

Data File : VW010556.D
Acq On : 24 May 2019 17:49
Operator : SY/VA
Sample : K3052-02
Misc : 4.96G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: May 25 01:14:27 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	116847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	214857	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	165158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	48957	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	68114	56.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.96%	
35) Dibromofluoromethane	7.88	113	52504	40.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.54%	
50) Toluene-d8	10.32	98	251527	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.62	95	72868	36.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.46%	

Target Compounds

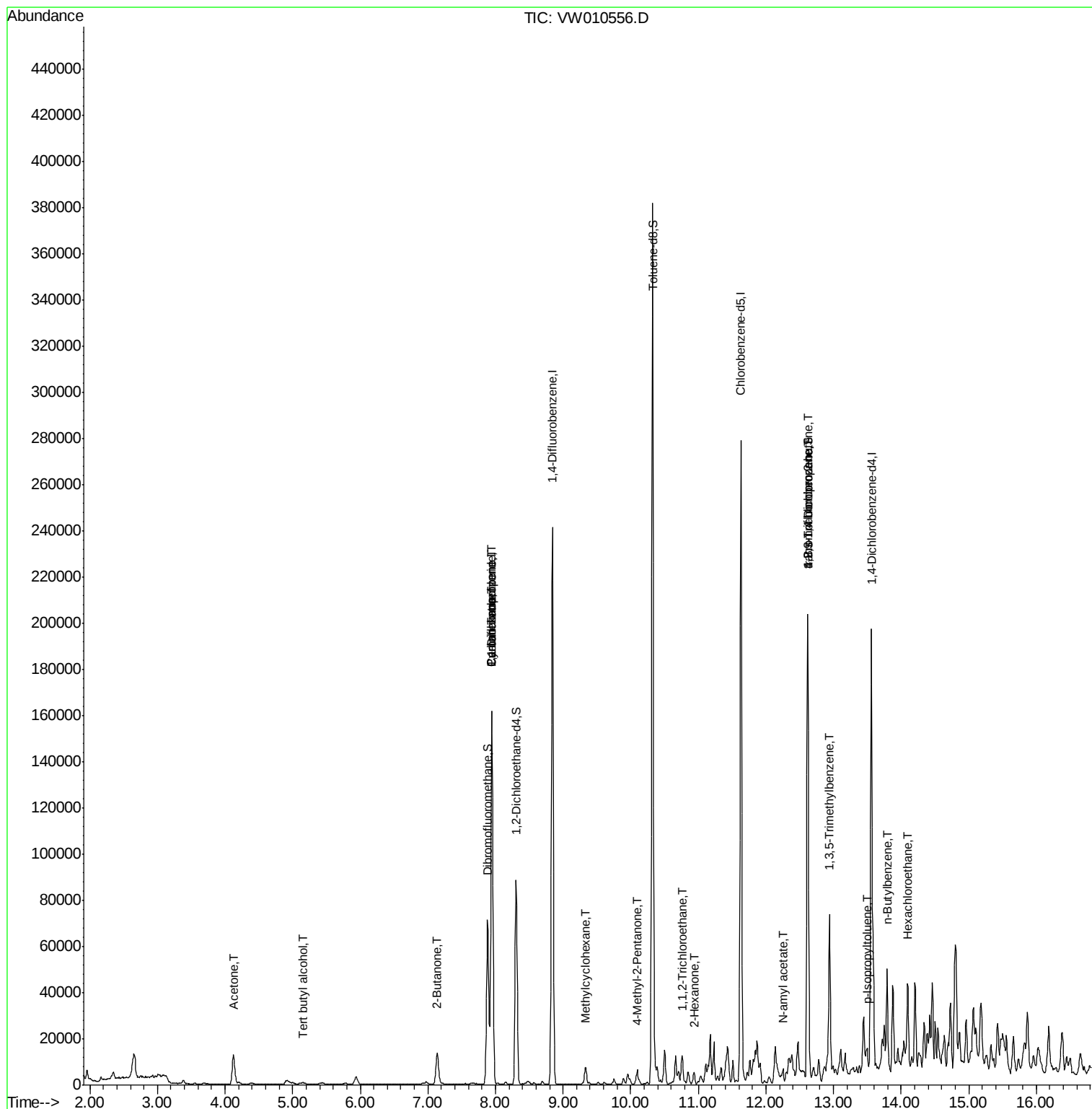
						Qvalue
11) Tert butyl alcohol	5.15	59	1324	12.205	ug/l #	75
16) Acetone	4.13	43	22323	90.676	ug/l	97
20) Methylene Chloride	4.91	84	1360	Below Cal	#	85
25) 2-Butanone	7.14	43	789	2.239	ug/l #	45
31) Cyclohexane	7.95	56	3038	1.327	ug/l #	16
36) 1,1-Dichloropropene	7.95	75	8724	4.359	ug/l #	48
38) Carbon Tetrachloride	7.95	117	12319	5.706	ug/l #	16
39) Methylcyclohexane	9.33	83	3055	1.139	ug/l	90
51) 4-Methyl-2-Pentanone	10.10	43	2827	3.281	ug/l #	34
55) 1,1,2-Trichloroethane	10.76	97	5265	4.738	ug/l #	21
59) 2-Hexanone	10.94	43	2122	3.452	ug/l #	22
74) N-amyl acetate	12.25	43	1080	1.213	ug/l #	58
76) 1,2,3-Trichloropropane	12.62	75	34840	70.108	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.94	105	29508	8.968	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.62	75	34840	146.318	ug/l #	14
86) p-Isopropyltoluene	13.50	119	4233	1.163	ug/l	94
89) n-Butylbenzene	13.79	91	5364	1.549	ug/l #	1
90) Hexachloroethane	14.10	117	2001	2.840	ug/l #	15

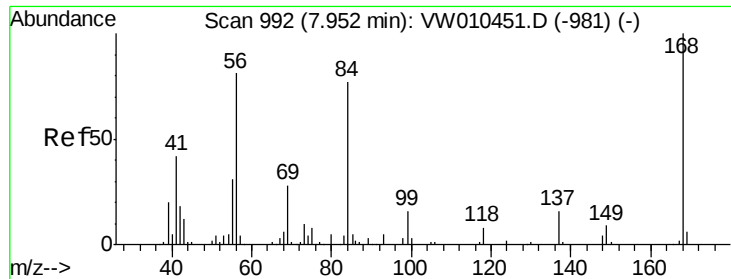
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW010556.D
Acq On : 24 May 2019 17:49
Operator : SY/VA
Sample : K3052-02
Misc : 4.96G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: May 25 01:14:27 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010556.D

Acq: 24 May 2019 17:49

Instrument :

MSVOA_W

ClientSampleId :

