

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059701.D
 Acq On : 31 Jul 2018 11:18
 Operator : VA/AP
 Sample : VF0731SBL01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 82 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 31 12:22:18 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	205783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	296220	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	290802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	191782	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	196506	53.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.26%	
35) Dibromofluoromethane	4.29	113	170098	55.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.58%	
50) Toluene-d8	7.71	98	350598	48.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.74%	
62) 4-Bromofluorobenzene	11.51	95	197367	49.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	702	Below Cal		90
3) Chloromethane	1.09	50	987	Below Cal	#	38
4) Vinyl Chloride	1.15	62	230	Below Cal	#	47
5) Bromomethane	1.32	94	298	Below Cal		97
6) Chloroethane	1.42	64	68	Below Cal	#	20
10) Methyl Iodide	1.96	142	142	Below Cal	#	20
11) Tert butyl alcohol	2.65	59	855	4.299	ug/l #	74
13) Acrolein	2.10	56	190	18.341	ug/l	84
15) Acrylonitrile	3.09	53	916	3.895	ug/l #	58
16) Acetone	2.33	43	4653	6.995	ug/l	99
17) Carbon Disulfide	1.88	76	580	Below Cal	#	1
18) Methyl Acetate	2.45	43	756	Below Cal	#	64
20) Methylene Chloride	2.28	84	5609	Below Cal	#	40
21) trans-1,2-Dichloroethene	2.42	96	235	Below Cal	#	34
23) Vinyl Acetate	3.33	43	2928	1.058	ug/l #	80
25) 2-Butanone	4.51	43	3095	4.169	ug/l #	82
28) Bromochloromethane	3.88	49	295	Below Cal	#	79
29) Tetrahydrofuran	4.23	42	648	2.271	ug/l #	39
31) Cyclohexane	3.88	56	436	Below Cal	#	76
36) 1,1-Dichloropropene	4.45	75	256	Below Cal	#	28
37) Ethyl Acetate	4.26	43	1512	Below Cal	#	47
39) Methylcyclohexane	5.64	83	289	Below Cal	#	55
41) Methacrylonitrile	4.92	41	415	Below Cal	#	58
43) Isopropyl Acetate	7.11	43	1791	1.011	ug/l #	72
44) Trichloroethene	5.67	130	320	Below Cal		62
49) 1,4-Dioxane	6.88	88	237	Below Cal	#	23
51) 4-Methyl-2-Pentanone	8.41	43	6125	4.546	ug/l	97
52) Toluene	7.79	92	1018	Below Cal		79
58) 2-Chloroethyl Vinyl ether	7.78	63	276	1.415	ug/l	100
59) 2-Hexanone	9.63	43	15158	14.039	ug/l	94
64) Tetrachloroethene	8.32	164	332	Below Cal	#	39
68) m/p-Xylenes	10.27	106	1567	Below Cal		88
74) N-amyl acetate	11.46	43	7975	2.512	ug/l #	91
78) n-propylbenzene	11.69	91	4402	Below Cal		79

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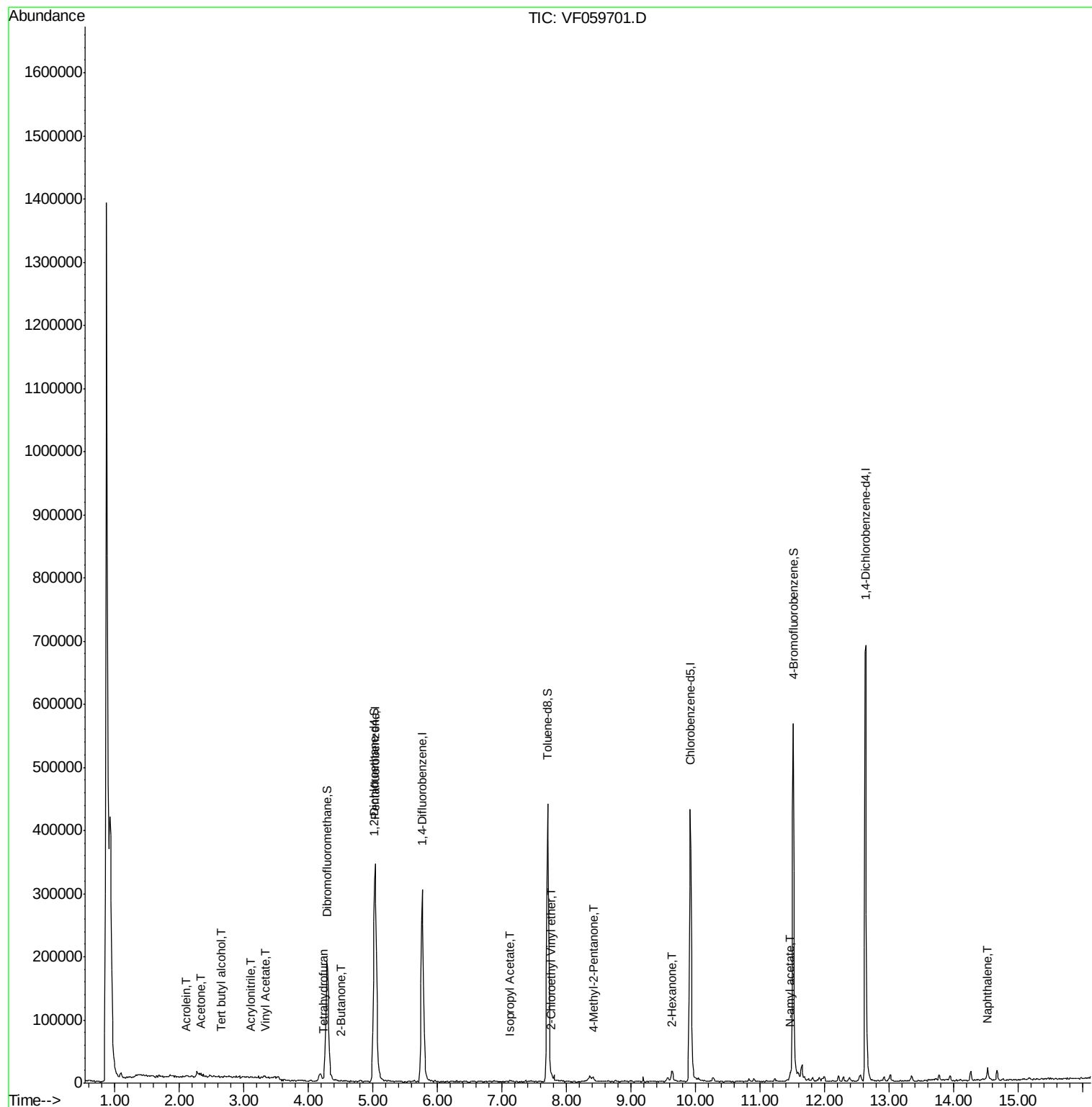
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	11.82	91	3210	Below Cal		84
80) 1,3,5-Trimethylbenzene	11.91	105	2467	Below Cal		86
82) 4-Chlorotoluene	11.98	91	3915	Below Cal		87
84) 1,2,4-Trimethylbenzene	12.29	105	3181	Below Cal		99
85) sec-Butylbenzene	12.39	105	3656	Below Cal		99
86) p-Isopropyltoluene	12.54	119	3288	Below Cal		92
87) 1,3-Dichlorobenzene	12.56	146	3470	Below Cal		87
88) 1,4-Dichlorobenzene	12.64	146	3520	Below Cal		97
89) n-Butylbenzene	12.92	91	3710	Below Cal		90
91) 1,2-Dichlorobenzene	13.02	146	3030	Below Cal		97
93) 1,2,4-Trichlorobenzene	14.27	180	3662	Below Cal		89
95) Naphthalene	14.52	128	13073	1.581 µg/l #		93

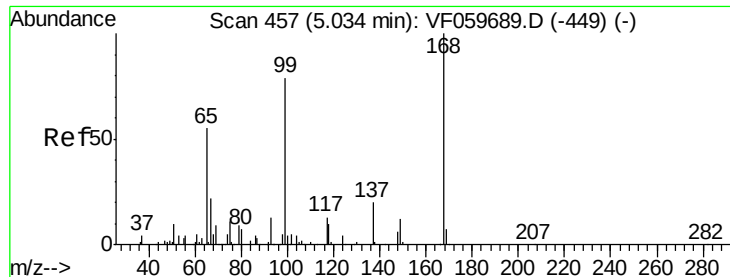
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF059701.D

Acq: 31 Jul 2018 11:18

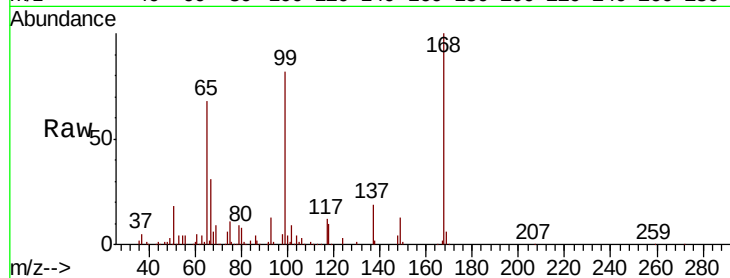
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 205783

Ion Ratio Lower Upper

168 100

99 81.7 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

80000

60000

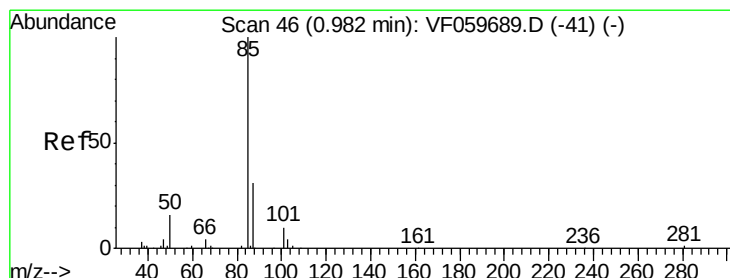
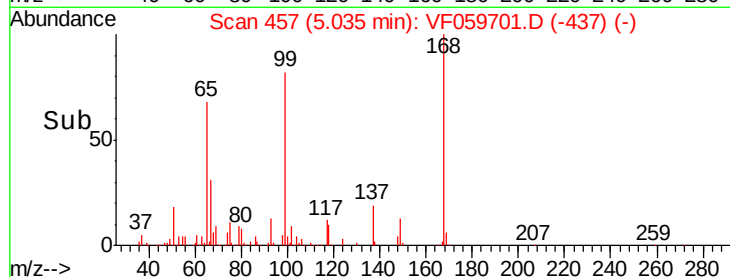
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.99 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF059701.D

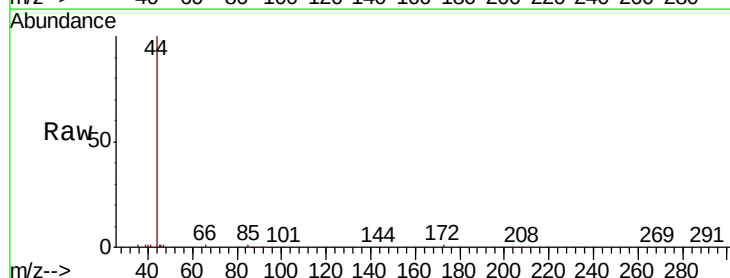
Acq: 31 Jul 2018 11:18

Tgt Ion: 85 Resp: 702

Ion Ratio Lower Upper

85 100

87 25.1 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

400

300

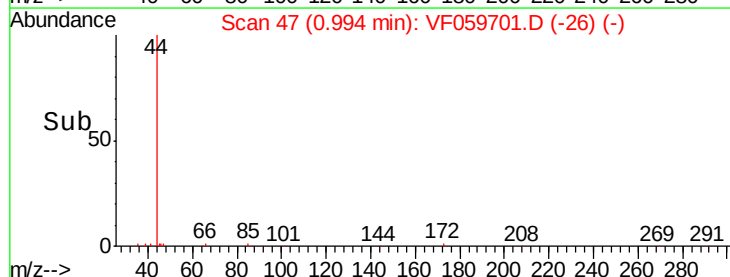
200

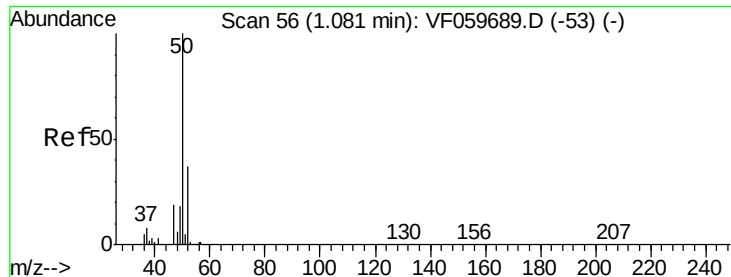
100

0

Time-->

0.95 1.00





#3

Chloromethane

Concen: Below Cal

RT: 1.09 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF059701.D

Acq: 31 Jul 2018 11:18

Instrument :

MSVOA_F

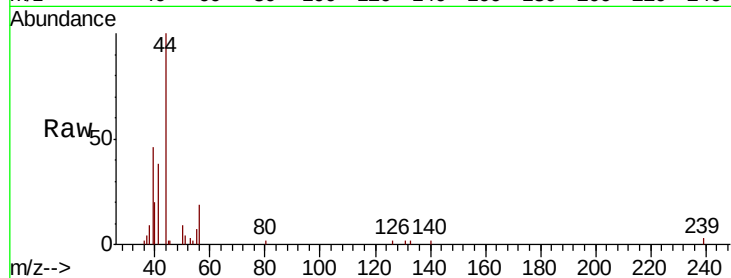
ClientSampled :

Tot Ion: 50 Resp: 987

Ion Ratio Lower Upper

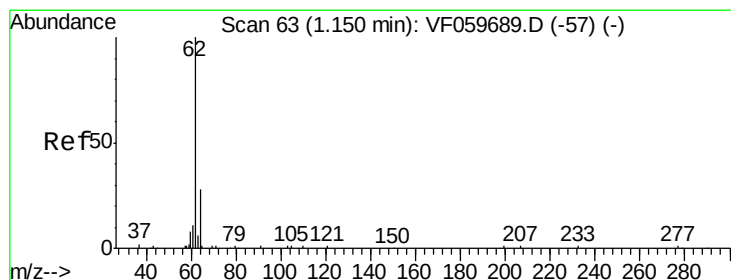
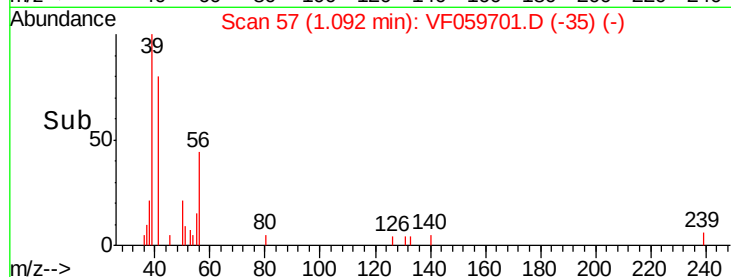
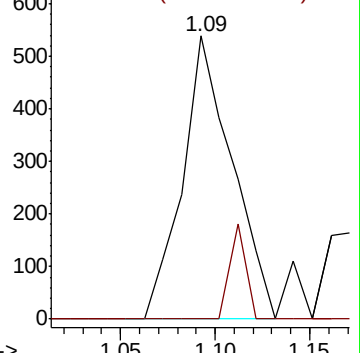
50 100

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: VF059701.D

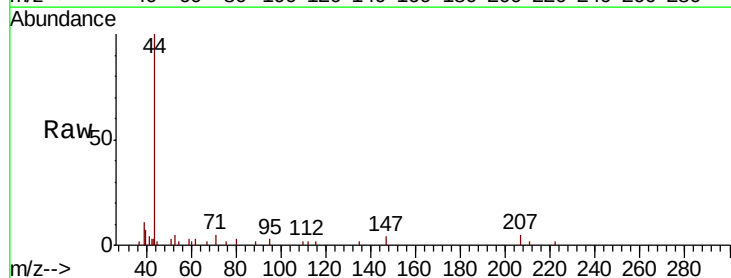
Acq: 31 Jul 2018 11:18

Tgt Ion: 62 Resp: 230

Ion Ratio Lower Upper

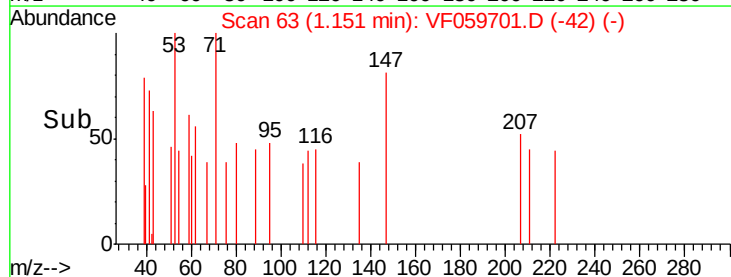
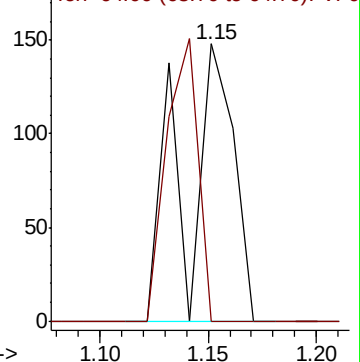
62 100

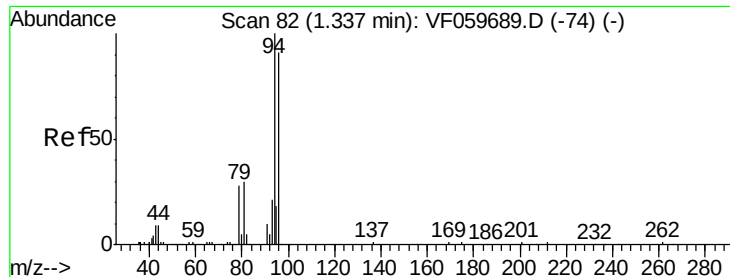
64 0.0 22.6 33.8#



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: 1.32 min Scan# 80

Delta R.T. -0.02 min

Lab File: VF059701.D

Acq: 31 Jul 2018 11:18

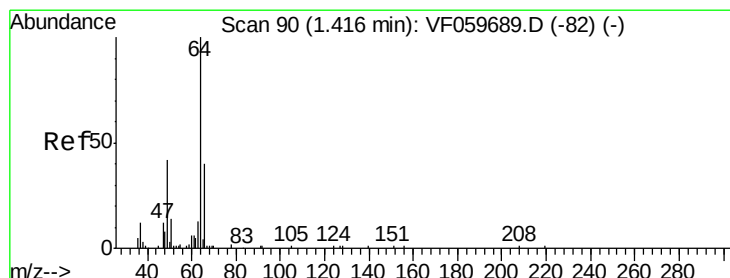
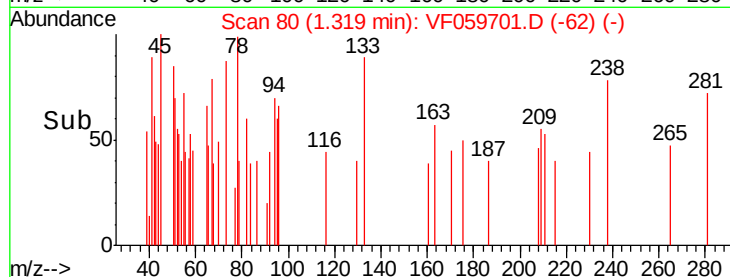
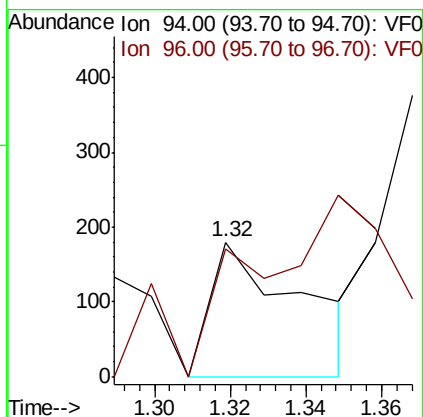
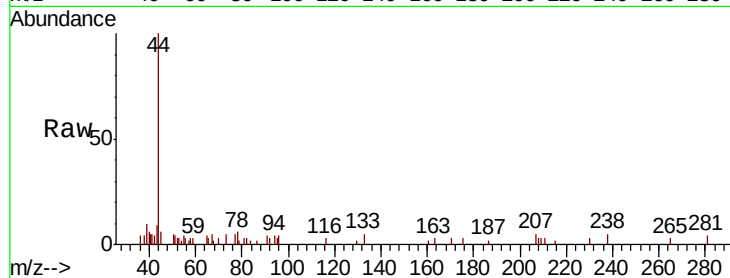
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 298

