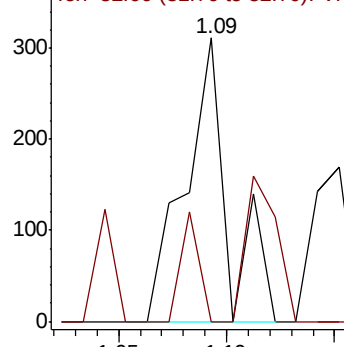
Ion Ratio Lower Upper

50 100

52 0.0 29.1 43.7#



Abundance Ion 50.00 (49.70 to 50.70): VF0
Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: Below Cal

RT: 1.22 min Scan# 70

Delta R.T. 0.07 min

Lab File: VF059730.D

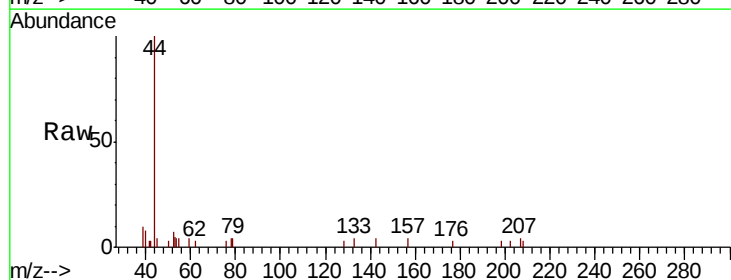
Acq: 1 Aug 2018 2:45

Tgt Ion: 62 Resp: 133

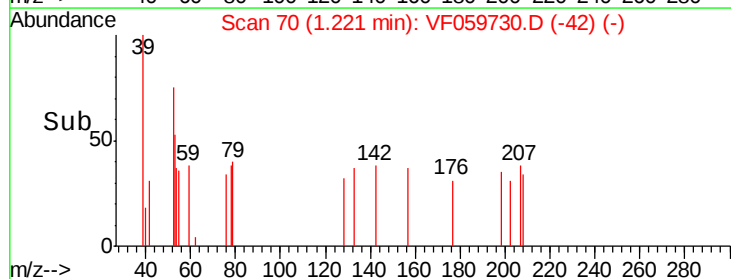
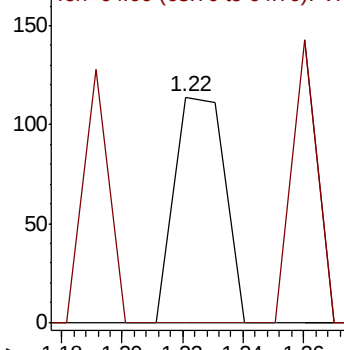
Ion Ratio Lower Upper

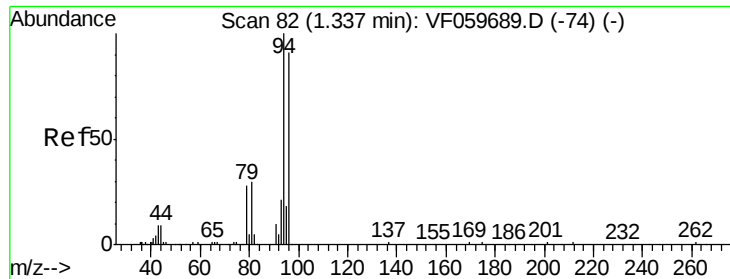
62 100

64 0.0 22.6 33.8#



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: Below Cal

RT: 1.38 min Scan# 86

Delta R.T. 0.04 min

Lab File: VF059730.D

Acq: 1 Aug 2018 2:45

Instrument :

MSVOA_F

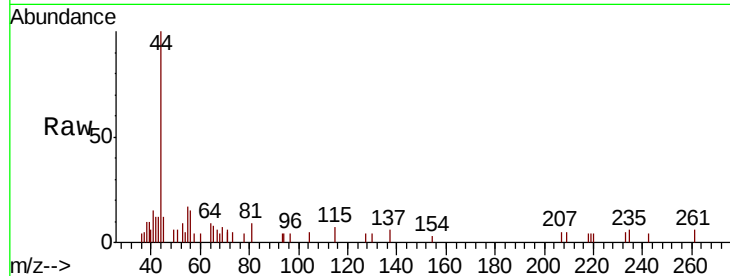
ClientSampled :

Tot Ion: 94 Resp: 199

Ion Ratio Lower Upper

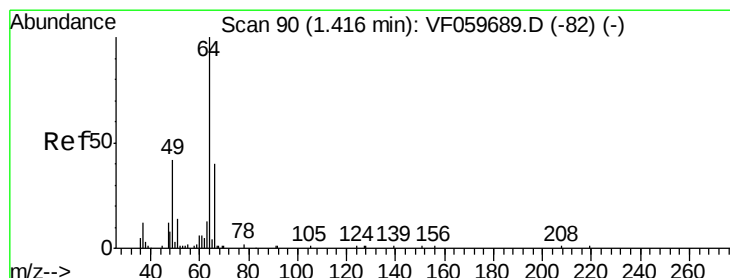
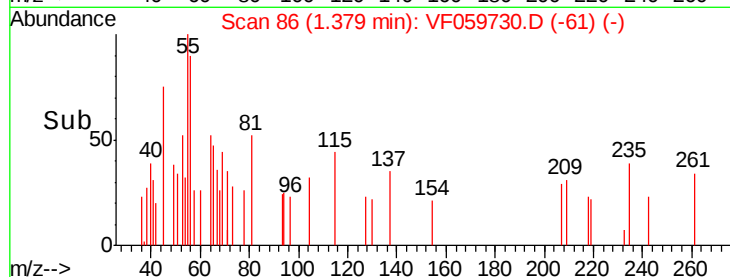
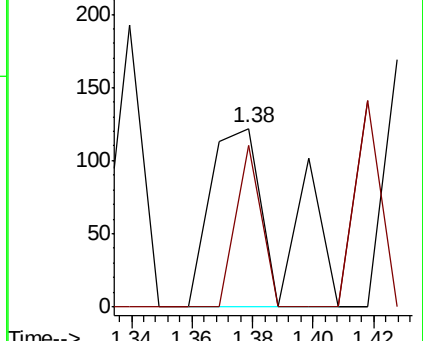
94 100

96 90.2 73.6 110.4



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: Below Cal

RT: 1.39 min Scan# 87

Delta R.T. -0.03 min

Lab File: VF059730.D

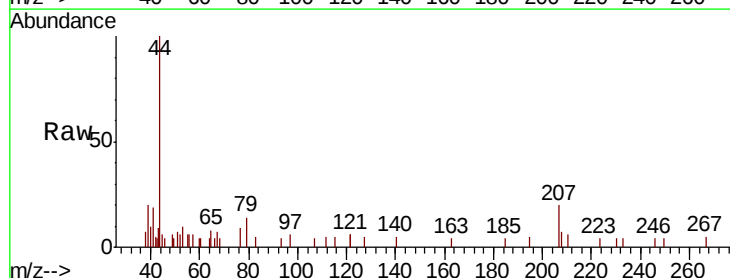
Acq: 1 Aug 2018 2:45

Tgt Ion: 64 Resp: 329

Ion Ratio Lower Upper

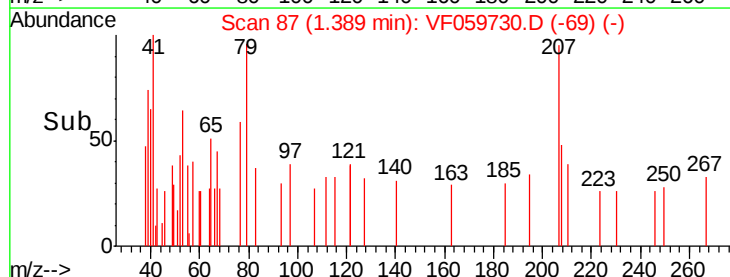
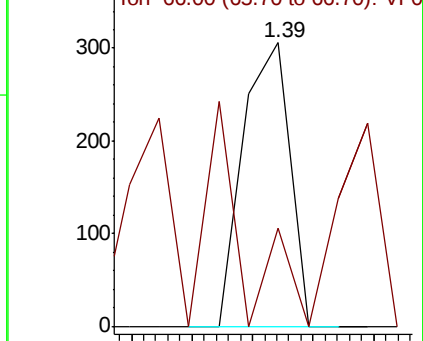
64 100

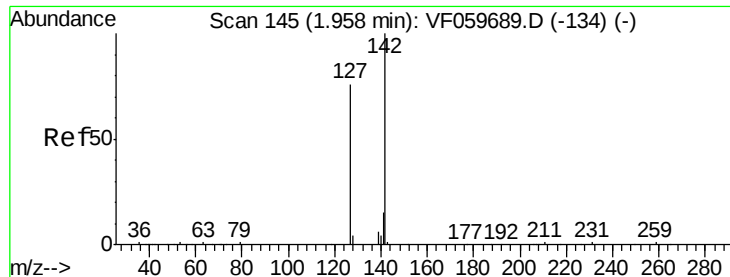
66 34.6 32.6 49.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

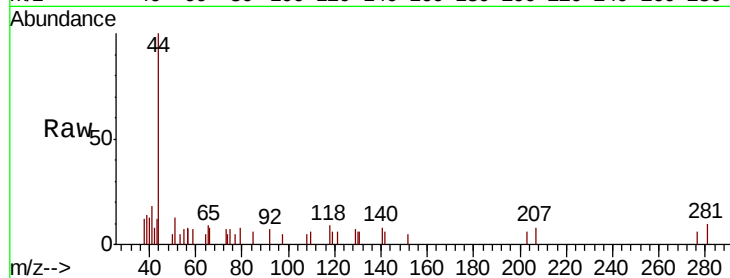




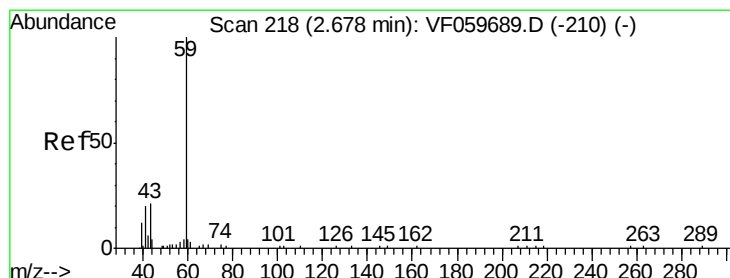
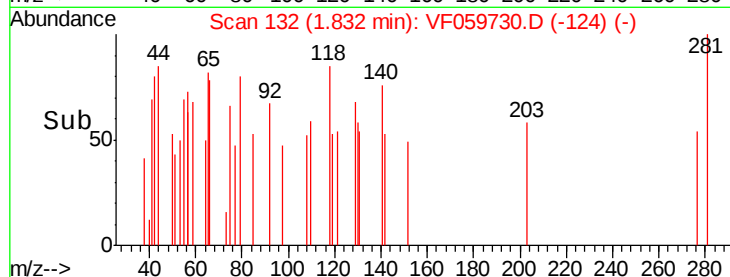
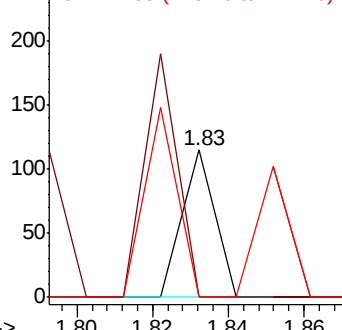
#10
Methyl Iodide
Concen: Below Cal
RT: 1.83 min Scan# 132
Delta R.T. -0.13 min
Lab File: VF059730.D
Acq: 1 Aug 2018 2:45

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:142 Resp: 68
Ion Ratio Lower Upper
142 100
127 0.0 60.6 91.0#
141 0.0 12.0 18.0#

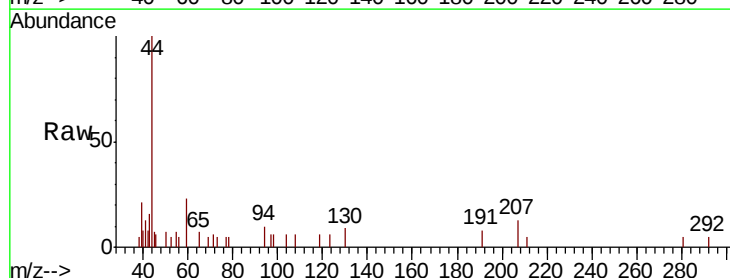


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

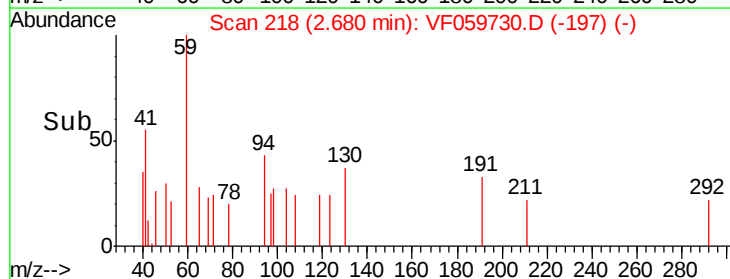
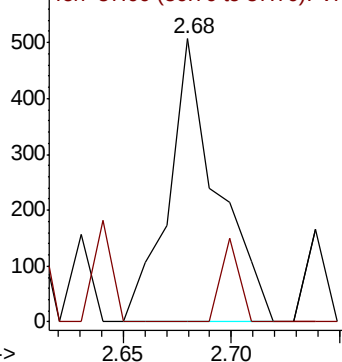


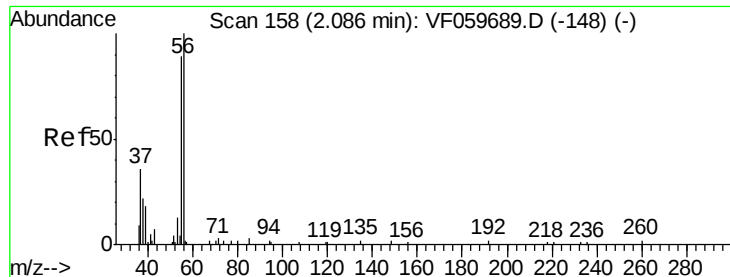
#11
Tert butyl alcohol
Concen: 3.580 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059730.D
Acq: 1 Aug 2018 2:45

Tgt Ion: 59 Resp: 797
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0
Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 17.145 ug/l

