

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
 Data File : VF060597.D
 Acq On : 6 Nov 2018 6:14
 Operator : VA/AP
 Sample : J5767-07
 Misc : 5.27/5mL/MSVOA-F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 06 07:43:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	48354	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.60	114	63649	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	15566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	10696	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	32828	67.19	ug/l	0.00
Spiked Amount			Recovery	=	134.38%	
35) Dibromofluoromethane	4.11	113	34457	70.07	ug/l	0.00
Spiked Amount			Recovery	=	140.14%	
50) Toluene-d8	7.57	98	5402	3.71	ug/l	0.00
Spiked Amount			Recovery	=	7.42%	
62) 4-Bromofluorobenzene	11.42	95	12471	19.57	ug/l	0.00
Spiked Amount			Recovery	=	39.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	417	Below Cal	#	41
3) Chloromethane	1.13	50	697	1.647	ug/l #	45
6) Chloroethane	1.39	64	237	Below Cal	#	38
8) Diethyl Ether	1.64	74	841	6.217	ug/l	67
11) Tert butyl alcohol	2.59	59	497	13.000	ug/l #	1
12) 1,1-Dichloroethene	1.80	96	559	1.591	ug/l #	1
13) Acrolein	1.98	56	462	Below Cal	#	27
14) Allyl chloride	2.09	41	1589	2.770	ug/l #	53
15) Acrylonitrile	2.94	53	1156	19.854	ug/l #	37
16) Acetone	2.24	43	4968	43.154	ug/l	95
18) Methyl Acetate	2.35	43	2182	12.564	ug/l #	89
20) Methylene Chloride	2.20	84	6393	14.892	ug/l #	79
23) Vinyl Acetate	3.14	43	873	1.196	ug/l	99
25) 2-Butanone	4.35	43	2000	Below Cal	#	78
29) Tetrahydrofuran	4.09	42	740	Below Cal	#	1
37) Ethyl Acetate	4.13	43	359	1.067	ug/l #	17
41) Methacrylonitrile	4.78	41	300	1.575	ug/l #	61
43) Isopropyl Acetate	6.97	43	930	2.185	ug/l #	45
48) Methyl methacrylate	6.80	41	373	1.395	ug/l	86
49) 1,4-Dioxane	6.93	88	66	23.590	ug/l #	1
51) 4-Methyl-2-Pentanone	8.28	43	3768	13.167	ug/l #	77
56) Ethyl methacrylate	8.64	69	1041	2.509	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.62	63	80	Below Cal		100
59) 2-Hexanone	9.51	43	3036	Below Cal		93
67) Ethyl Benzene	9.90	91	682	1.181	ug/l #	44
68) m/p-Xylenes	10.14	106	370	1.700	ug/l #	64
74) N-amyl acetate	11.32	43	462	Below Cal	#	61
75) 1,1,2,2-Tetrachloroethane	11.70	83	159	1.044	ug/l #	33
76) 1,2,3-Trichloropropane	11.86	75	79	1.056	ug/l #	1
78) n-propylbenzene	11.61	91	1365	1.399	ug/l #	55
80) 1,3,5-Trimethylbenzene	11.84	105	732	1.065	ug/l	72
81) trans-1,4-Dichloro-2-buten	11.86	75	79	1.343	ug/l #	16
82) 4-Chlorotoluene	11.91	91	987	1.697	ug/l #	43
84) 1,2,4-Trimethylbenzene	12.20	105	941	1.398	ug/l	80

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QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration

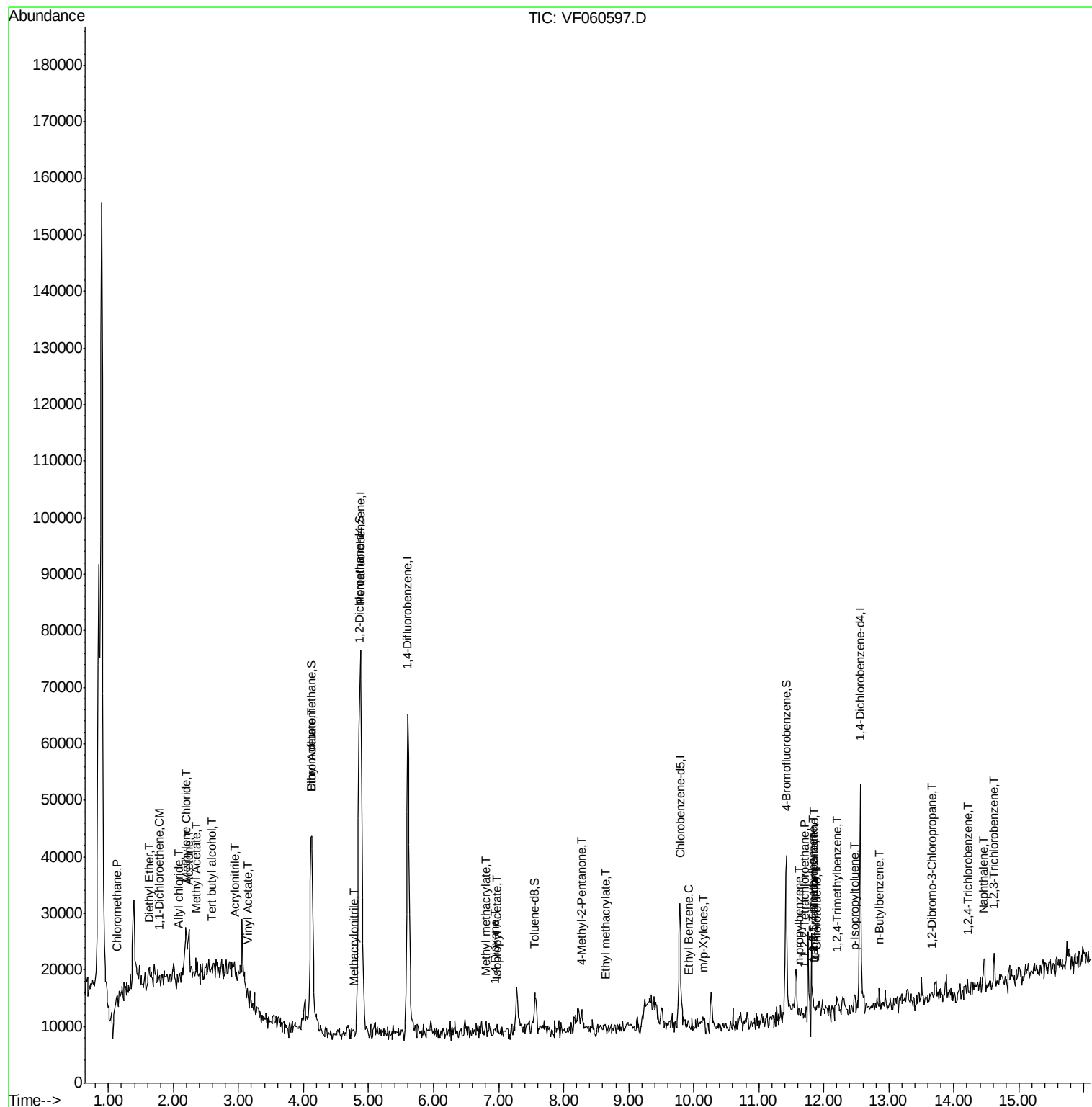
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	12.47	119	968	1.217	ug/l	90
89) n-Butylbenzene	12.85	91	1351	1.186	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.65	75	205	7.750	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.20	180	419	1.840	ug/l	73
95) Naphthalene	14.47	128	2986	6.552	ug/l #	79
96) 1,2,3-Trichlorobenzene	14.61	180	471	2.190	ug/l	80

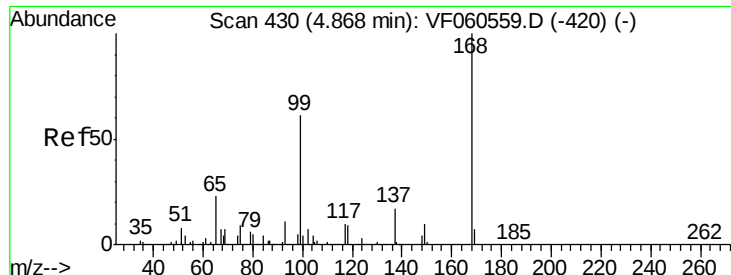
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110518\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF060597.D

Acq: 6 Nov 2018 6:14

Instrument :

MSVOA_F

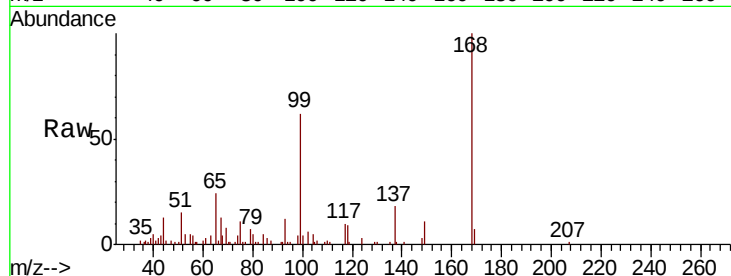
ClientSampleId :

Tot Ion:168 Resp: 48354

Ion Ratio Lower Upper

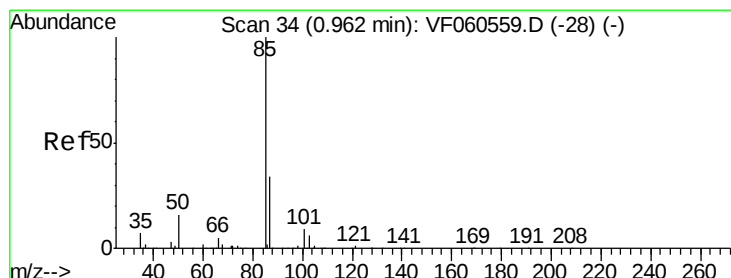
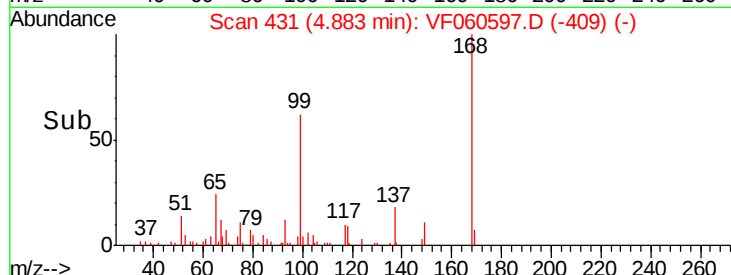
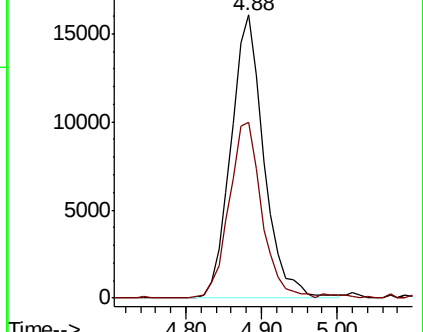
168 100

99 61.9 48.6 72.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.99 min Scan# 36

Delta R.T. 0.03 min

Lab File: VF060597.D

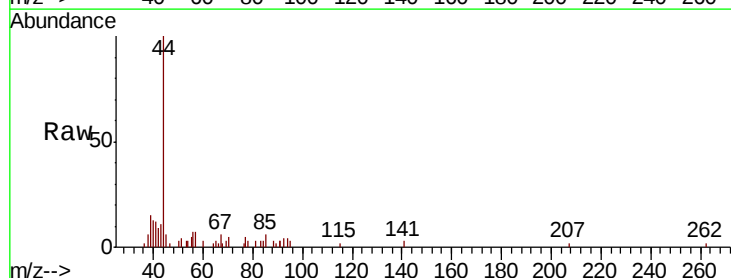
Acq: 6 Nov 2018 6:14

Tgt Ion: 85 Resp: 417

Ion Ratio Lower Upper

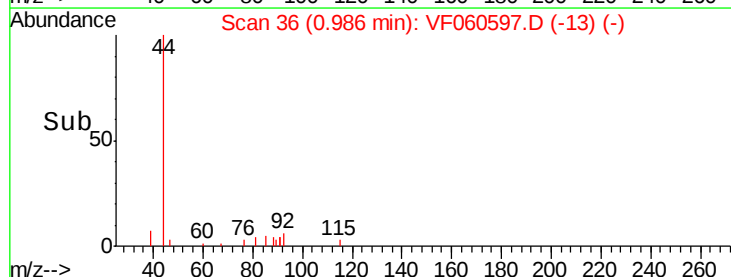
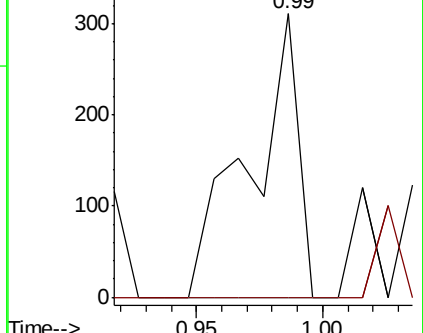
85 100

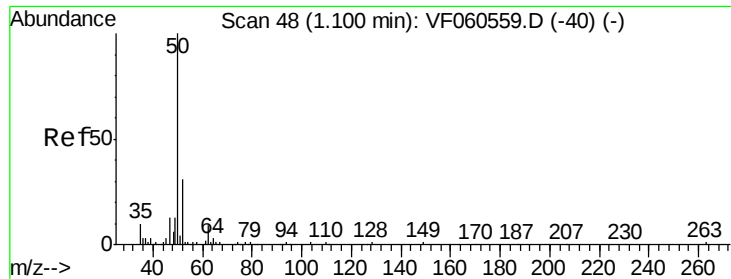
87 0.0 16.9 50.7#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 1.647 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.03 min

Lab File: VF060597.D

Acq: 6 Nov 2018 6:14

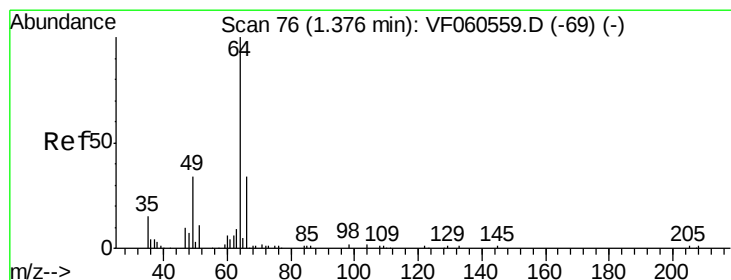
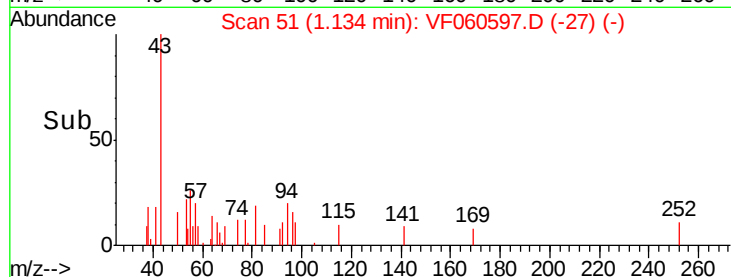
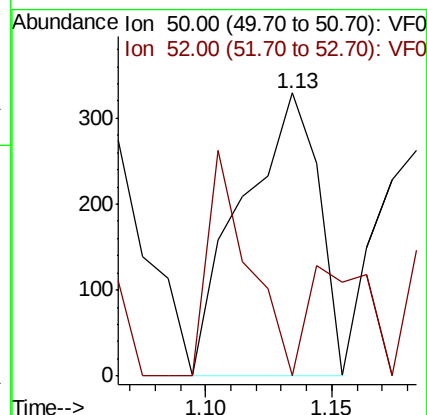
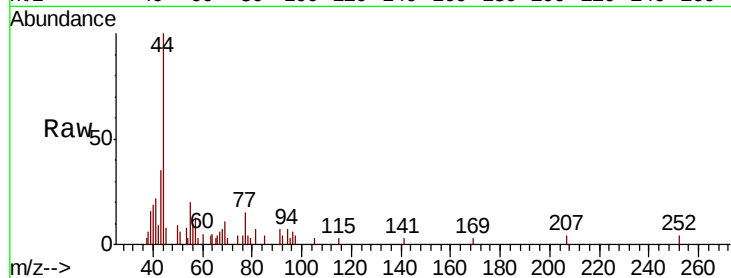
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 50 Resp: 697

Ion Ratio Lower Upper

50 100

52 0.0 24.0 36.0#



#6

Chloroethane

Concen: Below Cal

RT: 1.39 min Scan# 77

Delta R.T. 0.02 min

Lab File: VF060597.D

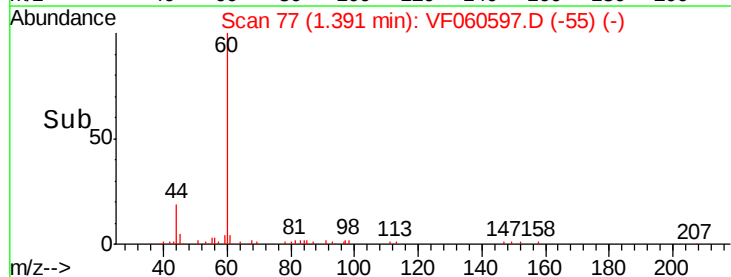
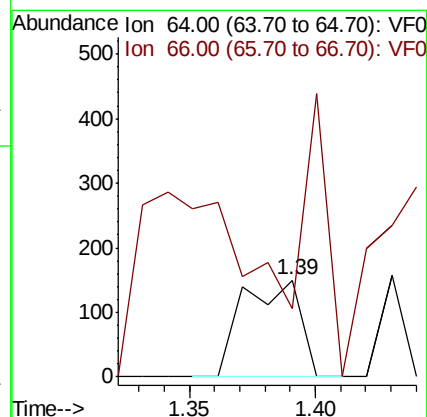
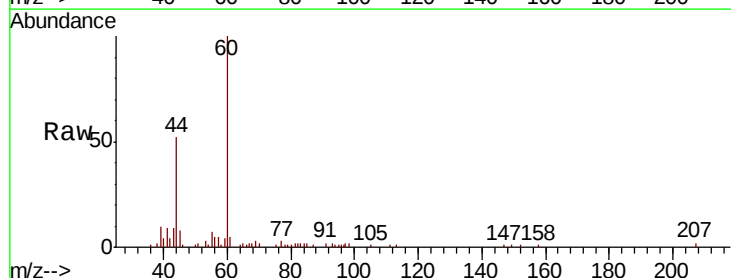
Acq: 6 Nov 2018 6:14