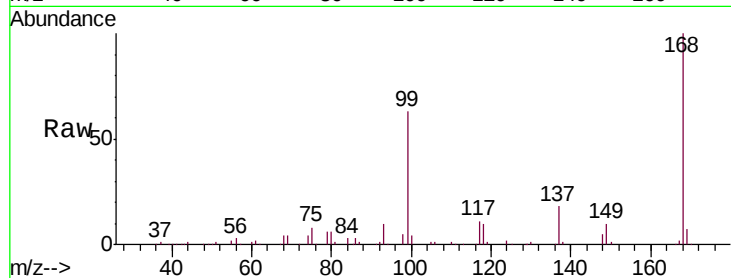
FK-SF-03-007-A

Tgt Ion:168 Resp: 116847

Ion Ratio Lower Upper

168 100

99 62.8 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

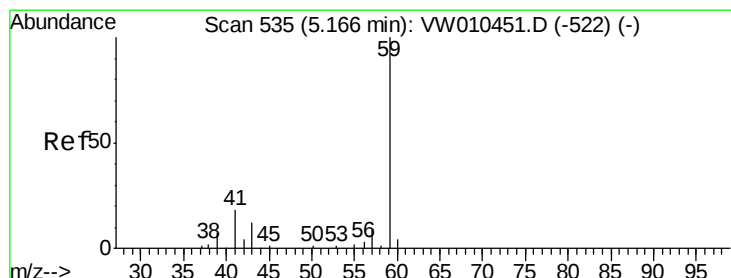
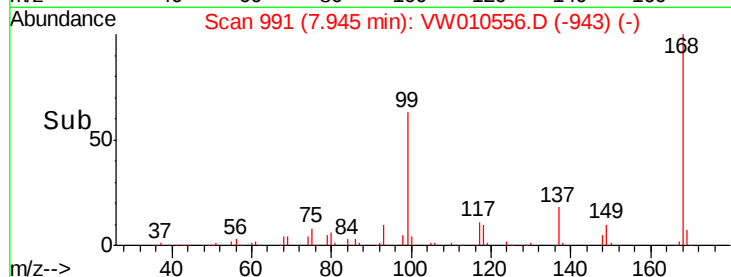
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: 12.205 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW010556.D

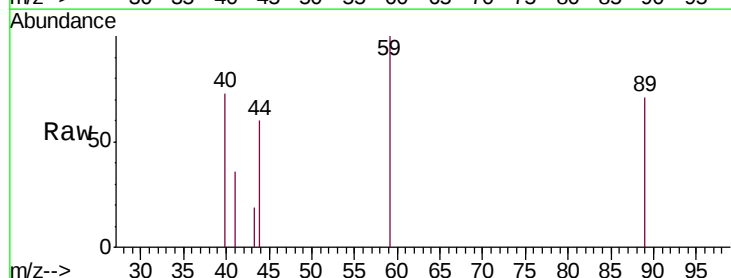
Acq: 24 May 2019 17:49

Tgt Ion: 59 Resp: 1324

Ion Ratio Lower Upper

59 100

57 1.4 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

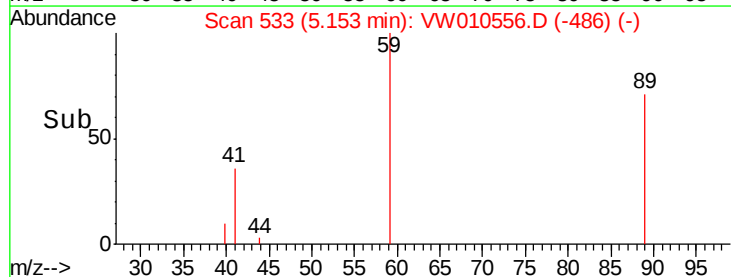
300

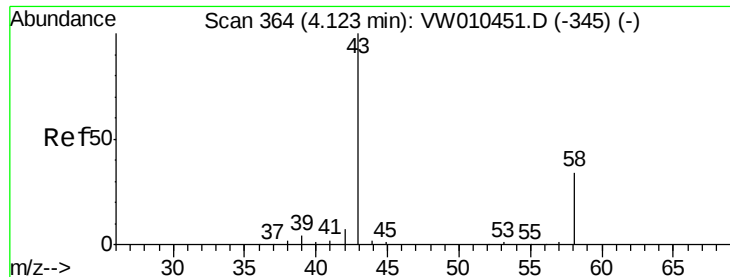
200

100

0

Time-->

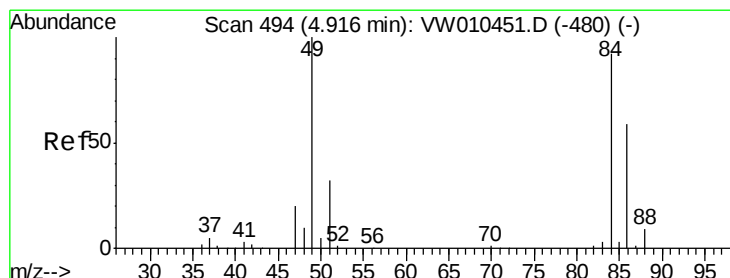
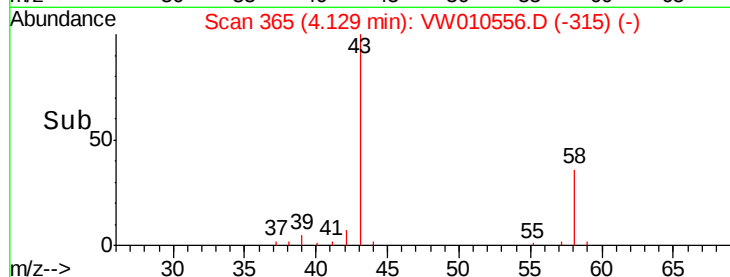
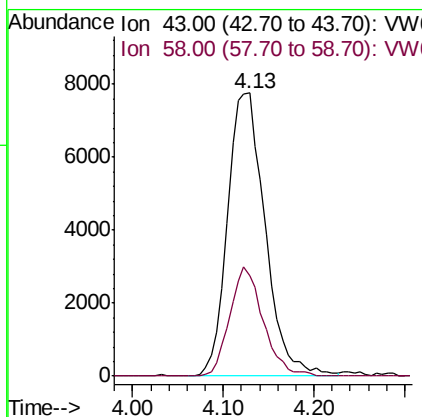
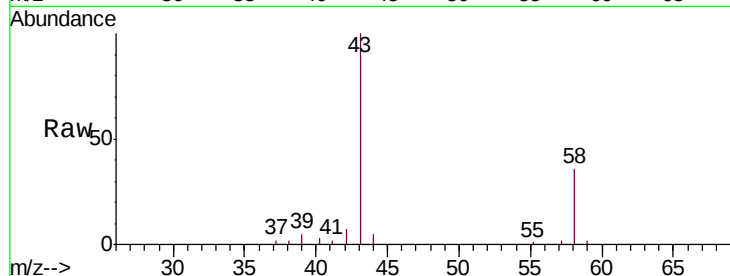