RT: 1.99 min Scan# 148

Delta R.T. -0.10 min

Lab File: VF059730.D

Acq: 1 Aug 2018 2:45

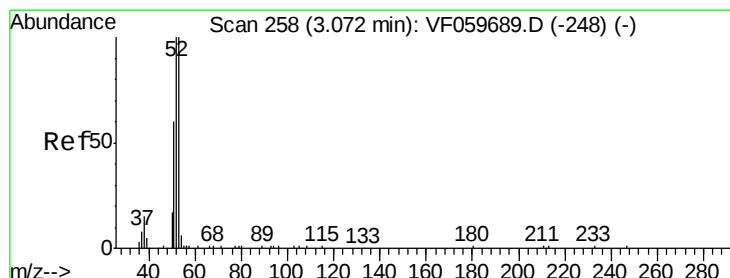
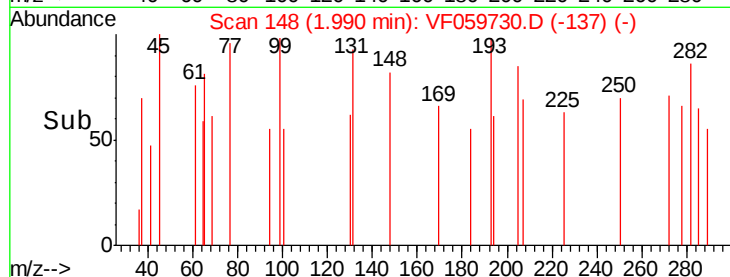
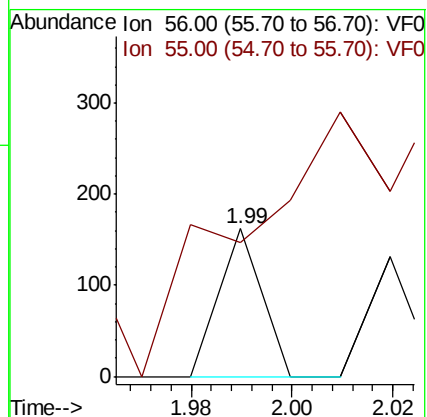
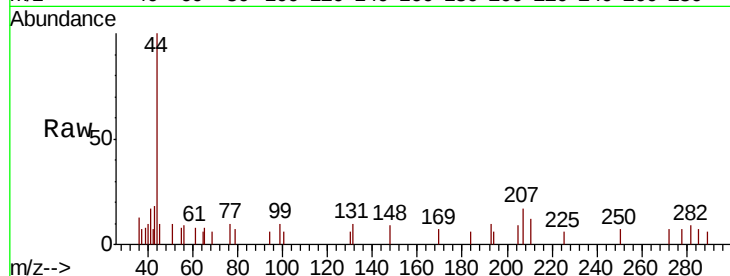
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 96

Ion Ratio Lower Upper

56 100

55 90.7 73.2 109.8



#15

Acrylonitrile

Concen: 1.218 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF059730.D

Acq: 1 Aug 2018 2:45

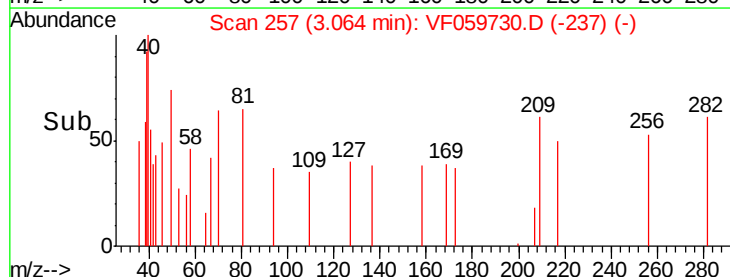
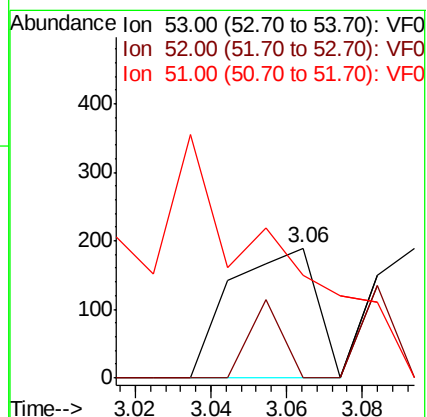
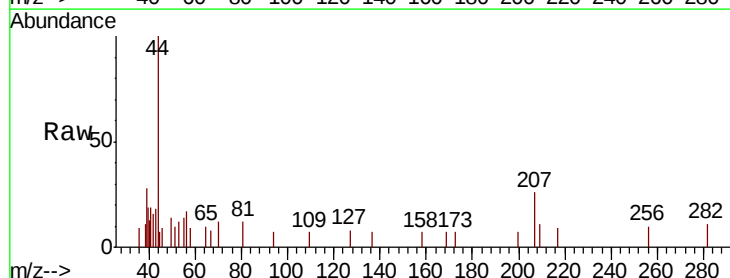
Tgt Ion: 53 Resp: 294

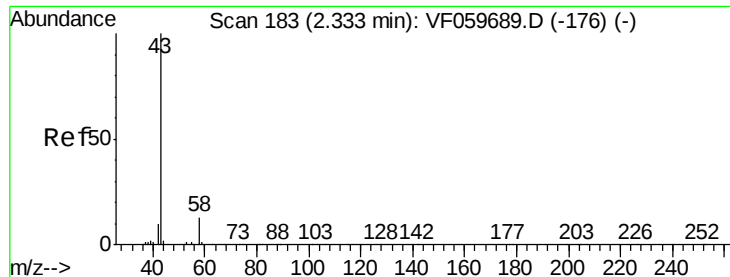
Ion Ratio Lower Upper

53 100

52 0.0 80.3 120.5#

51 78.8 49.4 74.0#





#16

Acetone

Concen: 21.944 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059730.D

Acq: 1 Aug 2018 2:45

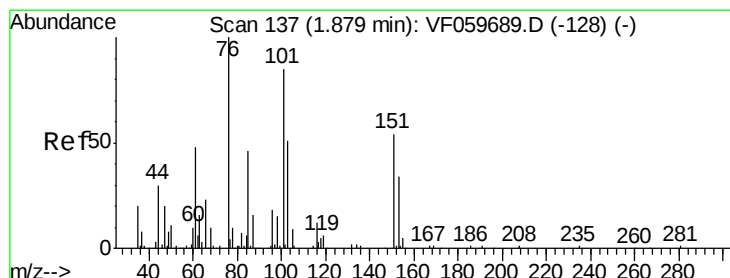
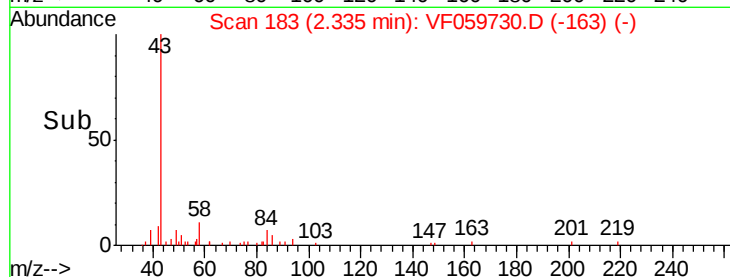
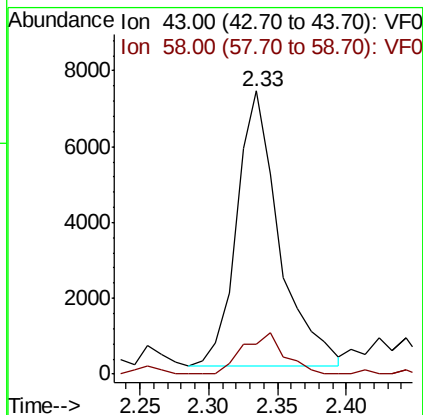
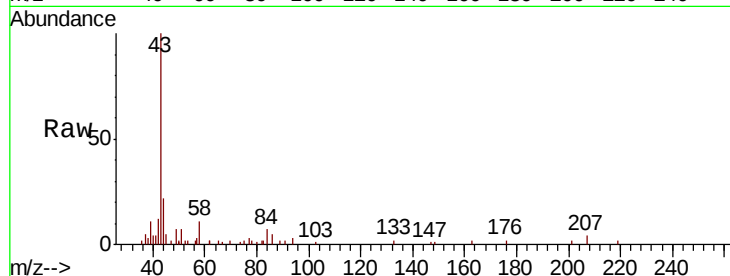
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 15546

Ion Ratio Lower Upper

43 100

58 10.7 10.1 15.1



#17

Carbon Disulfide

Concen: Below Cal

RT: 1.89 min Scan# 138

Delta R.T. 0.01 min

Lab File: VF059730.D

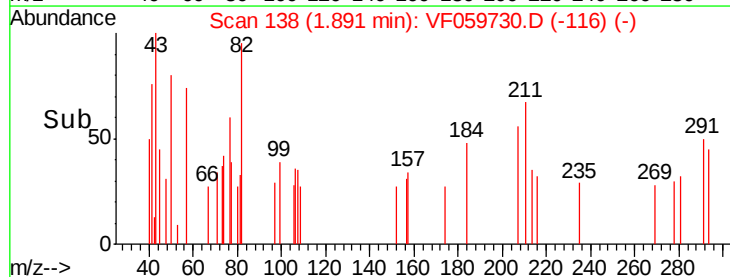
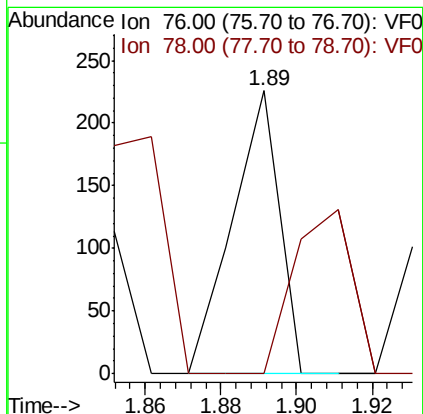
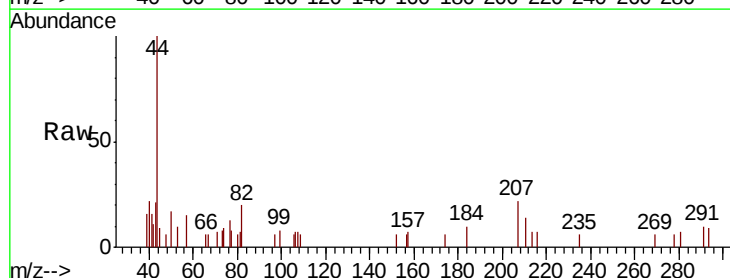
Acq: 1 Aug 2018 2:45

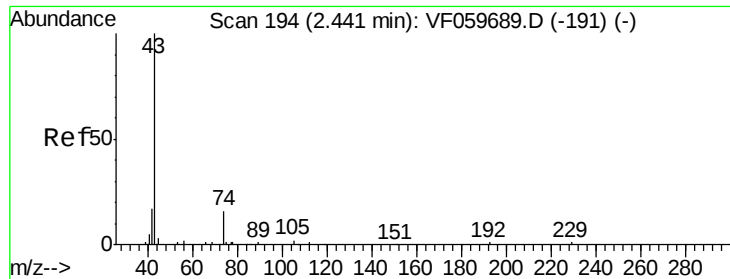
Tgt Ion: 76 Resp: 193

Ion Ratio Lower Upper

76 100

78 0.0 8.9 13.3#

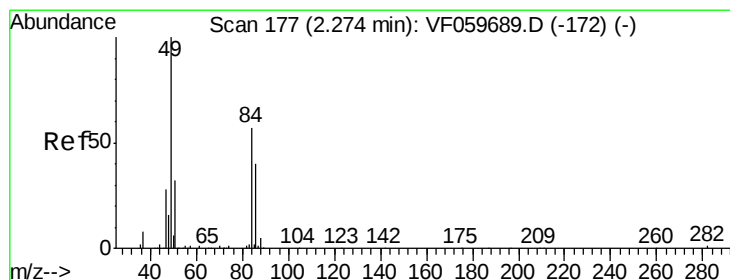
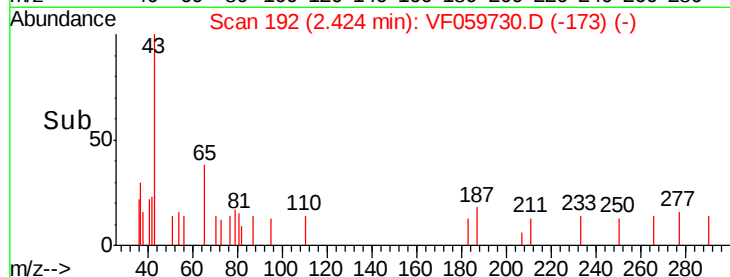
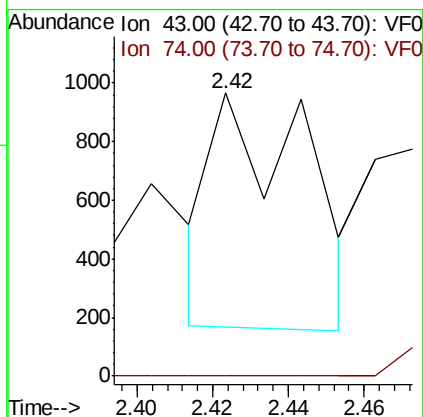
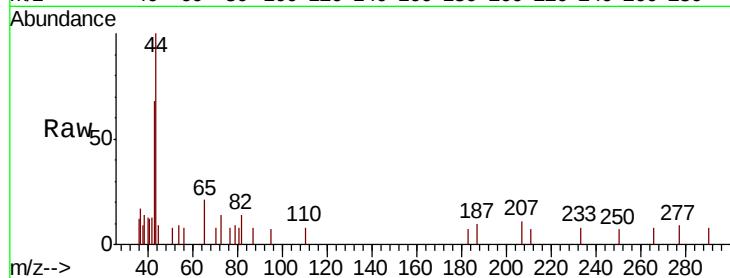




#18
Methyl Acetate
Concen: Below Cal
RT: 2.42 min Scan# 192
Delta R.T. -0.02 min
Lab File: VF059730.D
Acq: 1 Aug 2018 2:45

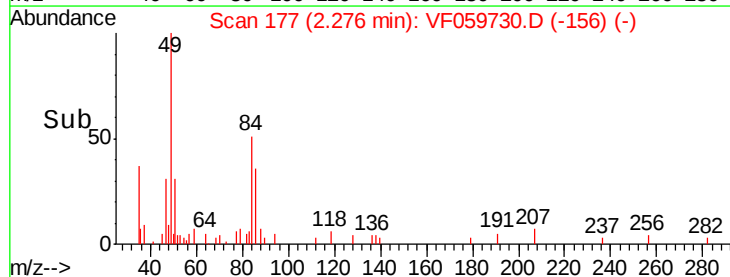
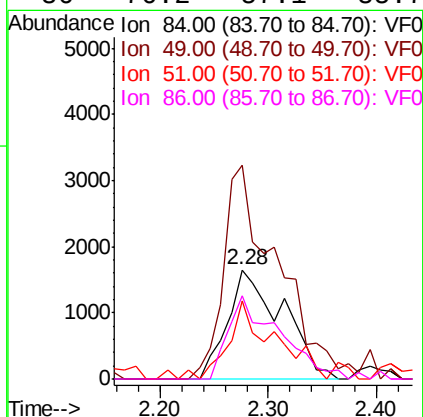
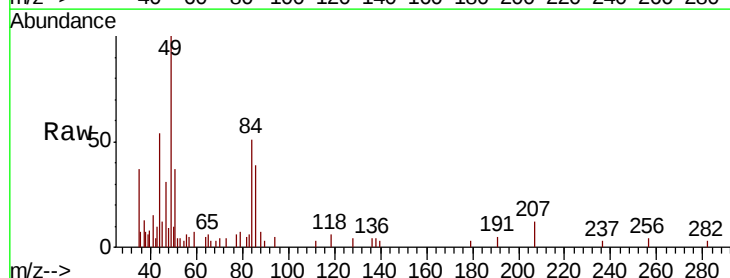
Instrument :
MSVOA_F
ClientSampled :

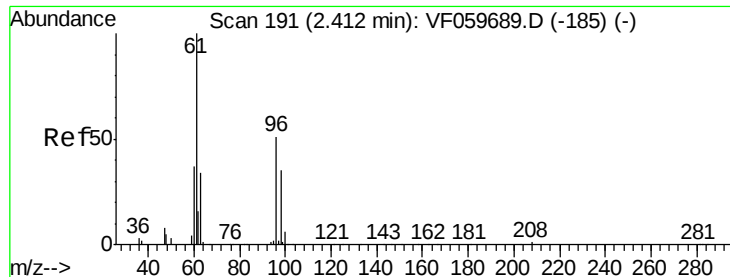
Tot Ion: 43 Resp: 1385
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059730.D
Acq: 1 Aug 2018 2:45