Ion Ratio Lower Upper

94 100

96 94.4 73.6 110.4



#6

Chloroethane

Concen: Below Cal

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059701.D

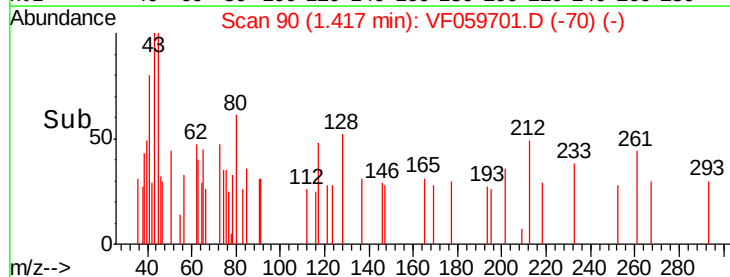
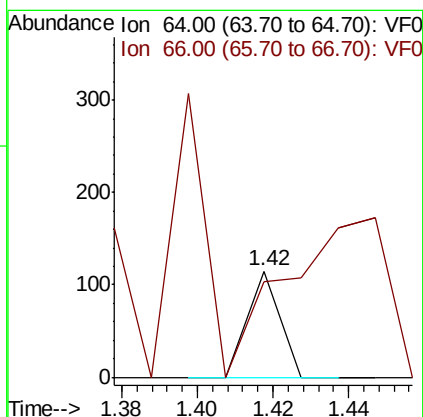
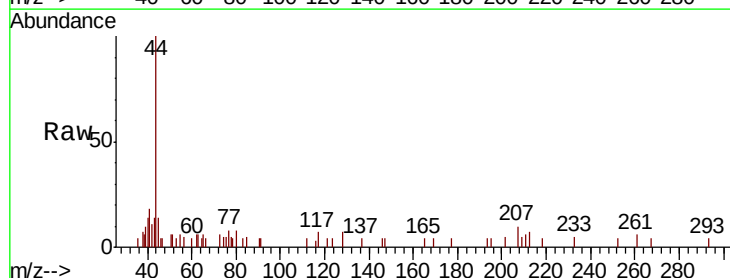
Acq: 31 Jul 2018 11:18

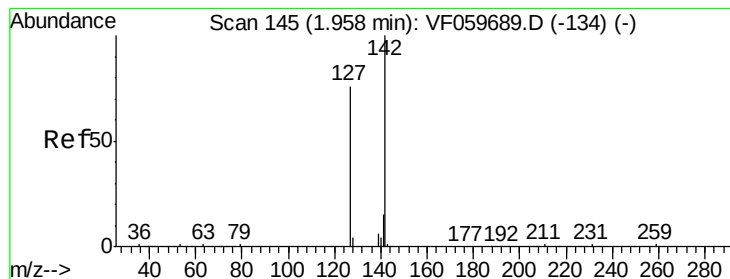
Tgt Ion: 64 Resp: 68

Ion Ratio Lower Upper

64 100

66 90.4 32.6 49.0#





#10

Methvl Iodide

Concen: Below Cal

RT: 1.96 min Scan# 145

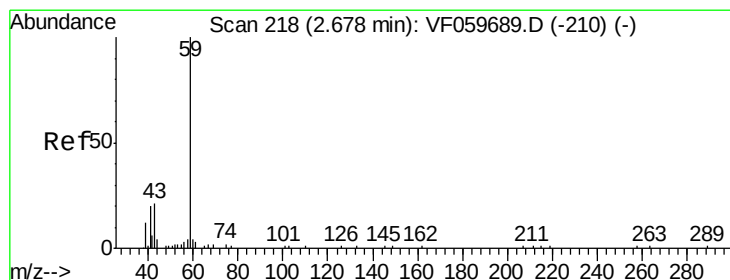
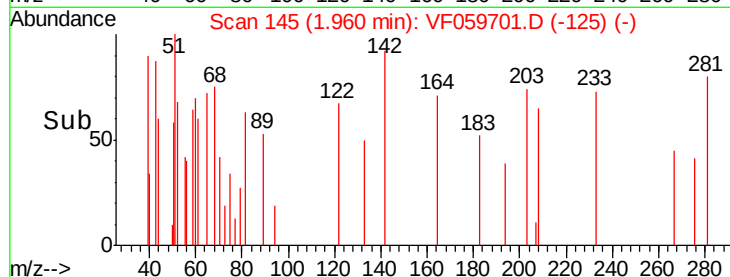
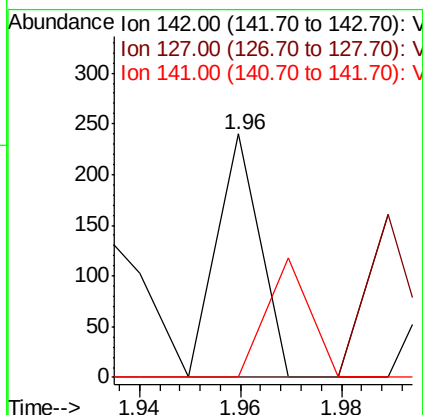
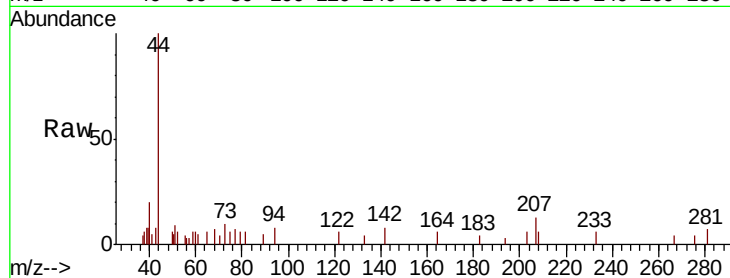
Delta R.T. 0.00 min

Lab File: VF059701.D

Acq: 31 Jul 2018 11:18

Instrument :
MSVOA_F
ClientSampleId :

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



#11

Tert butyl alcohol

Concen: 4.299 ug/l

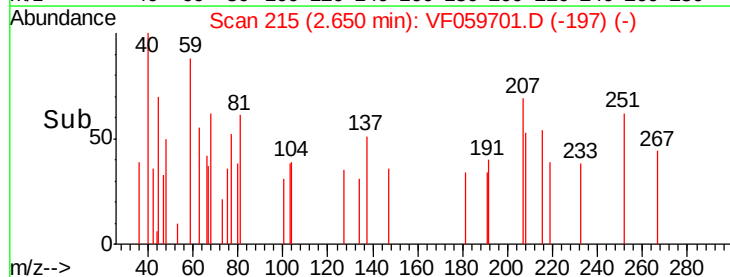
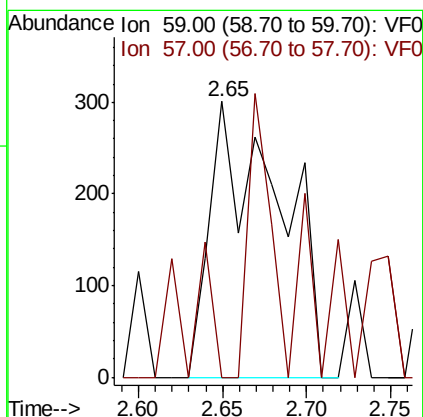
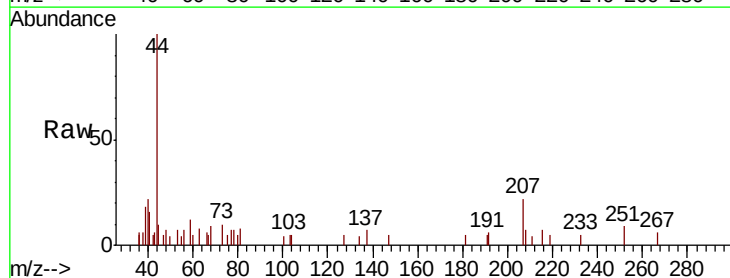
RT: 2.65 min Scan# 215

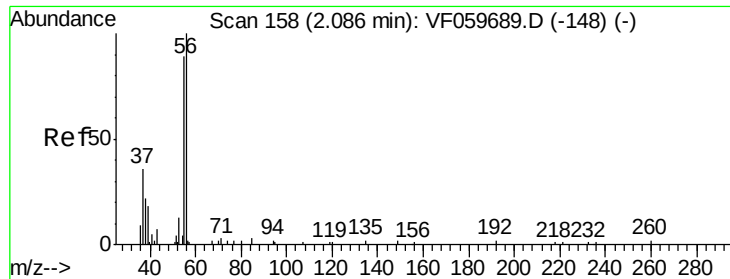
Delta R.T. -0.03 min

Lab File: VF059701.D

Acq: 31 Jul 2018 11:18

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

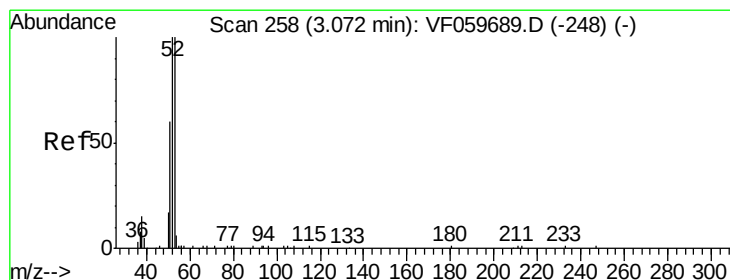
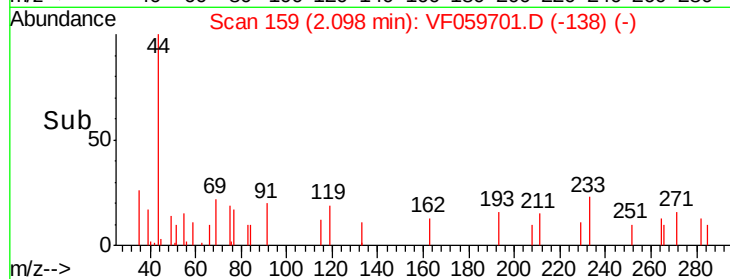
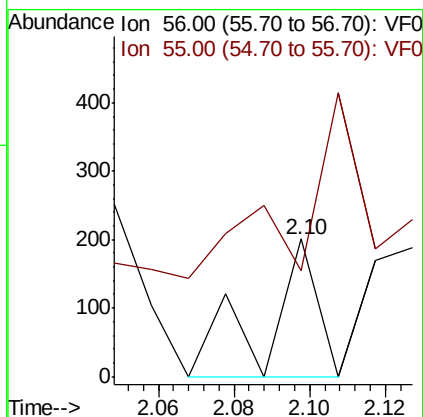
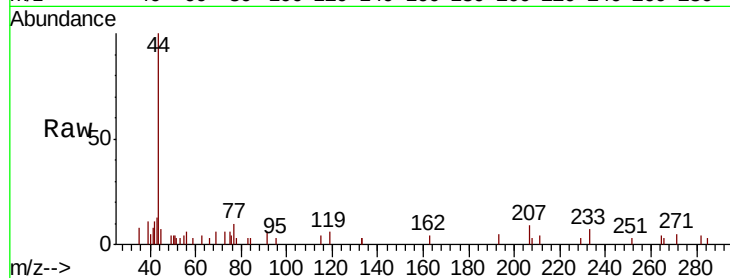




#13
Acrolein
Concen: 18.341 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.01 min
Lab File: VF059701.D
Acq: 31 Jul 2018 11:18

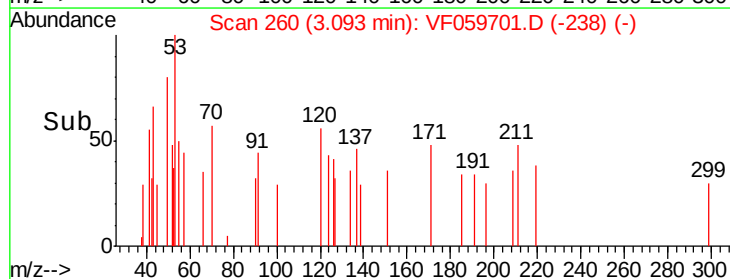
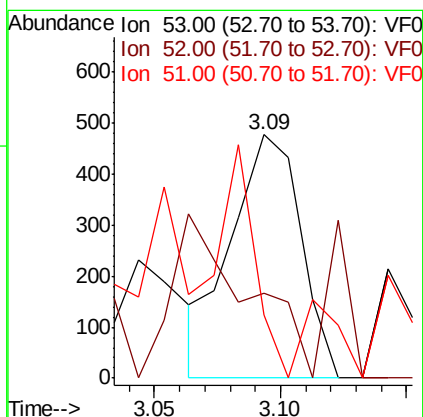
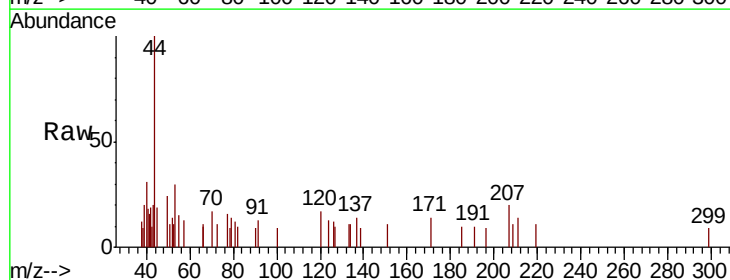
Instrument :
MSVOA_F
ClientSampled :

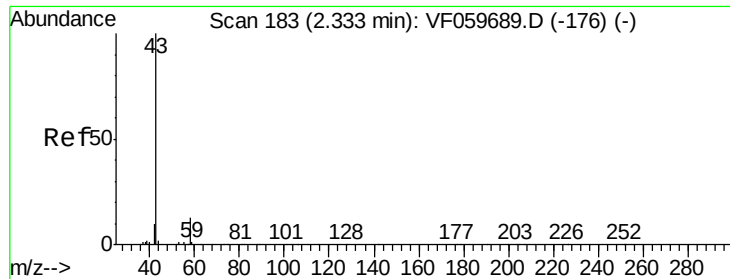
Tot Ion: 56 Resp: 190
Ion Ratio Lower Upper
56 100
55 76.6 73.2 109.8



#15
Acrylonitrile
Concen: 3.895 ug/l
RT: 3.09 min Scan# 260
Delta R.T. 0.02 min
Lab File: VF059701.D
Acq: 31 Jul 2018 11:18

Tgt Ion: 53 Resp: 916
Ion Ratio Lower Upper
53 100
52 61.6 80.3 120.5#
51 25.8 49.4 74.0#

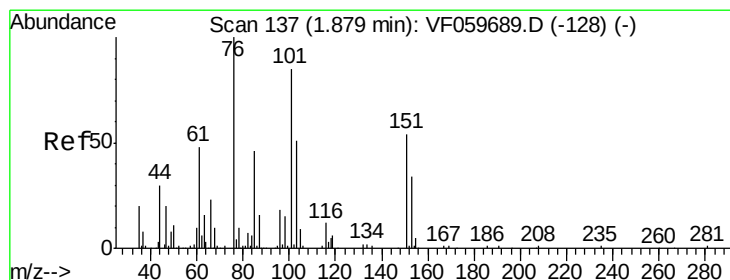
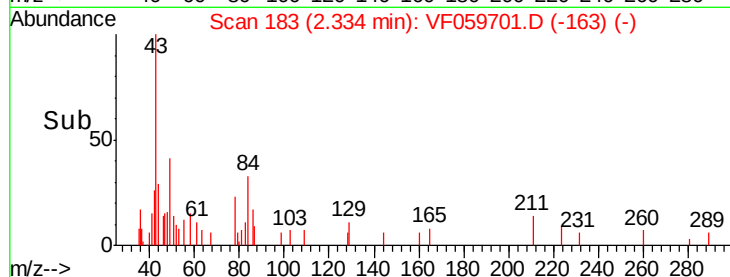
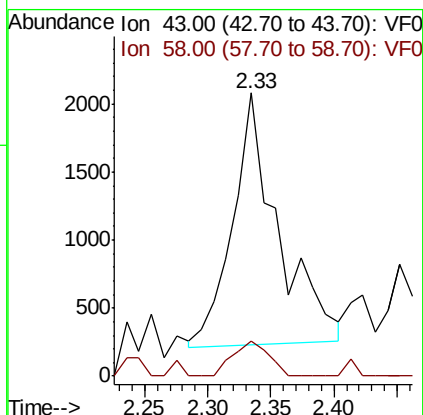
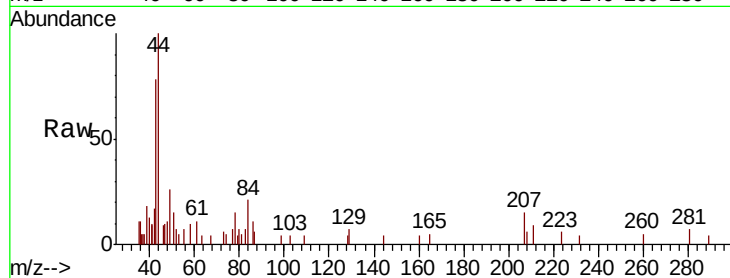




#16
Acetone
Concen: 6.995 ug/l
RT: 2.33 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF059701.D
Acq: 31 Jul 2018 11:18

