

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072418\
 Data File : VF059654.D
 Acq On : 25 Jul 2018 2:18
 Operator : VA/AP
 Sample : J4110-01
 Misc : 5.36a/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 25 05:13:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 02:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	190331	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.76	114	288654	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	112334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	39359	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	172808	65.16	ug/l	0.00
Spiked Amount			Recovery	=	130.32%	
35) Dibromofluoromethane	4.29	113	163347	62.88	ug/l	0.01
Spiked Amount			Recovery	=	125.76%	
50) Toluene-d8	7.71	98	173152	27.35	ug/l	0.01
Spiked Amount			Recovery	=	54.70%	
62) 4-Bromofluorobenzene	11.51	95	158786	48.80	ug/l	0.01
Spiked Amount			Recovery	=	97.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.21	50	557	Below Cal		95
5) Bromomethane	1.35	94	466	Below Cal	#	3
9) 1,1,2-Trichlorotrifluoroet	1.87	101	59	Below Cal	#	17
11) Tert butyl alcohol	2.68	59	376	3.807	ug/l #	1
12) 1,1-Dichloroethene	1.82	96	70	Below Cal	#	1
13) Acrolein	2.13	56	513	10.594	ug/l	85
15) Acrylonitrile	3.05	53	1210	7.118	ug/l #	28
16) Acetone	2.32	43	3036	7.356	ug/l	95
17) Carbon Disulfide	1.86	76	717	Below Cal	#	29
18) Methyl Acetate	2.47	43	11261	15.329	ug/l #	71
25) 2-Butanone	4.52	43	7903	17.245	ug/l #	61
26) 2,2-Dichloropropane	3.74	77	196	Below Cal	#	63
28) Bromochloromethane	3.83	49	74	Below Cal	#	11
29) Tetrahydrofuran	4.18	42	9954	35.277	ug/l #	45
30) Chloroform	4.03	83	4862	1.138	ug/l #	81
31) Cyclohexane	3.87	56	9697	5.409	ug/l #	82
37) Ethyl Acetate	4.17	43	38748	37.053	ug/l #	1
39) Methylcyclohexane	5.62	83	128655	53.638	ug/l	92
41) Methacrylonitrile	4.84	41	121203	219.101	ug/l #	46
43) Isopropyl Acetate	7.17	43	24198	18.604	ug/l #	55
48) Methyl methacrylate	6.97	41	212454	221.891	ug/l #	45
49) 1,4-Dioxane	6.89	88	80	10.858	ug/l #	1
51) 4-Methyl-2-Pentanone	8.43	43	347993	364.025	ug/l #	46
52) Toluene	7.78	92	1440	Below Cal	#	38
55) 1,1,2-Trichloroethane	8.53	97	32794	26.885	ug/l #	26
56) Ethyl methacrylate	8.77	69	480617	368.603	ug/l #	87
58) 2-Chloroethyl Vinyl ether	7.75	63	3129	18.696	ug/l	100
59) 2-Hexanone	9.67	43	26265	35.978	ug/l #	39
65) Chlorobenzene	9.89	112	11064	5.316	ug/l #	42
67) Ethyl Benzene	10.03	91	3780	1.011	ug/l #	58
68) m/p-Xylenes	10.27	106	138312	103.507	ug/l	98
69) o-Xylene	10.83	106	352058	247.500	ug/l	98
70) Styrene	10.83	104	19155	9.325	ug/l #	1
73) Isopropylbenzene	11.23	105	38158	15.426	ug/l	95

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 ALS Vial : 100 Sample Multiplier: 1

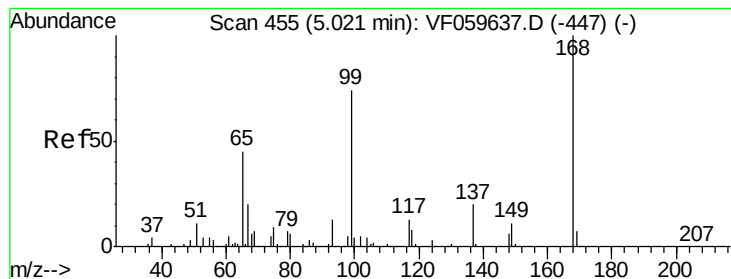
Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 25 05:13:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

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

74) N-amyl acetate	11.49	43	305101	575.218	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	11.78	83	220299	588.083	ug/l #	1
76) 1,2,3-Trichloropropane	11.93	75	17789	57.492	ug/l #	1
78) n-propylbenzene	11.69	91	38368	13.030	ug/l	84
79) 2-Chlorotoluene	11.81	91	451137	254.573	ug/l #	45
80) 1,3,5-Trimethylbenzene	11.93	105	1496431	680.923	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.93	75	17789	93.402	ug/l #	1
82) 4-Chlorotoluene	11.93	91	167898	88.786	ug/l #	44
83) tert-Butylbenzene	12.22	119	26665	12.035	ug/l #	59
84) 1,2,4-Trimethylbenzene	12.29	105	1776081	787.405	ug/l	99
85) sec-Butylbenzene	12.39	105	373300	126.373	ug/l	88
86) p-Isopropyltoluene	12.52	119	1587761	617.422	ug/l	94
87) 1,3-Dichlorobenzene	12.55	146	494	Below Cal	#	1
89) n-Butylbenzene	12.91	91	404534	197.963	ug/l #	1
90) Hexachloroethane	13.01	117	127450	203.167	ug/l #	67
92) 1,2-Dibromo-3-Chloropropan	13.69	75	11533	119.393	ug/l #	21
93) 1,2,4-Trichlorobenzene	14.26	180	7036	3.557	ug/l #	1
95) Naphthalene	14.53	128	34419	24.564	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.71	180	33583	42.035	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

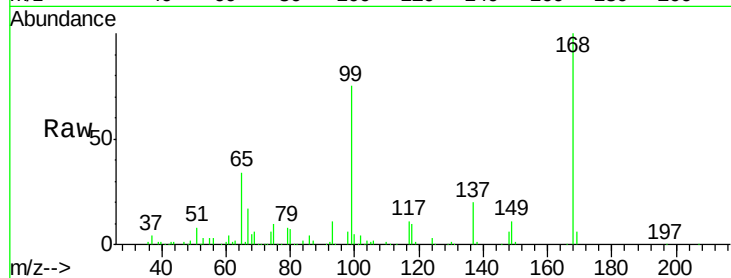
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 190331

Ion Ratio Lower Upper

168 100

99 75.3 59.5 89.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

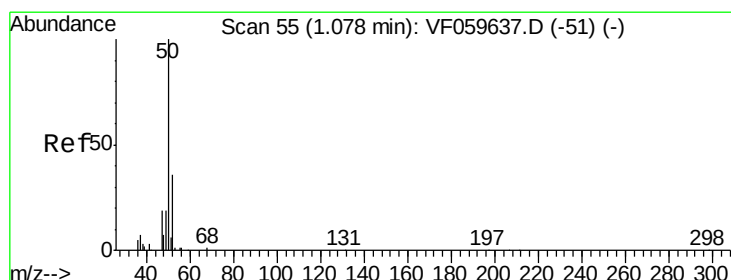
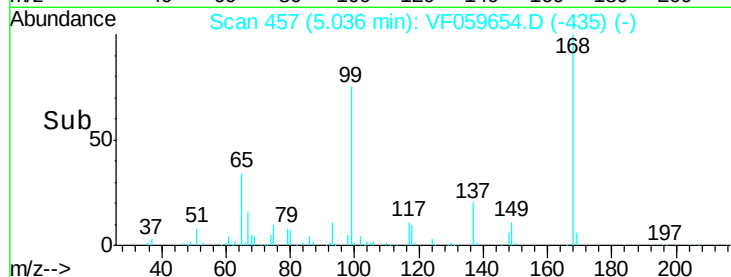
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: Below Cal

RT: 1.21 min Scan# 69

Delta R.T. 0.13 min

Lab File: VF059654.D

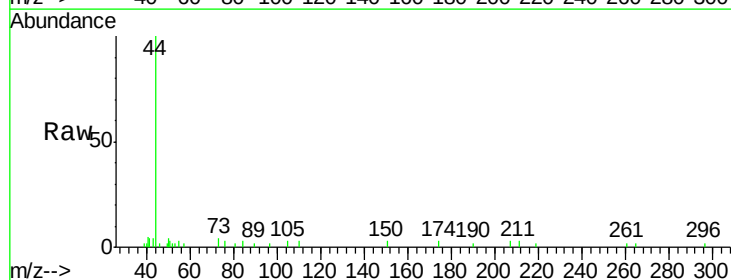
Acq: 25 Jul 2018 2:18

Tgt Ion: 50 Resp: 557

Ion Ratio Lower Upper

50 100

52 32.4 28.0 42.0



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.21

400

300

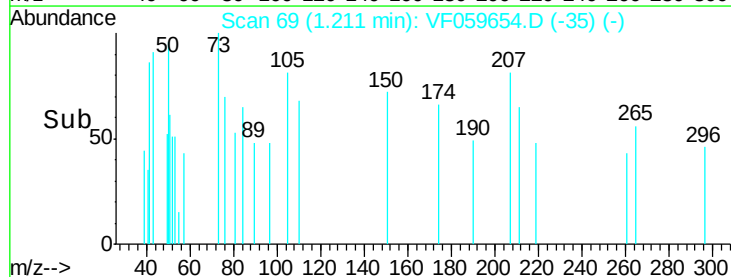
200

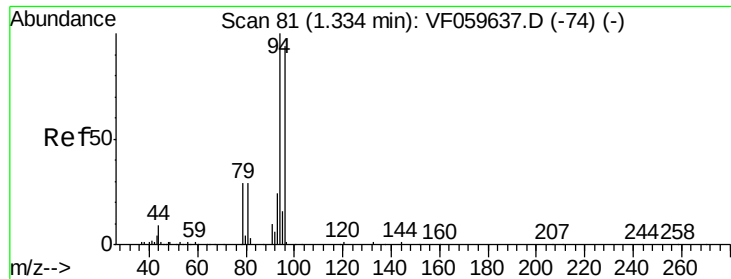
100

0

Time-->

1.15 1.20 1.25





#5

Bromomethane

Concen: Below Cal

RT: 1.35 min Scan# 83

Delta R.T. 0.01 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

Instrument :

MSVOA_F

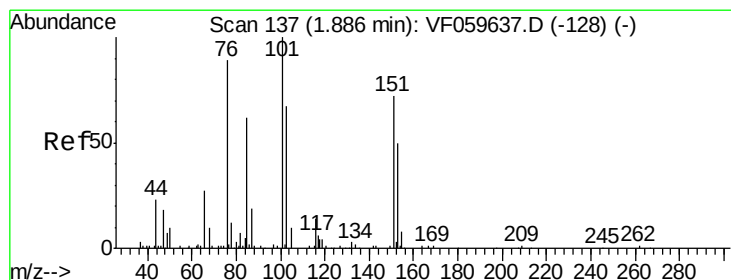
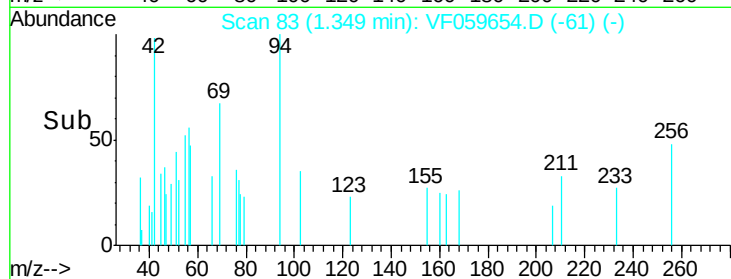
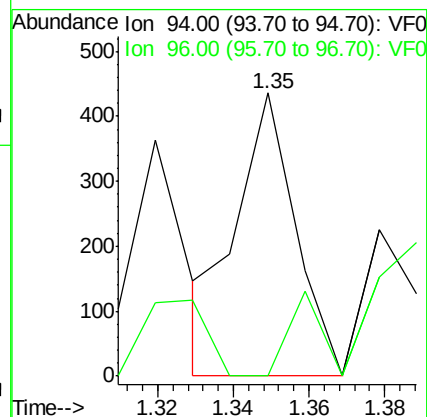
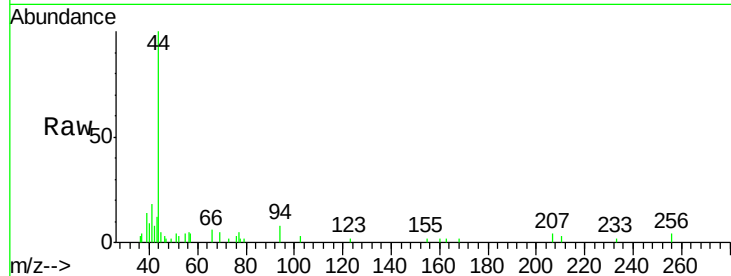
ClientSampled :

Tot Ion: 94 Resp: 466

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



#9

1,1,2-Trichlorotrifluoroethane

Concen: Below Cal

RT: 1.87 min Scan# 136

Delta R.T. -0.01 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

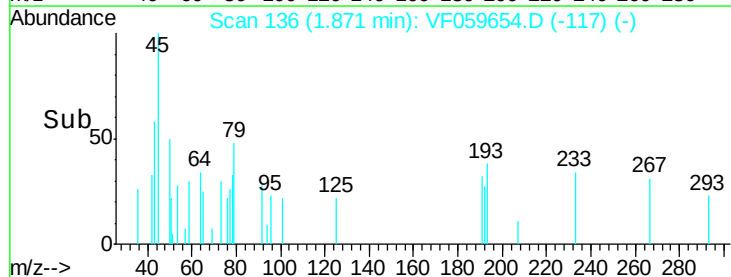
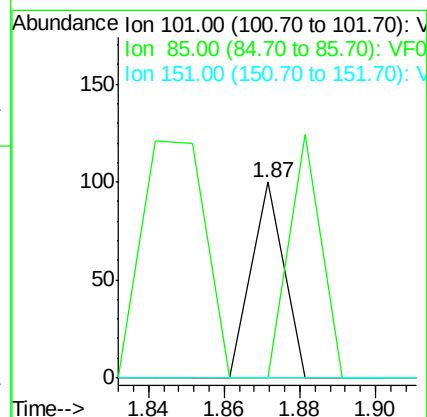
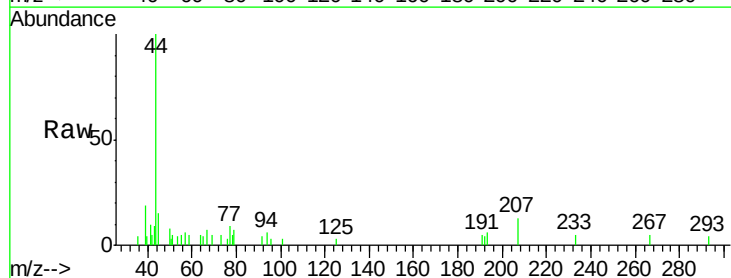
Tgt Ion: 101 Resp: 59

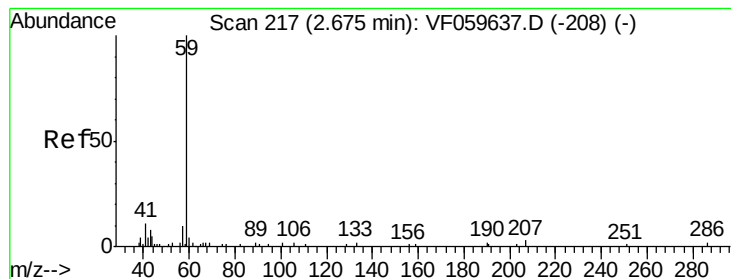
Ion Ratio Lower Upper

101 100

85 0.0 49.0 73.4#

151 0.0 56.8 85.2#



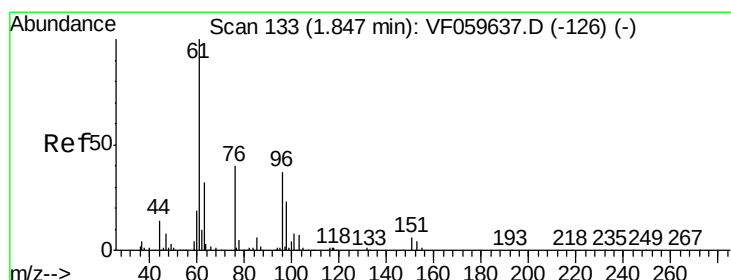
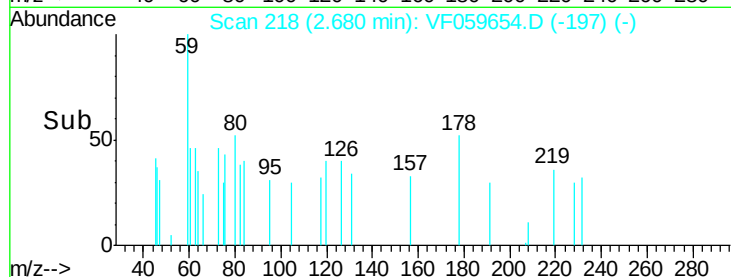
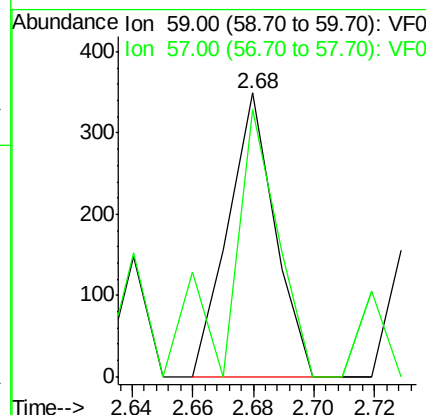
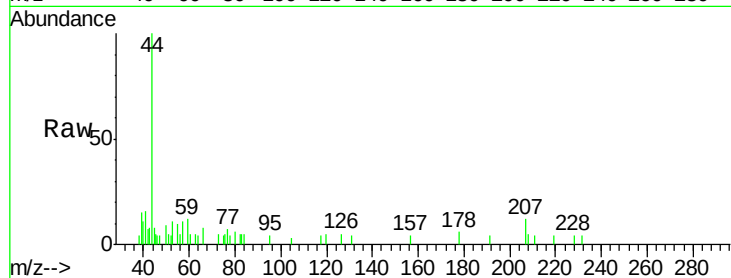


#11

Tert butyl alcohol
Concen: 3.807 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059654.D
Acq: 25 Jul 2018 2:18

Instrument :
MSVOA_F
ClientSampled :

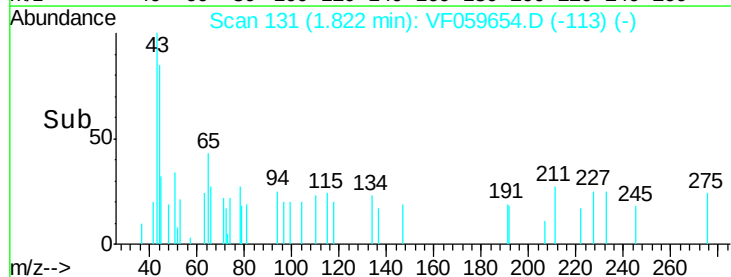
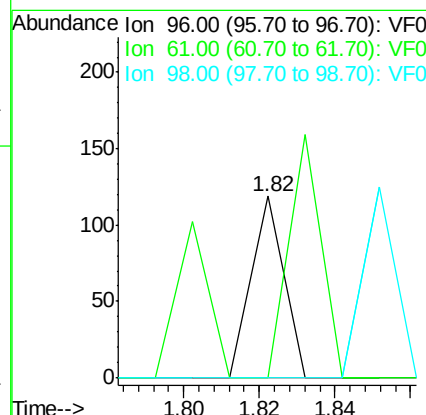
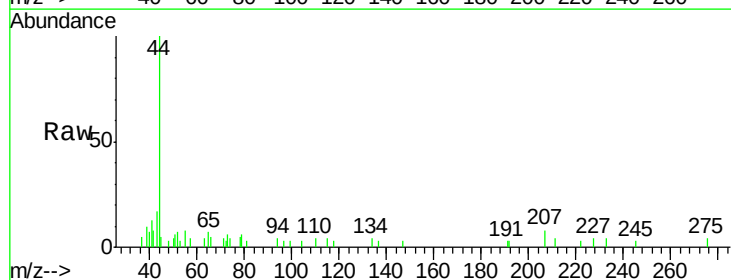
Tot Ion: 59 Resp: 376
Ion Ratio Lower Upper
59 100
57 94.3 11.4 17.2#

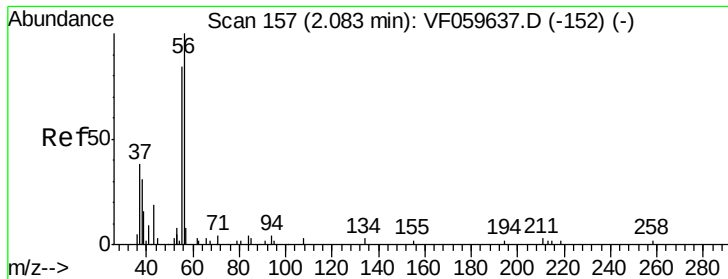


#12

1,1-Dichloroethene
Concen: Below Cal
RT: 1.82 min Scan# 131
Delta R.T. -0.02 min
Lab File: VF059654.D
Acq: 25 Jul 2018 2:18

Tgt Ion: 96 Resp: 70
Ion Ratio Lower Upper
96 100
61 0.0 218.2 327.4#
98 0.0 50.6 76.0#





#13

Acrolein

Concen: 10.594 ug/l

RT: 2.13 min Scan# 162

Delta R.T. 0.04 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

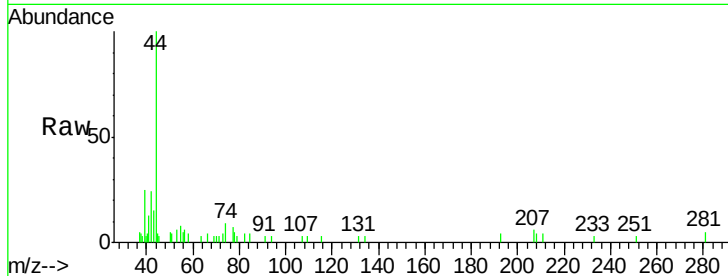
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 513