Tgt Ion: 84 Resp: 5863
Ion Ratio Lower Upper
84 100
49 195.4 142.2 213.4
51 71.6 46.2 69.2#
86 76.2 57.1 85.7





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 2.39 min Scan# 189

Delta R.T. -0.02 min

Lab File: VF059730.D

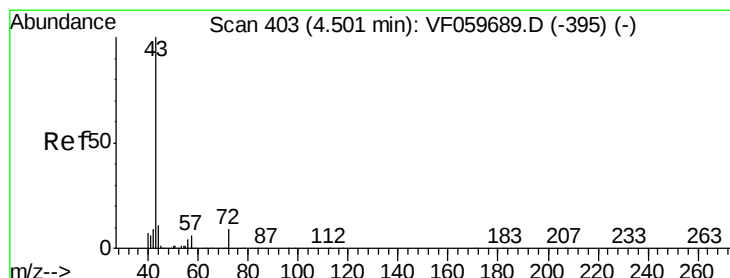
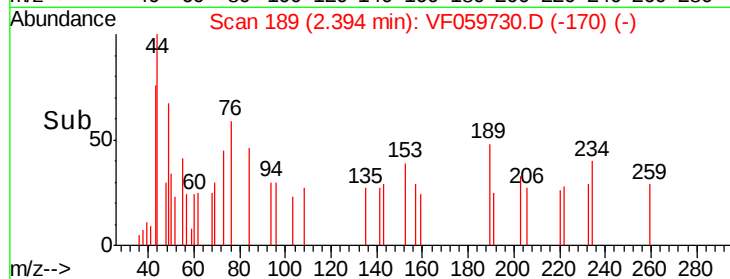
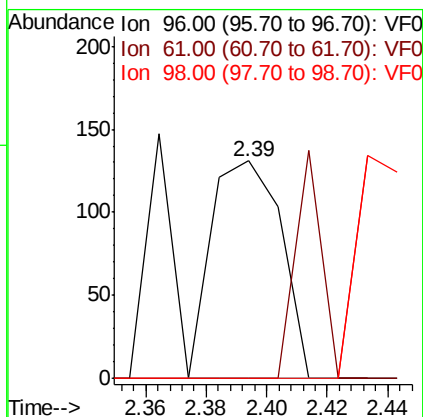
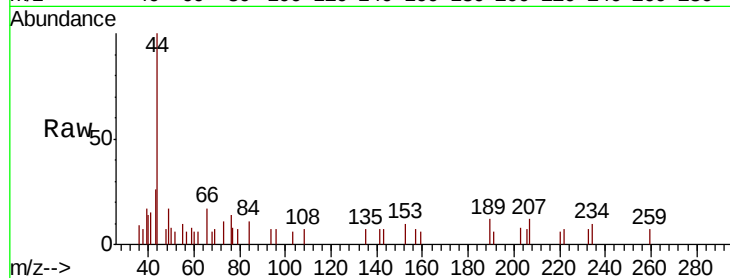
Acq: 1 Aug 2018 2:45

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	96	Resp:	210
Ion	Ratio	Lower	Upper
96	100		
61	0.0	157.4	236.0#
98	0.0	55.0	82.4#



#25

2-Butanone

Concen: 1.513 ug/l

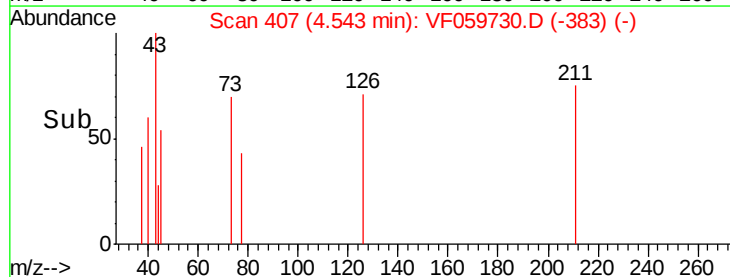
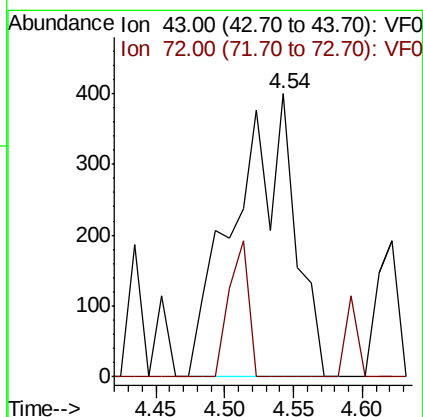
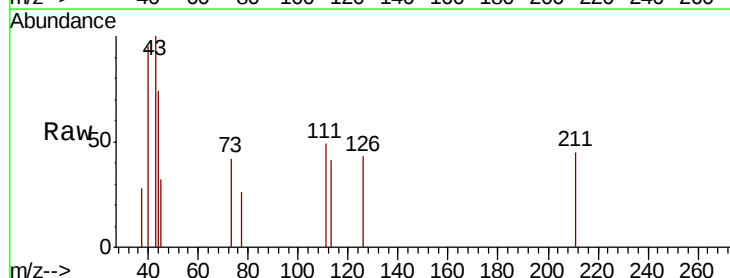
RT: 4.54 min Scan# 407

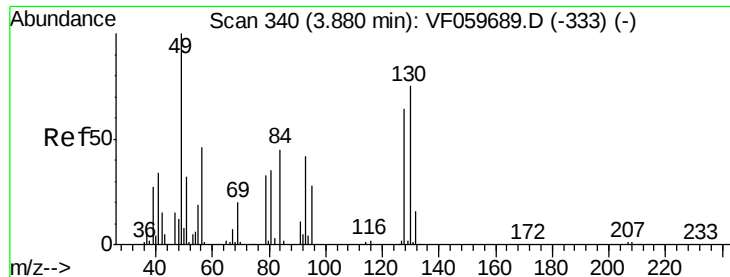
Delta R.T. 0.04 min

Lab File: VF059730.D

Acq: 1 Aug 2018 2:45

Tgt Ion:	43	Resp:	1196
Ion	Ratio	Lower	Upper
43	100		
72	0.0	7.7	11.5#





#28

Bromochloromethane

Concen: Below Cal

RT: 3.92 min Scan# 344

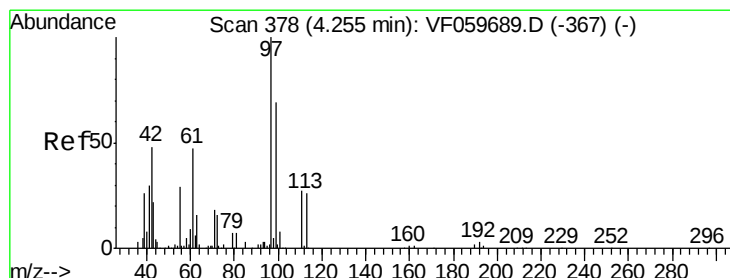
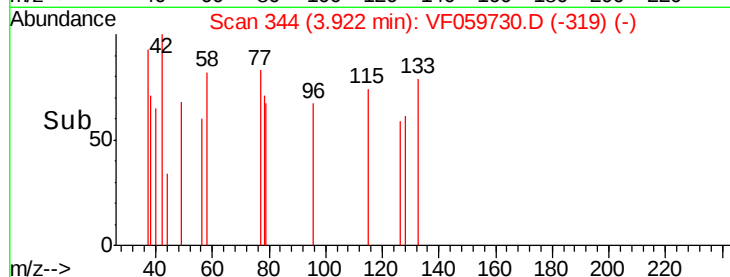
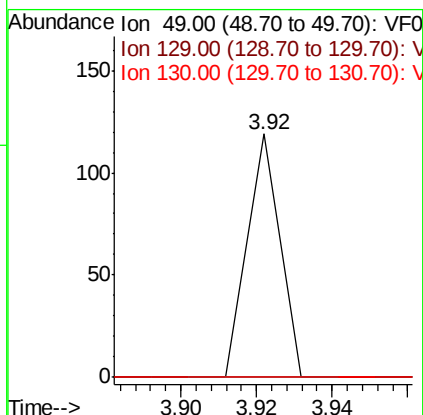
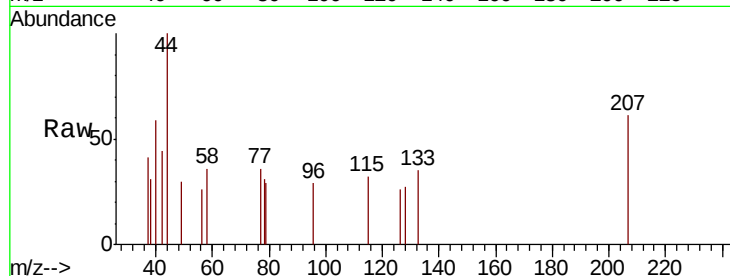
Delta R.T. 0.04 min

Lab File: VF059730.D

Acq: 1 Aug 2018 2:45

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	49	Resp:	70
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	0.0	59.6	89.4#



#29

Tetrahydrofuran

Concen: 1.678 ug/l

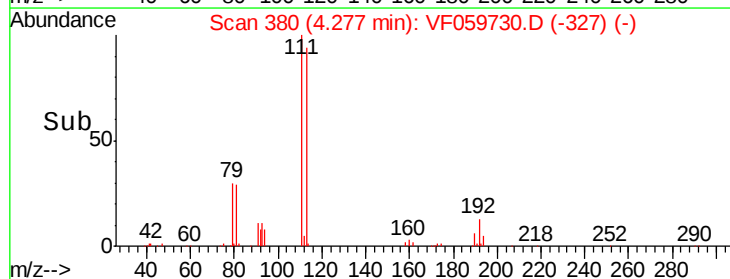
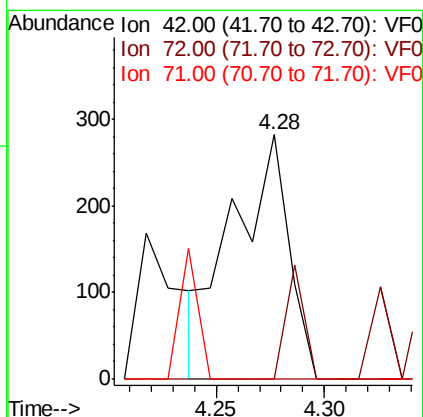
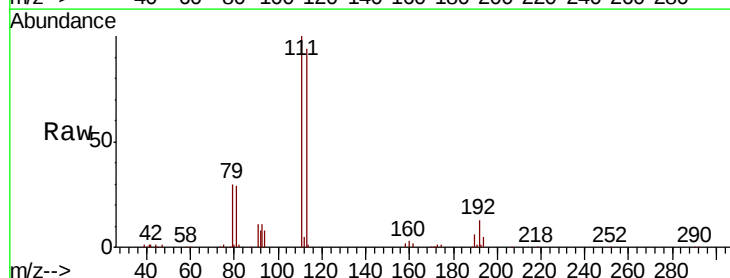
RT: 4.28 min Scan# 380

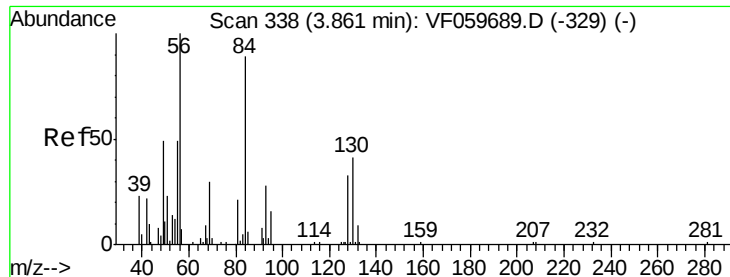
Delta R.T. 0.02 min

Lab File: VF059730.D

Acq: 1 Aug 2018 2:45

Tgt Ion:	42	Resp:	510
Ion	Ratio	Lower	Upper
42	100		
72	15.3	27.0	40.6#
71	0.0	29.7	44.5#

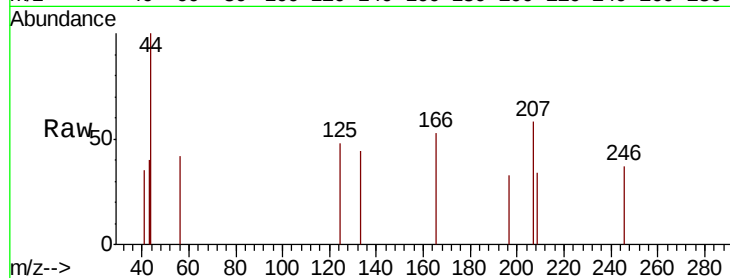




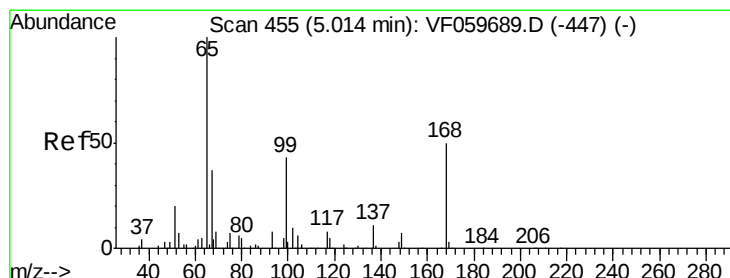
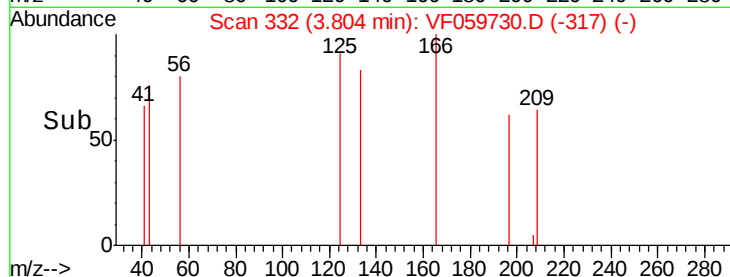
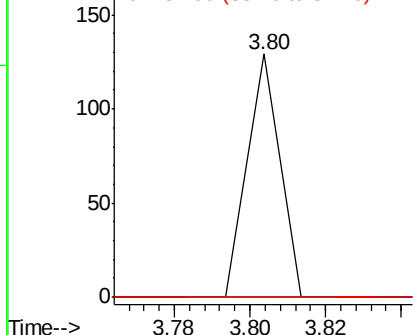
#31
Cyclohexane
Concen: Below Cal
RT: 3.80 min Scan# 332
Delta R.T. -0.06 min
Lab File: VF059730.D
Acq: 1 Aug 2018 2:45

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 76
Ion Ratio Lower Upper
56 100
69 0.0 23.7 35.5#
84 0.0 71.1 106.7#

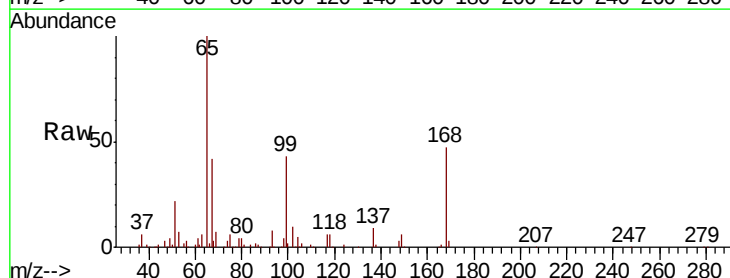


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

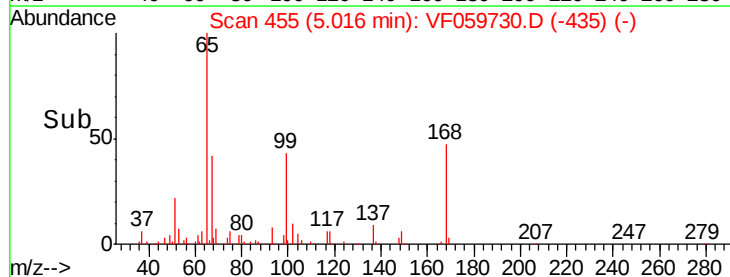
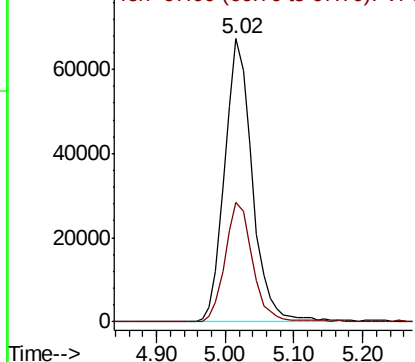