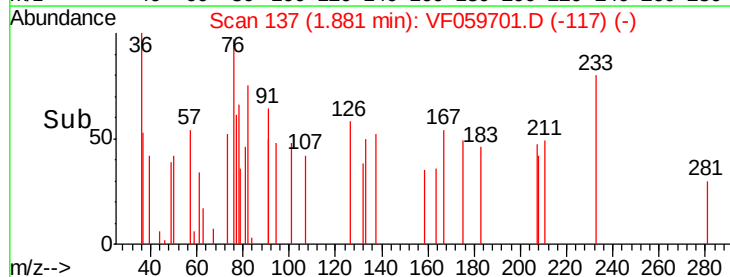
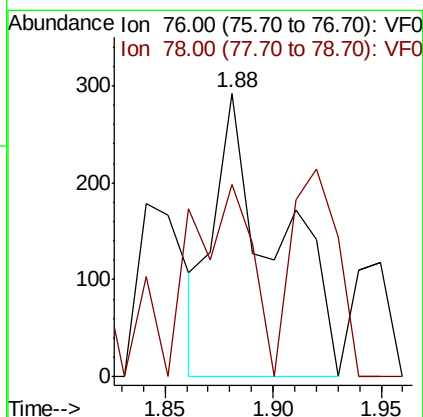
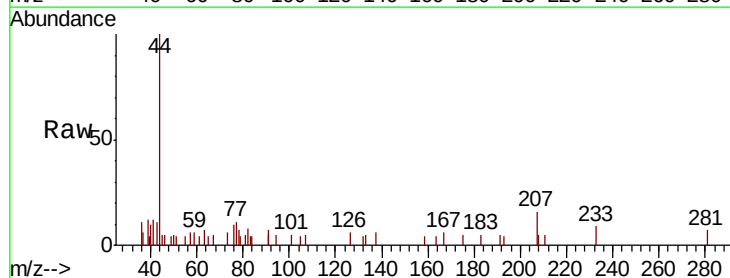
Instrument :
MSVOA_F
ClientSampleId :

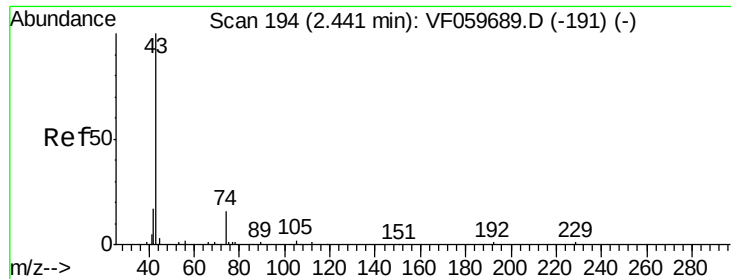
Tot Ion: 43 Resp: 4653
Ion Ratio Lower Upper
43 100
58 12.4 10.1 15.1



#17
Carbon Disulfide
Concen: Below Cal
RT: 1.88 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF059701.D
Acq: 31 Jul 2018 11:18

Tgt Ion: 76 Resp: 580
Ion Ratio Lower Upper
76 100
78 67.8 8.9 13.3#

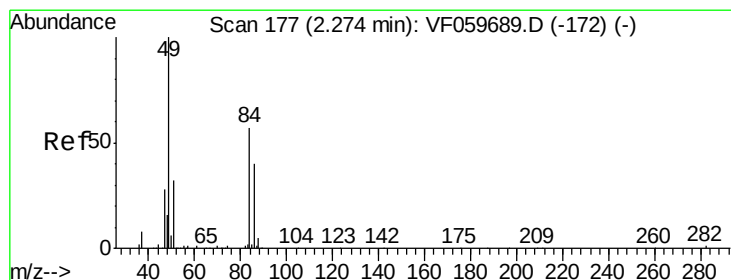
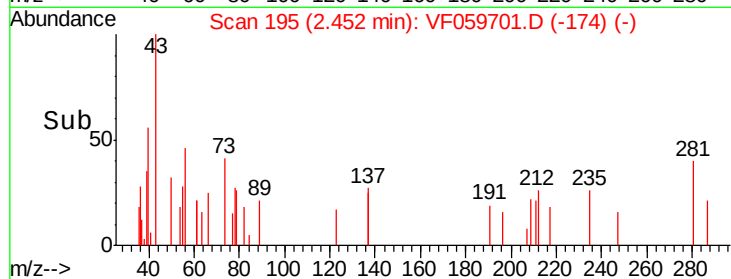
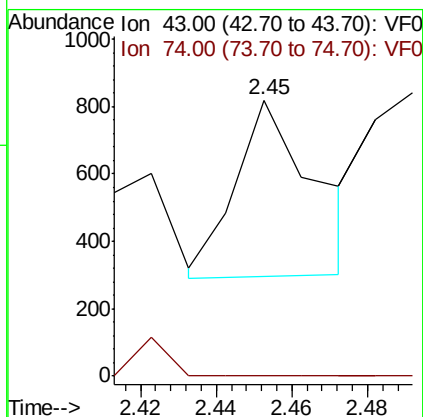
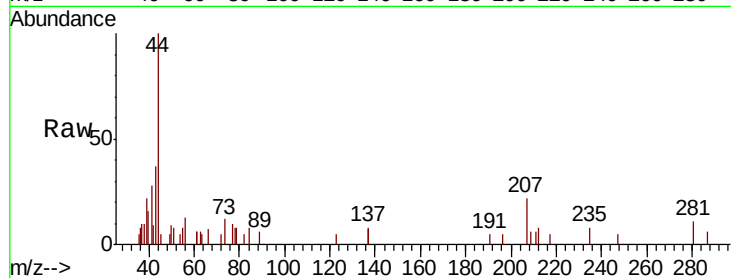




#18
Methyl Acetate
Concen: Below Cal
RT: 2.45 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059701.D
Acq: 31 Jul 2018 11:18

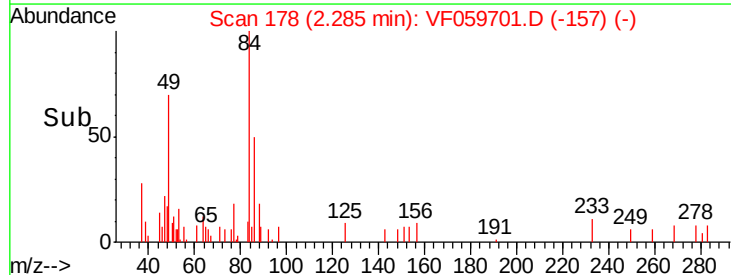
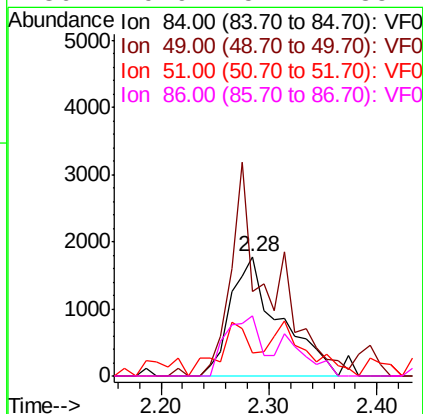
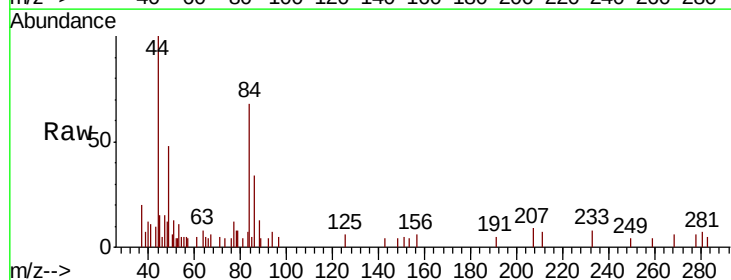
Instrument :
MSVOA_F
ClientSampleId :

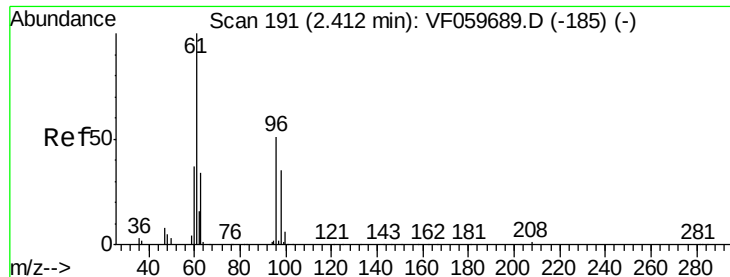
Tot Ion: 43 Resp: 756
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 178
Delta R.T. 0.01 min
Lab File: VF059701.D
Acq: 31 Jul 2018 11:18

Tgt Ion: 84 Resp: 5609
Ion Ratio Lower Upper
84 100
49 70.1 142.2 213.4#
51 18.9 46.2 69.2#
86 49.9 57.1 85.7#





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 2.42 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF059701.D

Acq: 31 Jul 2018 11:18

Instrument :

MSVOA_F

ClientSampleId :

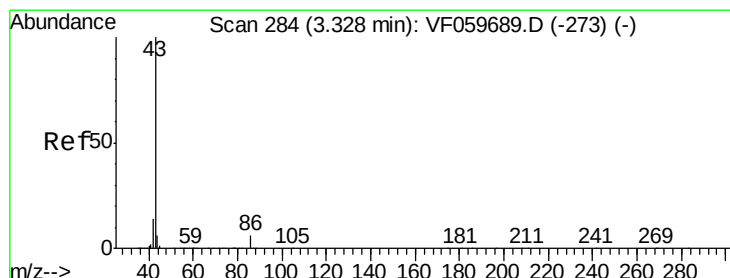
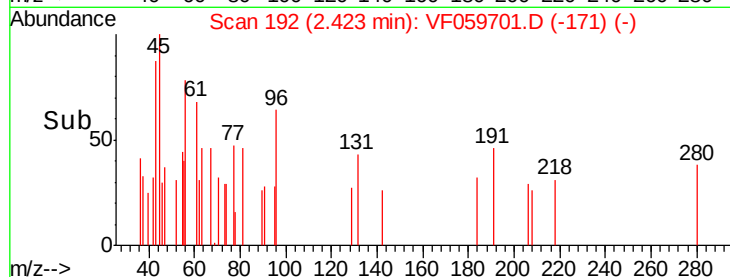
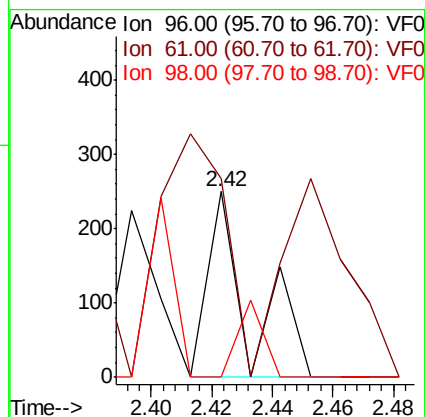
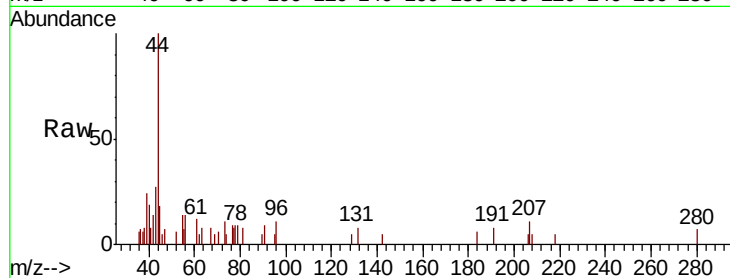
Tot Ion: 96 Resp: 235

Ion Ratio Lower Upper

96 100

61 107.2 157.4 236.0#

98 0.0 55.0 82.4#



#23

Vinyl Acetate

Concen: 1.058 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059701.D

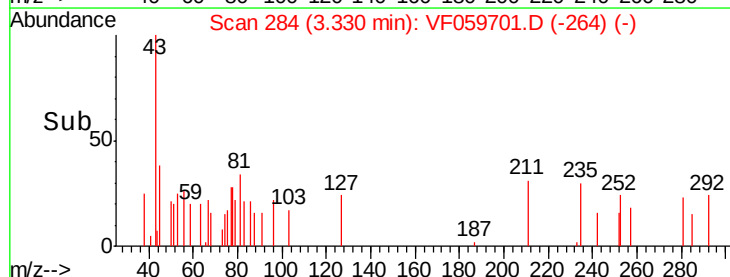
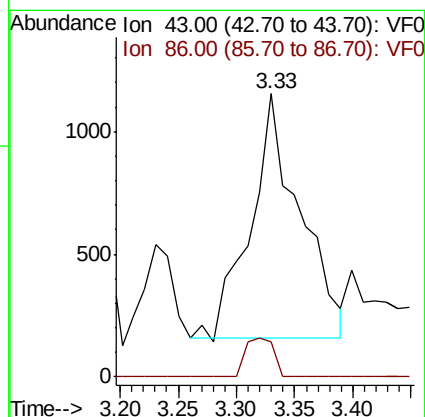
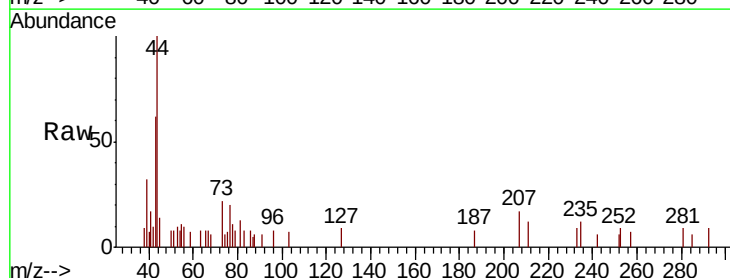
Acq: 31 Jul 2018 11:18

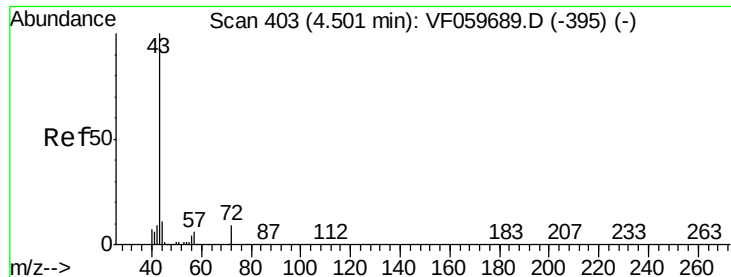
Tgt Ion: 43 Resp: 2928

Ion Ratio Lower Upper

43 100

86 12.5 4.6 6.8#





#25

2-Butanone

Concen: 4.169 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059701.D

Acq: 31 Jul 2018 11:18

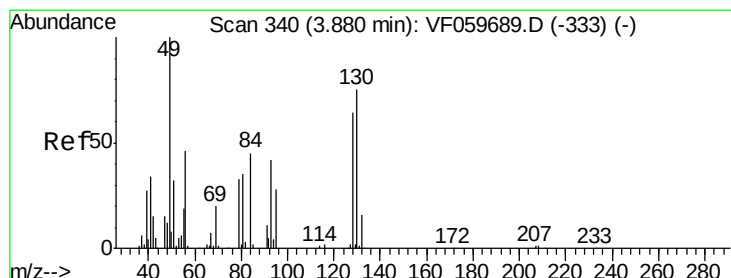
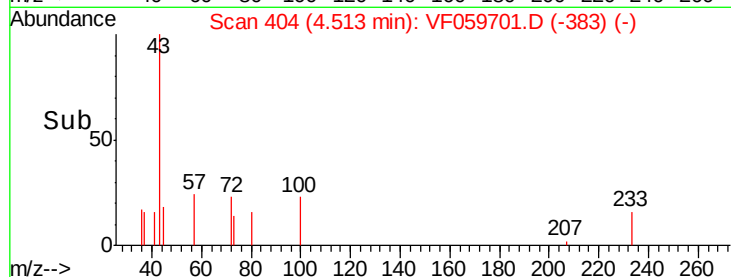
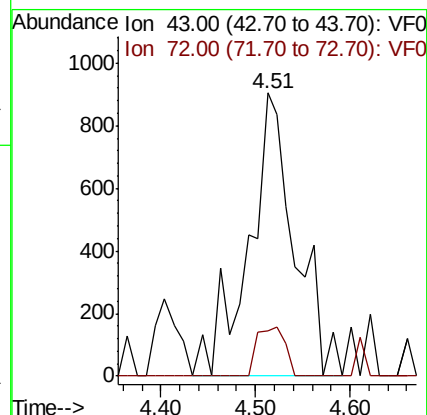
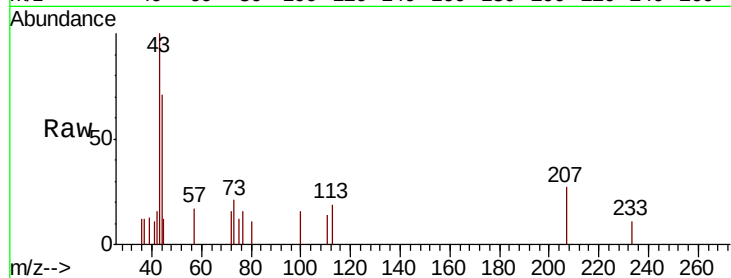
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 3095

Ion Ratio Lower Upper

43 100

72 16.2 7.7 11.5#



#28

Bromochloromethane

Concen: Below Cal

RT: 3.88 min Scan# 340

Delta R.T. 0.00 min

Lab File: VF059701.D

Acq: 31 Jul 2018 11:18

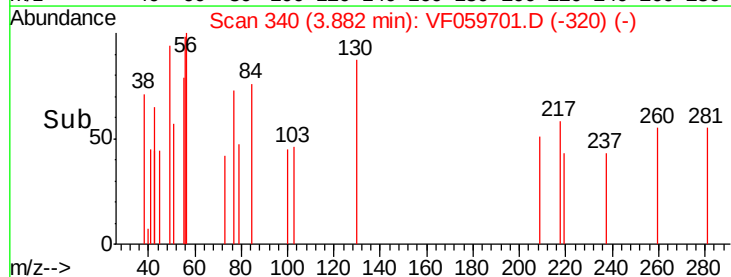
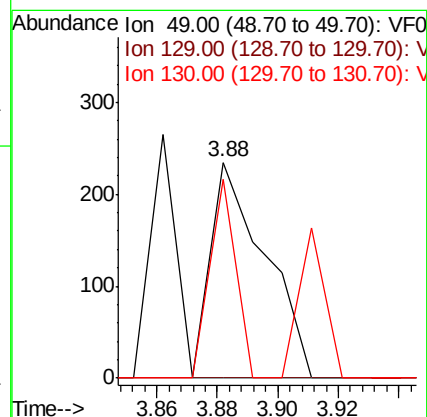
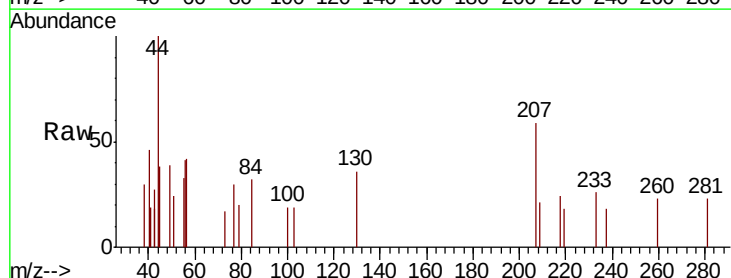
Tgt Ion: 49 Resp: 295