Ion Ratio Lower Upper

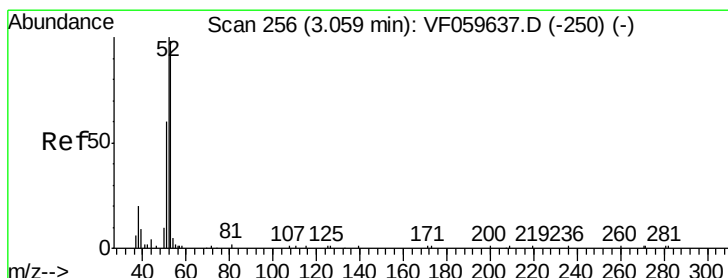
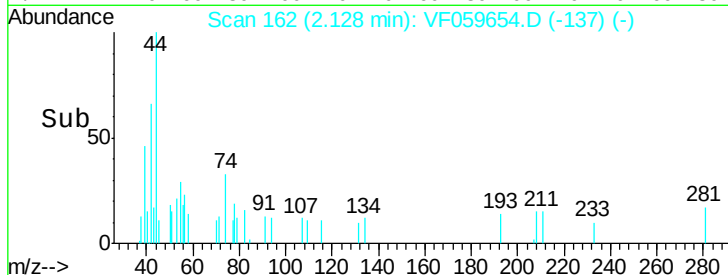
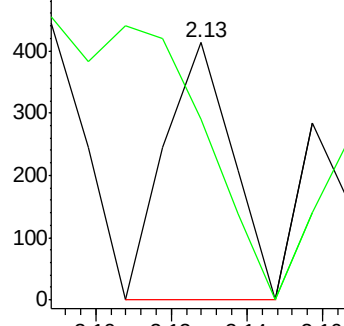
56 100

55 70.5 67.2 100.8



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#15

Acrylonitrile

Concen: 7.118 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.00 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

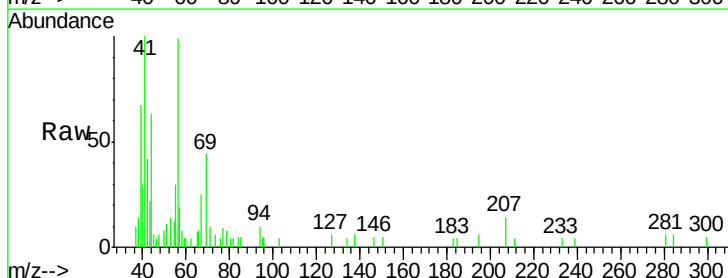
Tgt Ion: 53 Resp: 1210

Ion Ratio Lower Upper

53 100

52 0.0 80.9 121.3#

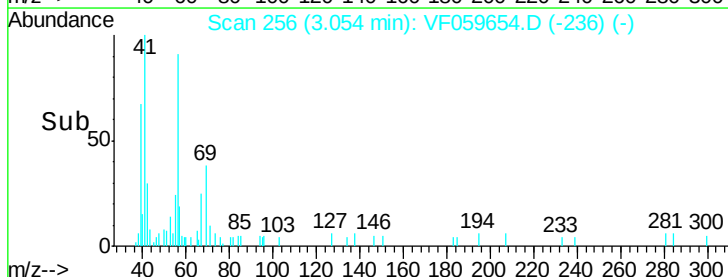
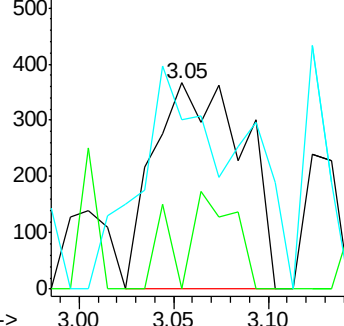
51 82.0 49.4 74.2#

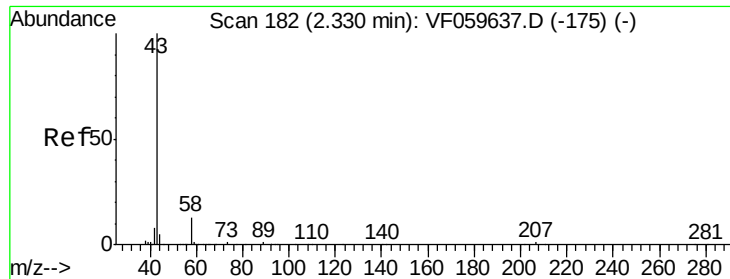


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: 7.356 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

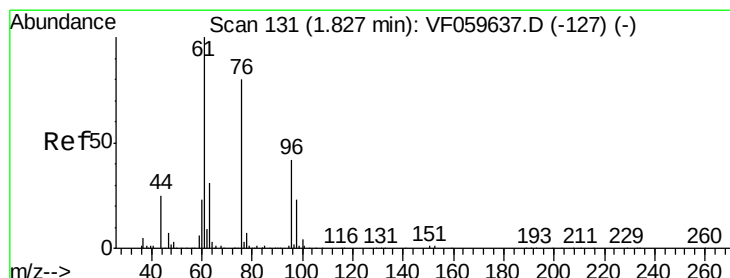
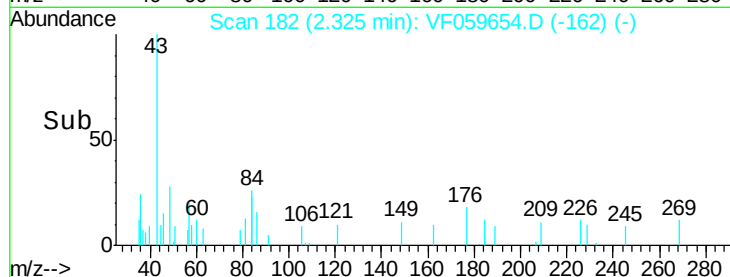
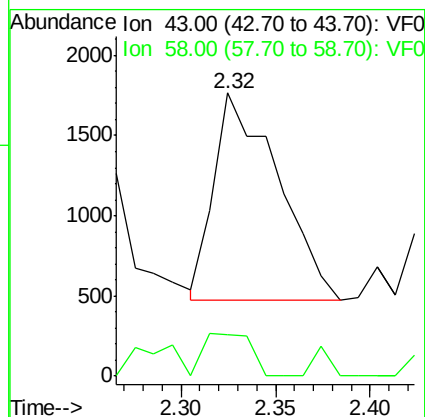
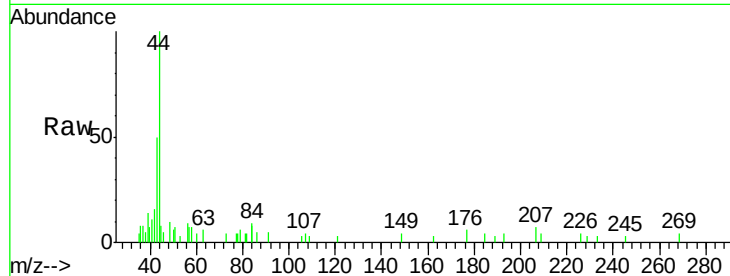
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 3036

Ion Ratio Lower Upper

43 100

58 14.8 10.2 15.2



#17

Carbon Disulfide

Concen: Below Cal

RT: 1.86 min Scan# 135

Delta R.T. 0.03 min

Lab File: VF059654.D

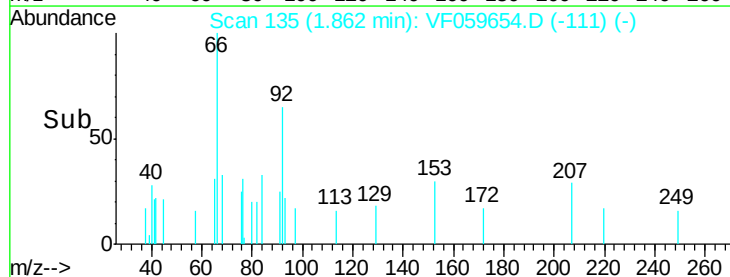
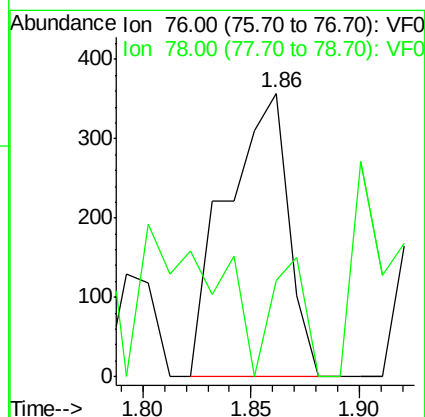
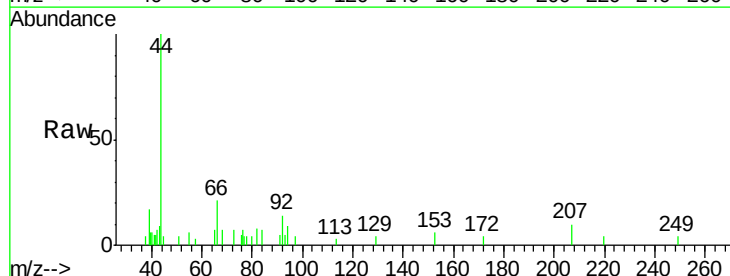
Acq: 25 Jul 2018 2:18

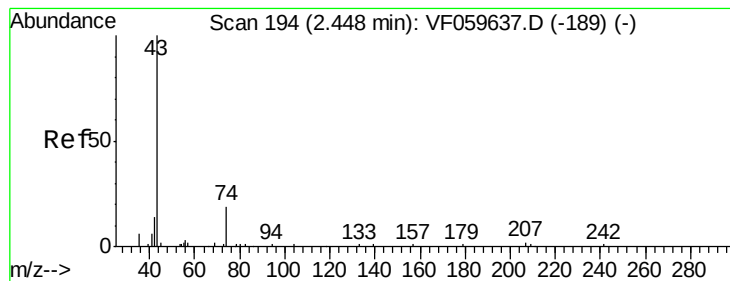
Tgt Ion: 76 Resp: 717

Ion Ratio Lower Upper

76 100

78 34.2 7.0 10.6#





#18

Methvl Acetate

Concen: 15.329 ug/l

RT: 2.47 min Scan# 197

Delta R.T. 0.02 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

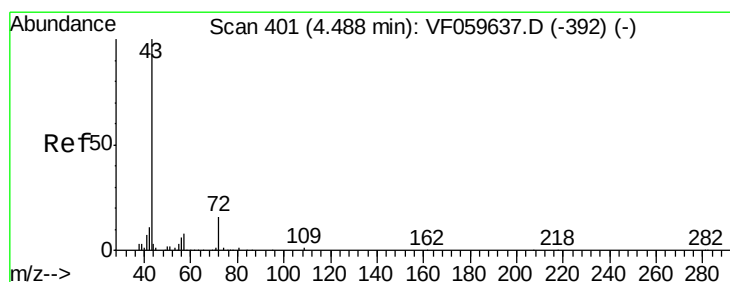
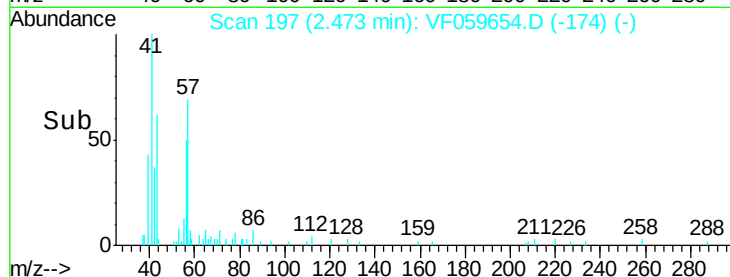
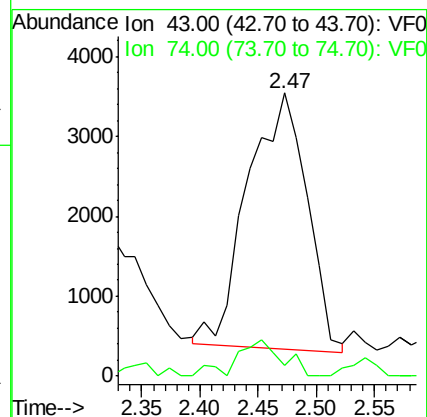
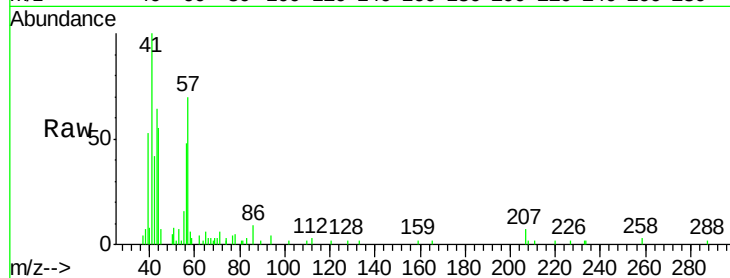
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 11261

Ion Ratio Lower Upper

43 100

74 4.0 13.0 19.6#



#25

2-Butanone

Concen: 17.245 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.04 min

Lab File: VF059654.D

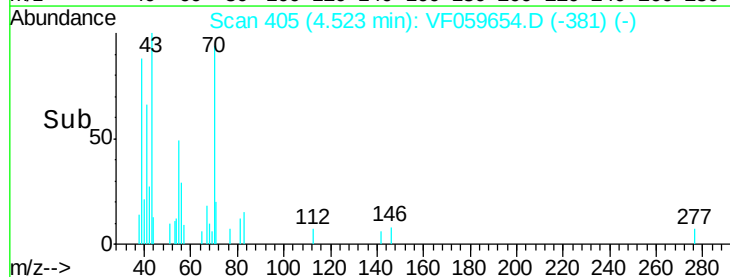
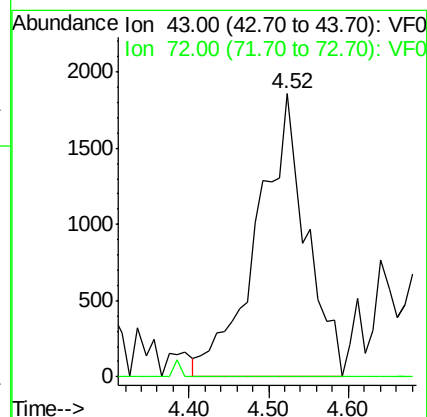
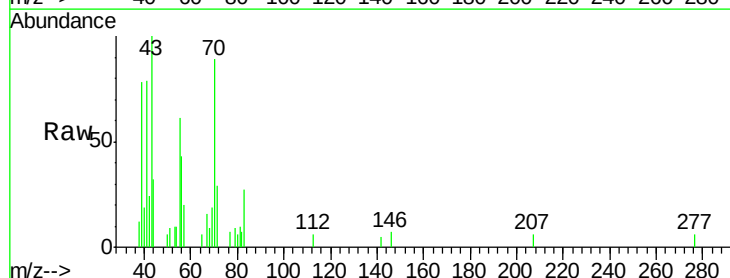
Acq: 25 Jul 2018 2:18

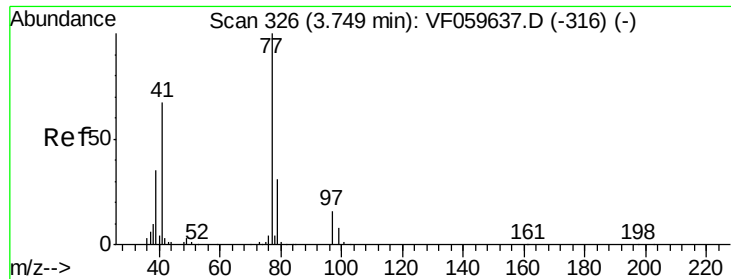
Tgt Ion: 43 Resp: 7903

Ion Ratio Lower Upper

43 100

72 0.0 13.5 20.3#

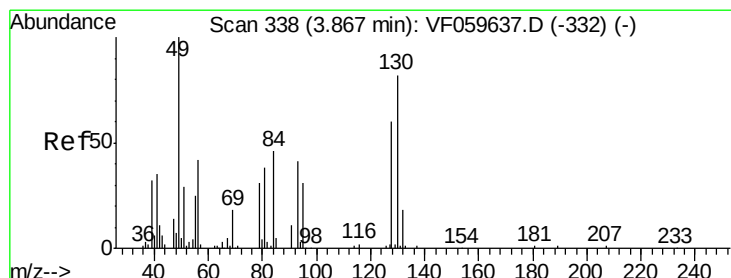
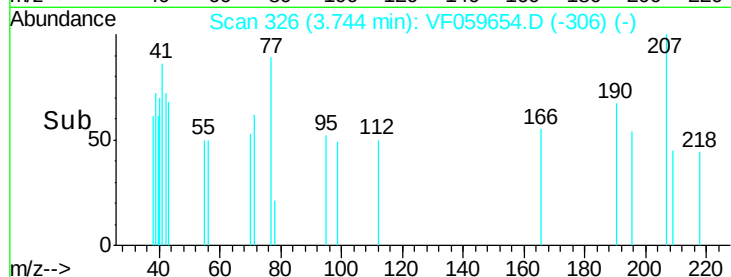
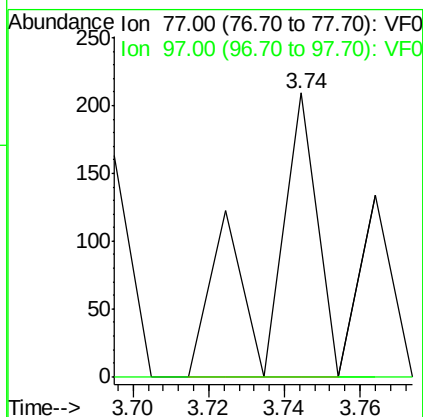
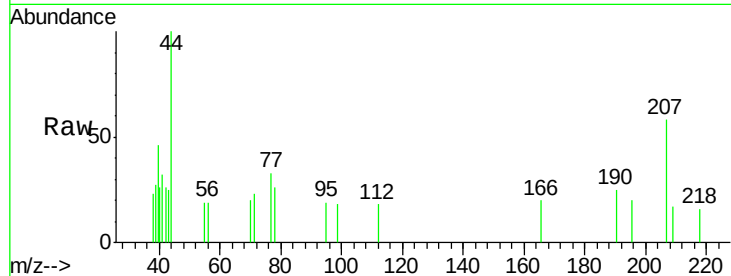




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 3.74 min Scan# 326
Delta R.T. -0.00 min
Lab File: VF059654.D
Acq: 25 Jul 2018 2:18

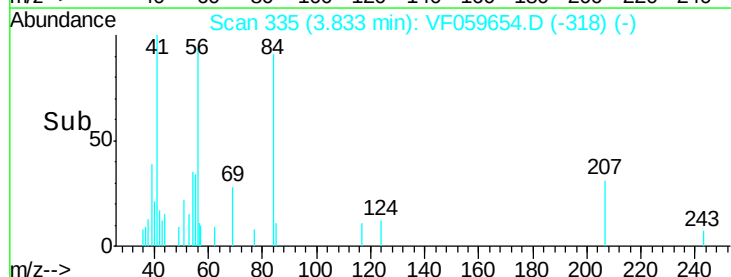
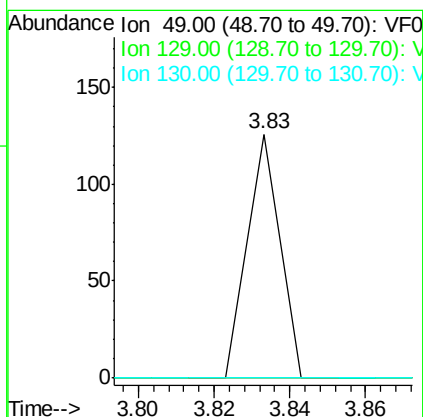
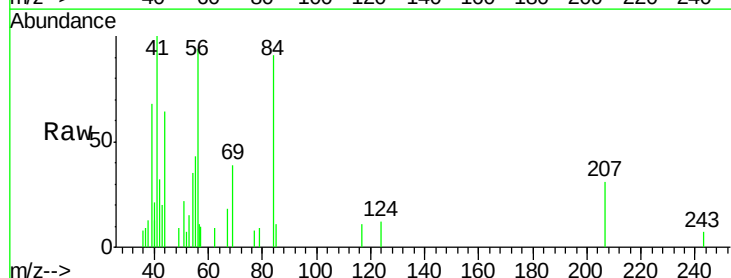
Instrument :
MSVOA_F
ClientSampled :

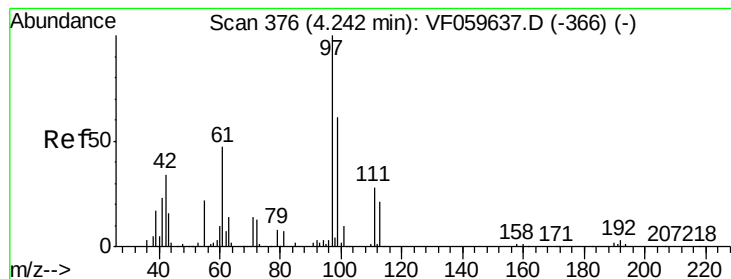
Tot Ion: 77 Resp: 196
Ion Ratio Lower Upper
77 100
97 0.0 7.8 23.3#



#28
Bromochloromethane
Concen: Below Cal
RT: 3.83 min Scan# 335
Delta R.T. -0.03 min
Lab File: VF059654.D
Acq: 25 Jul 2018 2:18

Tgt Ion: 49 Resp: 74
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 65.0 97.4#





#29

Tetrahydrofuran

Concen: 35.277 ug/l

RT: 4.18 min Scan# 370

Delta R.T. -0.06 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

Instrument :