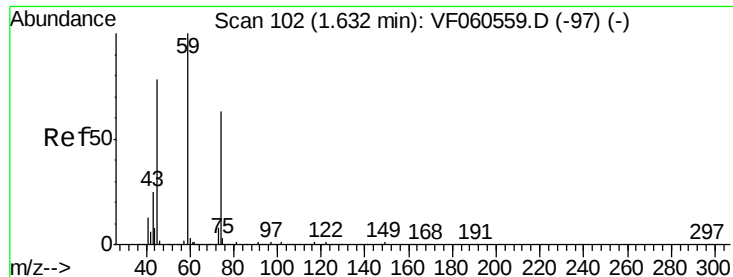
Tgt Ion: 64 Resp: 237

Ion Ratio Lower Upper

64 100

66 70.7 27.8 41.8#





#8

Diethyl Ether

Concen: 6.217 ug/l

RT: 1.64 min Scan# 102

Delta R.T. 0.01 min

Lab File: VF060597.D

Acq: 6 Nov 2018 6:14

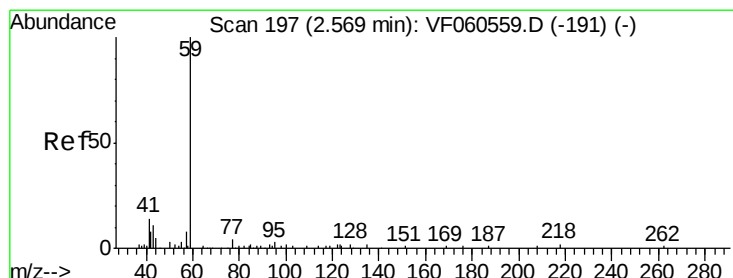
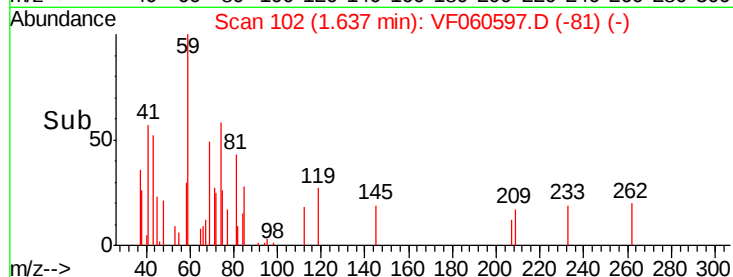
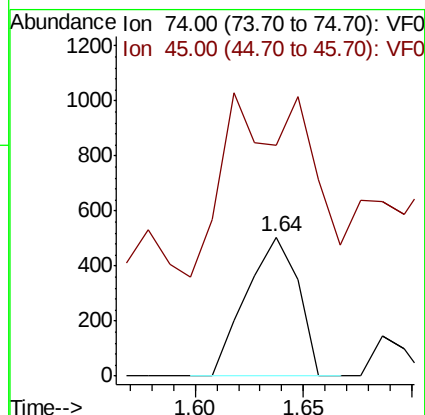
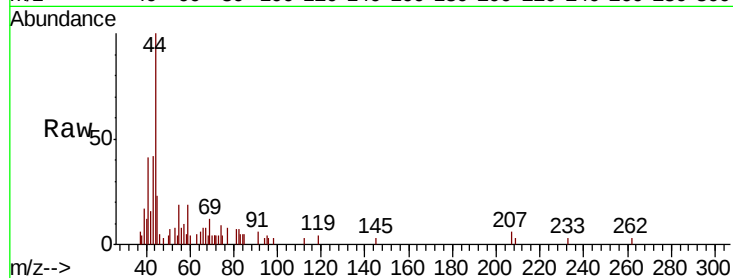
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 74 Resp: 841

Ion Ratio Lower Upper

74 100

45 166.0 63.8 191.5



#11

Tert butyl alcohol

Concen: 13.000 ug/l

RT: 2.59 min Scan# 199

Delta R.T. 0.03 min

Lab File: VF060597.D

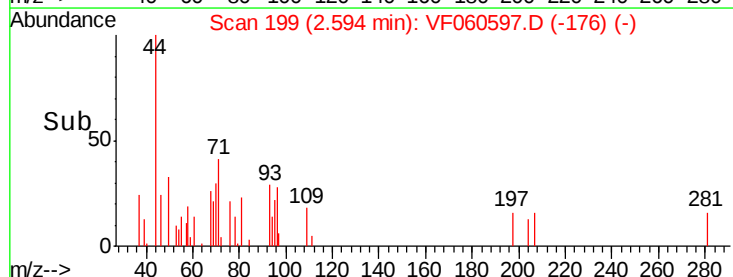
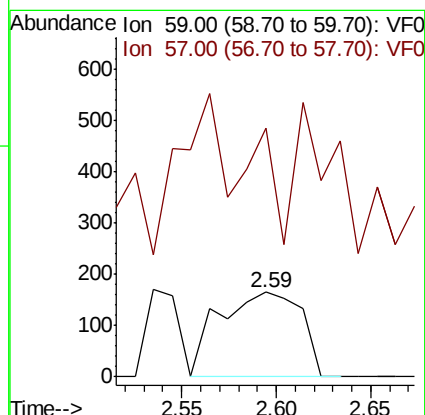
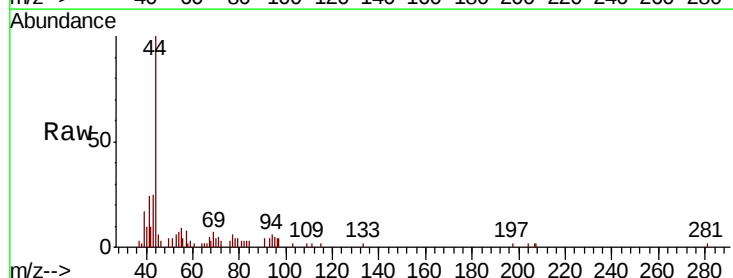
Acq: 6 Nov 2018 6:14

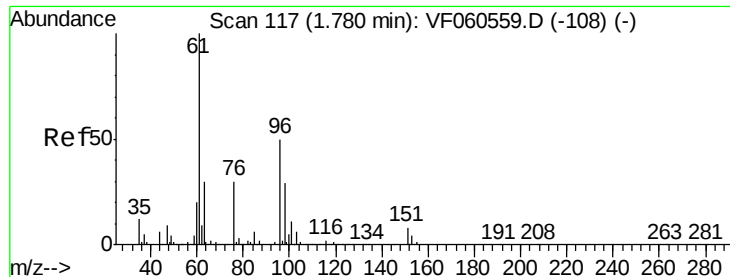
Tgt Ion: 59 Resp: 497

Ion Ratio Lower Upper

59 100

57 293.3 19.0 28.4#





#12

1,1-Dichloroethene

Concen: 1.591 ug/l

RT: 1.80 min Scan# 118

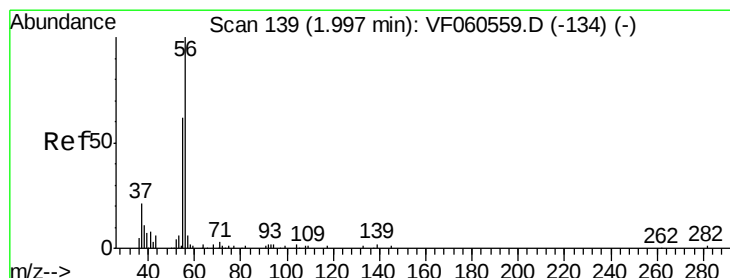
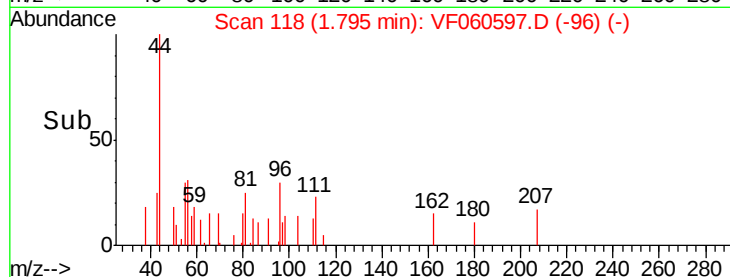
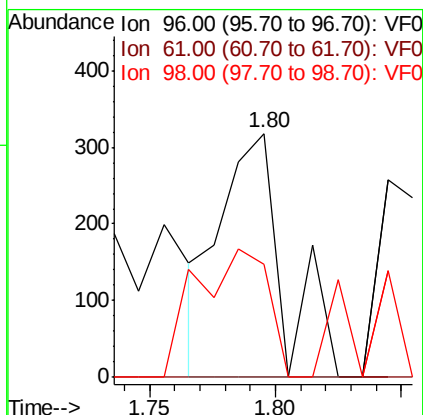
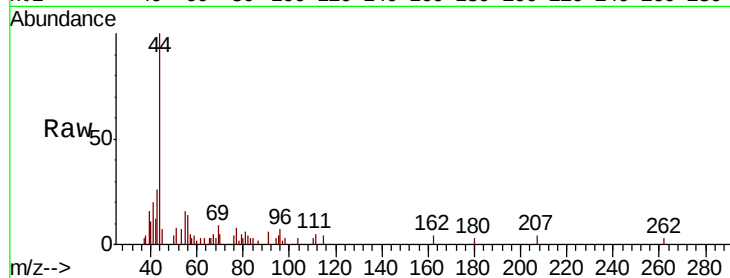
Delta R.T. 0.01 min

Lab File: VF060597.D

Acq: 6 Nov 2018 6:14

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 96 Resp: 559
Ion Ratio Lower Upper
96 100
61 0.0 158.1 237.1#
98 46.2 47.0 70.6#



#13

Acrolein

Concen: Below Cal

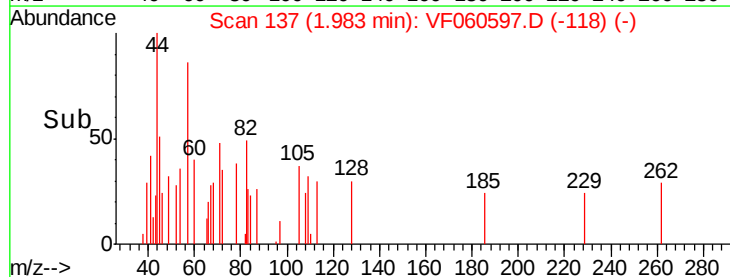
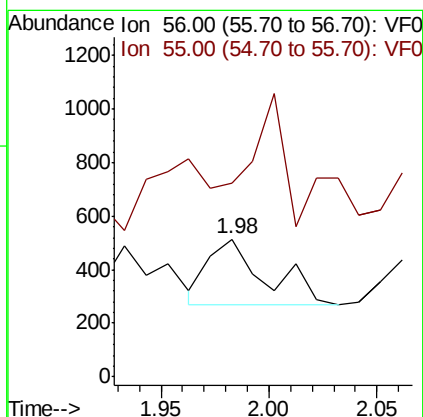
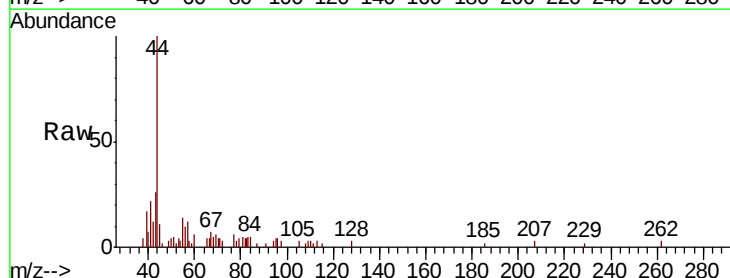
RT: 1.98 min Scan# 137

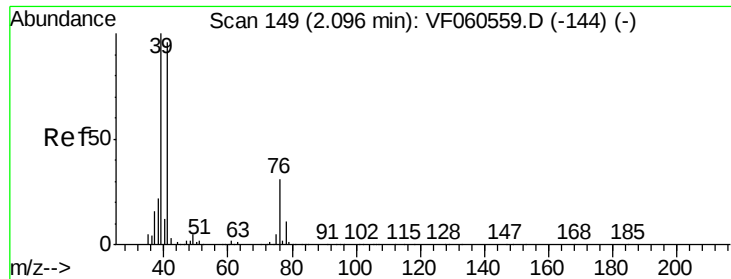
Delta R.T. -0.01 min

Lab File: VF060597.D

Acq: 6 Nov 2018 6:14

Tgt Ion: 56 Resp: 462
Ion Ratio Lower Upper
56 100
55 140.6 61.8 92.6#





#14

Allvl chloride

Concen: 2.770 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF060597.D

Acq: 6 Nov 2018 6:14

Instrument :
MSVOA_F
ClientSampled :

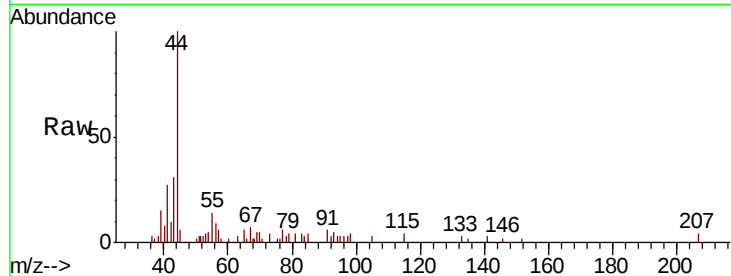
Tot Ion: 41 Resp: 1589

Ion Ratio Lower Upper

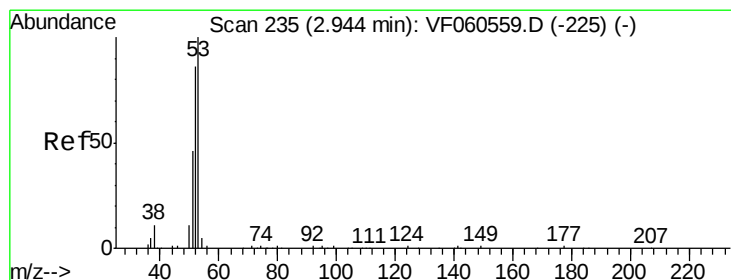
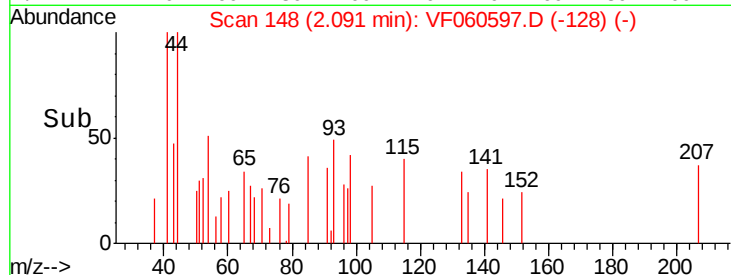
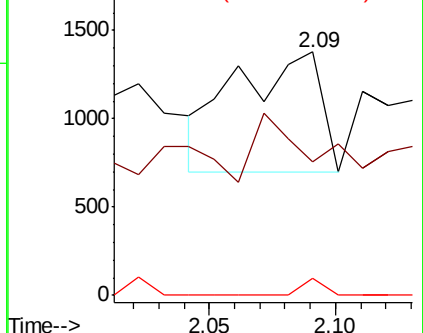
41 100

39 55.0 82.6 124.0#

76 7.3 26.7 40.1#



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 76.00 (75.70 to 76.70): VF0



#15

Acrylonitrile

Concen: 19.854 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF060597.D

Acq: 6 Nov 2018 6:14

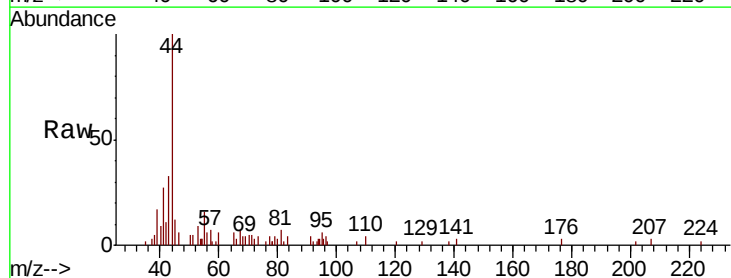
Tgt Ion: 53 Resp: 1156

Ion Ratio Lower Upper

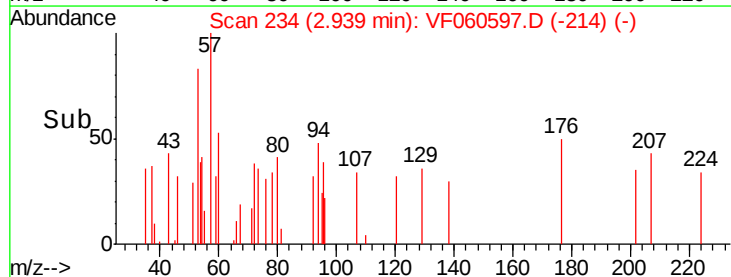
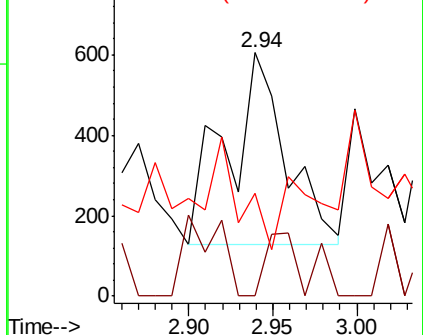
53 100

