

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059704.D
 Acq On : 31 Jul 2018 12:52
 Operator : VA/AP
 Sample : J4139-04
 Misc : 5.87g/5mL/MSVOA F/SOIL
 ALS Vial : 85 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 31 14:01:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 05:19:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	35511	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.76	114	40373	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	30829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	11885	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	13469	21.10	ug/l	0.00
Spiked Amount 50.000			Recovery =	42.20%		
35) Dibromofluoromethane	4.29	113	12845	30.63	ug/l	0.00
Spiked Amount 50.000			Recovery =	61.26%		
50) Toluene-d8	7.71	98	40532	41.45	ug/l	0.00
Spiked Amount 50.000			Recovery =	82.90%		
62) 4-Bromofluorobenzene	11.51	95	12938	23.90	ug/l	0.00
Spiked Amount 50.000			Recovery =	47.80%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	159	Below Cal	#	44
3) Chloromethane	1.11	50	816	Below Cal	#	38
4) Vinyl Chloride	1.15	62	163	Below Cal	#	47
5) Bromomethane	1.19	94	151	Below Cal		97
6) Chloroethane	1.41	64	135	Below Cal	#	35
11) Tert butyl alcohol	2.68	59	137	3.887	ug/l #	74
13) Acrolein	2.08	56	60	20.230	ug/l #	4
15) Acrylonitrile	3.08	53	68	1.712	ug/l #	7
16) Acetone	2.33	43	192	1.673	ug/l #	68
18) Methyl Acetate	2.45	43	96	Below Cal	#	64
20) Methylene Chloride	2.29	84	2395	2.874	ug/l #	61
21) trans-1,2-Dichloroethene	2.45	96	143	Below Cal	#	1
23) Vinyl Acetate	3.32	43	486	1.018	ug/l #	83
25) 2-Butanone	4.49	43	489	3.817	ug/l #	1
28) Bromochloromethane	3.95	49	60	Below Cal	#	15
29) Tetrahydrofuran	4.25	42	68	1.381	ug/l #	39
31) Cyclohexane	3.99	56	152	Below Cal	#	15
37) Ethyl Acetate	4.31	43	112	Below Cal	#	19
39) Methylcyclohexane	5.75	83	455	Below Cal	#	55
41) Methacrylonitrile	4.88	41	412	1.319	ug/l #	24
43) Isopropyl Acetate	7.10	43	784	3.248	ug/l #	46
48) Methyl methacrylate	6.89	41	313	1.724	ug/l #	13
49) 1,4-Dioxane	6.87	88	74	Below Cal	#	37
51) 4-Methyl-2-Pentanone	8.41	43	2291	12.475	ug/l #	85
52) Toluene	7.78	92	162	Below Cal	#	47
56) Ethyl methacrylate	8.75	69	336	1.459	ug/l #	85
58) 2-Chloroethyl Vinyl ether	7.73	63	131	4.927	ug/l	100
59) 2-Hexanone	9.63	43	5162	35.077	ug/l	90
64) Tetrachloroethene	8.29	164	82	Below Cal	#	1
68) m/p-Xylenes	10.27	106	321	Below Cal	#	11
74) N-amyl acetate	11.46	43	2084	10.592	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.77	83	225	1.533	ug/l #	25
76) 1,2,3-Trichloropropane	11.89	75	216	1.730	ug/l #	39
77) Bromobenzene	11.60	156	206	1.012	ug/l #	37

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059704.D
 Acq On : 31 Jul 2018 12:52
 Operator : VA/AP
 Sample : J4139-04
 Misc : 5.87g/5mL/MSVOA F/SOIL
 ALS Vial : 85 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 31 14:01:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 05:19:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

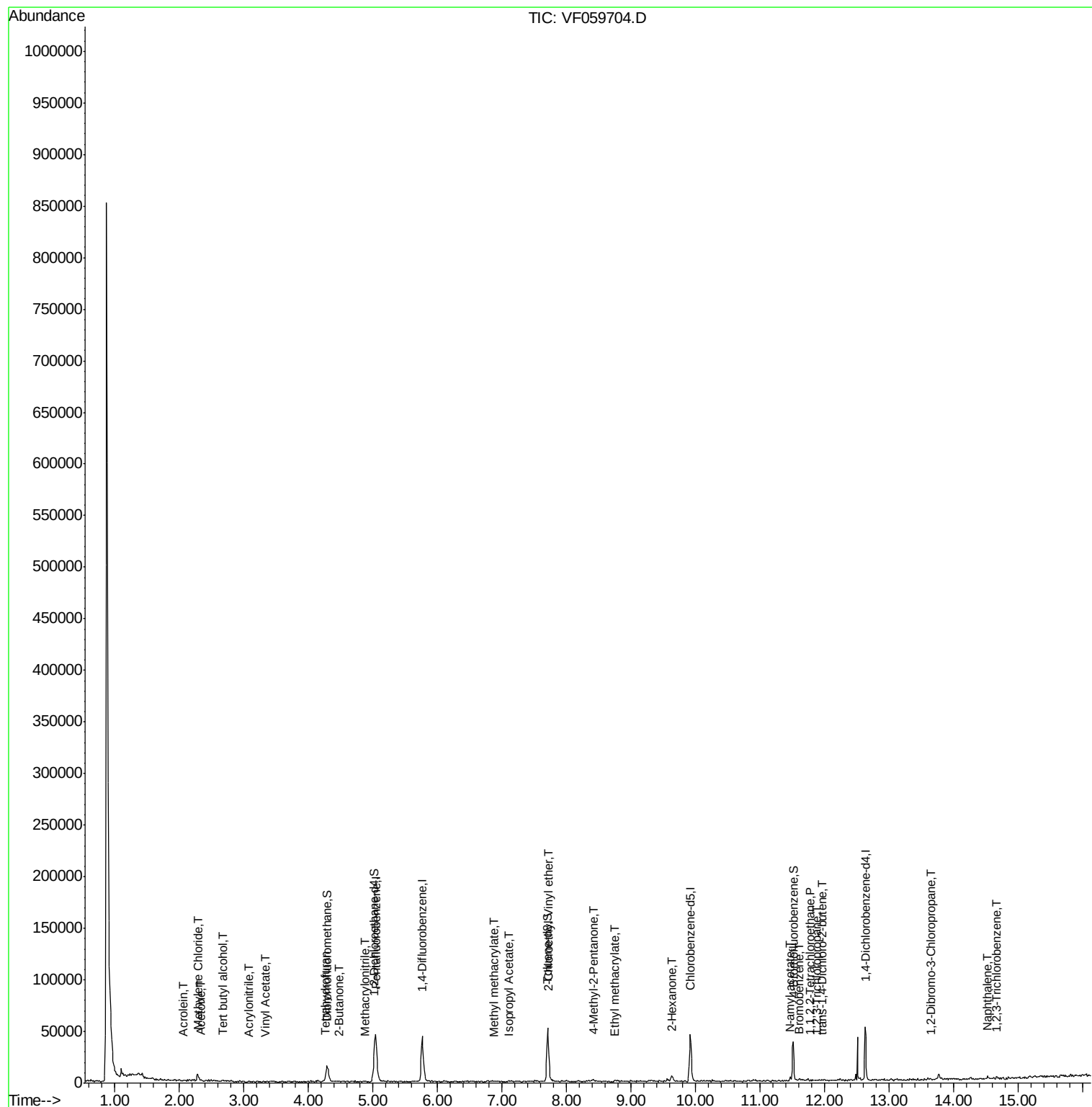
78) n-propylbenzene	11.70	91	797	Below Cal	#	54
79) 2-Chlorotoluene	11.81	91	426	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	11.91	105	316	Below Cal	#	31
81) trans-1,4-Dichloro-2-buten	11.95	75	91	1.760 ug/l	#	72
82) 4-Chlorotoluene	11.98	91	432	Below Cal	#	68
84) 1,2,4-Trimethylbenzene	12.29	105	600	Below Cal	#	33
85) sec-Butylbenzene	12.38	105	395	Below Cal	#	57
86) p-Isopropyltoluene	12.54	119	648	Below Cal	#	54
87) 1,3-Dichlorobenzene	12.64	146	583	Below Cal		84
88) 1,4-Dichlorobenzene	12.64	146	583	Below Cal		84
89) n-Butylbenzene	12.92	91	357	Below Cal	#	77
91) 1,2-Dichlorobenzene	13.02	146	384	Below Cal	#	52
92) 1,2-Dibromo-3-Chloropropan	13.66	75	67	1.867 ug/l	#	9
93) 1,2,4-Trichlorobenzene	14.27	180	415	Below Cal	#	31
95) Naphthalene	14.52	128	1824	3.560 ug/l	#	76
96) 1,2,3-Trichlorobenzene	14.67	180	542	1.914 ug/l		63

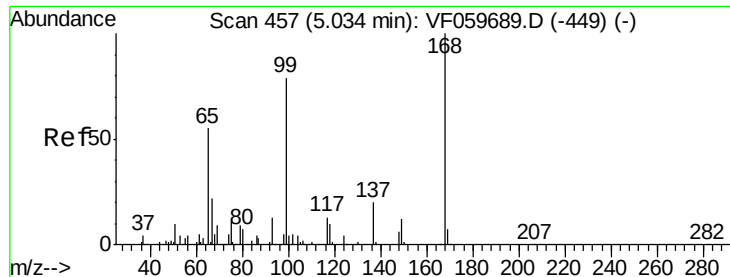
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF073118\
Data File : VF059704.D
Acq On : 31 Jul 2018 12:52
Operator : VA/AP
Sample : J4139-04
Misc : 5.87g/5mL/MSVOA F/SOIL
ALS Vial : 85 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jul 31 14:01:58 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 05:19:18 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059704.D

Acq: 31 Jul 2018 12:52

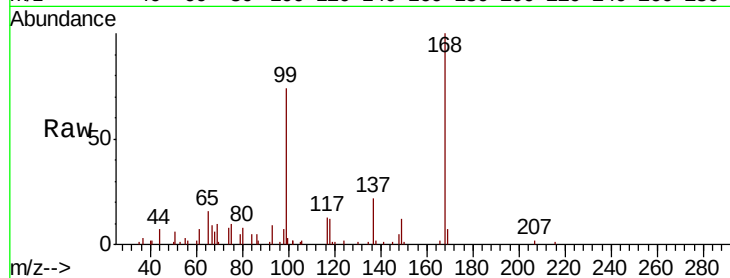
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 35511

Ion Ratio Lower Upper

168 100

99 73.9 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

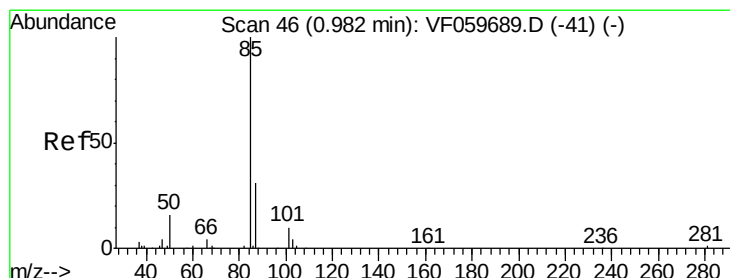
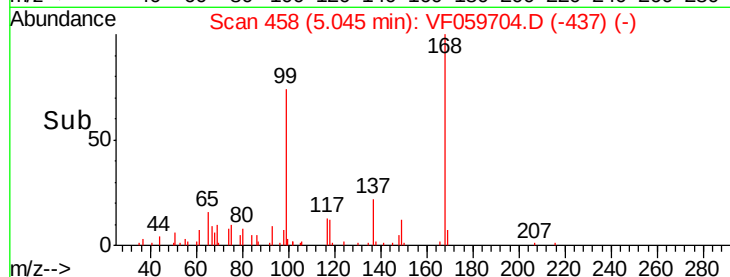
5.04

10000

5000

0

Time--> 4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059704.D

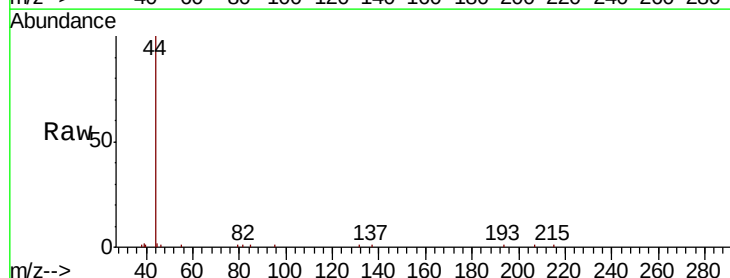
Acq: 31 Jul 2018 12:52

Tgt Ion: 85 Resp: 159

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

0.98

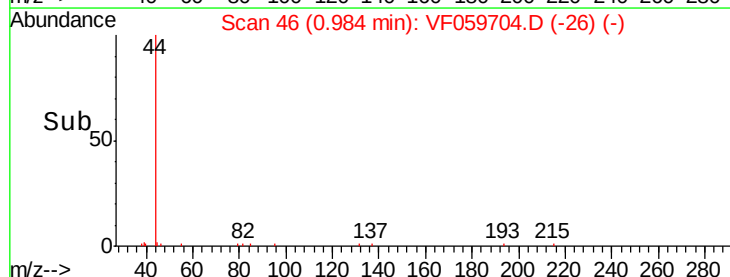
150

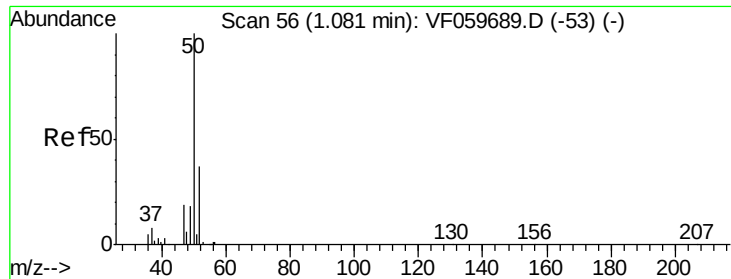
100

50

0

Time--> 0.95 1.00





#3

Chloromethane

Concen: Below Cal

RT: 1.11 min Scan# 59

Delta R.T. 0.03 min

Lab File: VF059704.D

Acq: 31 Jul 2018 12:52

Instrument :

MSVOA_F

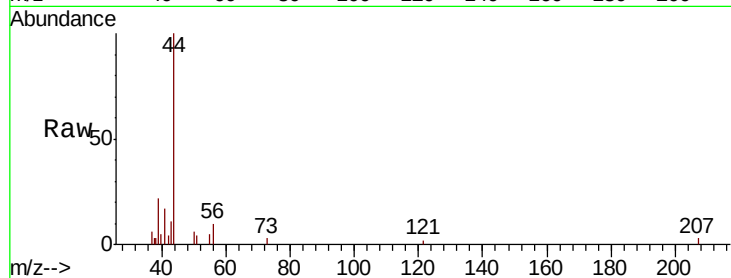
ClientSampleId :

Tot Ion: 50 Resp: 816

Ion Ratio Lower Upper

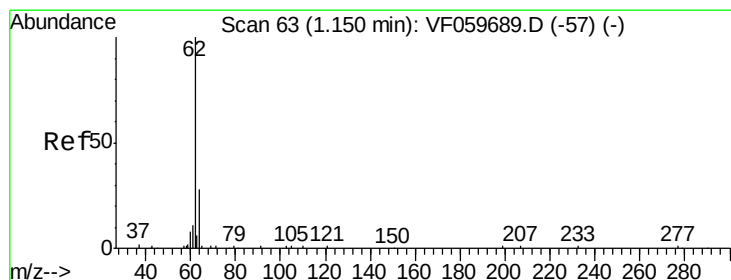
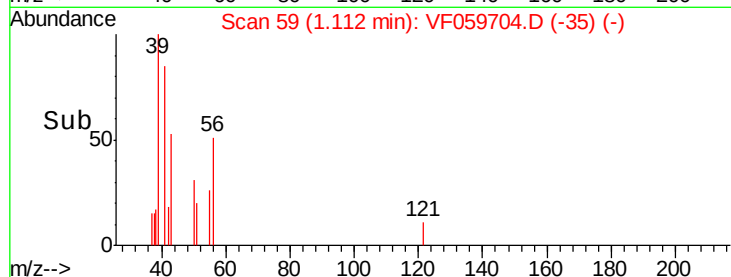
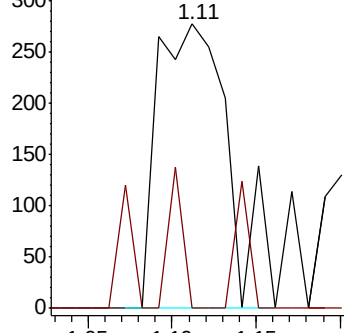
50 100

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: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059704.D

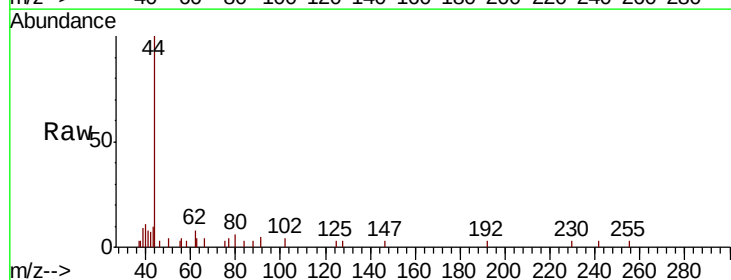
Acq: 31 Jul 2018 12:52

Tgt Ion: 62 Resp: 163

Ion Ratio Lower Upper

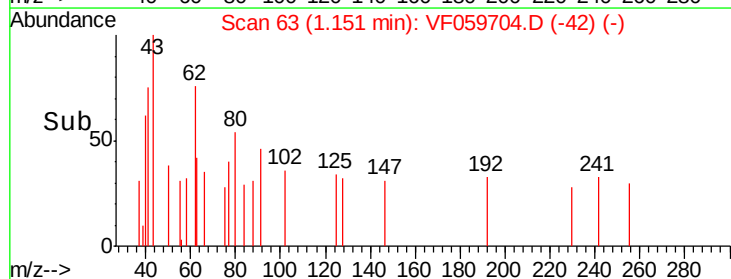
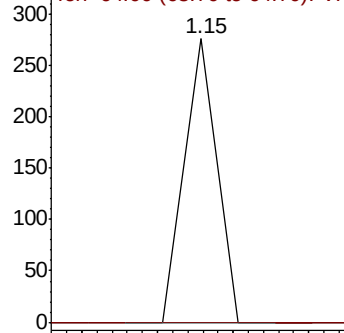
62 100

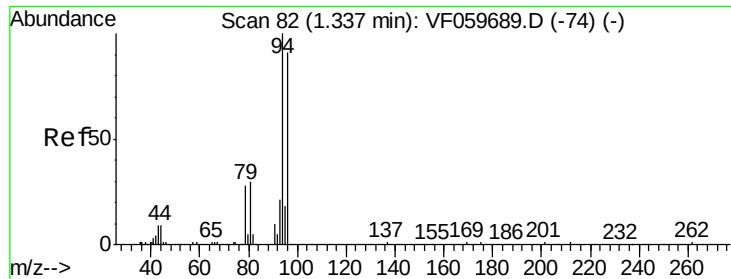
64 0.0 22.6 33.8#



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: 1.19 min Scan# 67

Delta R.T. -0.15 min

Lab File: VF059704.D

Acq: 31 Jul 2018 12:52

Instrument :

MSVOA_F

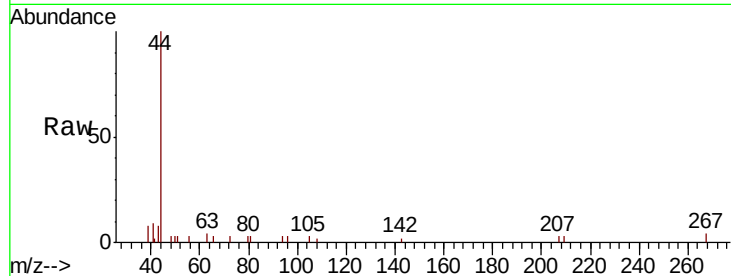
ClientSampled :