MSVOA_F

ClientSampleId :

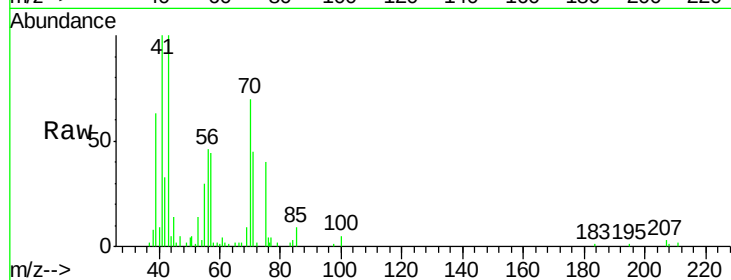
Tot Ion: 42 Resp: 9954

Ion Ratio Lower Upper

42 100

72 8.0 30.0 45.0#

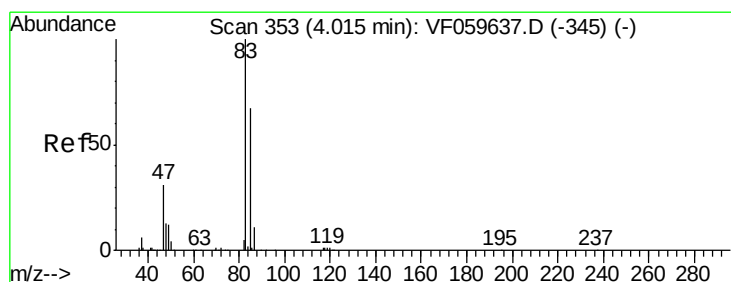
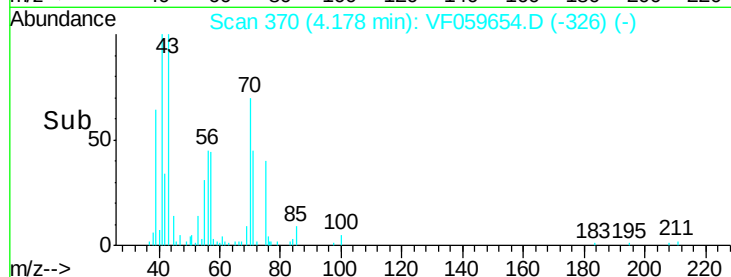
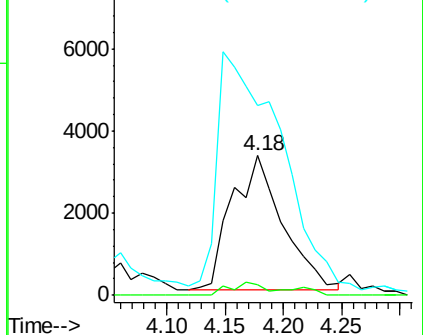
71 0.0 28.6 42.8#



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



#30

Chloroform

Concen: 1.138 ug/l

RT: 4.03 min Scan# 355

Delta R.T. 0.01 min

Lab File: VF059654.D

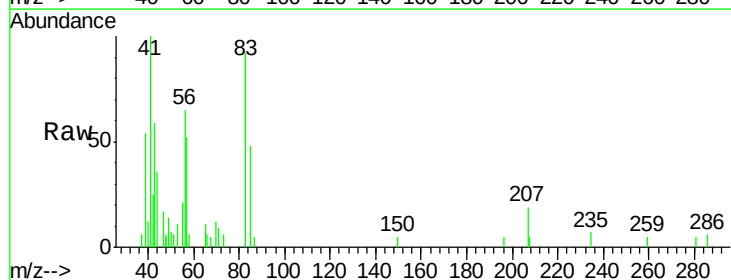
Acq: 25 Jul 2018 2:18

Tgt Ion: 83 Resp: 4862

Ion Ratio Lower Upper

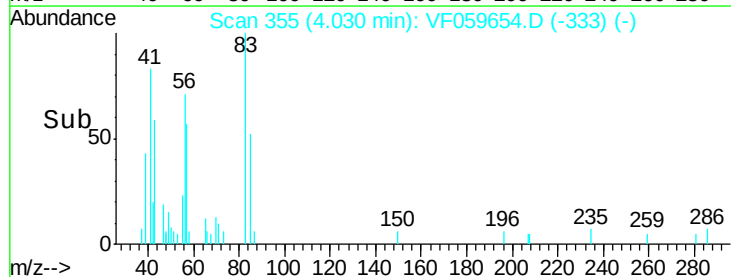
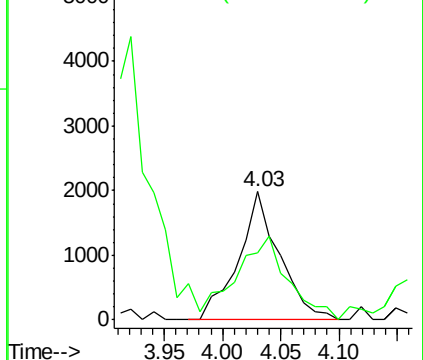
83 100

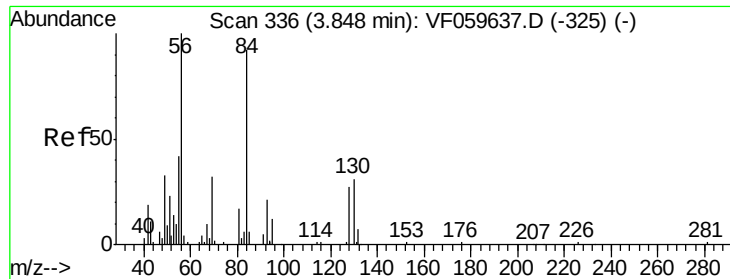
85 52.0 53.8 80.8#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

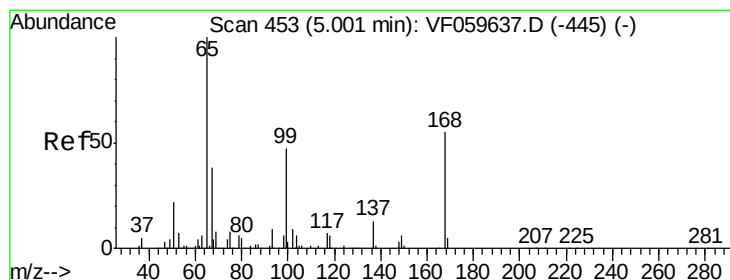
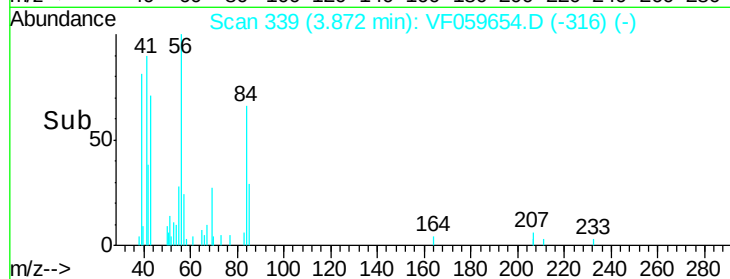
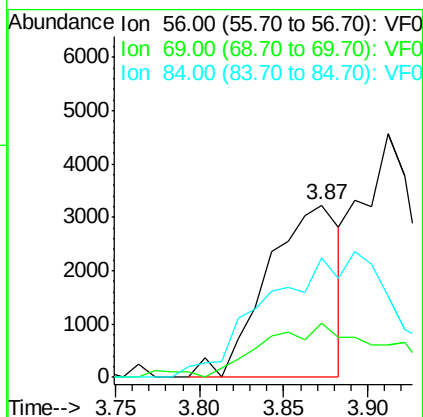
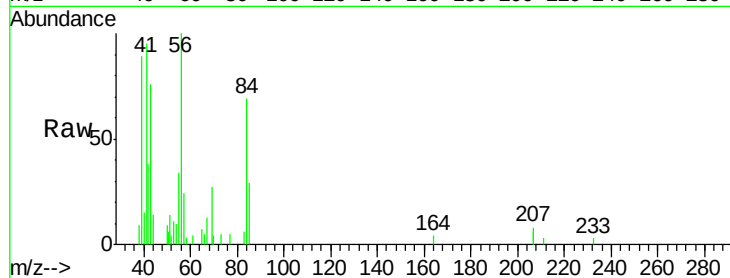




#31
Cyclohexane
Concen: 5.409 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.02 min
Lab File: VF059654.D
Acq: 25 Jul 2018 2:18

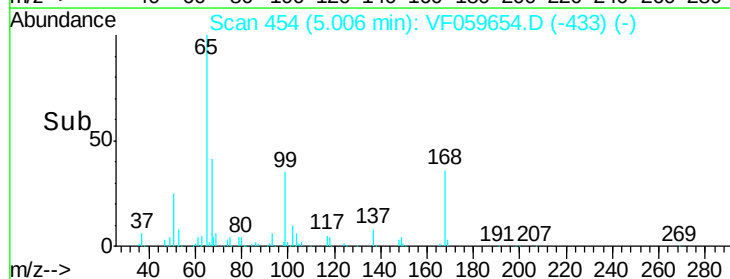
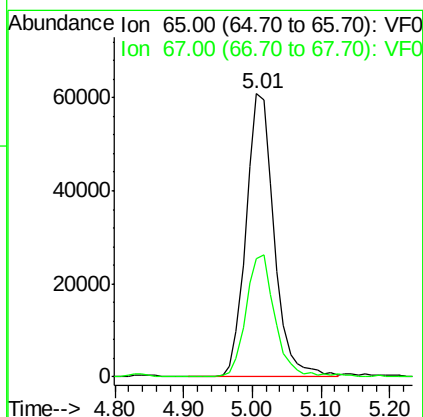
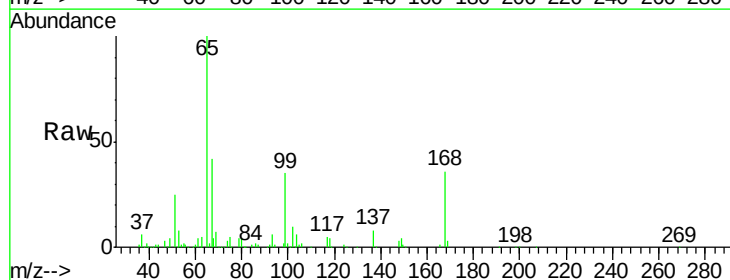
Instrument :
MSVOA_F
ClientSampleId :

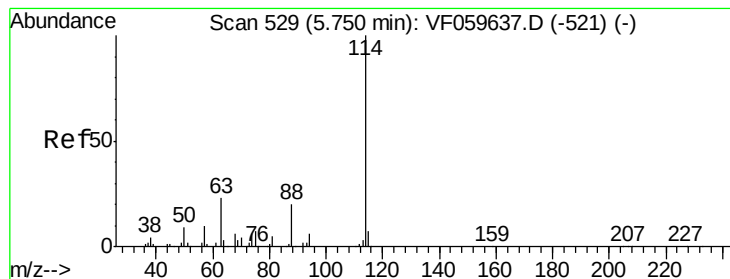
Tot Ion: 56 Resp: 9697
Ion Ratio Lower Upper
56 100
69 31.2 26.0 39.0
84 69.3 73.5 110.3#



#33
1,2-Dichloroethane-d4
Concen: 65.161 ug/l
RT: 5.01 min Scan# 454
Delta R.T. 0.00 min
Lab File: VF059654.D
Acq: 25 Jul 2018 2:18

Tgt Ion: 65 Resp: 172808
Ion Ratio Lower Upper
65 100
67 41.6 0.0 86.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. 0.00 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

Instrument :

MSVOA_F

ClientSampleId :

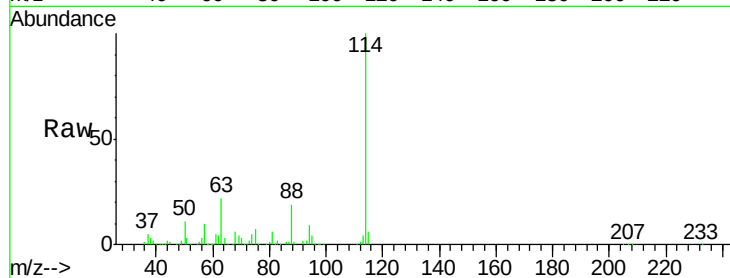
Tot Ion:114 Resp: 288654

Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.6

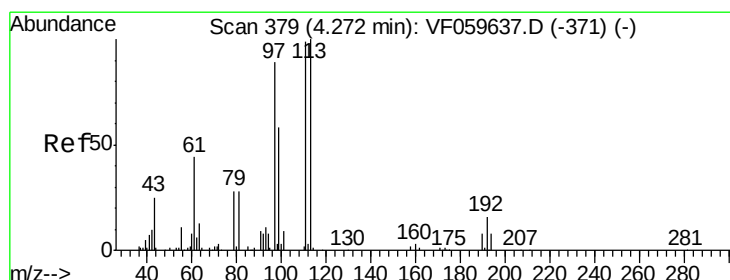
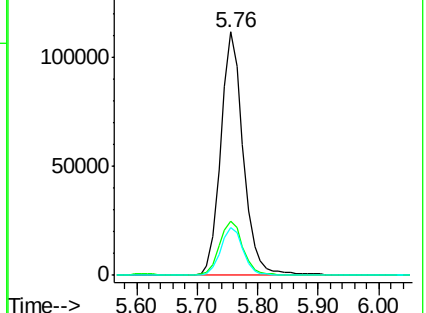
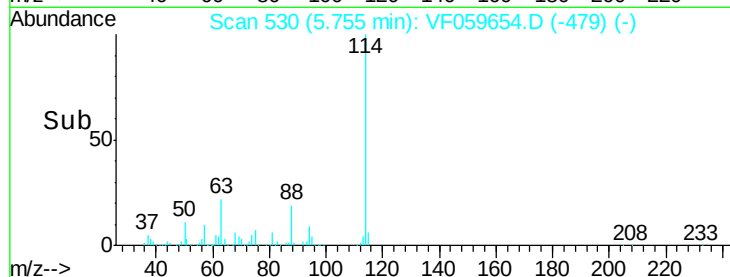
88 19.4 0.0 40.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 62.879 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

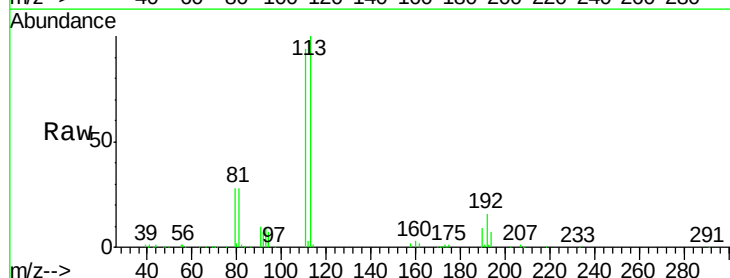
Tgt Ion:113 Resp: 163347

Ion Ratio Lower Upper

113 100

111 94.1 79.3 118.9

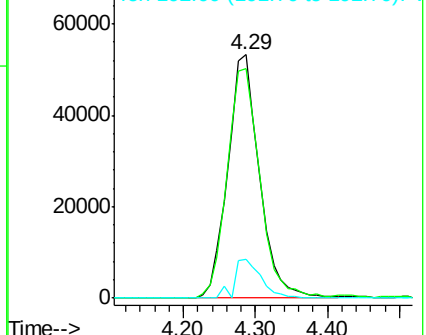
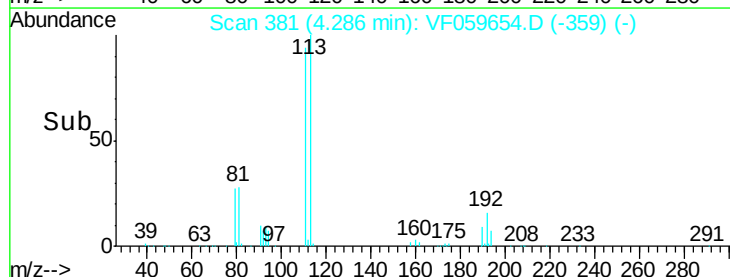
192 16.1 13.4 20.2

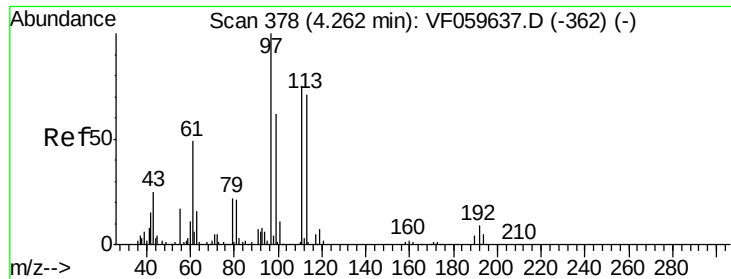


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

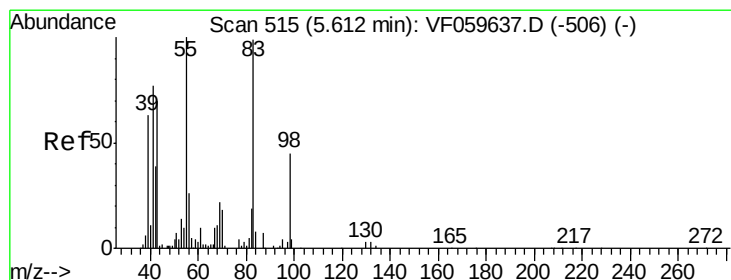
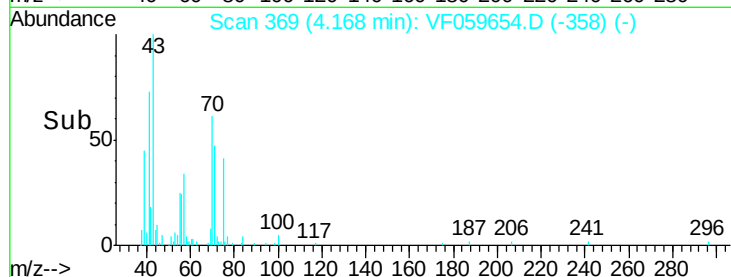
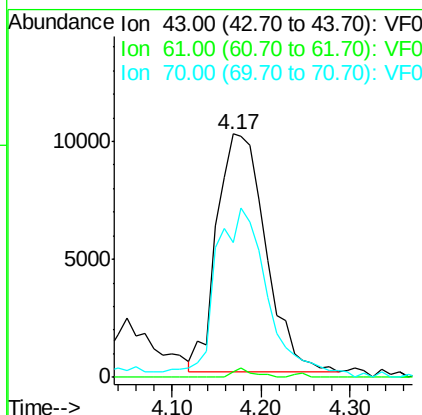
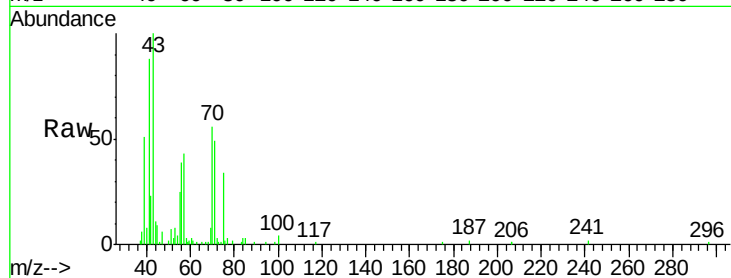




#37
Ethyl Acetate
Concen: 37.053 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.09 min
Lab File: VF059654.D
Acq: 25 Jul 2018 2:18

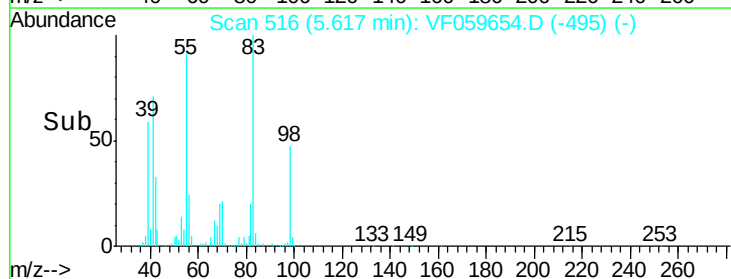
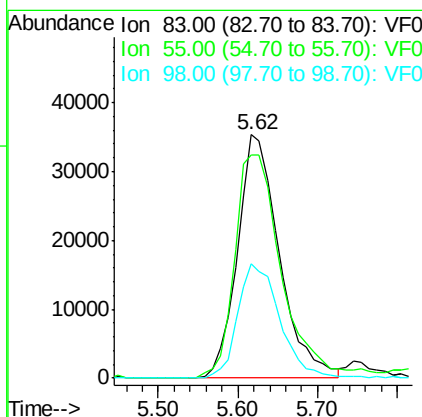
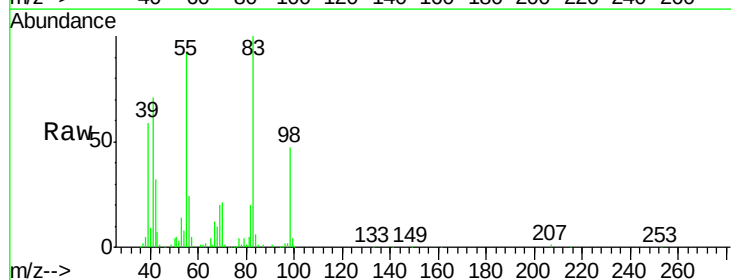
Instrument :
MSVOA_F
ClientSampleId :

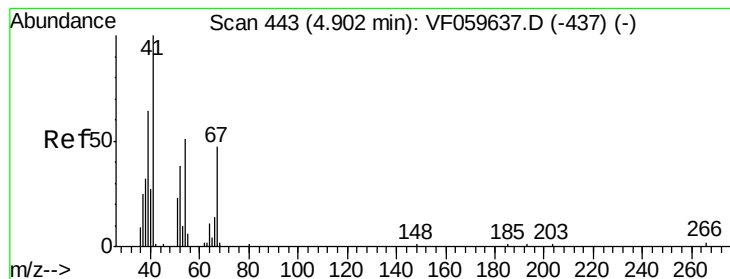
Tot Ion: 43 Resp: 38748
Ion Ratio Lower Upper
43 100
61 2.3 156.6 234.8#
70 55.5 7.3 10.9#



