

Data File : VW010557.D
Acq On : 24 May 2019 18:17
Operator : SY/VA
Sample : K3052-04
Misc : 4.92G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FK-SF-03-007-B

Quant Time: May 25 01:14:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	120330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	220362	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	170028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	50035	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	67178	54.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.18%	
35) Dibromofluoromethane	7.88	113	54088	40.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.90%	
50) Toluene-d8	10.32	98	253192	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.62	95	74772	36.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.50%	

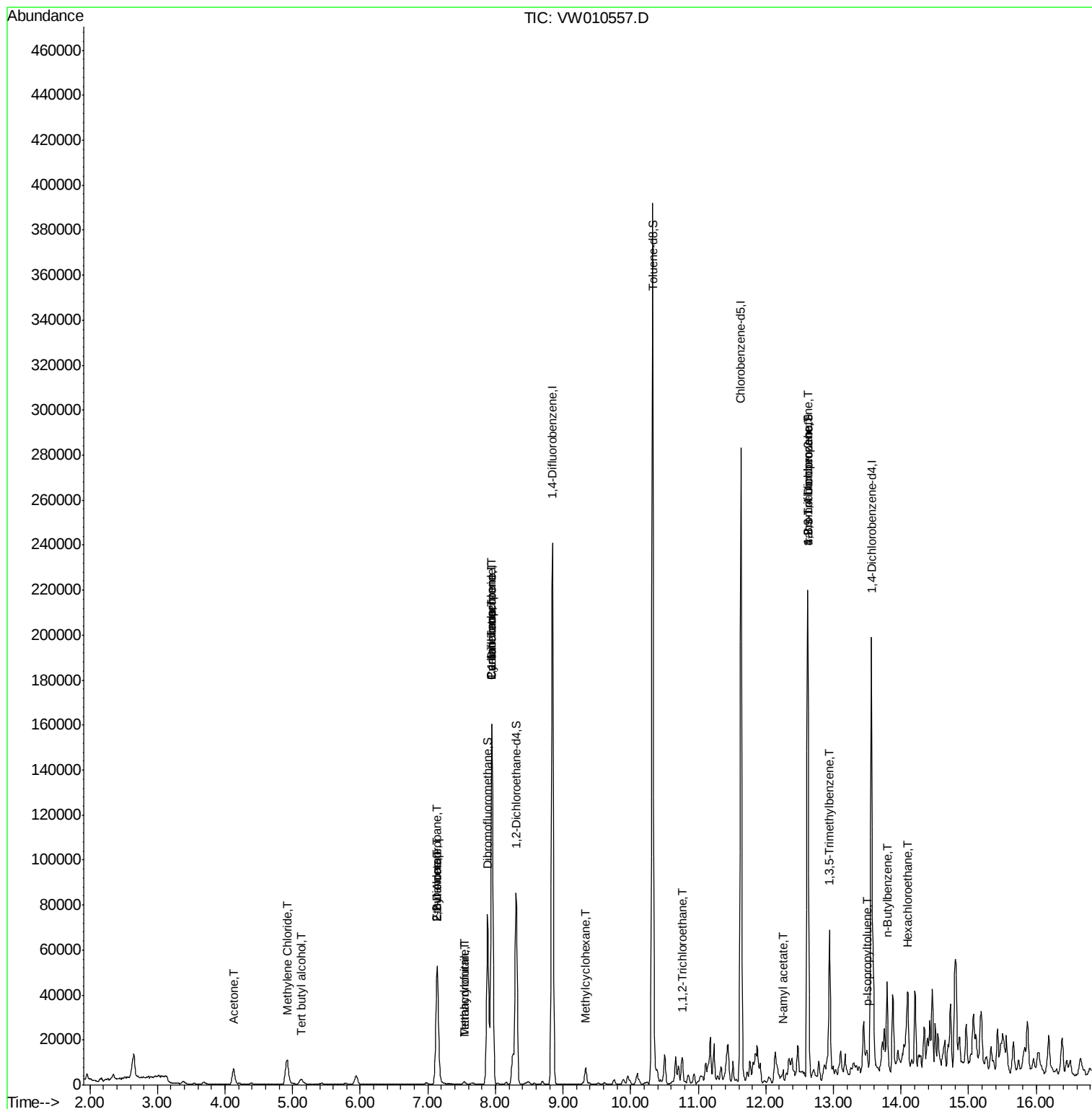
Target Compounds				Qvalue		
11) Tert butyl alcohol	5.13	59	2846	25.475	ug/l #	71
16) Acetone	4.13	43	12342	48.682	ug/l	99
20) Methylene Chloride	4.92	84	9666	1.588	ug/l	96
25) 2-Butanone	7.13	43	3215	8.861	ug/l #	69
26) 2,2-Dichloropropane	7.14	77	3778	1.762	ug/l #	52
29) Tetrahydrofuran	7.53	42	781	3.181	ug/l #	76
31) Cyclohexane	7.95	56	3106	1.317	ug/l #	16
36) 1,1-Dichloropropene	7.95	75	9724	4.737	ug/l #	48
37) Ethyl Acetate	7.13	43	3215	3.683	ug/l #	12
38) Carbon Tetrachloride	7.95	117	12544	5.665	ug/l #	15
39) Methylcyclohexane	9.34	83	3024	1.100	ug/l #	86
41) Methacrylonitrile	7.54	41	560	1.080	ug/l #	44
55) 1,1,2-Trichloroethane	10.76	97	5294	4.646	ug/l #	22
74) N-amyl acetate	12.26	43	1035	1.138	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	35360	69.622	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.94	105	26917	8.004	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	35360	145.303	ug/l #	14
86) p-Isopropyltoluene	13.50	119	3809	1.024	ug/l	98
89) n-Butylbenzene	13.79	91	5104	1.442	ug/l #	1
90) Hexachloroethane	14.10	117	1664	2.311	ug/l #	15

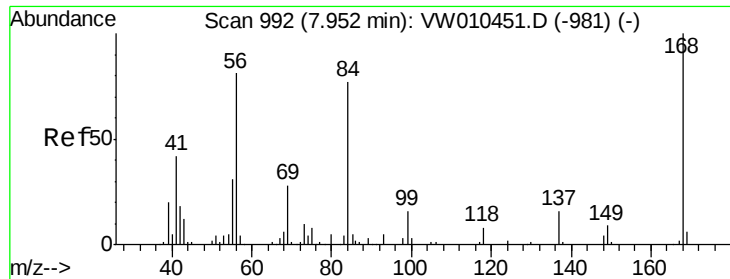
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010557.D

Acq: 24 May 2019 18:17

Instrument :

MSVOA_W

ClientSampleId :

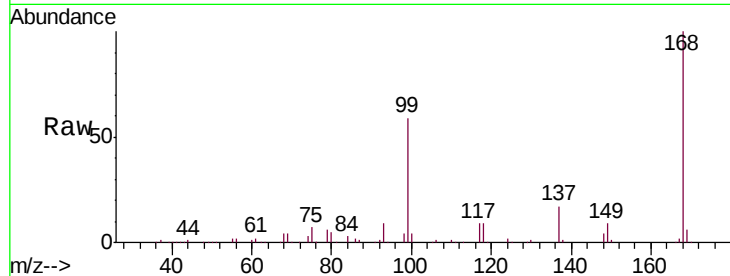
FK-SF-03-007-B

Tgt Ion:168 Resp: 120330

Ion Ratio Lower Upper

168 100

99 59.0 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

30000

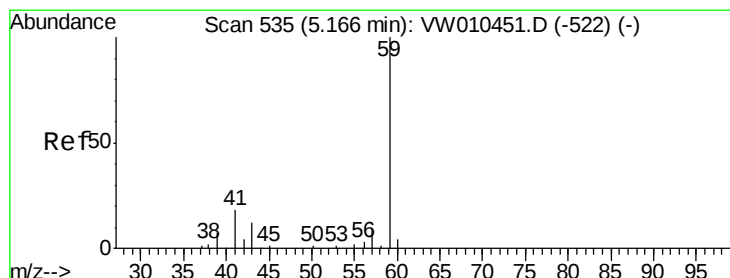
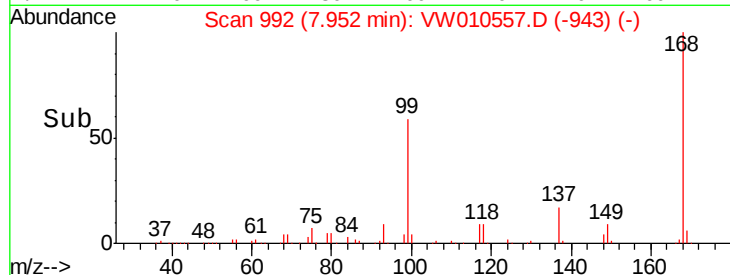
20000

10000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: 25.475 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW010557.D

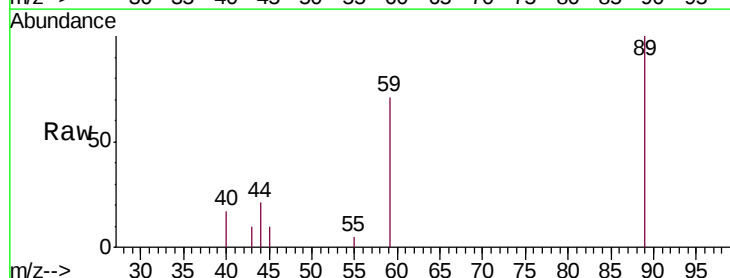
Acq: 24 May 2019 18:17

Tgt Ion: 59 Resp: 2846

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.13

800

600

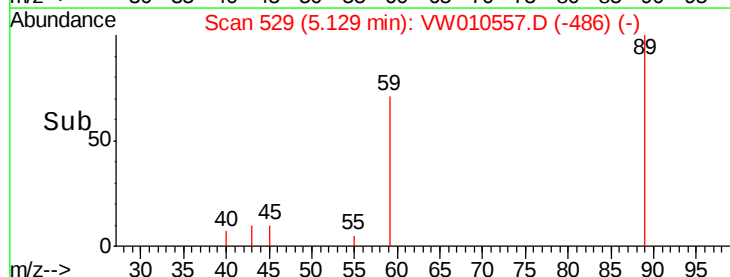
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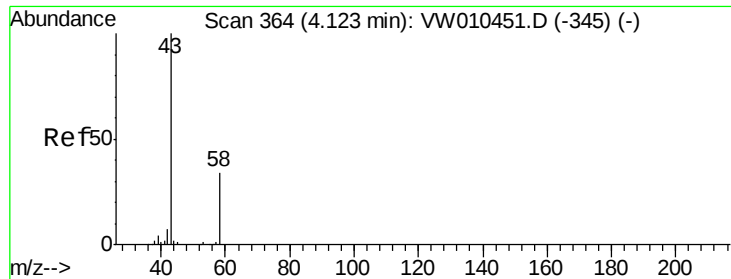
200