#16
Acetone
Concen: 90.676 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW010556.D
Acq: 24 May 2019 17:49

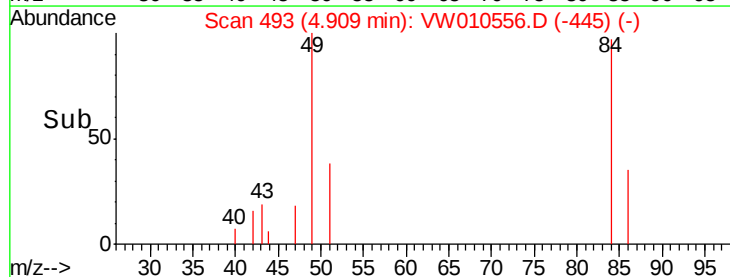
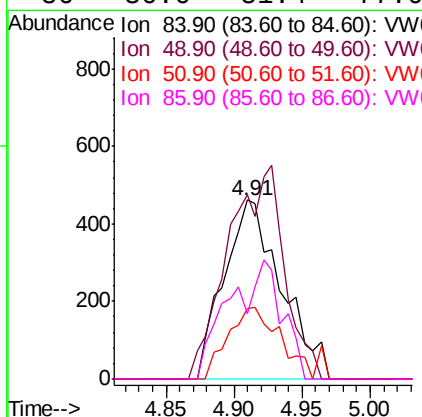
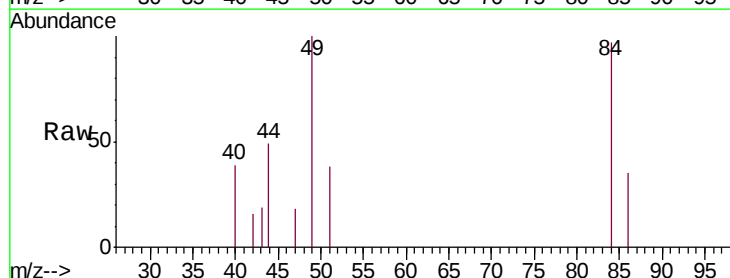
Instrument :
MSVOA_W
ClientSampleId :
FK-SF-03-007-A

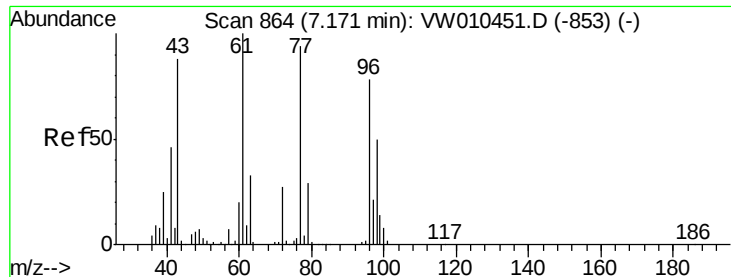
Tgt Ion: 43 Resp: 22323
Ion Ratio Lower Upper
43 100
58 35.7 27.0 40.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010556.D
Acq: 24 May 2019 17:49

Tgt Ion: 84 Resp: 1360
Ion Ratio Lower Upper
84 100
49 103.2 87.2 130.8
51 39.0 27.7 41.5
86 36.6 51.4 77.0#





#25

2-Butanone

Concen: 2.239 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW010556.D

Acq: 24 May 2019 17:49

Instrument :

MSVOA_W

ClientSampleId :

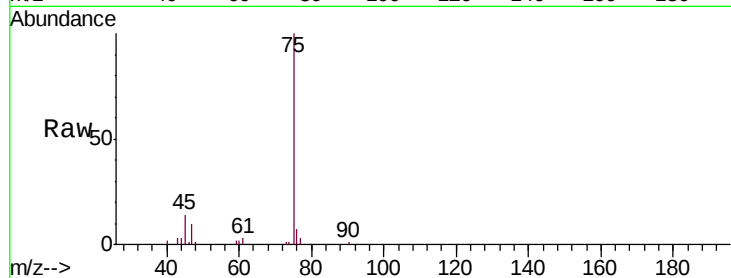
FK-SF-03-007-A

Tgt Ion: 43 Resp: 789

Ion Ratio Lower Upper

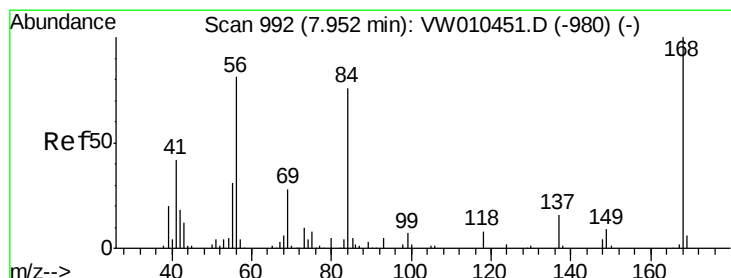
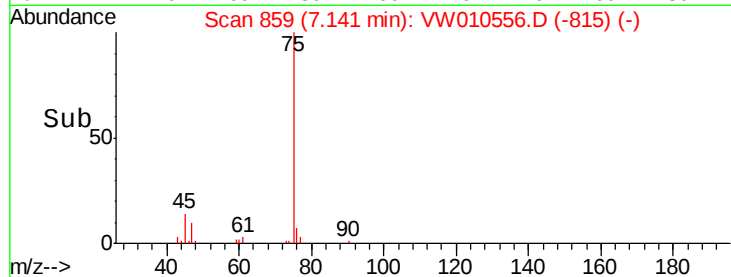
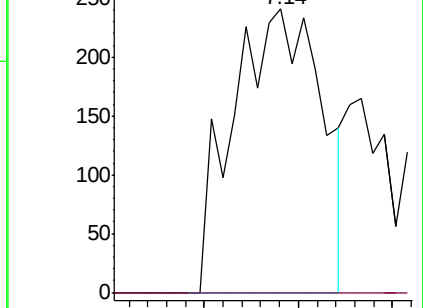
43 100

72 0.0 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.327 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010556.D