#39
Methylcyclohexane
Concen: 53.638 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059654.D
Acq: 25 Jul 2018 2:18

Tgt Ion: 83 Resp: 128655
Ion Ratio Lower Upper
83 100
55 91.7 81.5 122.3
98 47.2 36.7 55.1





#41

Methacrylonitrile

Concen: 219.101 ug/l

RT: 4.84 min Scan# 437

Delta R.T. -0.06 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 121203

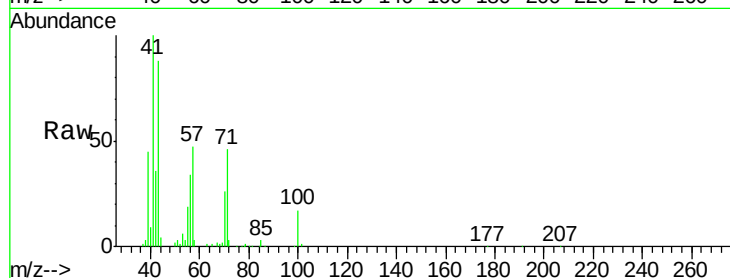
Ion Ratio Lower Upper

41 100

39 44.9 56.9 85.3#

67 1.7 36.6 54.8#

52 1.2 42.6 63.8#

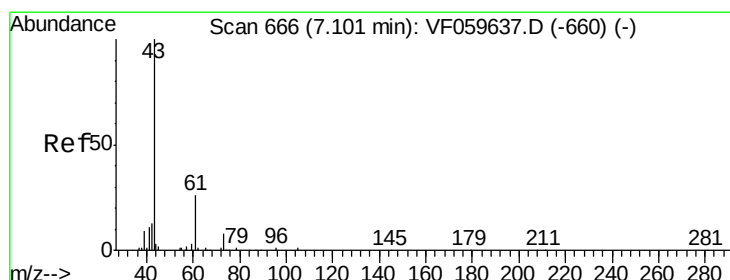
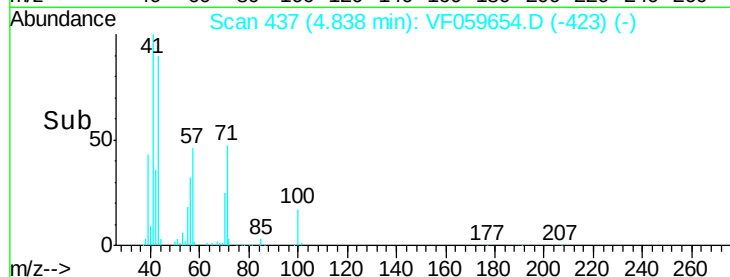
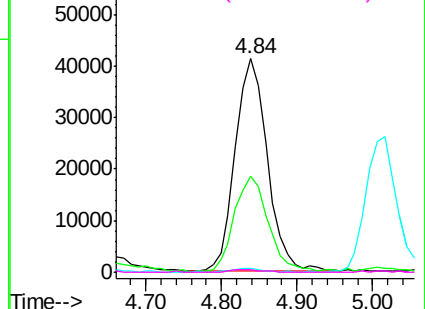


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#43

Isopropyl Acetate

Concen: 18.604 ug/l

RT: 7.17 min Scan# 674

Delta R.T. 0.07 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

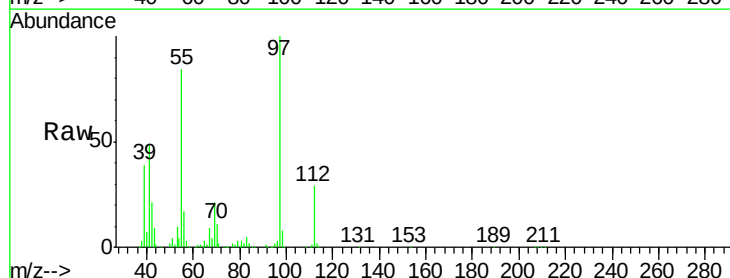
Tgt Ion: 43 Resp: 24198

Ion Ratio Lower Upper

43 100

61 2.1 20.5 30.7#

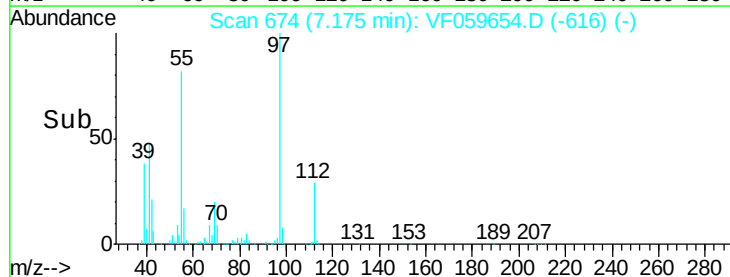
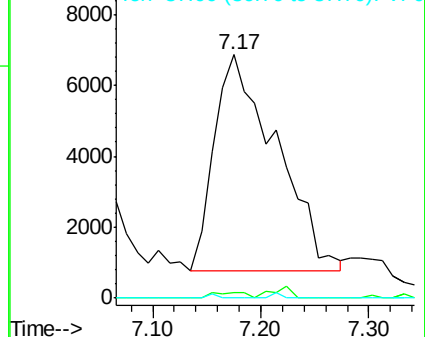
87 0.0 0.4 0.6#

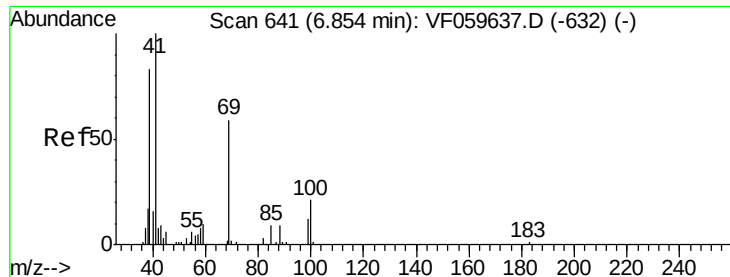


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

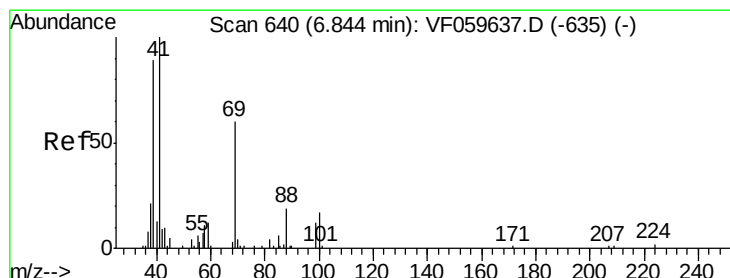
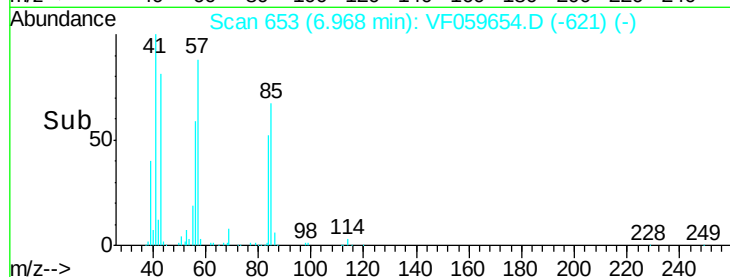
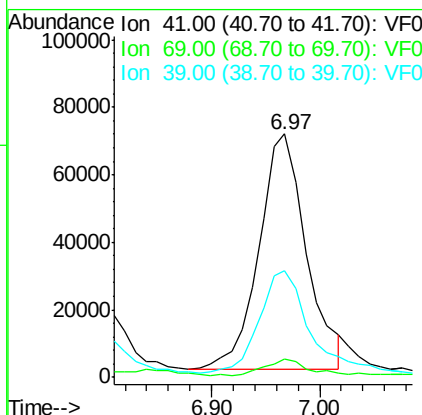
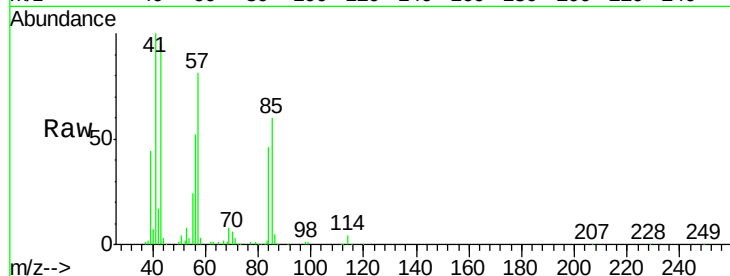




#48
Methyl methacrylate
Concen: 221.891 ug/l
RT: 6.97 min Scan# 653
Delta R.T. 0.11 min
Lab File: VF059654.D
Acq: 25 Jul 2018 2:18

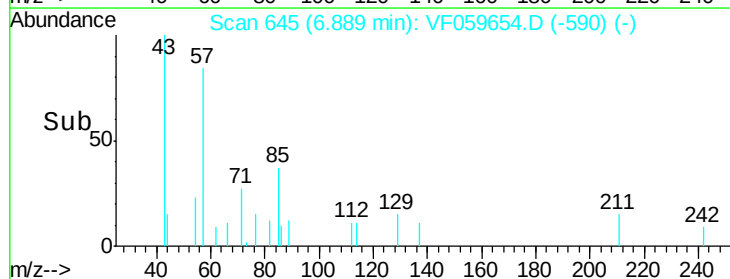
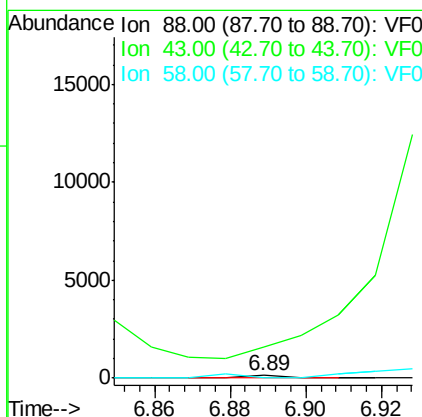
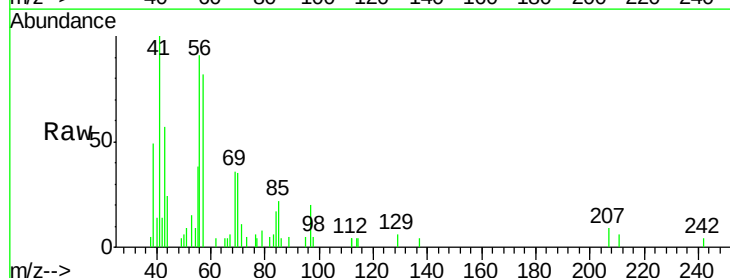
Instrument :
MSVOA_F
ClientSampled :

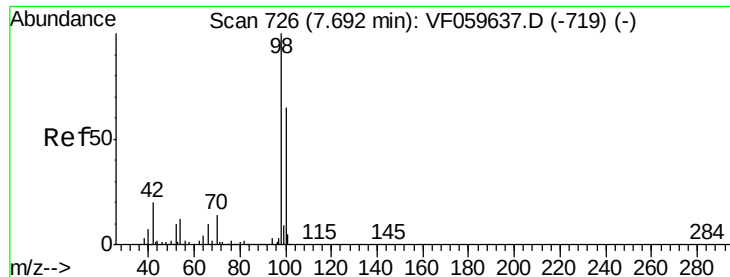
Tot Ion: 41 Resp: 212454
Ion Ratio Lower Upper
41 100
69 7.7 47.5 71.3#
39 43.6 67.0 100.6#



#49
1,4-Dioxane
Concen: 10.858 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.04 min
Lab File: VF059654.D
Acq: 25 Jul 2018 2:18

Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 1184.4 45.3 67.9#
58 0.0 47.7 71.5#

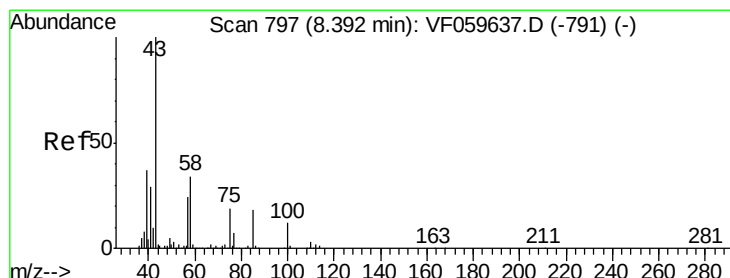
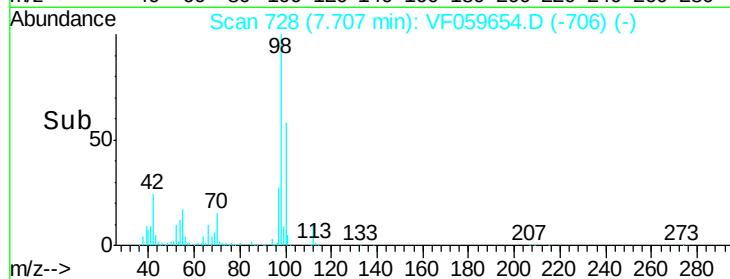
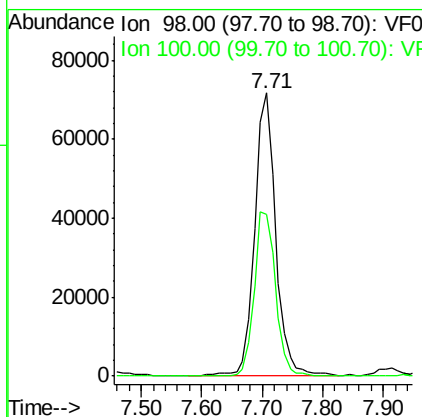
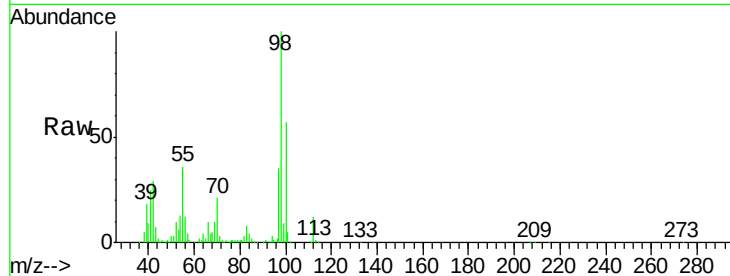




#50
Toluene-d8
Concen: 27.347 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.01 min
Lab File: VF059654.D
Acq: 25 Jul 2018 2:18

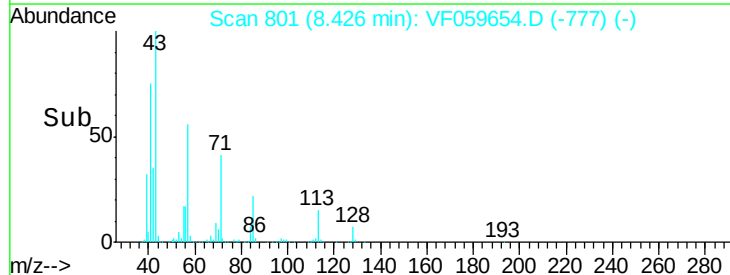
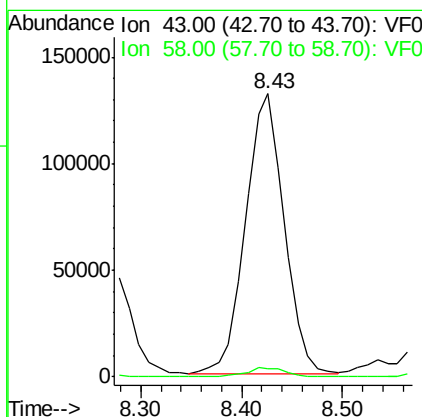
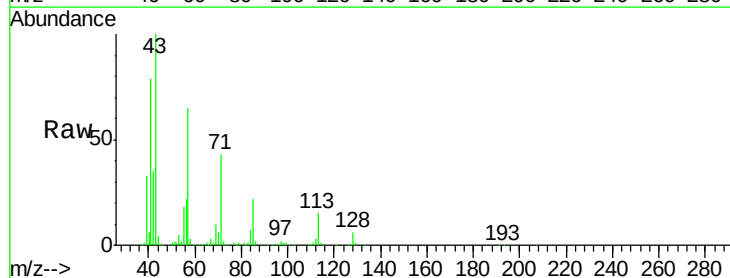
Instrument :
MSVOA_F
ClientSampleId :

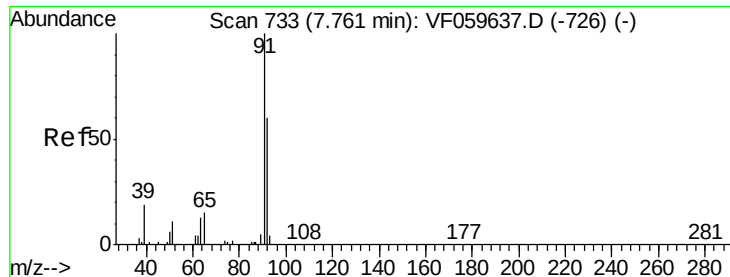
Tot Ion: 98 Resp: 173152
Ion Ratio Lower Upper
98 100
100 57.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 364.025 ug/l
RT: 8.43 min Scan# 801
Delta R.T. 0.03 min
Lab File: VF059654.D
Acq: 25 Jul 2018 2:18

Tgt Ion: 43 Resp: 347993
Ion Ratio Lower Upper
43 100
58 3.1 27.3 40.9#





#52

Toluene

Concen: Below Cal

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

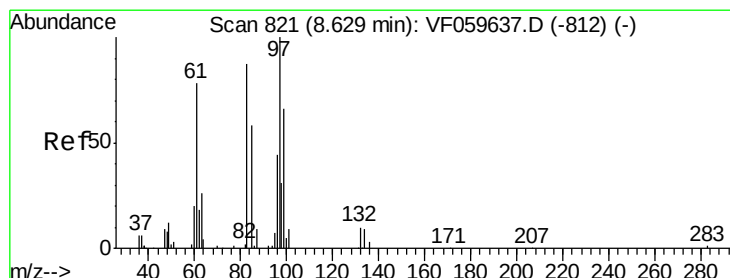
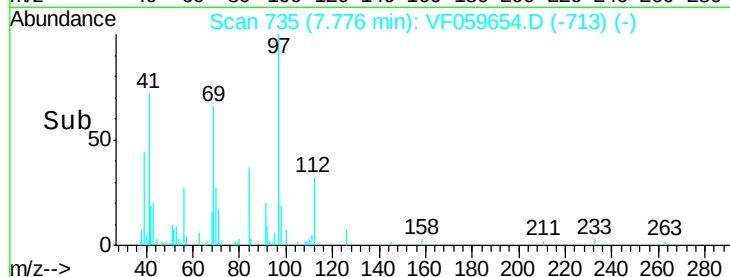
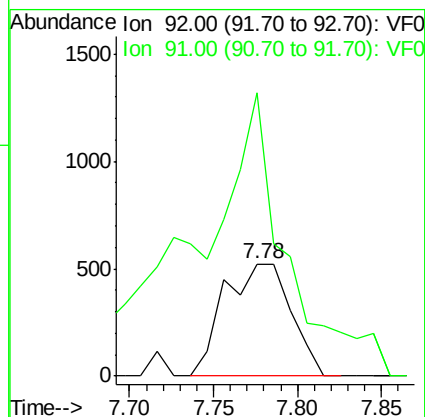
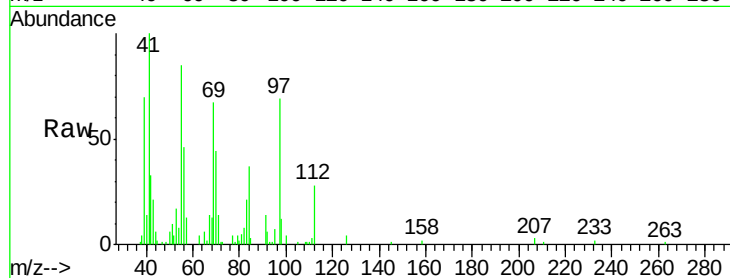
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 92 Resp: 1440

Ion Ratio Lower Upper

92 100

91 252.7 134.2 201.4#



#55

1,1,2-Trichloroethane

Concen: 26.885 ug/l

RT: 8.53 min Scan# 812

Delta R.T. -0.09 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

Tgt Ion: 97 Resp: 32794

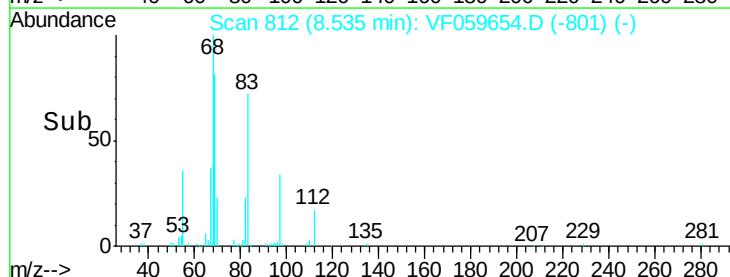
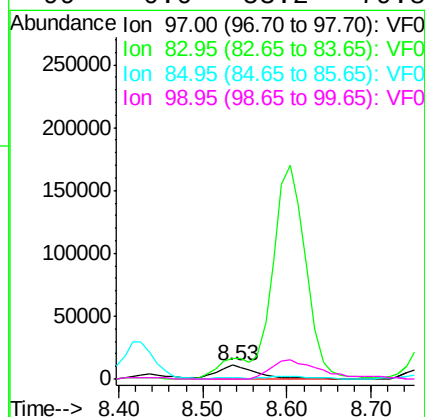
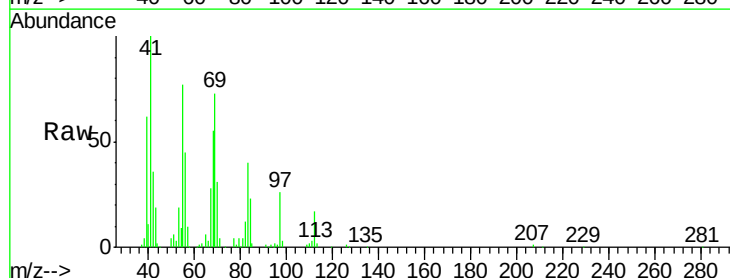
Ion Ratio Lower Upper