0

Time-->

5.00 5.10 5.20

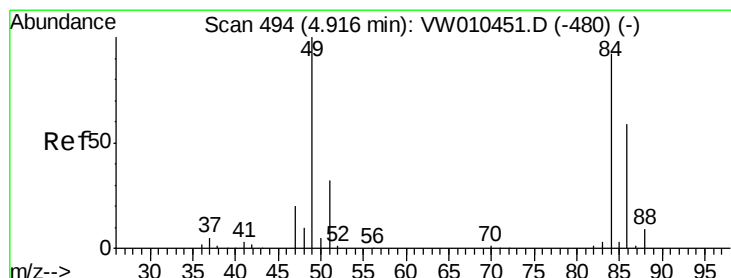
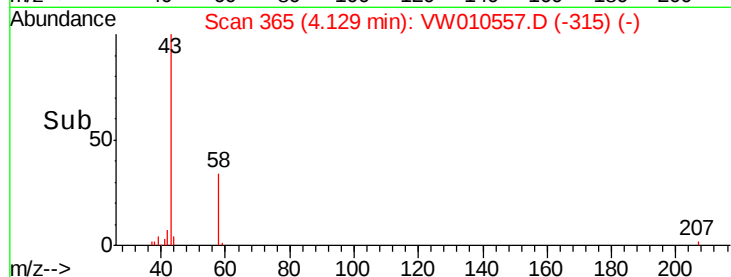
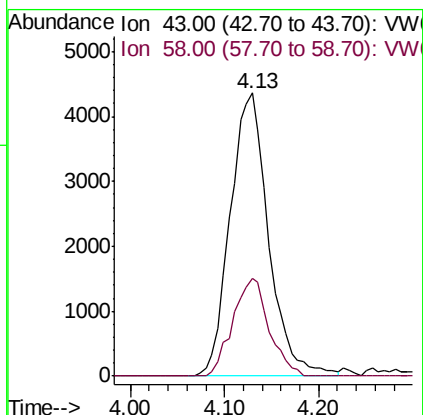
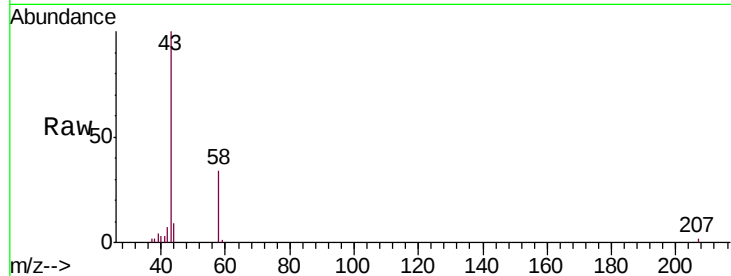




#16
Acetone
Concen: 48.682 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW010557.D
Acq: 24 May 2019 18:17

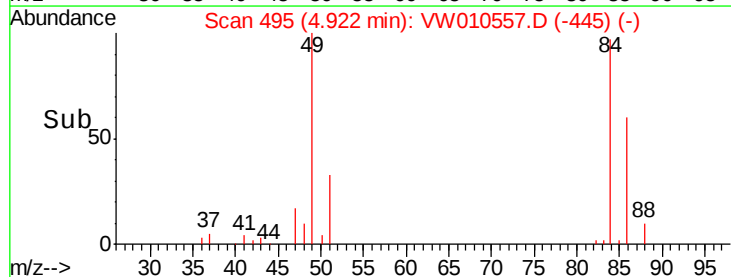
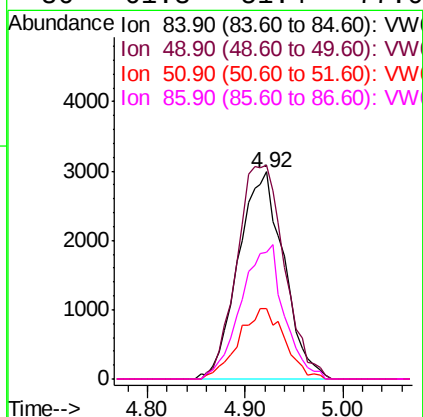
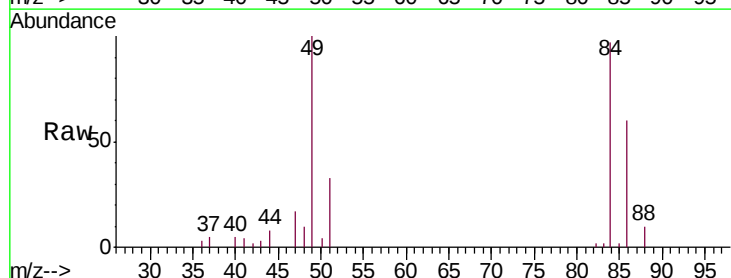
Instrument :
MSVOA_W
ClientSampleId :
FK-SF-03-007-B

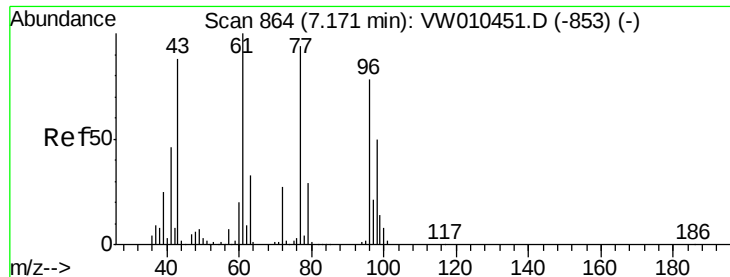
Tgt Ion: 43 Resp: 12342
Ion Ratio Lower Upper
43 100
58 34.4 27.0 40.4



#20
Methylene Chloride
Concen: 1.588 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010557.D
Acq: 24 May 2019 18:17

Tgt Ion: 84 Resp: 9666
Ion Ratio Lower Upper
84 100
49 103.0 87.2 130.8
51 33.9 27.7 41.5
86 61.3 51.4 77.0





#25

2-Butanone

Concen: 8.861 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW010557.D

Acq: 24 May 2019 18:17

Instrument :

MSVOA_W

ClientSampleId :

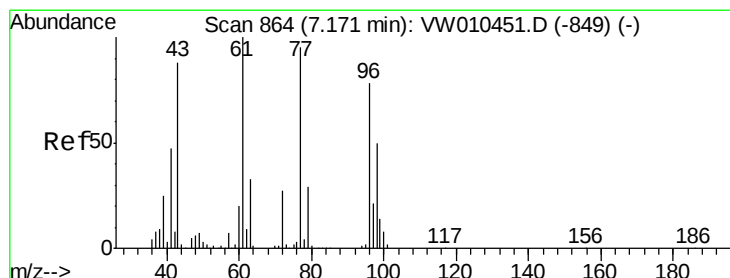
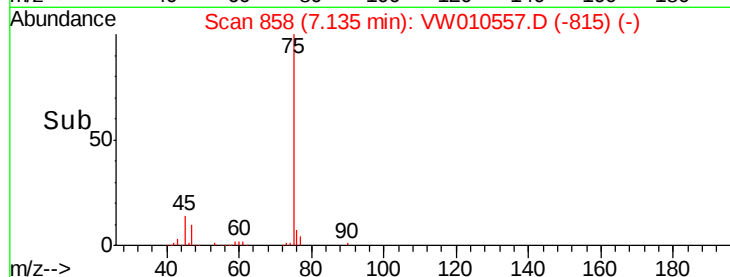
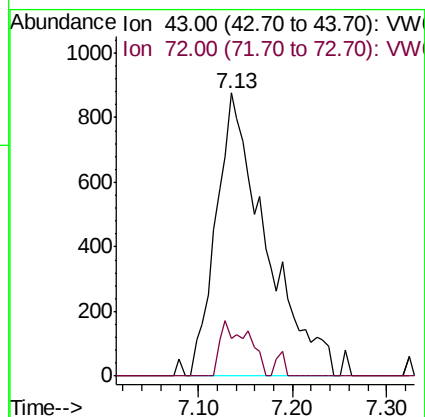
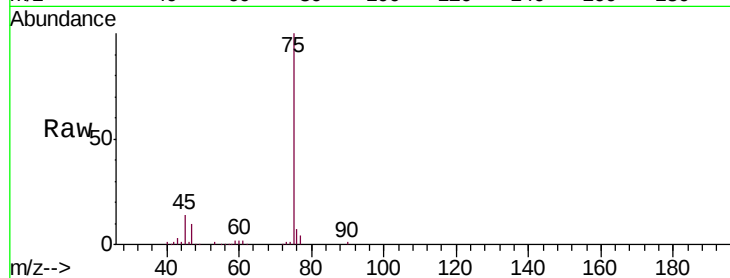
FK-SF-03-007-B

Tgt Ion: 43 Resp: 3215

Ion Ratio Lower Upper

43 100

72 13.2 24.1 36.1#



#26

2,2-Dichloropropane

Concen: 1.762 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW010557.D

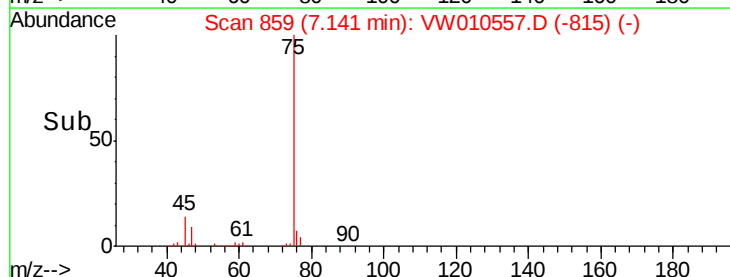
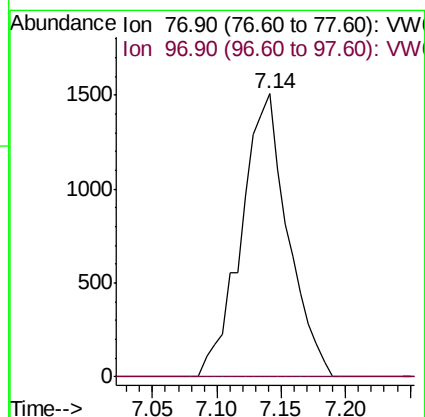
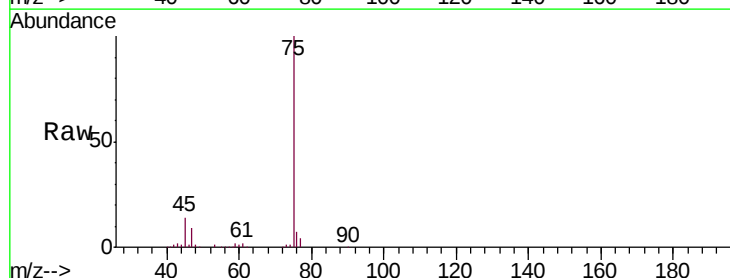
Acq: 24 May 2019 18:17