Acq: 24 May 2019 17:49

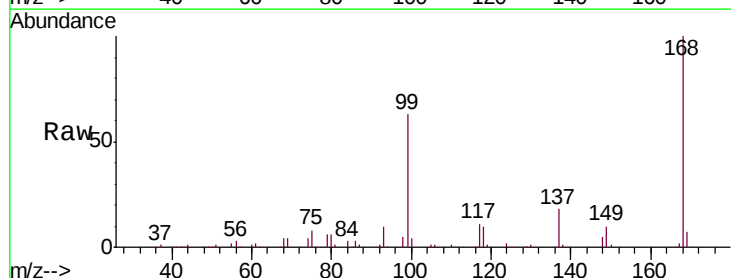
Tgt Ion: 56 Resp: 3038

Ion Ratio Lower Upper

56 100

69 174.4 28.2 42.2#

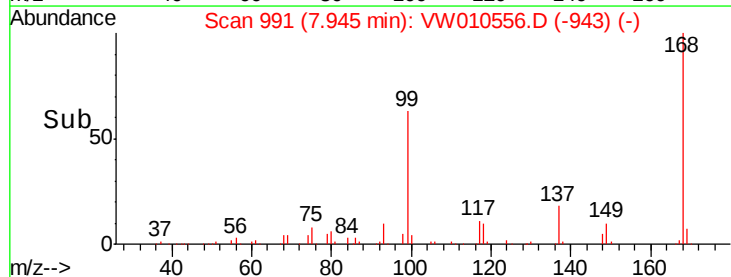
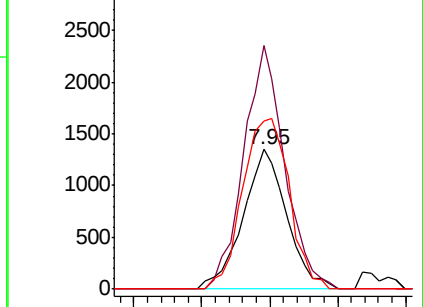
84 120.2 75.8 113.8#

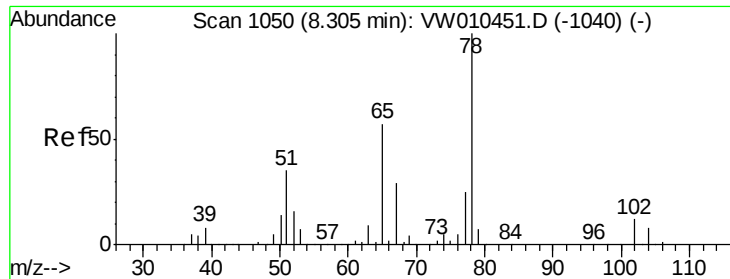


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

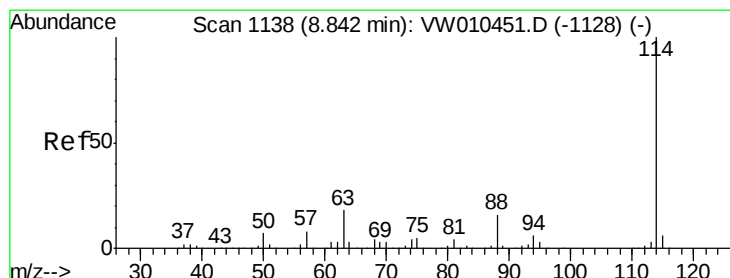
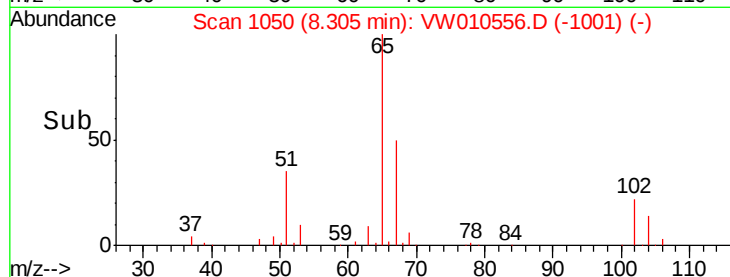
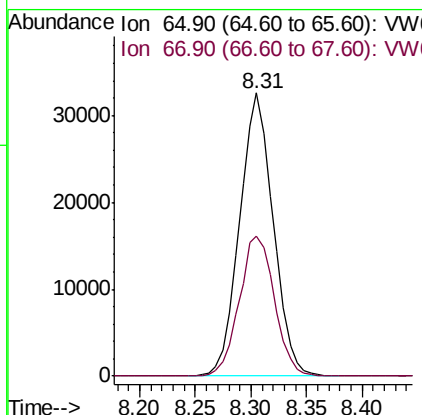
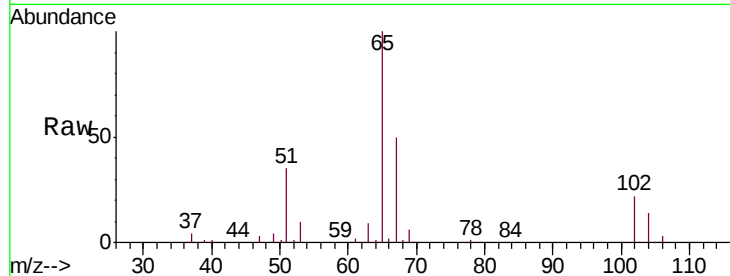




#33
 1,2-Dichloroethane-d4
 Concen: 56.476 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010556.D
 Acq: 24 May 2019 17:49

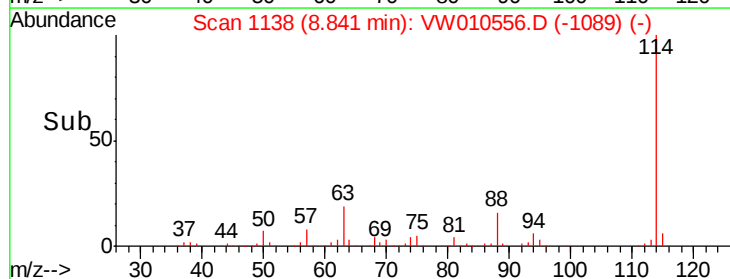
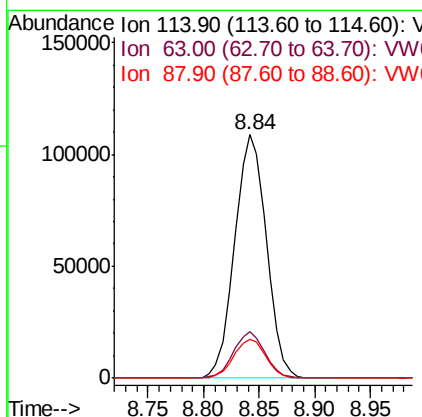
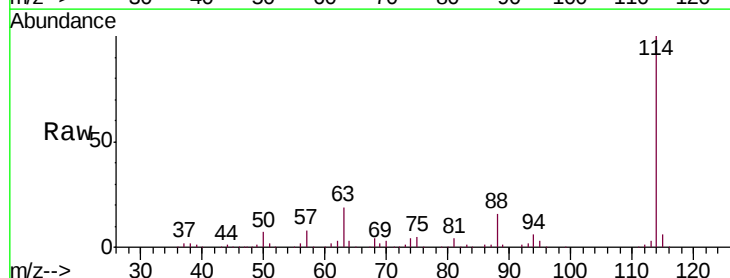
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-SF-03-007-A