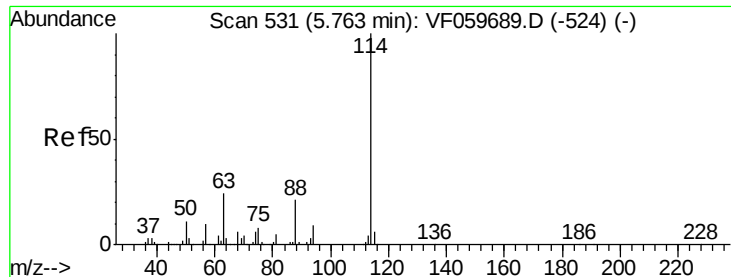
#33
1,2-Dichloroethane-d4
Concen: 47.637 ug/l
RT: 5.02 min Scan# 455
Delta R.T. 0.00 min
Lab File: VF059730.D
Acq: 1 Aug 2018 2:45

Tgt Ion: 65 Resp: 187618
Ion Ratio Lower Upper
65 100
67 42.0 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# 531

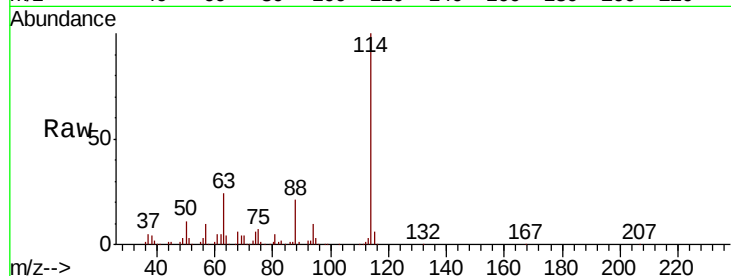
Delta R.T. 0.00 min

Lab File: VF059730.D

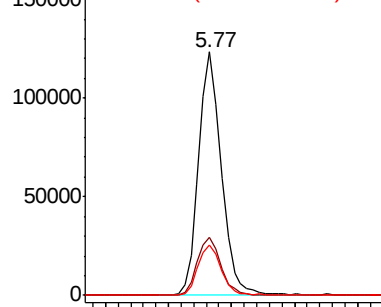
Acq: 1 Aug 2018 2:45

Instrument :
MSVOA_F
ClientSampleId :

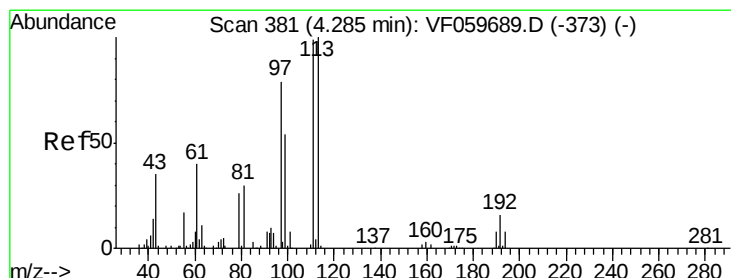
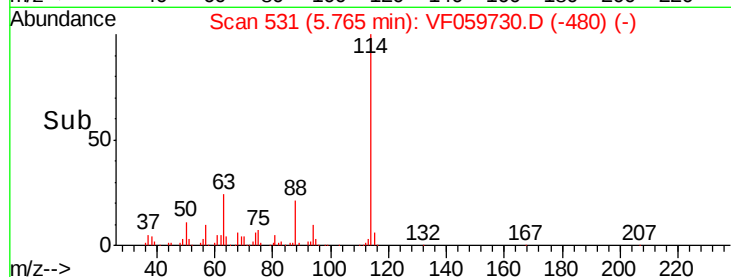
Tot Ion:	114	Resp:	309964
Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	47.4
88	20.6	0.0	41.2



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



Time--> 5.60 5.70 5.80 5.90 6.00



#35

Dibromofluoromethane

Concen: 45.391 ug/l

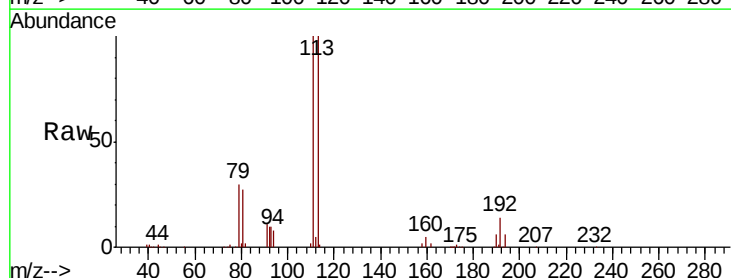
RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

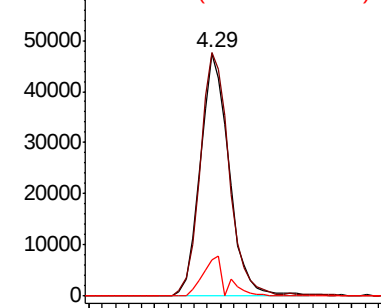
Lab File: VF059730.D

Acq: 1 Aug 2018 2:45

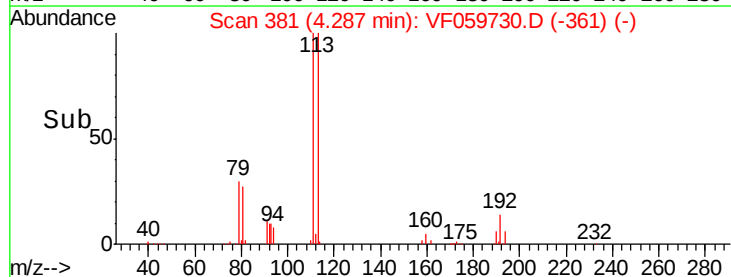
Tgt Ion:	113	Resp:	146133
Ion	Ratio	Lower	Upper
113	100		
111	100.3	79.0	118.4
192	14.7	13.2	19.8

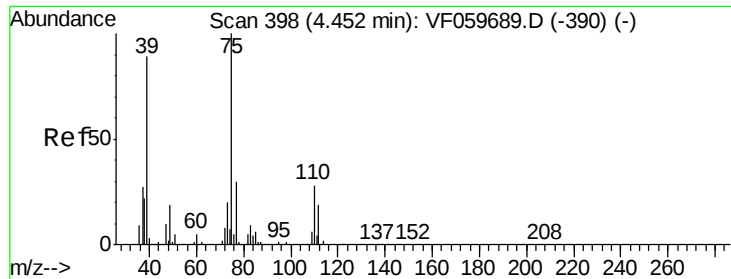


Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V



Time--> 4.10 4.20 4.30 4.40 4.50

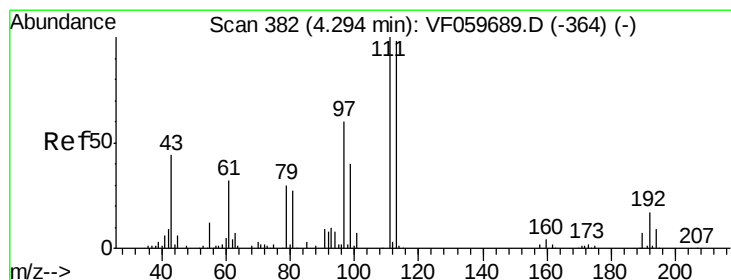
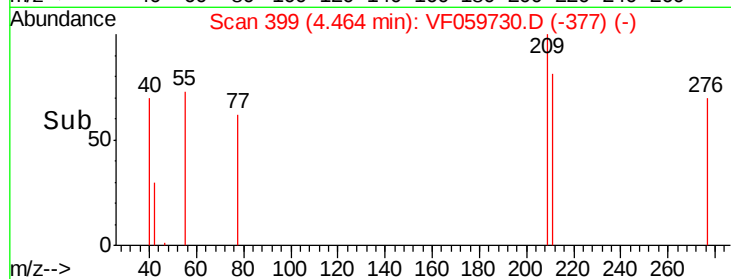
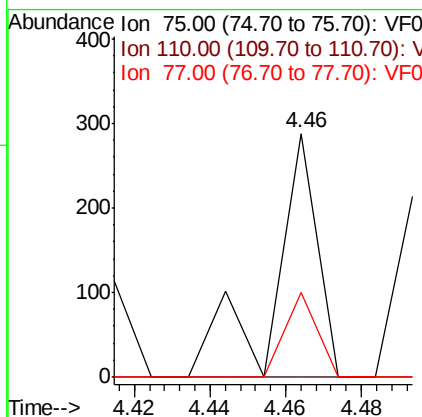
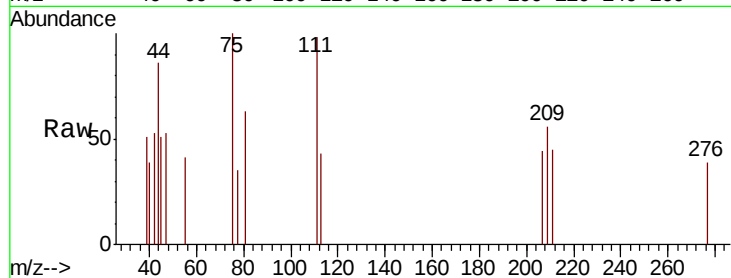




#36
 1,1-Dichloropropene
 Concen: Below Cal
 RT: 4.46 min Scan# 399
 Delta R.T. 0.01 min
 Lab File: VF059730.D
 Acq: 1 Aug 2018 2:45

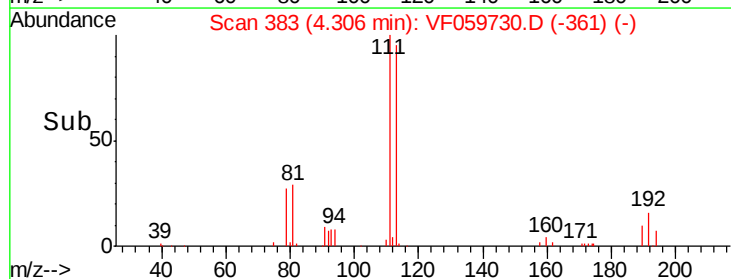
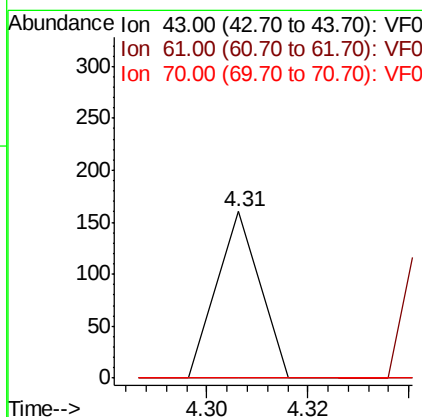
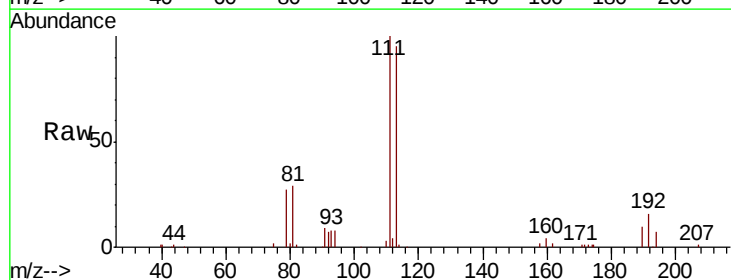
Instrument :
 MSVOA_F
 ClientSampleId :

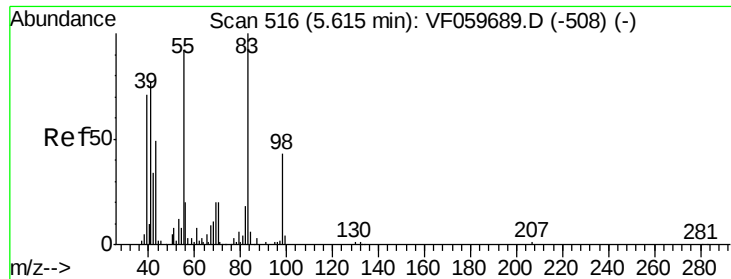
Tot Ion: 75 Resp: 230
 Ion Ratio Lower Upper
 75 100
 110 0.0 14.0 41.9#
 77 34.7 24.2 36.2



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.31 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VF059730.D
 Acq: 1 Aug 2018 2:45

Tgt Ion: 43 Resp: 95
 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# 531

Delta R.T. 0.15 min

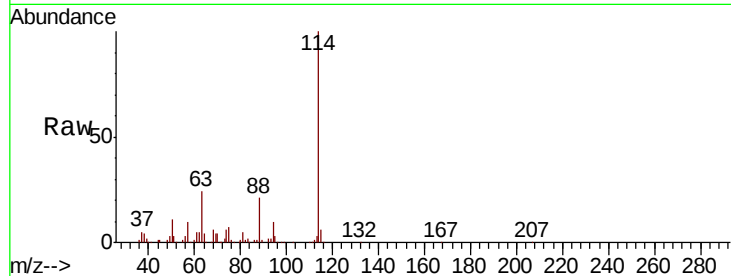
Lab File: VF059730.D

Acq: 1 Aug 2018 2:45

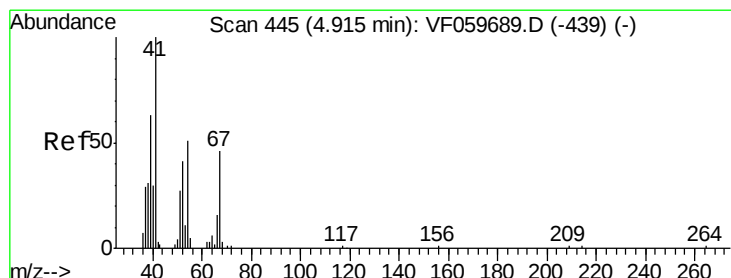
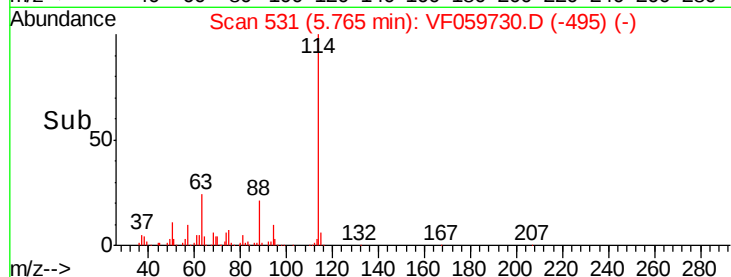
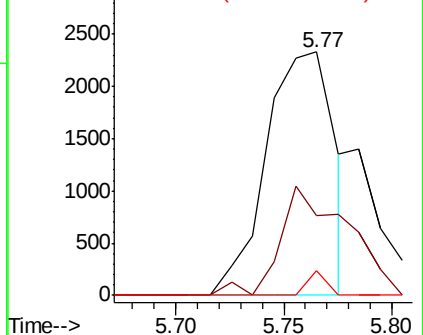
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 83 Resp: 5138