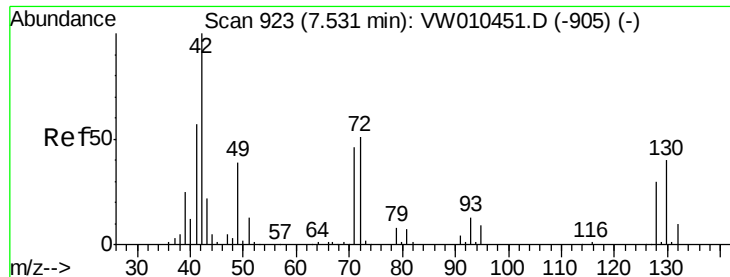
Tgt Ion: 77 Resp: 3778

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#

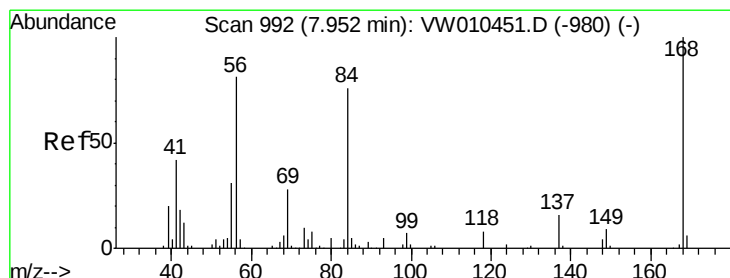
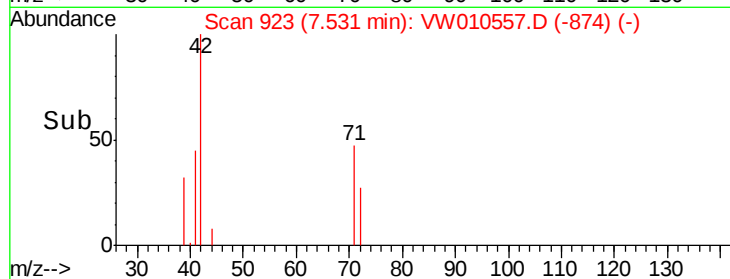
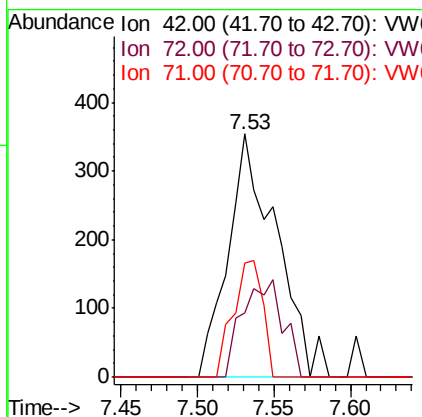
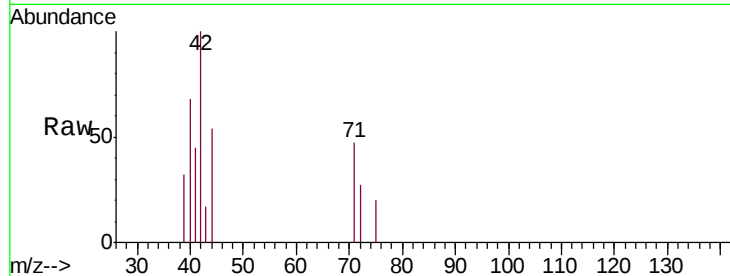




#29
Tetrahydrofuran
Concen: 3.181 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010557.D
Acq: 24 May 2019 18:17

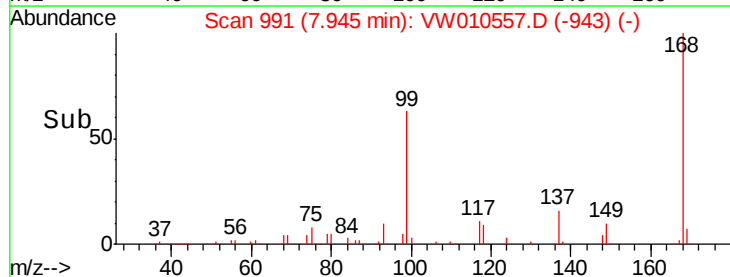
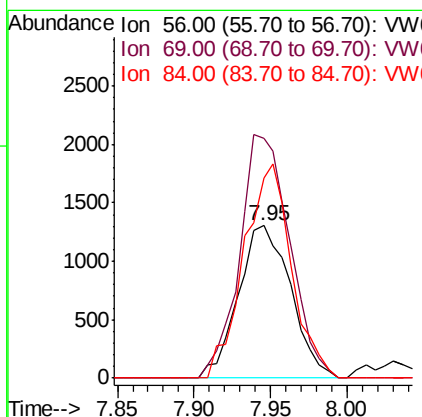
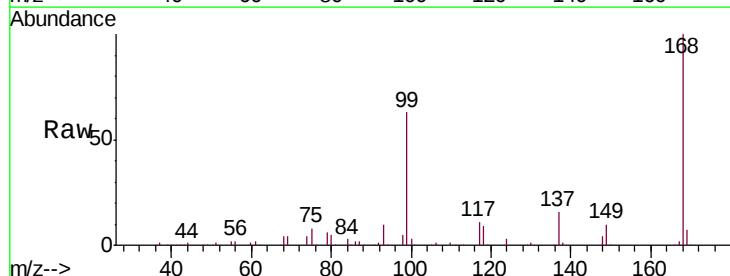
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ClientSampleId :
FK-SF-03-007-B

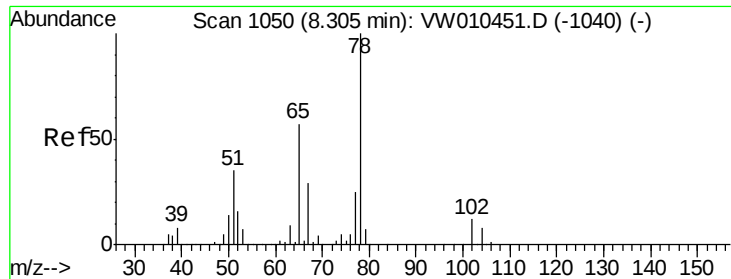
Tgt Ion: 42 Resp: 781
Ion Ratio Lower Upper
42 100
72 33.3 38.5 57.7#
71 28.6 36.5 54.7#



#31
Cyclohexane
Concen: 1.317 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010557.D
Acq: 24 May 2019 18:17

Tgt Ion: 56 Resp: 3106
Ion Ratio Lower Upper
56 100
69 157.1 28.2 42.2#
84 131.1 75.8 113.8#

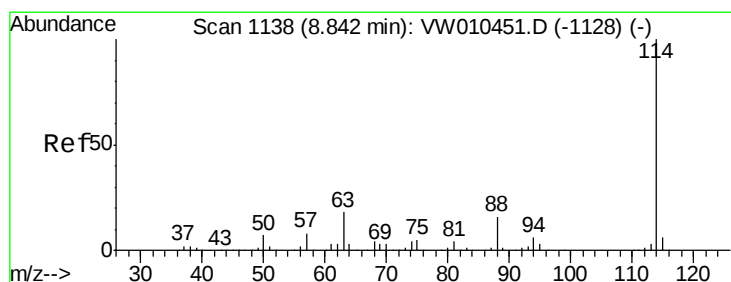
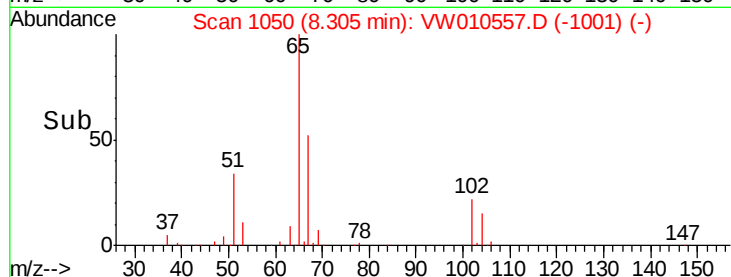
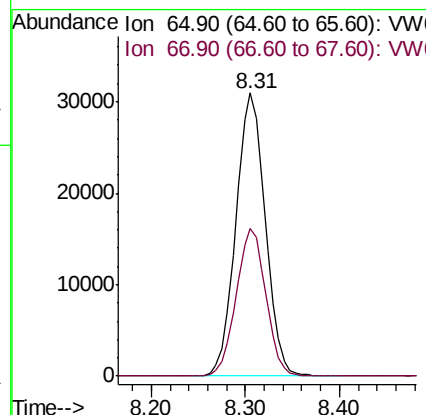
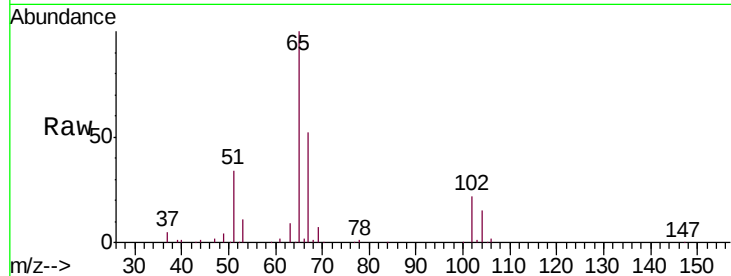




#33
 1,2-Dichloroethane-d4
 Concen: 54.088 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010557.D
 Acq: 24 May 2019 18:17