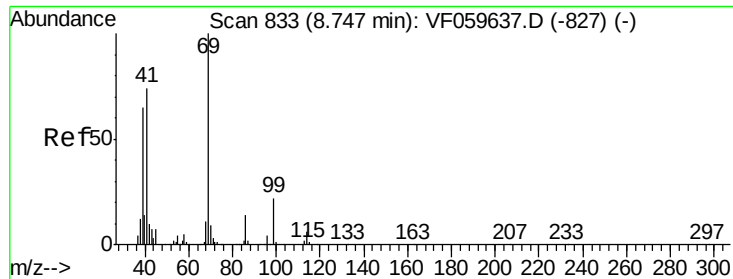
97 100

83 153.5 69.5 104.3#

85 8.2 46.0 69.0#

99 0.0 53.2 79.8#





#56

Ethyl methacrylate

Concen: 368.603 ug/l

RT: 8.77 min Scan# 836

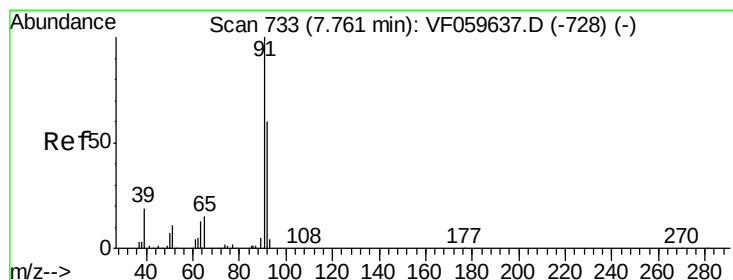
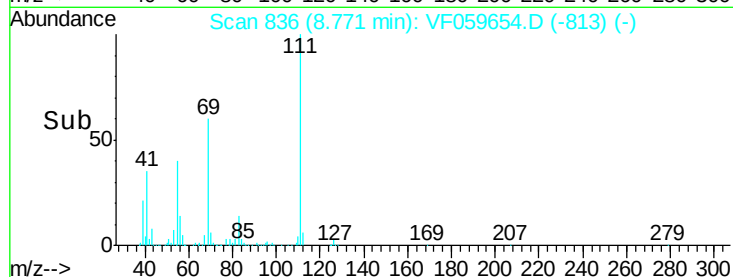
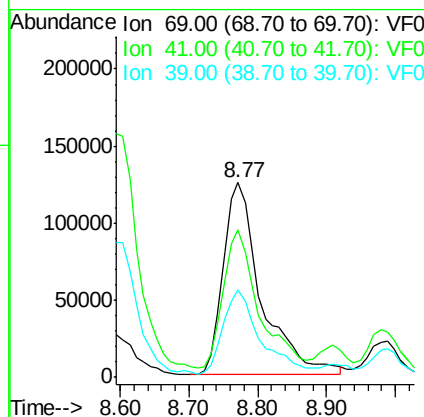
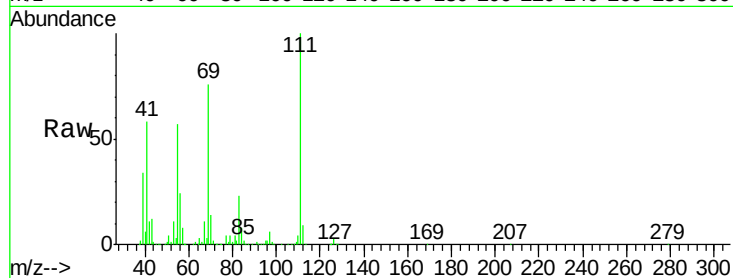
Delta R.T. 0.02 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	69	Resp:	480617
Ion	Ratio	Lower	Upper
69	100		
41	76.0	59.1	88.7
39	45.1	52.4	78.6#



#58

2-Chloroethyl Vinyl ether

Concen: 18.696 ug/l

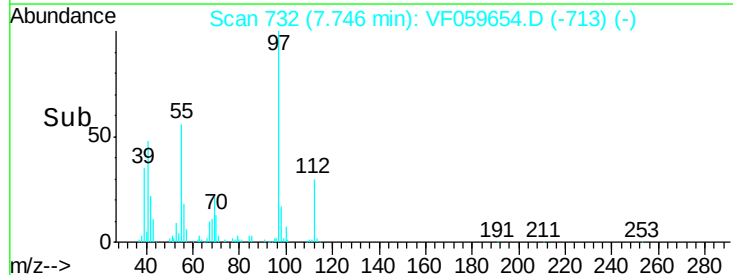
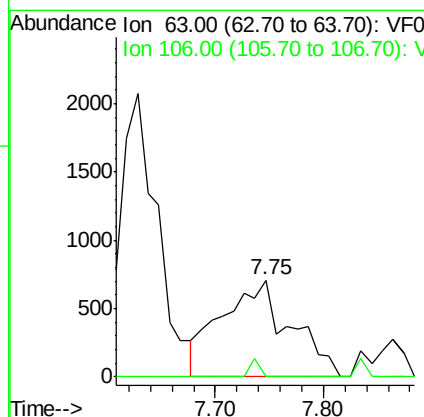
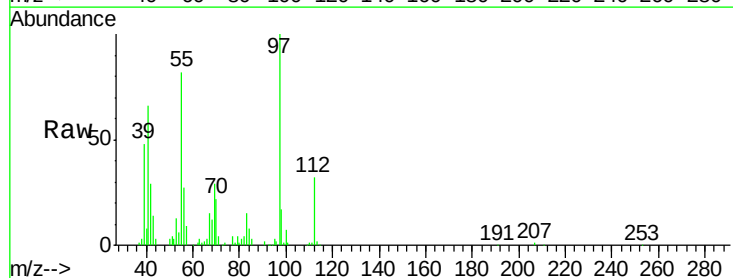
RT: 7.75 min Scan# 732

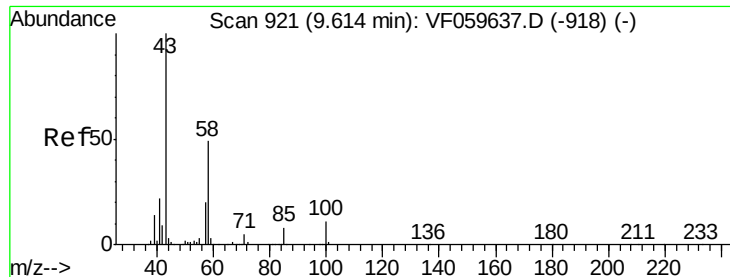
Delta R.T. -0.01 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

Tgt Ion:	63	Resp:	3129
Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0

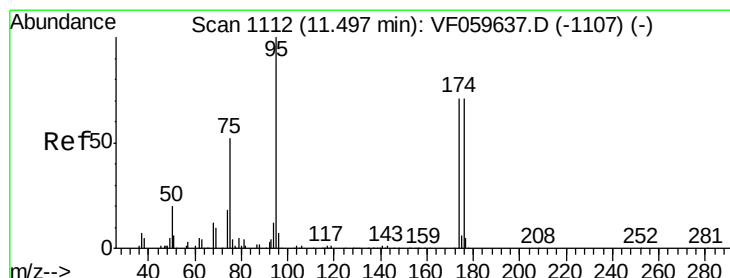
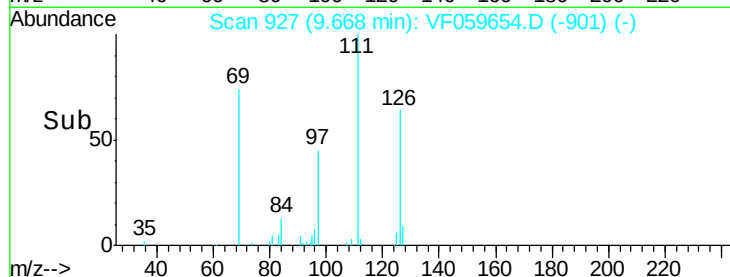
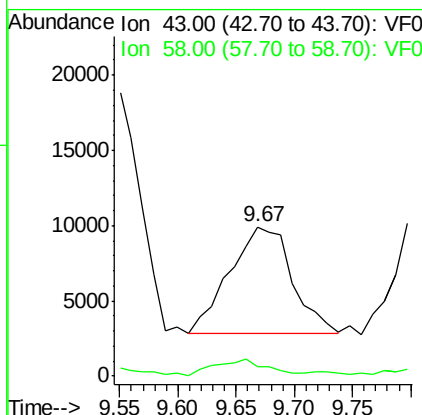
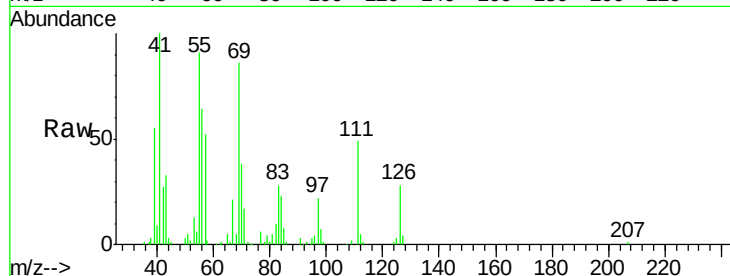




#59
2-Hexanone
Concen: 35.978 ug/l
RT: 9.67 min Scan# 927
Delta R.T. 0.05 min
Lab File: VF059654.D
Acq: 25 Jul 2018 2:18

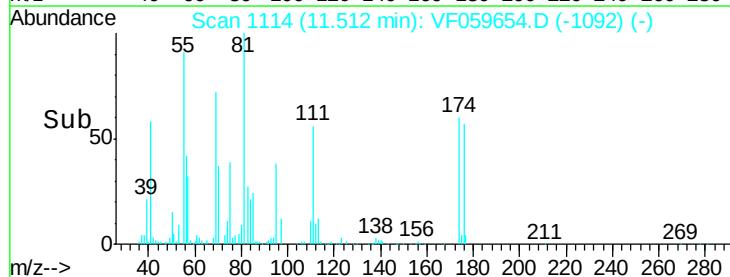
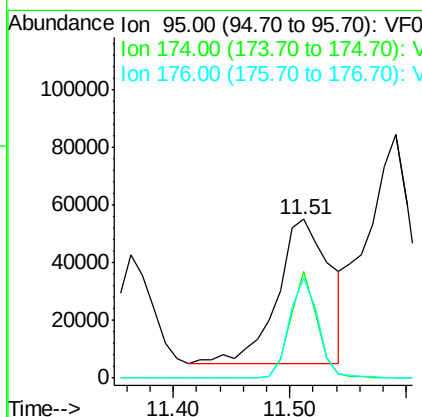
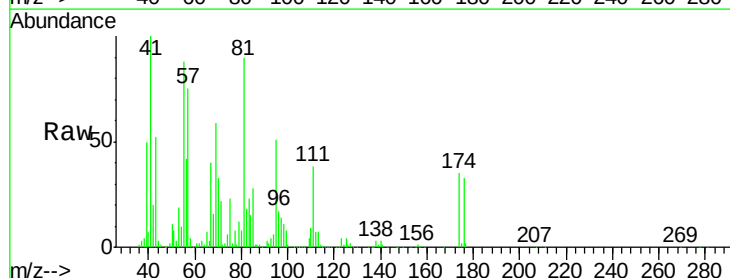
Instrument :
MSVOA_F
ClientSampleId :

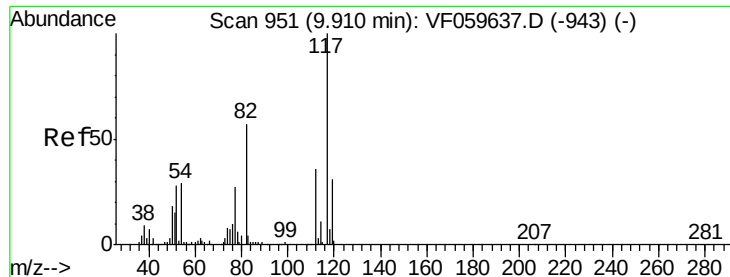
Tot Ion: 43 Resp: 26265
Ion Ratio Lower Upper
43 100
58 6.3 23.6 71.0#



#62
4-Bromofluorobenzene
Concen: 48.805 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VF059654.D
Acq: 25 Jul 2018 2:18

Tgt Ion: 95 Resp: 158786
Ion Ratio Lower Upper
95 100
174 67.0 0.0 141.8
176 63.4 0.0 142.0

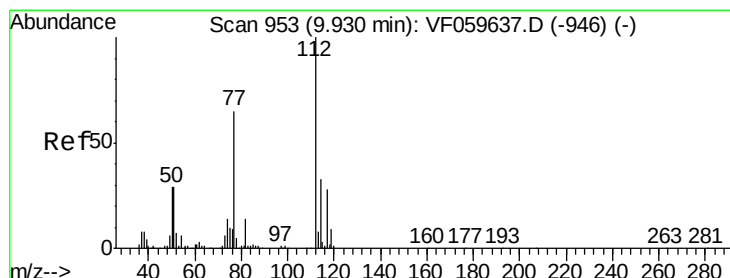
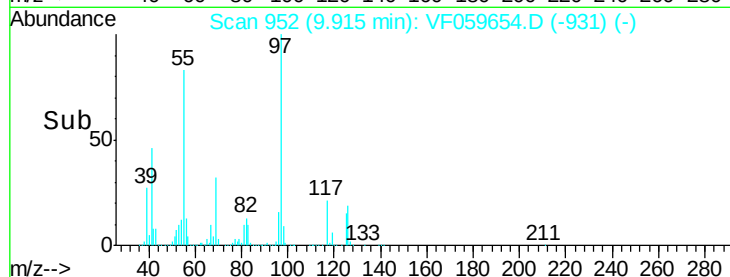
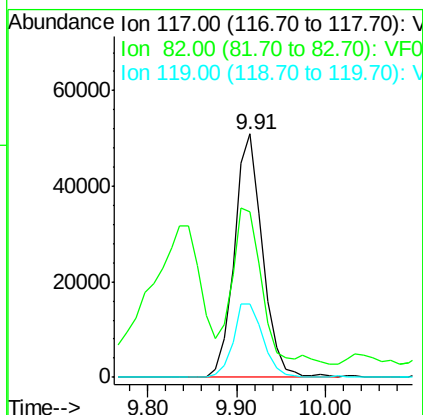
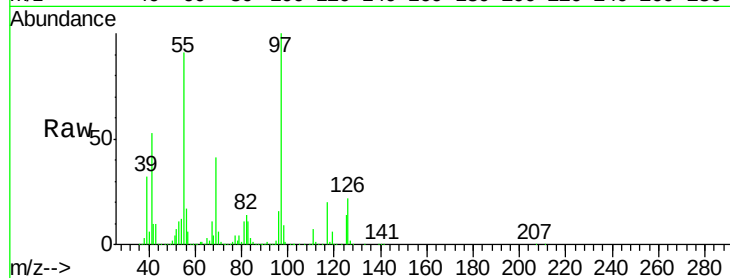




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059654.D
Acq: 25 Jul 2018 2:18

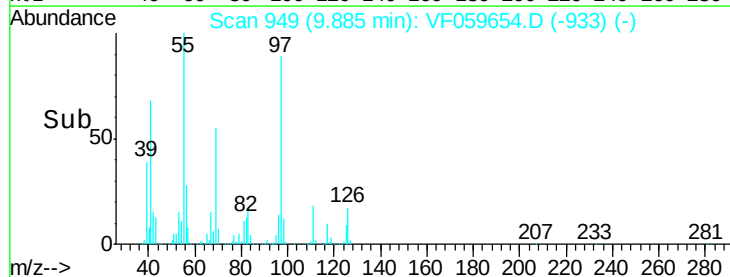
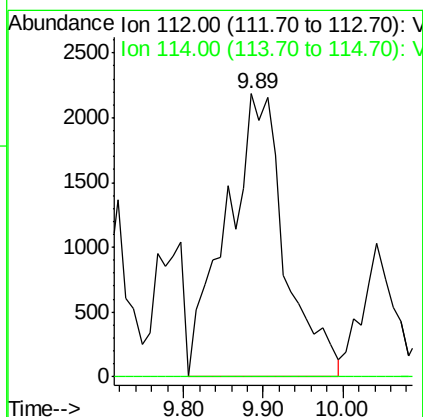
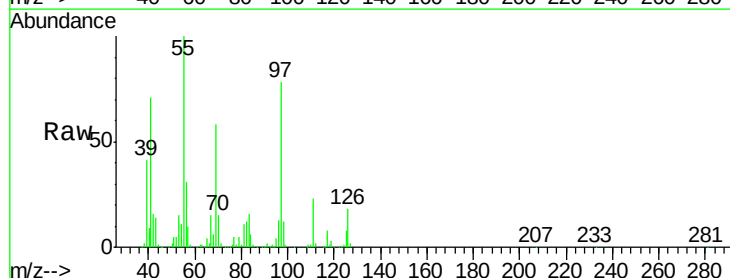
Instrument :
MSVOA_F
ClientSampleId :

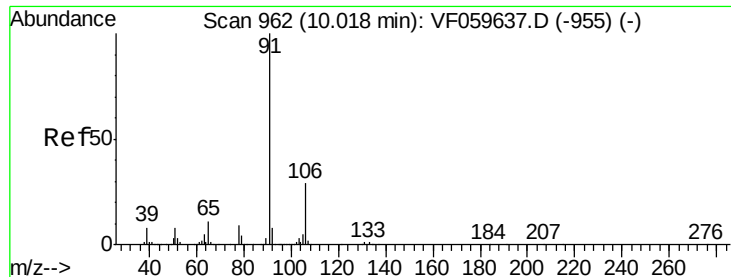
Tot Ion	Ratio	Lower	Upper
117	100		
82	67.8	45.9	68.9
119	30.1	25.1	37.7



#65
Chlorobenzene
Concen: 5.316 ug/l
RT: 9.89 min Scan# 949
Delta R.T. -0.04 min
Lab File: VF059654.D
Acq: 25 Jul 2018 2:18

Tgt Ion	Ratio	Lower	Upper
112	100		
114	0.0	26.4	39.6#





#67

Ethyl Benzene

Concen: 1.011 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

Instrument :

MSVOA_F

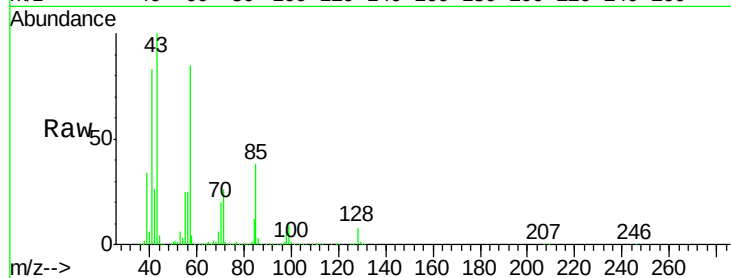
ClientSampleId :

Tot Ion: 91 Resp: 3780

Ion Ratio Lower Upper

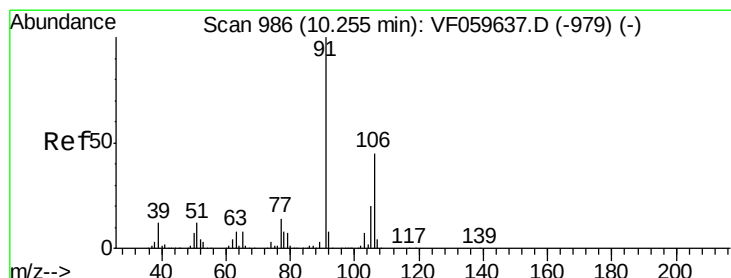
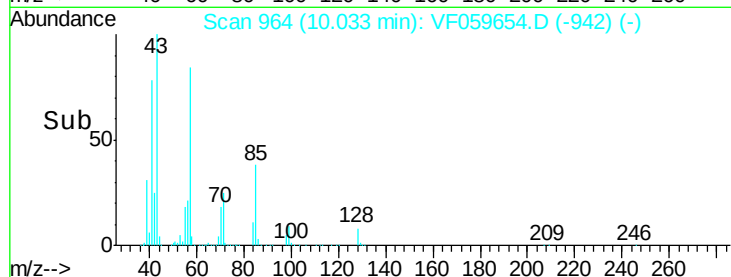
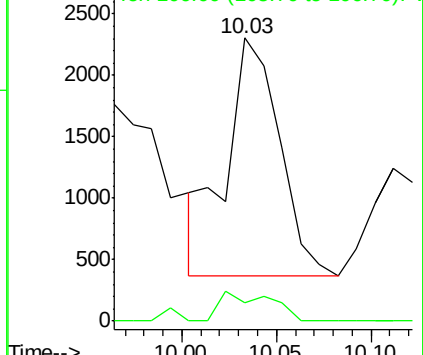
91 100

106 6.6 23.4 35.0#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 103.507 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF059654.D