Tot Ion: 94 Resp: 151

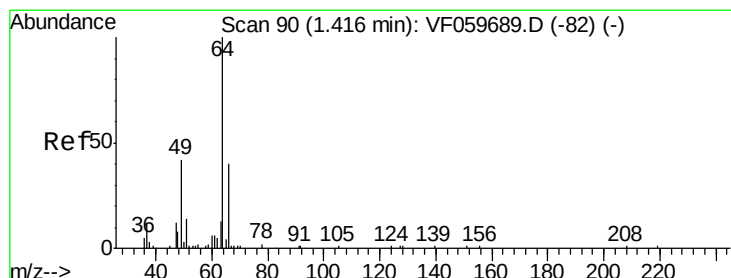
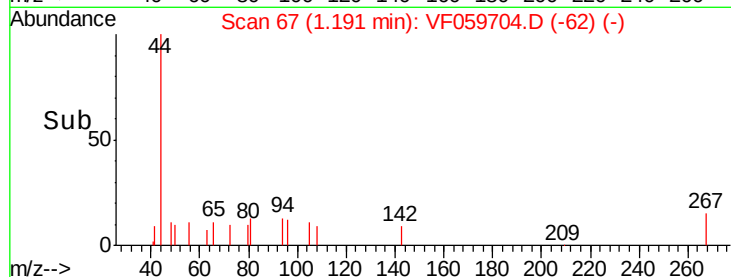
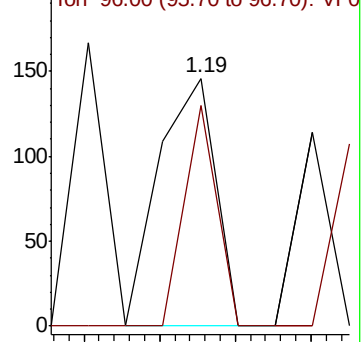
Ion Ratio Lower Upper

94 100

96 89.0 73.6 110.4



Abundance Ion 94.00 (93.70 to 94.70): VF0



#6

Chloroethane

Concen: Below Cal

RT: 1.41 min Scan# 89

Delta R.T. -0.01 min

Lab File: VF059704.D

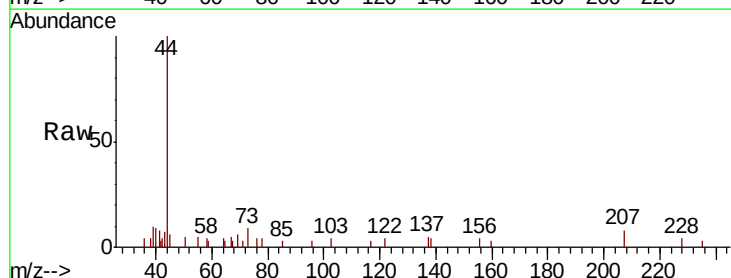
Acq: 31 Jul 2018 12:52

Tgt Ion: 64 Resp: 135

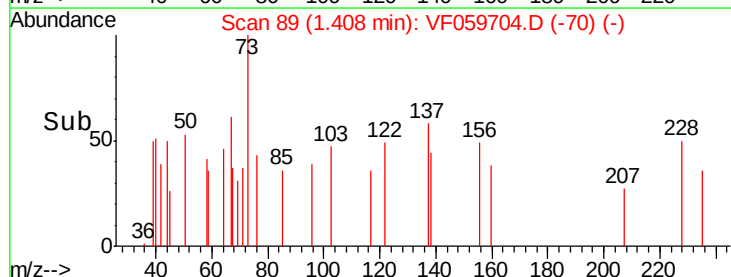
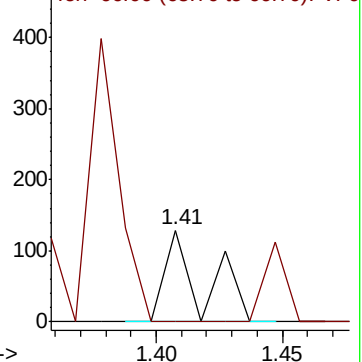
Ion Ratio Lower Upper

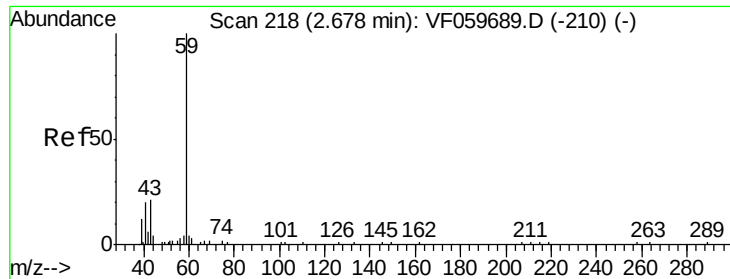
64 100

66 0.0 32.6 49.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

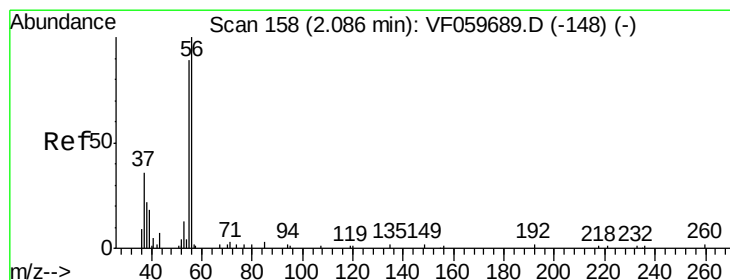
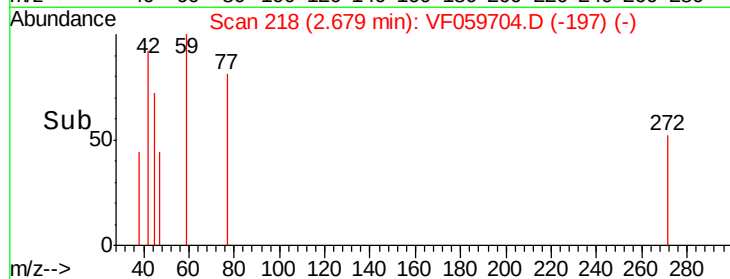
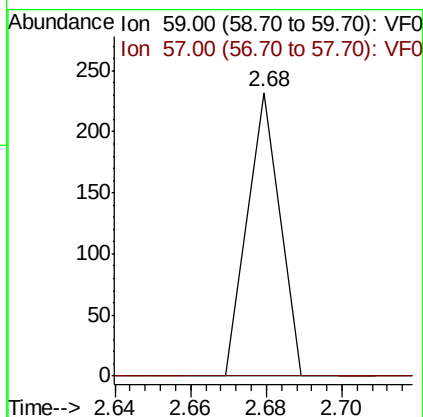
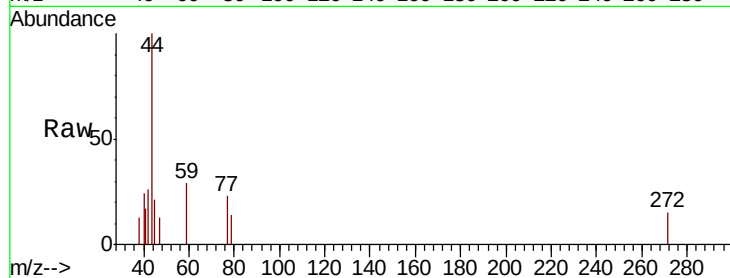




#11
Tert butyl alcohol
Concen: 3.887 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059704.D
Acq: 31 Jul 2018 12:52

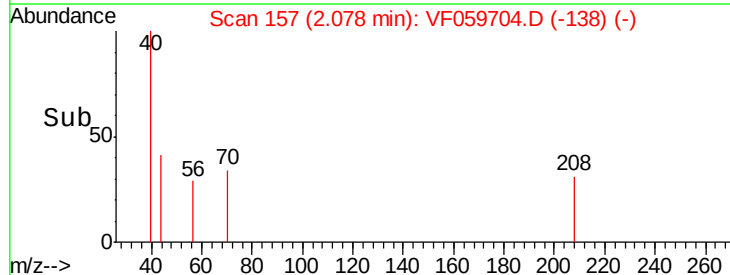
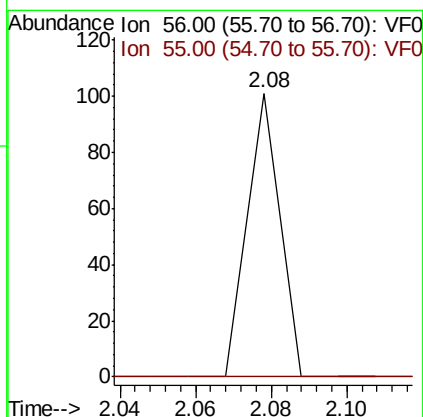
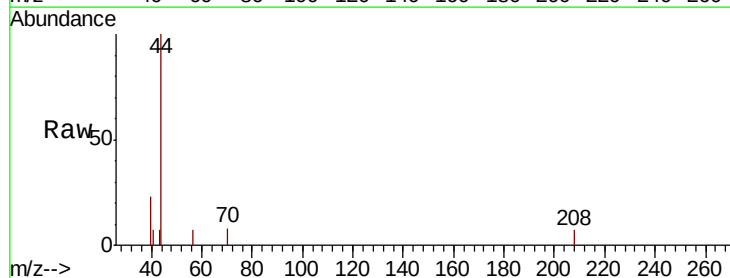
Instrument :
MSVOA_F
ClientSampled :

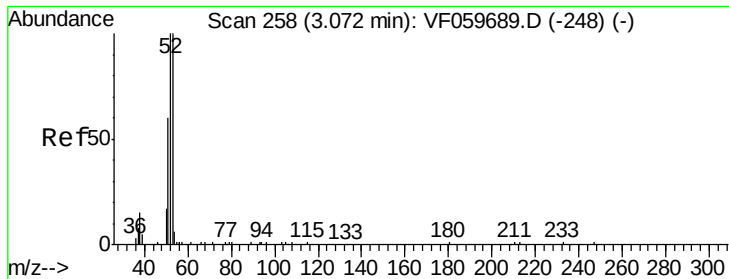
Tot Ion: 59 Resp: 137
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#



#13
Acrolein
Concen: 20.230 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF059704.D
Acq: 31 Jul 2018 12:52

Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 0.0 73.2 109.8#





#15

Acrylonitrile

Concen: 1.712 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF059704.D

Acq: 31 Jul 2018 12:52

Instrument :
MSVOA_F
ClientSampleId :

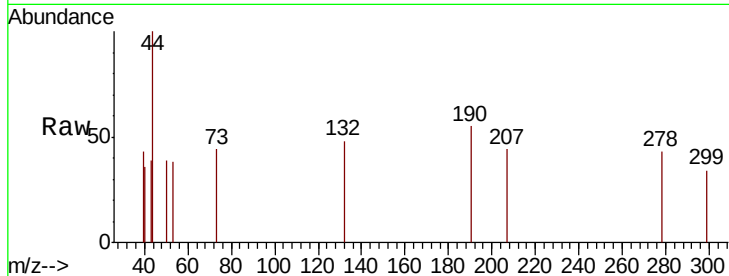
Tot Ion: 53 Resp: 68

Ion Ratio Lower Upper

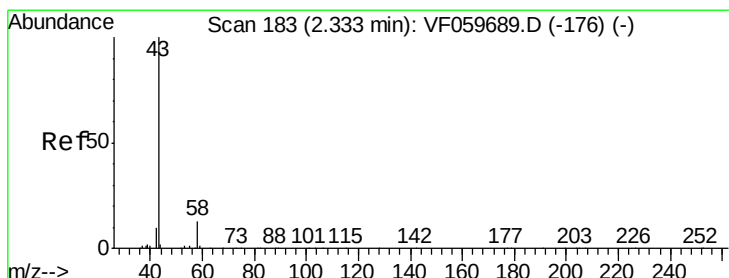
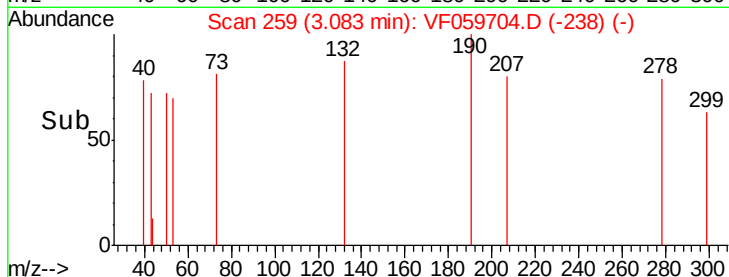
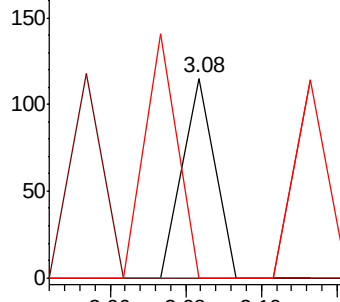
53 100

52 0.0 80.3 120.5#

51 0.0 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: 1.673 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059704.D

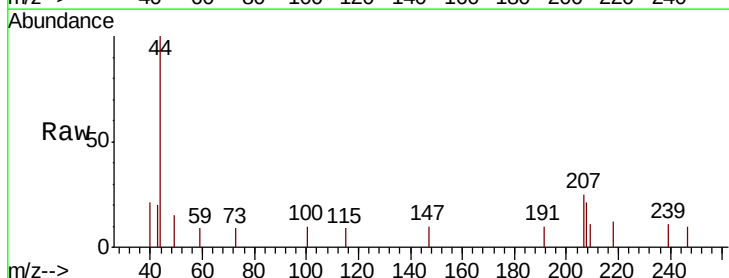
Acq: 31 Jul 2018 12:52

Tgt Ion: 43 Resp: 192

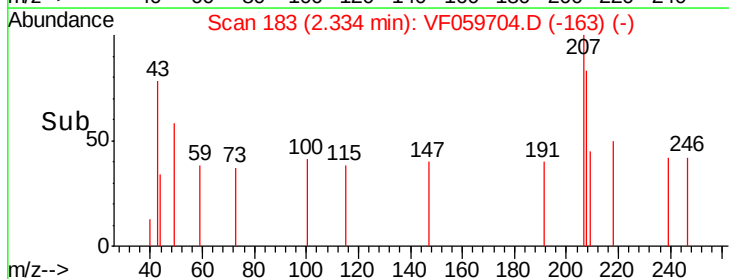
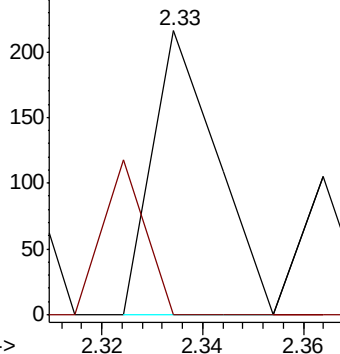
Ion Ratio Lower Upper

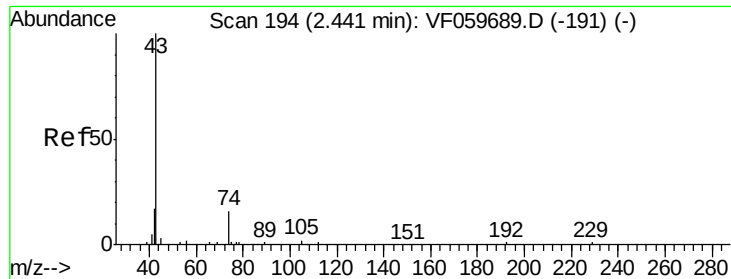
43 100

58 0.0 10.1 15.1#



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

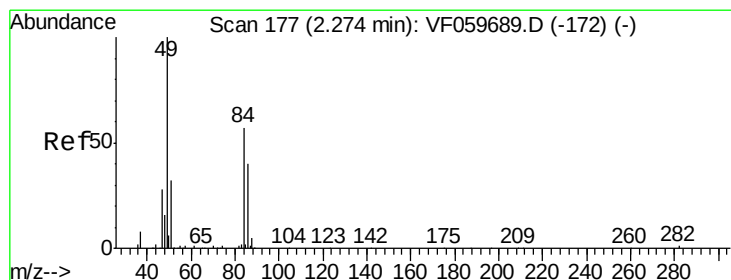
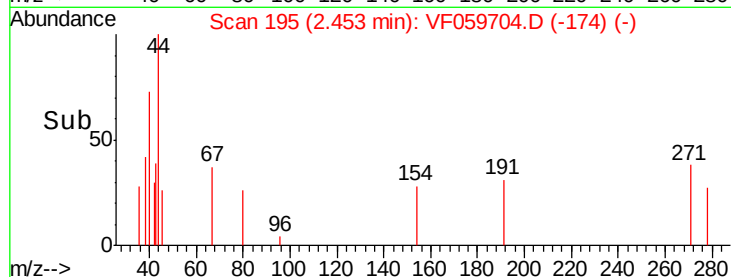
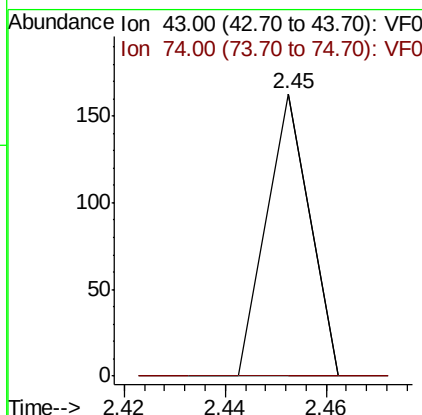
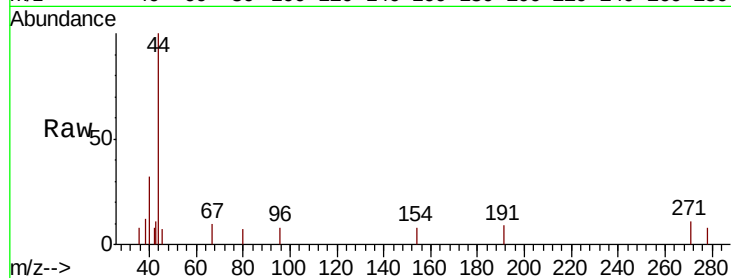




#18
Methyl Acetate
Concen: Below Cal
RT: 2.45 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059704.D
Acq: 31 Jul 2018 12:52

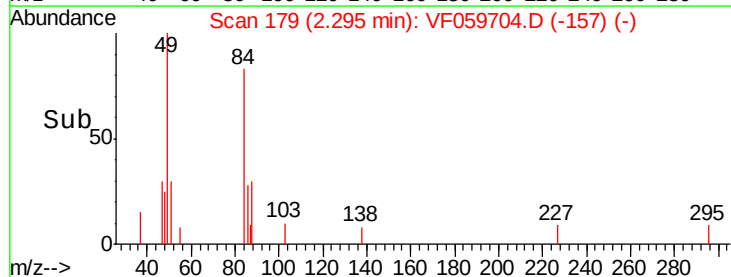
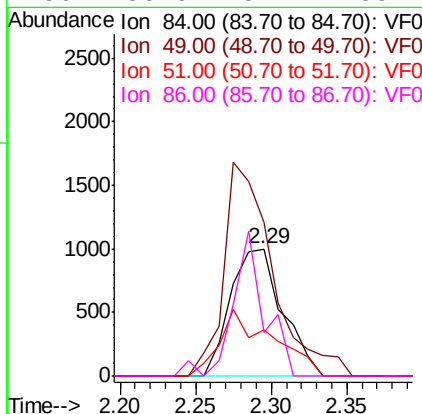
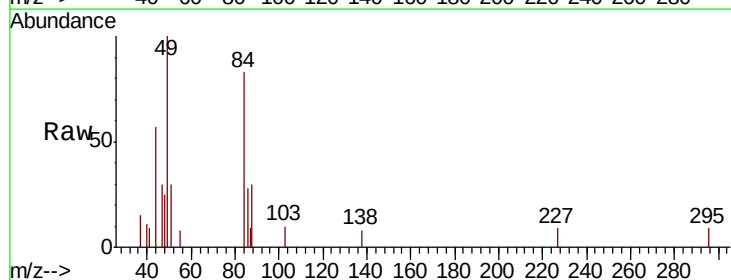
Instrument :
MSVOA_F
ClientSampleId :

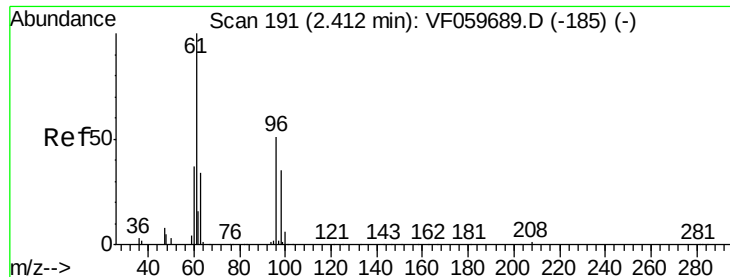
Tot Ion: 43 Resp: 96
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#



#20
Methylene Chloride
Concen: 2.874 ug/l
RT: 2.29 min Scan# 179
Delta R.T. 0.02 min
Lab File: VF059704.D
Acq: 31 Jul 2018 12:52

Tgt Ion: 84 Resp: 2395
Ion Ratio Lower Upper
84 100
49 120.9 142.2 213.4#
51 35.9 46.2 69.2#
86 33.9 57.1 85.7#





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 2.45 min Scan# 195

Delta R.T. 0.04 min

Lab File: VF059704.D

Acq: 31 Jul 2018 12:52

Instrument :