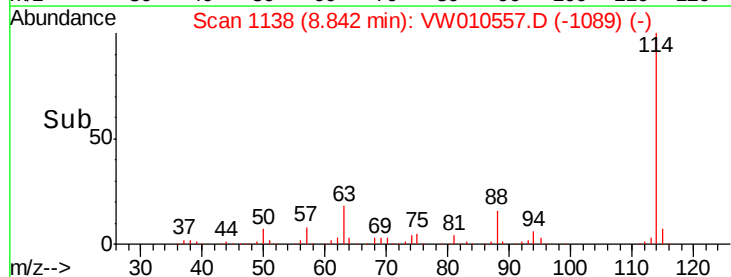
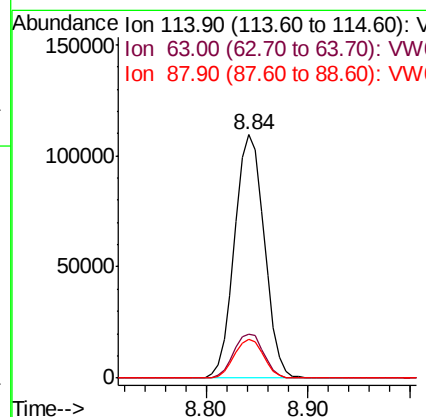
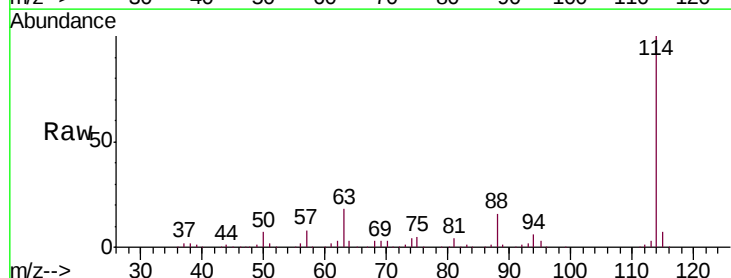
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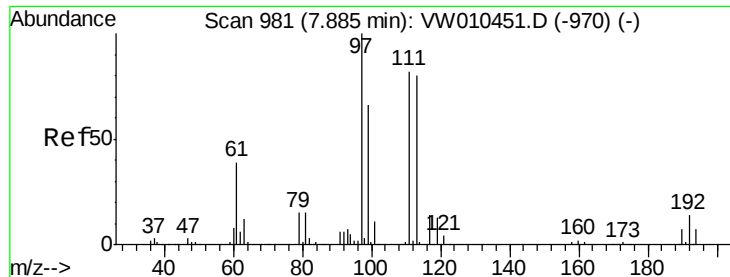
Tgt Ion: 65 Resp: 67178
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010557.D
 Acq: 24 May 2019 18:17

Tgt Ion: 114 Resp: 220362
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 36.0
 88 16.1 0.0 32.0

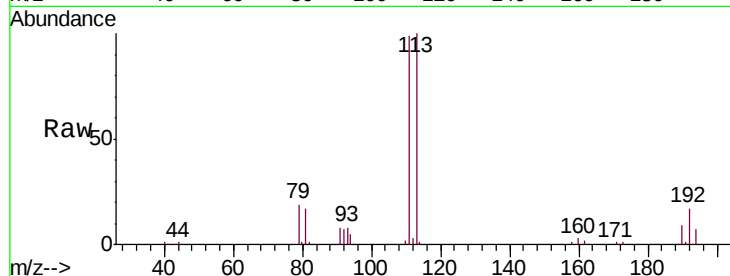




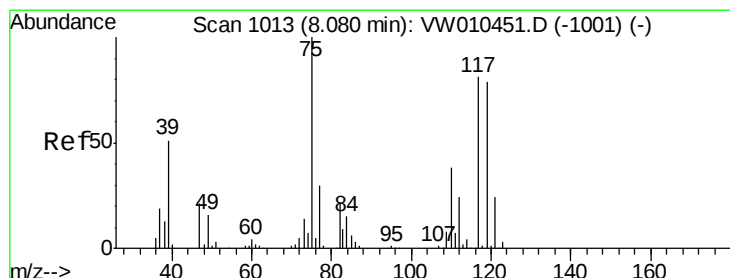
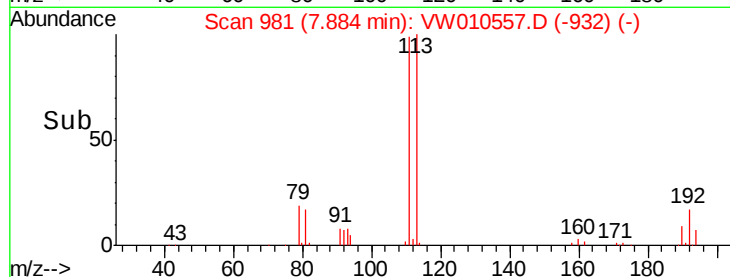
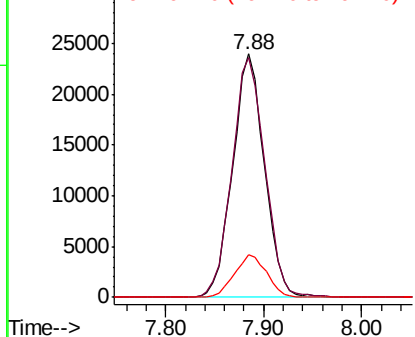
#35
 Dibromofluoromethane
 Concen: 40.451 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010557.D
 Acq: 24 May 2019 18:17

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-SF-03-007-B

Tgt Ion:113 Resp: 54088
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.2 123.4
 192 17.6 14.3 21.5

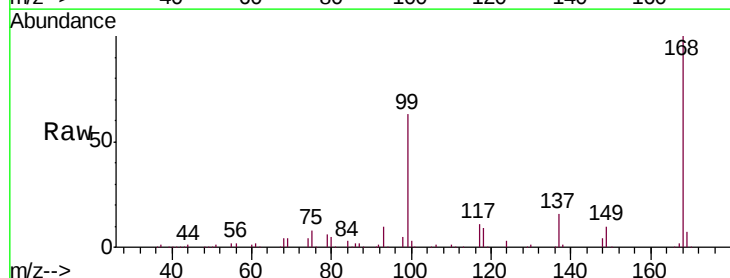


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

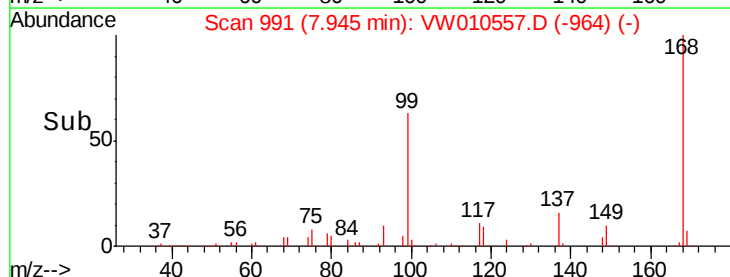
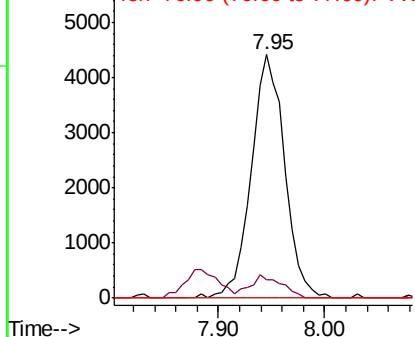


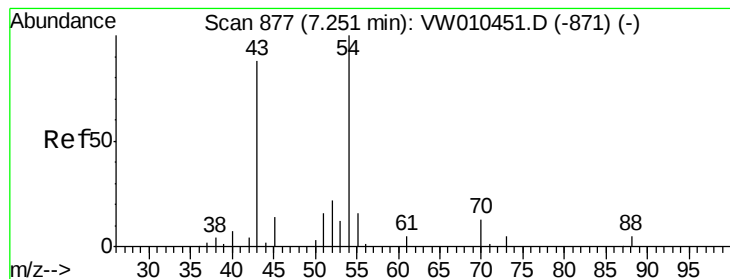
#36
 1,1-Dichloropropene
 Concen: 4.737 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010557.D
 Acq: 24 May 2019 18:17

Tgt Ion: 75 Resp: 9724
 Ion Ratio Lower Upper
 75 100
 110 9.0 19.2 57.6#
 77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 3.683 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.12 min

Lab File: VW010557.D

Acq: 24 May 2019 18:17

Instrument :

MSVOA_W

ClientSampleId :

FK-SF-03-007-B

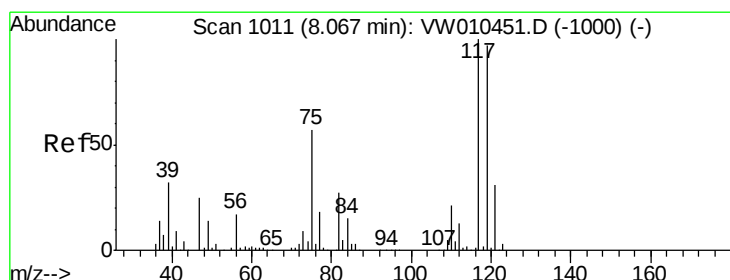
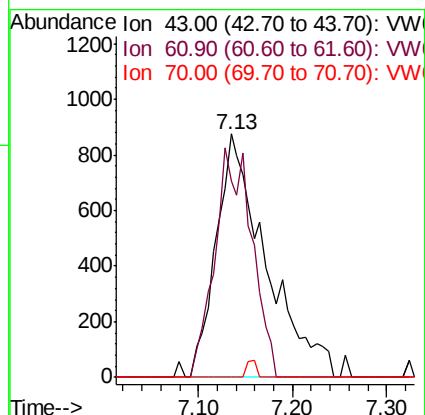
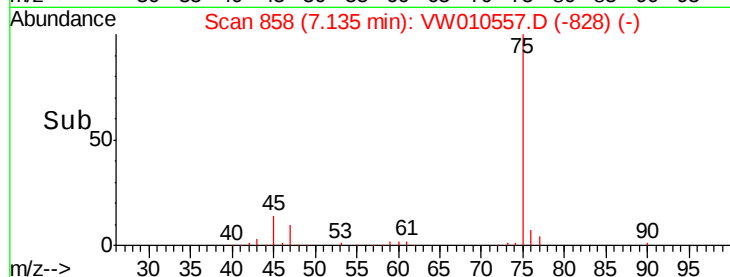
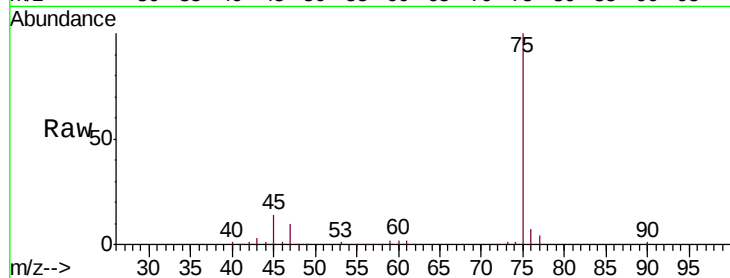
Tgt Ion: 43 Resp: 3215