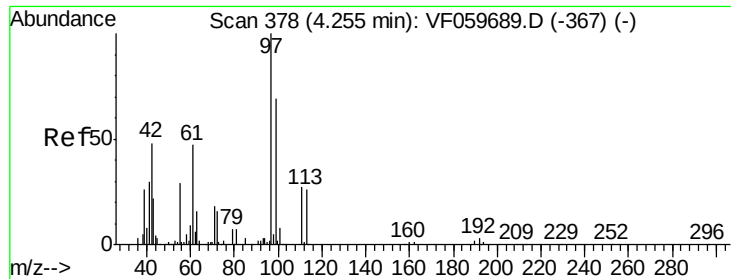
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

130 92.3 59.6 89.4#

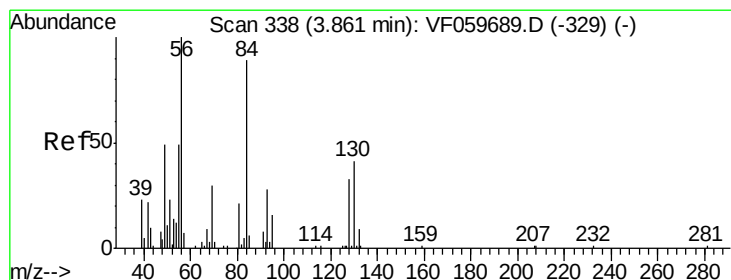
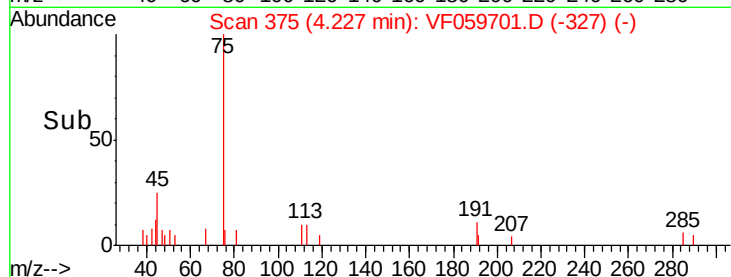
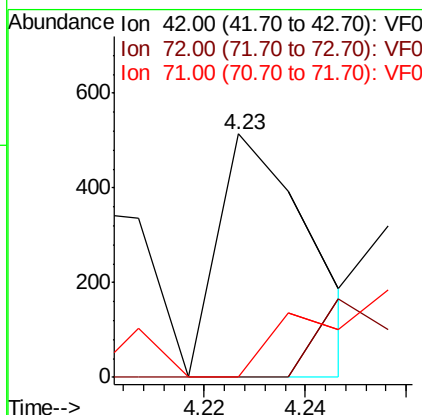
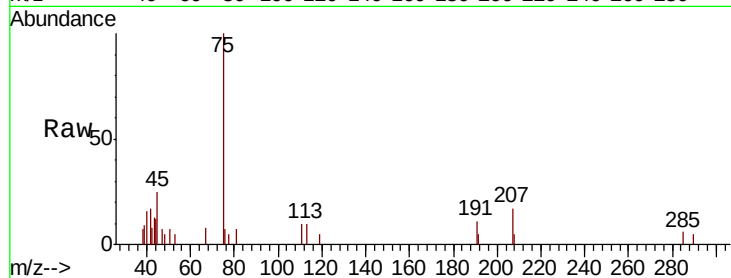




#29
Tetrahydrofuran
Concen: 2.271 ug/l
RT: 4.23 min Scan# 375
Delta R.T. -0.03 min
Lab File: VF059701.D
Acq: 31 Jul 2018 11:18

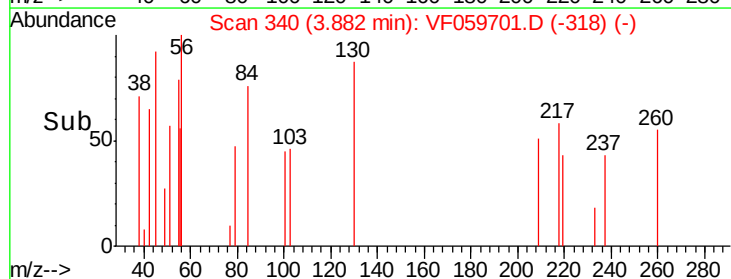
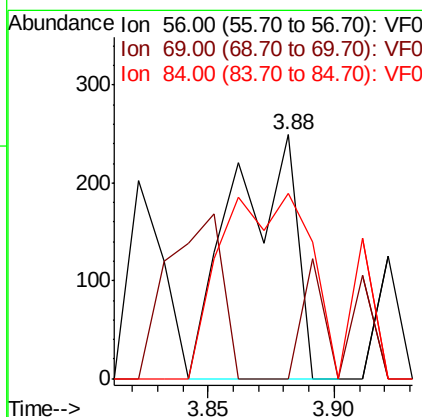
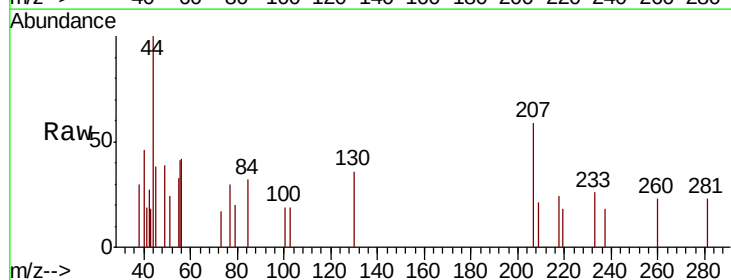
Instrument :
MSVOA_F
ClientSampleId :

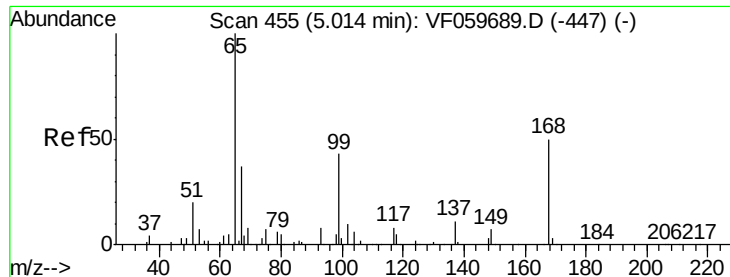
Tot Ion: 42 Resp: 648
Ion Ratio Lower Upper
42 100
72 0.0 27.0 40.6#
71 0.0 29.7 44.5#



#31
Cyclohexane
Concen: Below Cal
RT: 3.88 min Scan# 340
Delta R.T. 0.02 min
Lab File: VF059701.D
Acq: 31 Jul 2018 11:18

Tgt Ion: 56 Resp: 436
Ion Ratio Lower Upper
56 100
69 0.0 23.7 35.5#
84 75.9 71.1 106.7

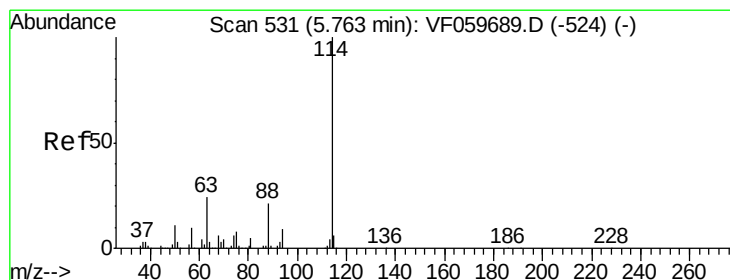
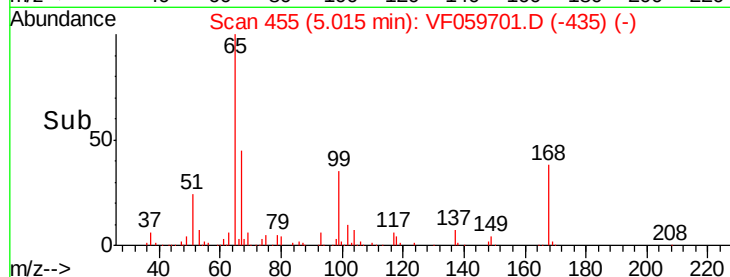
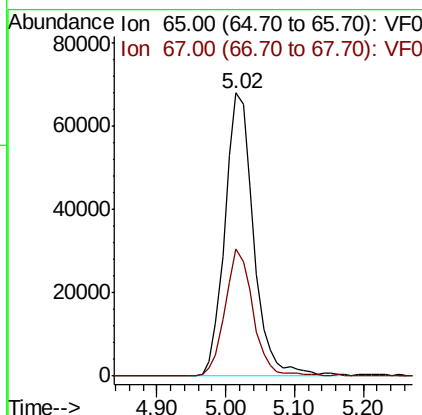
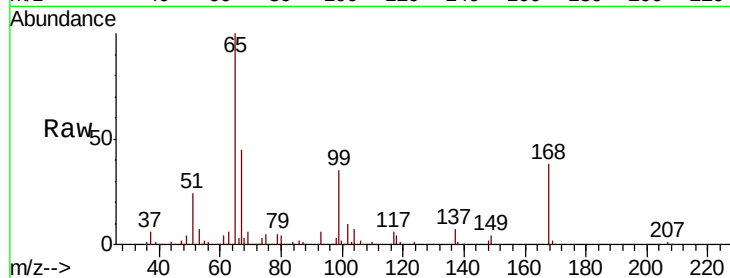




#33
 1,2-Dichloroethane-d4
 Concen: 53.134 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059701.D
 Acq: 31 Jul 2018 11:18

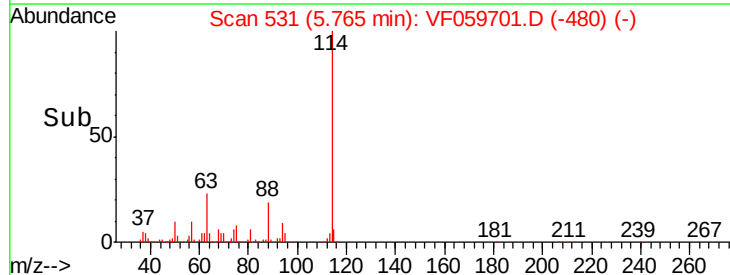
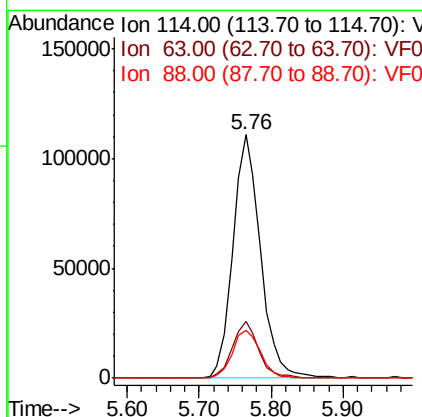
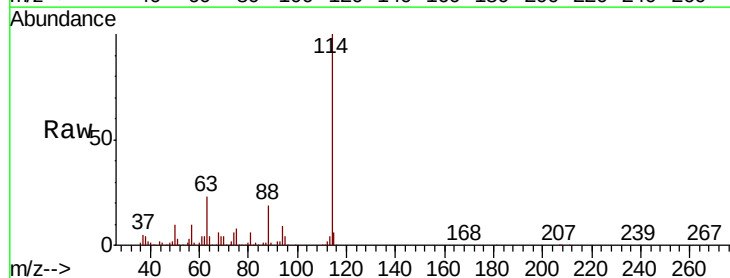
Instrument :
 MSVOA_F
 ClientSampleId :

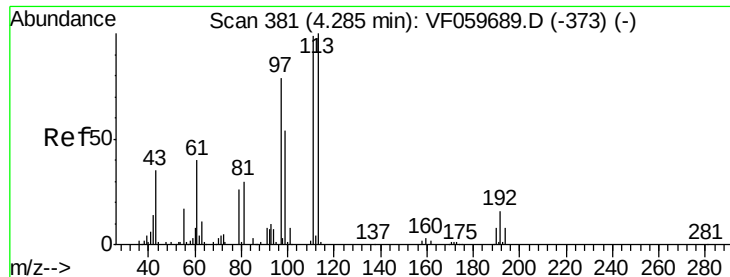
Tot Ion: 65 Resp: 196506
 Ion Ratio Lower Upper
 65 100
 67 45.0 0.0 84.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF059701.D
 Acq: 31 Jul 2018 11:18

Tgt Ion: 114 Resp: 296220
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 47.4
 88 19.4 0.0 41.2

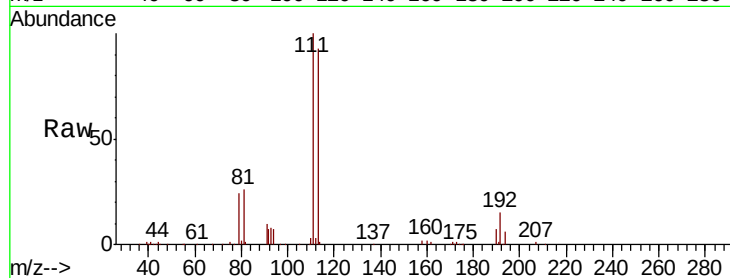




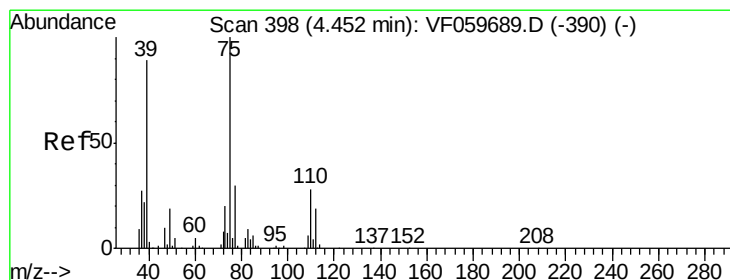
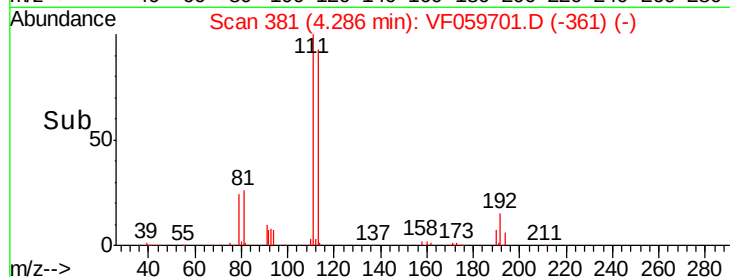
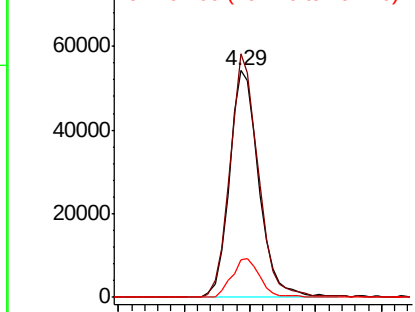
#35
 Dibromofluoromethane
 Concen: 55.286 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VF059701.D
 Acq: 31 Jul 2018 11:18

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:113 Resp: 170098
 Ion Ratio Lower Upper
 113 100
 111 107.4 79.0 118.4
 192 16.6 13.2 19.8

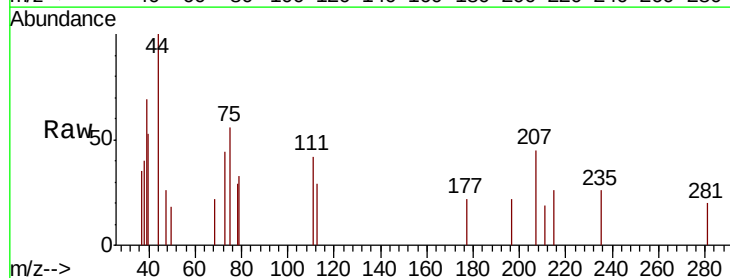


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

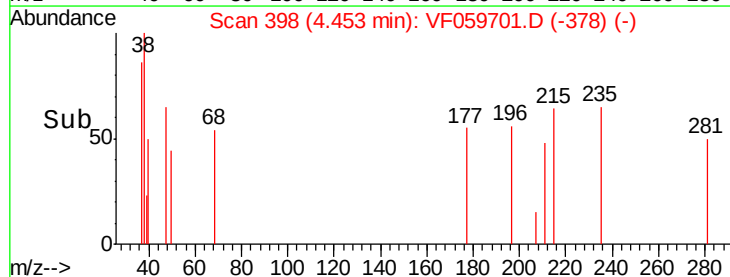
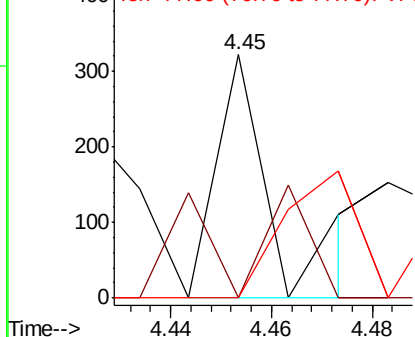


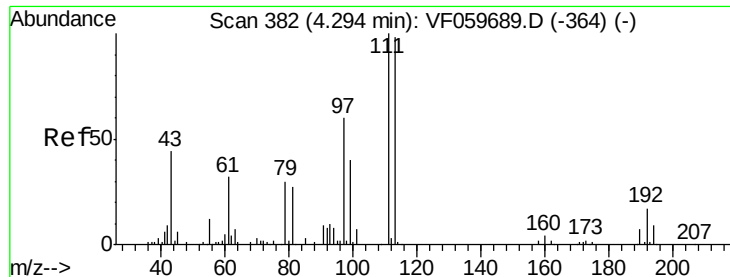
#36
 1,1-Dichloropropene
 Concen: Below Cal
 RT: 4.45 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: VF059701.D
 Acq: 31 Jul 2018 11:18

Tgt Ion: 75 Resp: 256
 Ion Ratio Lower Upper
 75 100
 110 75.5 14.0 41.9#
 77 0.0 24.2 36.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VF0

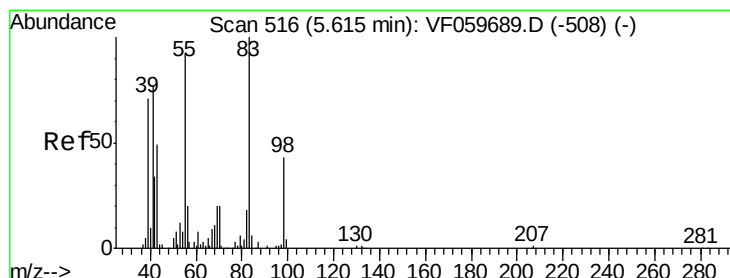
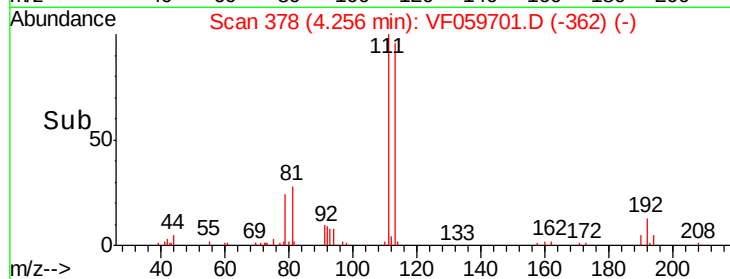
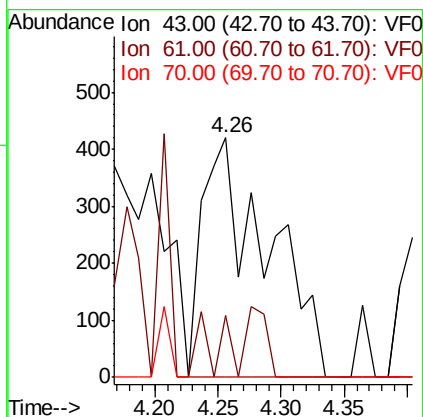
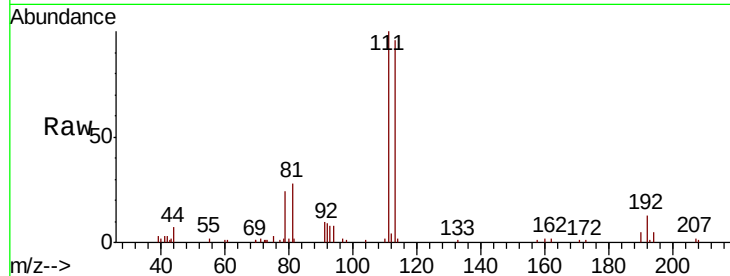