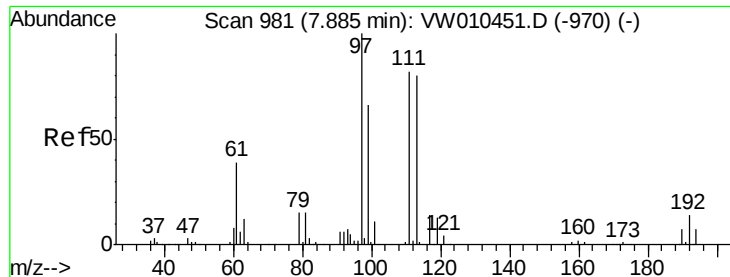
Tgt Ion: 65 Resp: 68114
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010556.D
 Acq: 24 May 2019 17:49

Tgt Ion: 114 Resp: 214857
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 36.0
 88 16.1 0.0 32.0

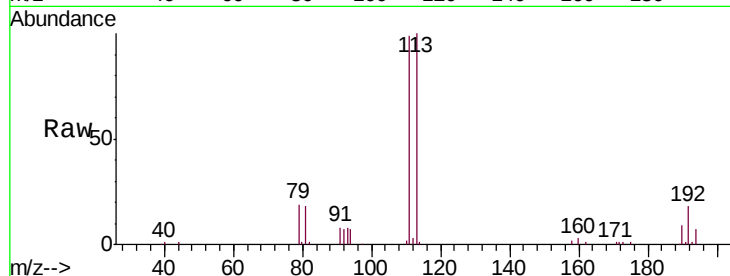




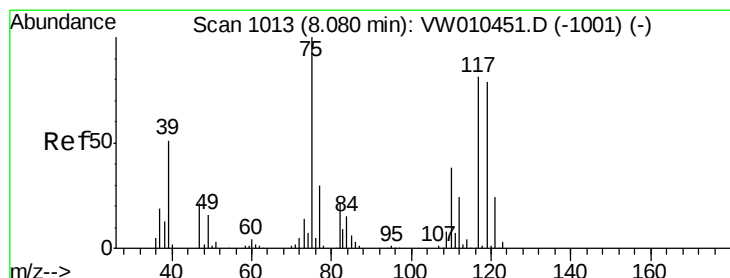
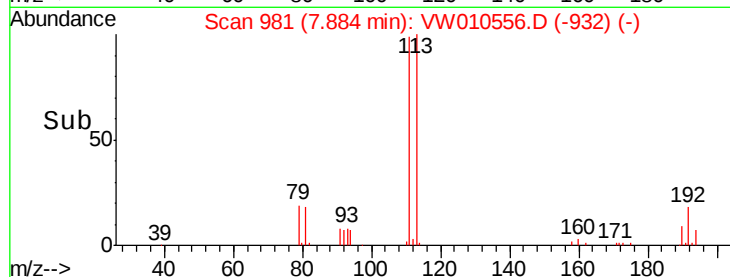
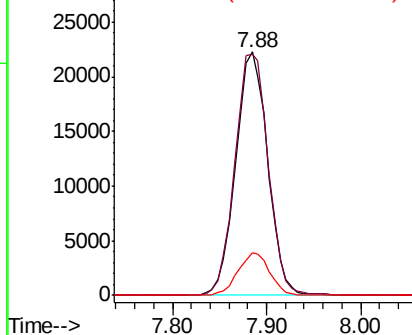
#35
 Dibromofluoromethane
 Concen: 40.273 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010556.D
 Acq: 24 May 2019 17:49

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

Tgt Ion:113 Resp: 52504
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.2 123.4
 192 17.2 14.3 21.5

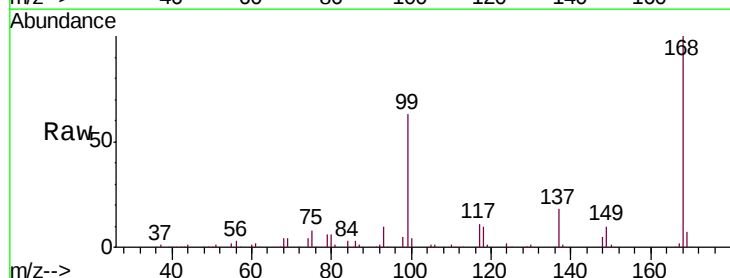


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

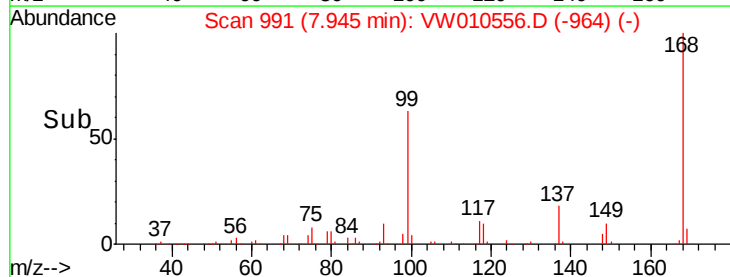
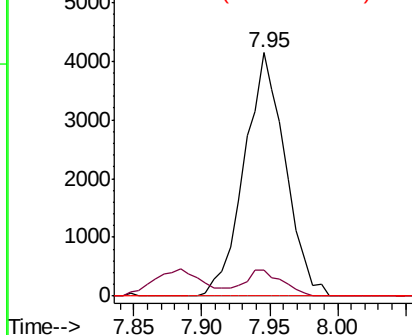


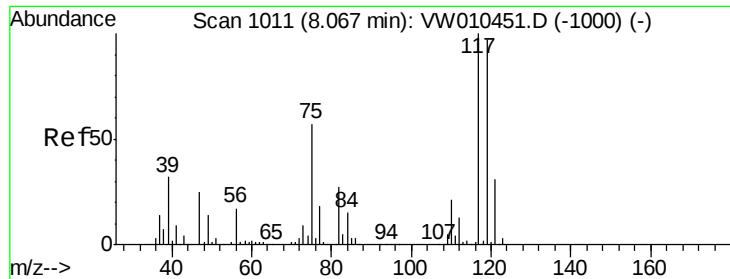
#36
 1,1-Dichloropropene
 Concen: 4.359 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010556.D
 Acq: 24 May 2019 17:49