Ion Ratio Lower Upper

43 100

61 70.3 11.2 16.8#

70 0.0 9.9 14.9#



#38

Carbon Tetrachloride

Concen: 5.665 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010557.D

Acq: 24 May 2019 18:17

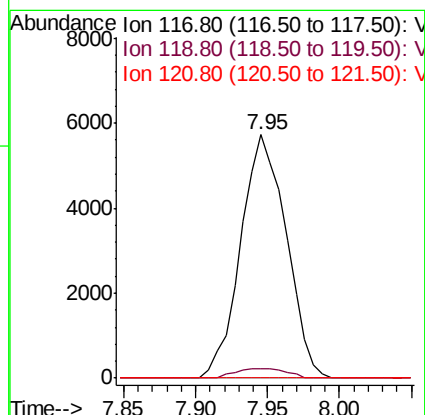
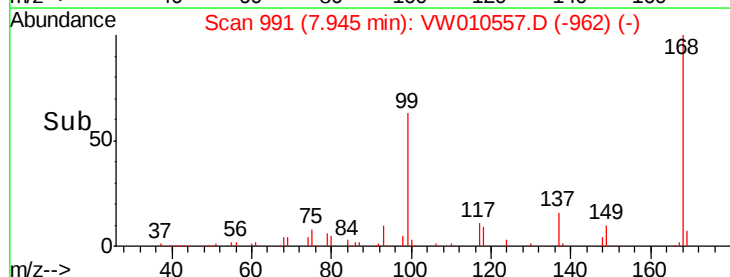
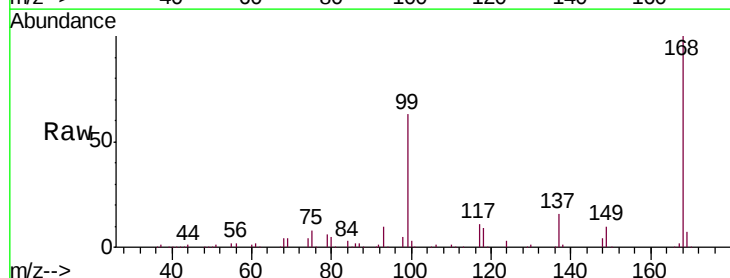
Tgt Ion: 117 Resp: 12544

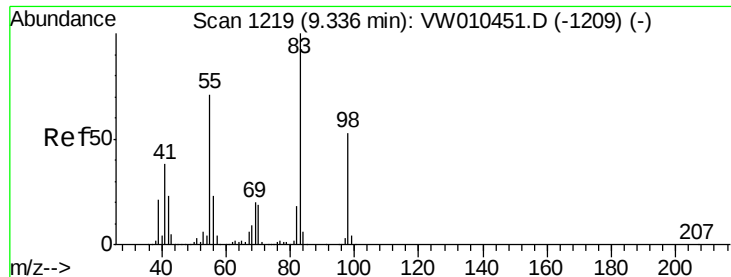
Ion Ratio Lower Upper

117 100

119 3.9 77.4 116.0#

121 0.0 25.0 37.6#

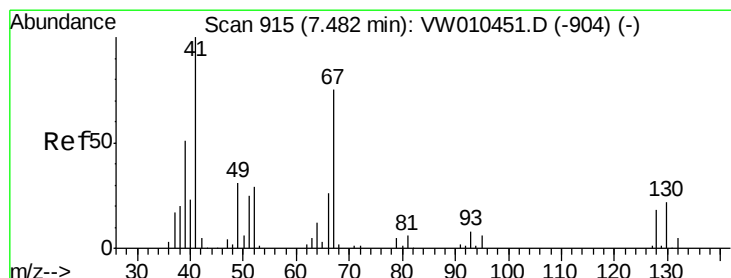
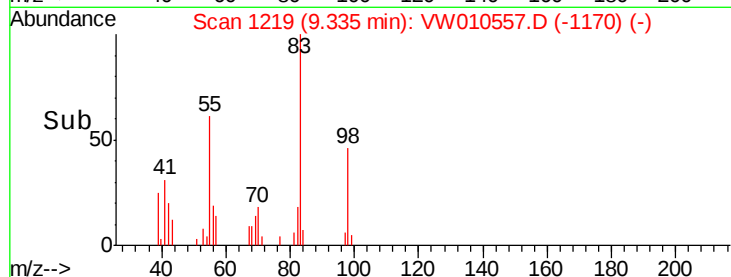
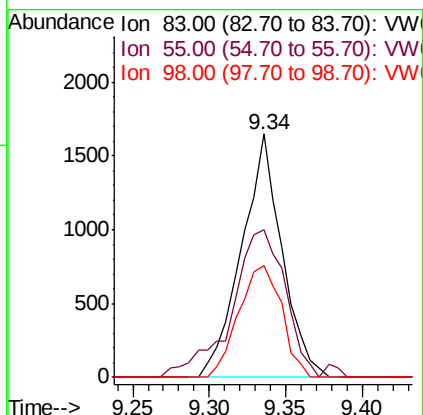
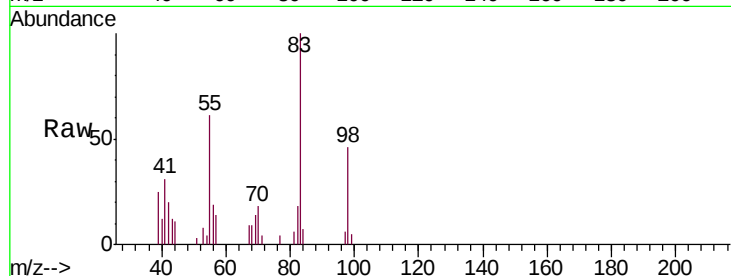




#39
Methylcyclohexane
Concen: 1.100 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010557.D
Acq: 24 May 2019 18:17

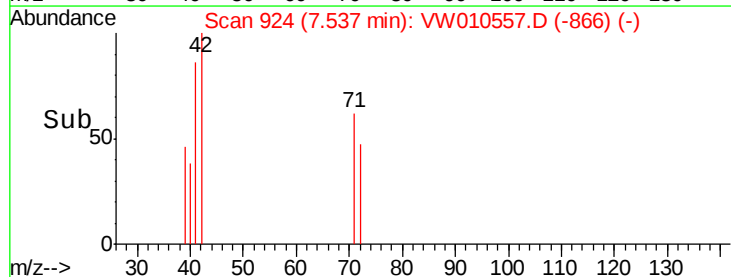
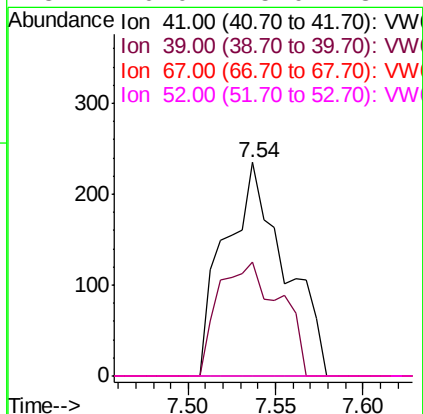
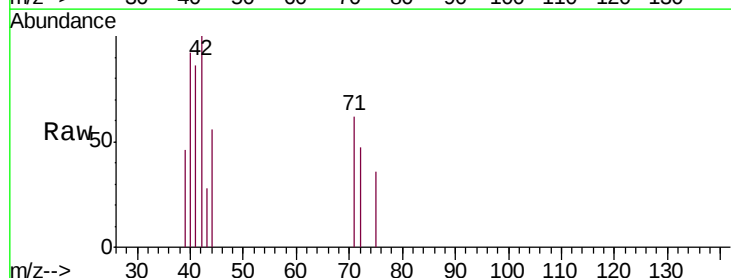
Instrument :
MSVOA_W
ClientSampleId :
FK-SF-03-007-B

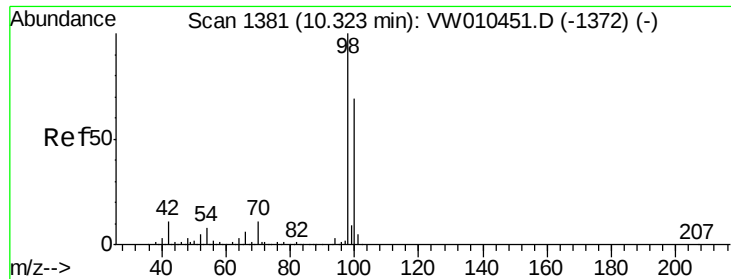
Tgt Ion: 83 Resp: 3024
Ion Ratio Lower Upper
83 100
55 56.8 57.0 85.6#
98 46.1 42.0 63.0



#41
Methacrylonitrile
Concen: 1.080 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW010557.D
Acq: 24 May 2019 18:17

Tgt Ion: 41 Resp: 560
Ion Ratio Lower Upper
41 100
39 54.8 47.4 71.2
67 0.0 65.5 98.3#
52 0.0 25.0 37.4#





#50

Toluene-d8

Concen: 49.567 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010557.D

Acq: 24 May 2019 18:17

Instrument :

MSVOA_W

ClientSampleId :