MSVOA_F

ClientSampleId :

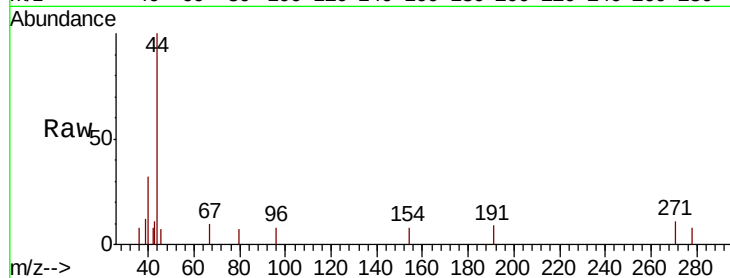
Tot Ion: 96 Resp: 143

Ion Ratio Lower Upper

96 100

61 0.0 157.4 236.0#

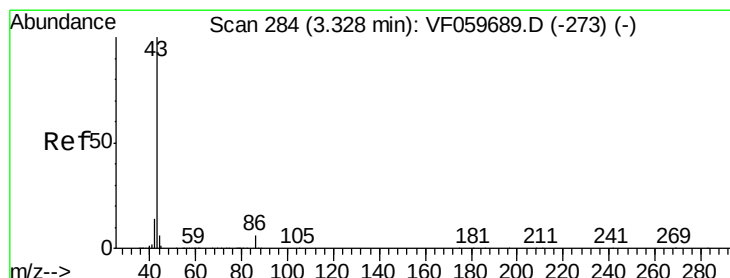
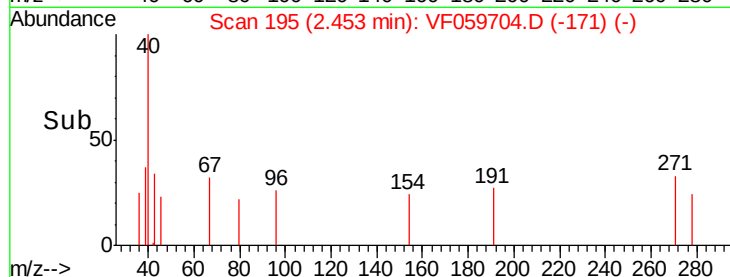
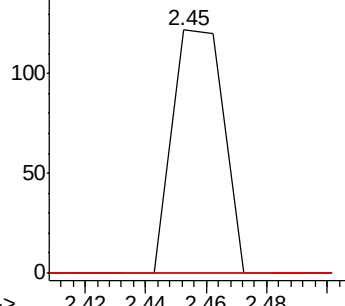
98 0.0 55.0 82.4#



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



#23

Vinyl Acetate

Concen: 1.018 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF059704.D

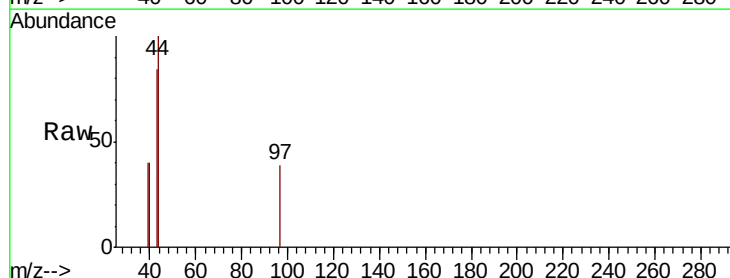
Acq: 31 Jul 2018 12:52

Tgt Ion: 43 Resp: 486

Ion Ratio Lower Upper

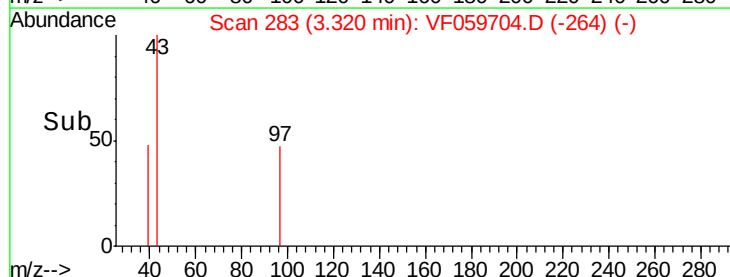
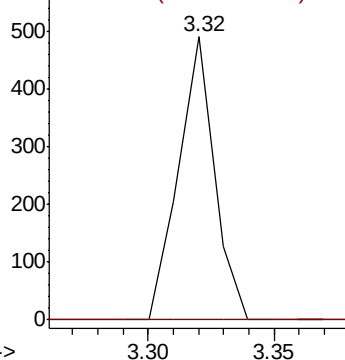
43 100

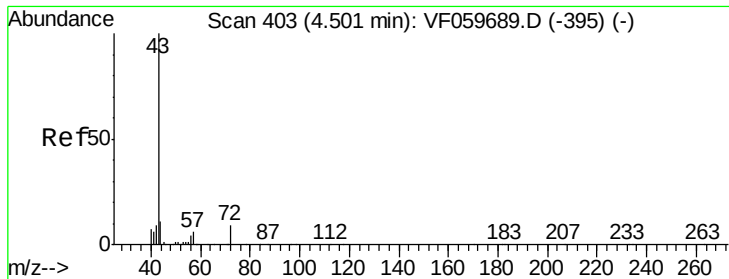
86 0.0 4.6 6.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

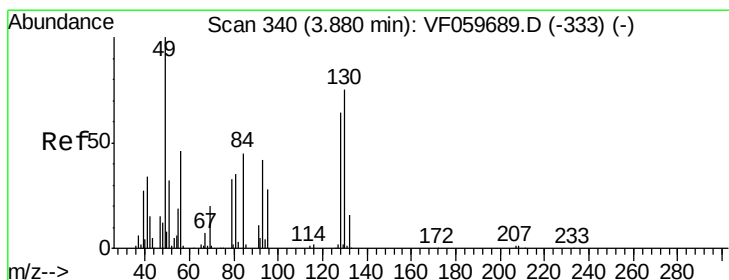
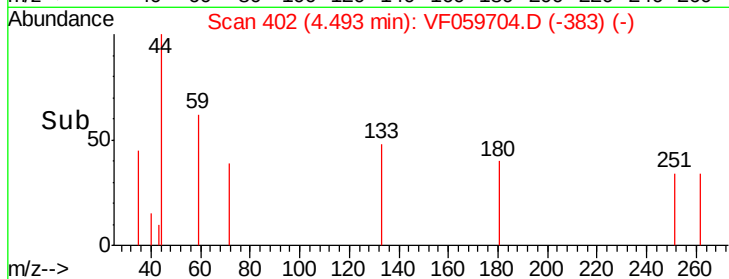
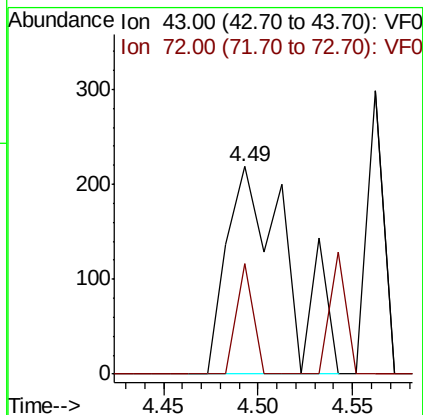
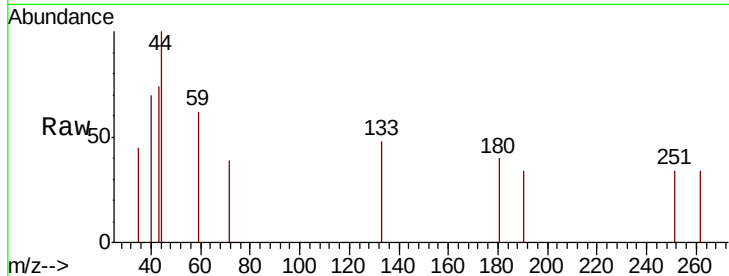




#25
2-Butanone
Concen: 3.817 ug/l
RT: 4.49 min Scan# 402
Delta R.T. -0.01 min
Lab File: VF059704.D
Acq: 31 Jul 2018 12:52

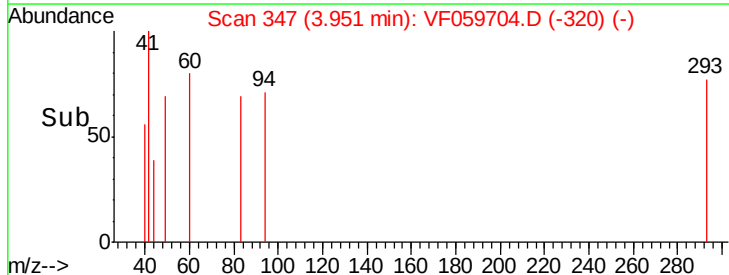
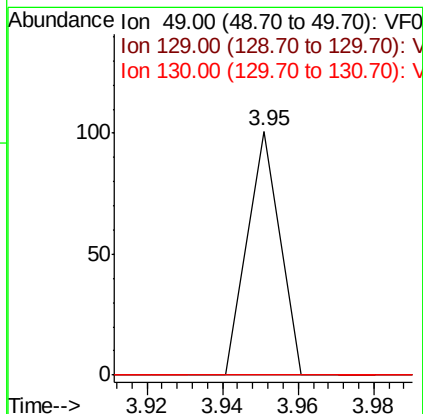
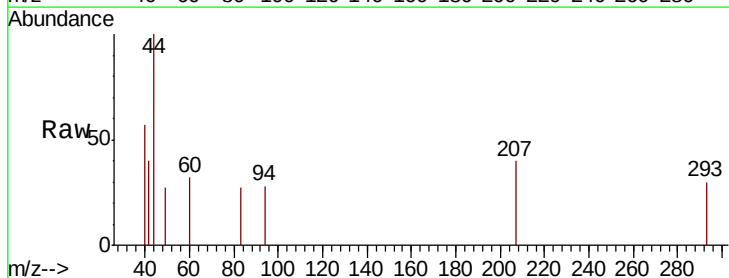
Instrument :
MSVOA_F
ClientSampleId :

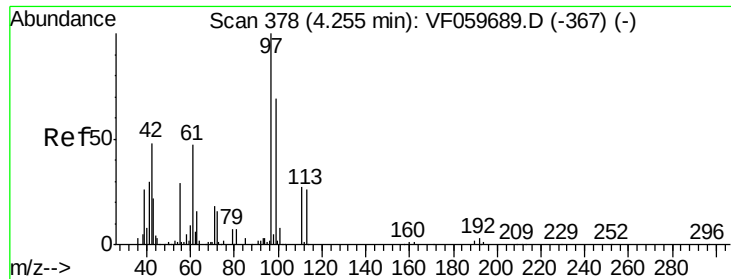
Tot Ion: 43 Resp: 489
Ion Ratio Lower Upper
43 100
72 53.0 7.7 11.5#



#28
Bromochloromethane
Concen: Below Cal
RT: 3.95 min Scan# 347
Delta R.T. 0.07 min
Lab File: VF059704.D
Acq: 31 Jul 2018 12:52

Tgt Ion: 49 Resp: 60
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.8
130 0.0 59.6 89.4#





#29

Tetrahydrofuran

Concen: 1.381 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.01 min

Lab File: VF059704.D

Acq: 31 Jul 2018 12:52

Instrument :

MSVOA_F

ClientSampleId :

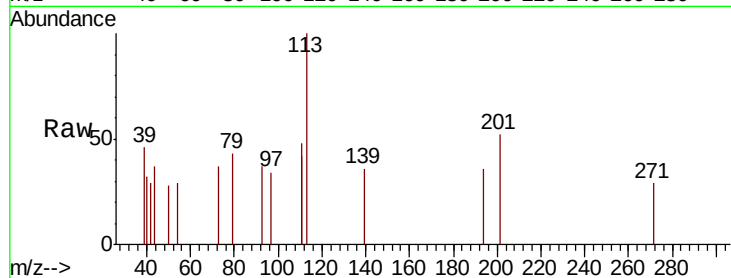
Tot Ion: 42 Resp: 68

Ion Ratio Lower Upper

42 100

72 0.0 27.0 40.6#

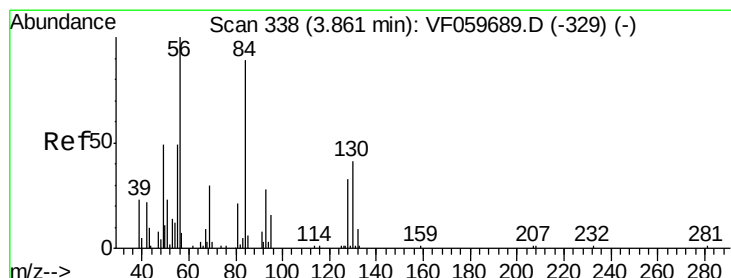
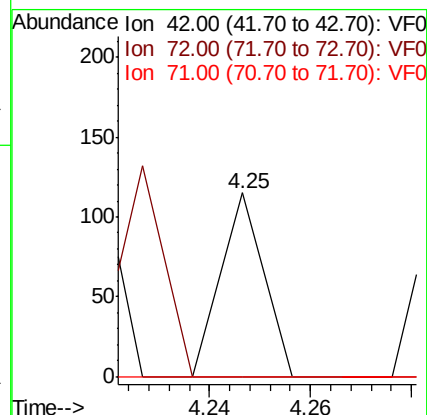
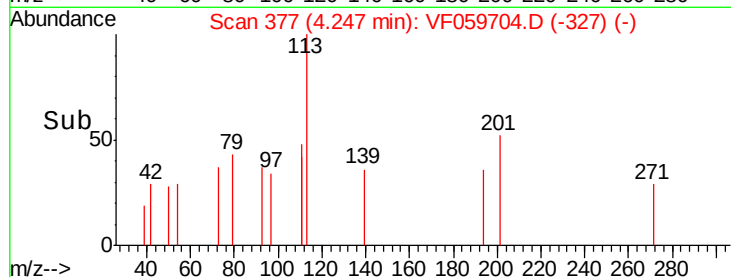
71 0.0 29.7 44.5#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#31

Cyclohexane

Concen: Below Cal

RT: 3.99 min Scan# 351

Delta R.T. 0.13 min

Lab File: VF059704.D

Acq: 31 Jul 2018 12:52

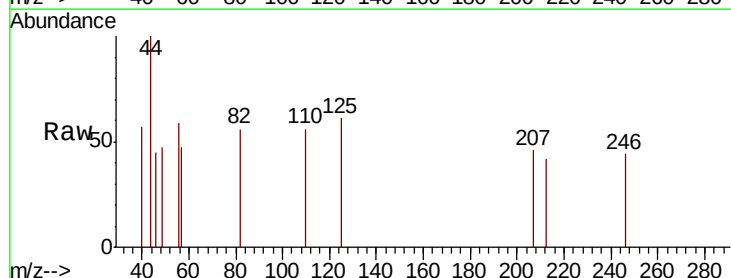
Tgt Ion: 56 Resp: 152

Ion Ratio Lower Upper

56 100

69 0.0 23.7 35.5#

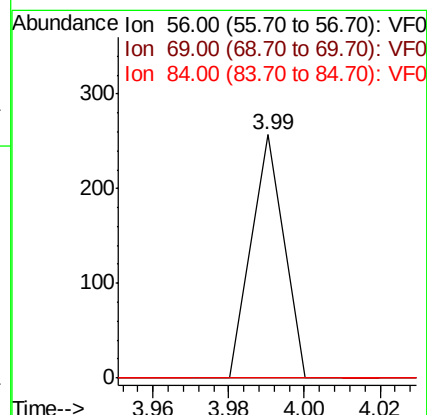
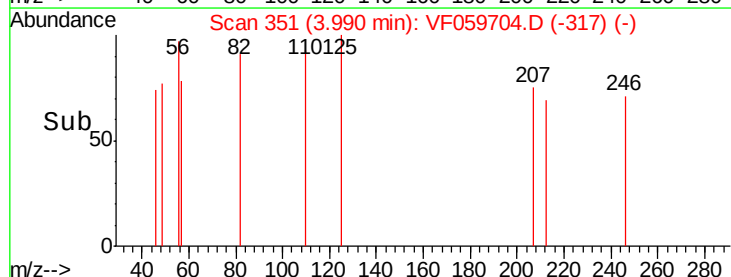
84 0.0 71.1 106.7#

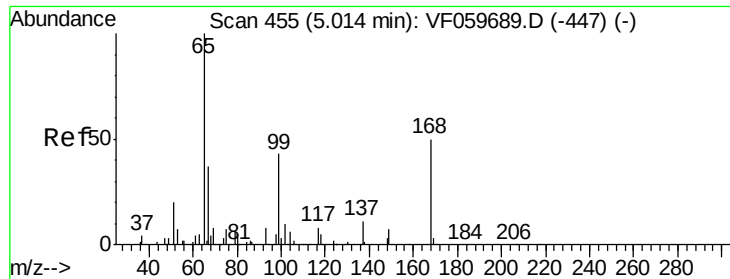


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0

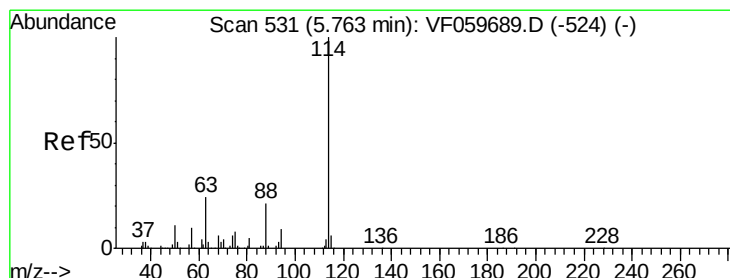
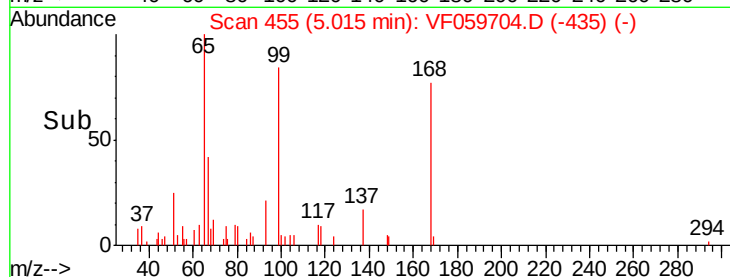
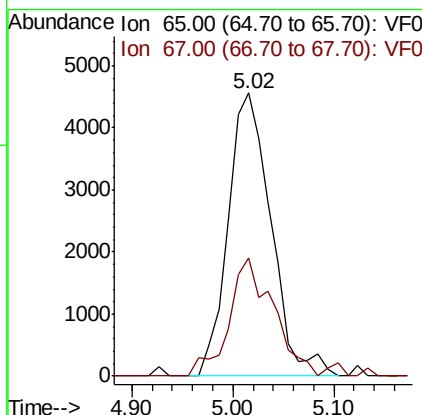
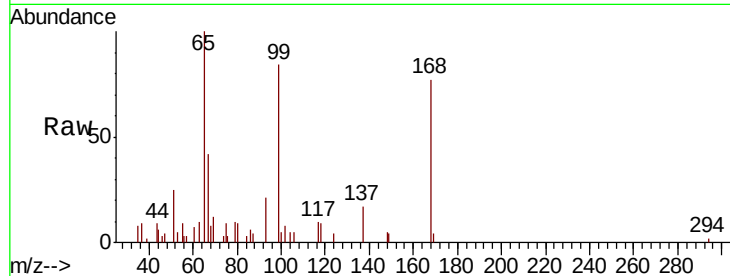




#33
 1,2-Dichloroethane-d4
 Concen: 21.105 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059704.D
 Acq: 31 Jul 2018 12:52

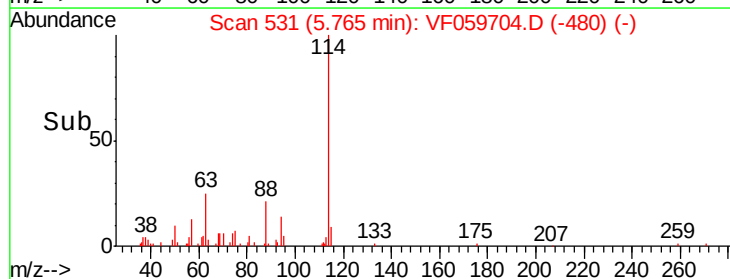
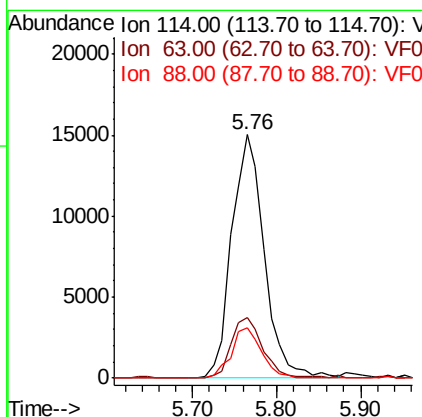
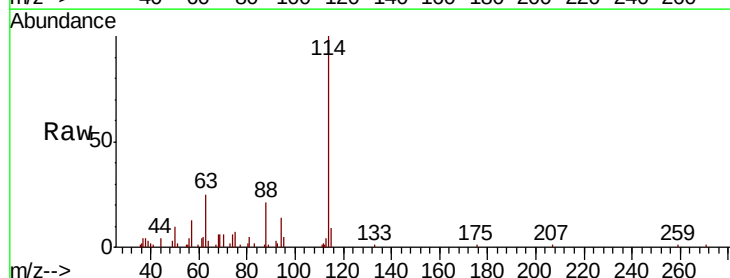
Instrument :
 MSVOA_F
 ClientSampled :