Ion	Ratio	Lower	Upper
83	100		
55	32.6	73.4	110.2#
98	10.1	34.2	51.4#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



#41

Methacrylonitrile

Concen: Below Cal

RT: 4.95 min Scan# 448

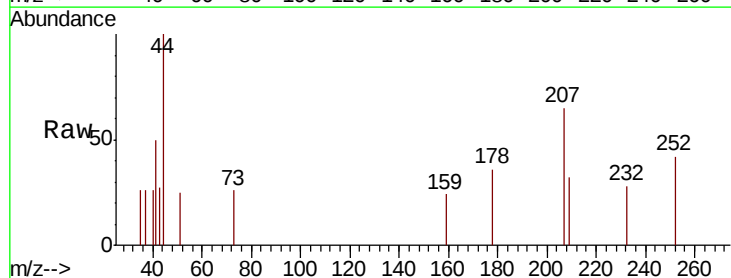
Delta R.T. 0.03 min

Lab File: VF059730.D

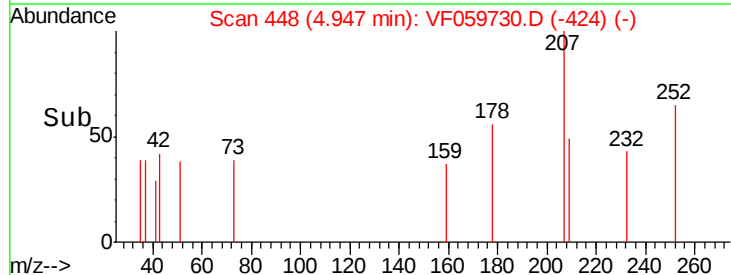
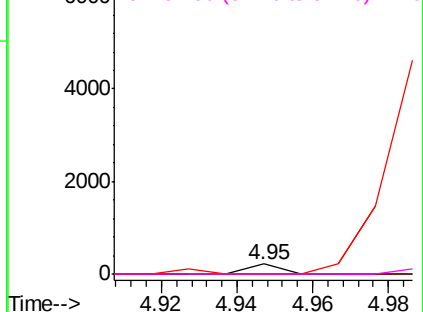
Acq: 1 Aug 2018 2:45

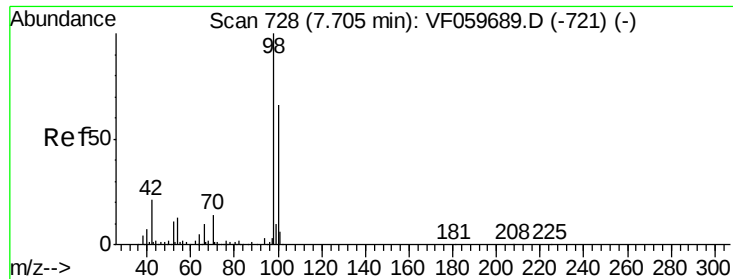
Tgt Ion: 41 Resp: 127

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

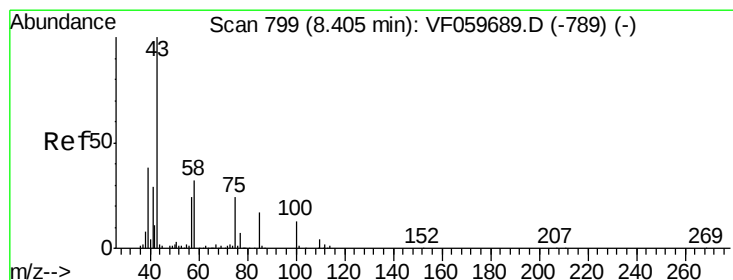
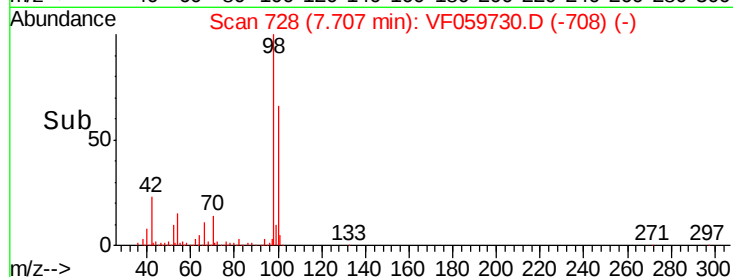
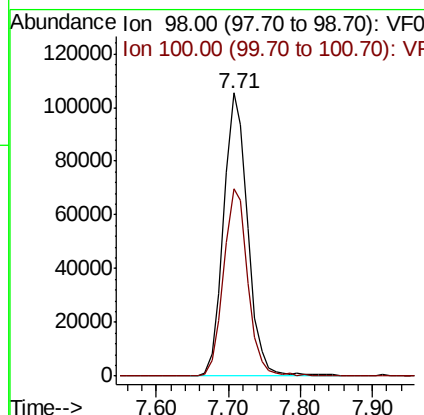
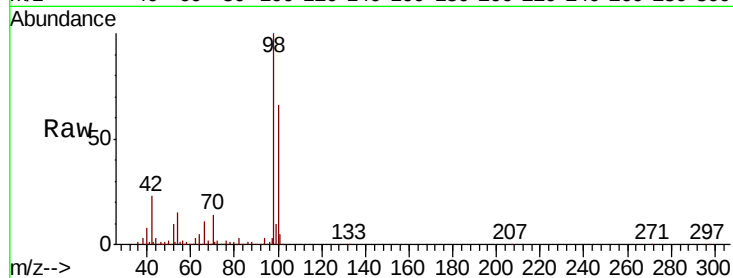




#50
Toluene-d8
Concen: 32.464 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059730.D
Acq: 1 Aug 2018 2:45

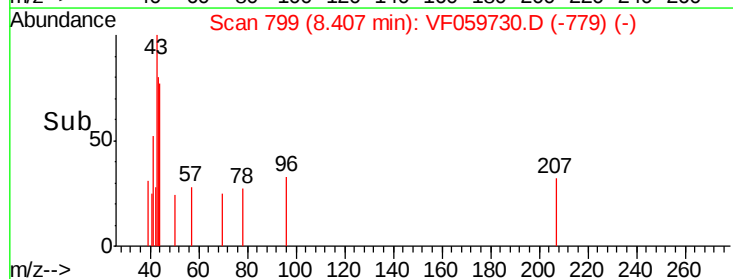
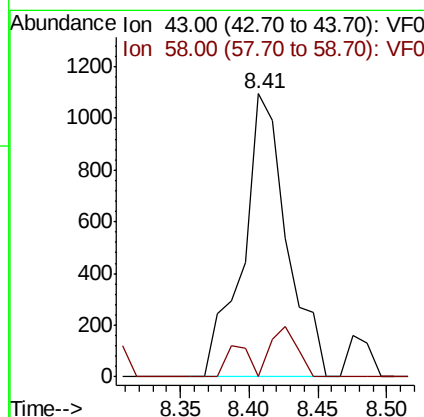
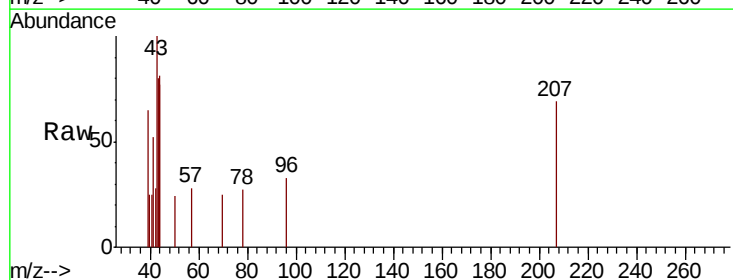
Instrument :
MSVOA_F
ClientSampled :

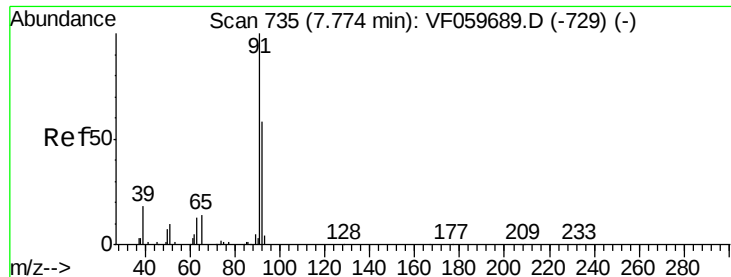
Tot Ion: 98 Resp: 243729
Ion Ratio Lower Upper
98 100
100 66.4 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.727 ug/l
RT: 8.41 min Scan# 799
Delta R.T. 0.00 min
Lab File: VF059730.D
Acq: 1 Aug 2018 2:45

Tgt Ion: 43 Resp: 2435
Ion Ratio Lower Upper
43 100
58 0.0 25.9 38.9#





#52

Toluene

Concen: Below Cal

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF059730.D

Acq: 1 Aug 2018 2:45

Instrument :

MSVOA_F

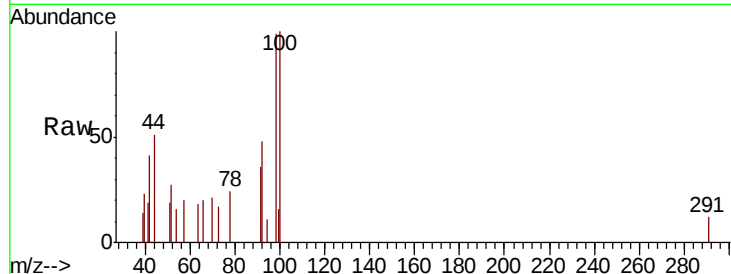
ClientSampleId :

Tot Ion: 92 Resp: 622

Ion Ratio Lower Upper

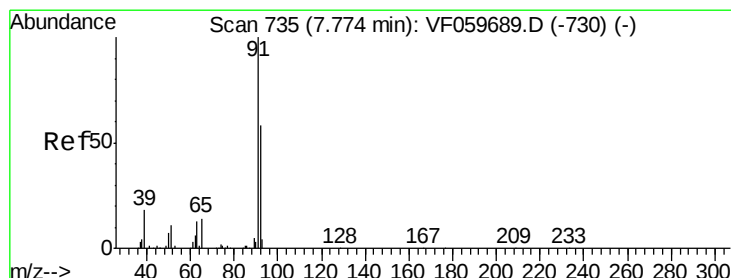
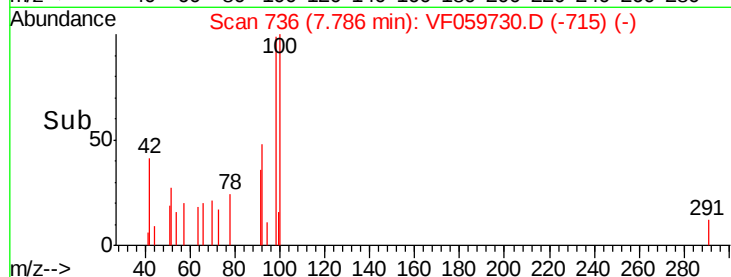
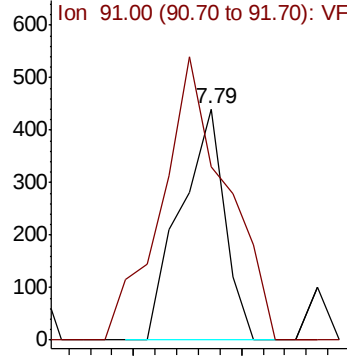
92 100

91 75.2 139.0 208.4#



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: 2.670 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.07 min

Lab File: VF059730.D

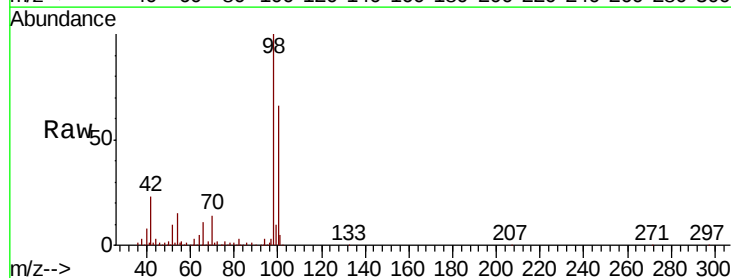
Acq: 1 Aug 2018 2:45

Tgt Ion: 63 Resp: 545

Ion Ratio Lower Upper

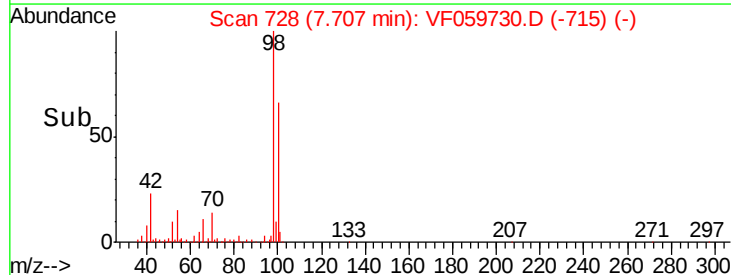
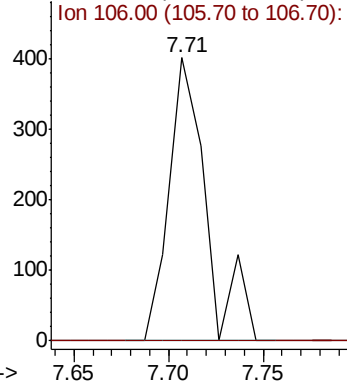
63 100

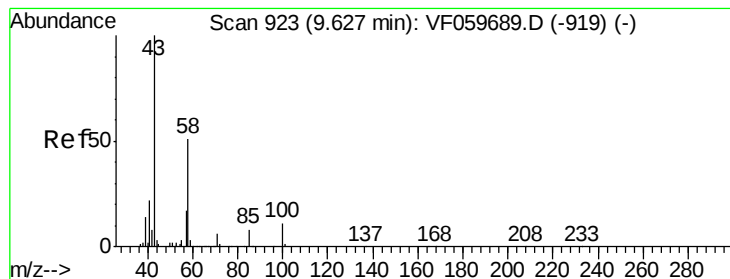
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#59

2-Hexanone

Concen: 3.485 ug/l

RT: 9.63 min Scan# 923

Delta R.T. 0.00 min

Lab File: VF059730.D

Acq: 1 Aug 2018 2:45

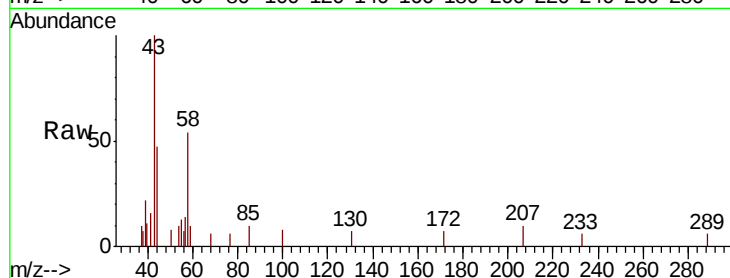
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 3937