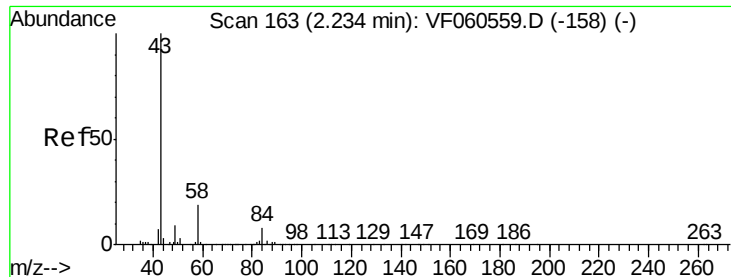
52 0.0 68.5 102.7#

51 42.1 38.2 57.2



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

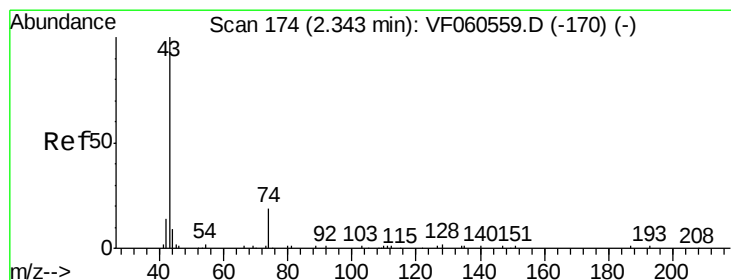
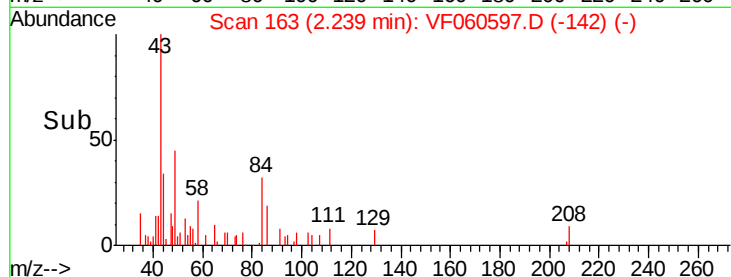
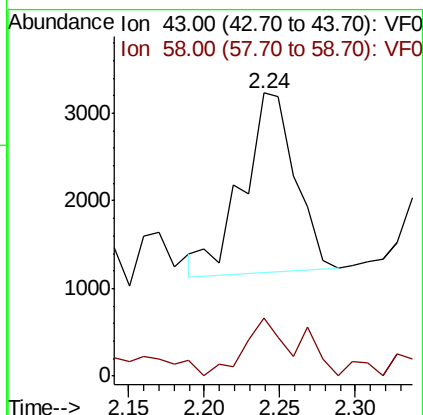
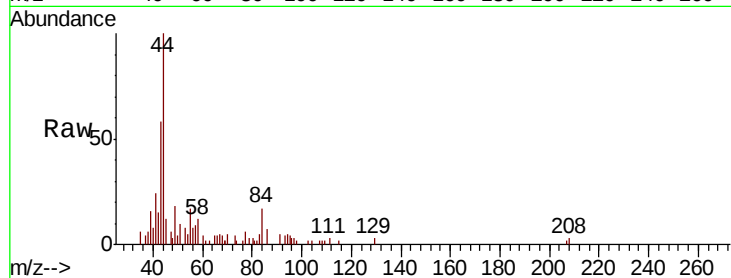




#16
Acetone
Concen: 43.154 ug/l
RT: 2.24 min Scan# 163
Delta R.T. 0.00 min
Lab File: VF060597.D
Acq: 6 Nov 2018 6:14

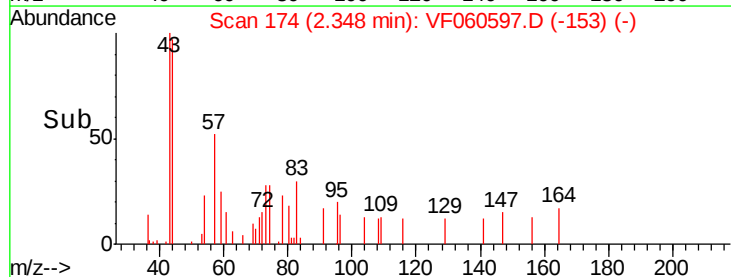
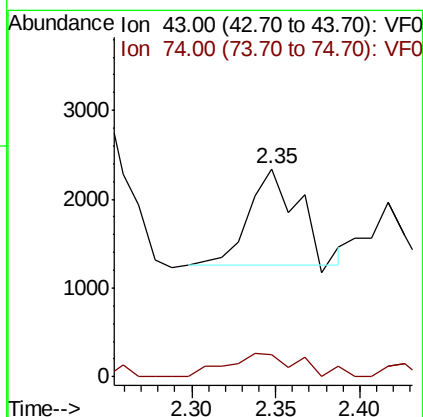
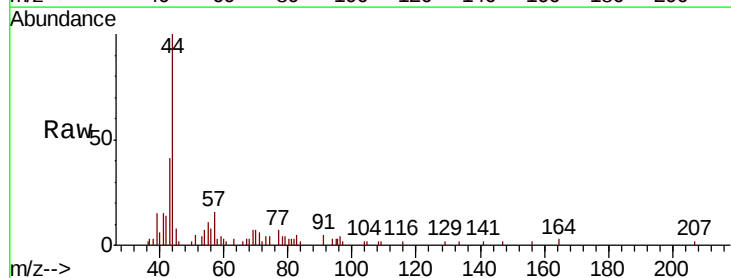
Instrument :
MSVOA_F
ClientSampleId :

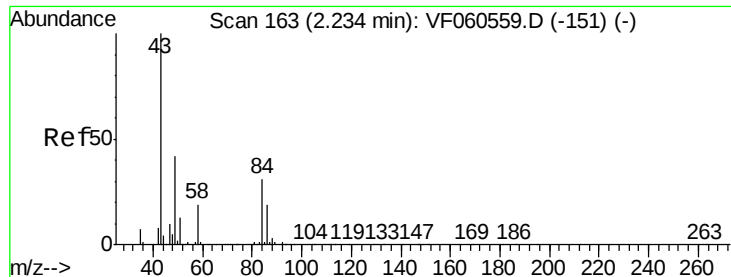
Tot Ion: 43 Resp: 4968
Ion Ratio Lower Upper
43 100
58 20.5 14.6 22.0



#18
Methyl Acetate
Concen: 12.564 ug/l
RT: 2.35 min Scan# 174
Delta R.T. 0.01 min
Lab File: VF060597.D
Acq: 6 Nov 2018 6:14

Tgt Ion: 43 Resp: 2182
Ion Ratio Lower Upper
43 100
74 10.6 12.1 18.1#

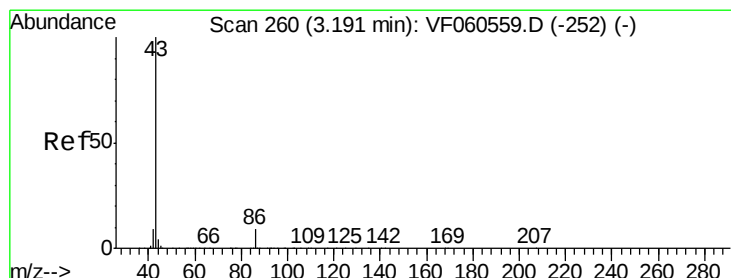
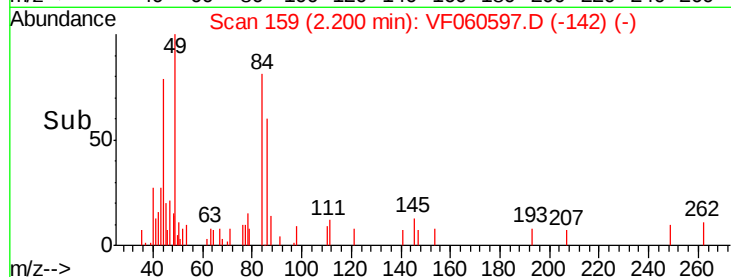
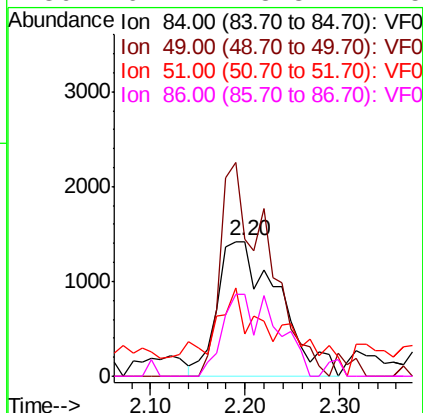
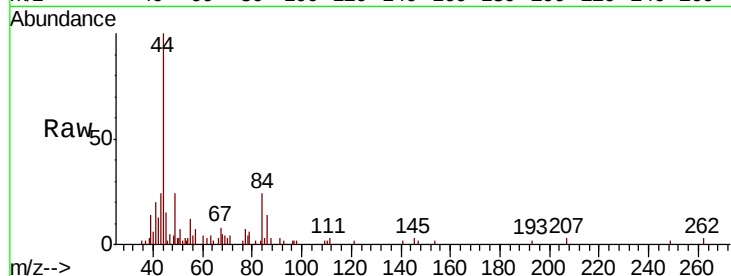




#20
Methvlene Chloride
Concen: 14.892 ug/l
RT: 2.20 min Scan# 159
Delta R.T. -0.03 min
Lab File: VF060597.D
Acq: 6 Nov 2018 6:14

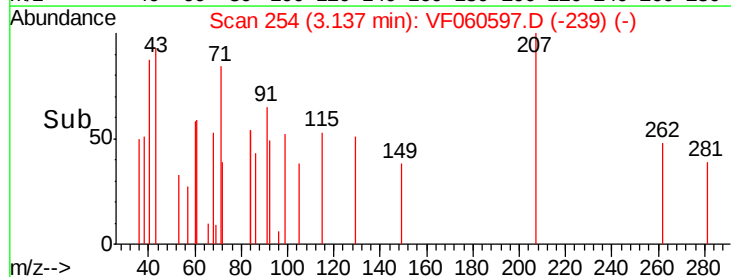
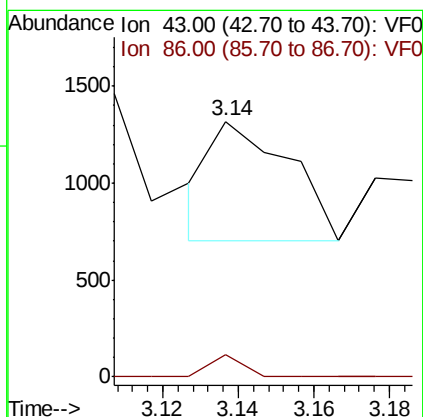
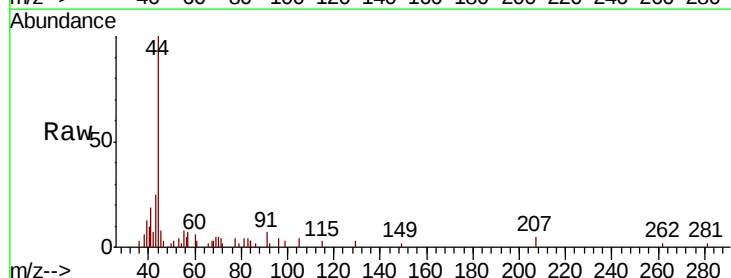
Instrument :
MSVOA_F
ClientSampled :

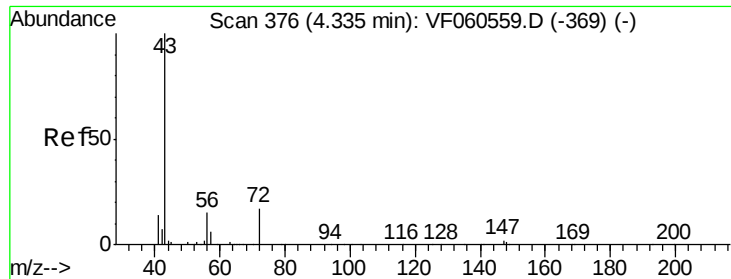
Tot Ion: 84 Resp: 6393
Ion Ratio Lower Upper
84 100
49 101.7 109.9 164.9#
51 31.4 35.8 53.8#
86 61.2 48.3 72.5



#23
Vinyl Acetate
Concen: 1.196 ug/l
RT: 3.14 min Scan# 254
Delta R.T. -0.05 min
Lab File: VF060597.D
Acq: 6 Nov 2018 6:14

Tgt Ion: 43 Resp: 873
Ion Ratio Lower Upper
43 100
86 8.7 7.1 10.7





#25

2-Butanone

Concen: Below Cal

RT: 4.35 min Scan# 377

Delta R.T. 0.02 min

Lab File: VF060597.D

Acq: 6 Nov 2018 6:14

Instrument :

MSVOA_F

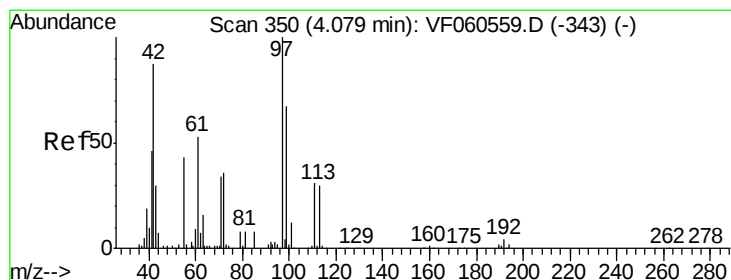
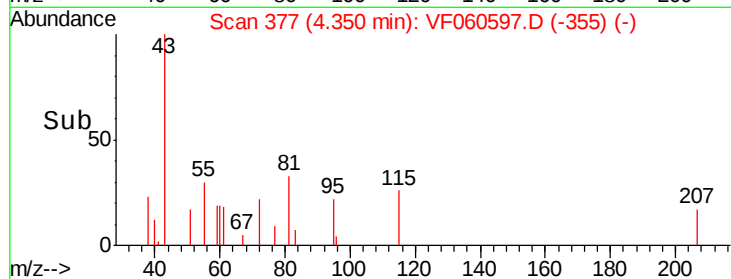
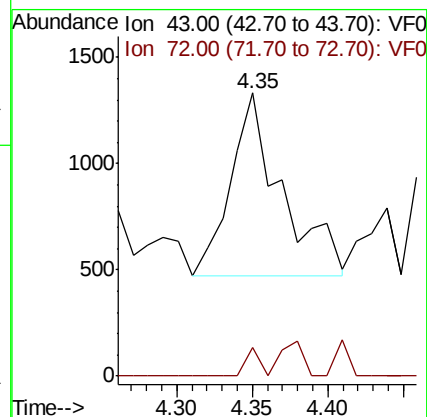
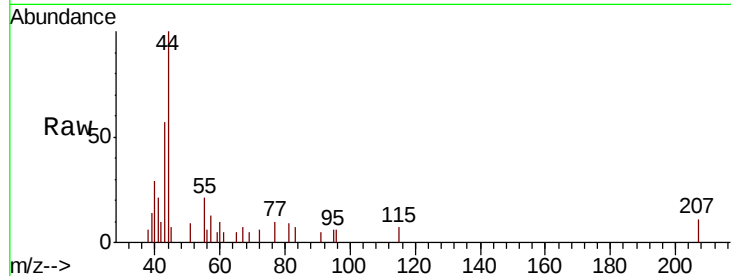
ClientSampleId :

Tot Ion: 43 Resp: 2000

Ion Ratio Lower Upper

43 100

72 10.2 16.2 24.2#



#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.09 min Scan# 351

Delta R.T. 0.02 min

Lab File: VF060597.D

Acq: 6 Nov 2018 6:14

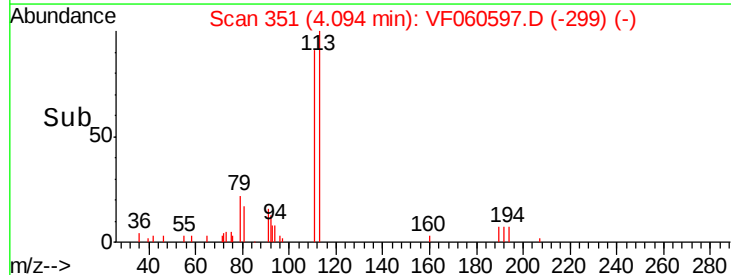
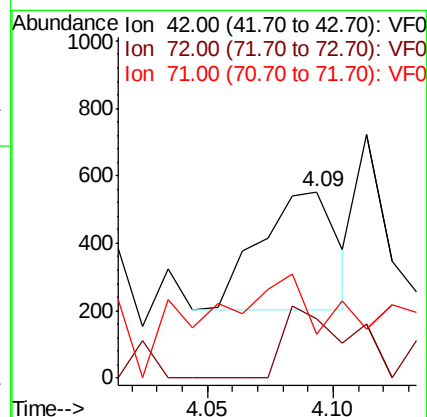
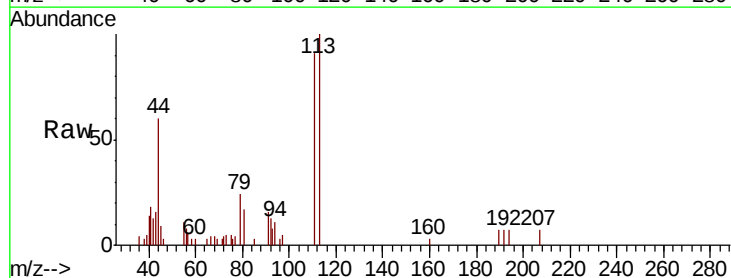
Tgt Ion: 42 Resp: 740