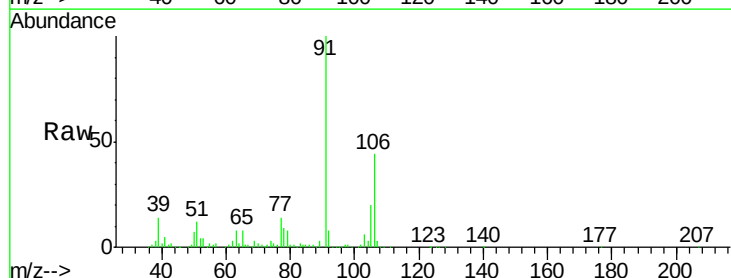
Acq: 25 Jul 2018 2:18

Tgt Ion: 106 Resp: 138312

Ion Ratio Lower Upper

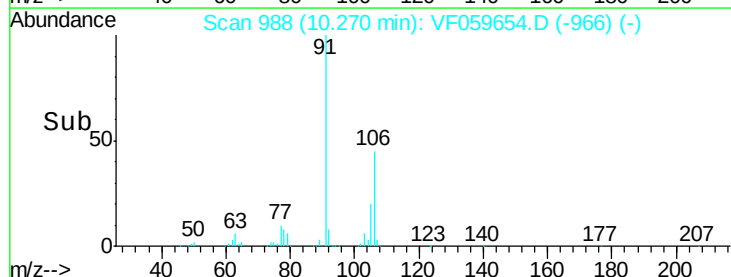
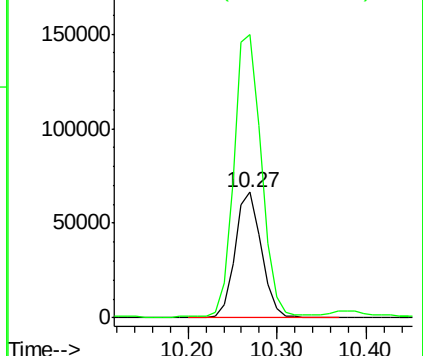
106 100

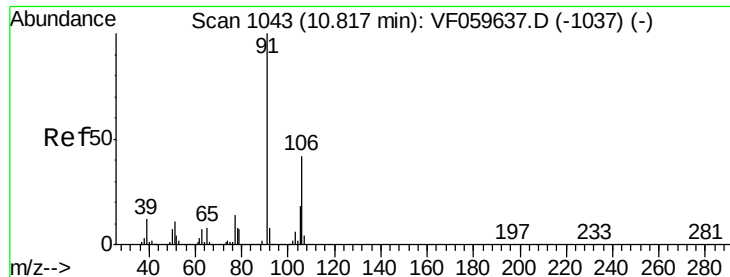
91 225.0 177.8 266.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

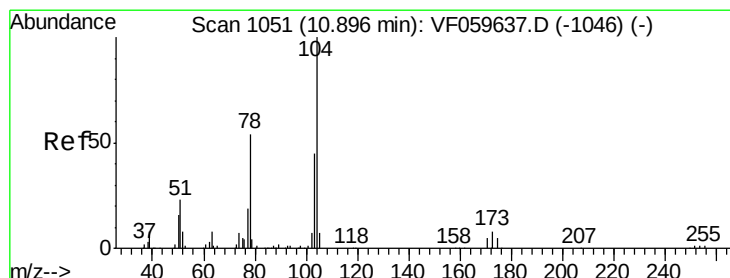
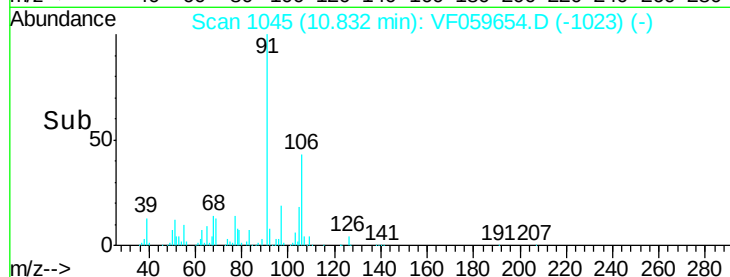
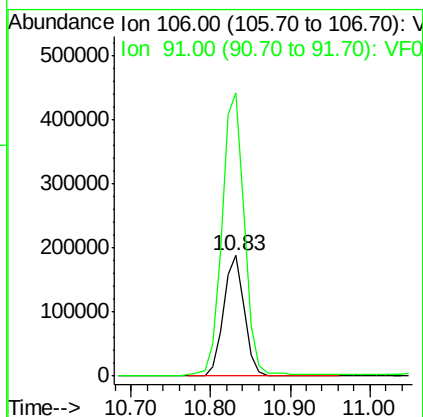
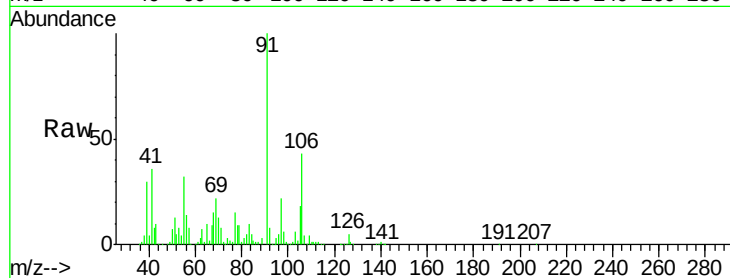




#69
o-Xylene
Concen: 247.500 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF059654.D
Acq: 25 Jul 2018 2:18

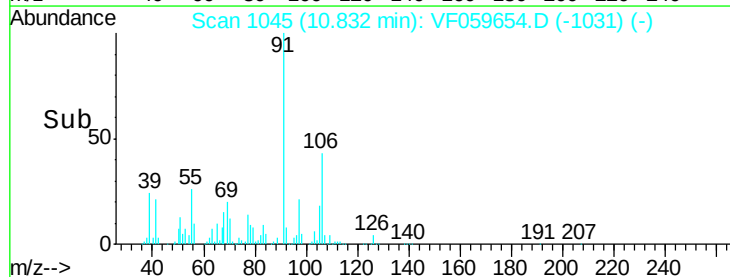
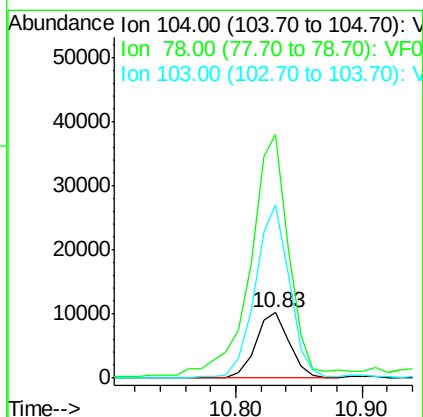
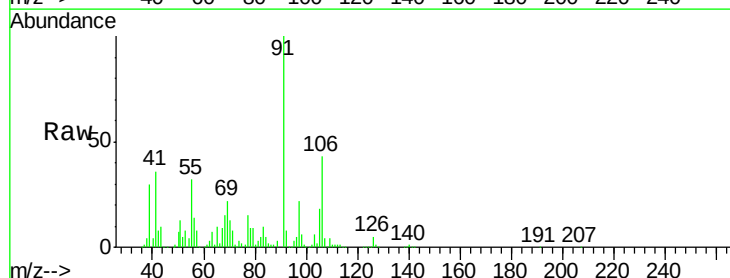
Instrument :
MSVOA_F
ClientSampled :

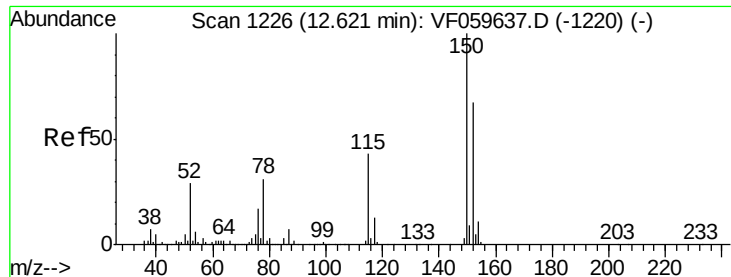
Tot Ion:106 Resp: 352058
Ion Ratio Lower Upper
106 100
91 235.2 119.3 357.9



#70
Styrene
Concen: 9.325 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.06 min
Lab File: VF059654.D
Acq: 25 Jul 2018 2:18

Tgt Ion:104 Resp: 19155
Ion Ratio Lower Upper
104 100
78 372.3 43.4 65.2#
103 265.5 36.7 55.1#



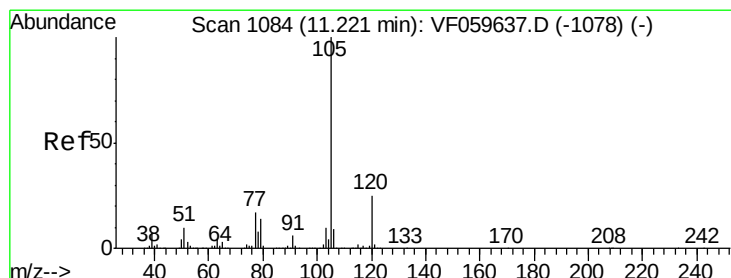
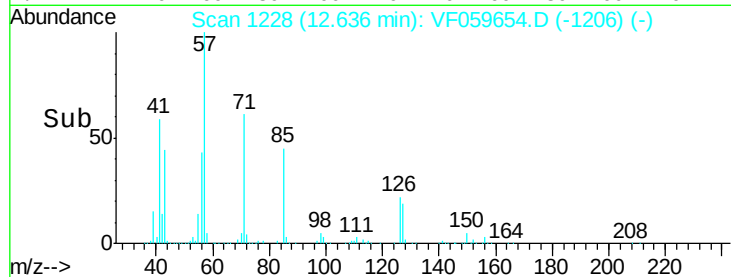
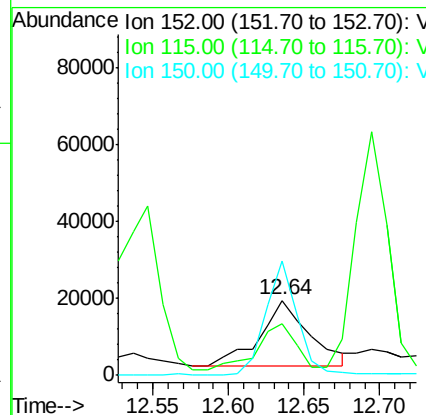
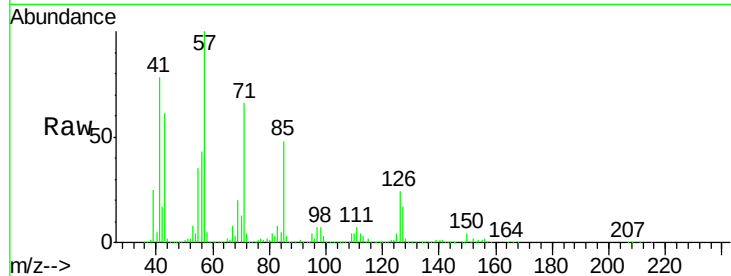


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. 0.01 min
Lab File: VF059654.D
Acq: 25 Jul 2018 2:18

Instrument :
MSVOA_F
ClientSampled :

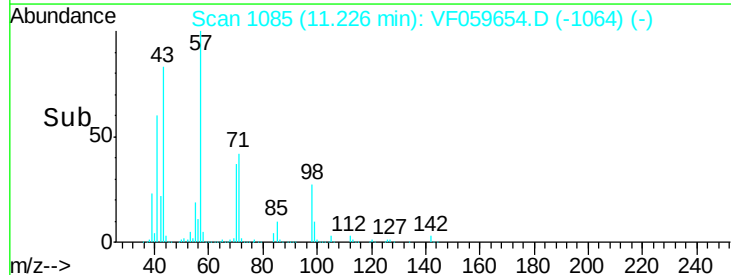
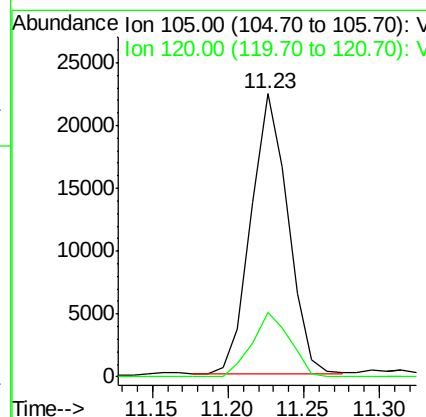
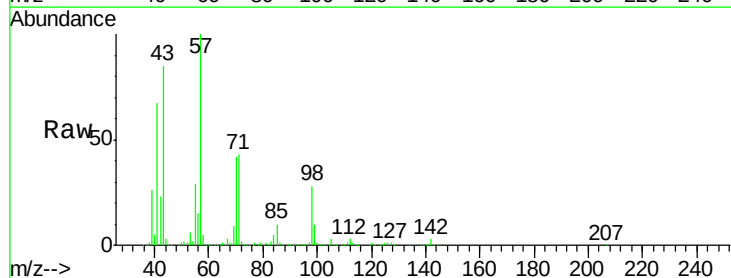
Tot Ion	Ratio	Lower	Upper
152	100		
115	69.7	32.0	96.2
150	152.8	0.0	313.2

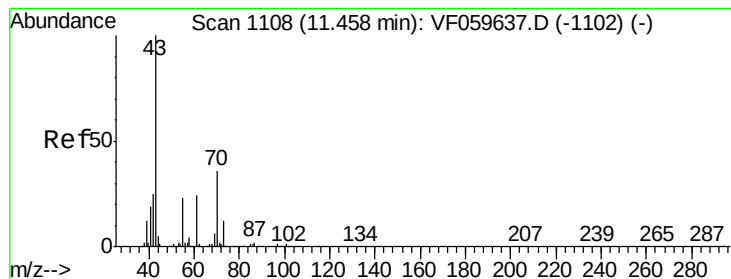


#73

Isopropylbenzene
Concen: 15.426 ug/l
RT: 11.23 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VF059654.D
Acq: 25 Jul 2018 2:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	22.8	12.6	37.8





#74

N-amvl acetate

Concen: 575.218 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. 0.03 min

Lab File: VF059654.D

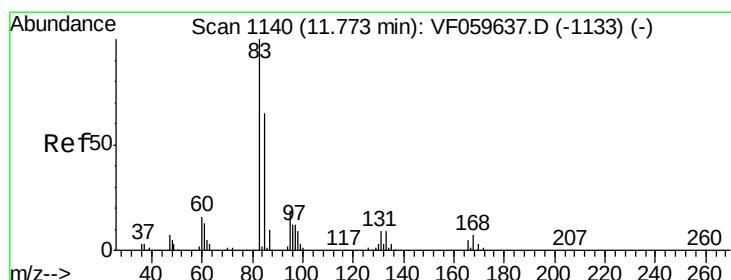
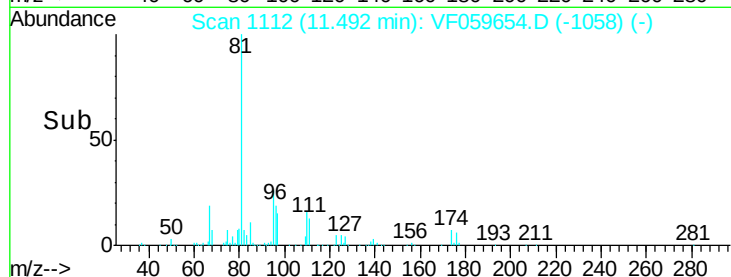
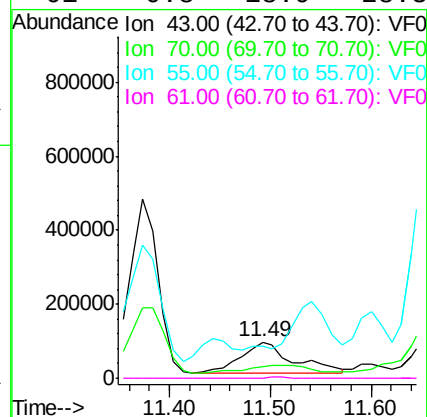
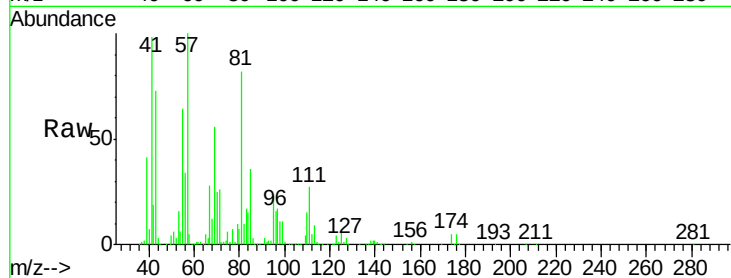
Acq: 25 Jul 2018 2:18

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	43	Resp:	305101
Ion	Ratio	Lower	Upper
43	100		
70	33.7	29.4	44.0
55	88.0	18.2	27.4#
61	0.8	18.9	28.3#



#75

1,1,2,2-Tetrachloroethane

Concen: 588.083 ug/l

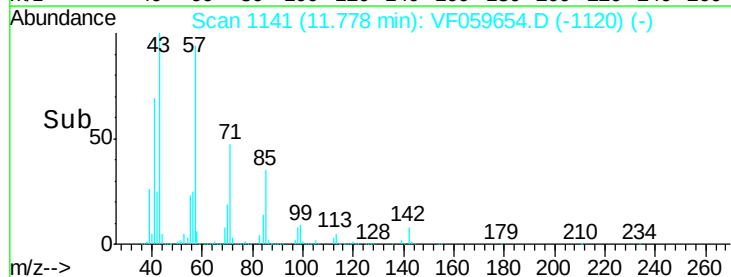
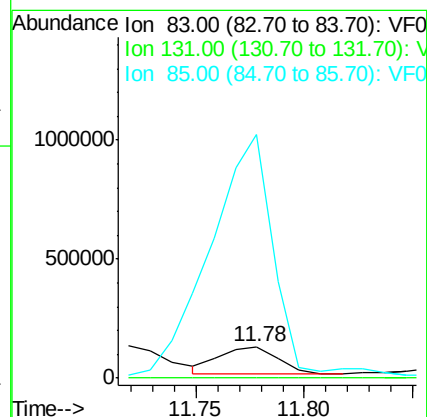
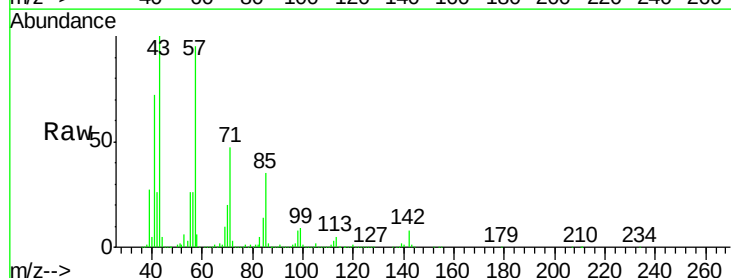
RT: 11.78 min Scan# 1141

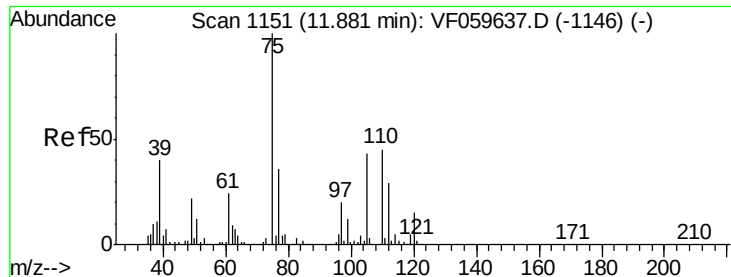
Delta R.T. 0.00 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

Tgt Ion:	83	Resp:	220299
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.5	13.5#
85	780.9	32.6	97.7#





#76

1,2,3-Trichloropropane

Concen: 57.492 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. 0.04 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

Instrument :

MSVOA_F

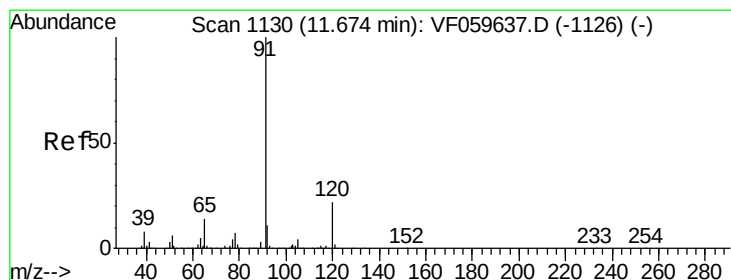
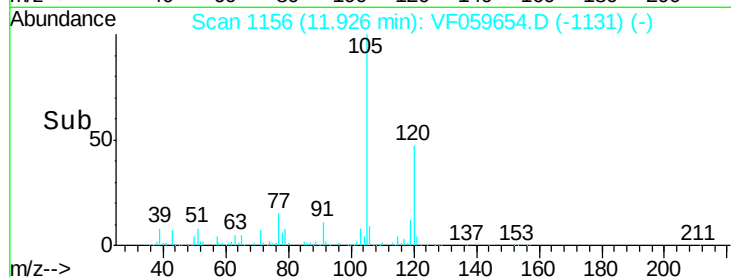
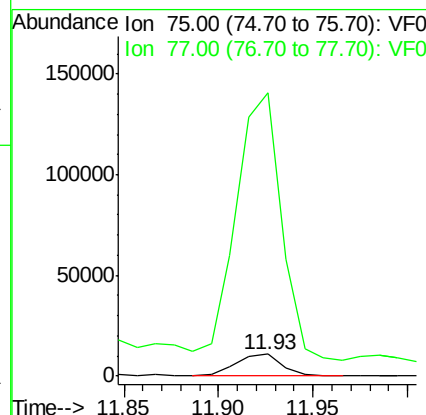
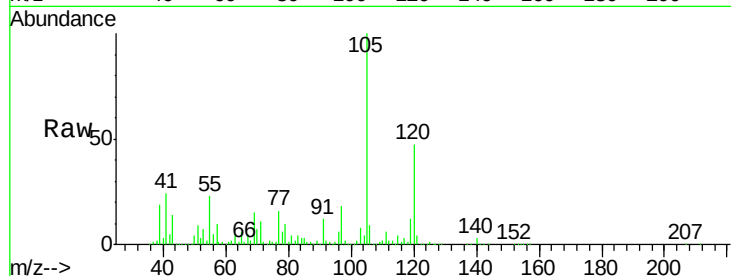
ClientSampleId :