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.26 min Scan# 378
Delta R.T. -0.04 min
Lab File: VF059701.D
Acq: 31 Jul 2018 11:18

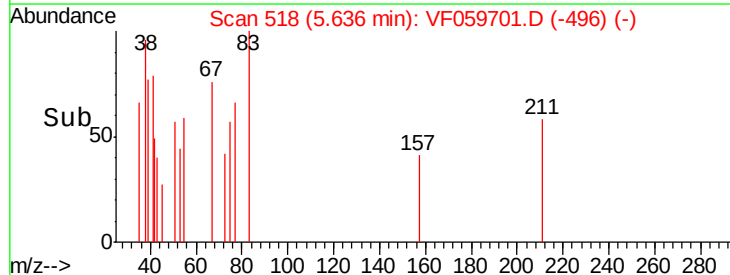
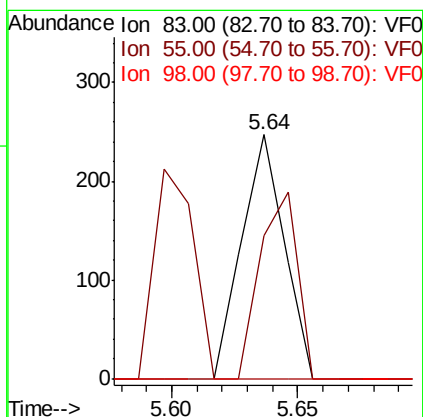
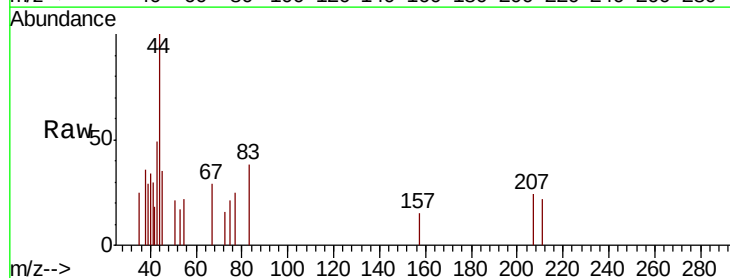
Instrument :
MSVOA_F
ClientSampleId :

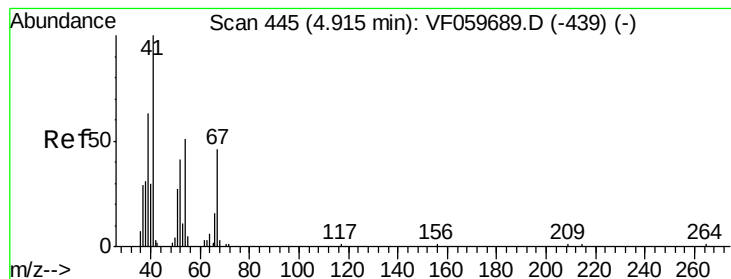
Tot Ion: 43 Resp: 1512
Ion Ratio Lower Upper
43 100
61 25.7 58.2 87.2#
70 0.0 6.0 9.0#



#39
Methylcyclohexane
Concen: Below Cal
RT: 5.64 min Scan# 518
Delta R.T. 0.02 min
Lab File: VF059701.D
Acq: 31 Jul 2018 11:18

Tgt Ion: 83 Resp: 289
Ion Ratio Lower Upper
83 100
55 58.7 73.4 110.2#
98 0.0 34.2 51.4#





#41

Methacrylonitrile

Concen: Below Cal

RT: 4.92 min Scan# 445

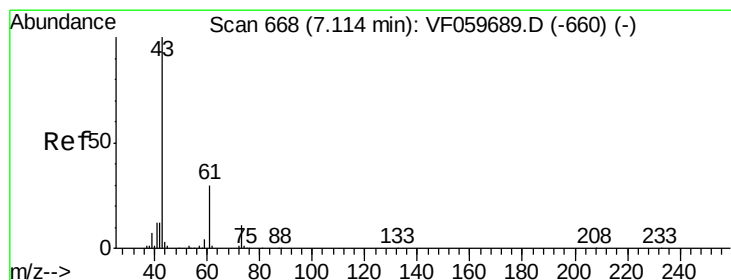
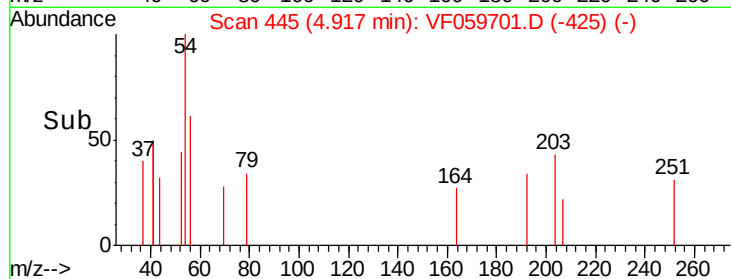
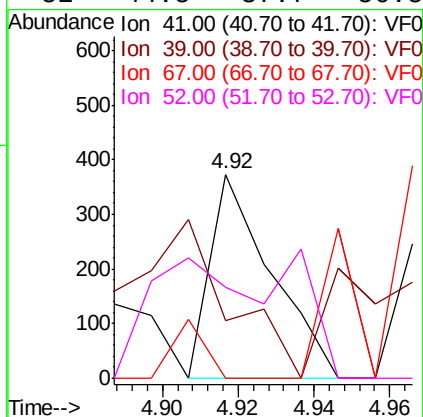
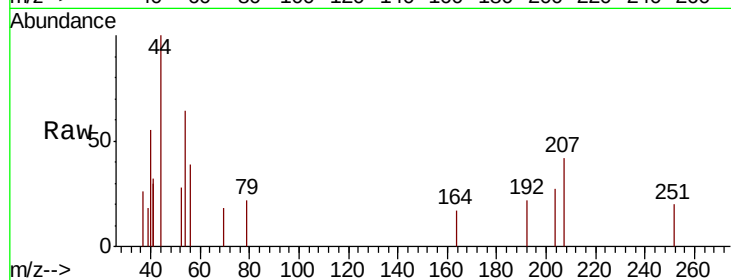
Delta R.T. 0.00 min

Lab File: VF059701.D

Acq: 31 Jul 2018 11:18

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	41	Resp:	415
Ion	Ratio	Lower	Upper
41	100		
39	28.2	55.2	82.8#
67	0.0	36.2	54.2#
52	44.5	37.7	56.5



#43

Isopropyl Acetate

Concen: 1.011 ug/l

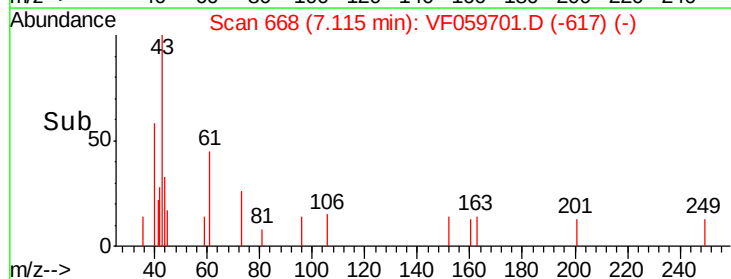
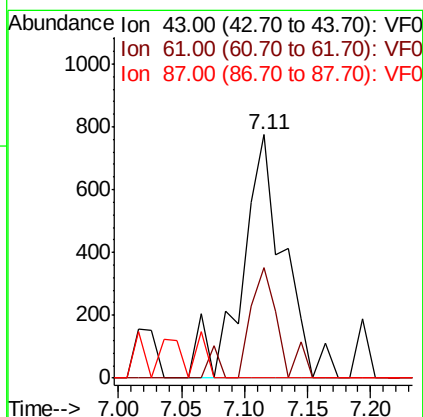
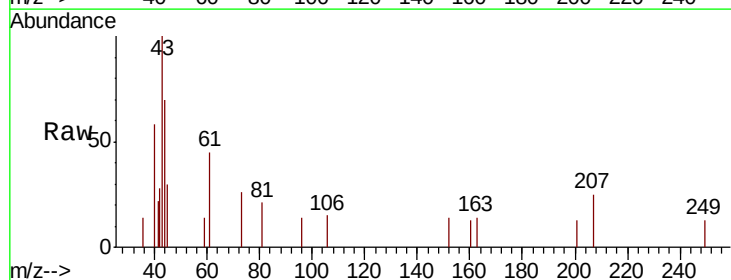
RT: 7.11 min Scan# 668

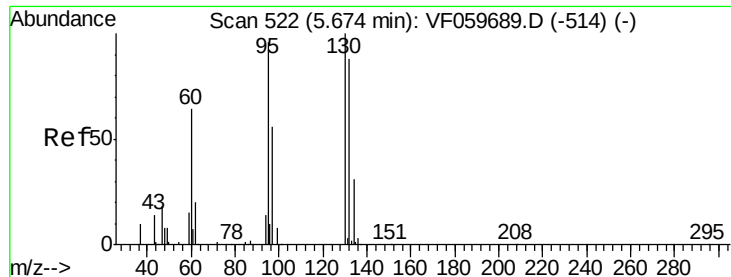
Delta R.T. 0.00 min

Lab File: VF059701.D

Acq: 31 Jul 2018 11:18

Tgt Ion:	43	Resp:	1791
Ion	Ratio	Lower	Upper
43	100		
61	45.2	23.8	35.8#
87	0.0	0.6	1.0#





#44

Trichloroethene

Concen: Below Cal

RT: 5.67 min Scan# 521

Delta R.T. -0.01 min

Lab File: VF059701.D

Acq: 31 Jul 2018 11:18

Instrument :

MSVOA_F

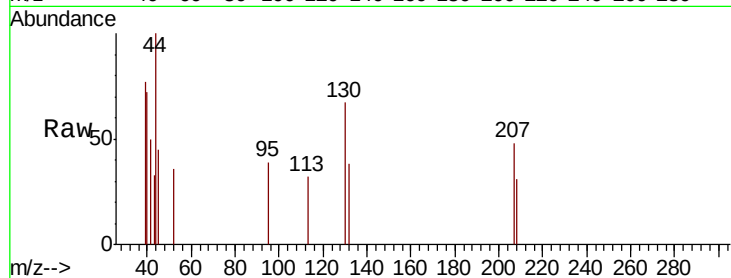
ClientSampleId :

Tot Ion:130 Resp: 320

Ion Ratio Lower Upper

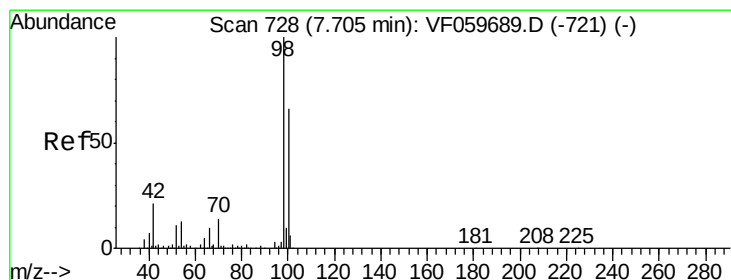
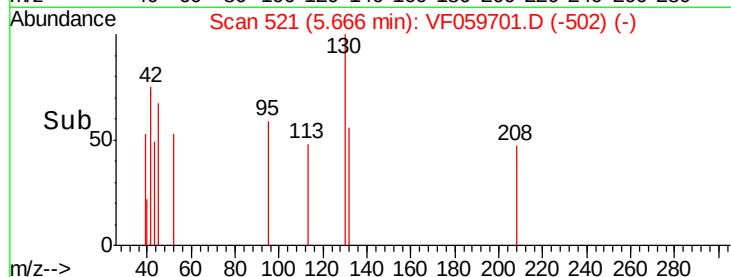
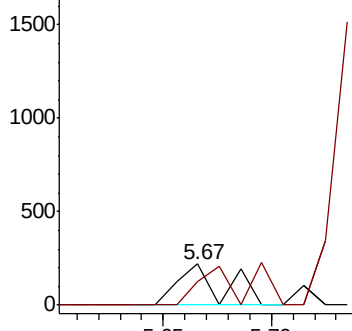
130 100

95 58.6 0.0 191.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0



#50

Toluene-d8

Concen: 48.866 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF059701.D

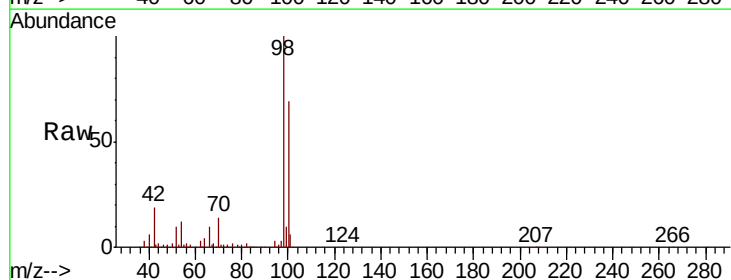
Acq: 31 Jul 2018 11:18

Tgt Ion: 98 Resp: 350598

Ion Ratio Lower Upper

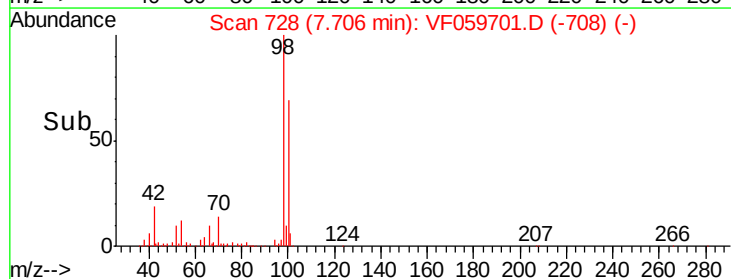
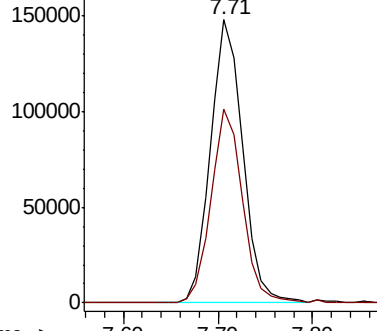
98 100

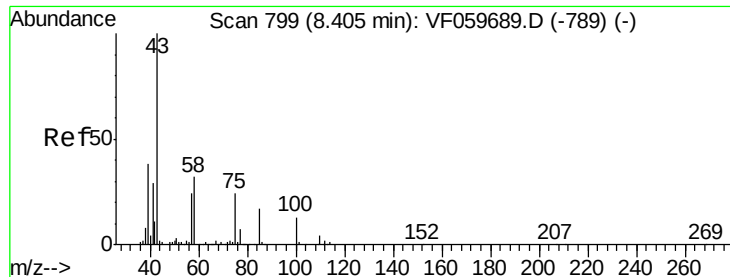
100 68.6 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 4.546 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059701.D

Acq: 31 Jul 2018 11:18

Instrument :

MSVOA_F

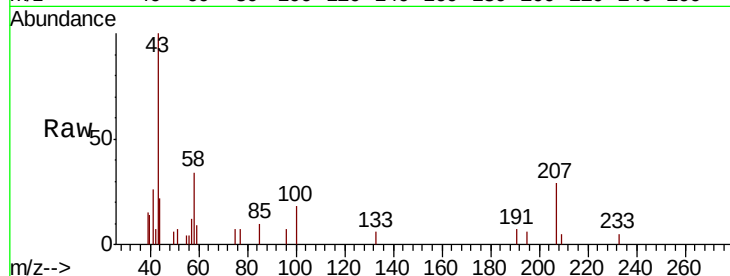
ClientSampled :

Tot Ion: 43 Resp: 6125

Ion Ratio Lower Upper

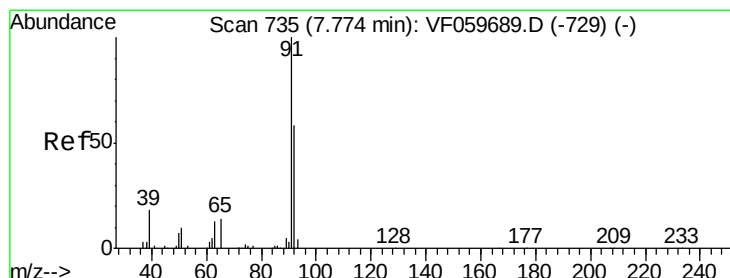
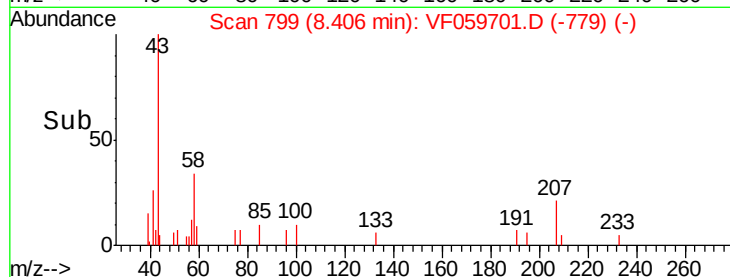
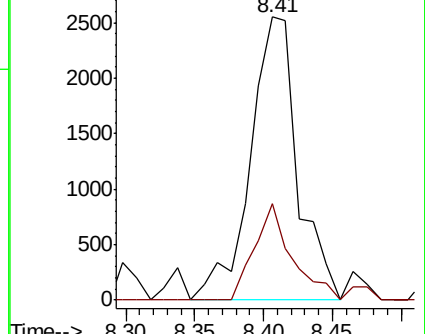
43 100