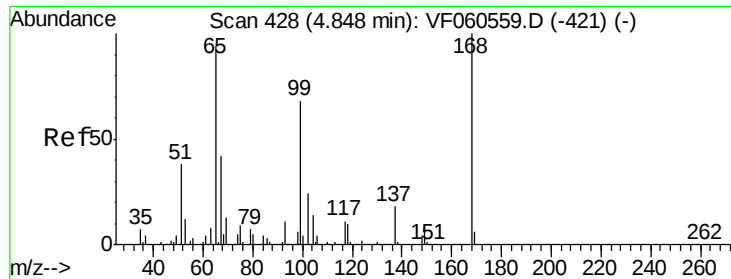
Ion Ratio Lower Upper

42 100

72 52.3 31.4 47.0#

71 182.0 31.8 47.6#

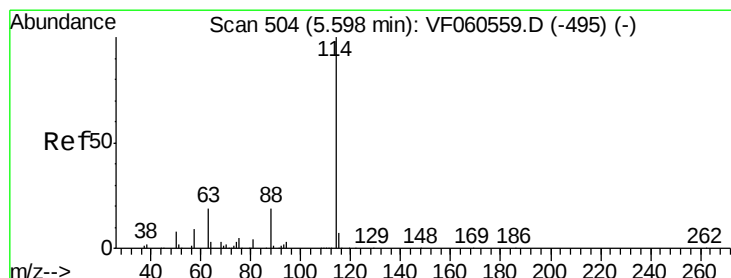
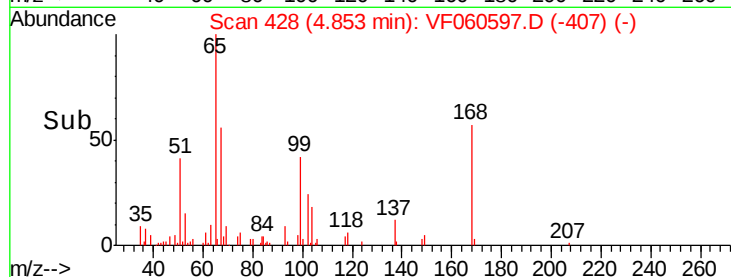
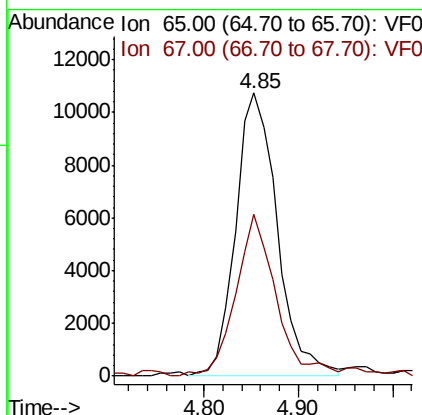
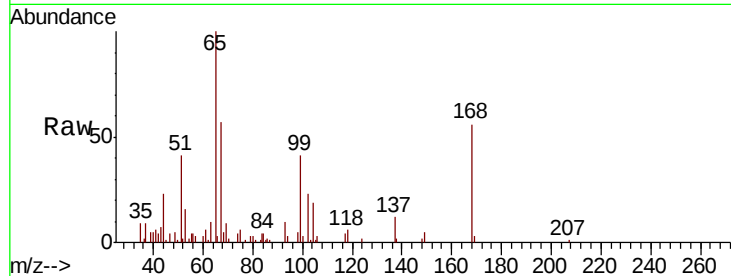




#33
 1,2-Dichloroethane-d4
 Concen: 67.194 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. 0.00 min
 Lab File: VF060597.D
 Acq: 6 Nov 2018 6:14

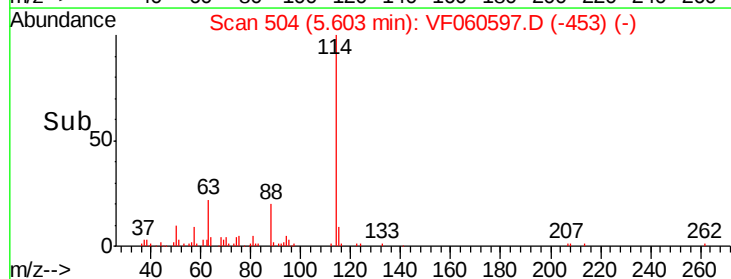
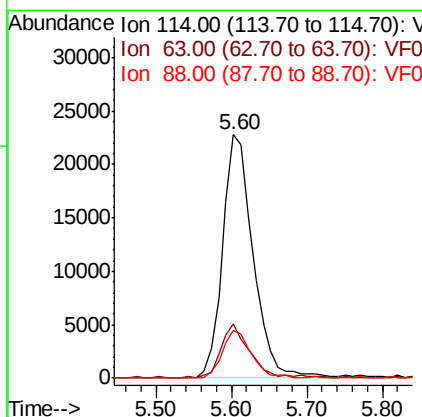
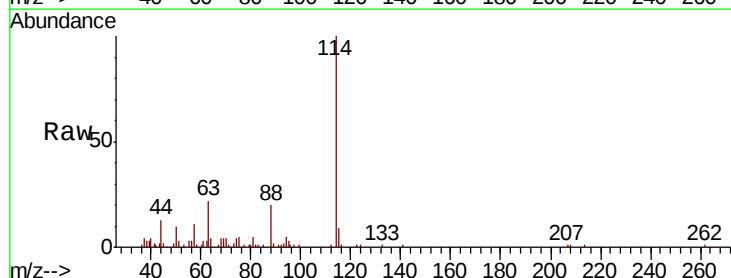
Instrument :
 MSVOA_F
 ClientSampled :

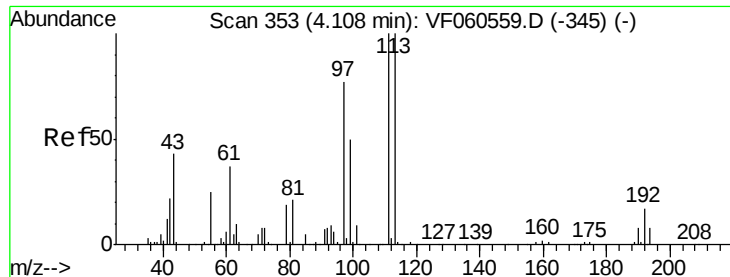
Tot Ion: 65 Resp: 32828
 Ion Ratio Lower Upper
 65 100
 67 57.1 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VF060597.D
 Acq: 6 Nov 2018 6:14

Tgt Ion: 114 Resp: 63649
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 39.0
 88 19.8 0.0 38.2





#35

Dibromofluoromethane

Concen: 70.070 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF060597.D

Acq: 6 Nov 2018 6:14

Instrument :
MSVOA_F
ClientSampled :

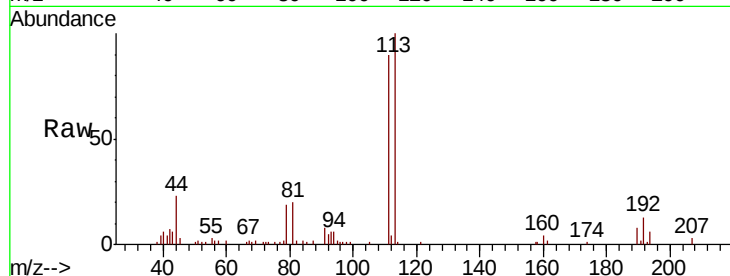
Tot Ion:113 Resp: 34457

Ion Ratio Lower Upper

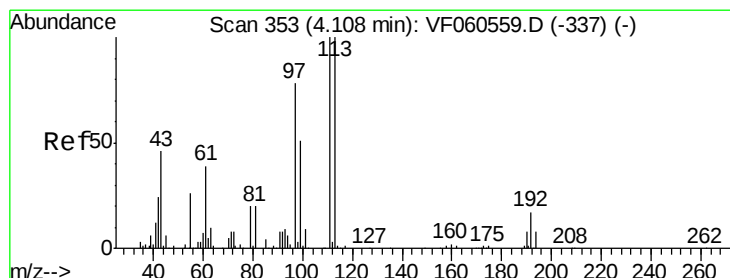
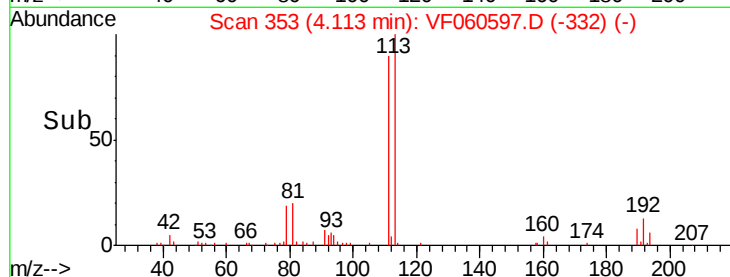
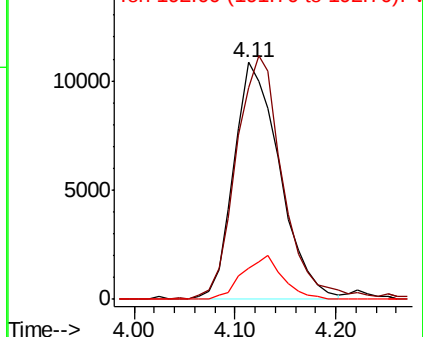
113 100

111 89.6 79.9 119.9

192 13.2 13.3 19.9#



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: 1.067 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.02 min

Lab File: VF060597.D

Acq: 6 Nov 2018 6:14

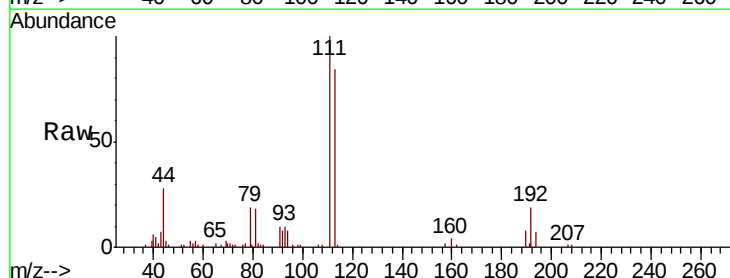
Tgt Ion: 43 Resp: 359

Ion Ratio Lower Upper

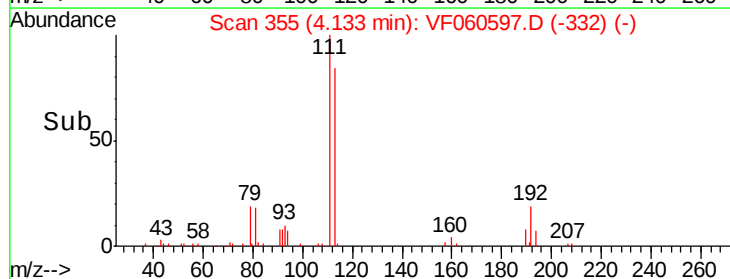
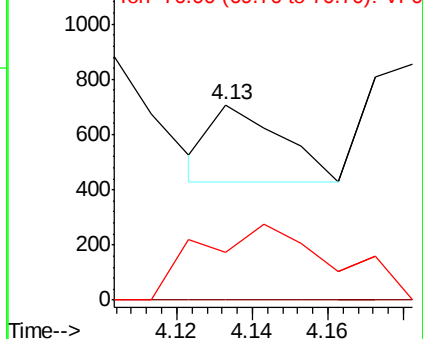
43 100

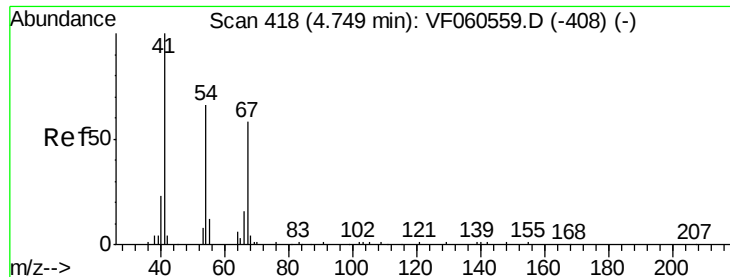
61 0.0 63.4 95.2#

70 24.5 9.3 13.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

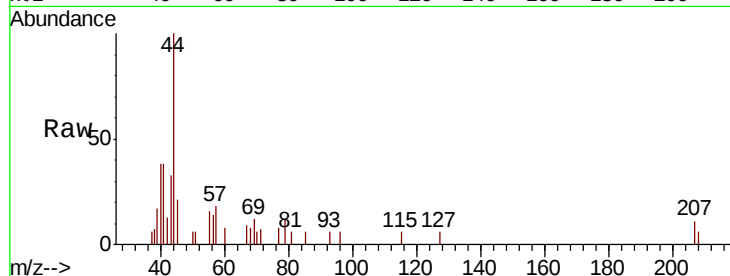




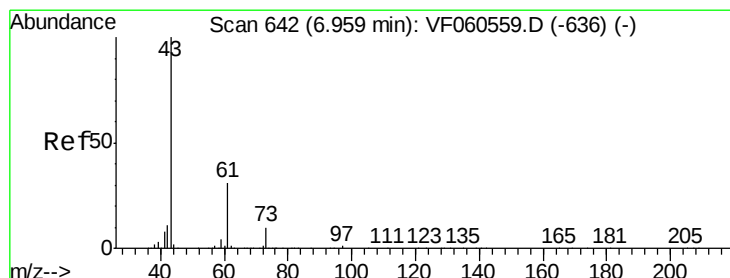
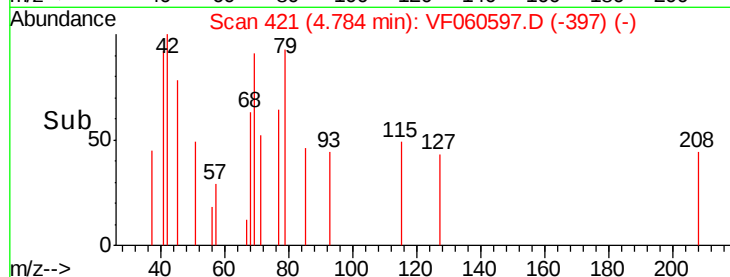
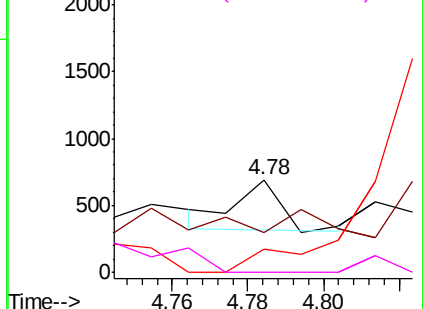
#41
Methacrylonitrile
Concen: 1.575 ug/l
RT: 4.78 min Scan# 421
Delta R.T. 0.03 min
Lab File: VF060597.D
Acq: 6 Nov 2018 6:14

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	41	Resp:	300
Ion	Ratio	Lower	Upper
41	100		
39	43.1	45.6	68.4#
67	24.3	45.3	67.9#
52	0.0	29.6	44.4#

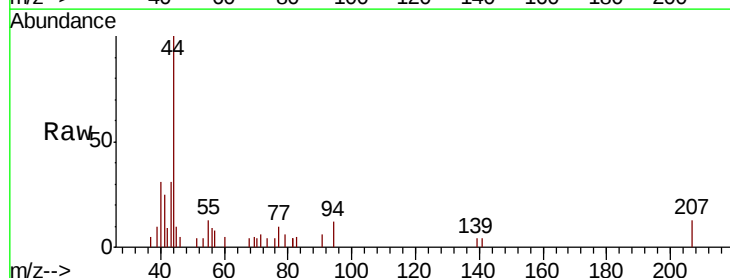


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

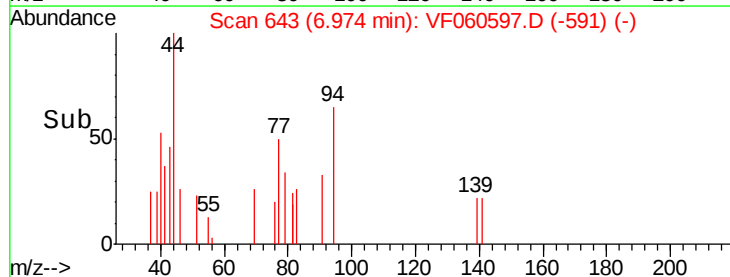
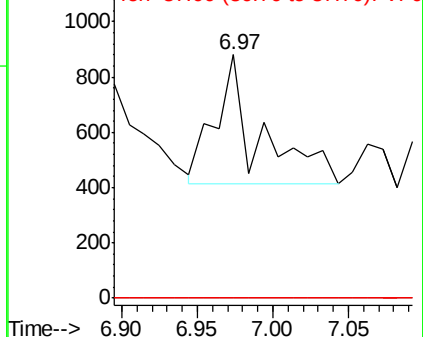