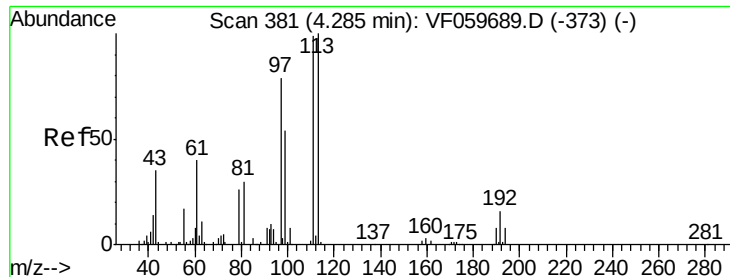
Tot Ion: 65 Resp: 13469
 Ion Ratio Lower Upper
 65 100
 67 41.9 0.0 84.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF059704.D
 Acq: 31 Jul 2018 12:52

Tgt Ion: 114 Resp: 40373
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 47.4
 88 20.5 0.0 41.2

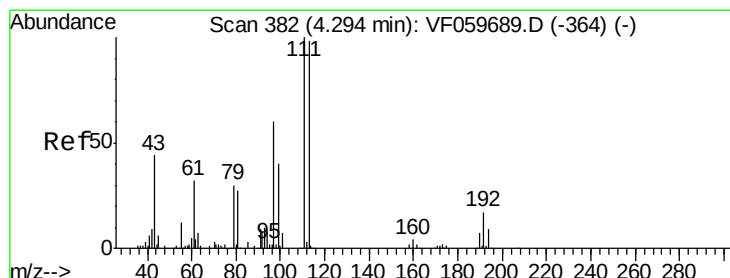
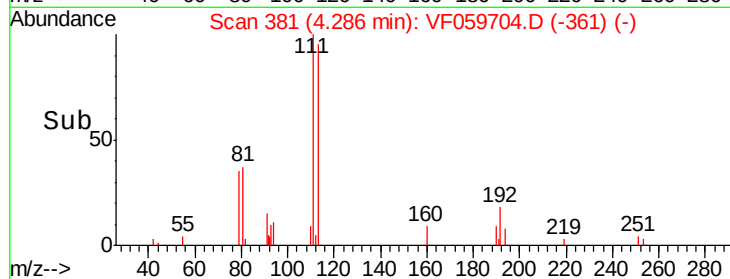
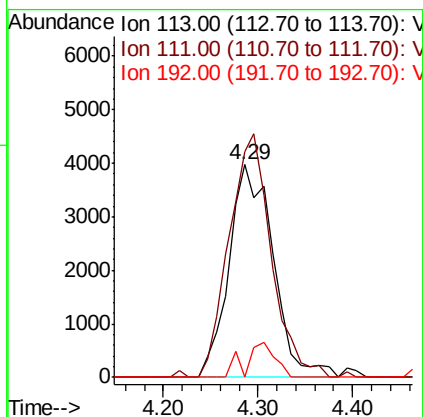
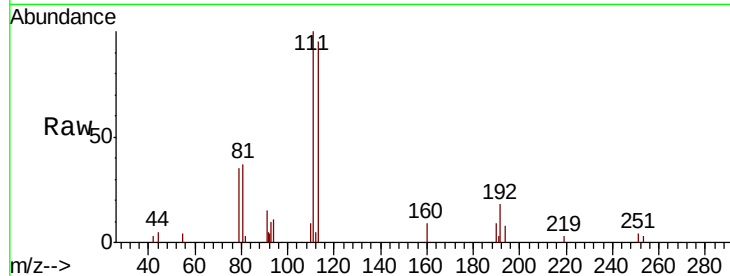




#35
Dibromofluoromethane
Concen: 30.632 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059704.D
Acq: 31 Jul 2018 12:52

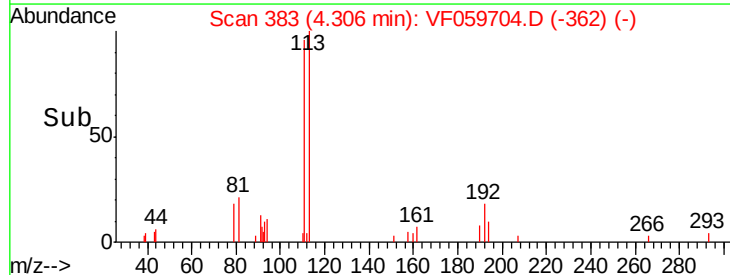
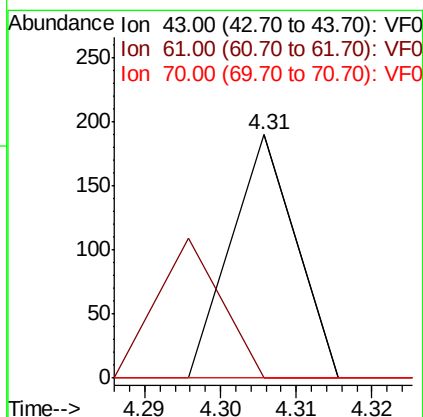
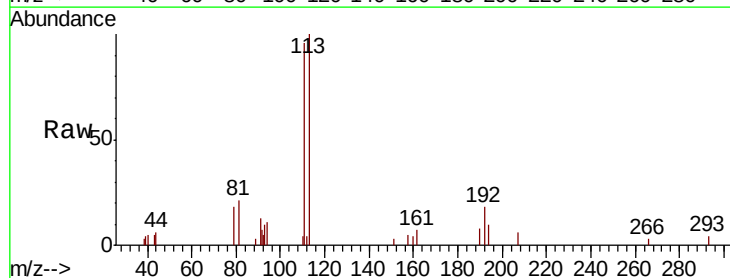
Instrument :
MSVOA_F
ClientSampleId :

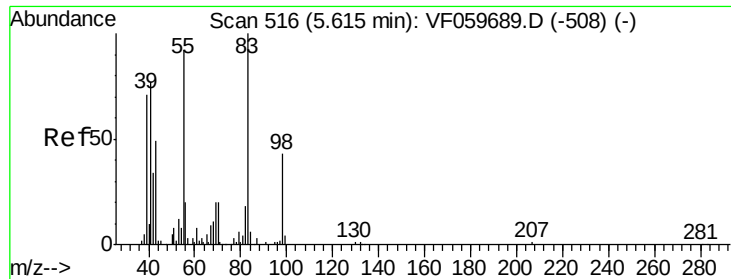
Tot Ion:113 Resp: 12845
Ion Ratio Lower Upper
113 100
111 105.8 79.0 118.4
192 0.0 13.2 19.8#



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF059704.D
Acq: 31 Jul 2018 12:52

Tgt Ion: 43 Resp: 112
Ion Ratio Lower Upper
43 100
61 0.0 58.2 87.2#
70 0.0 6.0 9.0#

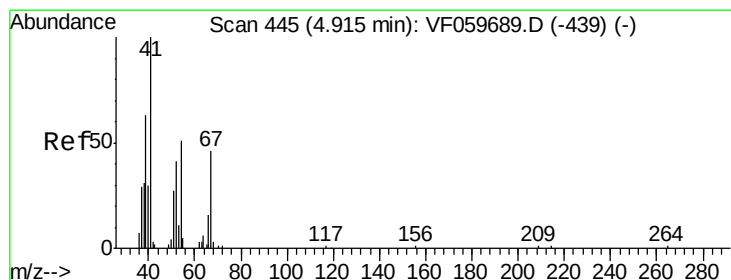
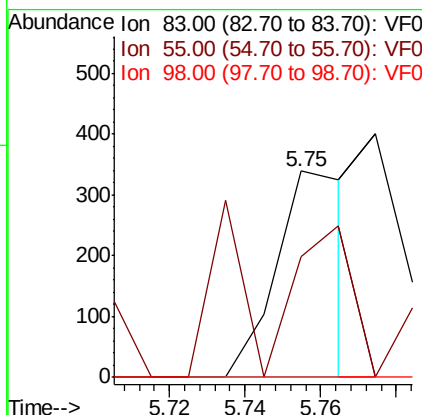
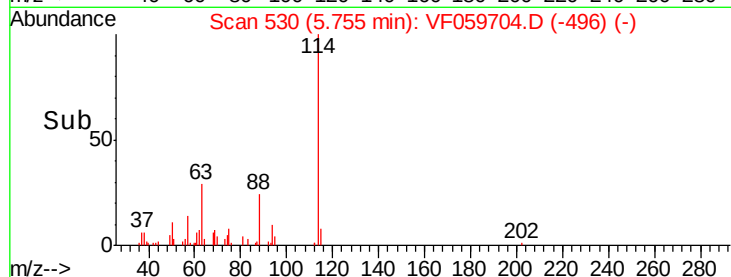
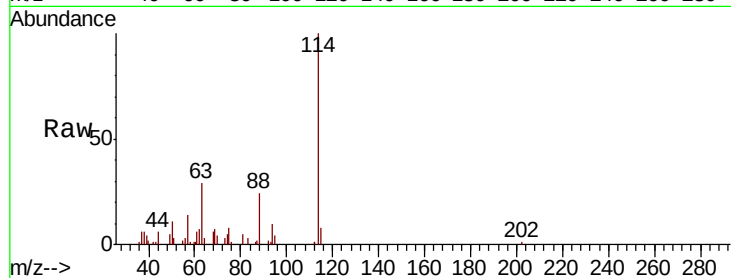




#39
Methylcyclohexane
Concen: Below Cal
RT: 5.75 min Scan# 530
Delta R.T. 0.14 min
Lab File: VF059704.D
Acq: 31 Jul 2018 12:52

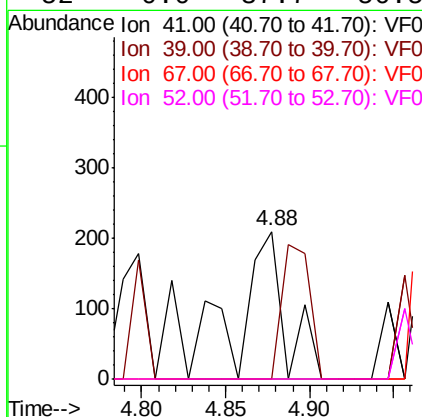
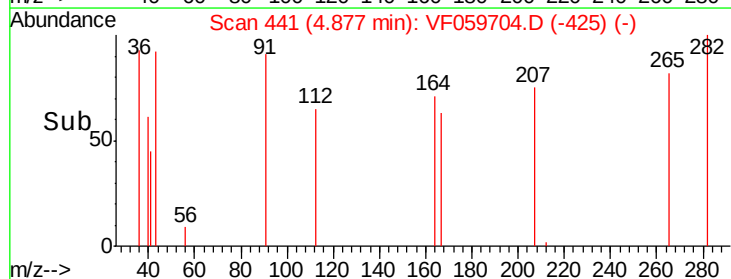
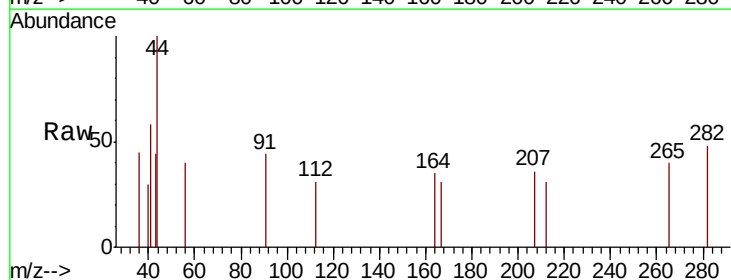
Instrument :
MSVOA_F
ClientSampled :

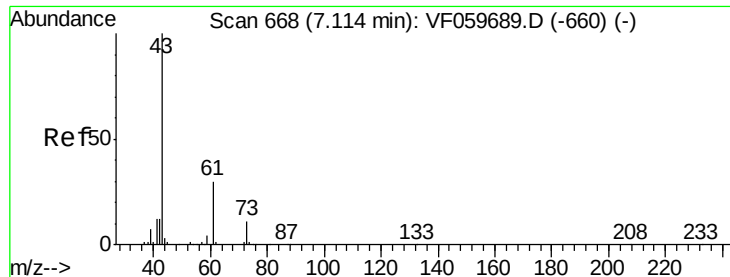
Tot Ion: 83 Resp: 455
Ion Ratio Lower Upper
83 100
55 58.7 73.4 110.2#
98 0.0 34.2 51.4#



#41
Methacrylonitrile
Concen: 1.319 ug/l
RT: 4.88 min Scan# 441
Delta R.T. -0.04 min
Lab File: VF059704.D
Acq: 31 Jul 2018 12:52

Tgt Ion: 41 Resp: 412
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#





#43

Isopropyl Acetate

Concen: 3.248 ug/l

RT: 7.10 min Scan# 666

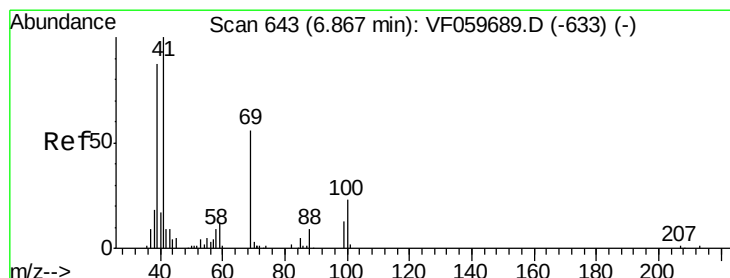
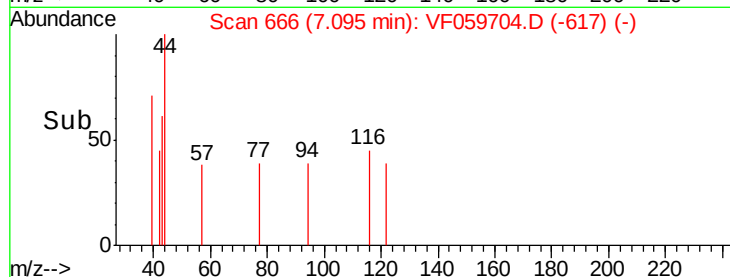
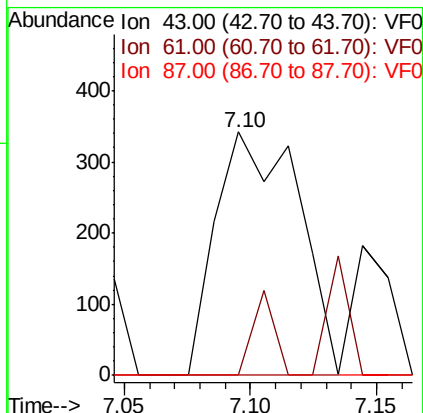
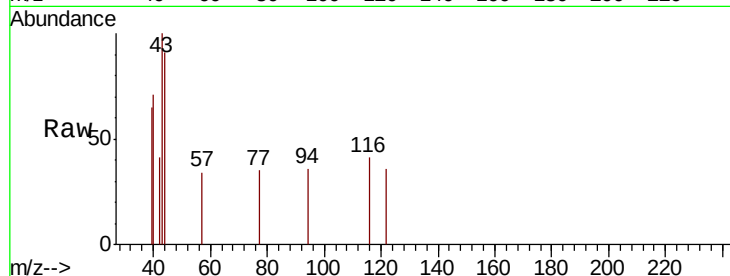
Delta R.T. -0.02 min

Lab File: VF059704.D

Acq: 31 Jul 2018 12:52

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	43	Resp:	784
Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.8	35.8#
87	0.0	0.6	1.0#



#48

Methyl methacrylate

Concen: 1.724 ug/l

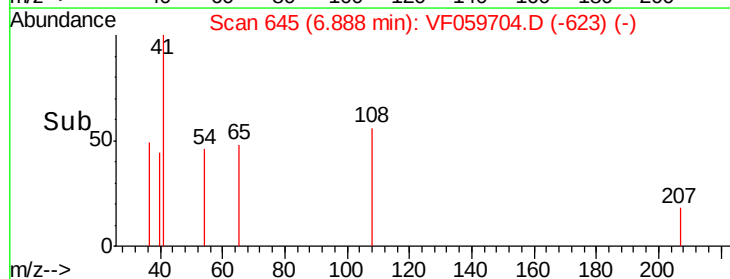
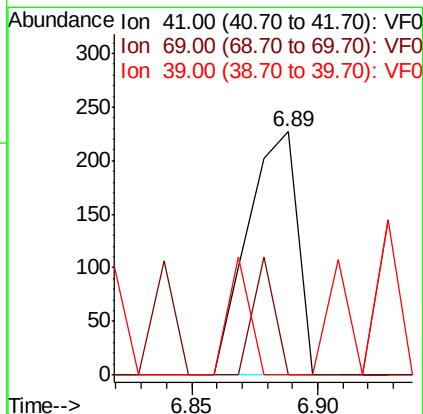
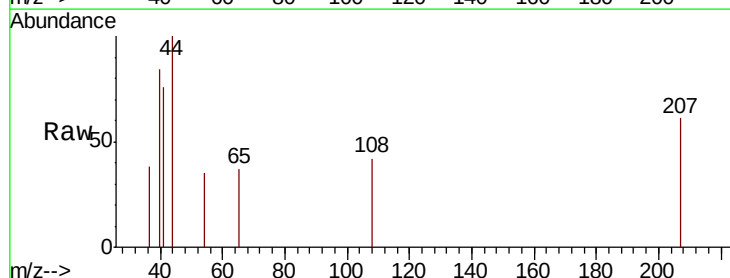
RT: 6.89 min Scan# 645

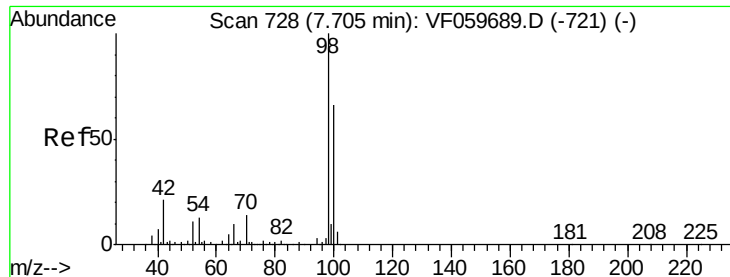
Delta R.T. 0.02 min

Lab File: VF059704.D

Acq: 31 Jul 2018 12:52

Tgt Ion:	41	Resp:	313
Ion	Ratio	Lower	Upper
41	100		
69	0.0	44.4	66.6#
39	0.0	69.4	104.2#





#50

Toluene-d8

Concen: 41.449 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF059704.D

Acq: 31 Jul 2018 12:52

Instrument :

MSVOA_F

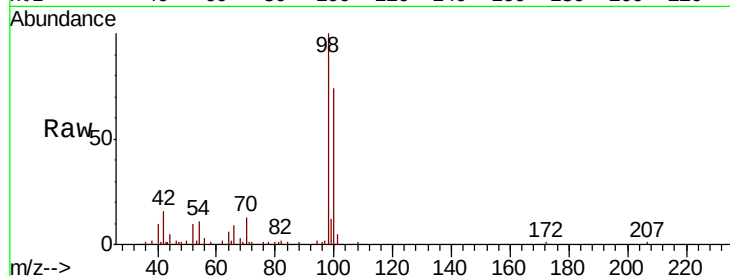
ClientSampleId :