58 34.0 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: Below Cal

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF059701.D

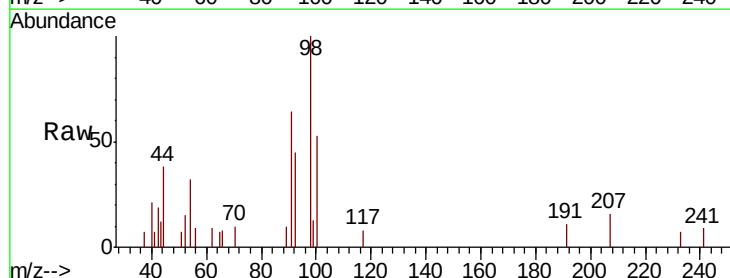
Acq: 31 Jul 2018 11:18

Tgt Ion: 92 Resp: 1018

Ion Ratio Lower Upper

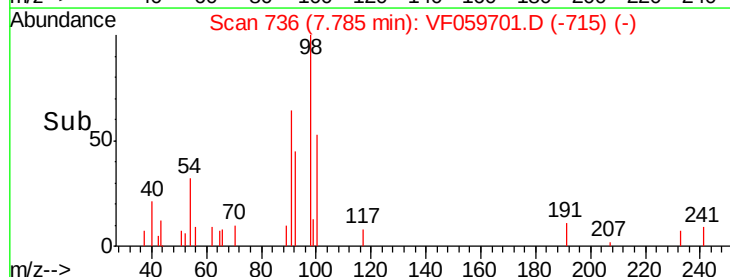
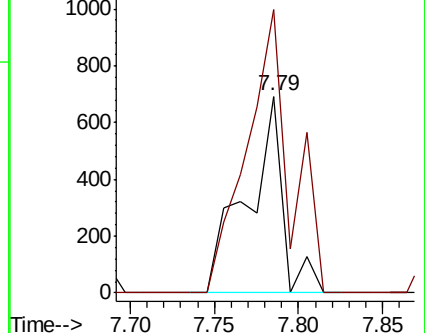
92 100

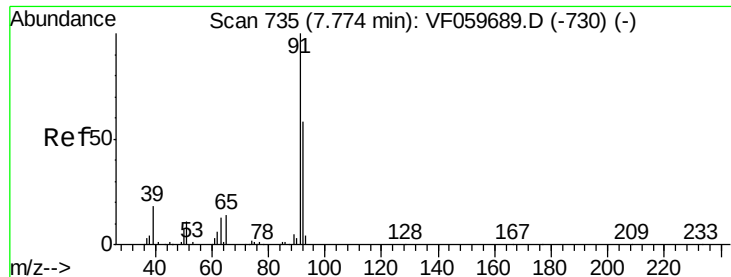
91 143.9 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#58

2-Chloroethyl Vinyl ether

Concen: 1.415 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059701.D

Acq: 31 Jul 2018 11:18

Instrument :

MSVOA_F

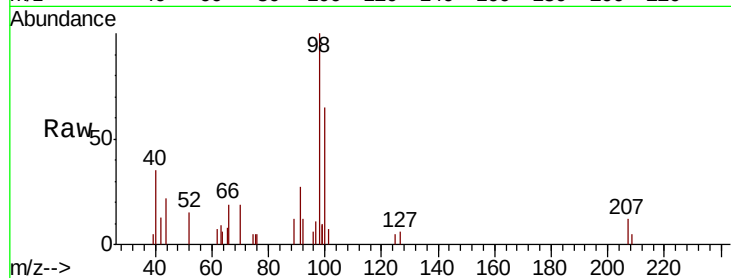
ClientSampled :

Tot Ion: 63 Resp: 276

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

7.78

250

200

150

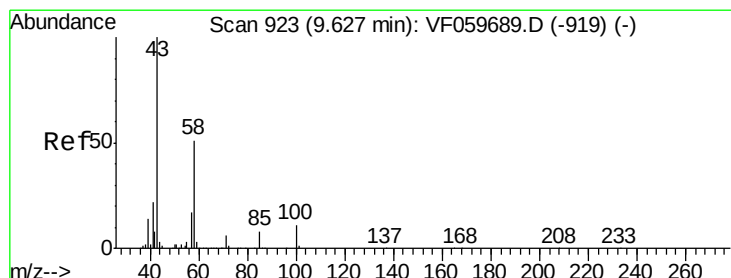
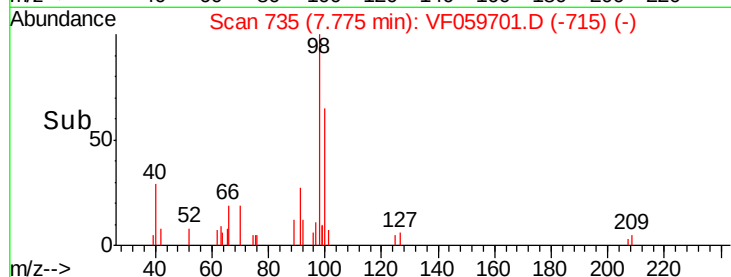
100

50

0

7.75 7.80

Time-->



#59

2-Hexanone

Concen: 14.039 ug/l

RT: 9.63 min Scan# 923

Delta R.T. 0.00 min

Lab File: VF059701.D

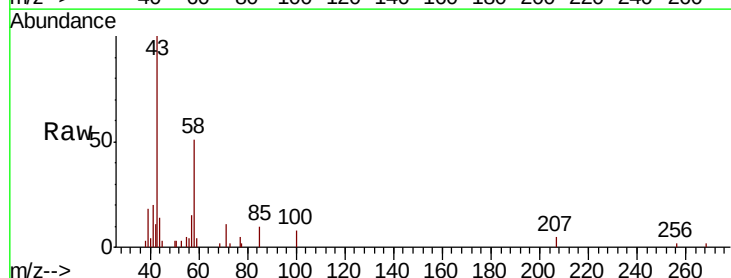
Acq: 31 Jul 2018 11:18

Tgt Ion: 43 Resp: 15158

Ion Ratio Lower Upper

43 100

58 50.5 23.3 69.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.63

6000

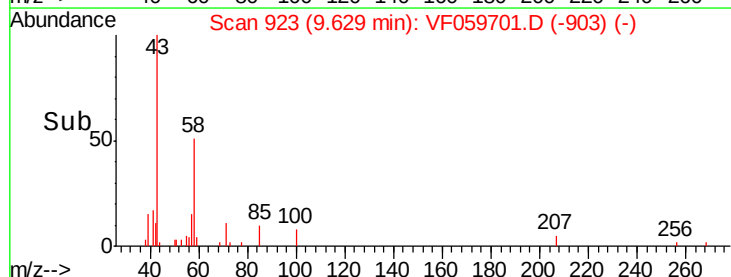
4000

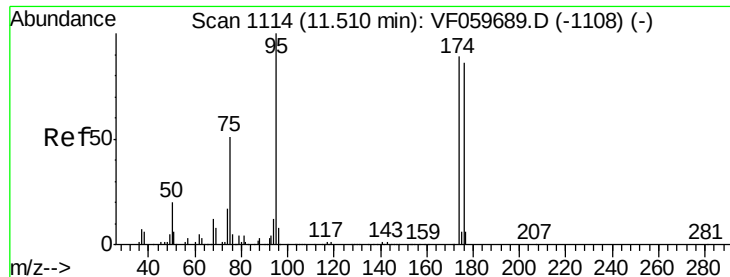
2000

0

9.60 9.65 9.70

Time-->

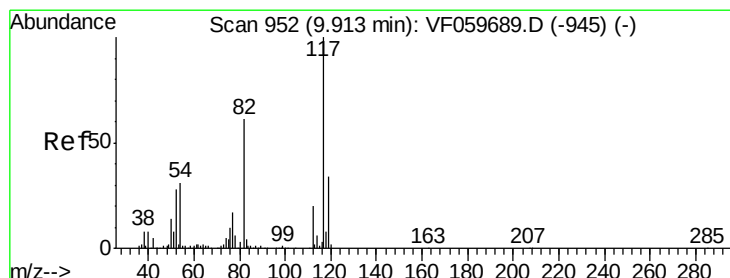
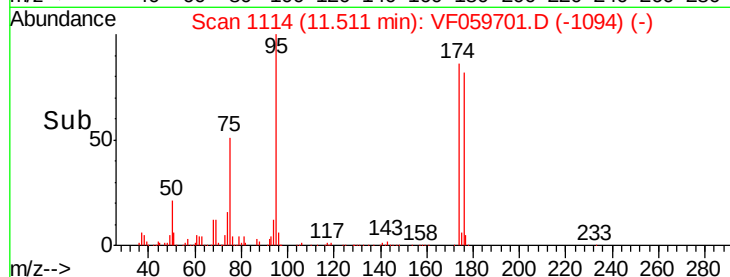
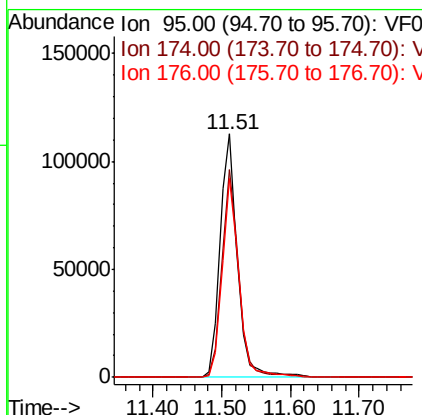
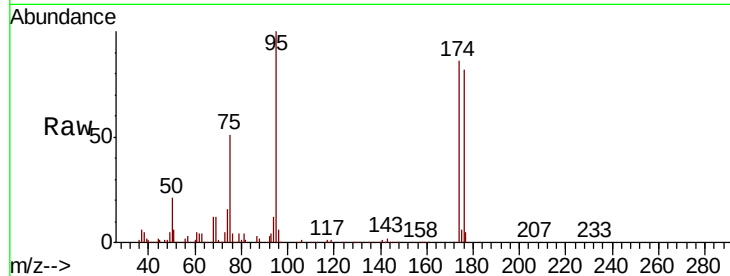




#62
4-Bromofluorobenzene
Concen: 49.690 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VF059701.D
Acq: 31 Jul 2018 11:18

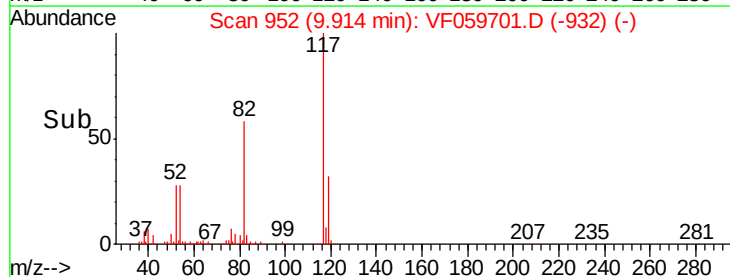
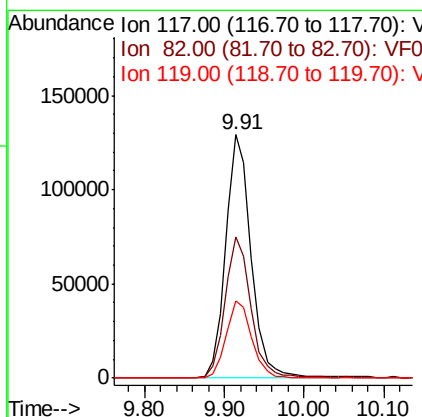
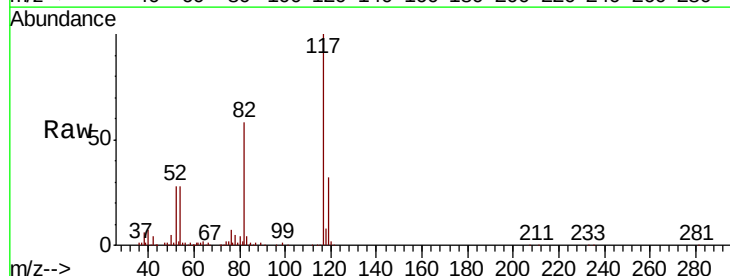
Instrument :
MSVOA_F
ClientSampled :

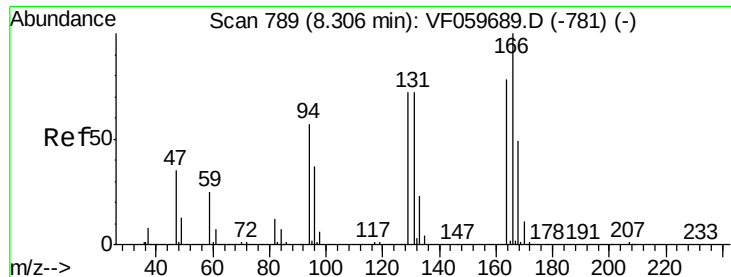
Tot Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	178.4
176	81.5	0.0	173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059701.D
Acq: 31 Jul 2018 11:18

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.1	49.0	73.4
119	32.0	27.3	40.9





#64

Tetrachloroethene

Concen: Below Cal

RT: 8.32 min Scan# 790

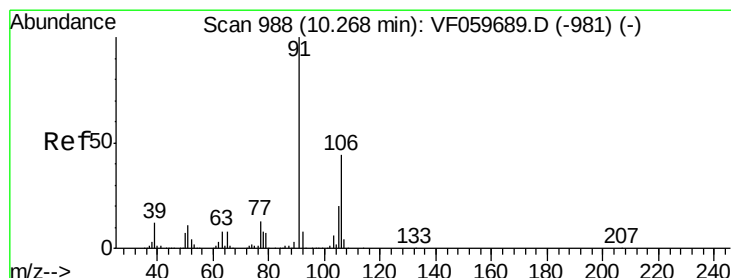
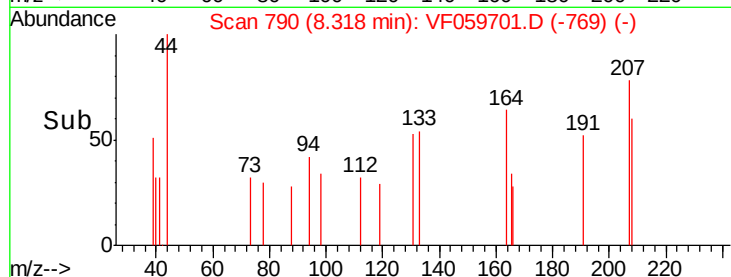
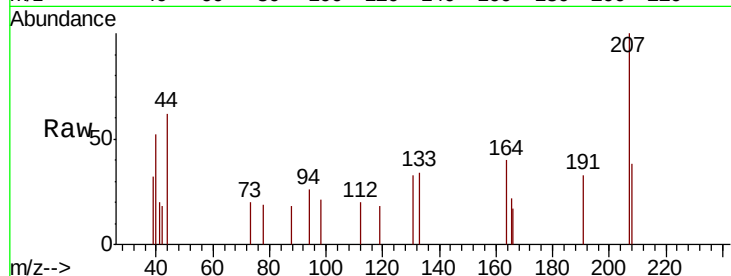
Delta R.T. 0.01 min

Lab File: VF059701.D

Acq: 31 Jul 2018 11:18

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	164	Resp:	332
Ion	Ratio	Lower	Upper
164	100		
166	42.9	102.1	153.1#
129	0.0	73.8	110.6#
131	82.5	73.1	109.7



#68

m/p-Xylenes

Concen: Below Cal

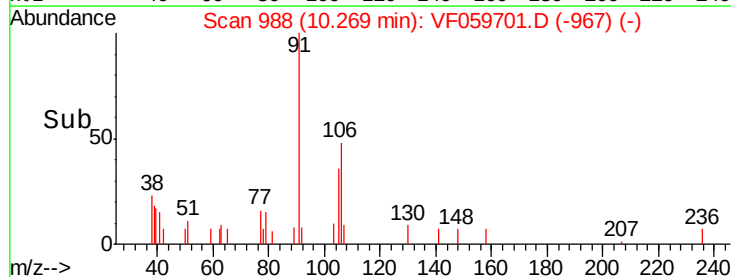
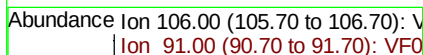
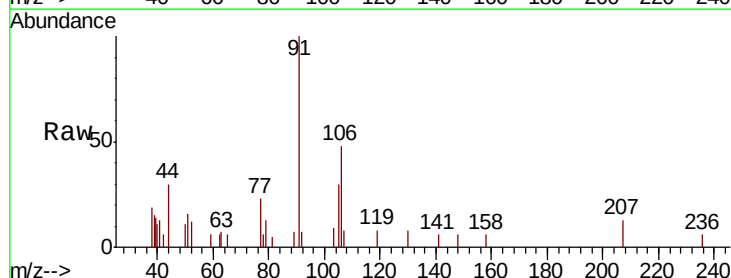
RT: 10.27 min Scan# 988

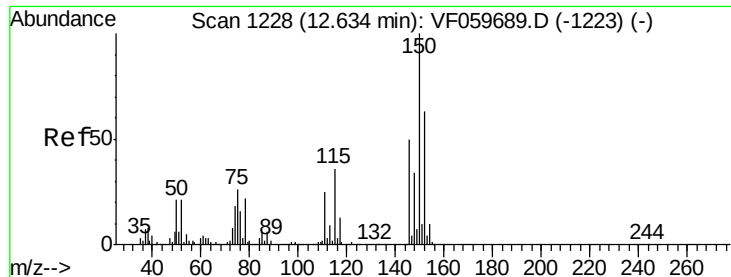
Delta R.T. 0.00 min

Lab File: VF059701.D

Acq: 31 Jul 2018 11:18

Tgt Ion:	106	Resp:	1567
Ion	Ratio	Lower	Upper
106	100		
91	208.1	181.7	272.5



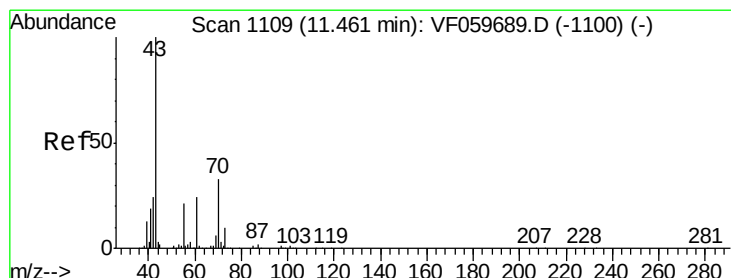
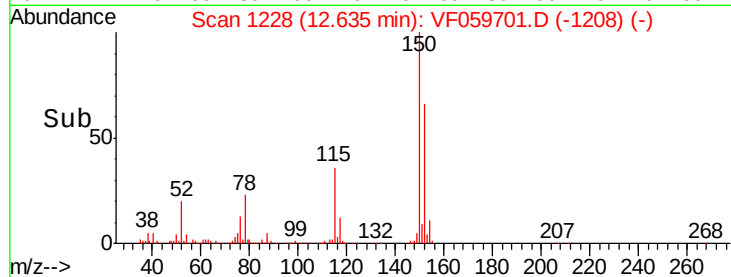
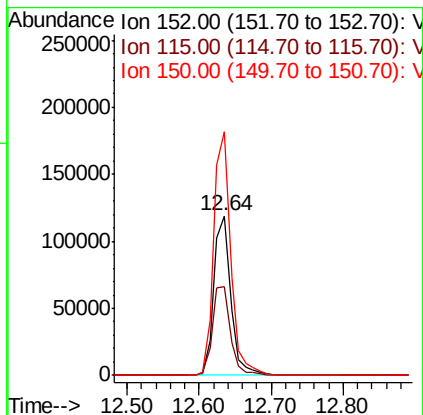
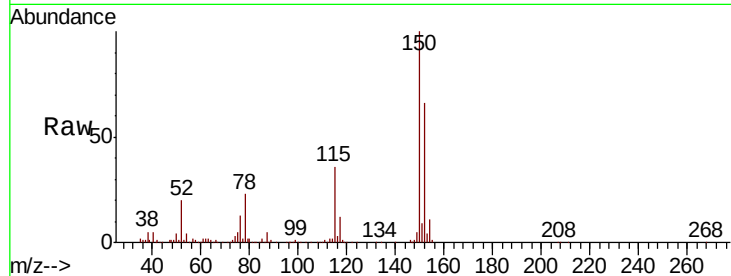