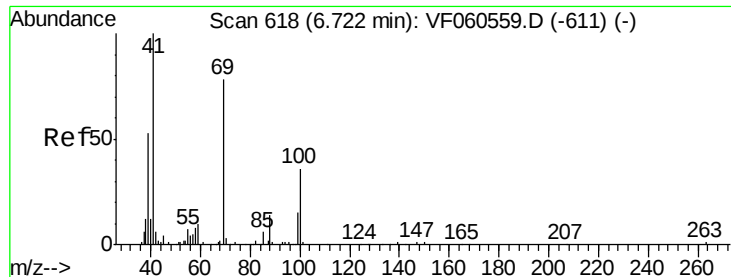
#43
Isopropyl Acetate
Concen: 2.185 ug/l
RT: 6.97 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF060597.D
Acq: 6 Nov 2018 6:14

Tgt Ion:	43	Resp:	930
Ion	Ratio	Lower	Upper
43	100		
61	0.0	24.2	36.2#
87	0.0	0.2	0.4#



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

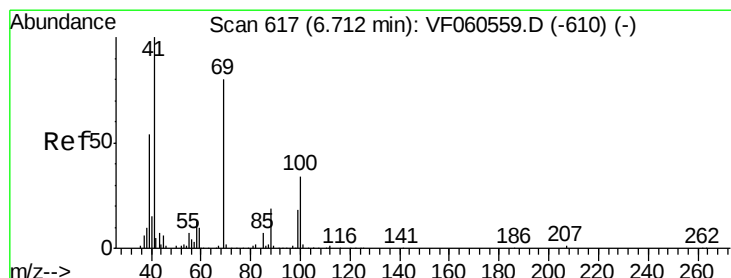
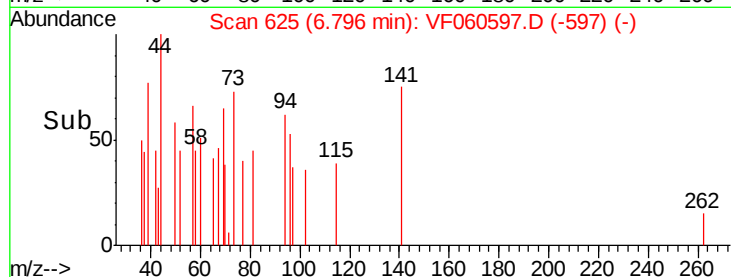
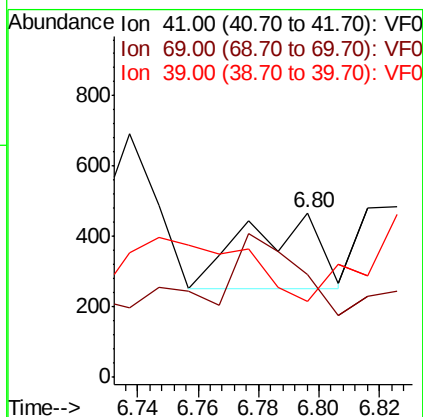
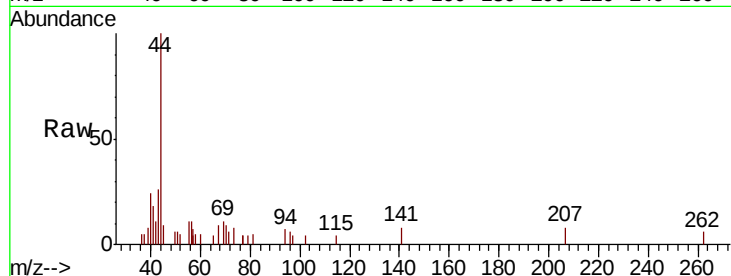




#48
Methvl methacrylate
Concen: 1.395 ug/l
RT: 6.80 min Scan# 625
Delta R.T. 0.07 min
Lab File: VF060597.D
Acq: 6 Nov 2018 6:14

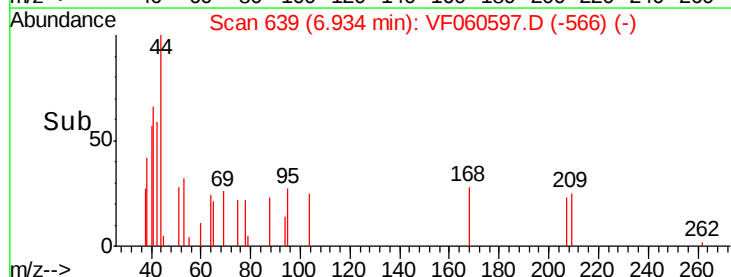
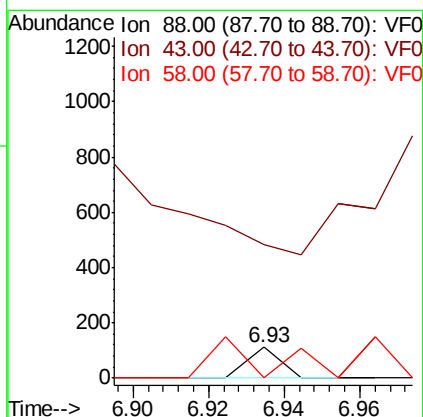
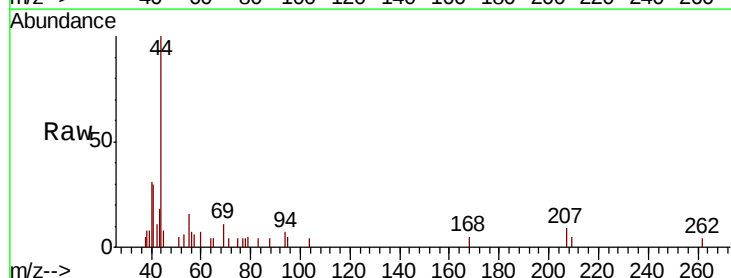
Instrument :
MSVOA_F
ClientSampled :

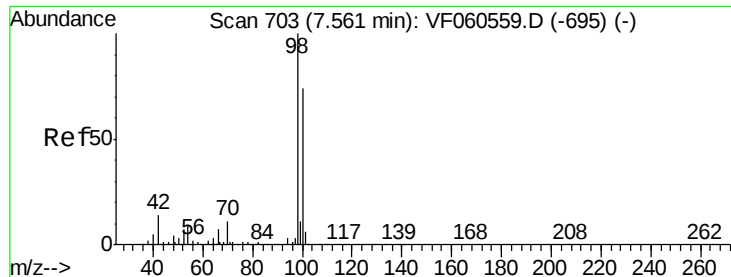
Tot Ion: 41 Resp: 373
Ion Ratio Lower Upper
41 100
69 62.2 61.1 91.7
39 45.9 43.0 64.6



#49
1,4-Dioxane
Concen: 23.590 ug/l
RT: 6.93 min Scan# 639
Delta R.T. 0.22 min
Lab File: VF060597.D
Acq: 6 Nov 2018 6:14

Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 436.0 61.2 91.8#
58 0.0 56.9 85.3#





#50

Toluene-d8

Concen: 3.708 ug/l

RT: 7.57 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF060597.D

Acq: 6 Nov 2018 6:14

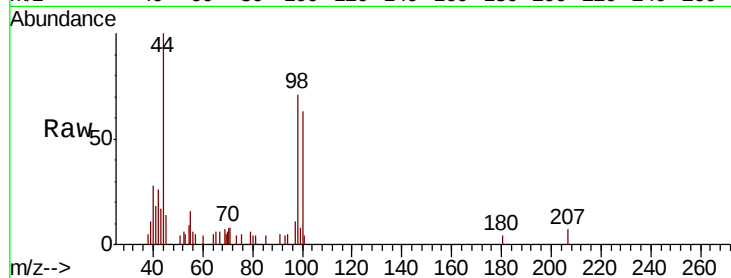
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 98 Resp: 5402

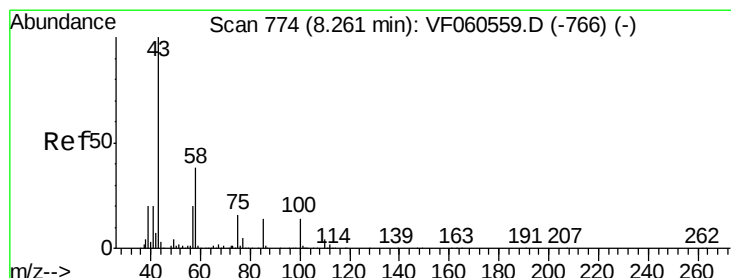
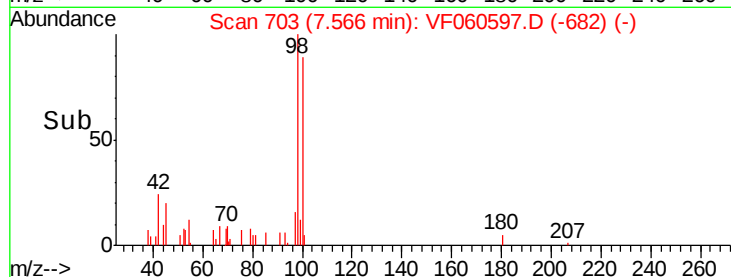
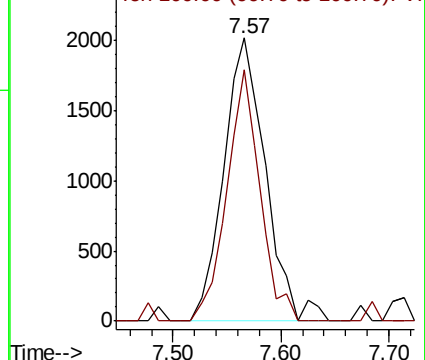
Ion Ratio Lower Upper

98 100

100 88.7 59.4 89.2



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: 13.167 ug/l

RT: 8.28 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF060597.D

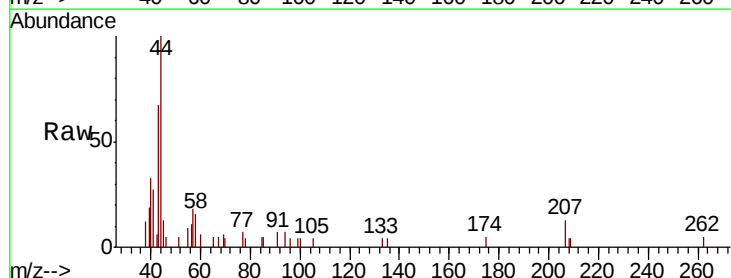
Acq: 6 Nov 2018 6:14

Tgt Ion: 43 Resp: 3768

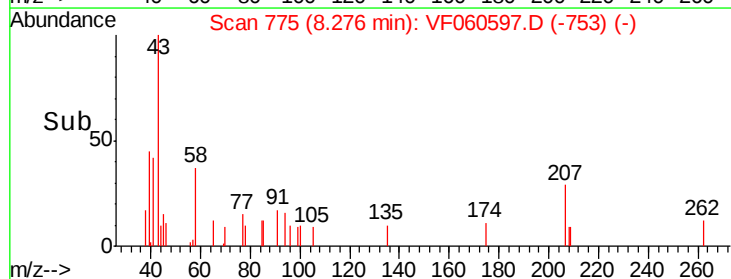
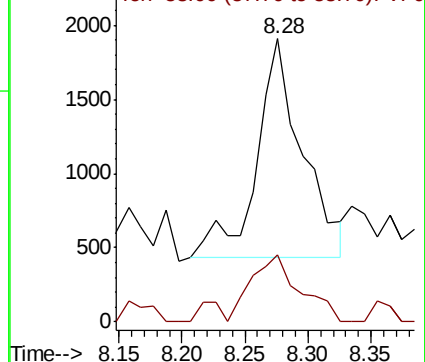
Ion Ratio Lower Upper

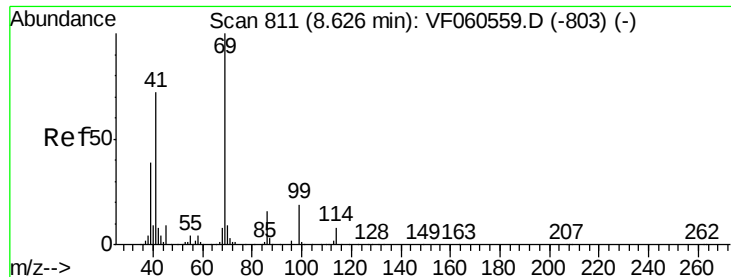
43 100

58 23.7 30.1 45.1#



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





#56

Ethyl methacrylate

Concen: 2.509 ug/l

RT: 8.64 min Scan# 812

Delta R.T. 0.01 min

Lab File: VF060597.D

Acq: 6 Nov 2018 6:14

Instrument :
MSVOA_F
ClientSampled :

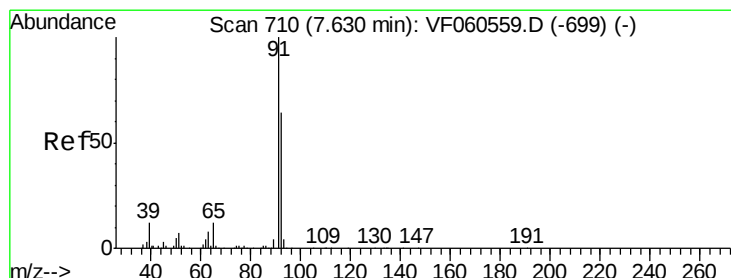
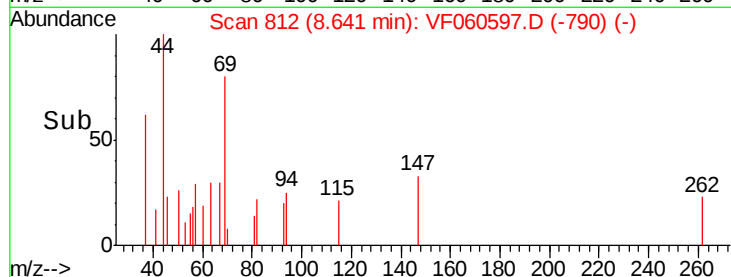
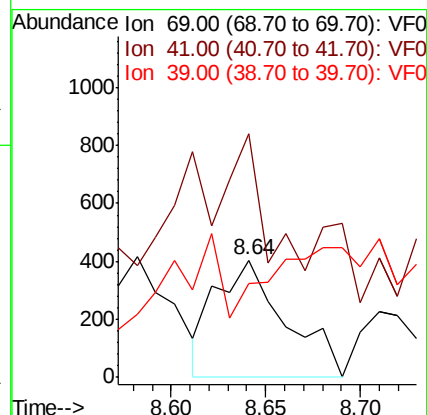
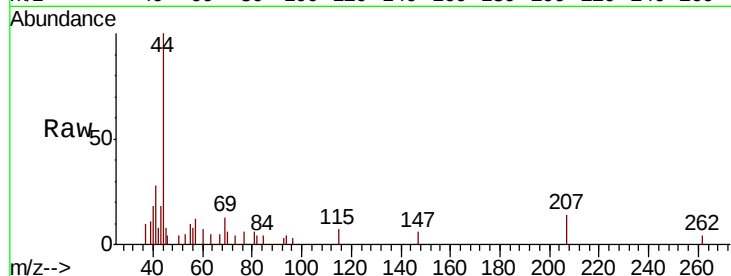
Tot Ion: 69 Resp: 1041

Ion Ratio Lower Upper

69 100

41 207.9 59.2 88.8#

39 80.4 32.3 48.5#



#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 7.62 min Scan# 708

Delta R.T. -0.01 min

Lab File: VF060597.D

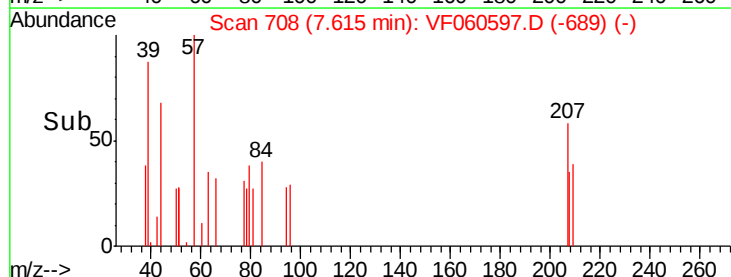
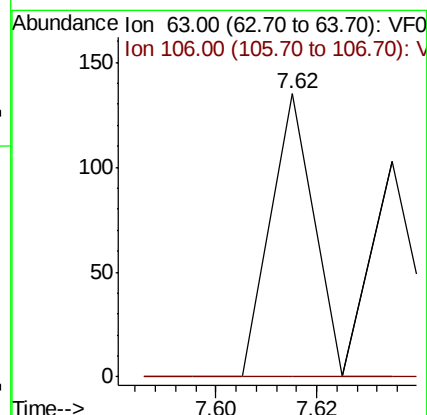
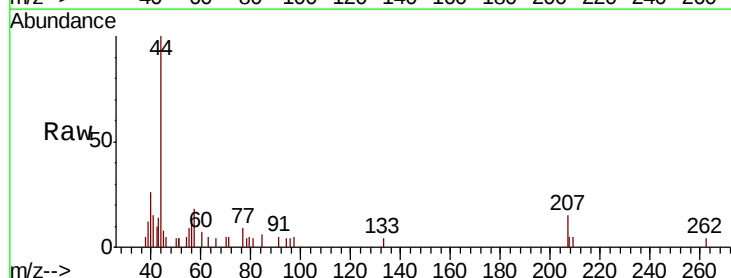
Acq: 6 Nov 2018 6:14