Tot Ion: 98 Resp: 40532

Ion Ratio Lower Upper

98 100

100 74.3 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.71

15000

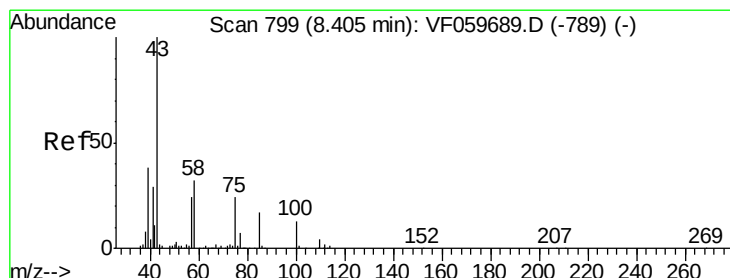
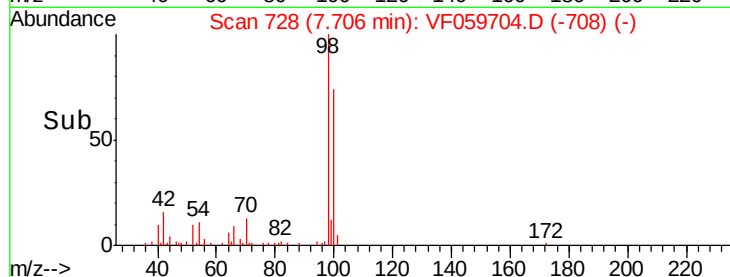
10000

5000

0

Time-->

7.60 7.70 7.80



#51

4-Methyl-2-Pentanone

Concen: 12.475 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059704.D

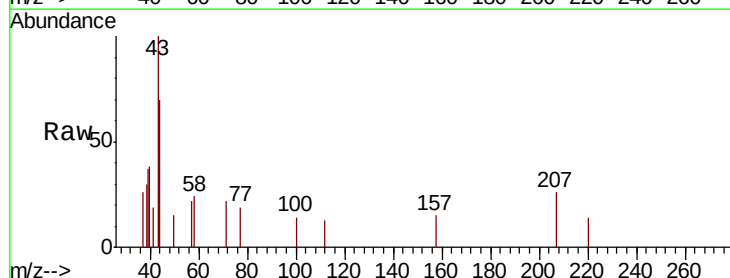
Acq: 31 Jul 2018 12:52

Tgt Ion: 43 Resp: 2291

Ion Ratio Lower Upper

43 100

58 24.1 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

800

600

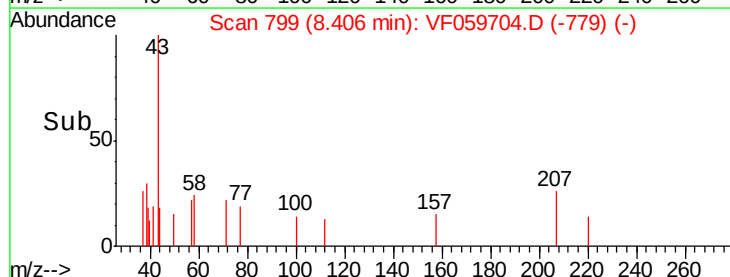
400

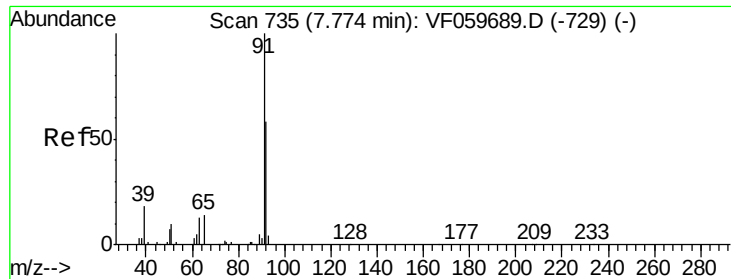
200

0

Time-->

8.30 8.40 8.50





#52

Toluene

Concen: Below Cal

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059704.D

Acq: 31 Jul 2018 12:52

Instrument :

MSVOA_F

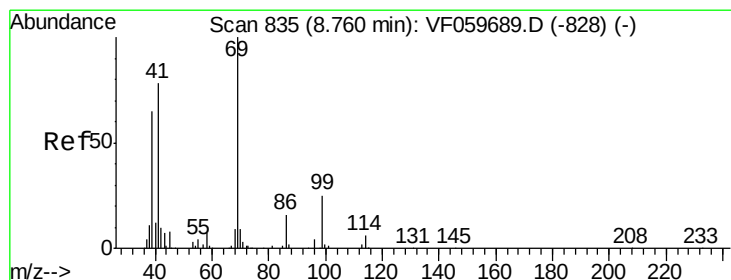
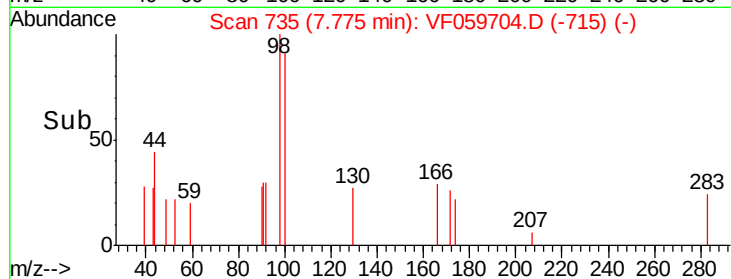
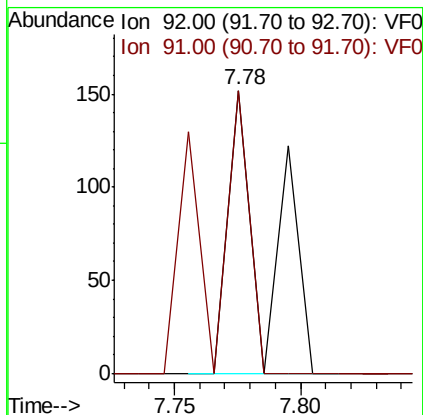
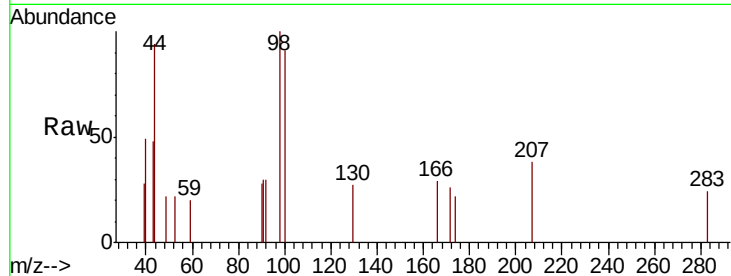
ClientSampleId :

Tot Ion: 92 Resp: 162

Ion Ratio Lower Upper

92 100

91 100.0 139.0 208.4#



#56

Ethyl methacrylate

Concen: 1.459 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF059704.D

Acq: 31 Jul 2018 12:52

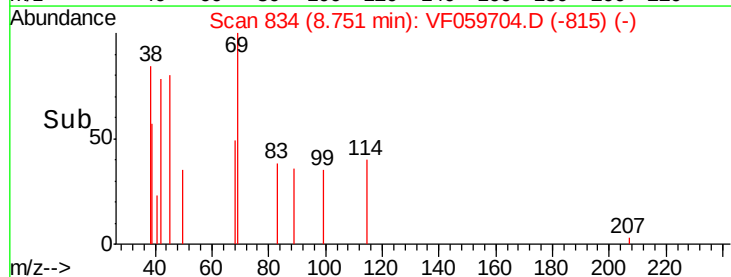
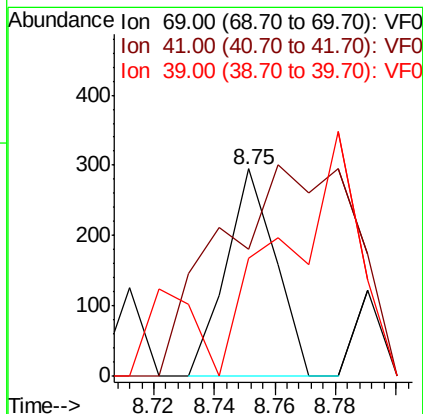
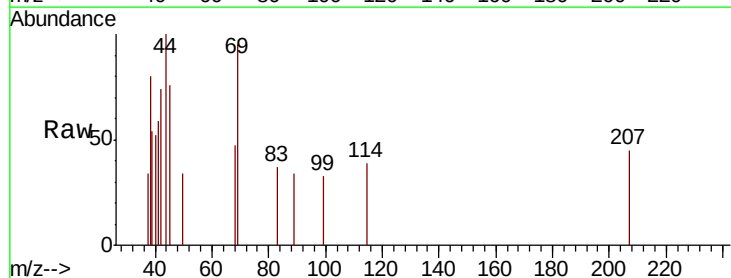
Tgt Ion: 69 Resp: 336

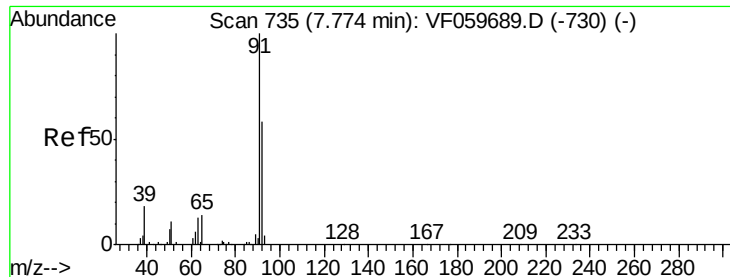
Ion Ratio Lower Upper

69 100

41 61.4 62.3 93.5#

39 56.9 52.4 78.6

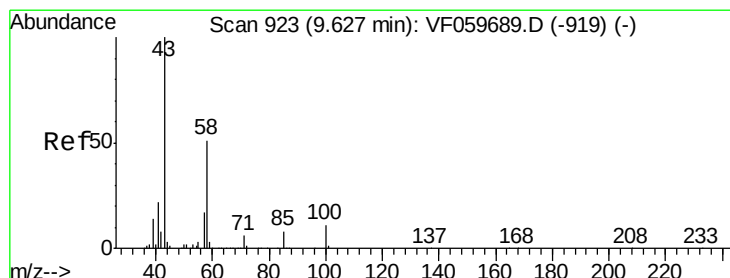
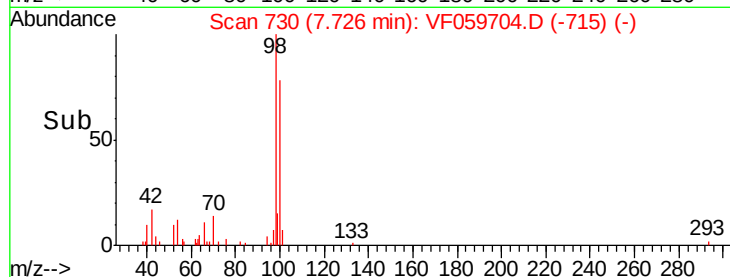
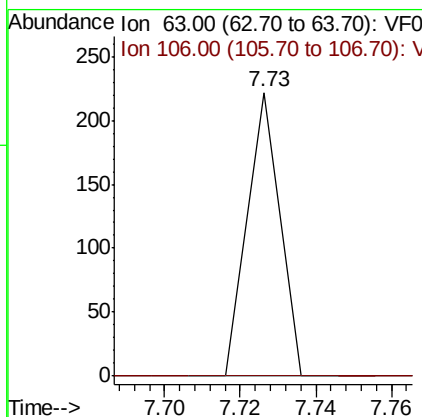
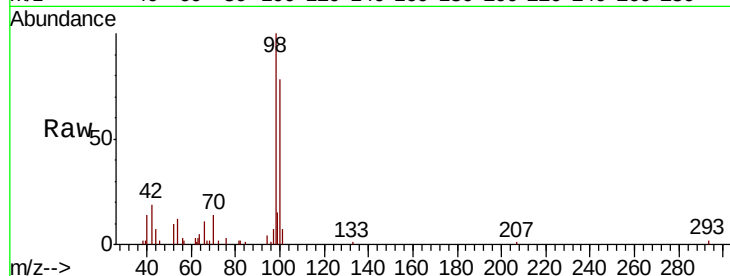




#58
 2-Chloroethyl Vinyl ether
 Concen: 4.927 ug/l
 RT: 7.73 min Scan# 730
 Delta R.T. -0.05 min
 Lab File: VF059704.D
 Acq: 31 Jul 2018 12:52

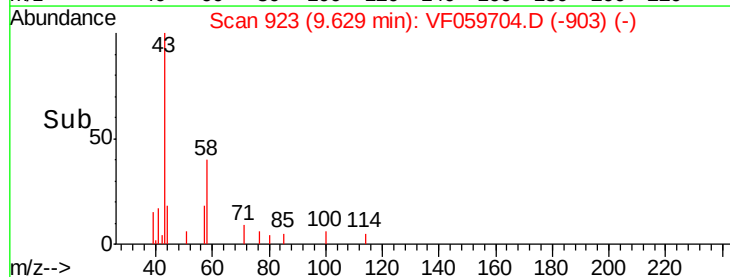
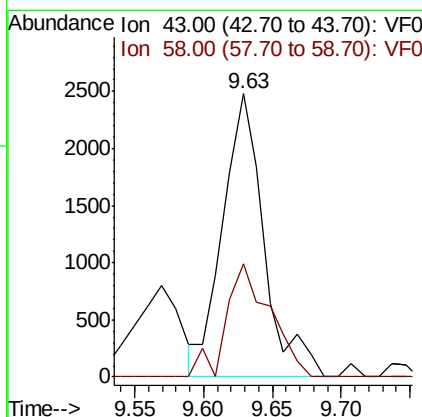
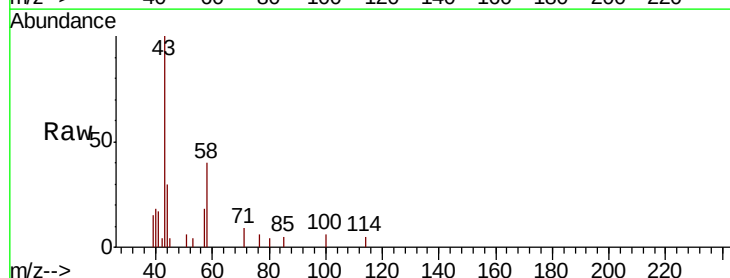
Instrument :
 MSVOA_F
 ClientSampleId :

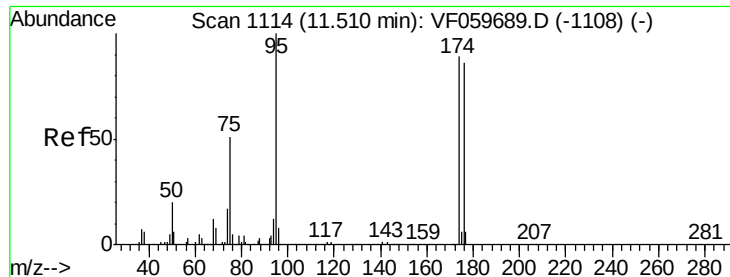
Tot Ion: 63 Resp: 131
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#59
 2-Hexanone
 Concen: 35.077 ug/l
 RT: 9.63 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VF059704.D
 Acq: 31 Jul 2018 12:52

Tgt Ion: 43 Resp: 5162
 Ion Ratio Lower Upper
 43 100
 58 39.9 23.3 69.8





#62

4-Bromofluorobenzene

Concen: 23.899 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059704.D

Acq: 31 Jul 2018 12:52

Instrument :

MSVOA_F

ClientSampleId :

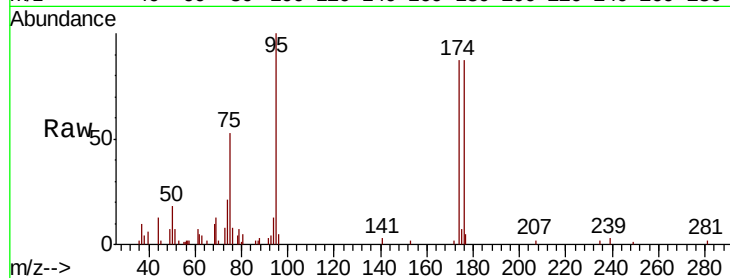
Tot Ion: 95 Resp: 12938

Ion Ratio Lower Upper

95 100

174 86.7 0.0 178.4

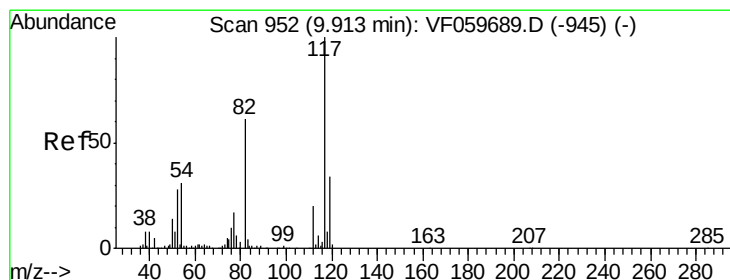
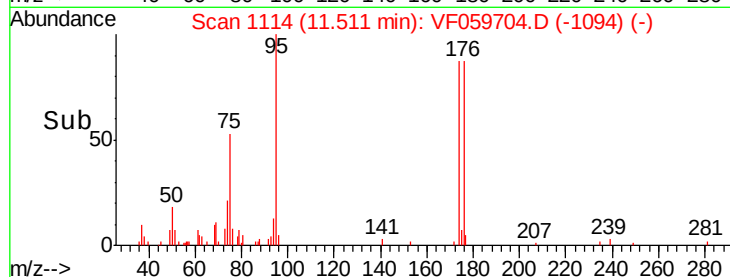
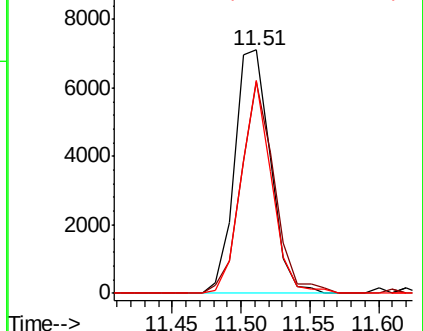
176 87.5 0.0 173.0



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: 9.91 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF059704.D

Acq: 31 Jul 2018 12:52

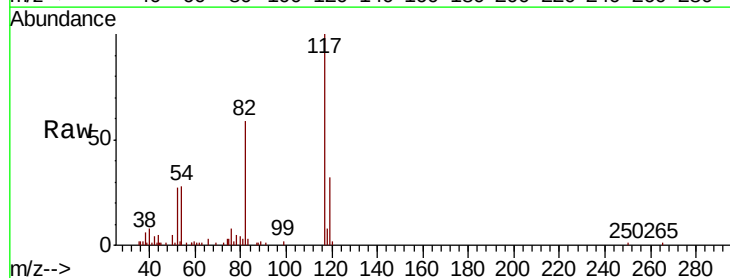
Tgt Ion: 117 Resp: 30829

Ion Ratio Lower Upper

117 100

82 59.4 49.0 73.4

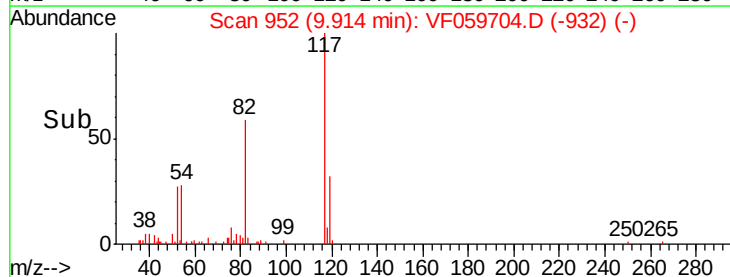
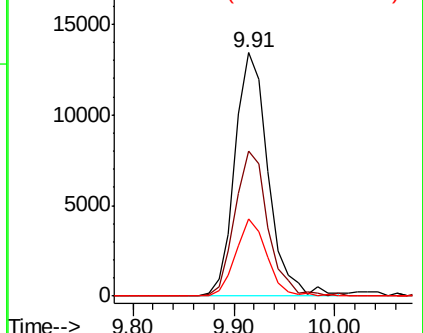
119 31.9 27.3 40.9