Tgt Ion: 75 Resp: 8724
 Ion Ratio Lower Upper
 75 100
 110 9.8 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

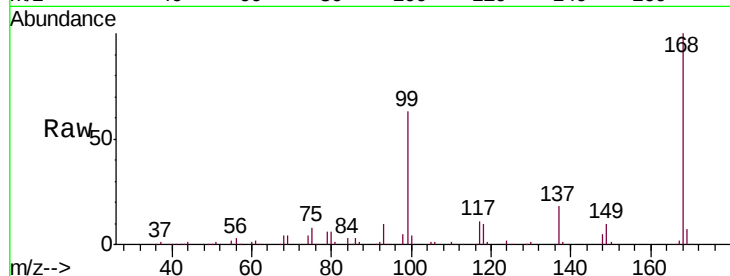




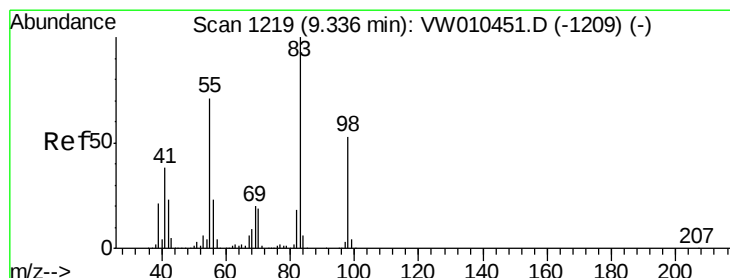
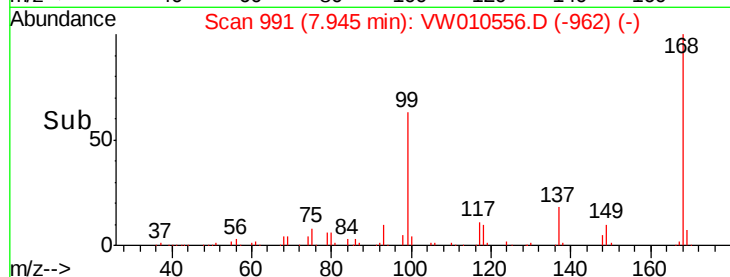
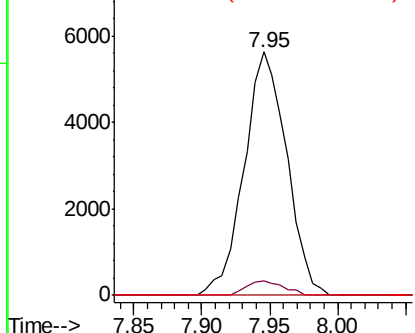
#38
Carbon Tetrachloride
Concen: 5.706 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW010556.D
Acq: 24 May 2019 17:49

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

Tgt Ion: 117 Resp: 12319
Ion Ratio Lower Upper
117 100
119 5.9 77.4 116.0#
121 0.0 25.0 37.6#

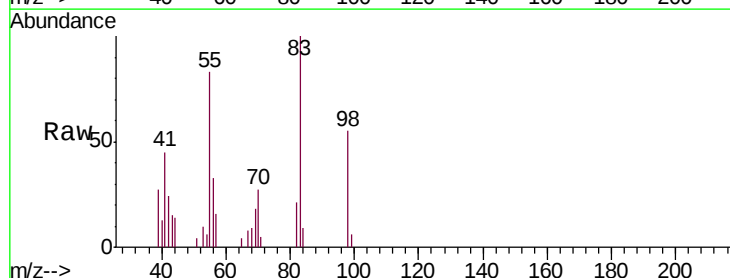


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

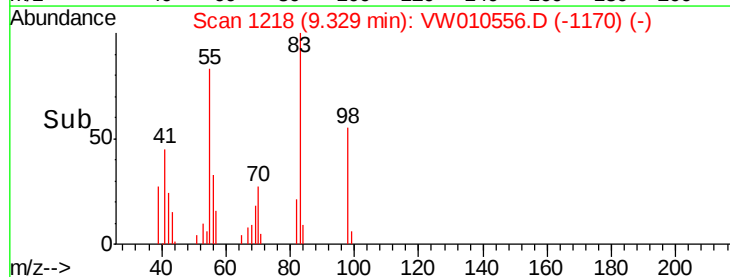
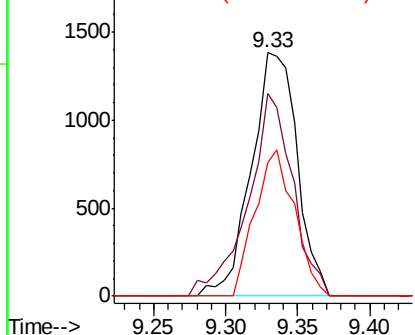


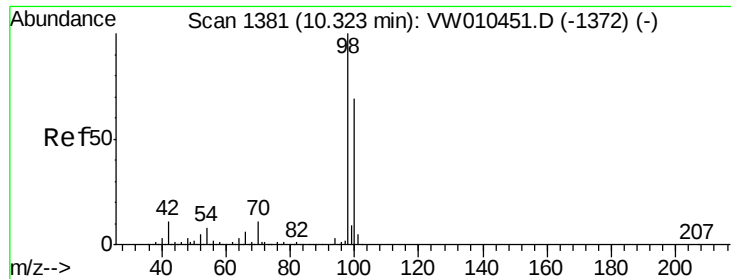
#39
Methylcyclohexane
Concen: 1.139 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW010556.D
Acq: 24 May 2019 17:49

Tgt Ion: 83 Resp: 3055
Ion Ratio Lower Upper
83 100
55 83.5 57.0 85.6
98 54.8 42.0 63.0



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW





#50

Toluene-d8

Concen: 50.503 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010556.D

Acq: 24 May 2019 17:49

Instrument :

MSVOA_W

ClientSampleId :