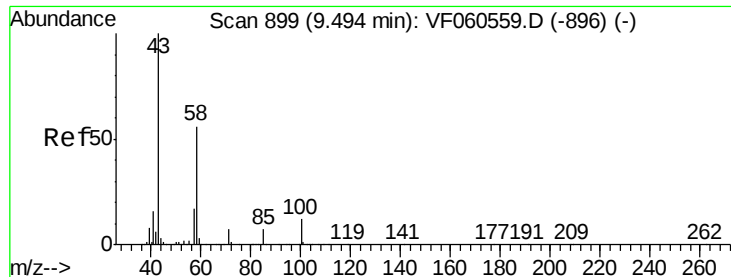
Tgt Ion: 63 Resp: 80

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

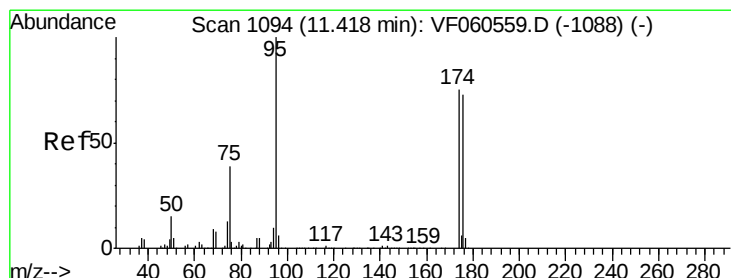
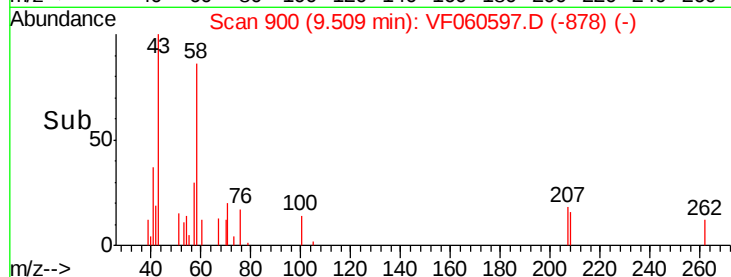
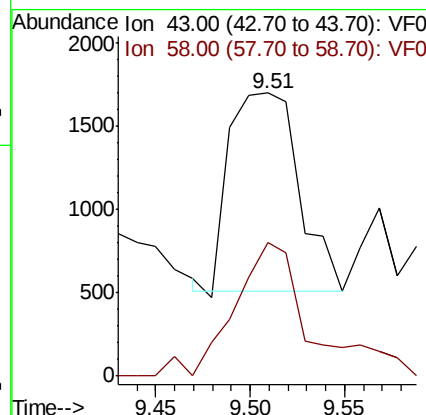
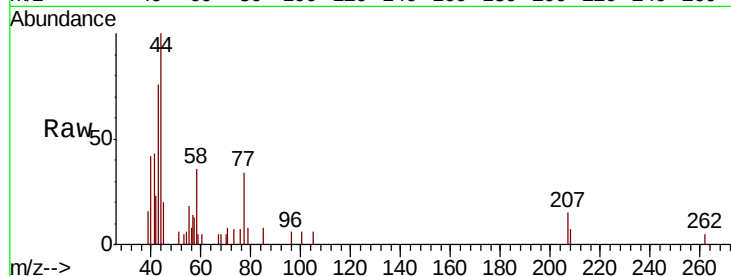




#59
2-Hexanone
Concen: Below Cal
RT: 9.51 min Scan# 900
Delta R.T. 0.02 min
Lab File: VF060597.D
Acq: 6 Nov 2018 6:14

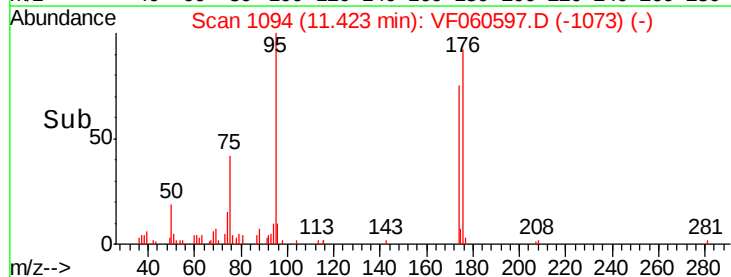
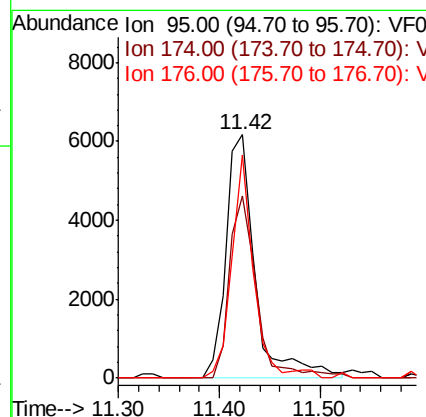
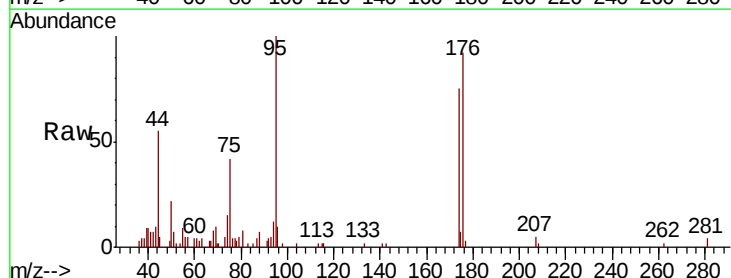
Instrument :
MSVOA_F
ClientSampled :

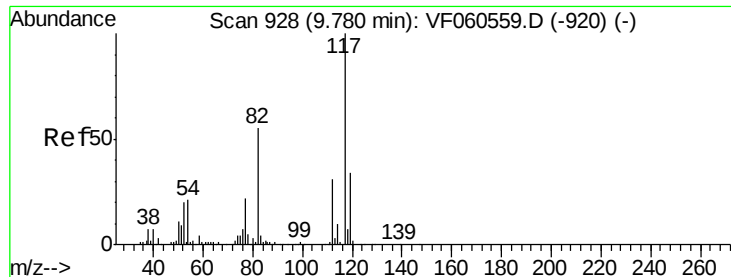
Tot Ion: 43 Resp: 3036
Ion Ratio Lower Upper
43 100
58 47.4 26.1 78.3



#62
4-Bromofluorobenzene
Concen: 19.572 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VF060597.D
Acq: 6 Nov 2018 6:14

Tgt Ion: 95 Resp: 12471
Ion Ratio Lower Upper
95 100
174 75.0 0.0 149.0
176 95.2 0.0 145.6

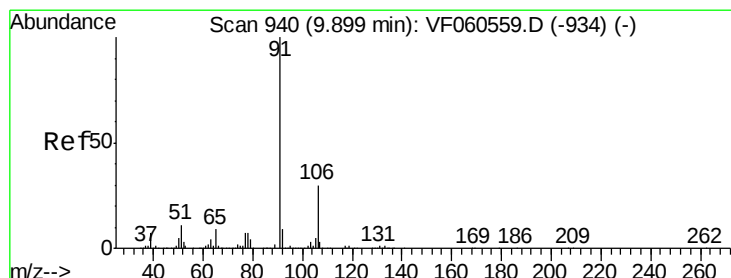
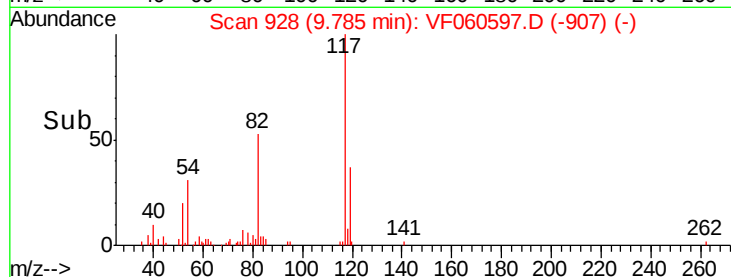
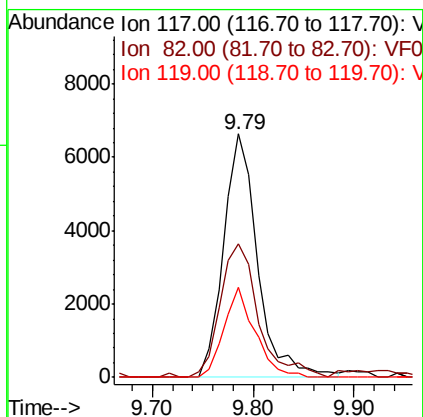
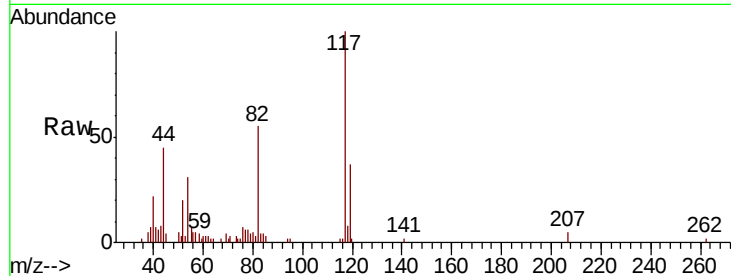




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF060597.D
Acq: 6 Nov 2018 6:14

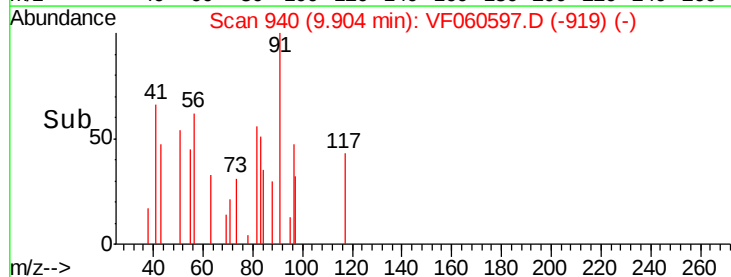
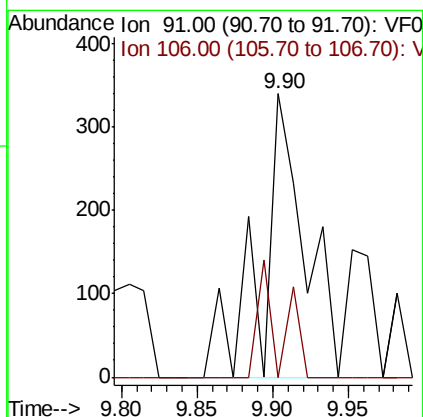
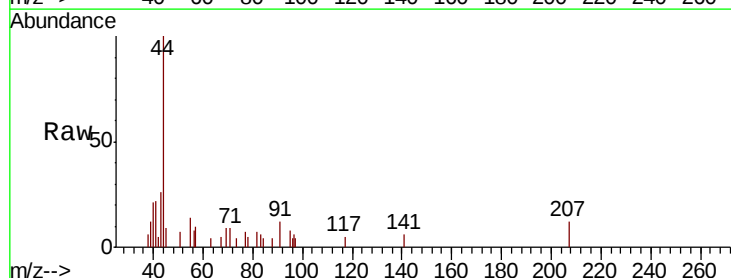
Instrument :
MSVOA_F
ClientSampled :

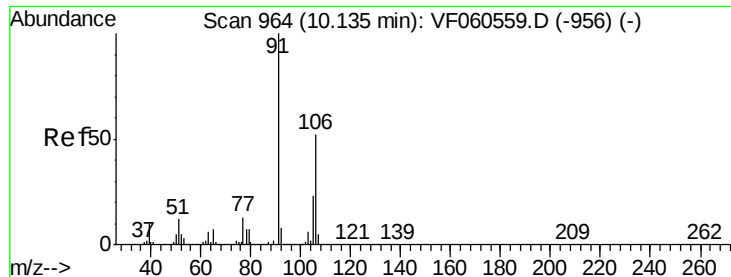
Tot Ion:117 Resp: 15566
Ion Ratio Lower Upper
117 100
82 54.9 43.9 65.9
119 37.1 27.4 41.0



#67
Ethyl Benzene
Concen: 1.181 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF060597.D
Acq: 6 Nov 2018 6:14

Tgt Ion: 91 Resp: 682
Ion Ratio Lower Upper
91 100
106 0.0 24.2 36.4#

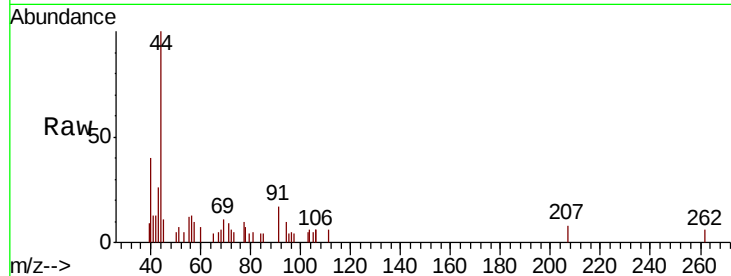




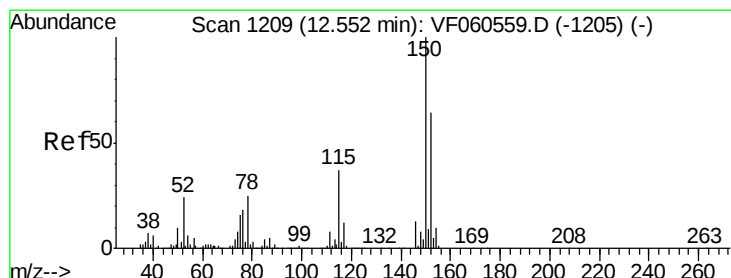
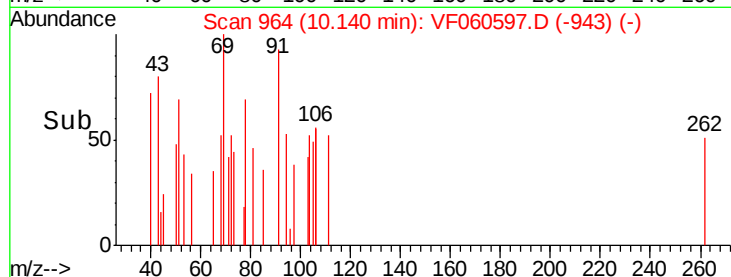
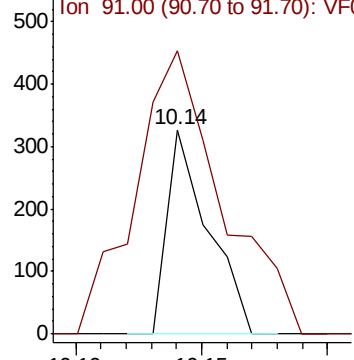
#68
m/p-Xvlenes
Concen: 1.700 ug/l
RT: 10.14 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF060597.D
Acq: 6 Nov 2018 6:14

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:106 Resp: 370
Ion Ratio Lower Upper
106 100
91 138.5 153.9 230.9#

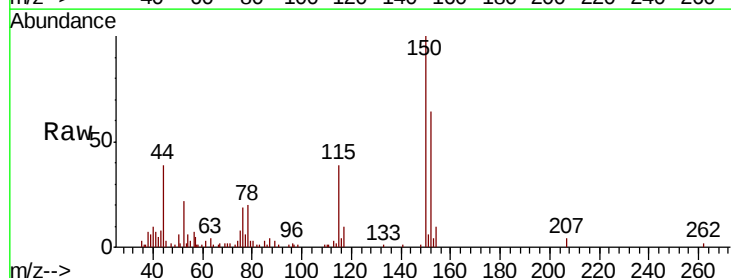


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

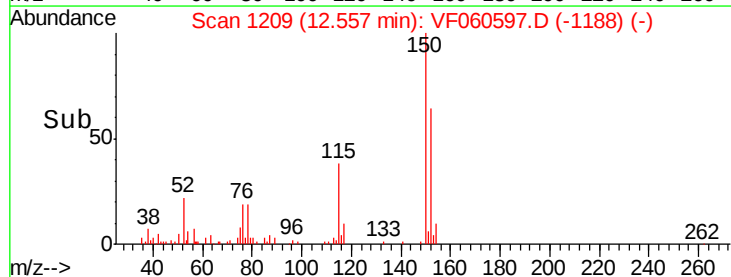
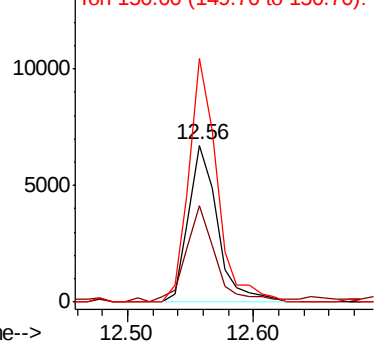


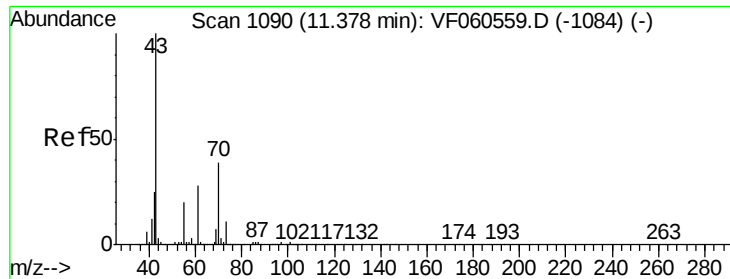
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF060597.D
Acq: 6 Nov 2018 6:14

Tgt Ion:152 Resp: 10696
Ion Ratio Lower Upper
152 100
115 61.3 29.6 88.8
150 155.4 0.0 315.6