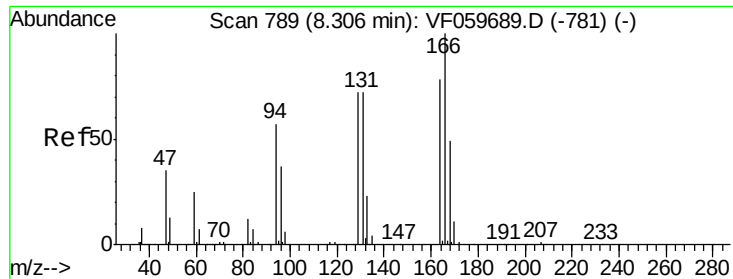


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

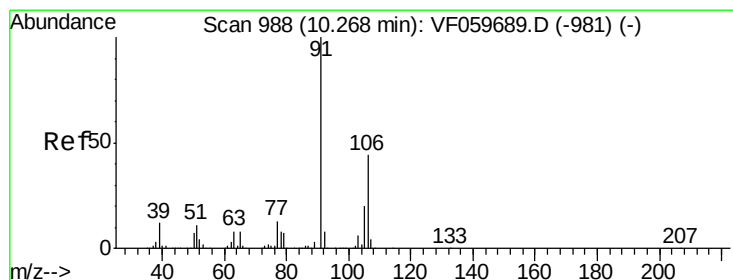
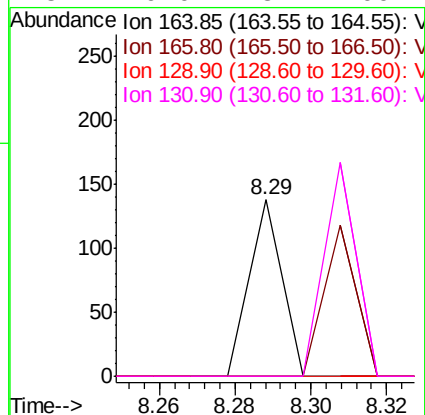
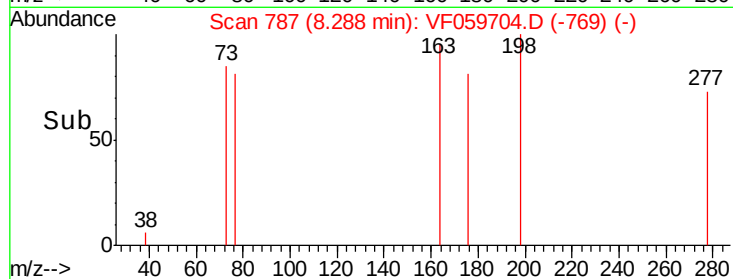
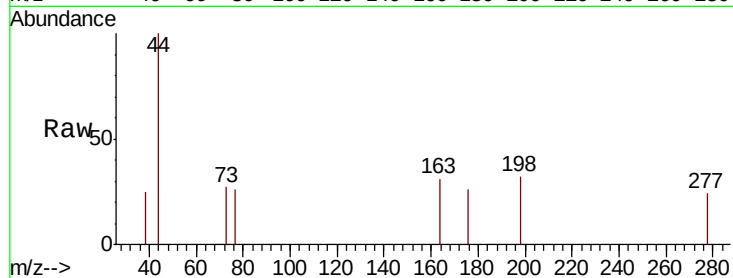




#64
Tetrachloroethene
Concen: Below Cal
RT: 8.29 min Scan# 787
Delta R.T. -0.02 min
Lab File: VF059704.D
Acq: 31 Jul 2018 12:52

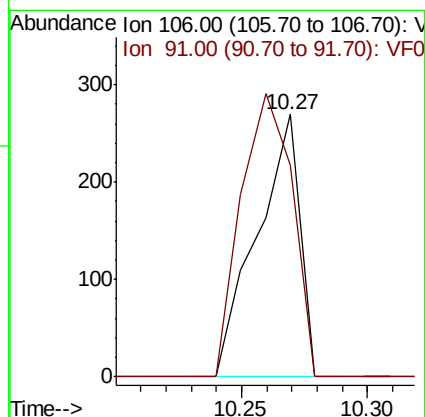
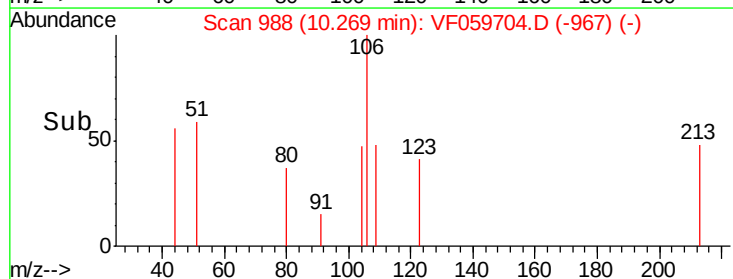
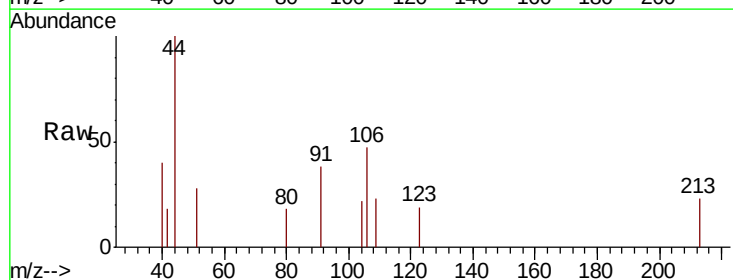
Instrument :
MSVOA_F
ClientSampleId :

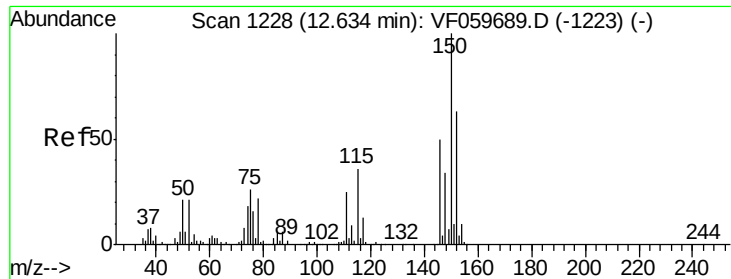
Tot Ion	Ratio	Lower	Upper
164	100		
166	0.0	102.1	153.1#
129	0.0	73.8	110.6#
131	0.0	73.1	109.7#



#68
m/p-Xylenes
Concen: Below Cal
RT: 10.27 min Scan# 988
Delta R.T. 0.00 min
Lab File: VF059704.D
Acq: 31 Jul 2018 12:52

Tgt Ion	Ratio	Lower	Upper
106	100		
91	80.4	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: VF059704.D

Acq: 31 Jul 2018 12:52

Instrument :

MSVOA_F

ClientSampleId :

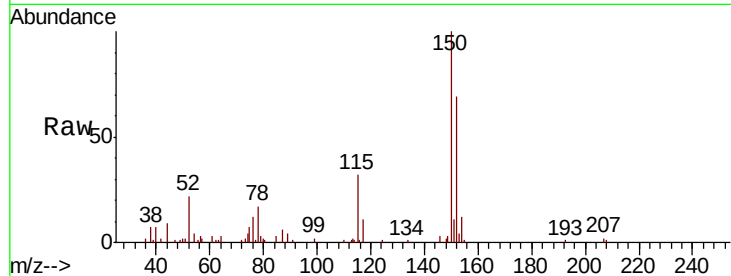
Tot Ion:152 Resp: 11885

Ion Ratio Lower Upper

152 100

115 45.5 28.2 84.6

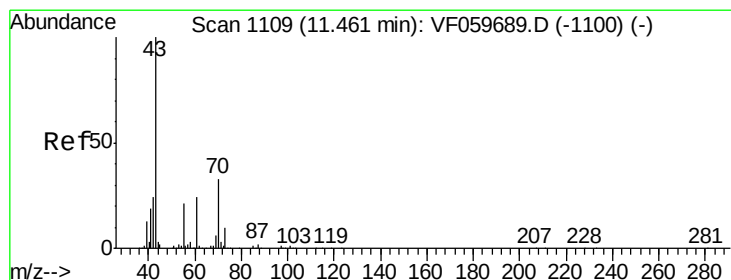
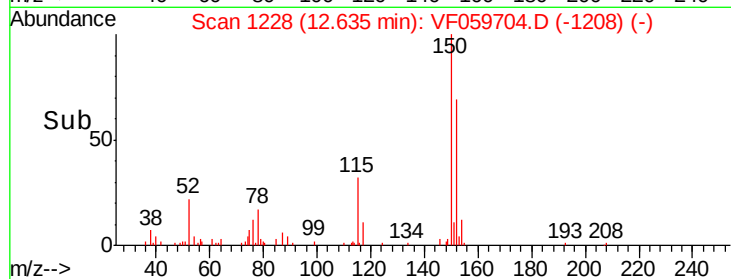
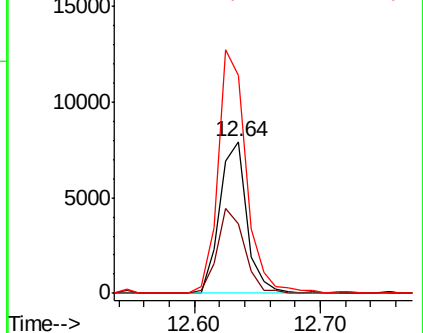
150 144.0 0.0 316.2



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-amyl acetate

Concen: 10.592 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059704.D

Acq: 31 Jul 2018 12:52

Tgt Ion: 43 Resp: 2084

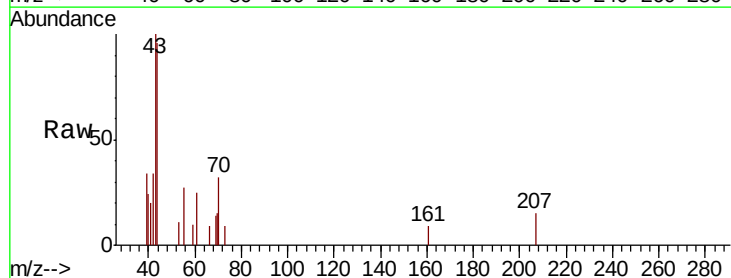
Ion Ratio Lower Upper

43 100

70 32.1 26.3 39.5

55 27.3 16.6 25.0#

61 25.0 19.1 28.7

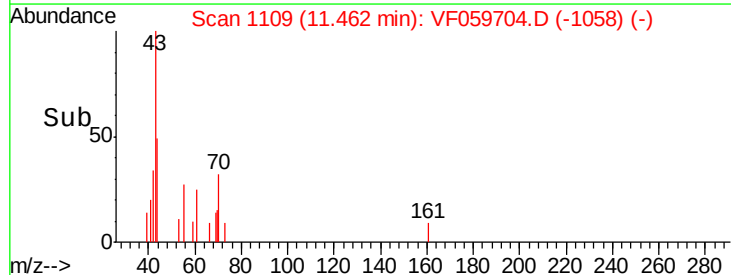
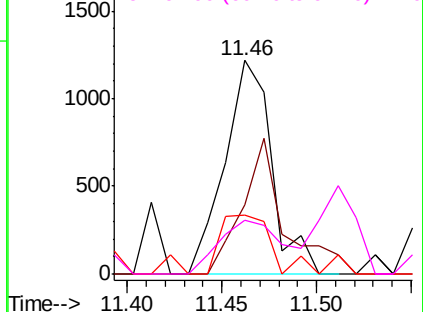


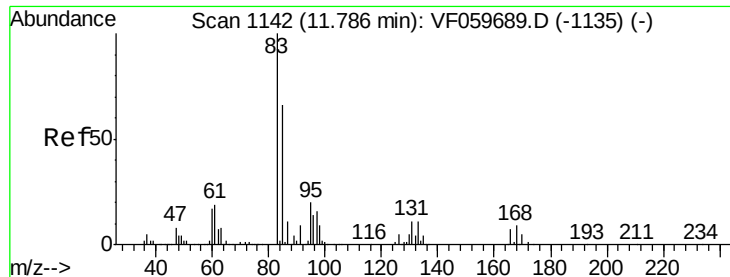
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 1.533 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF059704.D

Acq: 31 Jul 2018 12:52

Instrument :

MSVOA_F

ClientSampled :

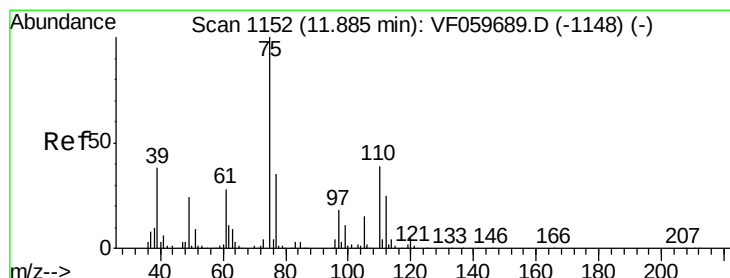
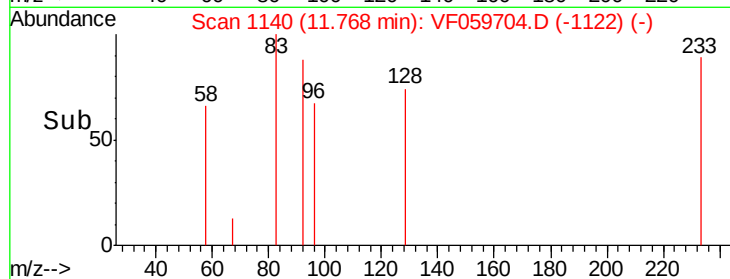
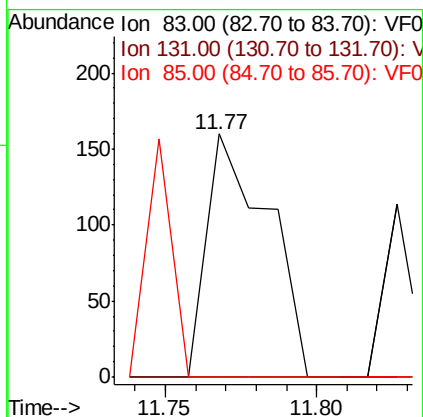
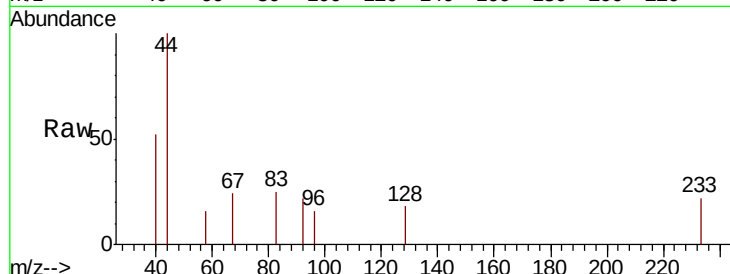
Tot Ion: 83 Resp: 225

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.3#

85 0.0 32.8 98.3#



#76

1,2,3-Trichloropropane

Concen: 1.730 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059704.D

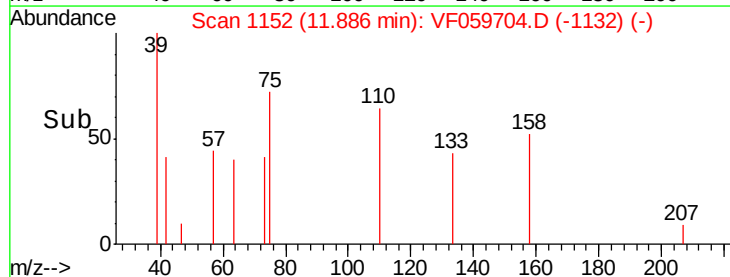
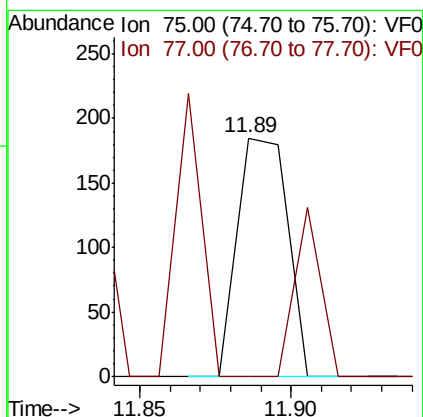
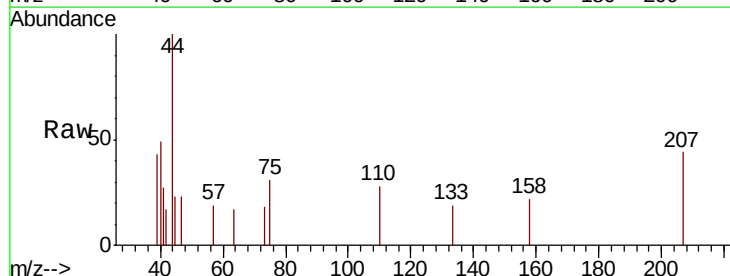
Acq: 31 Jul 2018 12:52

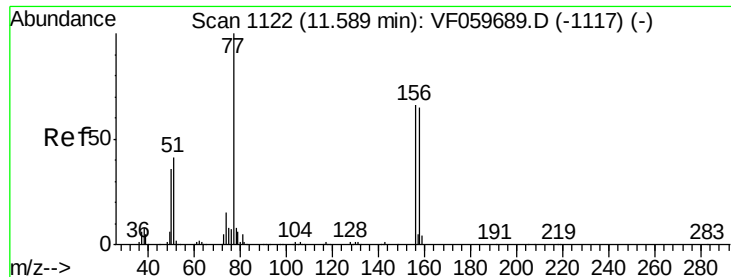
Tgt Ion: 75 Resp: 216

Ion Ratio Lower Upper

75 100

77 0.0 18.0 54.0#





#77

Bromobenzene

Concen: 1.012 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF059704.D

Acq: 31 Jul 2018 12:52

Instrument :

MSVOA_F

ClientSampleId :

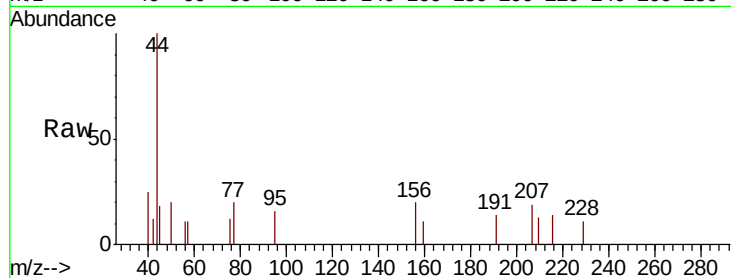
Tot Ion:156 Resp: 206

Ion Ratio Lower Upper

156 100

77 100.5 75.2 225.6

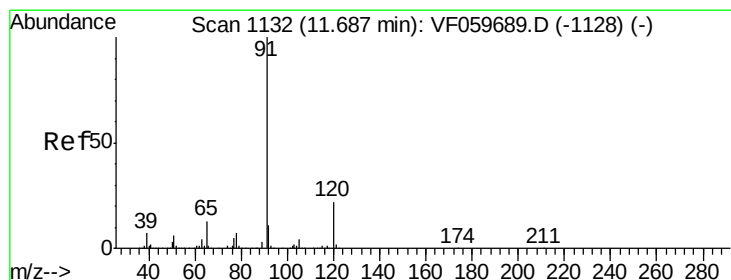
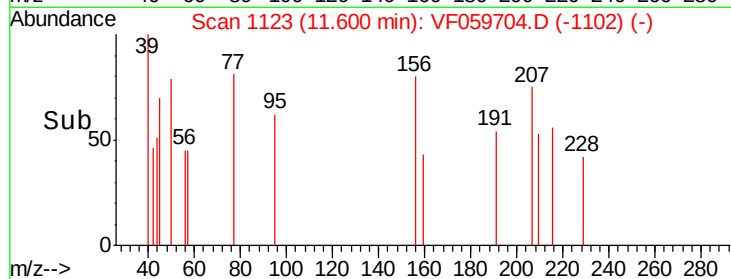
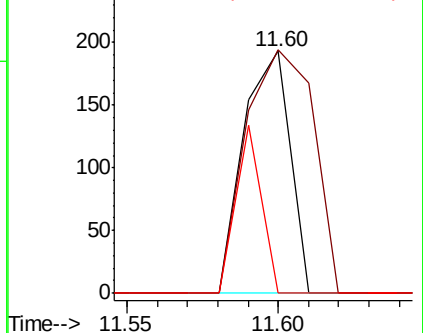
158 0.0 49.1 147.3#



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: Below Cal

RT: 11.70 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VF059704.D

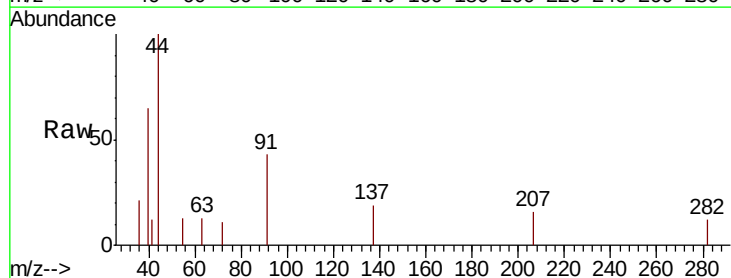
Acq: 31 Jul 2018 12:52

Tgt Ion: 91 Resp: 797

Ion Ratio Lower Upper

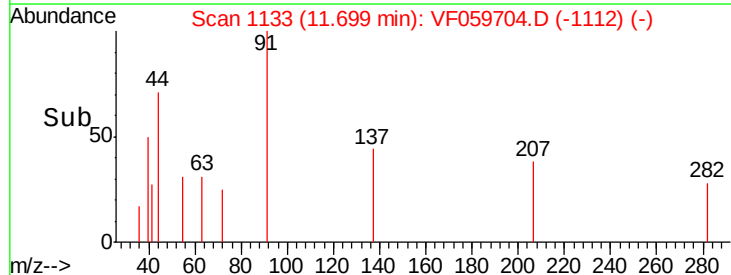
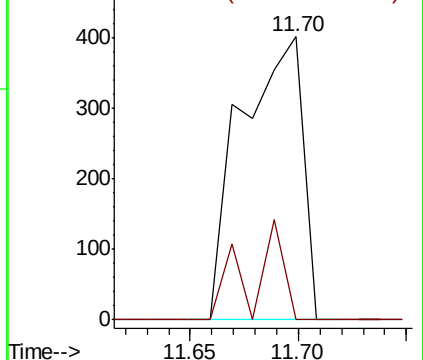
91 100