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059701.D
Acq: 31 Jul 2018 11:18

Instrument :
MSVOA_F
ClientSampled :

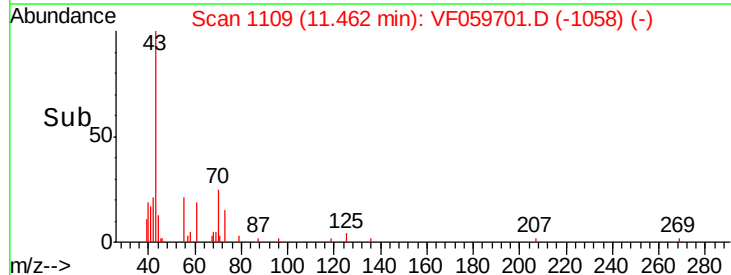
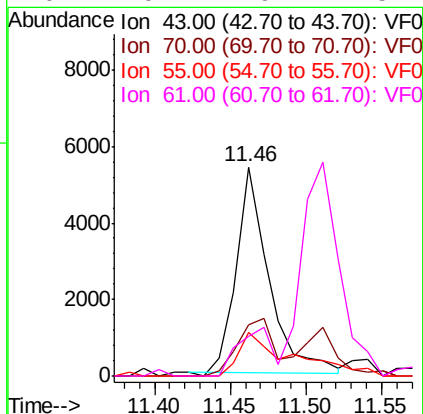
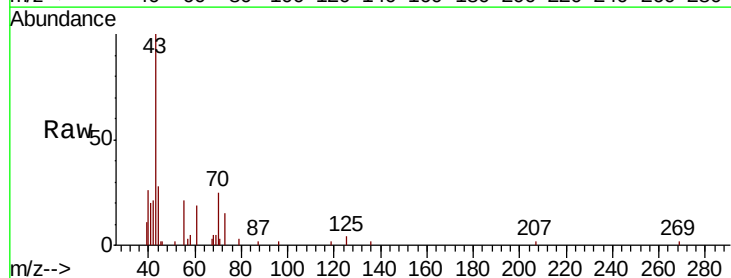
Tot Ion:152 Resp: 191782
Ion Ratio Lower Upper
152 100
115 55.5 28.2 84.6
150 152.5 0.0 316.2

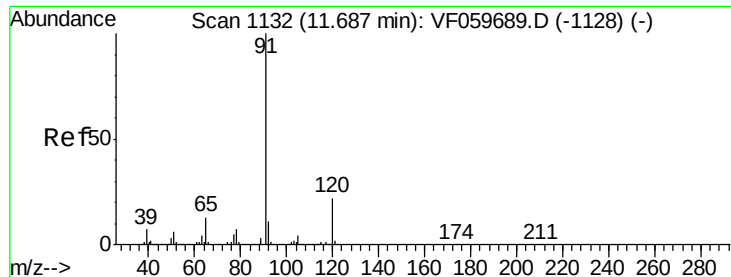


#74

N-amyl acetate
Concen: 2.512 ug/l
RT: 11.46 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VF059701.D
Acq: 31 Jul 2018 11:18

Tgt Ion: 43 Resp: 7975
Ion Ratio Lower Upper
43 100
70 24.6 26.3 39.5#
55 20.8 16.6 25.0
61 19.2 19.1 28.7





#78

n-propylbenzene

Concen: Below Cal

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059701.D

Acq: 31 Jul 2018 11:18

Instrument :

MSVOA_F

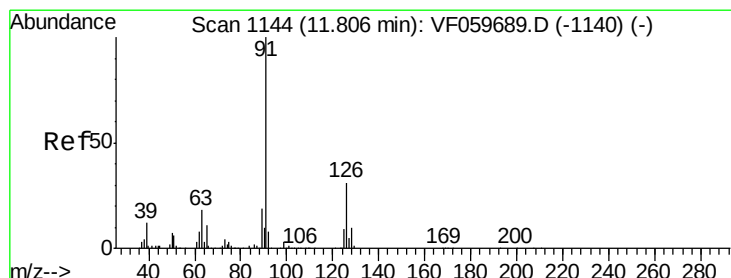
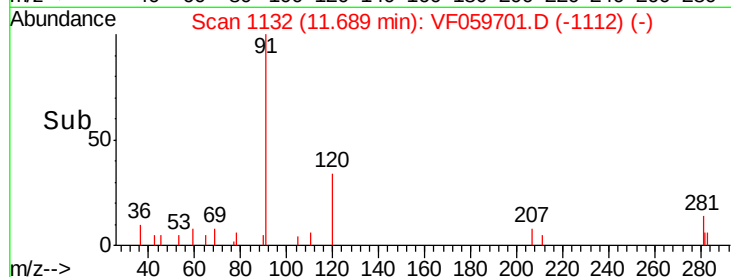
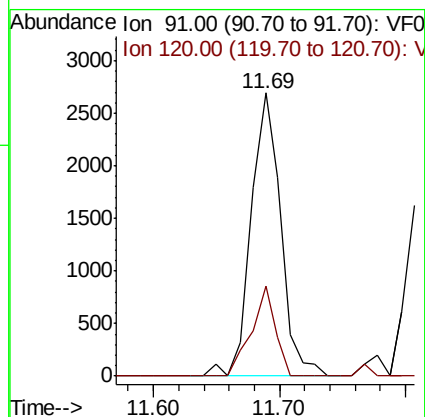
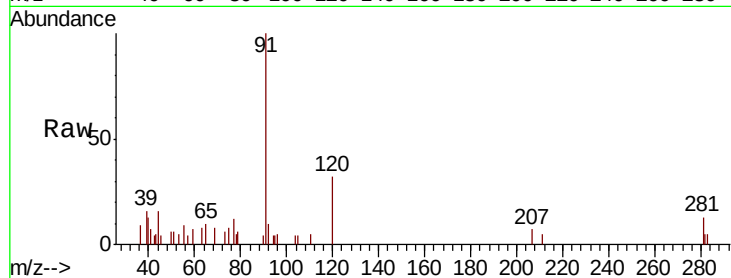
ClientSampleId :

Tot Ion: 91 Resp: 4402

Ion Ratio Lower Upper

91 100

120 32.0 11.0 33.0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF059701.D

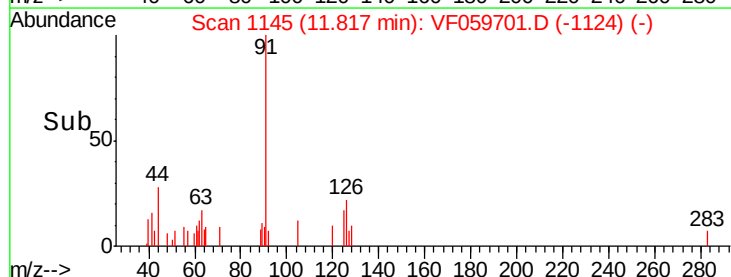
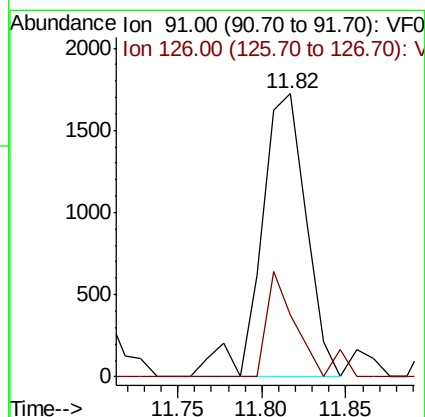
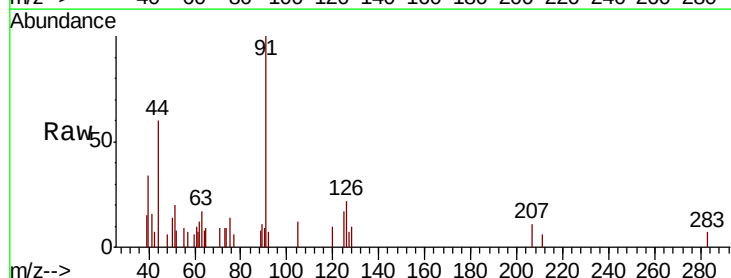
Acq: 31 Jul 2018 11:18

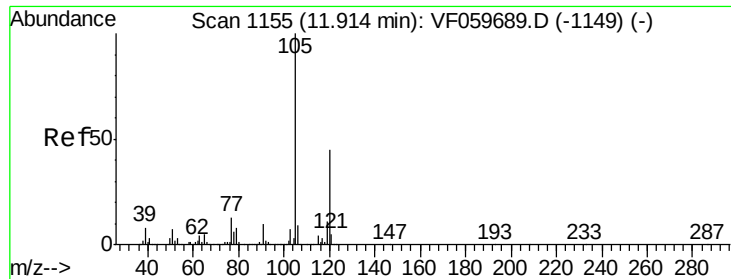
Tgt Ion: 91 Resp: 3210

Ion Ratio Lower Upper

91 100

126 22.0 15.4 46.2

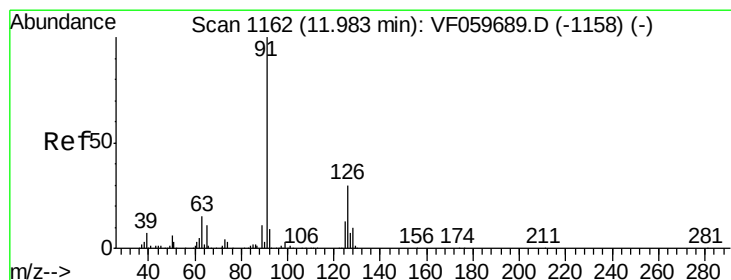
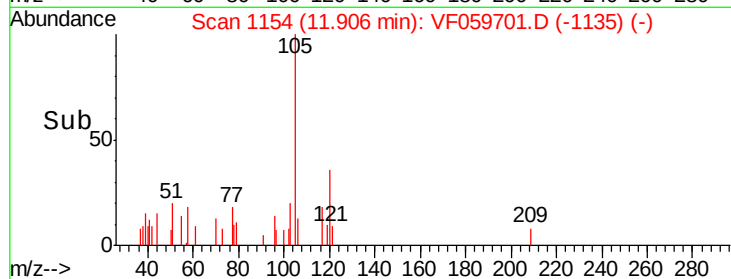
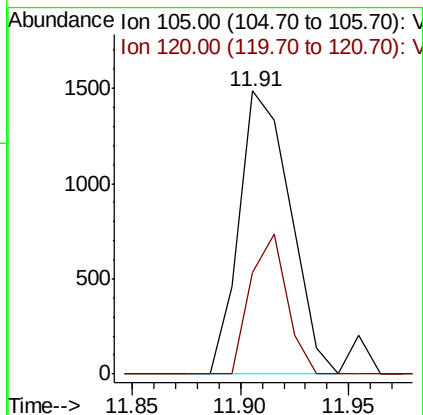
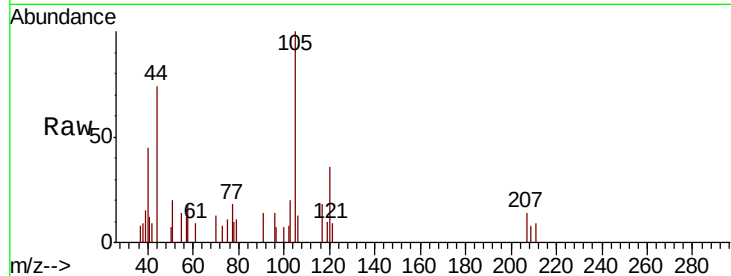




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: VF059701.D
 Acq: 31 Jul 2018 11:18

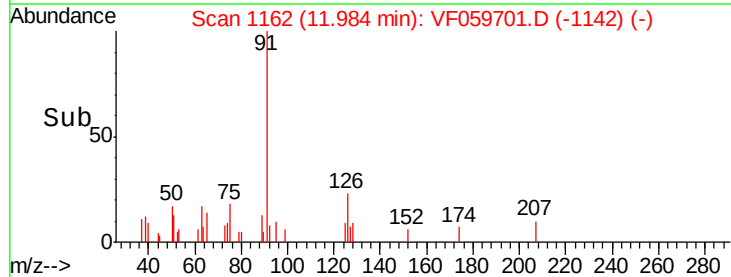
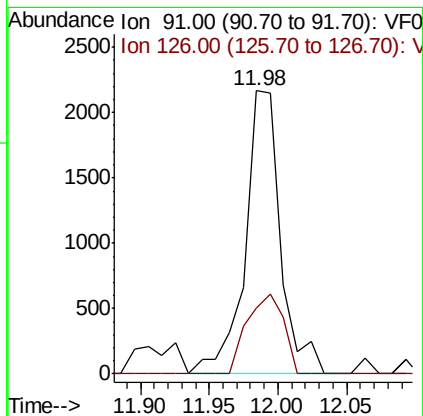
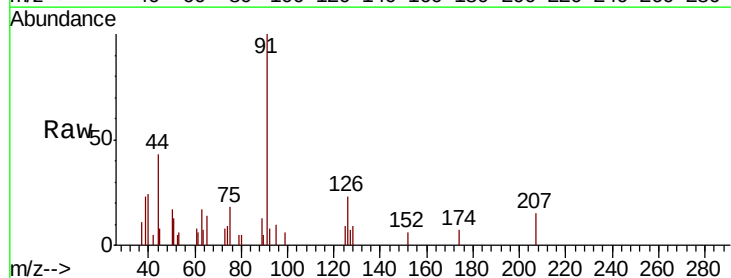
Instrument :
 MSVOA_F
 ClientSampleId :

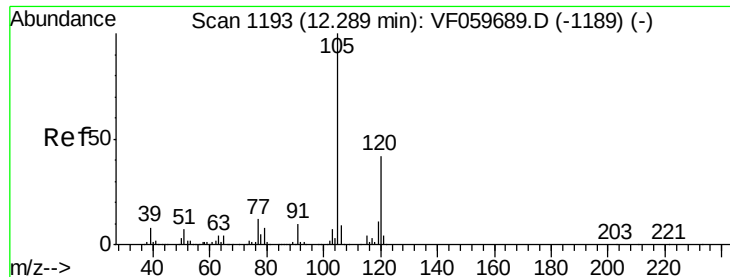
Tot Ion:105 Resp: 2467
 Ion Ratio Lower Upper
 105 100
 120 35.9 22.7 68.0



#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 11.98 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VF059701.D
 Acq: 31 Jul 2018 11:18

Tgt Ion: 91 Resp: 3915
 Ion Ratio Lower Upper
 91 100
 126 23.3 15.2 45.6

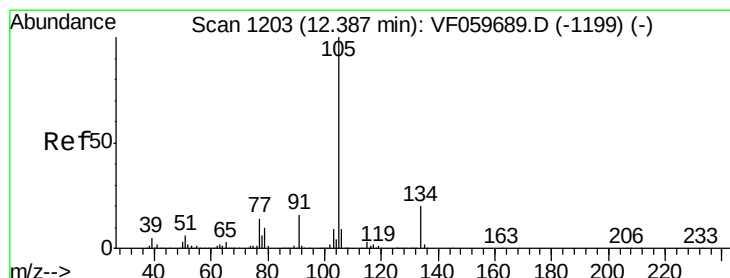
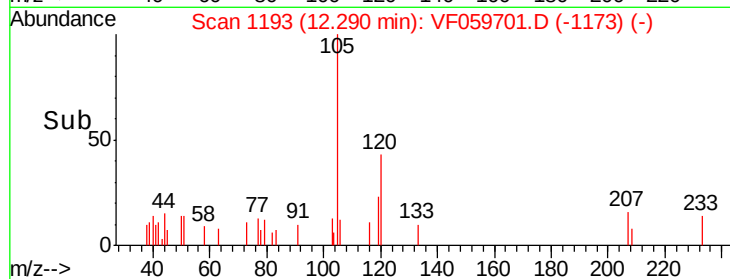
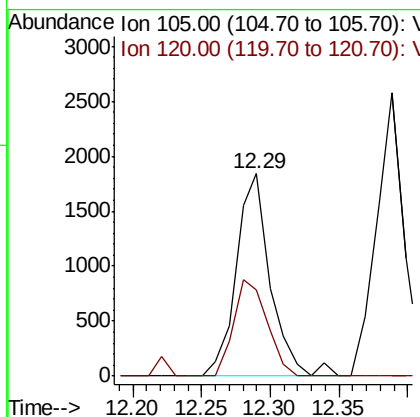
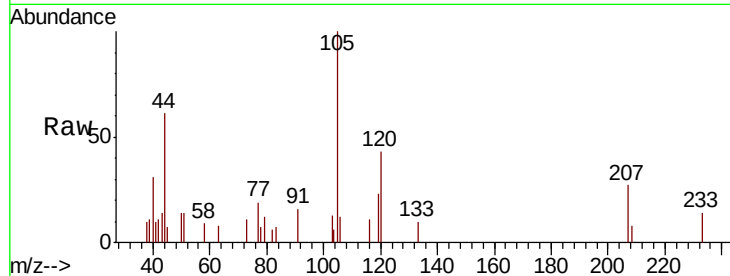




#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059701.D
 Acq: 31 Jul 2018 11:18

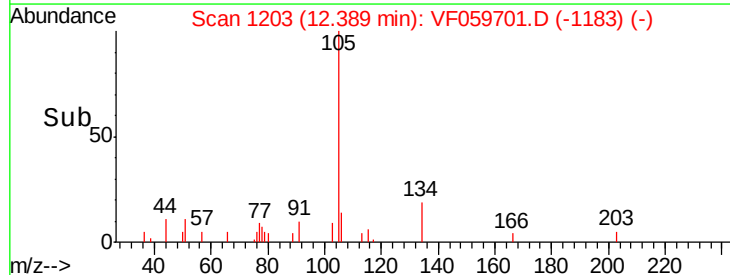
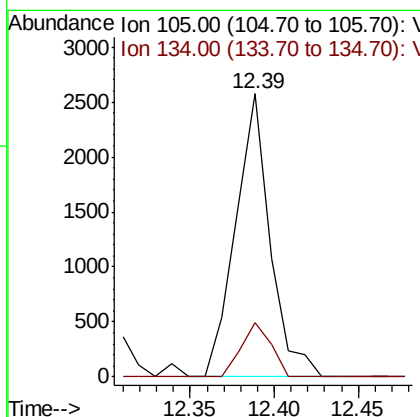
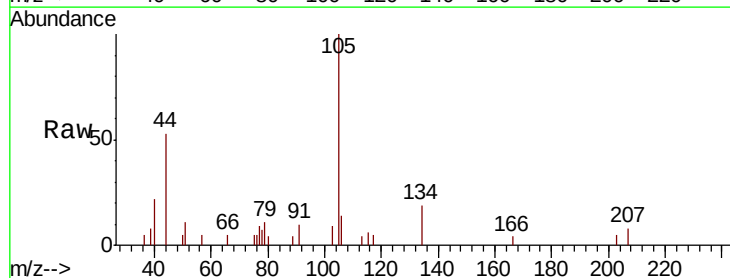
Instrument :
 MSVOA_F
 ClientSampleId :