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





#74

N-amvl acetate

Concen: Below Cal

RT: 11.32 min Scan# 1084

Delta R.T. -0.05 min

Lab File: VF060597.D

Acq: 6 Nov 2018 6:14

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 43 Resp: 462

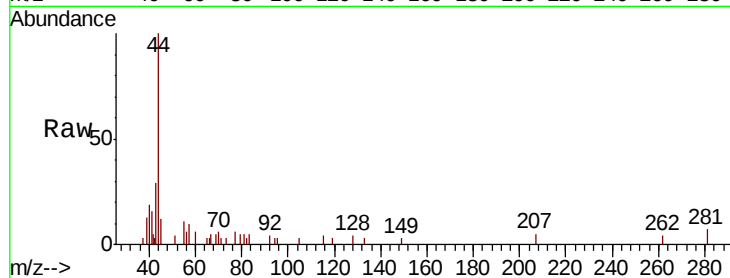
Ion Ratio Lower Upper

43 100

70 20.5 30.9 46.3#

55 38.8 16.6 24.8#

61 0.0 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

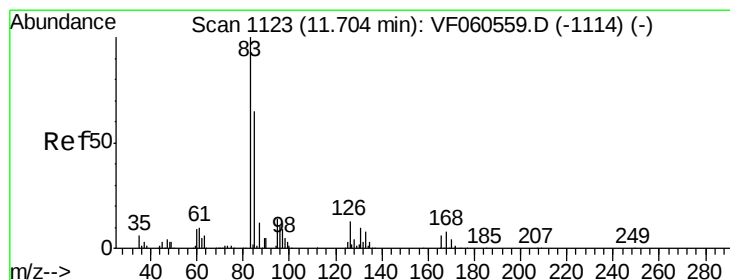
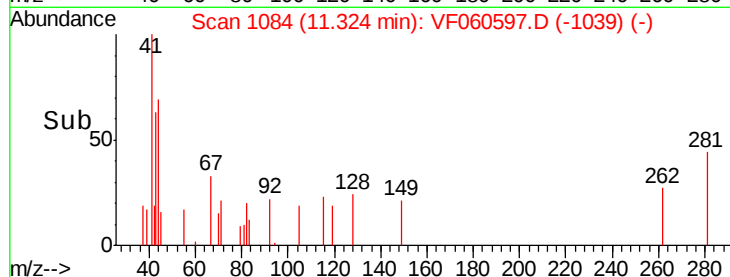
Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.32

11.30 11.32 11.34

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 1.044 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF060597.D

Acq: 6 Nov 2018 6:14

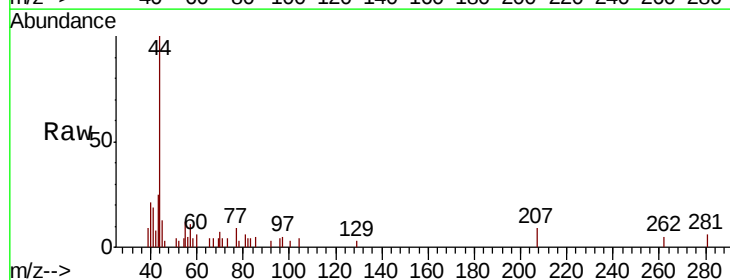
Tgt Ion: 83 Resp: 159

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 123.4 32.9 98.7#



Abundance Ion 83.00 (82.70 to 83.70): VF0

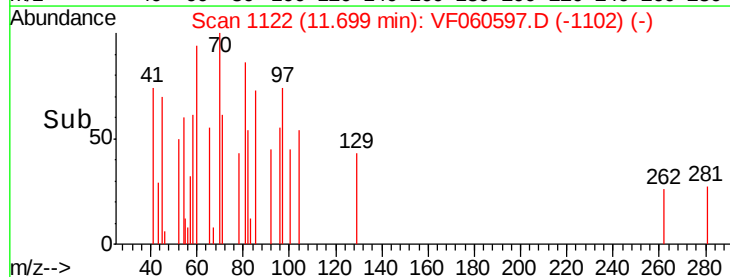
Ion 131.00 (130.70 to 131.70): V

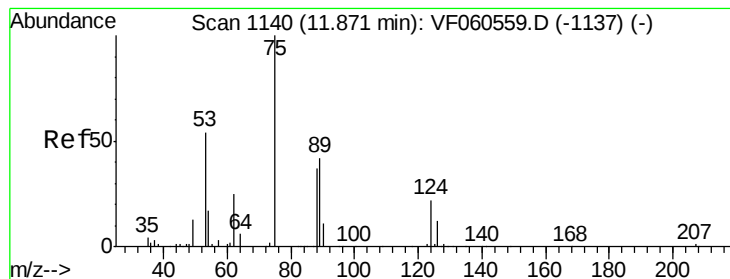
Ion 85.00 (84.70 to 85.70): VF0

11.70

11.68 11.70 11.72

Time-->





#76

1,2,3-Trichloropropane

Concen: 1.056 ug/l

RT: 11.86 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF060597.D

Acq: 6 Nov 2018 6:14

Instrument :

MSVOA_F

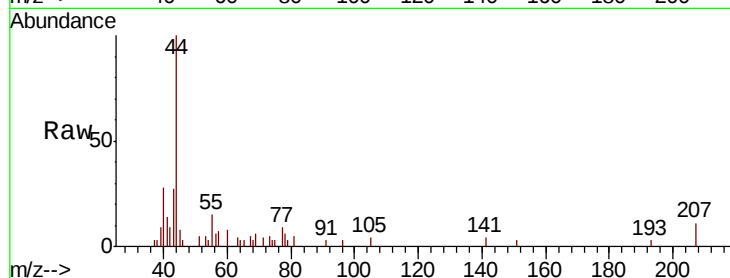
ClientSampleId :

Tot Ion: 75 Resp: 79

Ion Ratio Lower Upper

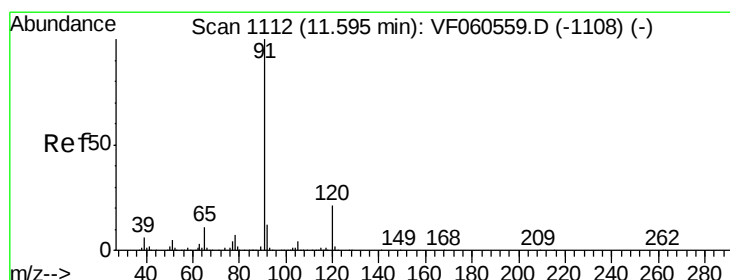
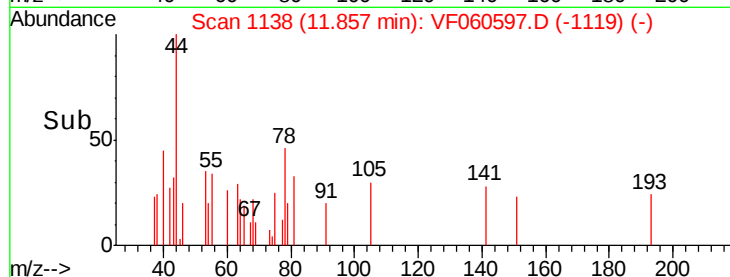
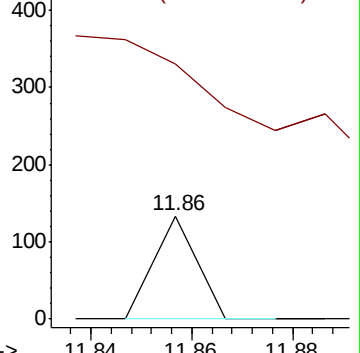
75 100

77 247.0 17.4 52.3#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#78

n-propylbenzene

Concen: 1.399 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF060597.D

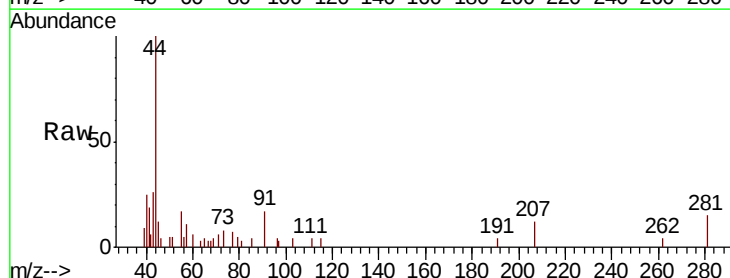
Acq: 6 Nov 2018 6:14

Tgt Ion: 91 Resp: 1365

Ion Ratio Lower Upper

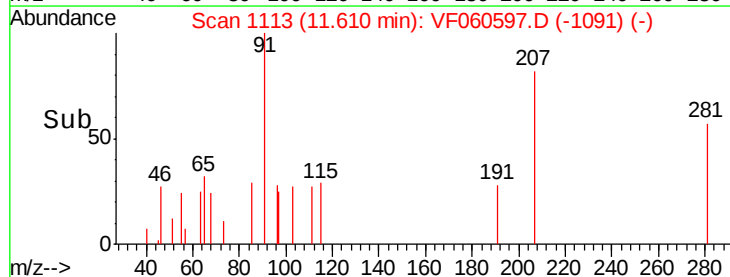
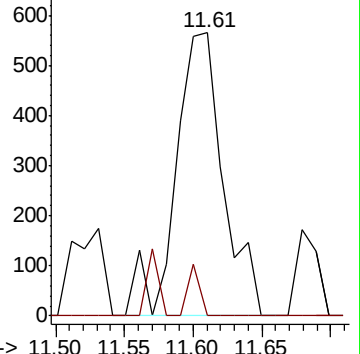
91 100

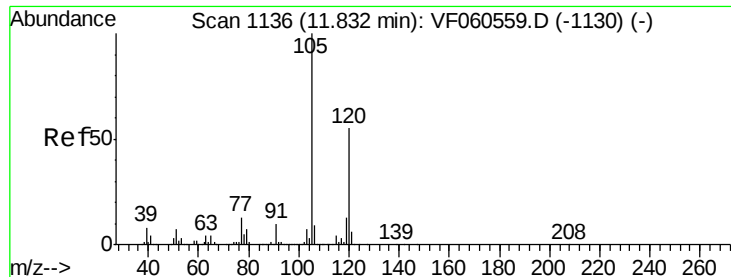
120 0.0 10.5 31.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 1.065 ug/l

RT: 11.84 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VF060597.D

Acq: 6 Nov 2018 6:14

Instrument :

MSVOA_F

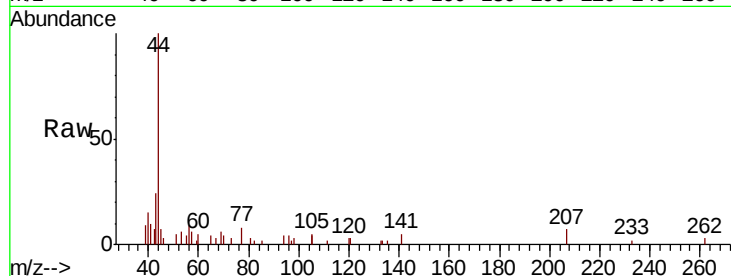
ClientSampled :

Tot Ion:105 Resp: 732

Ion Ratio Lower Upper

105 100

120 75.8 27.6 82.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.84

400

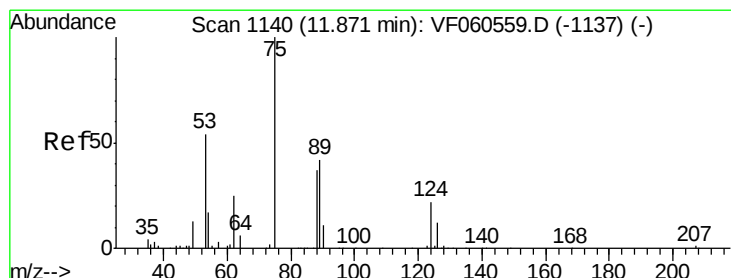
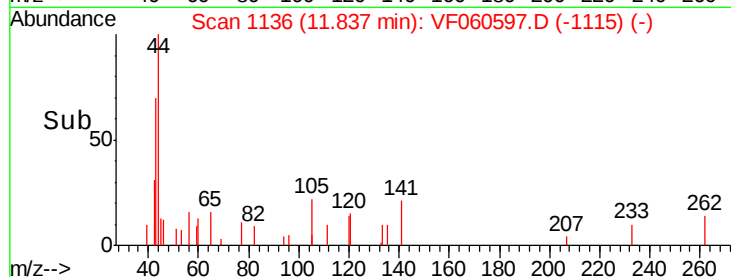
300

200

100

0

Time--> 11.75 11.80 11.85 11.90



#81

trans-1,4-Dichloro-2-butene

Concen: 1.343 ug/l

RT: 11.86 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF060597.D

Acq: 6 Nov 2018 6:14

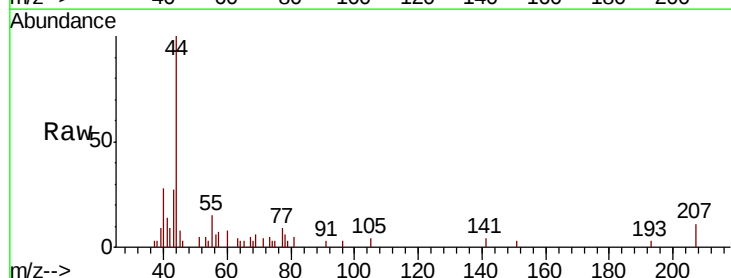
Tgt Ion: 75 Resp: 79

Ion Ratio Lower Upper

75 100

53 138.8 51.6 77.4#

89 0.0 36.7 55.1#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0

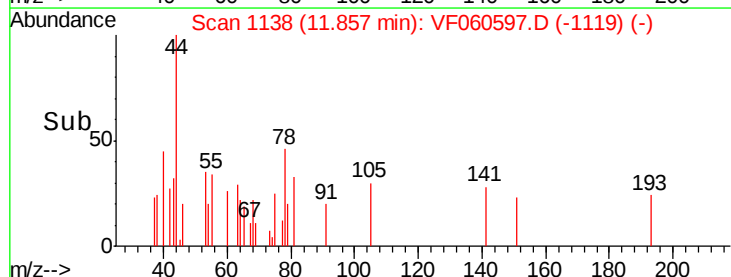
300

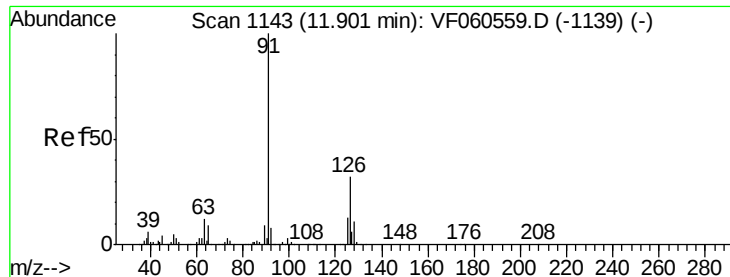
200

100

0

Time--> 11.84 11.86 11.88





#82

4-Chlorotoluene

Concen: 1.697 ug/l

RT: 11.91 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF060597.D

Acq: 6 Nov 2018 6:14

Instrument :

MSVOA_F

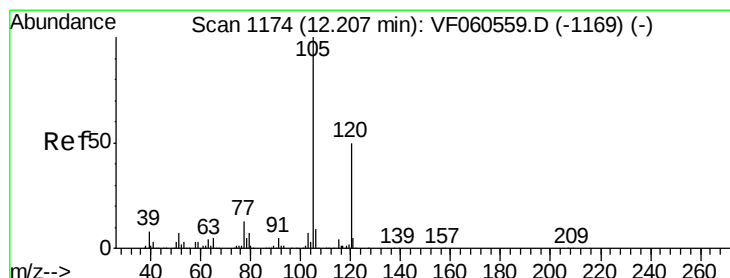
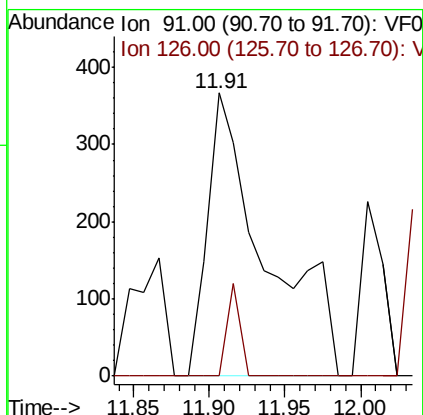
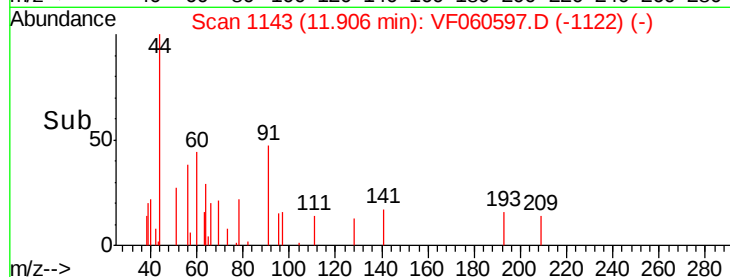
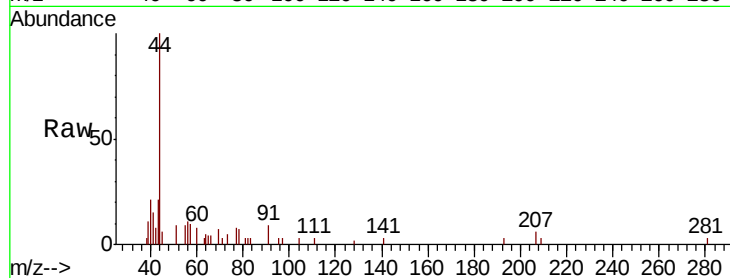
ClientSampleId :