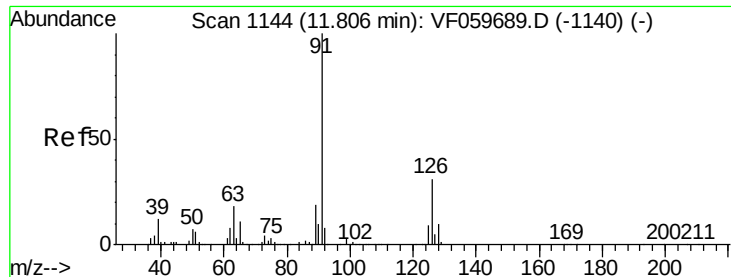
120 0.0 11.0 33.0#



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: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059704.D

Acq: 31 Jul 2018 12:52

Instrument :

MSVOA_F

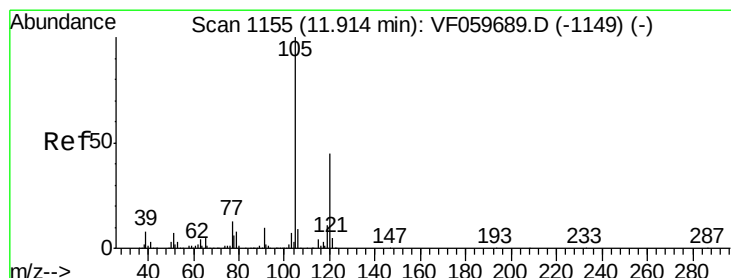
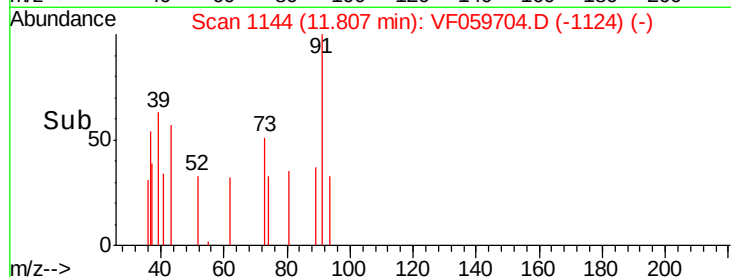
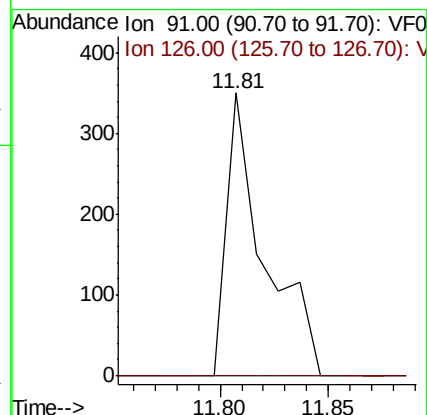
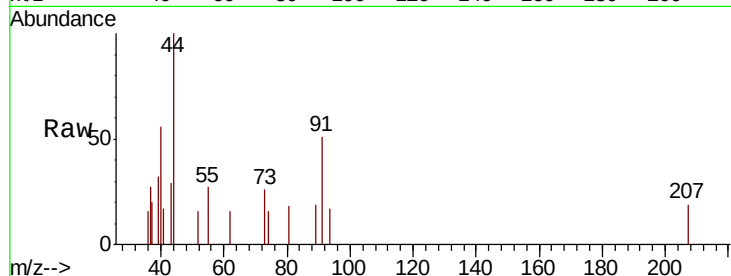
ClientSampleId :

Tot Ion: 91 Resp: 426

Ion Ratio Lower Upper

91 100

126 0.0 15.4 46.2#



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059704.D

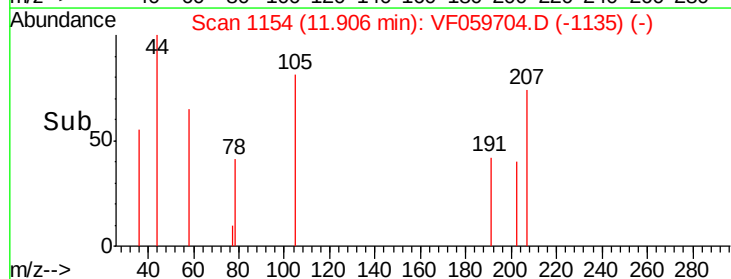
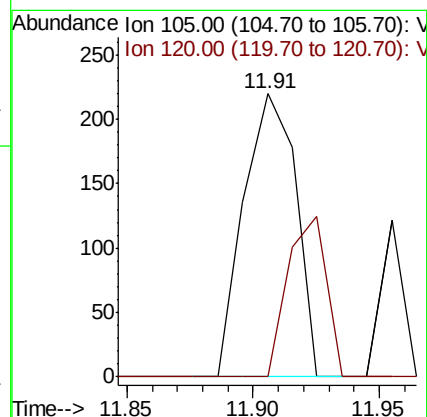
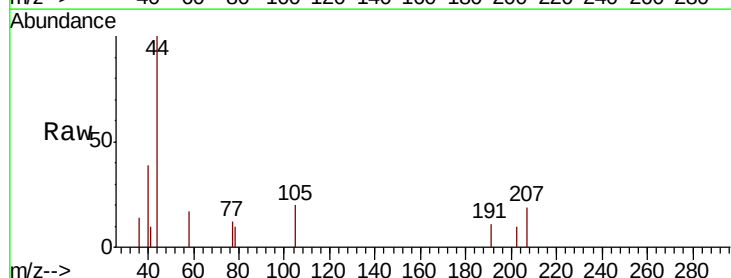
Acq: 31 Jul 2018 12:52

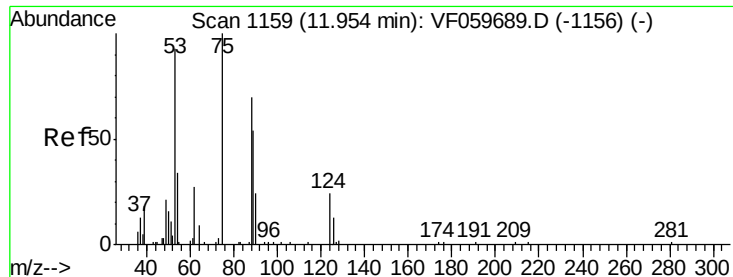
Tgt Ion: 105 Resp: 316

Ion Ratio Lower Upper

105 100

120 0.0 22.7 68.0#

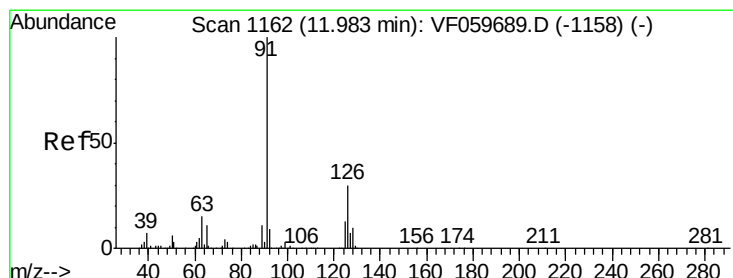
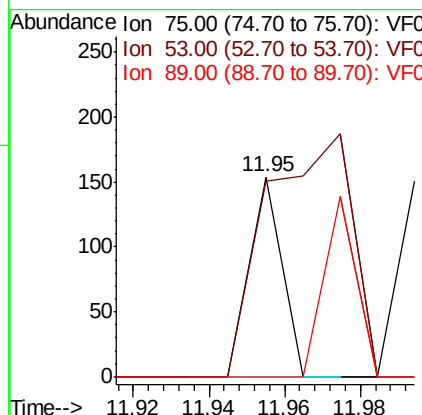
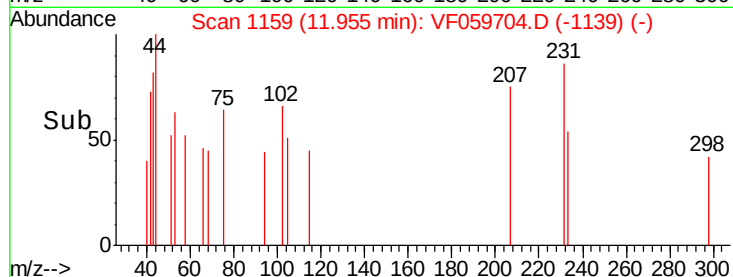
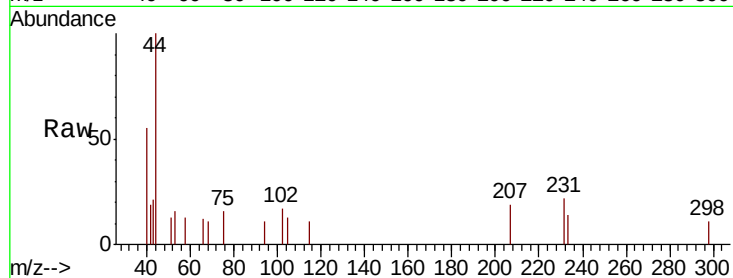




#81
trans-1,4-Dichloro-2-butene
Concen: 1.760 ug/l
RT: 11.95 min Scan# 1159
Delta R.T. 0.00 min
Lab File: VF059704.D
Acq: 31 Jul 2018 12:52

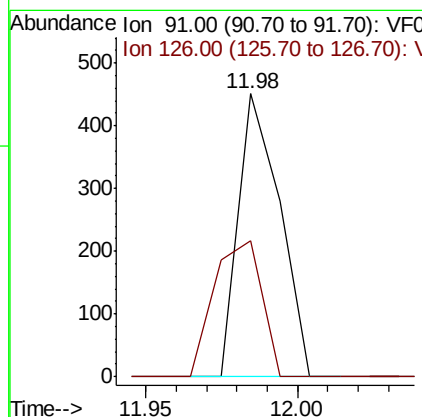
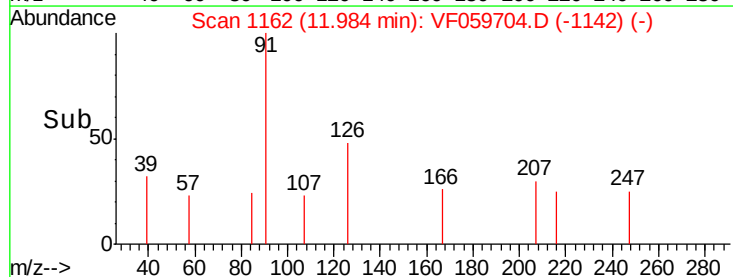
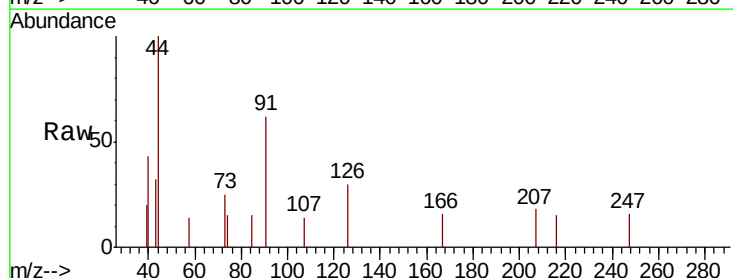
Instrument :
MSVOA_F
ClientSampleId :

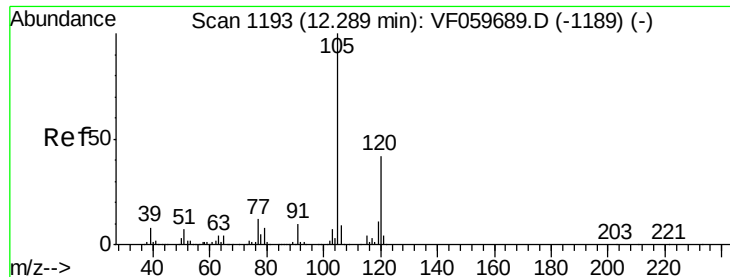
Tot Ion: 75 Resp: 91
Ion Ratio Lower Upper
75 100
53 98.1 78.3 117.5
89 0.0 45.4 68.2#



#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.98 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VF059704.D
Acq: 31 Jul 2018 12:52

Tgt Ion: 91 Resp: 432
Ion Ratio Lower Upper
91 100
126 47.9 15.2 45.6#

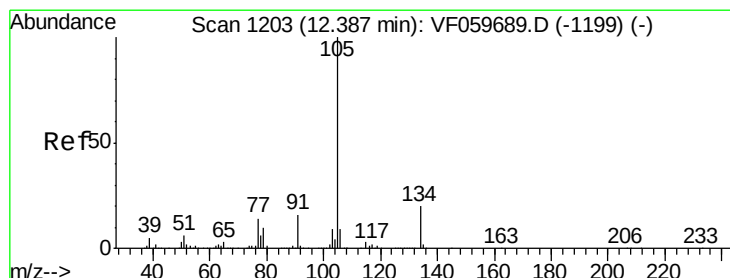
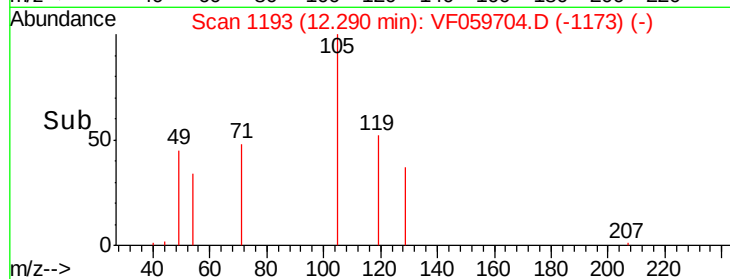
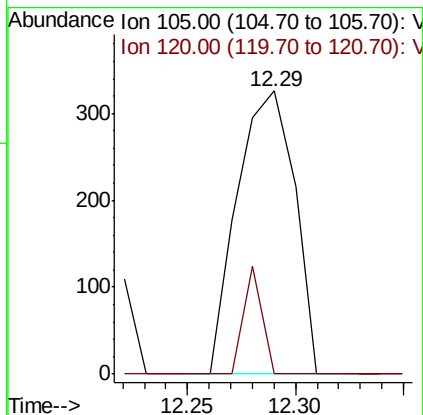
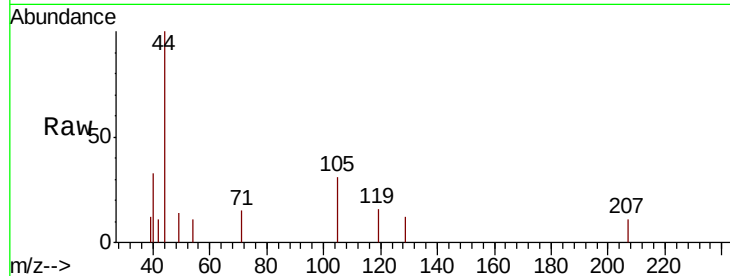




#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059704.D
 Acq: 31 Jul 2018 12:52

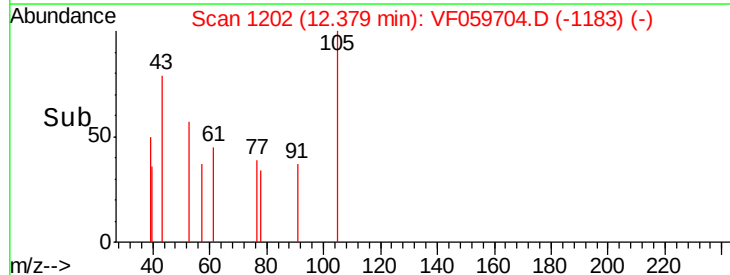
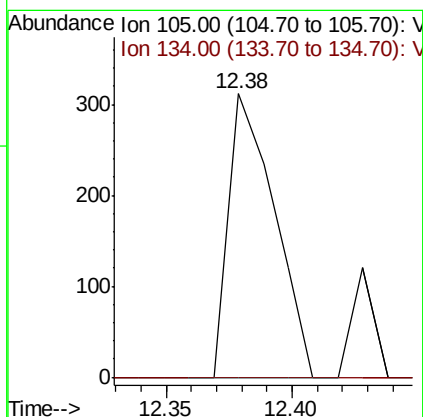
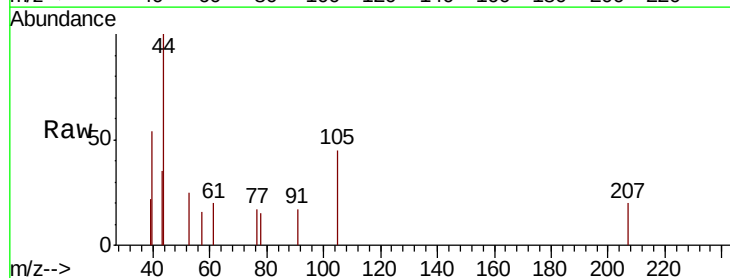
Instrument :
 MSVOA_F
 ClientSampleId :

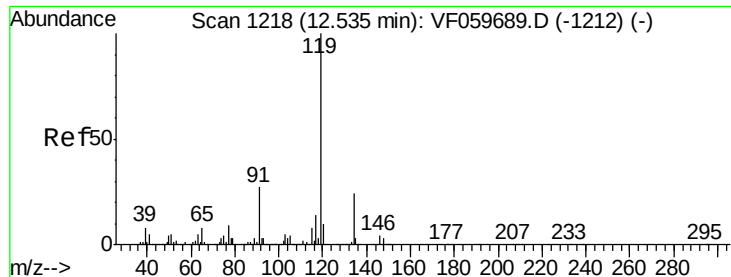
Tot Ion:105 Resp: 600
 Ion Ratio Lower Upper
 105 100
 120 0.0 21.1 63.3#



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF059704.D
 Acq: 31 Jul 2018 12:52

Tgt Ion:105 Resp: 395
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#

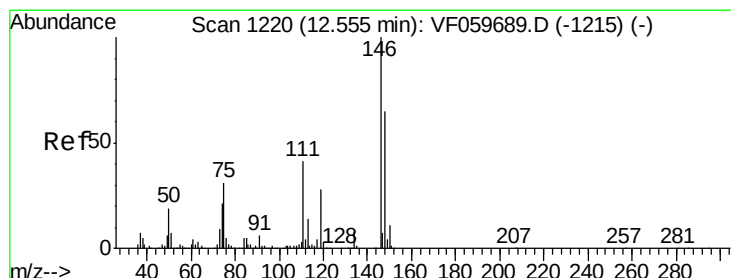
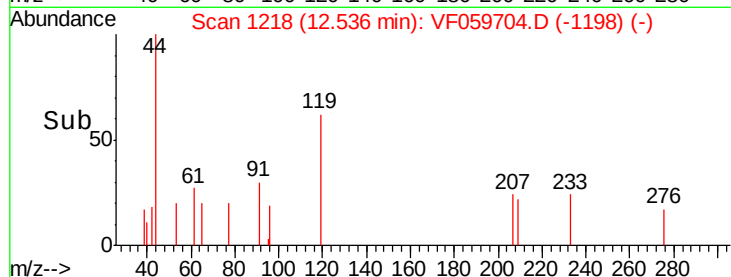
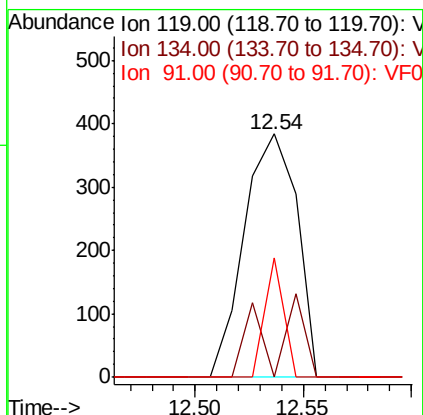
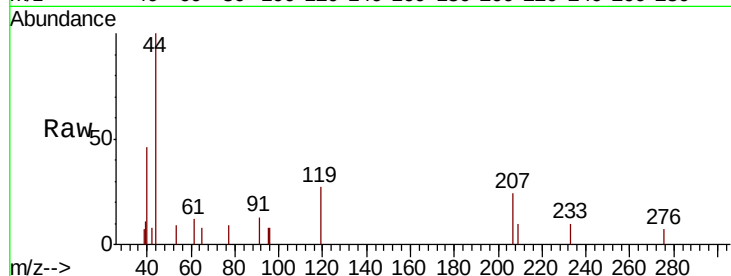