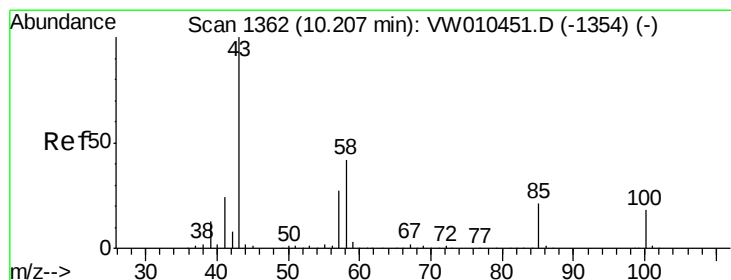
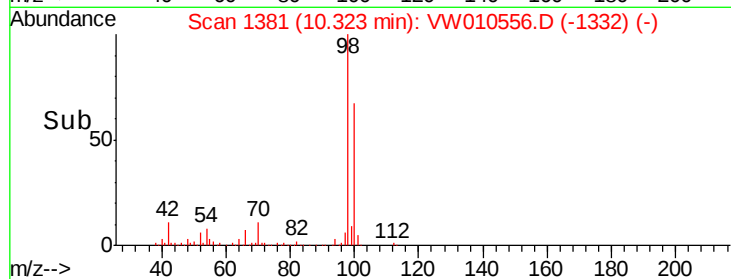
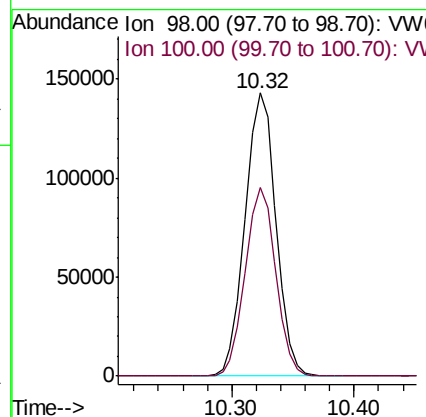
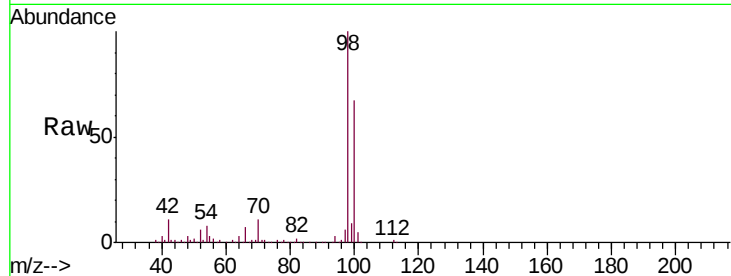
FK-SF-03-007-A

Tgt Ion: 98 Resp: 251527

Ion Ratio Lower Upper

98 100

100 65.9 53.7 80.5



#51

4-Methyl-2-Pentanone

Concen: 3.281 ug/l

RT: 10.10 min Scan# 1344

Delta R.T. -0.11 min

Lab File: VW010556.D

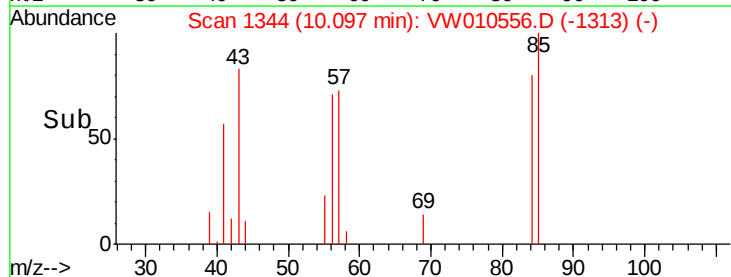
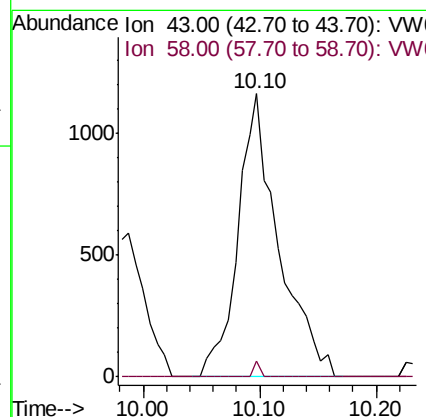
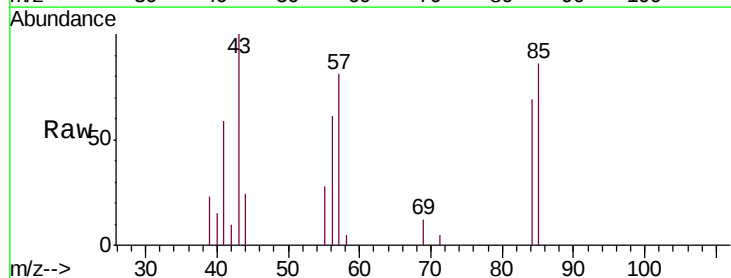
Acq: 24 May 2019 17:49

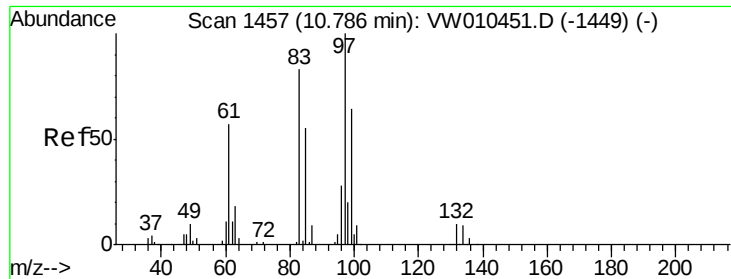
Tgt Ion: 43 Resp: 2827

Ion Ratio Lower Upper

43 100

58 0.0 33.2 49.8#

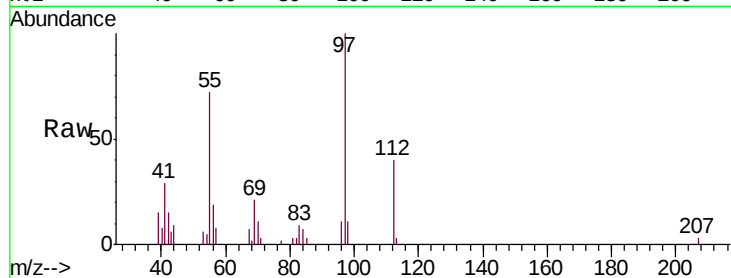




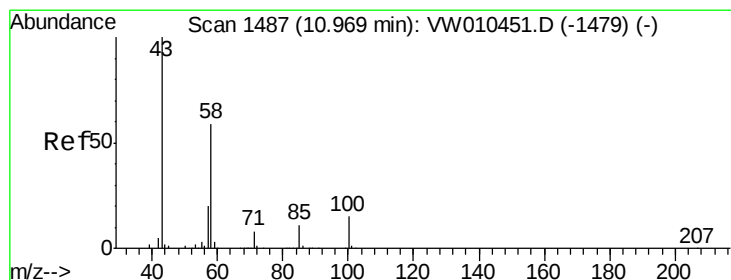
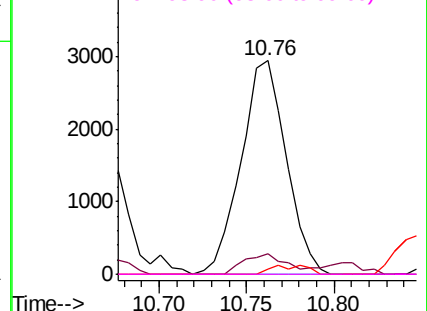
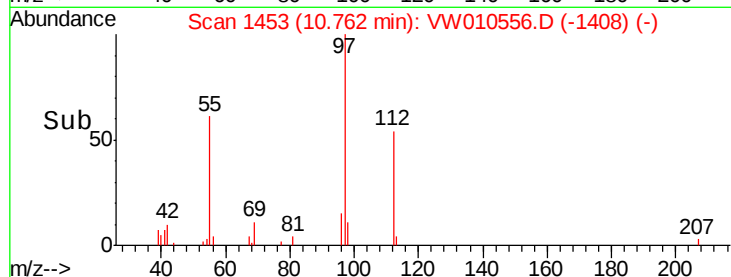
#55
 1,1,2-Trichloroethane
 Concen: 4.738 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW010556.D
 Acq: 24 May 2019 17:49