Tot Ion: 91 Resp: 987

Ion Ratio Lower Upper

91 100

126 0.0 15.9 47.7#



#84

1,2,4-Trimethylbenzene

Concen: 1.398 ug/l

RT: 12.20 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VF060597.D

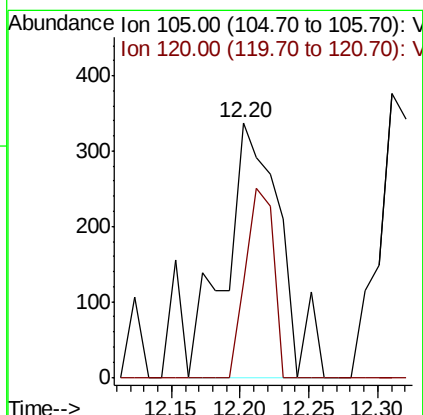
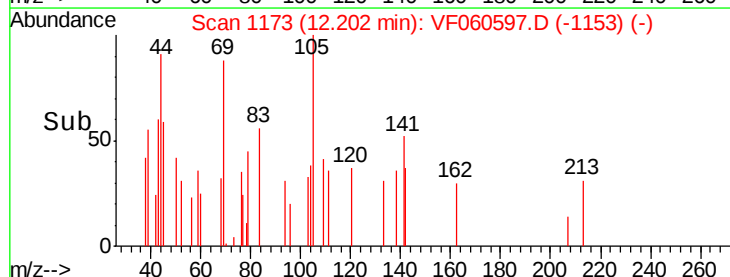
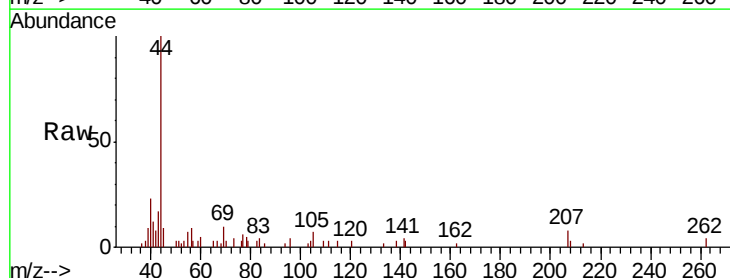
Acq: 6 Nov 2018 6:14

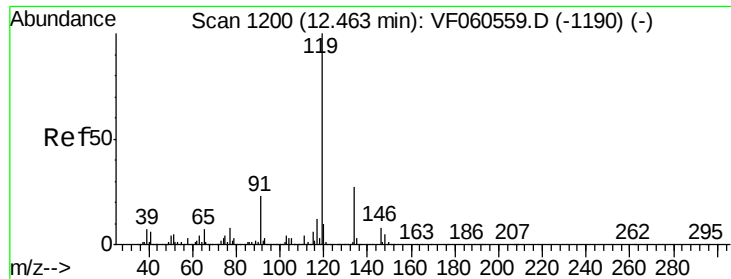
Tgt Ion: 105 Resp: 941

Ion Ratio Lower Upper

105 100

120 37.0 25.6 76.8

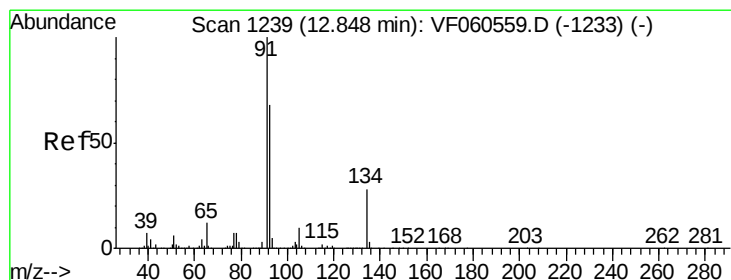
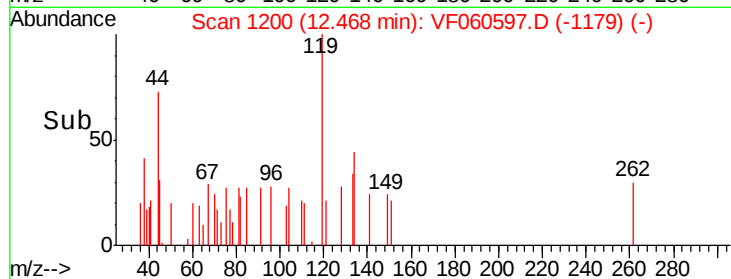
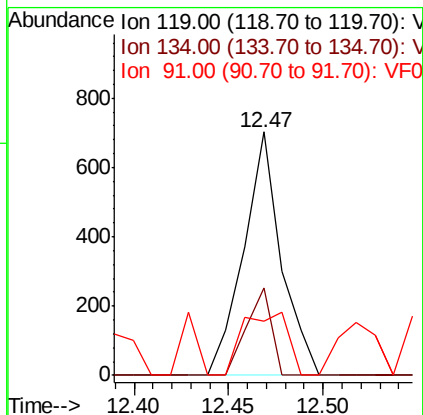
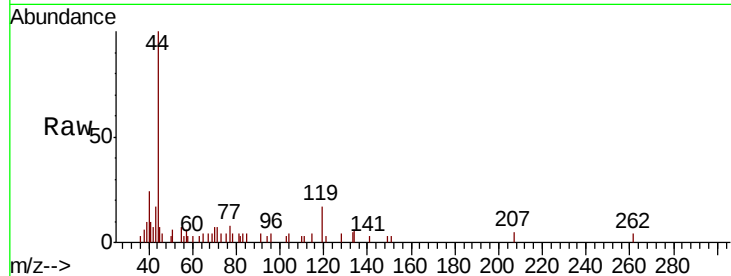




#86
 p-Isopropyltoluene
 Concen: 1.217 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VF060597.D
 Acq: 6 Nov 2018 6:14

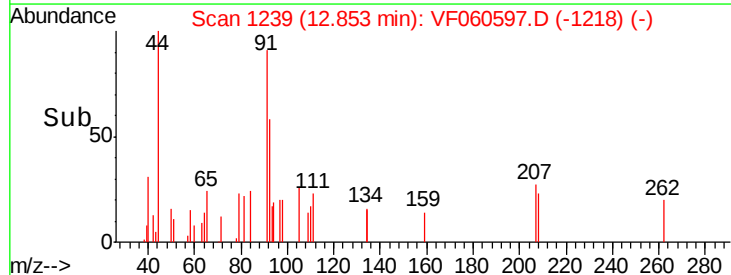
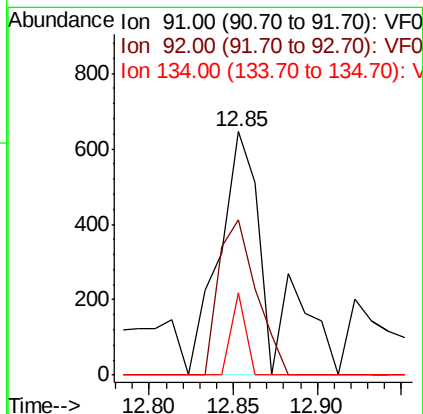
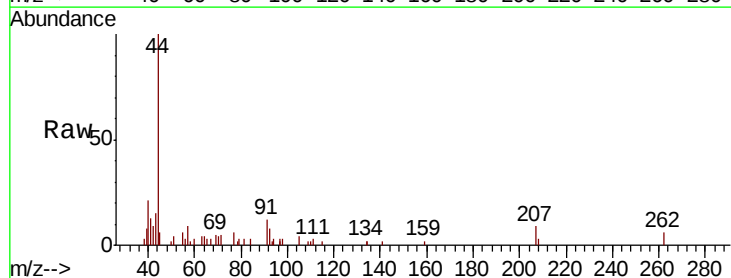
Instrument :
 MSVOA_F
 ClientSampleId :

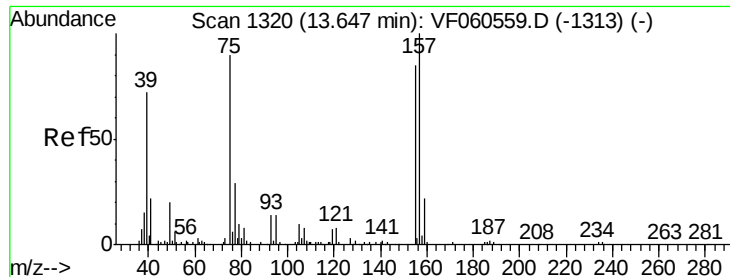
Tot Ion	Ratio	Lower	Upper
119	100		
134	36.0	13.6	40.7
91	22.3	11.4	34.2



#89
 n-Butylbenzene
 Concen: 1.186 ug/l
 RT: 12.85 min Scan# 1239
 Delta R.T. 0.01 min
 Lab File: VF060597.D
 Acq: 6 Nov 2018 6:14

Tgt Ion	Ratio	Lower	Upper
91	100		
92	63.9	34.1	102.2
134	34.1	13.9	41.6





#92

1,2-Dibromo-3-Chloropropane

Concen: 7.750 ug/l

RT: 13.65 min Scan# 1320

Delta R.T. 0.01 min

Lab File: VF060597.D

Acq: 6 Nov 2018 6:14

Instrument :

MSVOA_F

ClientSampled :

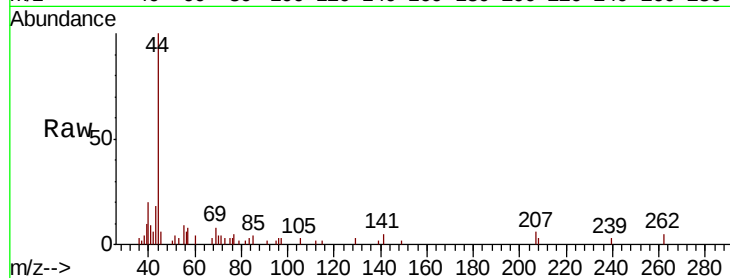
Tot Ion: 75 Resp: 205

Ion Ratio Lower Upper

75 100

155 0.0 47.3 141.8#

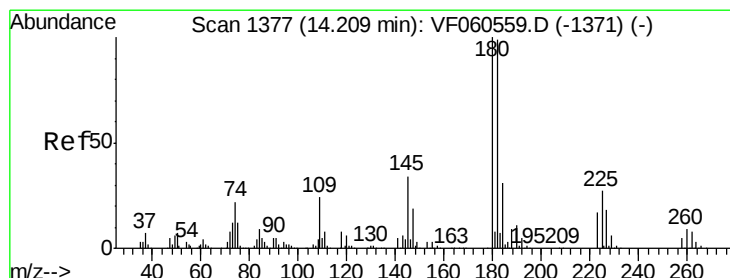
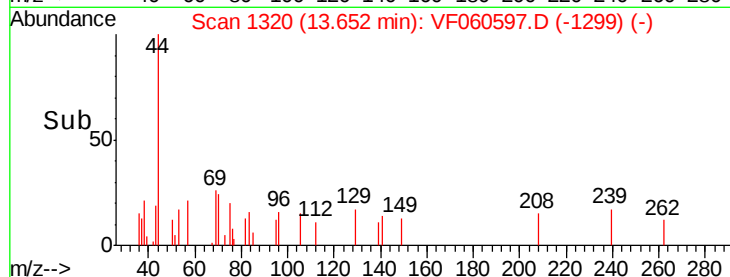
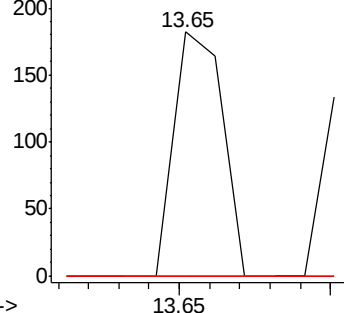
157 0.0 55.3 165.9#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



#93

1,2,4-Trichlorobenzene

Concen: 1.840 ug/l

RT: 14.20 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VF060597.D

Acq: 6 Nov 2018 6:14

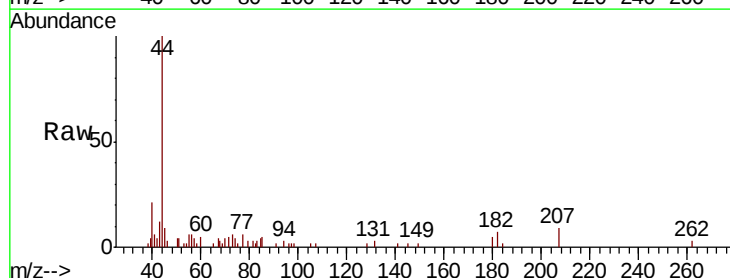
Tgt Ion: 180 Resp: 419

Ion Ratio Lower Upper

180 100

182 134.7 49.7 149.1

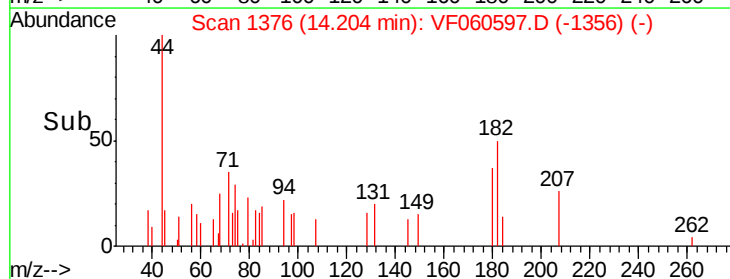
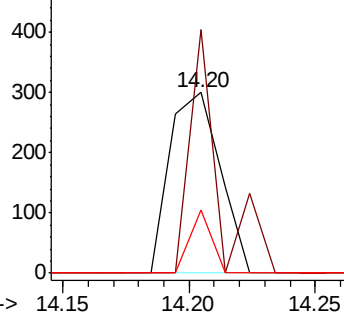
145 35.3 16.9 50.7

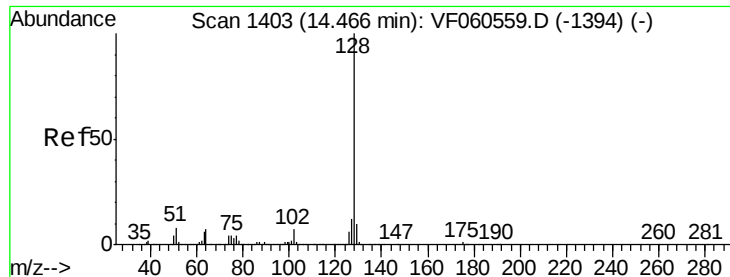


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#95

Naphthalene

Concen: 6.552 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. 0.01 min

Lab File: VF060597.D

Acq: 6 Nov 2018 6:14

Instrument :

MSVOA_F

ClientSampleId :

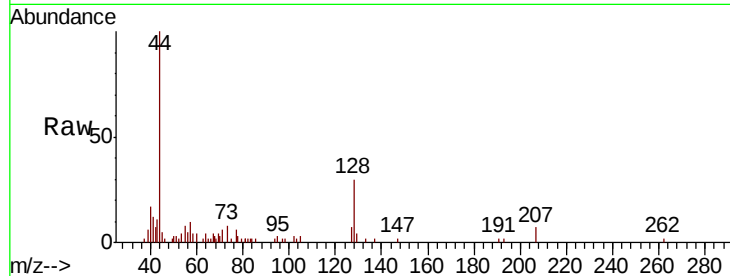
Tot Ion:128 Resp: 2986

Ion Ratio Lower Upper

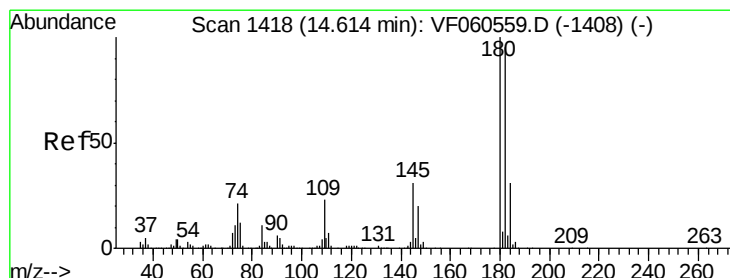
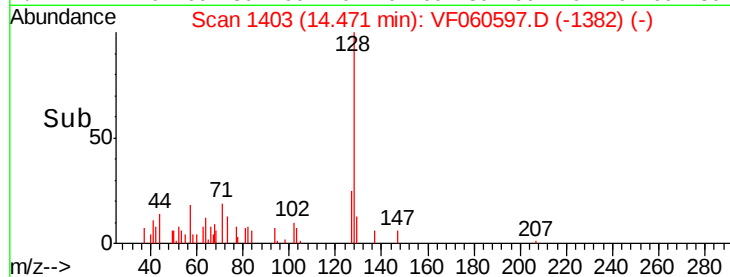
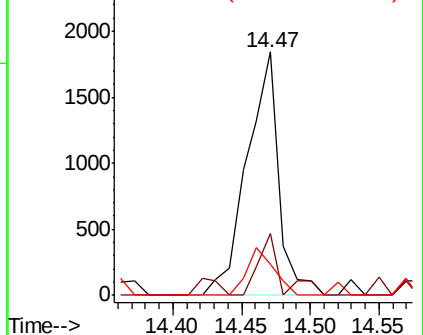
128 100

127 25.3 9.4 14.0#

129 12.7 8.4 12.6#



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



#96

1,2,3-Trichlorobenzene

Concen: 2.190 ug/l

RT: 14.61 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF060597.D

Acq: 6 Nov 2018 6:14

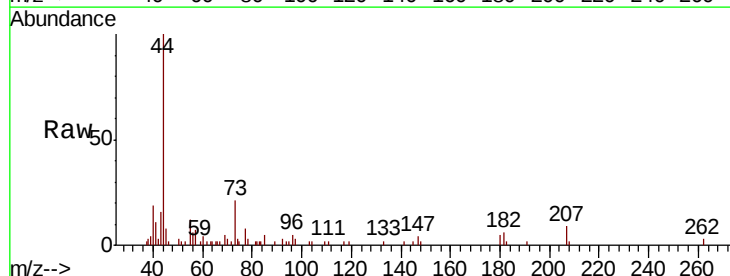
Tgt Ion:180 Resp: 471

Ion Ratio Lower Upper

180 100

182 113.7 47.3 142.0

145 43.2 15.6 46.8



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