#86
p-Isopropyltoluene
Concen: Below Cal
RT: 12.54 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VF059704.D
Acq: 31 Jul 2018 12:52

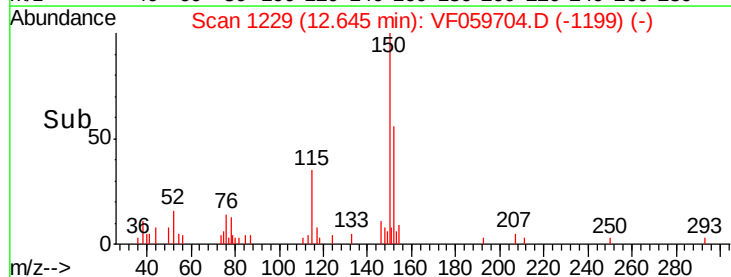
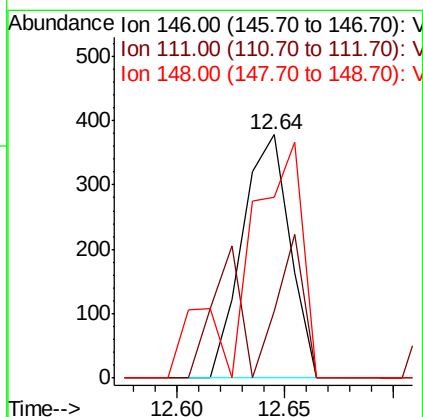
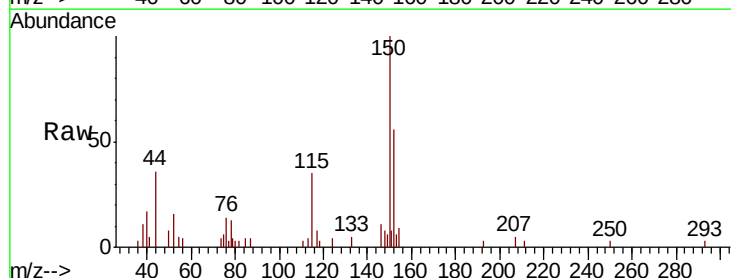
Instrument :
MSVOA_F
ClientSampled :

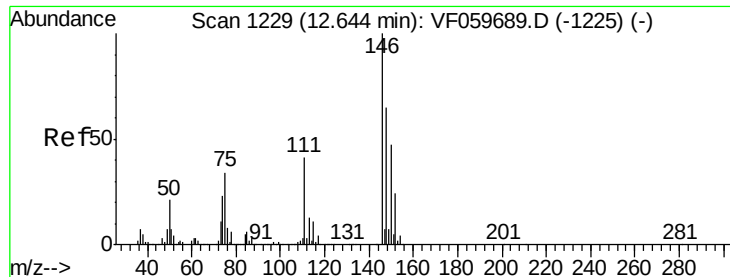
Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.2	36.6#
91	49.2	13.4	40.2#



#87
1,3-Dichlorobenzene
Concen: Below Cal
RT: 12.64 min Scan# 1229
Delta R.T. 0.09 min
Lab File: VF059704.D
Acq: 31 Jul 2018 12:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	27.5	20.7	62.1
148	74.1	32.3	96.8





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.64 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VF059704.D

Acq: 31 Jul 2018 12:52

Instrument :

MSVOA_F

ClientSampled :

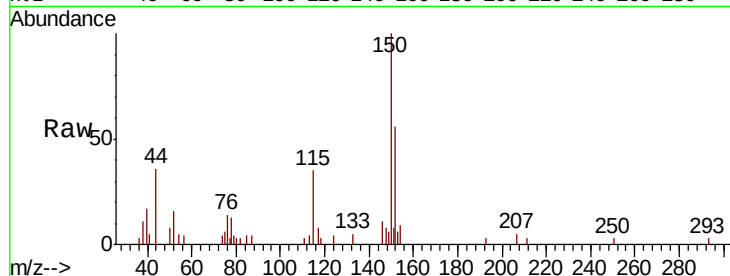
Tot Ion:146 Resp: 583

Ion Ratio Lower Upper

146 100

111 27.5 20.8 62.2

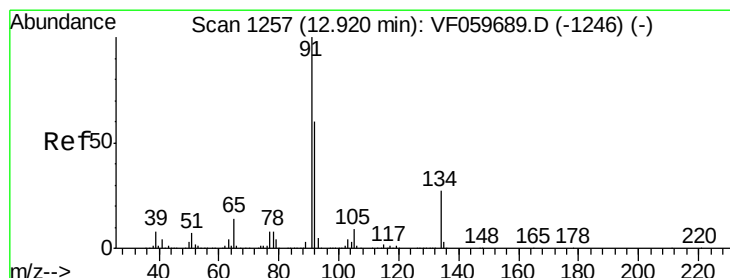
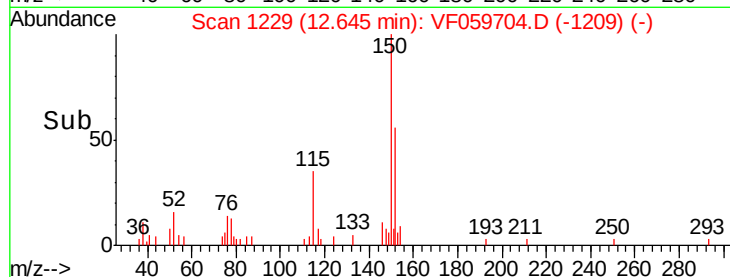
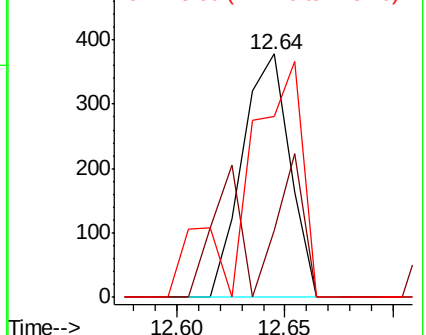
148 74.1 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#89

n-Butylbenzene

Concen: Below Cal

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF059704.D

Acq: 31 Jul 2018 12:52

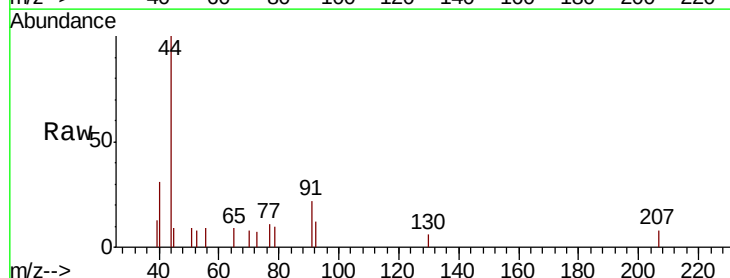
Tgt Ion: 91 Resp: 357

Ion Ratio Lower Upper

91 100

92 53.3 30.1 90.3

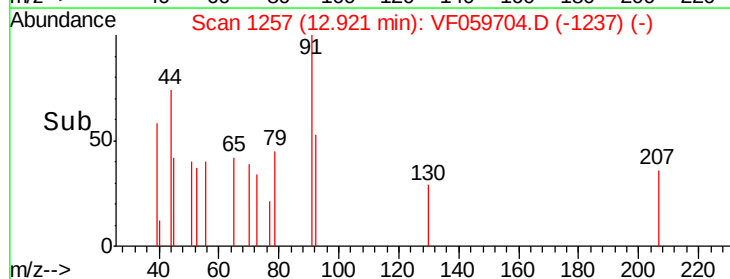
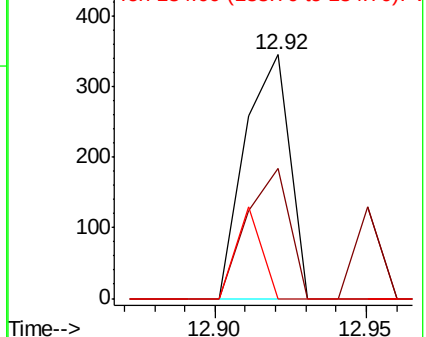
134 0.0 13.7 41.0#

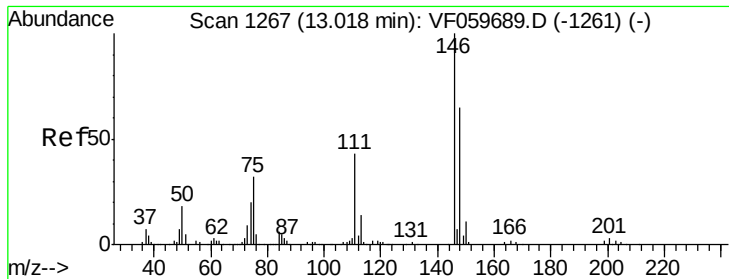


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V





#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059704.D

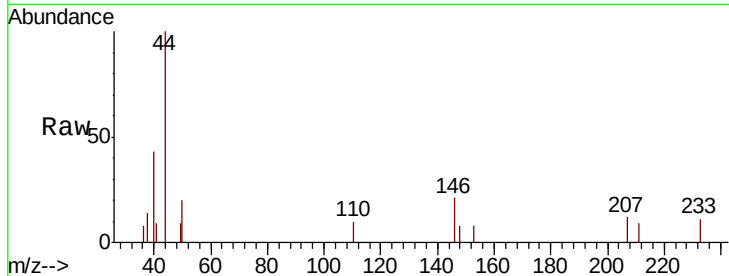
Acq: 31 Jul 2018 12:52

Instrument :

MSVOA_F

ClientSampleId :

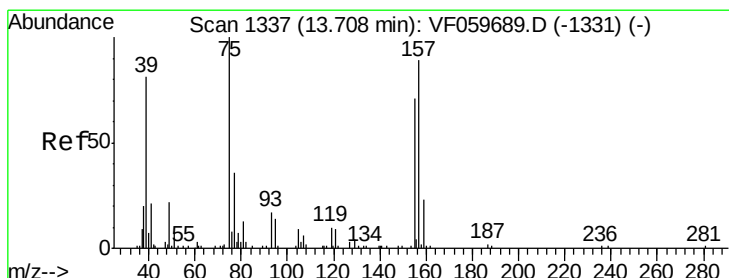
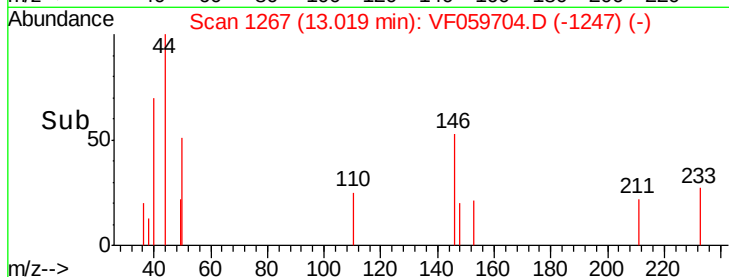
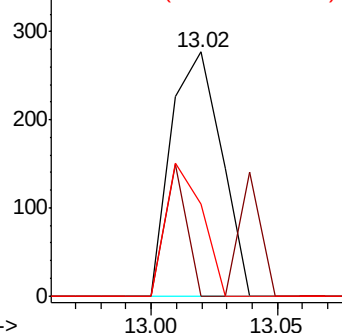
Tot Ion:	146	Resp:	384
Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.6	65.0#
148	37.5	32.3	96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.867 ug/l

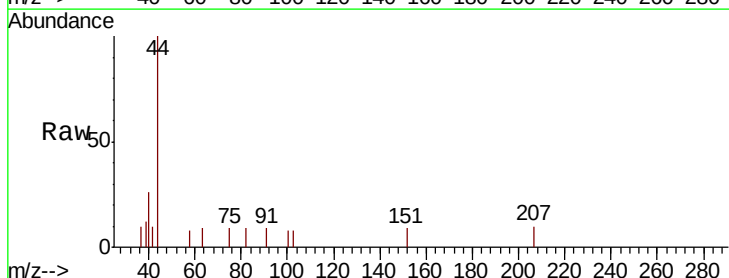
RT: 13.66 min Scan# 1332

Delta R.T. -0.05 min

Lab File: VF059704.D

Acq: 31 Jul 2018 12:52

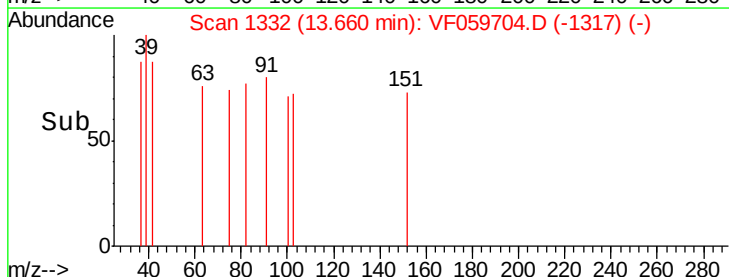
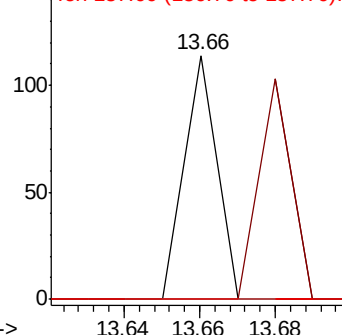
Tgt Ion:	75	Resp:	67
Ion	Ratio	Lower	Upper
75	100		
155	0.0	35.4	106.2#
157	0.0	44.4	133.2#

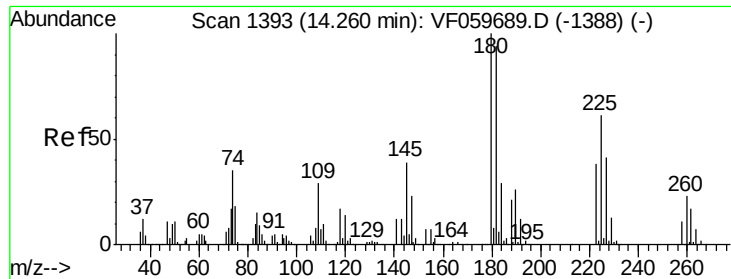


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

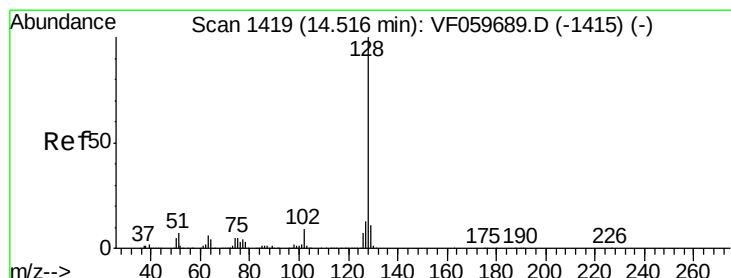
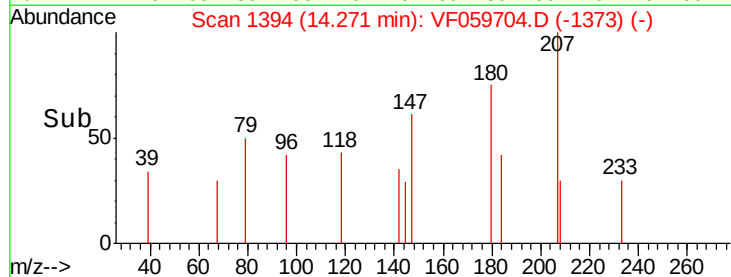
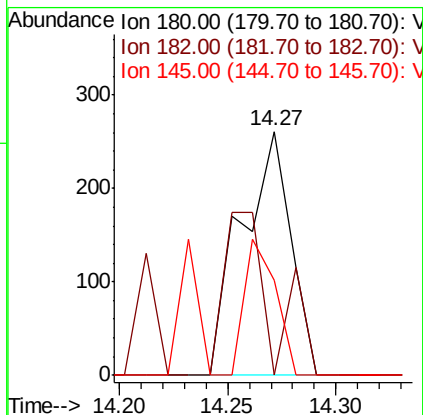
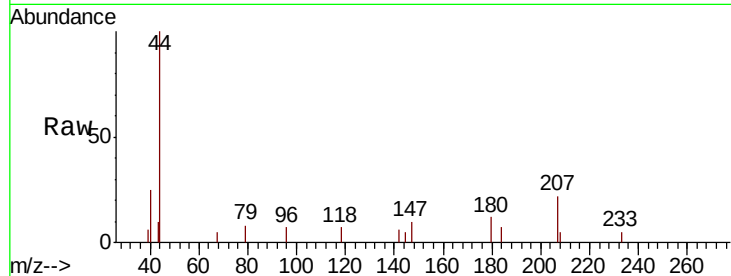




#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: VF059704.D
 Acq: 31 Jul 2018 12:52

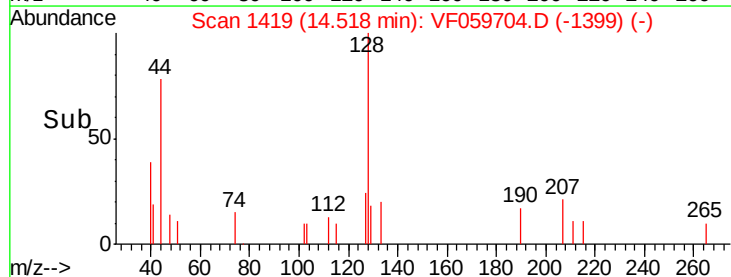
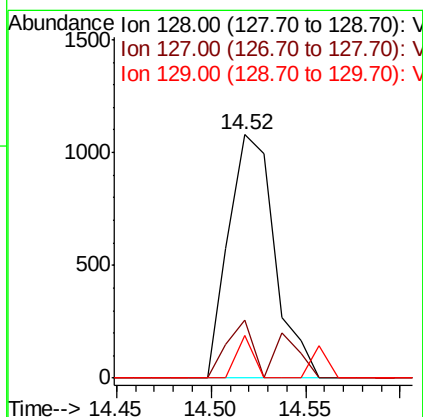
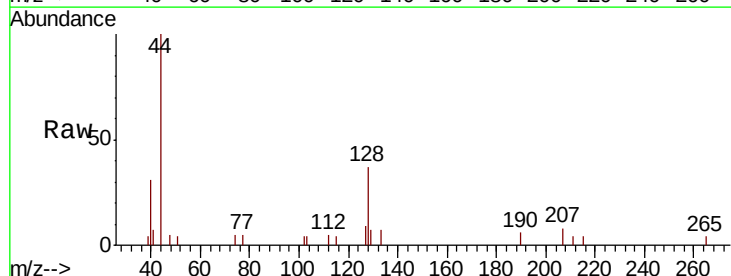
Instrument :
 MSVOA_F
 ClientSampled :

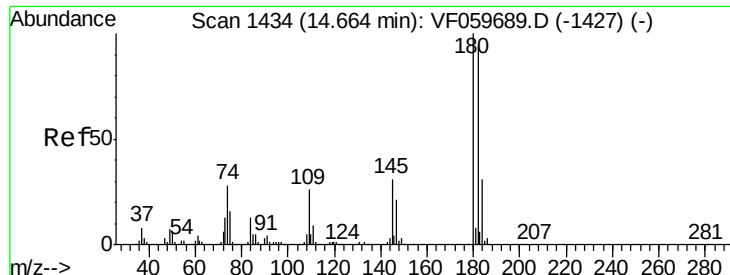
Tot Ion:180 Resp: 415
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.2 141.6#
 145 39.1 19.3 57.9



#95
 Naphthalene
 Concen: 3.560 ug/l
 RT: 14.52 min Scan# 1419
 Delta R.T. 0.00 min
 Lab File: VF059704.D
 Acq: 31 Jul 2018 12:52

Tgt Ion:128 Resp: 1824
 Ion Ratio Lower Upper
 128 100
 127 23.9 10.0 15.0#
 129 17.6 8.6 13.0#

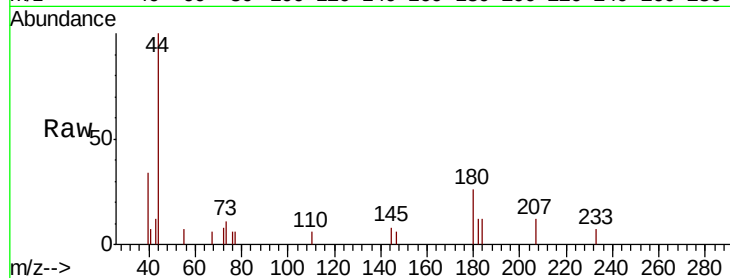




#96
 1,2,3-Trichlorobenzene
 Concen: 1.914 ug/l
 RT: 14.67 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VF059704.D
 Acq: 31 Jul 2018 12:52

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	47.6	47.2	141.6
145	30.4	15.6	46.7



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