Tot Ion: 75 Resp: 17789

Ion Ratio Lower Upper

75 100

77 1279.7 18.4 55.0#



#78

n-propylbenzene

Concen: 13.030 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF059654.D

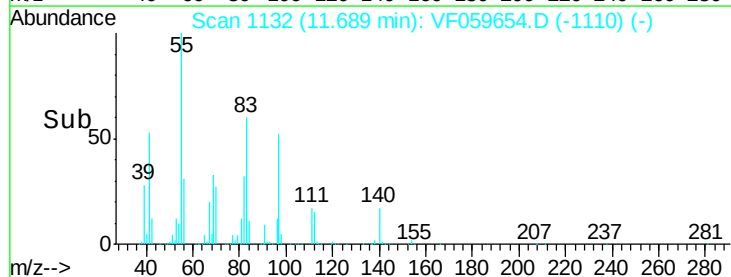
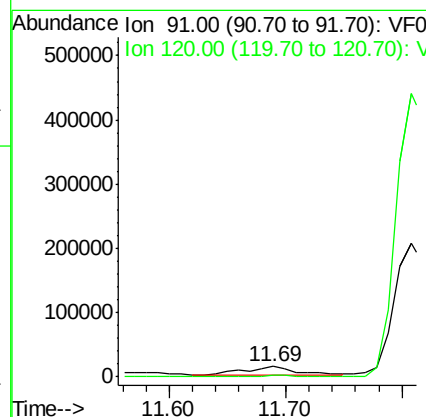
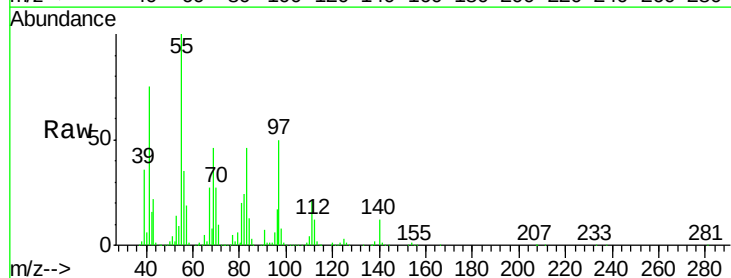
Acq: 25 Jul 2018 2:18

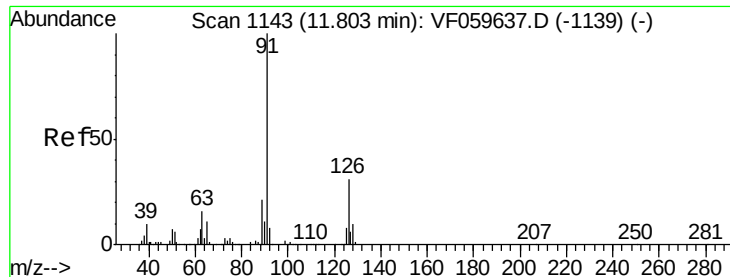
Tgt Ion: 91 Resp: 38368

Ion Ratio Lower Upper

91 100

120 13.9 10.8 32.4





#79

2-Chlorotoluene

Concen: 254.573 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

Instrument :

MSVOA_F

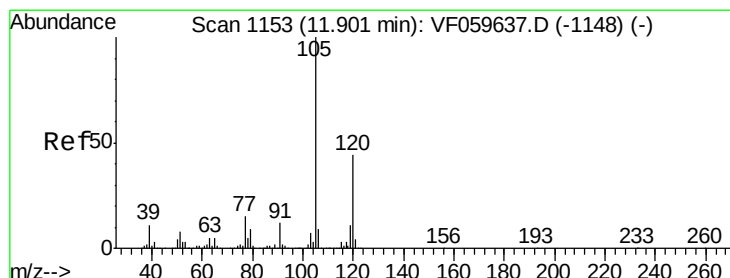
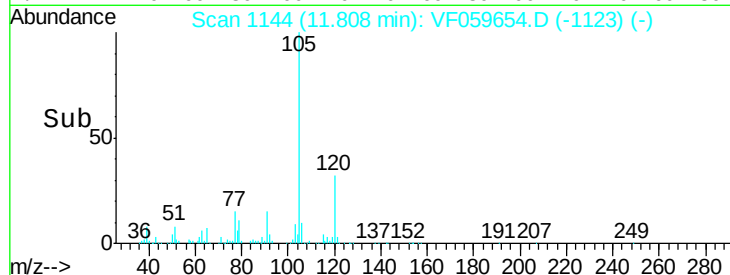
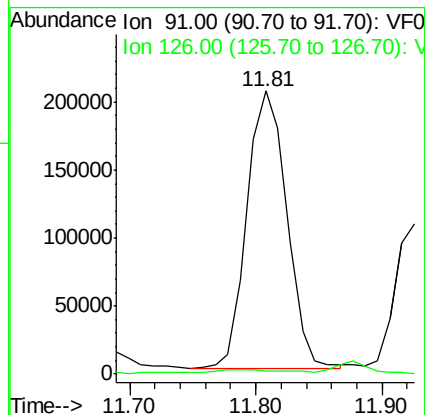
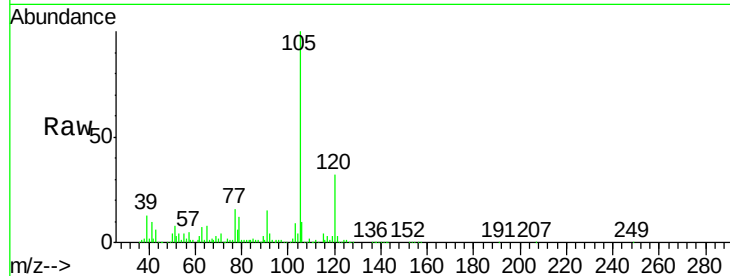
ClientSampleId :

Tot Ion: 91 Resp: 451137

Ion Ratio Lower Upper

91 100

126 1.0 15.4 46.4#



#80

1,3,5-Trimethylbenzene

Concen: 680.923 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. 0.02 min

Lab File: VF059654.D

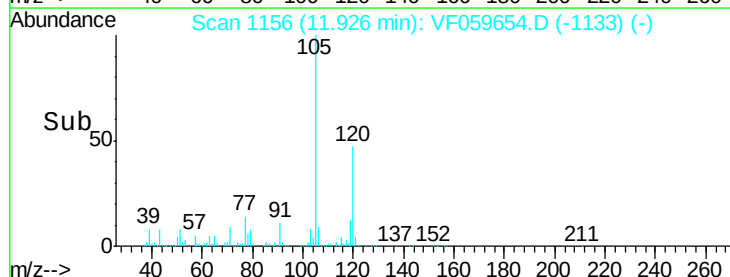
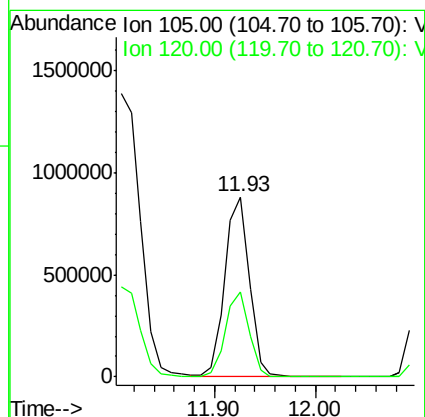
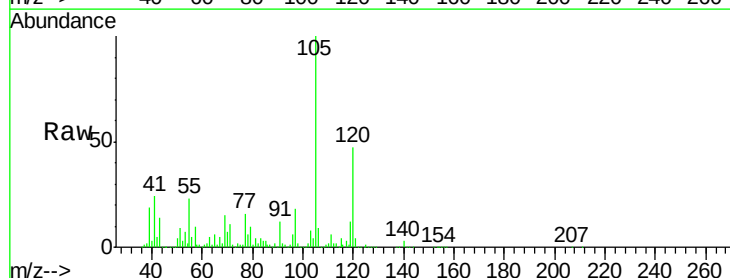
Acq: 25 Jul 2018 2:18

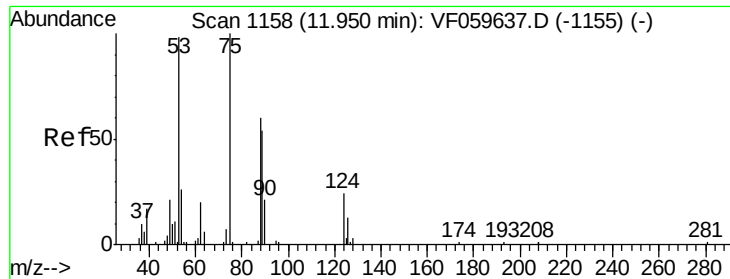
Tgt Ion:105 Resp: 1496431

Ion Ratio Lower Upper

105 100

120 47.3 21.8 65.4





#81

trans-1,4-Dichloro-2-butene

Concen: 93.402 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. -0.02 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

Instrument :

MSVOA_F

ClientSampleId :

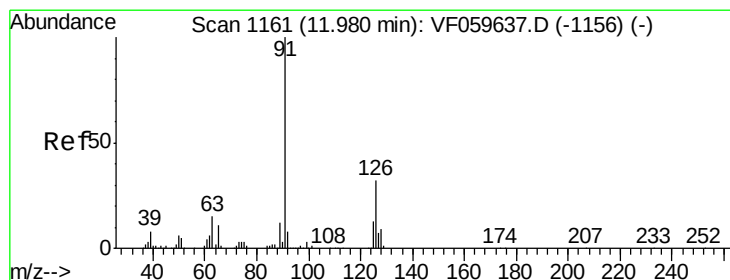
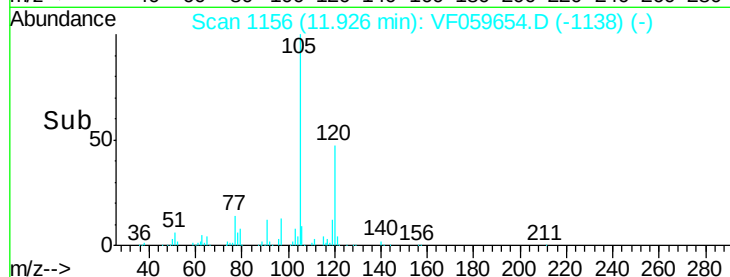
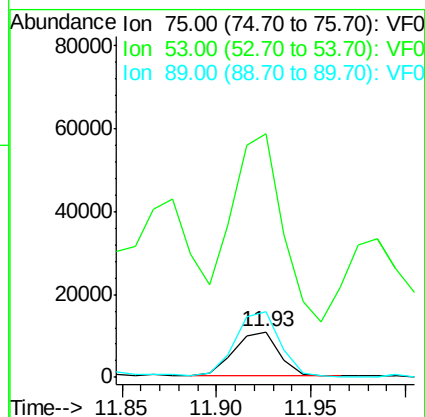
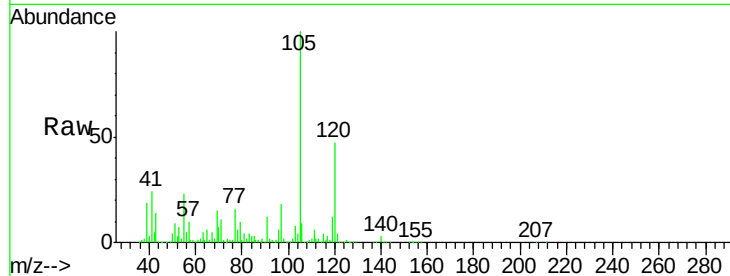
Tot Ion: 75 Resp: 17789

Ion Ratio Lower Upper

75 100

53 535.5 82.3 123.5#

89 145.6 48.2 72.2#



#82

4-Chlorotoluene

Concen: 88.786 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. -0.05 min

Lab File: VF059654.D

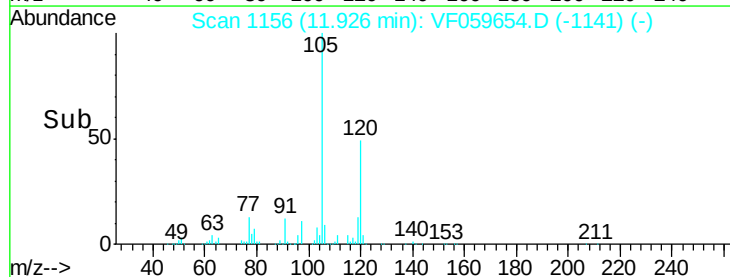
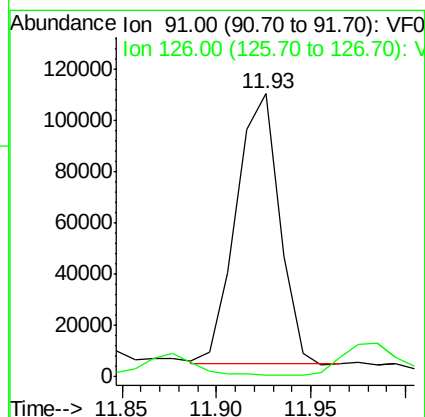
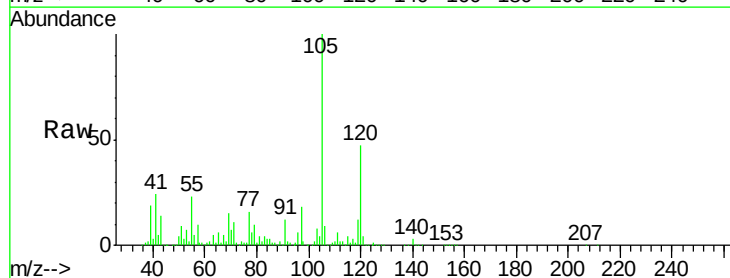
Acq: 25 Jul 2018 2:18

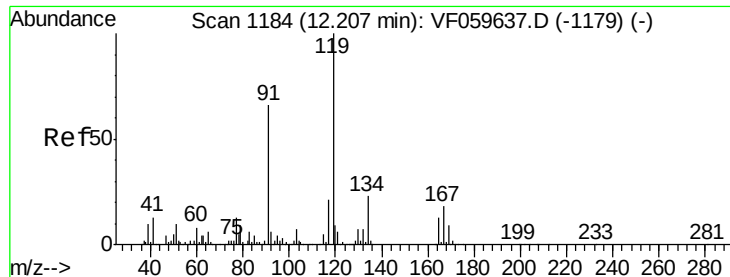
Tgt Ion: 91 Resp: 167898

Ion Ratio Lower Upper

91 100

126 0.6 16.1 48.2#

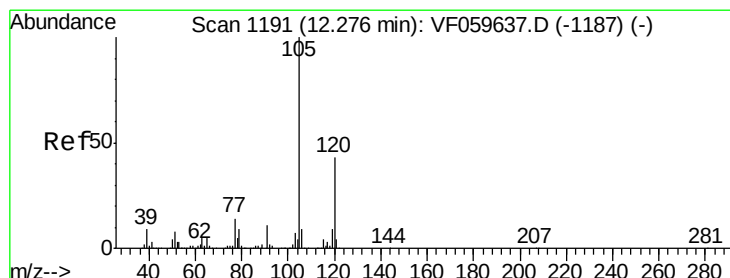
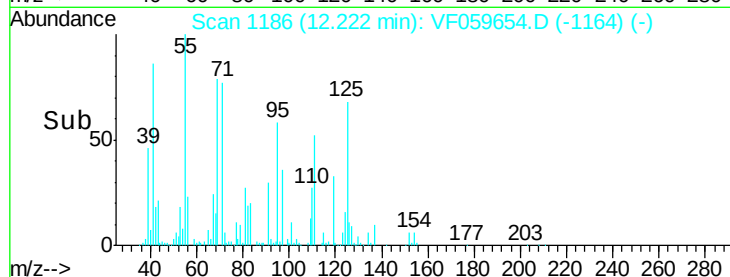
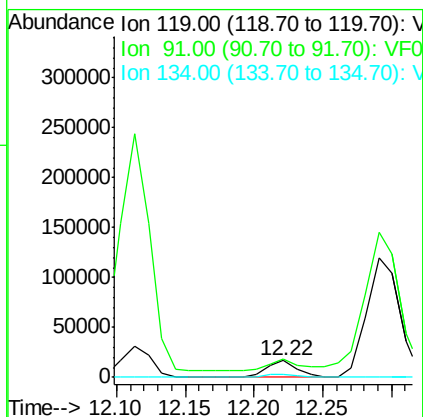
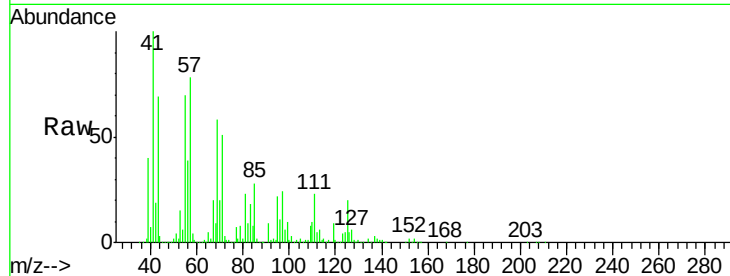




#83
tert-Butylbenzene
Concen: 12.035 ug/l
RT: 12.22 min Scan# 1186
Delta R.T. 0.01 min
Lab File: VF059654.D
Acq: 25 Jul 2018 2:18

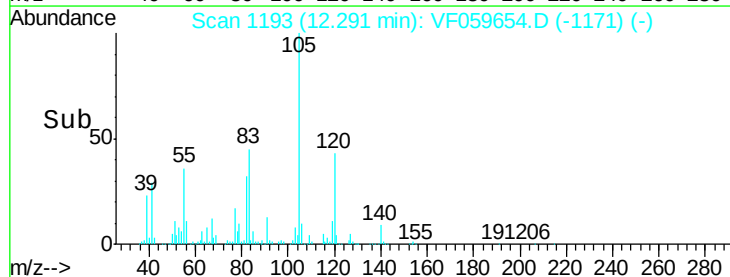
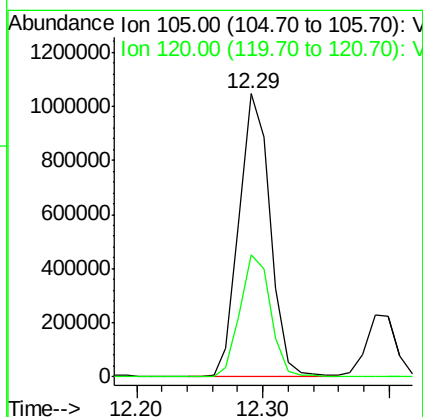
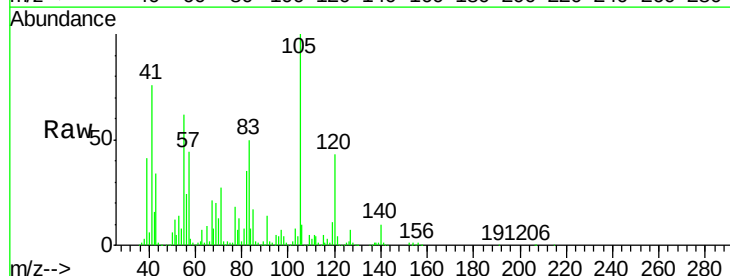
Instrument :
MSVOA_F
ClientSampled :

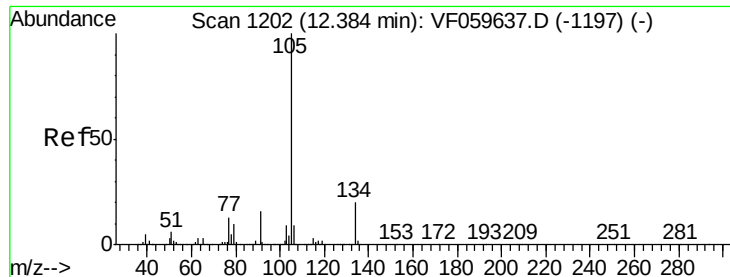
Tot Ion:119 Resp: 26665
Ion Ratio Lower Upper
119 100
91 107.9 33.2 99.6#
134 19.1 11.5 34.4



#84
1,2,4-Trimethylbenzene
Concen: 787.405 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. 0.01 min
Lab File: VF059654.D
Acq: 25 Jul 2018 2:18

Tgt Ion:105 Resp: 1776081
Ion Ratio Lower Upper
105 100
120 43.2 21.4 64.2





#85

sec-Butylbenzene

Concen: 126.373 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

Instrument :

MSVOA_F

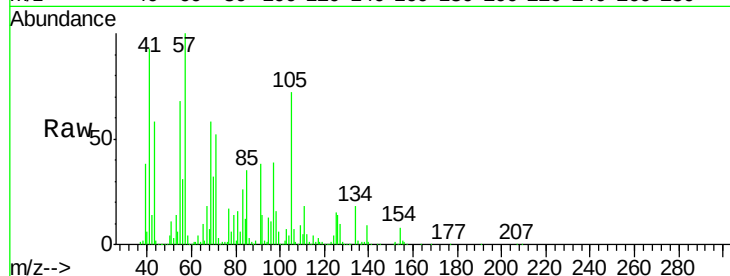
ClientSampleId :