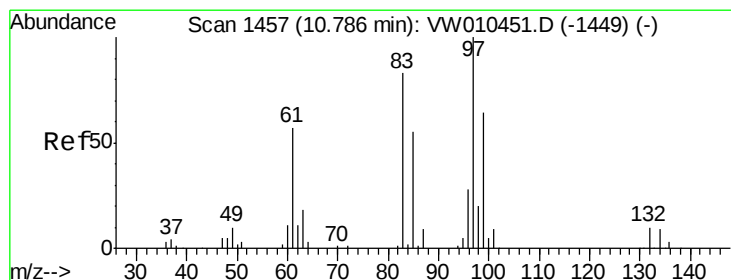
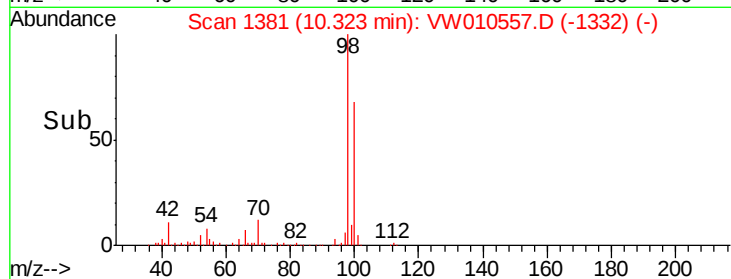
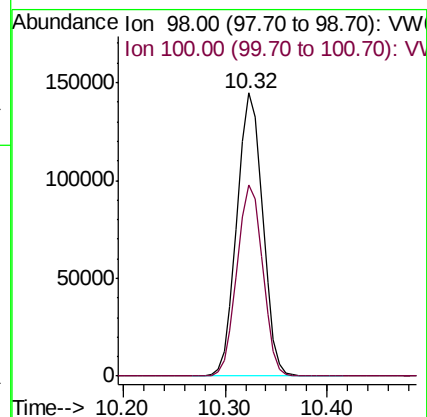
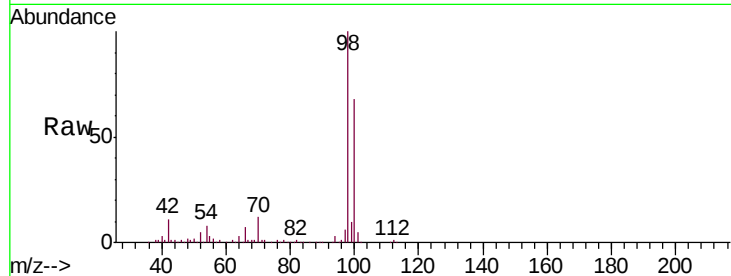
FK-SF-03-007-B

Tgt Ion: 98 Resp: 253192

Ion Ratio Lower Upper

98 100

100 67.2 53.7 80.5



#55

1,1,2-Trichloroethane

Concen: 4.646 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW010557.D

Acq: 24 May 2019 18:17

Tgt Ion: 97 Resp: 5294

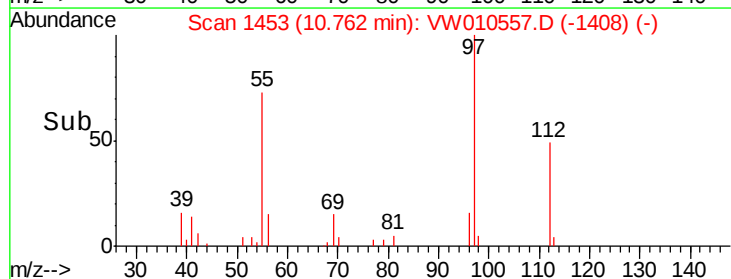
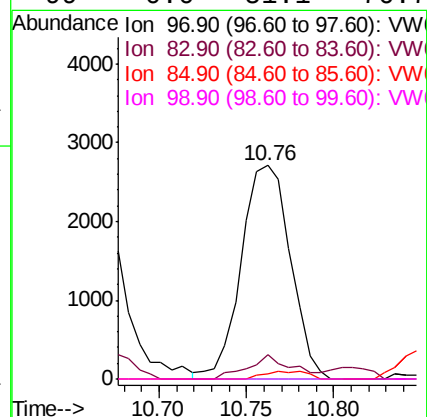
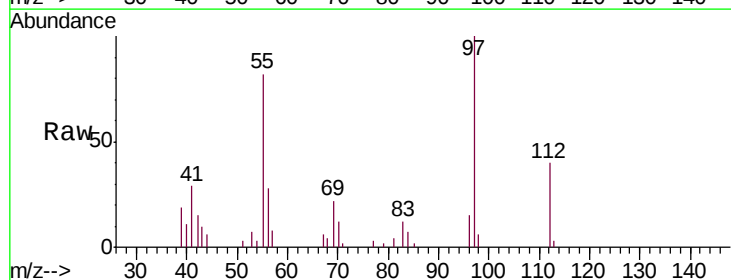
Ion Ratio Lower Upper

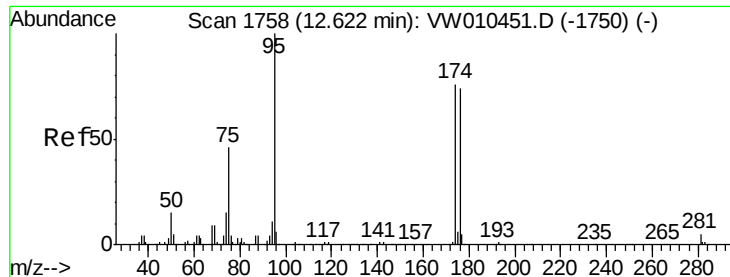
97 100

83 11.5 66.1 99.1#

85 2.3 44.2 66.4#

99 0.0 51.1 76.7#

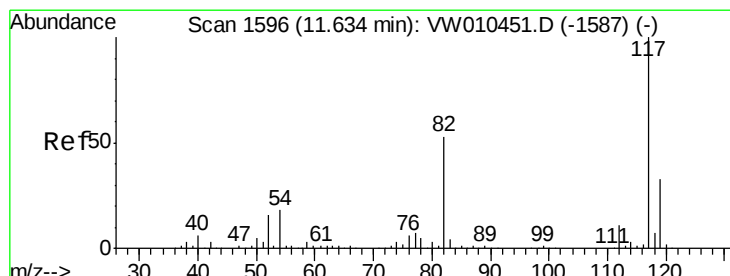
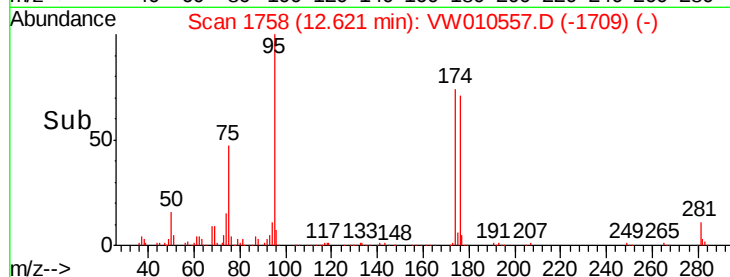
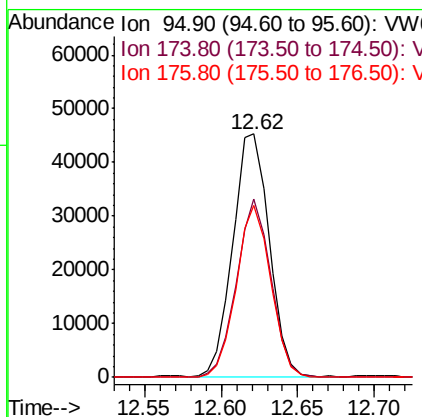
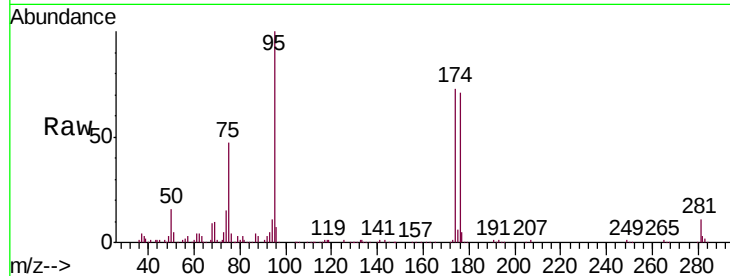




#62
4-Bromofluorobenzene
Concen: 36.750 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010557.D
Acq: 24 May 2019 18:17

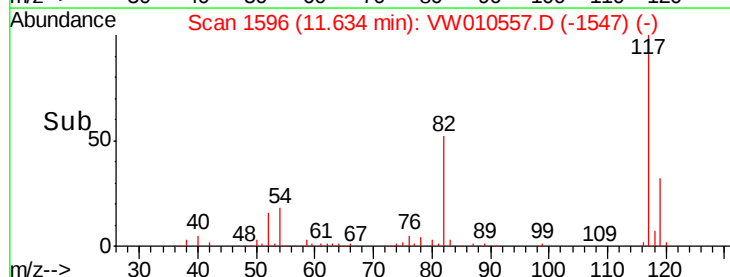
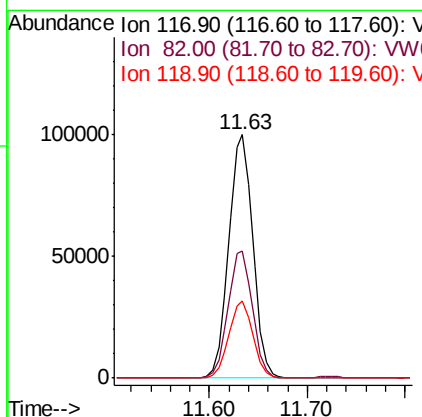
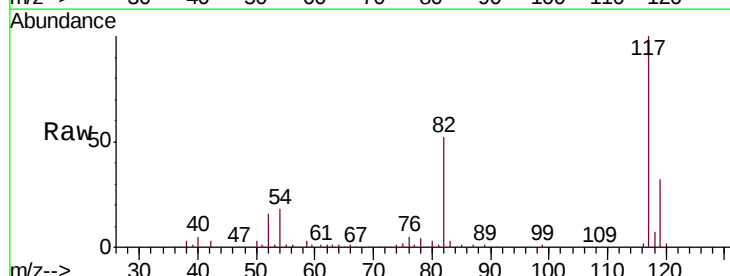
Instrument :
MSVOA_W
ClientSampleId :
FK-SF-03-007-B

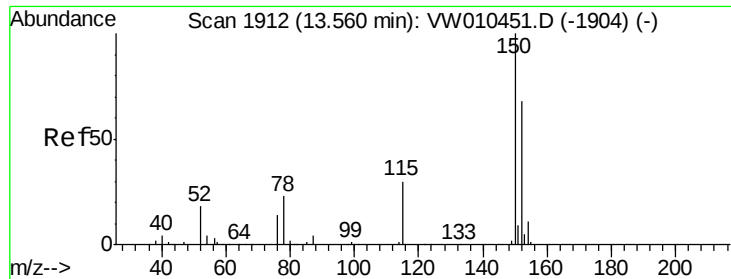
Tgt Ion: 95 Resp: 74772
Ion Ratio Lower Upper
95 100
174 69.4 0.0 148.6
176 67.0 0.0 144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010557.D
Acq: 24 May 2019 18:17