Ion Ratio Lower Upper

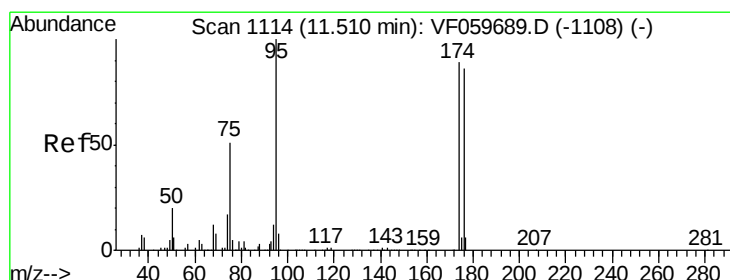
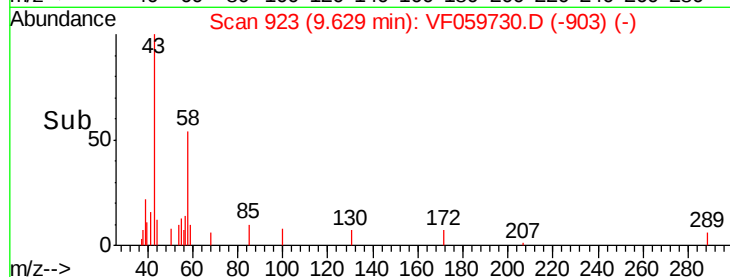
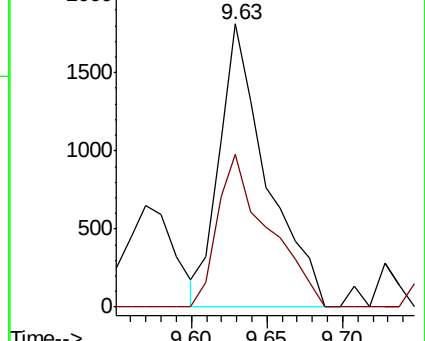
43 100

58 54.0 23.3 69.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#62

4-Bromofluorobenzene

Concen: 38.007 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059730.D

Acq: 1 Aug 2018 2:45

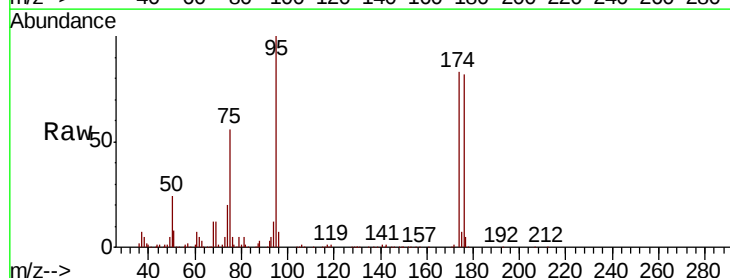
Tgt Ion: 95 Resp: 157966

Ion Ratio Lower Upper

95 100

174 83.0 0.0 178.4

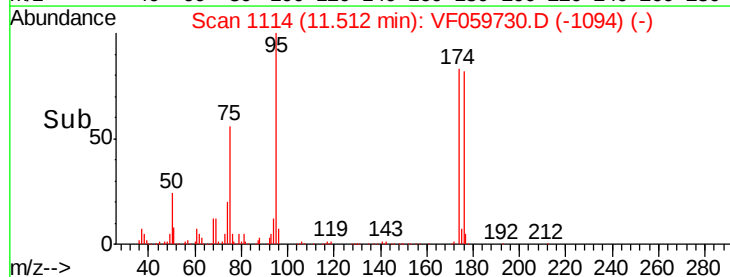
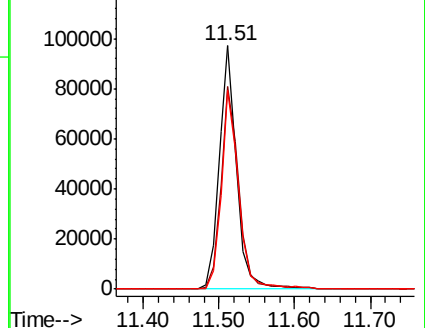
176 81.9 0.0 173.0

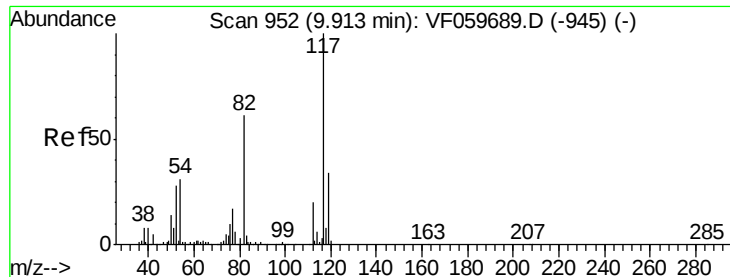


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

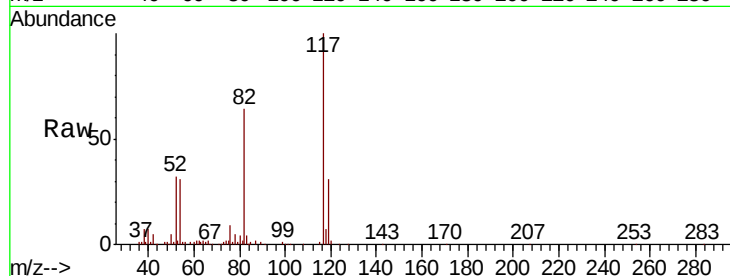




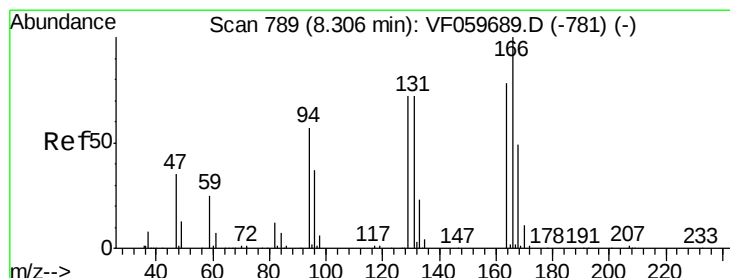
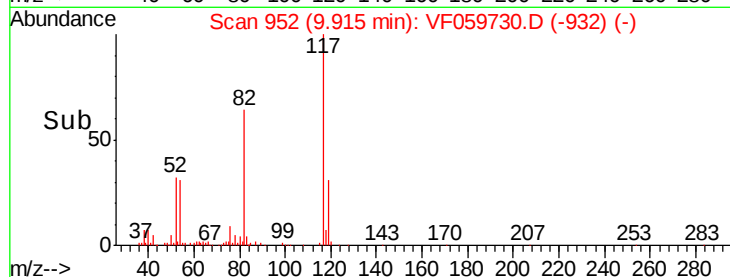
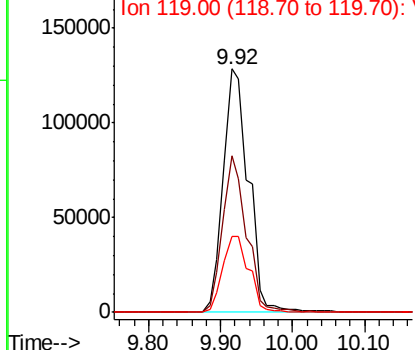
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059730.D
Acq: 1 Aug 2018 2:45

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 314218
Ion Ratio Lower Upper
117 100
82 64.4 49.0 73.4
119 31.0 27.3 40.9

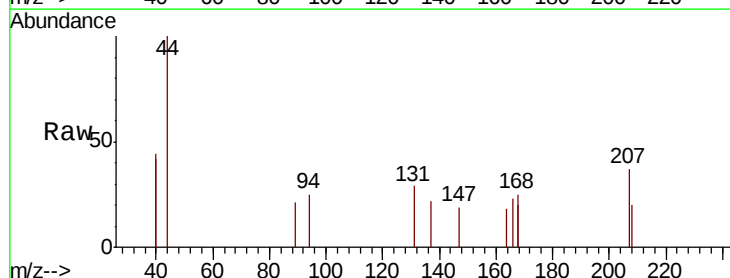


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

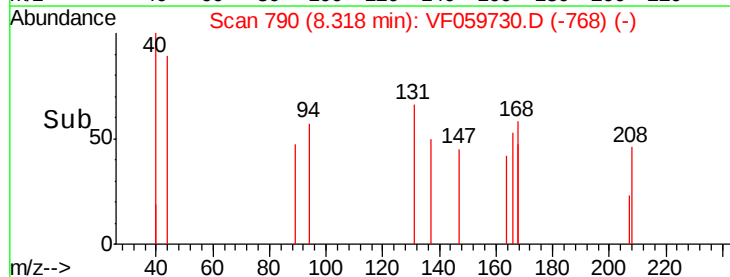
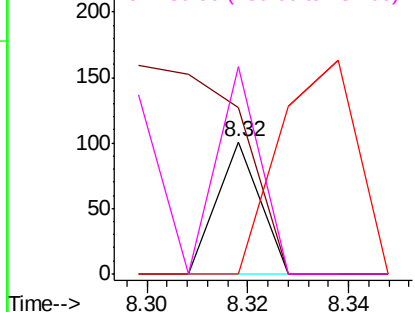


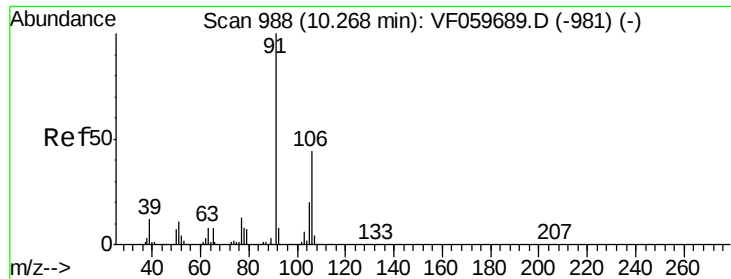
#64
Tetrachloroethene
Concen: Below Cal
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF059730.D
Acq: 1 Aug 2018 2:45

Tgt Ion:164 Resp: 60
Ion Ratio Lower Upper
164 100
166 125.7 102.1 153.1
129 0.0 73.8 110.6#
131 156.4 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

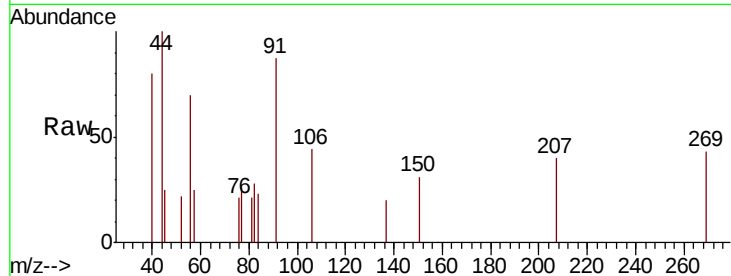




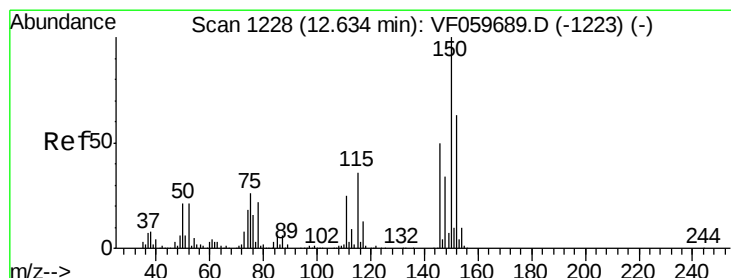
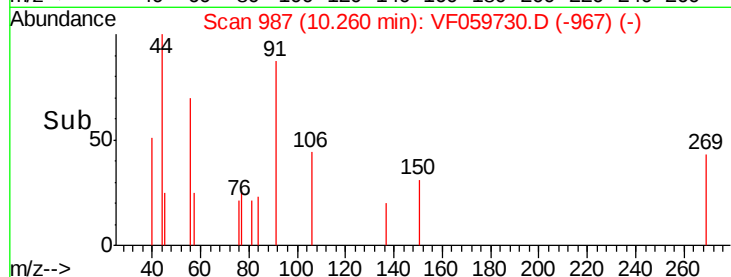
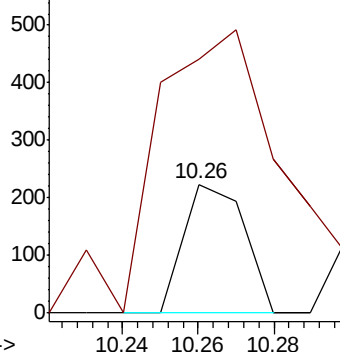
#68
m/p-Xvlenes
Concen: Below Cal
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF059730.D
Acq: 1 Aug 2018 2:45

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:106 Resp: 247
Ion Ratio Lower Upper
106 100
91 196.9 181.7 272.5

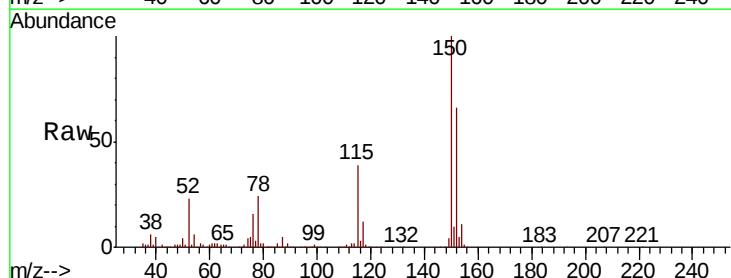


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

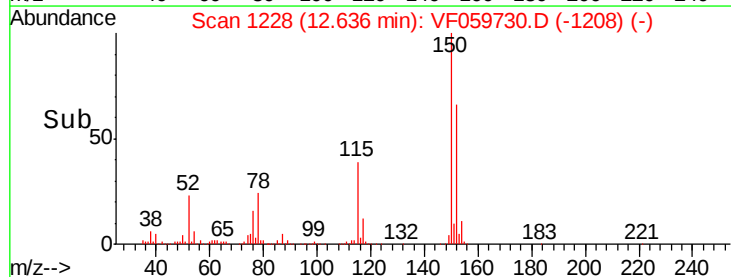
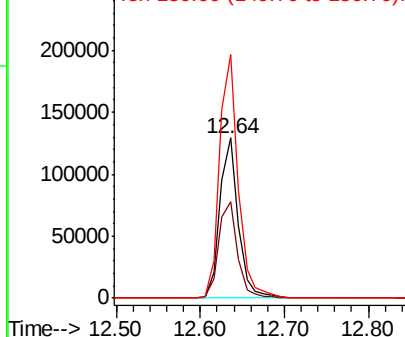


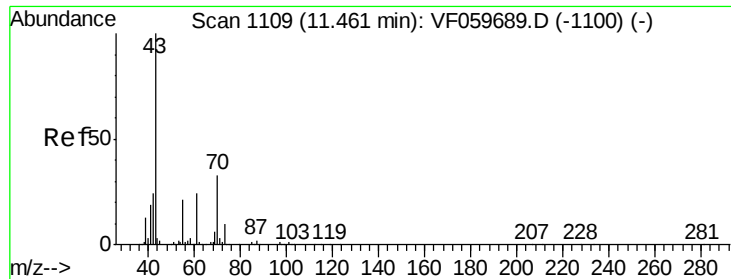
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059730.D
Acq: 1 Aug 2018 2:45

Tgt Ion:152 Resp: 196891
Ion Ratio Lower Upper
152 100
115 60.0 28.2 84.6
150 152.3 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





#74

N-amvl acetate

Concen: 1.009 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059730.D

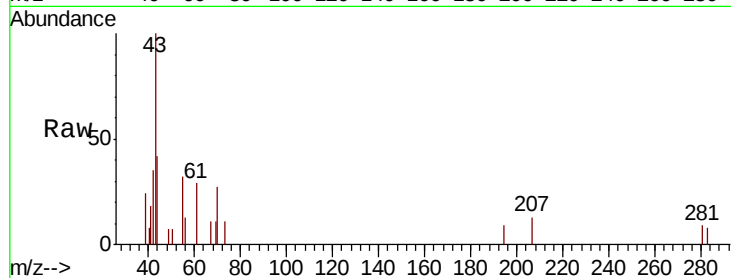
Acq: 1 Aug 2018 2:45

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	43	Resp:	3290
Ion	Ratio	Lower	Upper
43	100		
70	26.6	26.3	39.5
55	32.4	16.6	25.0#
61	28.5	19.1	28.7