Tot Ion:105 Resp: 373300

Ion Ratio Lower Upper

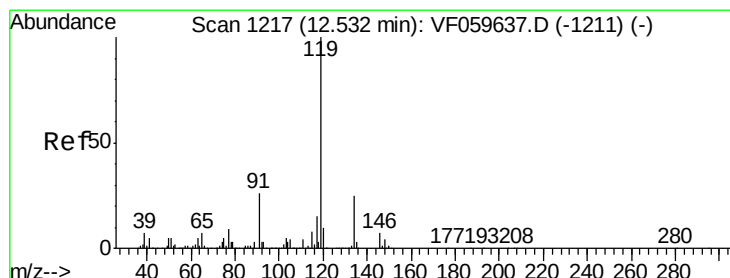
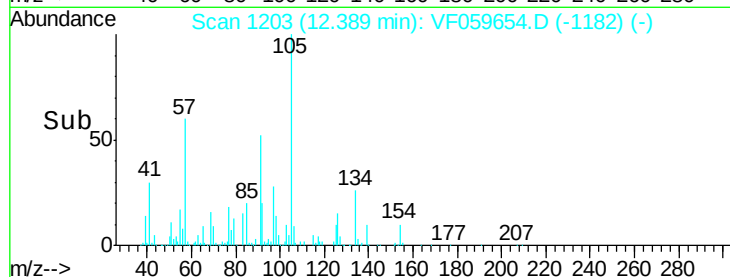
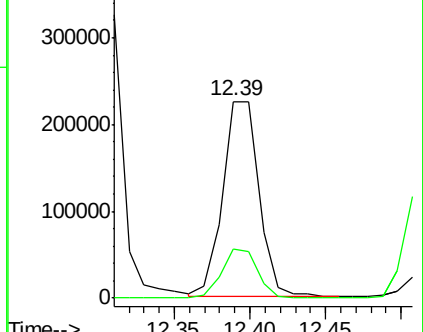
105 100

134 25.3 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 617.422 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

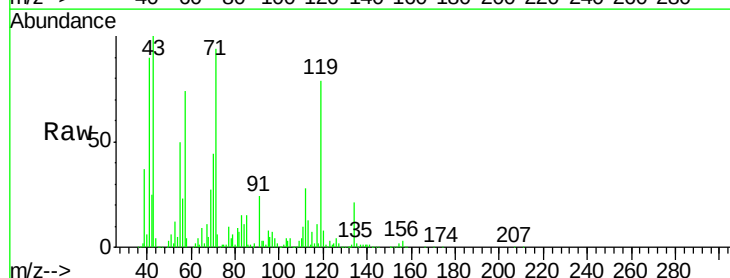
Tgt Ion:119 Resp: 1587761

Ion Ratio Lower Upper

119 100

134 26.9 12.4 37.0

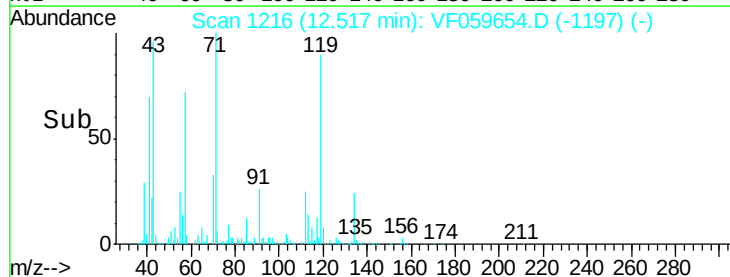
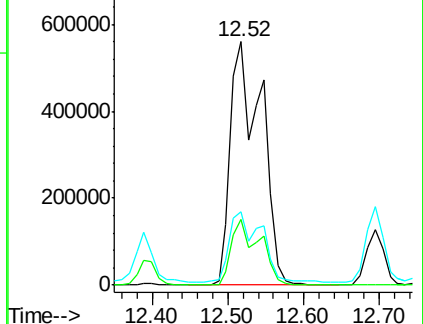
91 29.9 13.1 39.1

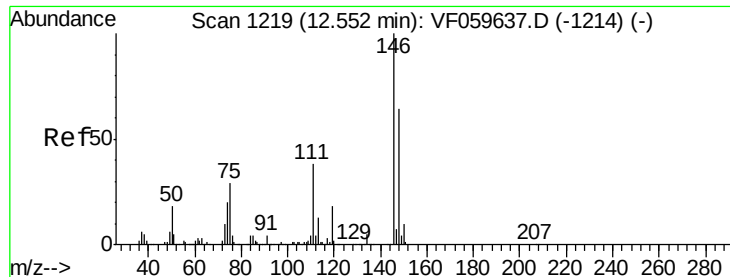


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.55 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

Instrument :

MSVOA_F

ClientSampleId :

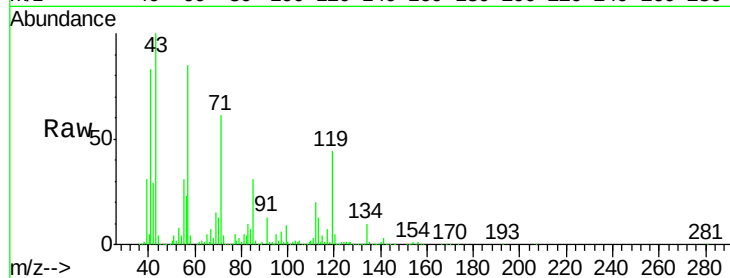
Tot Ion:146 Resp: 494

Ion Ratio Lower Upper

146 100

111 12638.8 19.1 57.1#

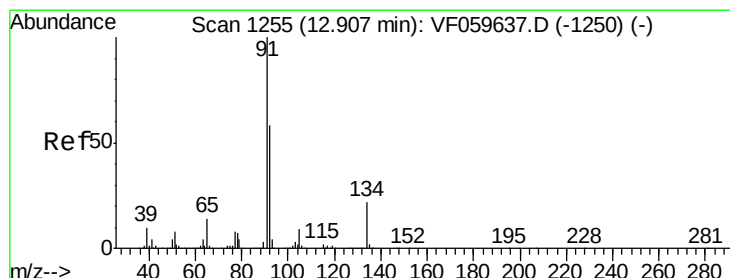
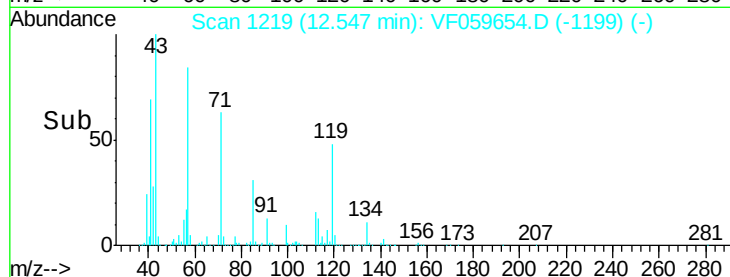
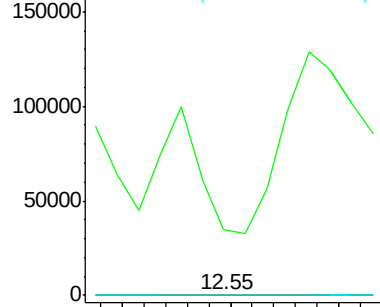
148 0.0 31.9 95.9#



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: 197.963 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

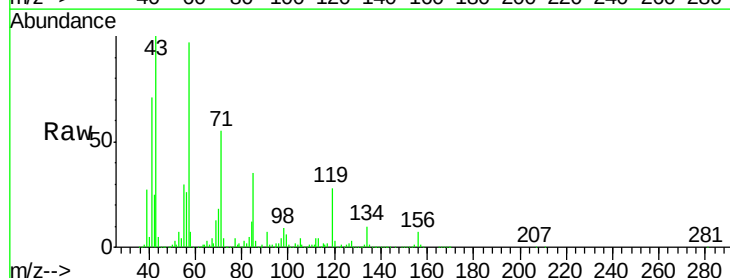
Tgt Ion: 91 Resp: 404534

Ion Ratio Lower Upper

91 100

92 14.7 29.1 87.3#

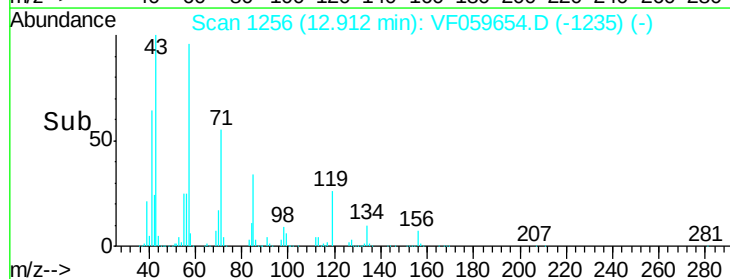
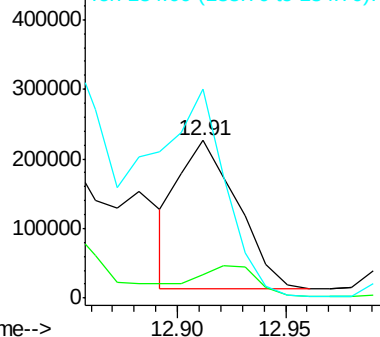
134 132.9 11.2 33.6#

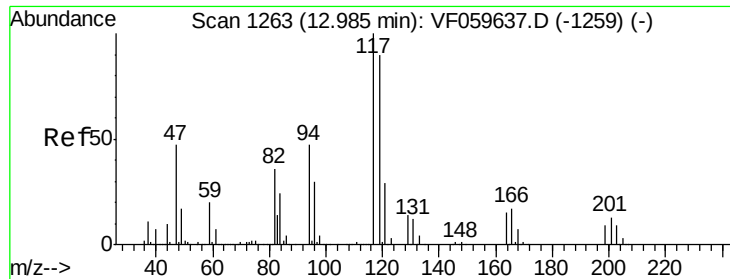


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V

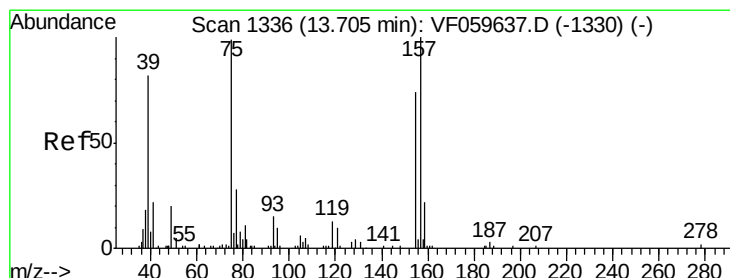
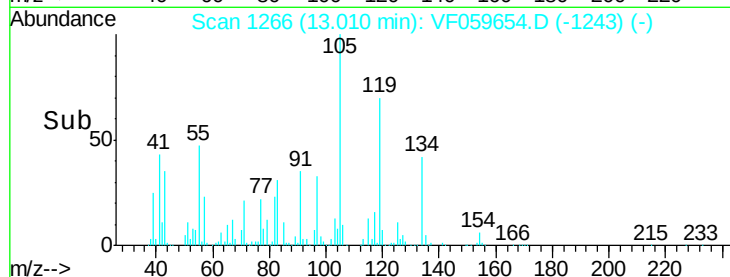
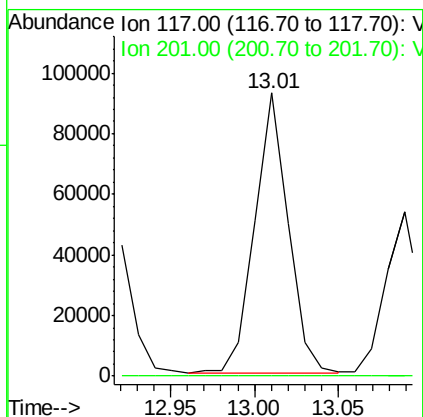
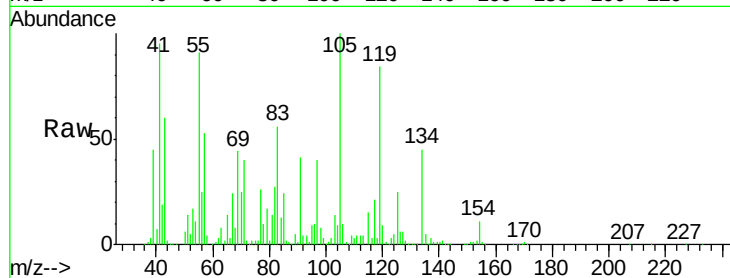




#90
Hexachloroethane
Concen: 203.167 ug/l
RT: 13.01 min Scan# 1266
Delta R.T. 0.02 min
Lab File: VF059654.D
Acq: 25 Jul 2018 2:18

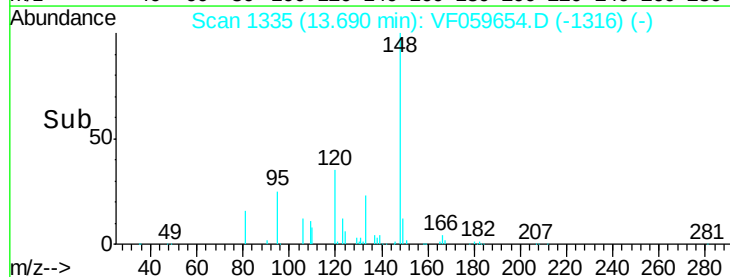
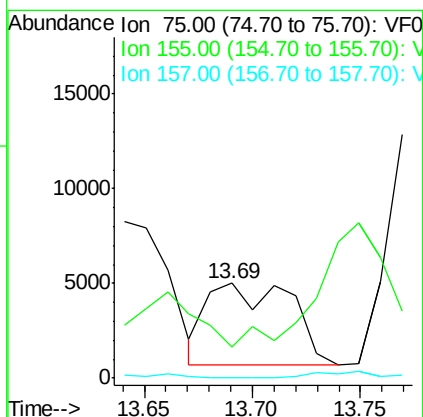
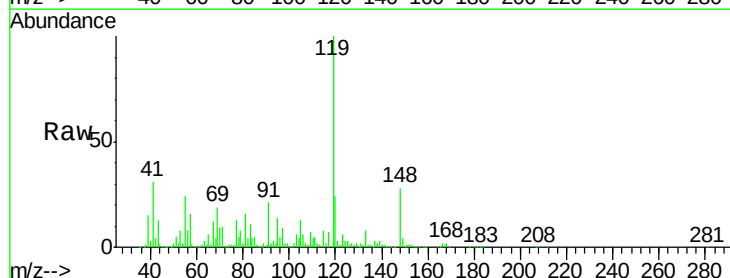
Instrument :
MSVOA_F
ClientSampleId :

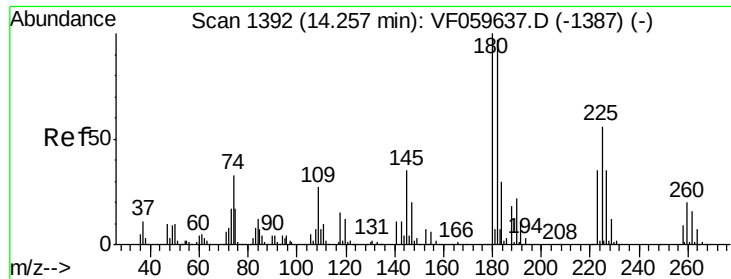
Tot Ion:117 Resp: 127450
Ion Ratio Lower Upper
117 100
201 0.0 6.6 19.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 119.393 ug/l
RT: 13.69 min Scan# 1335
Delta R.T. -0.01 min
Lab File: VF059654.D
Acq: 25 Jul 2018 2:18

Tgt Ion: 75 Resp: 11533
Ion Ratio Lower Upper
75 100
155 33.1 37.5 112.7#
157 0.0 50.6 151.9#

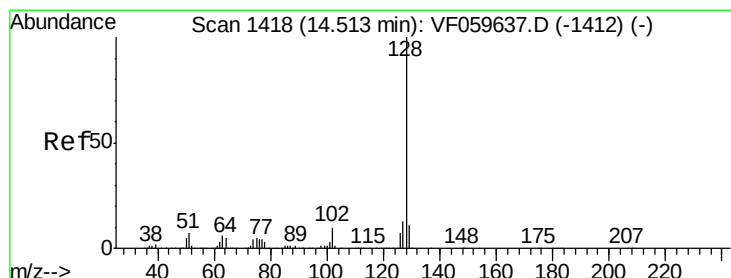
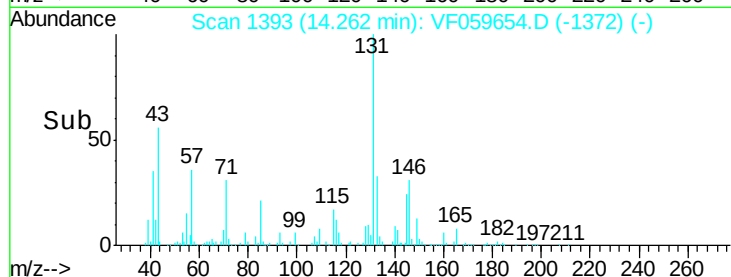
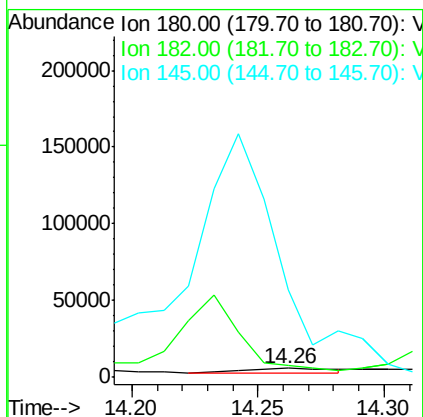
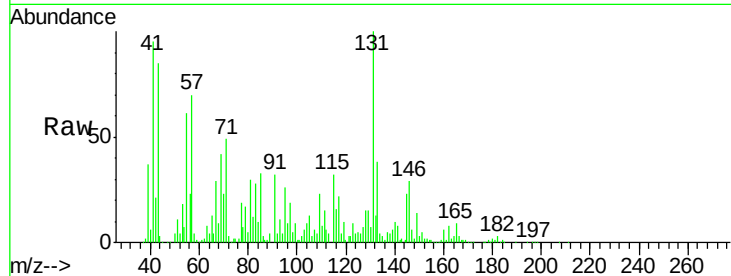




#93
 1,2,4-Trichlorobenzene
 Concen: 3.557 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059654.D
 Acq: 25 Jul 2018 2:18

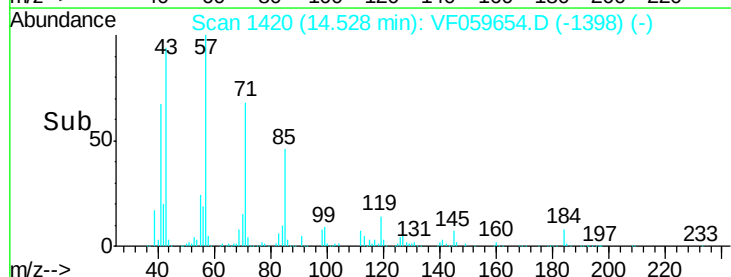
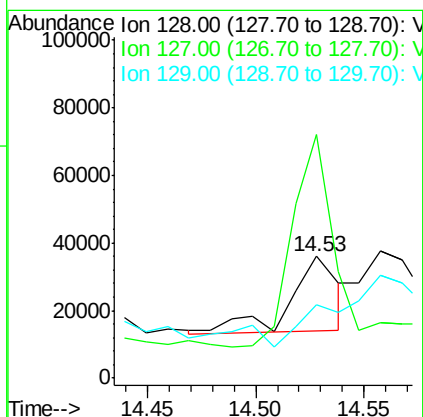
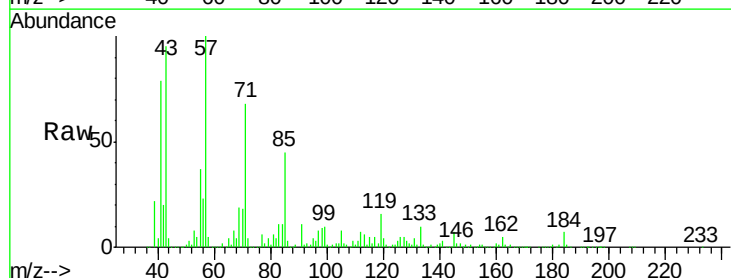
Instrument :
 MSVOA_F
 ClientSampled :

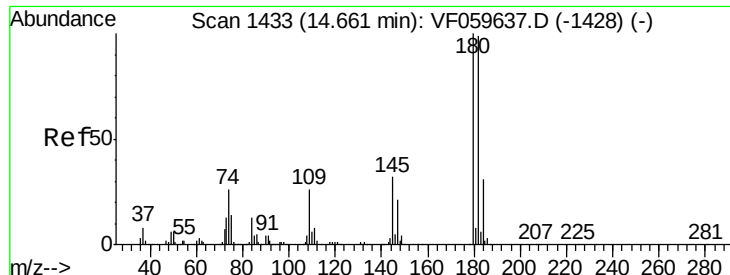
Tot Ion:180 Resp: 7036
 Ion Ratio Lower Upper
 180 100
 182 128.2 48.5 145.6
 145 971.5 17.4 52.2#



#95
 Naphthalene
 Concen: 24.564 ug/l
 RT: 14.53 min Scan# 1420
 Delta R.T. 0.01 min
 Lab File: VF059654.D
 Acq: 25 Jul 2018 2:18

Tgt Ion:128 Resp: 34419
 Ion Ratio Lower Upper
 128 100
 127 200.0 10.1 15.1#
 129 60.5 9.1 13.7#





#96

1,2,3-Trichlorobenzene

Concen: 42.035 ug/l

RT: 14.71 min Scan# 1438

Delta R.T. 0.04 min

Lab File: VF059654.D

Acq: 25 Jul 2018 2:18

Instrument :

MSVOA_F

ClientSampleId :

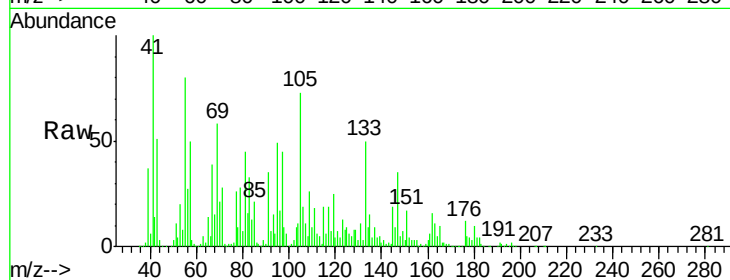
Tot Ion:180 Resp: 33583

Ion Ratio Lower Upper

180 100

182 42.7 49.5 148.5#

145 192.7 16.0 48.0#



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