Tgt Ion: 117 Resp: 170028
Ion Ratio Lower Upper
117 100
82 52.3 42.8 64.2
119 31.5 26.3 39.5

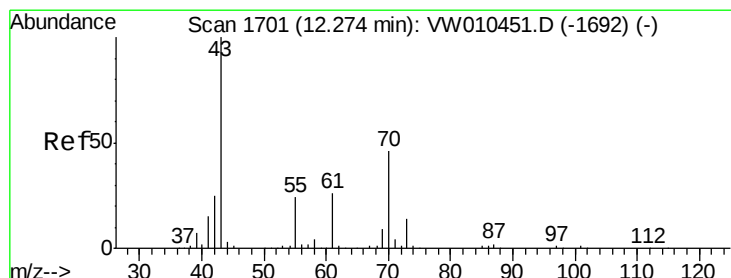
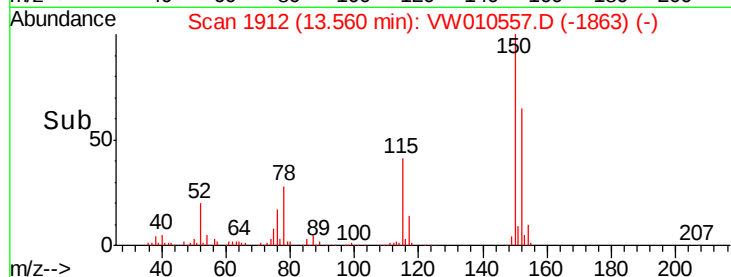
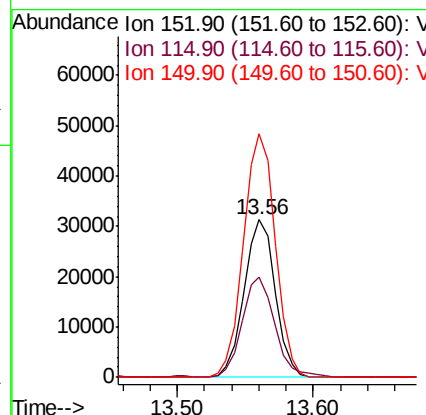
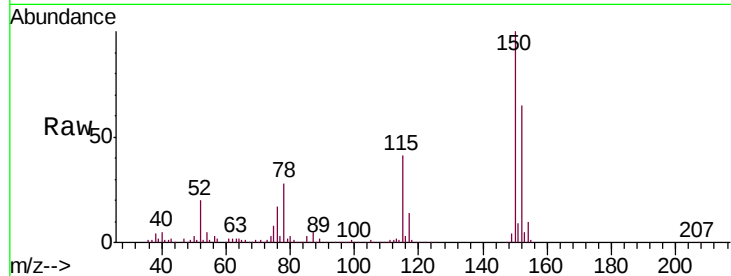




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW010557.D
 Acq: 24 May 2019 18:17

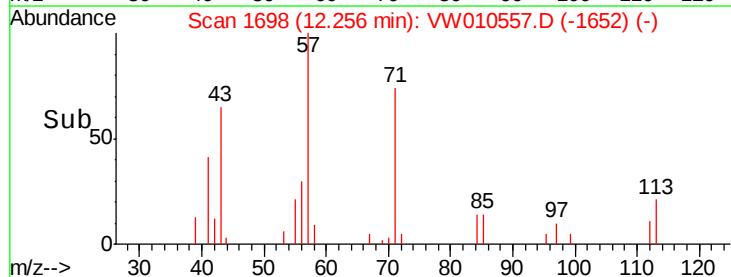
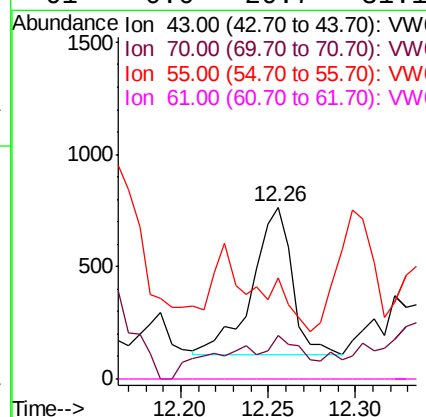
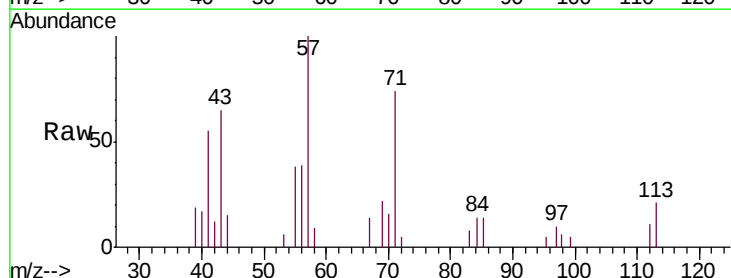
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-SF-03-007-B

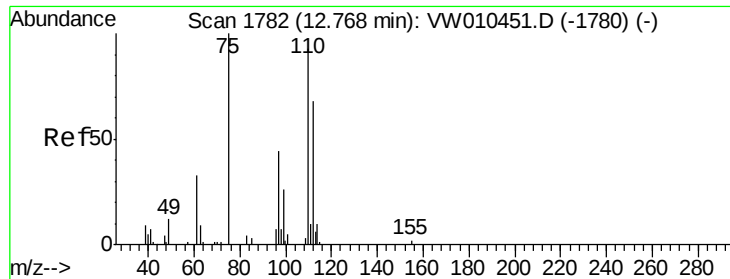
Tgt Ion:152 Resp: 50035
 Ion Ratio Lower Upper
 152 100
 115 67.2 30.3 91.0
 150 158.4 0.0 349.8



#74
 N-ethyl acetate
 Concen: 1.138 ug/l
 RT: 12.26 min Scan# 1698
 Delta R.T. -0.02 min
 Lab File: VW010557.D
 Acq: 24 May 2019 18:17

Tgt Ion: 43 Resp: 1035
 Ion Ratio Lower Upper
 43 100
 70 11.2 37.1 55.7#
 55 0.0 19.6 29.4#
 61 0.0 20.7 31.1#

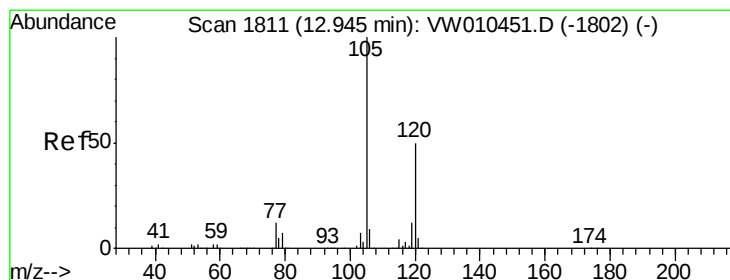
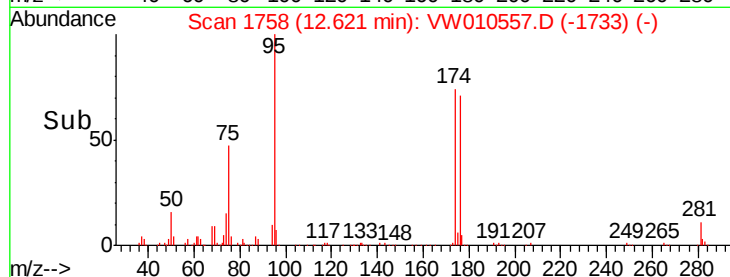
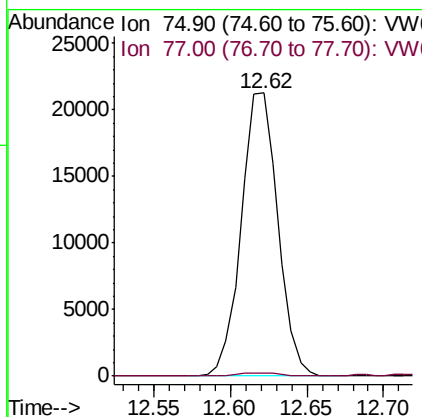
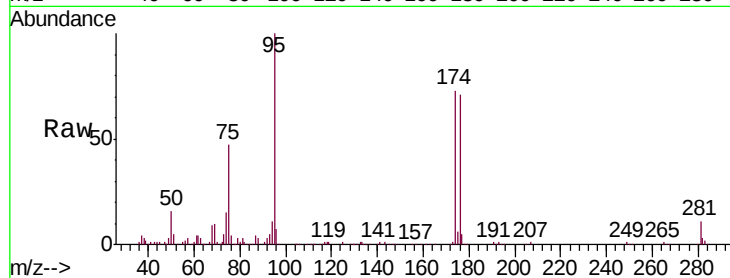




#76
 1,2,3-Trichloropropane
 Concen: 69.622 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW010557.D
 Acq: 24 May 2019 18:17

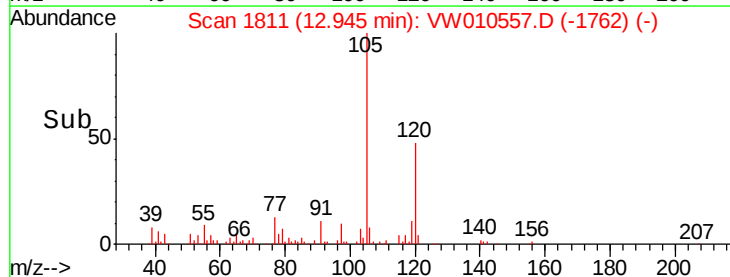
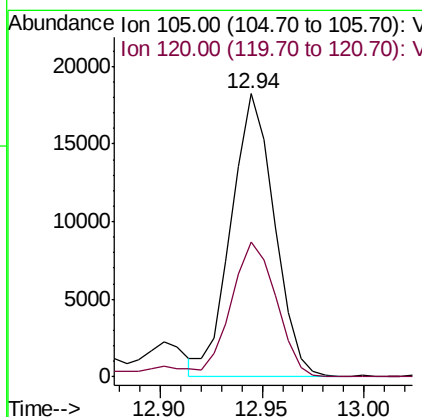
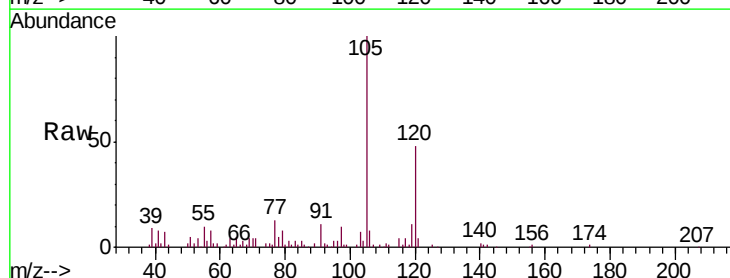
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-SF-03-007-B