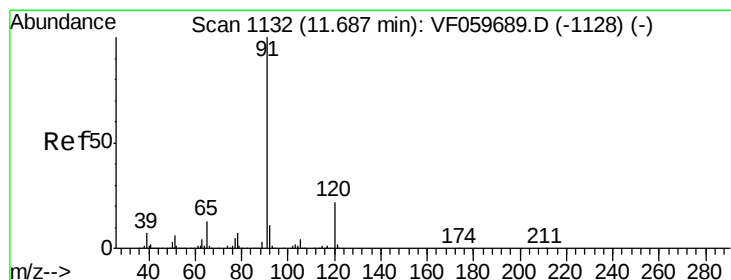
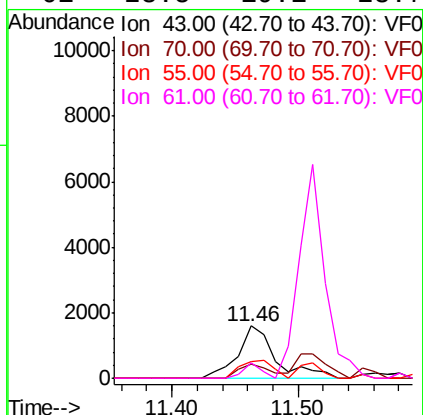
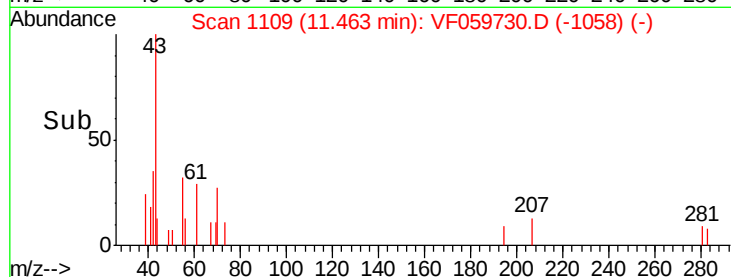


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#78

n-propylbenzene

Concen: Below Cal

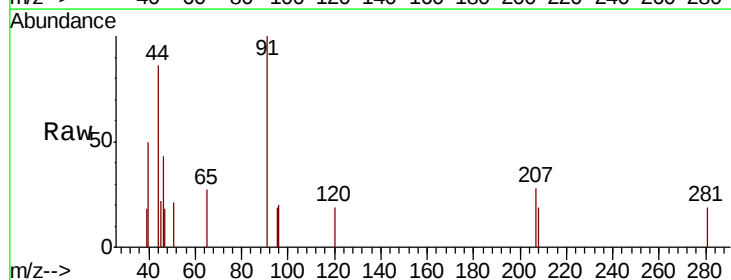
RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059730.D

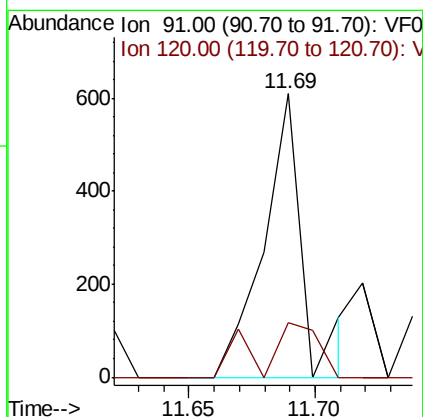
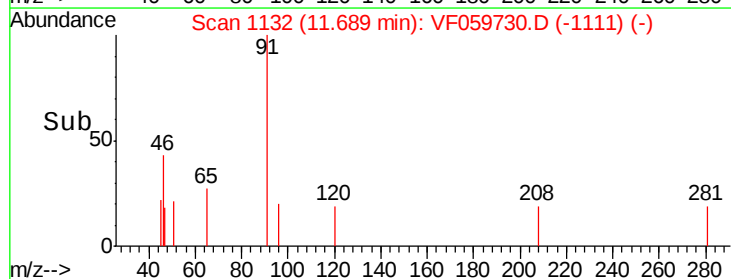
Acq: 1 Aug 2018 2:45

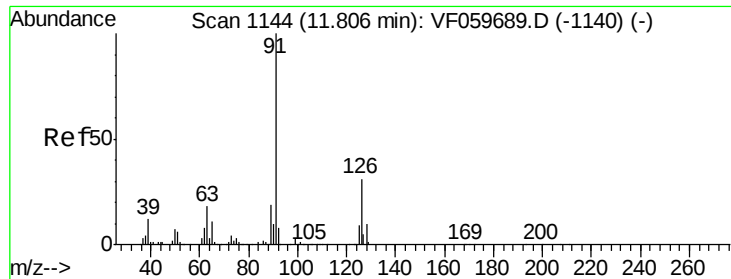
Tgt Ion:	91	Resp:	664
Ion	Ratio	Lower	Upper
91	100		
120	19.3	11.0	33.0



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: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF059730.D

Acq: 1 Aug 2018 2:45

Instrument :

MSVOA_F

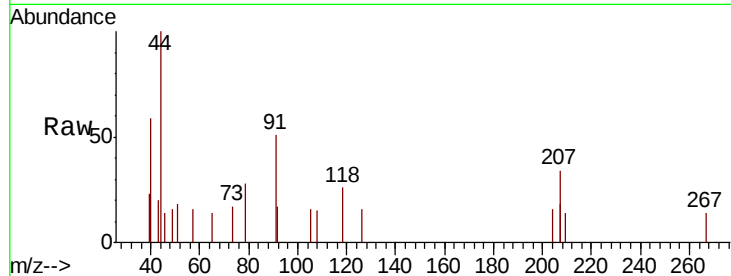
ClientSampled :

Tot Ion: 91 Resp: 484

Ion Ratio Lower Upper

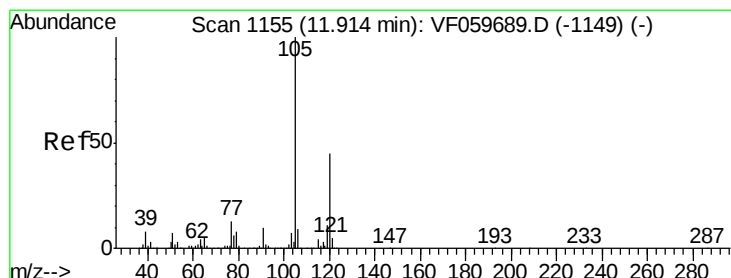
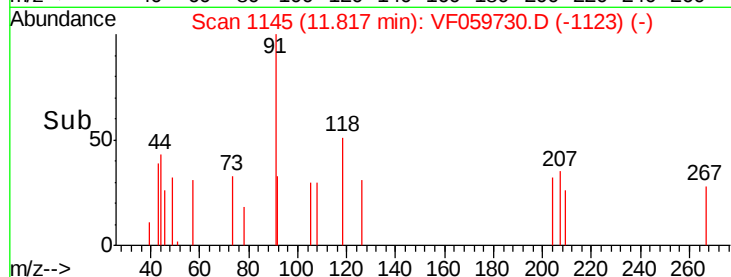
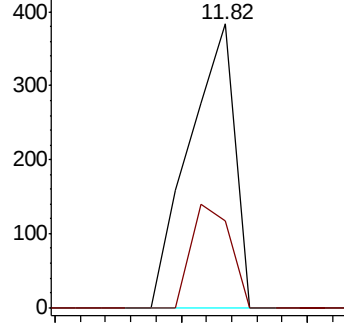
91 100

126 30.5 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: 11.92 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF059730.D

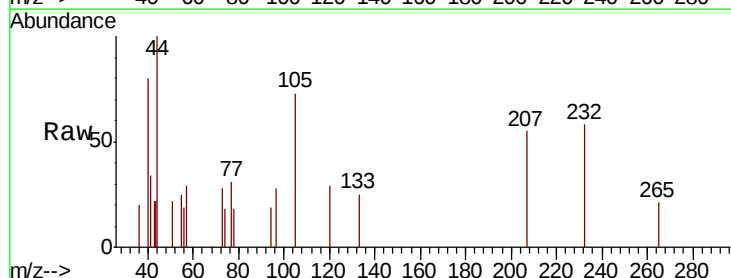
Acq: 1 Aug 2018 2:45

Tgt Ion:105 Resp: 555

Ion Ratio Lower Upper

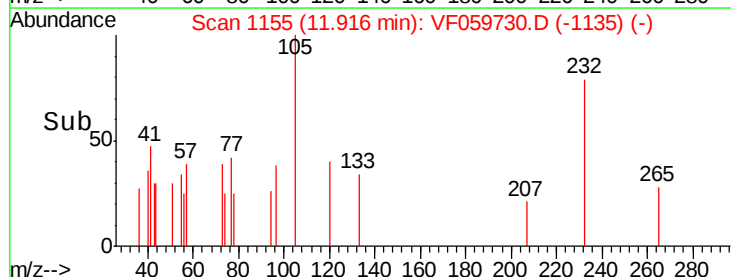
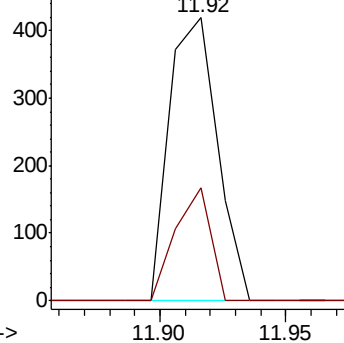
105 100

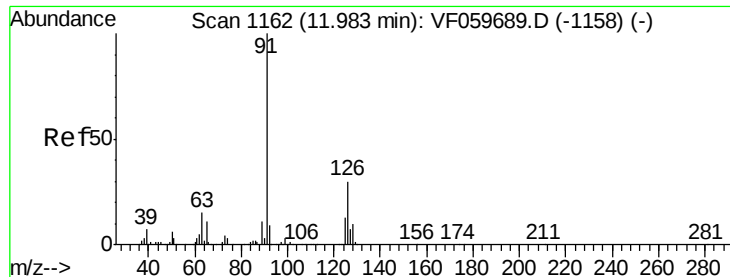
120 40.1 22.7 68.0



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. 0.00 min

Lab File: VF059730.D

Acq: 1 Aug 2018 2:45

Instrument :

MSVOA_F

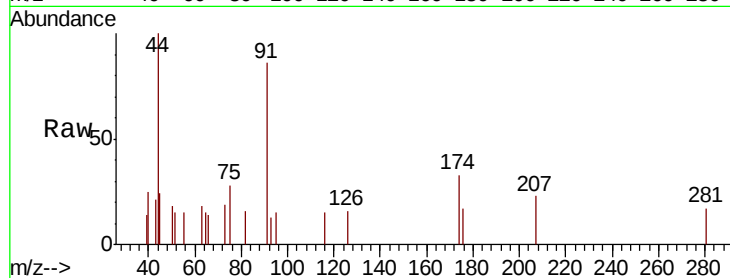
ClientSampleId :

Tot Ion: 91 Resp: 1028

Ion Ratio Lower Upper

91 100

126 18.8 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

800

600

400

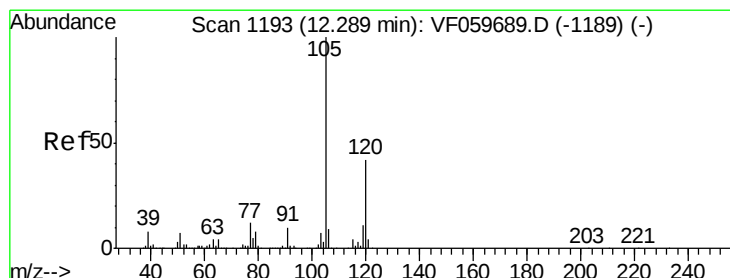
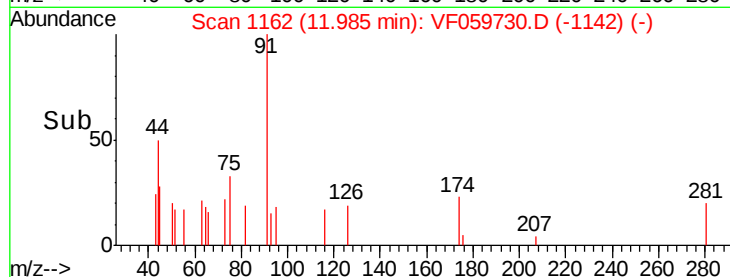
200

0

11.95

12.00

Time-->



#84

1,2,4-Trimethylbenzene

Concen: Below Cal

RT: 12.29 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VF059730.D

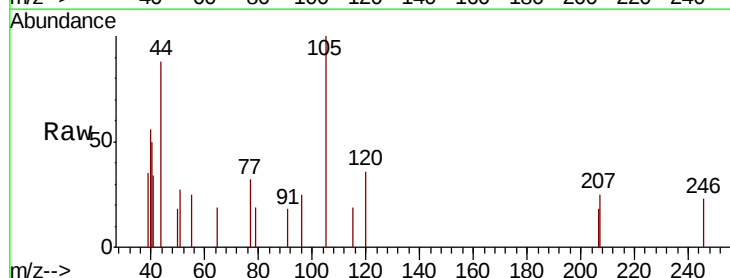
Acq: 1 Aug 2018 2:45

Tgt Ion: 105 Resp: 927

Ion Ratio Lower Upper

105 100

120 36.1 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600

400

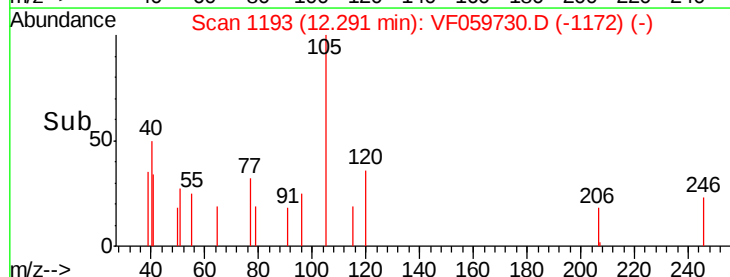
200

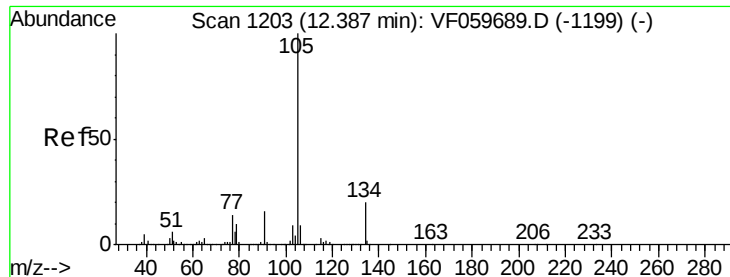
0

12.25

12.30

Time-->





#85

sec-Butylbenzene

Concen: Below Cal

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059730.D

Acq: 1 Aug 2018 2:45

Instrument :

MSVOA_F

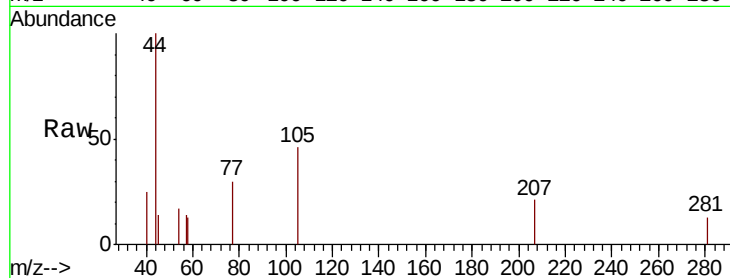
ClientSampleId :