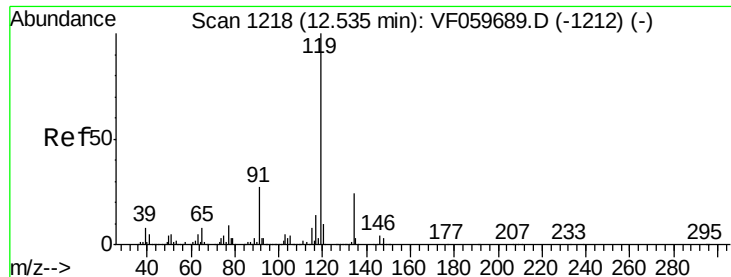
Tot Ion:105 Resp: 3181
 Ion Ratio Lower Upper
 105 100
 120 42.7 21.1 63.3



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059701.D
 Acq: 31 Jul 2018 11:18

Tgt Ion:105 Resp: 3656
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.8 29.3

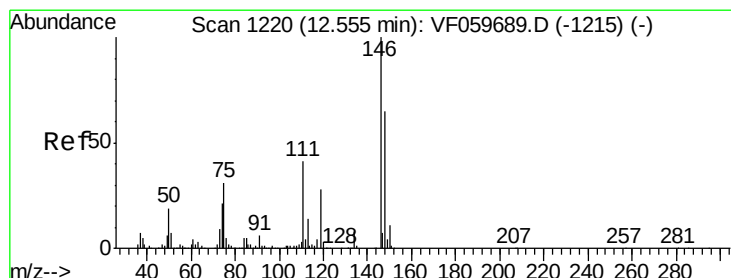
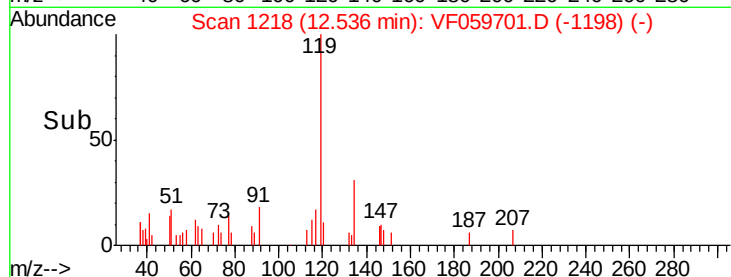
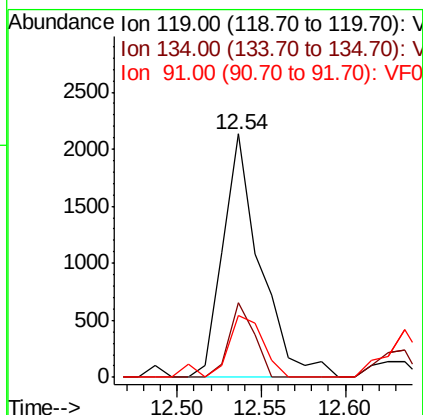
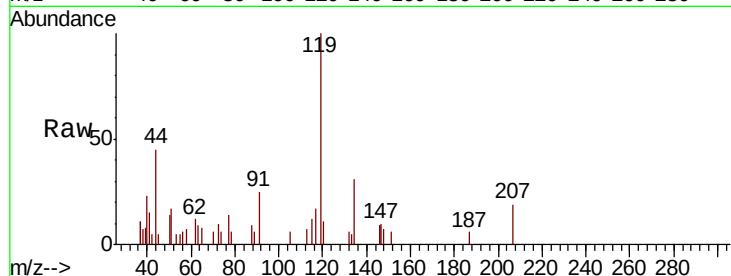




#86
p-Isopropyltoluene
Concen: Below Cal
RT: 12.54 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VF059701.D
Acq: 31 Jul 2018 11:18

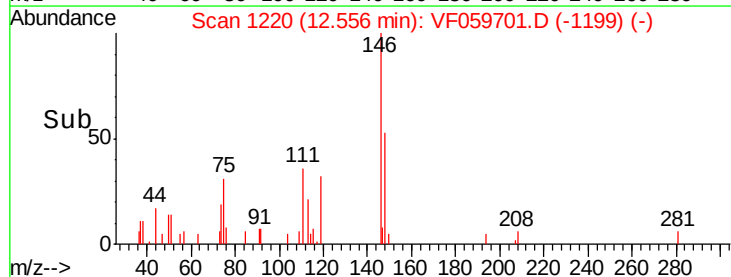
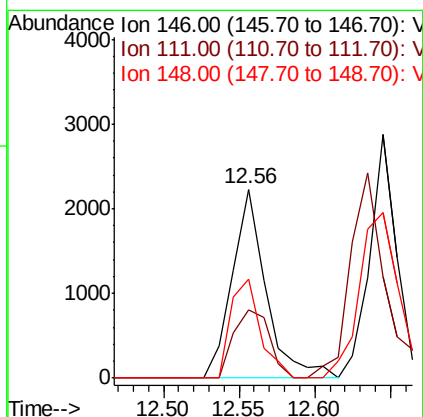
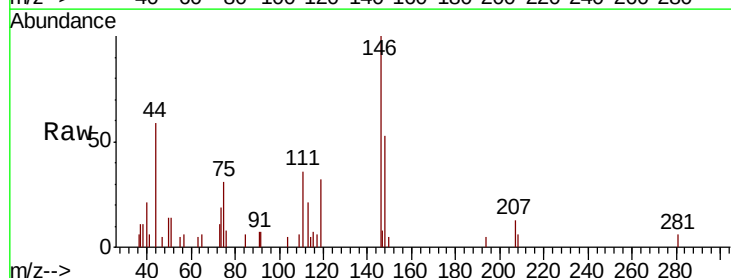
Instrument :
MSVOA_F
ClientSampleId :

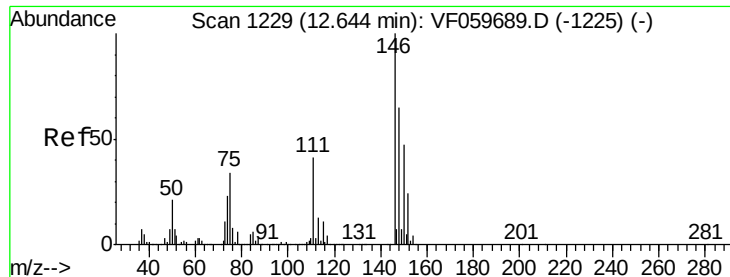
Tot Ion	Ratio	Lower	Upper
119	100		
134	30.6	12.2	36.6
91	25.3	13.4	40.2



#87
1,3-Dichlorobenzene
Concen: Below Cal
RT: 12.56 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VF059701.D
Acq: 31 Jul 2018 11:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	20.7	62.1
148	52.5	32.3	96.8

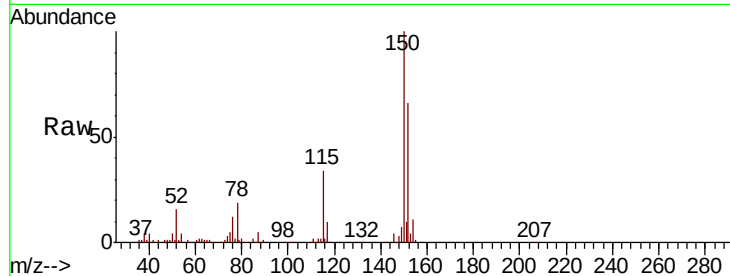




#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059701.D
 Acq: 31 Jul 2018 11:18

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.2
148	67.9	32.3	96.9

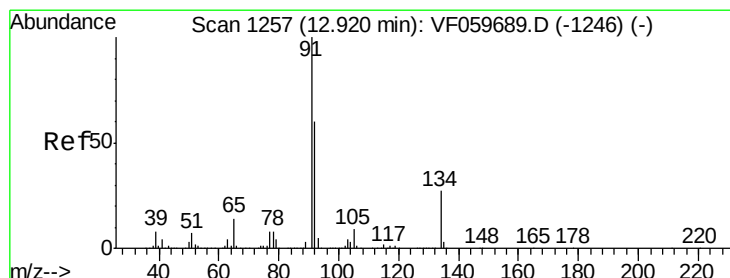
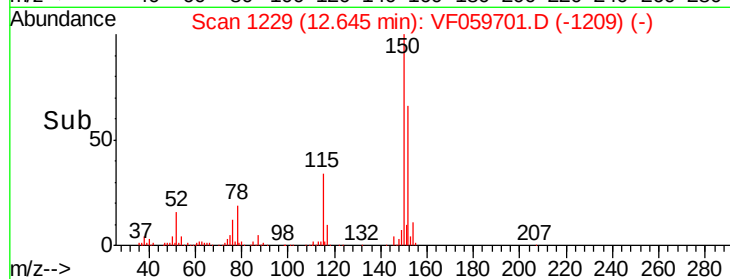
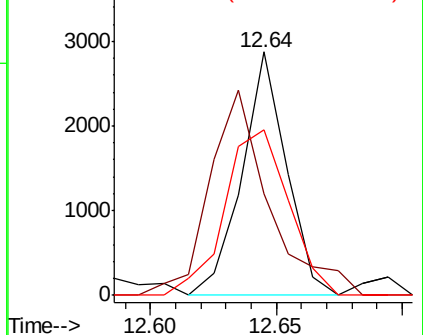


Abundance

Ion 146.00 (145.70 to 146.70): V

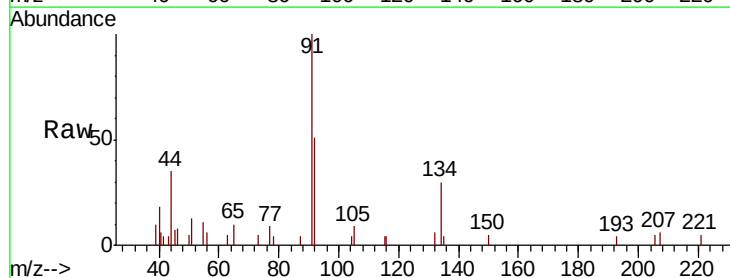
Ion 111.00 (110.70 to 111.70): V

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: VF059701.D
 Acq: 31 Jul 2018 11:18

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.7	30.1	90.3
134	29.6	13.7	41.0

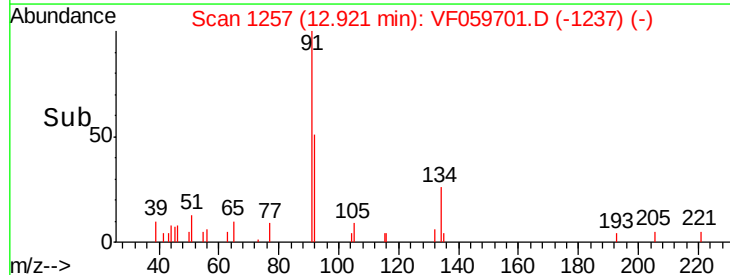
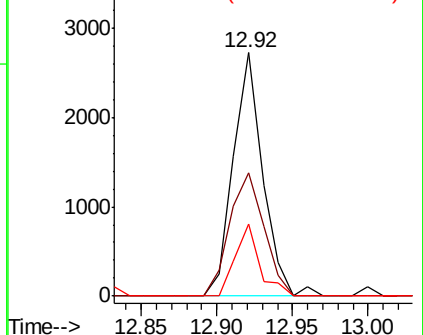


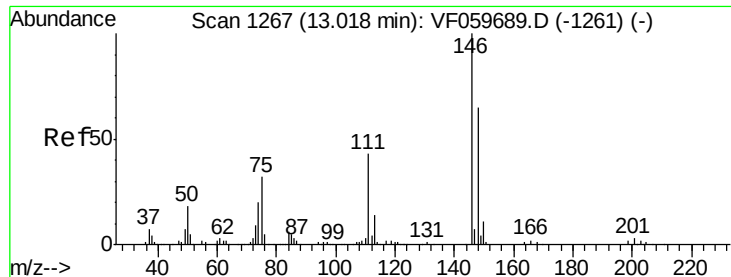
Abundance

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

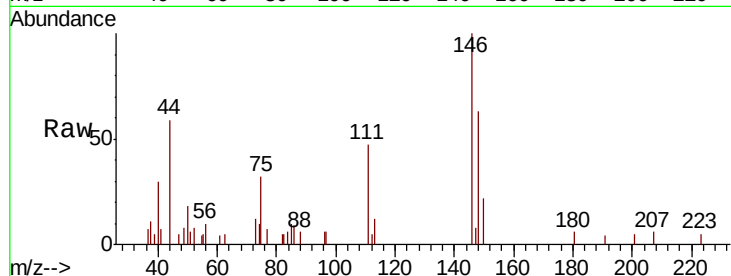




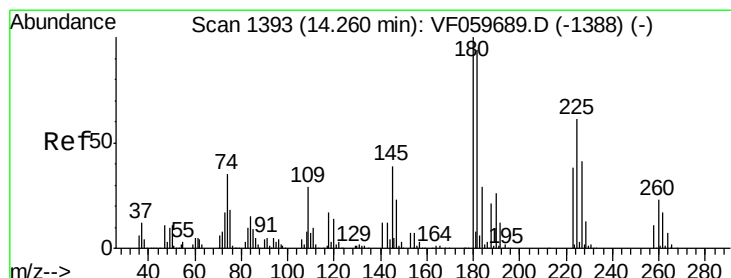
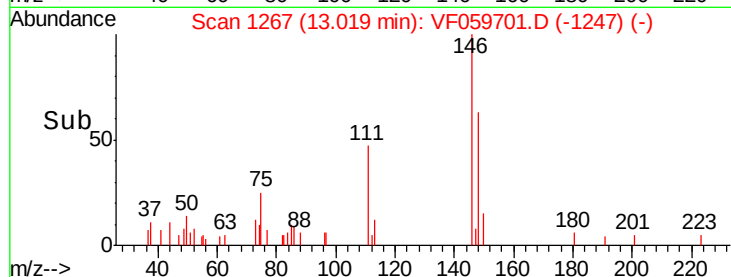
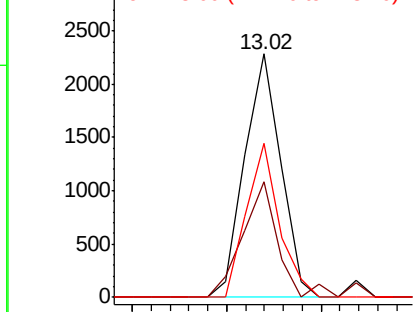
#91
1,2-Dichlorobenzene
Concen: Below Cal
RT: 13.02 min Scan# 1267
Delta R.T. 0.00 min
Lab File: VF059701.D
Acq: 31 Jul 2018 11:18

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:146 Resp: 3030
Ion Ratio Lower Upper
146 100
111 47.3 21.6 65.0
148 63.4 32.3 96.9

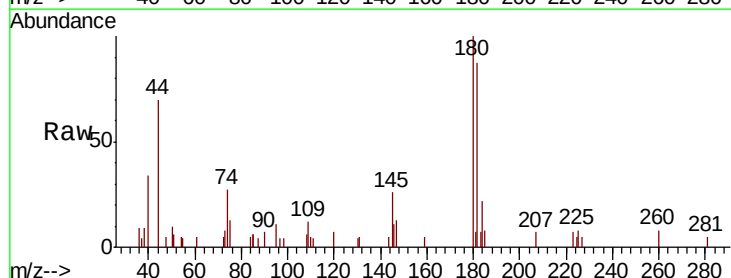


Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

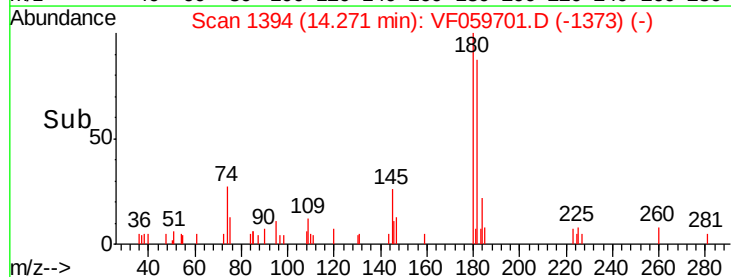
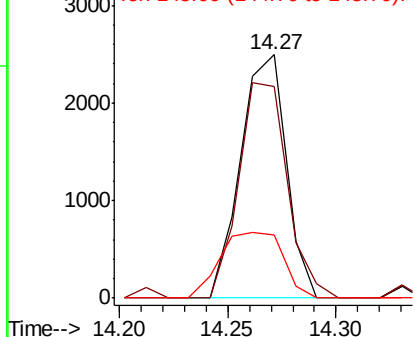


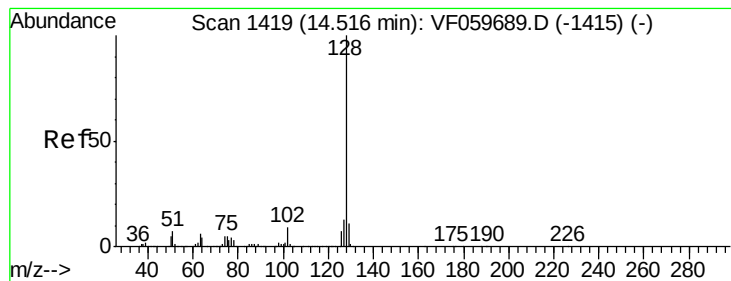
#93
1,2,4-Trichlorobenzene
Concen: Below Cal
RT: 14.27 min Scan# 1394
Delta R.T. 0.01 min
Lab File: VF059701.D
Acq: 31 Jul 2018 11:18

Tgt Ion:180 Resp: 3662
Ion Ratio Lower Upper
180 100
182 86.9 47.2 141.6
145 26.1 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





#95

Naphthalene

Concen: 1.581 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF059701.D

Acq: 31 Jul 2018 11:18

Instrument :

MSVOA_F

ClientSampleId :

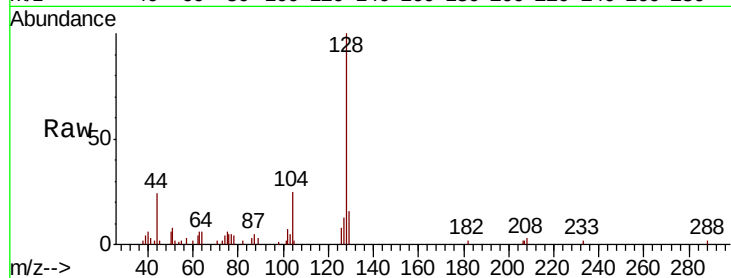
Tot Ion:128 Resp: 13073

Ion Ratio Lower Upper

128 100

127 13.3 10.0 15.0

129 16.0 8.6 13.0#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