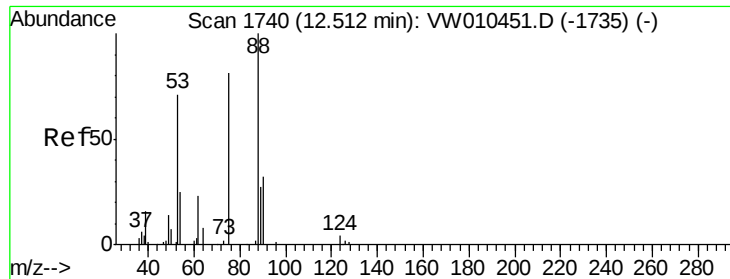
Tgt Ion: 75 Resp: 35360
 Ion Ratio Lower Upper
 75 100
 77 1.3 170.0 510.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 8.004 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW010557.D
 Acq: 24 May 2019 18:17

Tgt Ion: 105 Resp: 26917
 Ion Ratio Lower Upper
 105 100
 120 49.6 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 145.303 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010557.D

Acq: 24 May 2019 18:17

Instrument :

MSVOA_W

ClientSampleId :

FK-SF-03-007-B

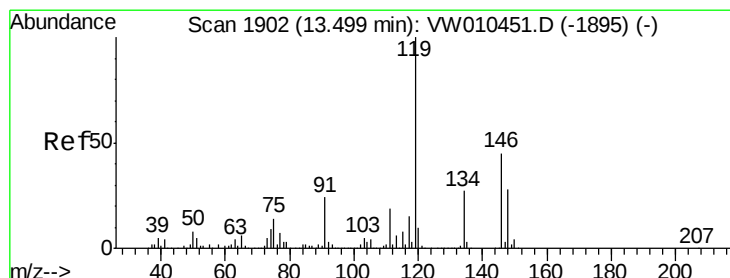
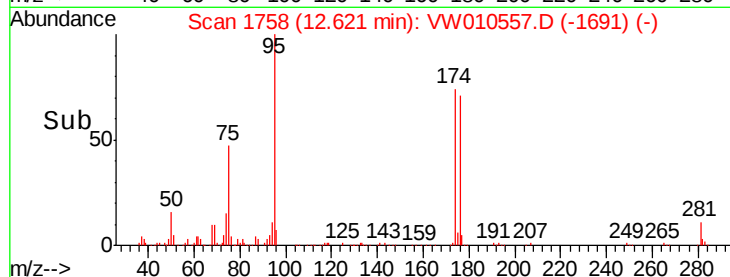
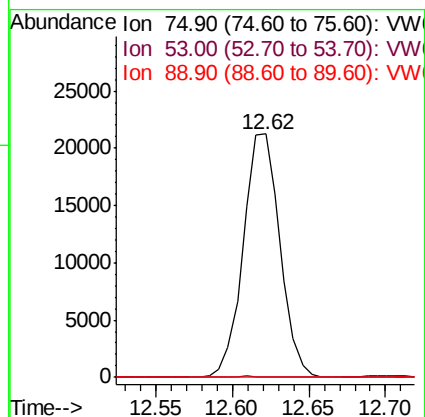
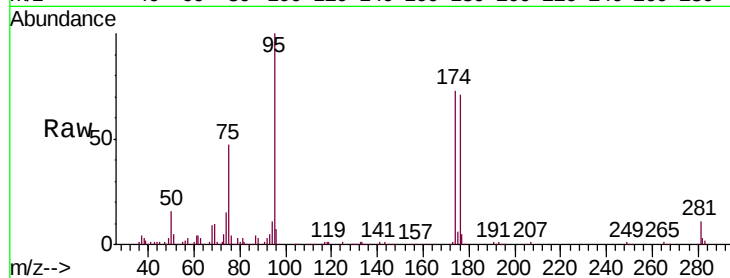
Tgt Ion: 75 Resp: 35360

Ion Ratio Lower Upper

75 100

53 0.3 69.8 104.8#

89 0.1 39.5 59.3#



#86

p-Isopropyltoluene

Concen: 1.024 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010557.D

Acq: 24 May 2019 18:17

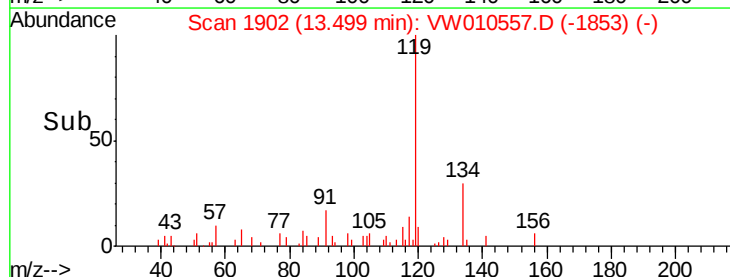
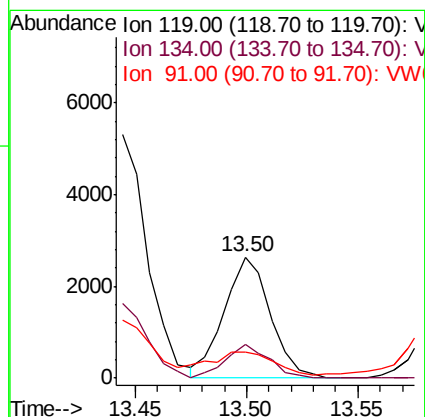
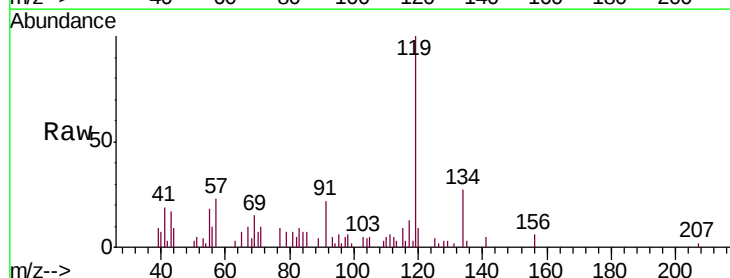
Tgt Ion: 119 Resp: 3809

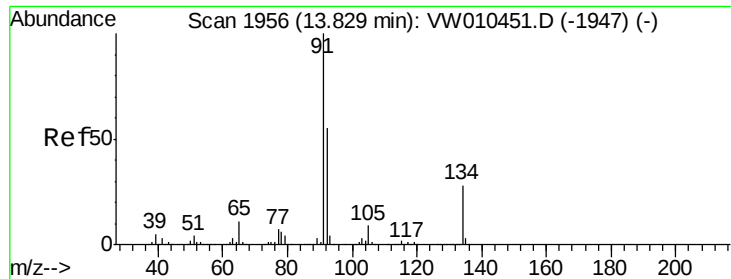
Ion Ratio Lower Upper

119 100

134 26.2 13.6 40.7

91 24.7 11.9 35.7

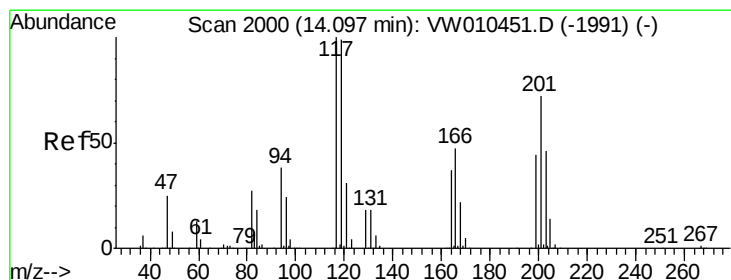
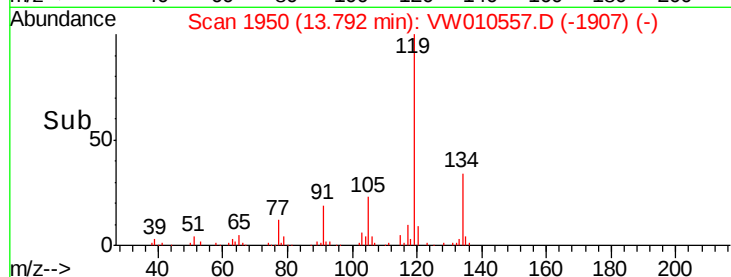
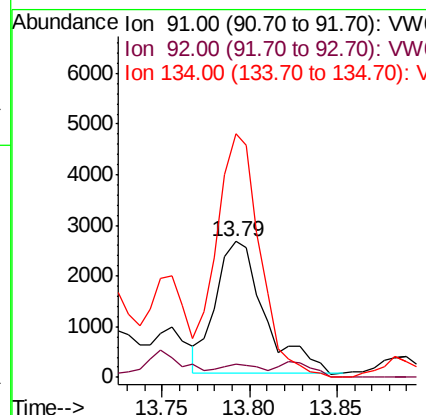
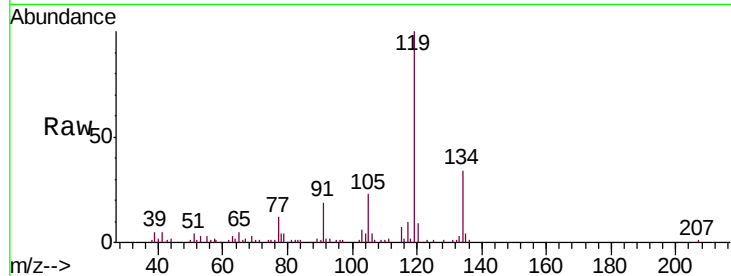




#89
n-Butylbenzene
Concen: 1.442 ug/l
RT: 13.79 min Scan# 1950
Delta R.T. -0.04 min
Lab File: VW010557.D
Acq: 24 May 2019 18:17

Instrument :
MSVOA_W
ClientSampleId :
FK-SF-03-007-B

Tgt Ion: 91 Resp: 5104
Ion Ratio Lower Upper
91 100
92 7.5 27.7 83.1#
134 164.5 13.9 41.6#



#90
Hexachloroethane
Concen: 2.311 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.01 min
Lab File: VW010557.D
Acq: 24 May 2019 18:17

Tgt Ion: 117 Resp: 1664
Ion Ratio Lower Upper
117 100
201 0.0 34.6 103.8#