Tot Ion:105 Resp: 377

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

12.39

400

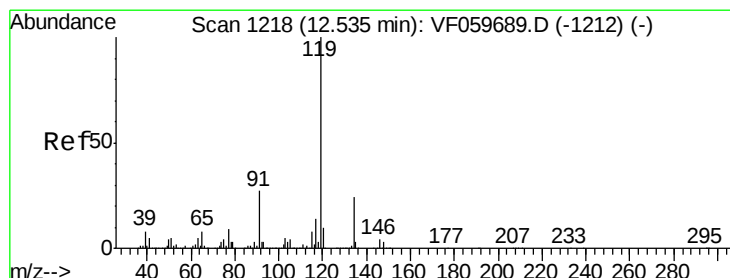
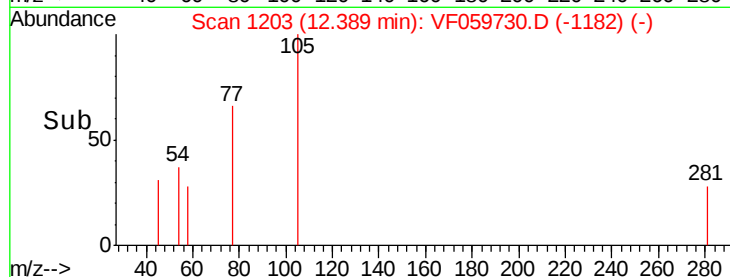
300

200

100

0

Time-->



#86

p-Isopropyltoluene

Concen: Below Cal

RT: 12.55 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VF059730.D

Acq: 1 Aug 2018 2:45

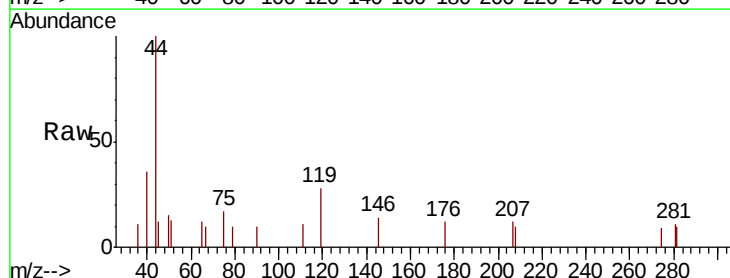
Tgt Ion:119 Resp: 347

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): VF0

12.55

400

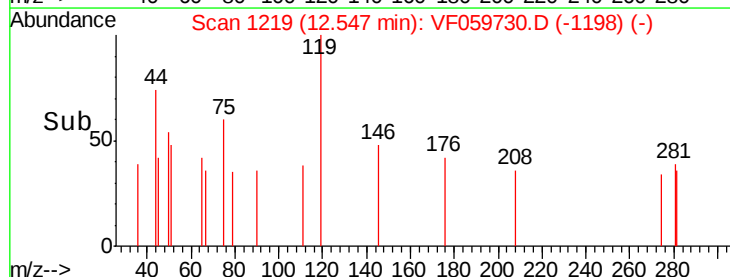
300

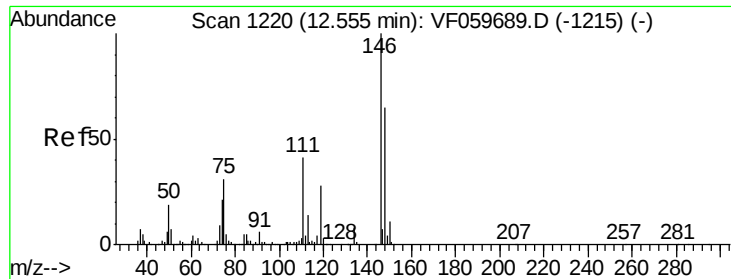
200

100

0

Time-->

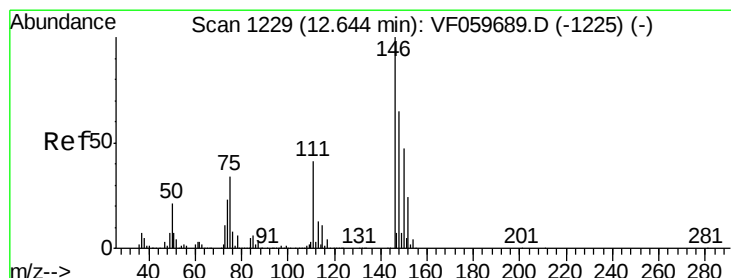
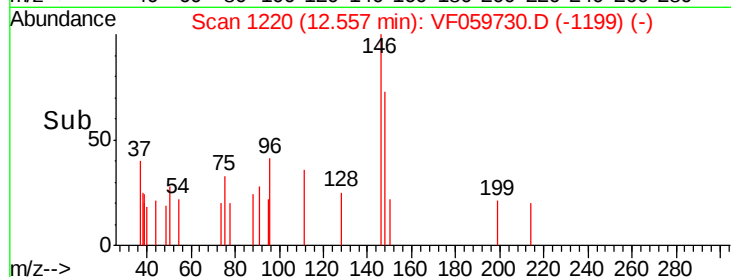
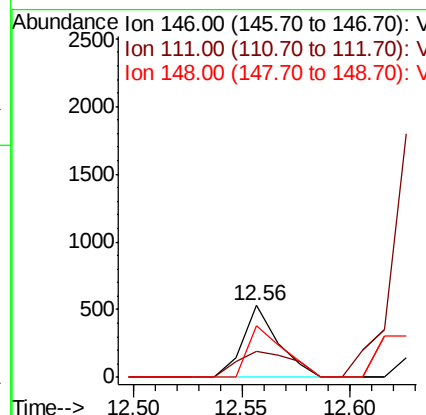
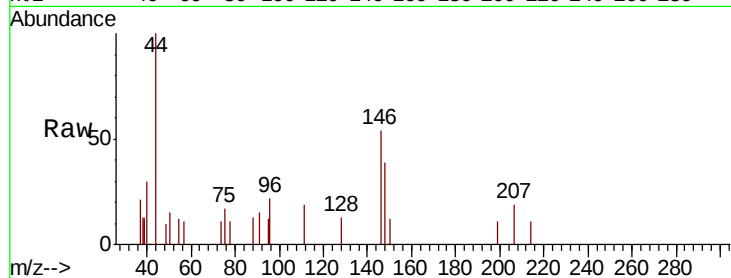




#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059730.D
 Acq: 1 Aug 2018 2:45

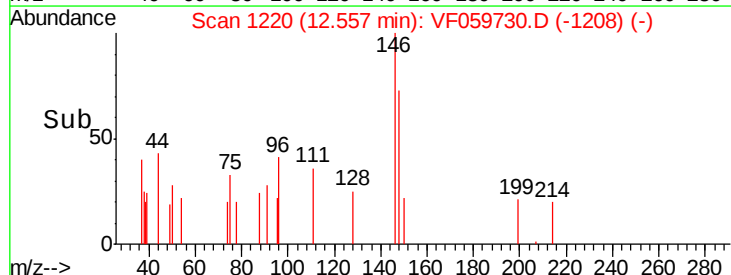
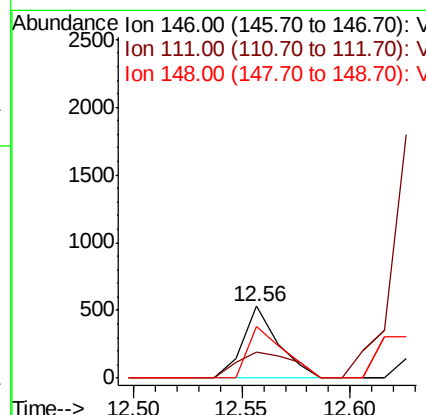
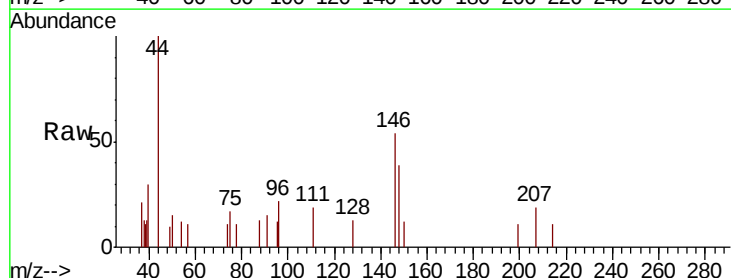
Instrument :
 MSVOA_F
 ClientSampleId :

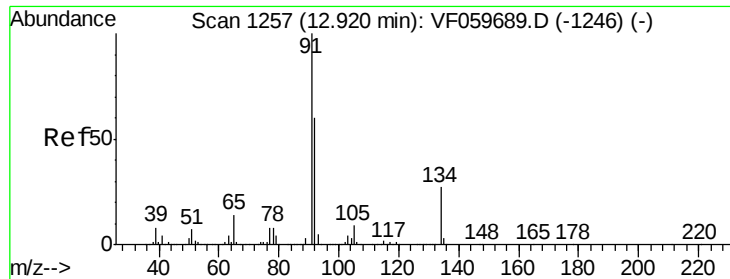
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	20.7	62.1
148	72.6	32.3	96.8



#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.09 min
 Lab File: VF059730.D
 Acq: 1 Aug 2018 2:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	20.8	62.2
148	72.6	32.3	96.9





#89

n-Butylbenzene

Concen: Below Cal

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF059730.D

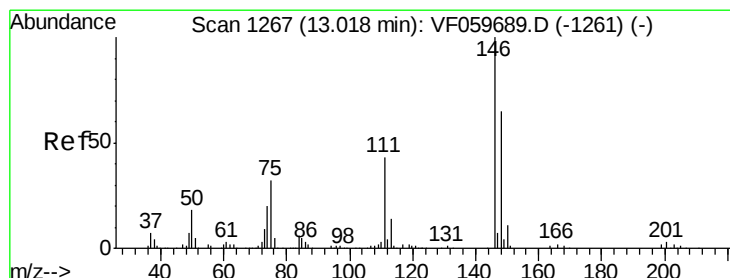
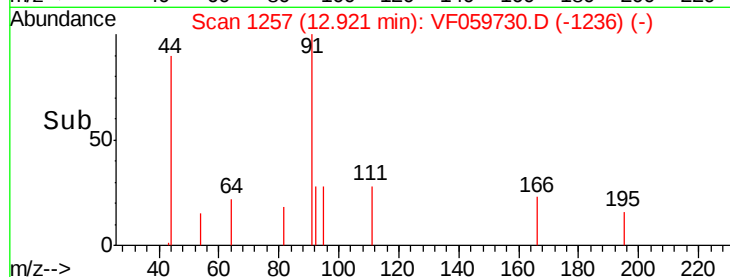
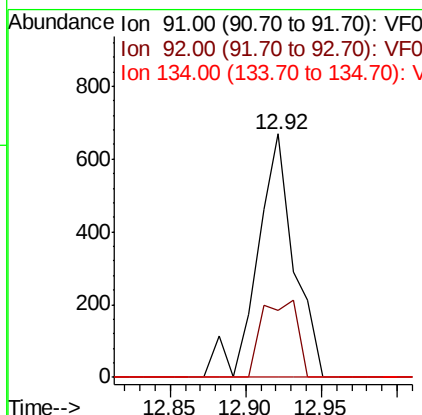
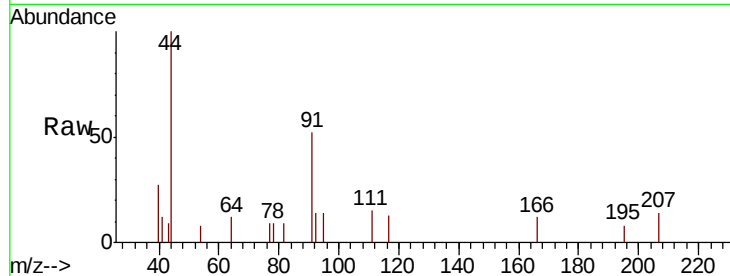
Acq: 1 Aug 2018 2:45

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	91	Resp:	1137
Ion	Ratio	Lower	Upper
91	100		
92	27.7	30.1	90.3#
134	0.0	13.7	41.0#



#91

1,2-Dichlorobenzene

Concen: Below Cal

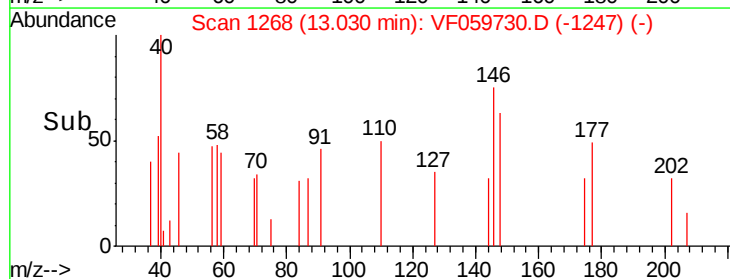
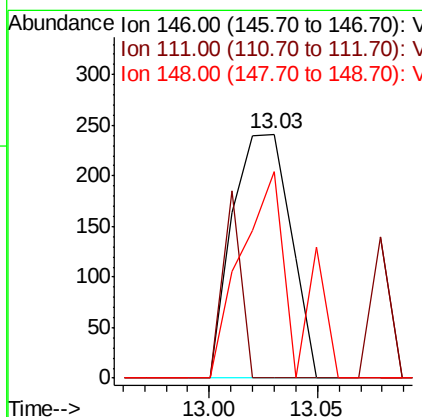
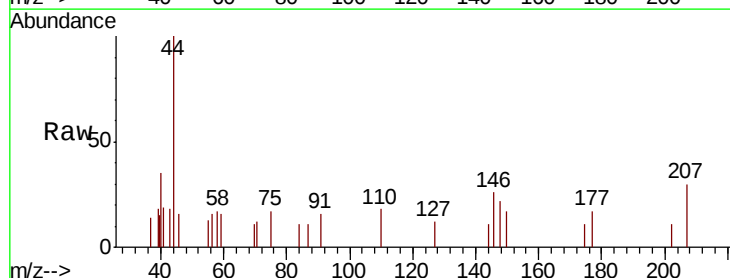
RT: 13.03 min Scan# 1268

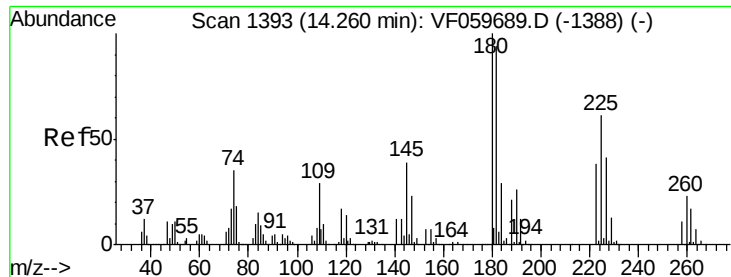
Delta R.T. 0.01 min

Lab File: VF059730.D

Acq: 1 Aug 2018 2:45

Tgt Ion:	146	Resp:	451
Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.6	65.0#
148	84.6	32.3	96.9

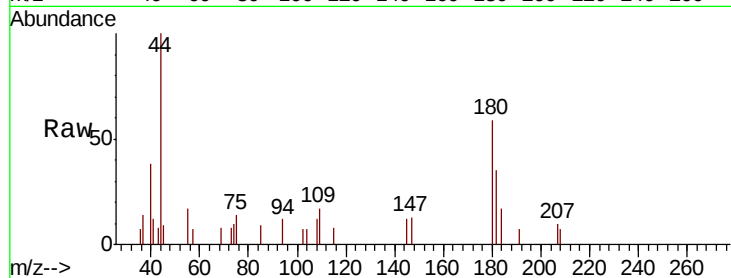




#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: VF059730.D
 Acq: 1 Aug 2018 2:45

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	59.2	47.2	141.6
145	19.6	19.3	57.9



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