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

Tgt Ion: 97 Resp: 5265
 Ion Ratio Lower Upper
 97 100
 83 9.3 66.1 99.1#
 85 2.7 44.2 66.4#
 99 0.0 51.1 76.7#

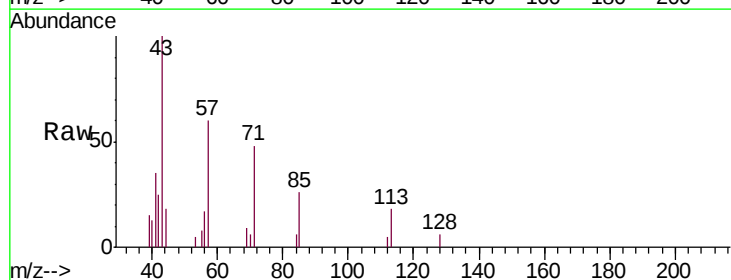


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

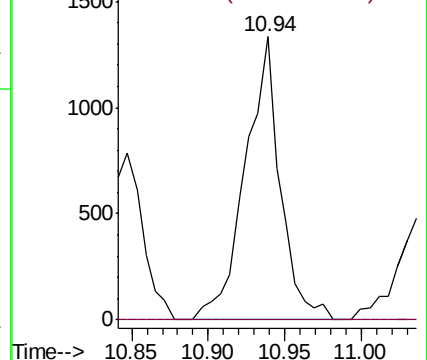
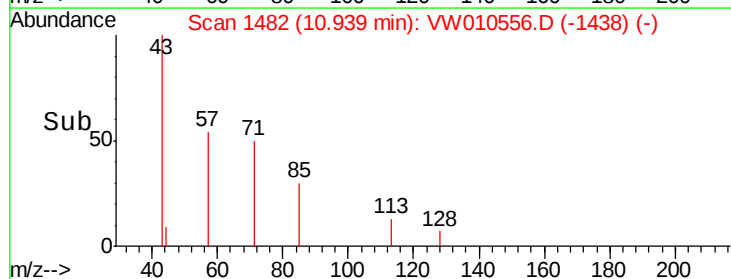


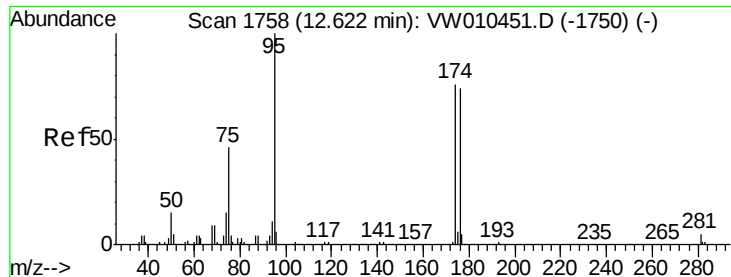
#59
 2-Hexanone
 Concen: 3.452 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.03 min
 Lab File: VW010556.D
 Acq: 24 May 2019 17:49

Tgt Ion: 43 Resp: 2122
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.9 86.8#



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

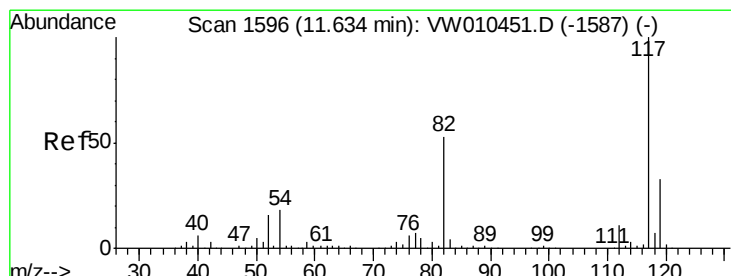
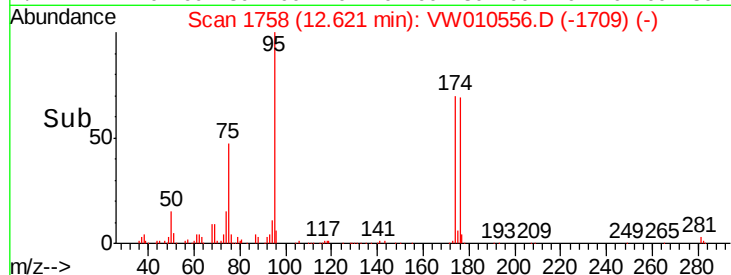
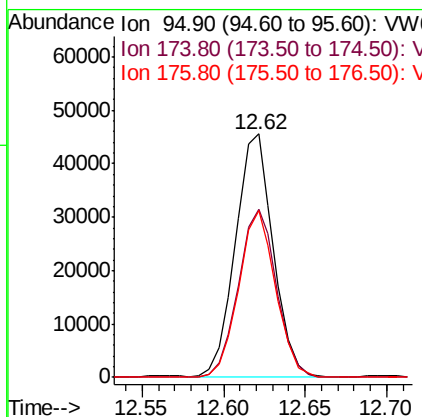
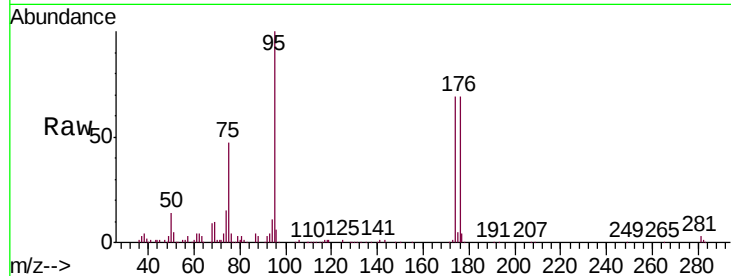




#62
4-Bromofluorobenzene
Concen: 36.732 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010556.D
Acq: 24 May 2019 17:49

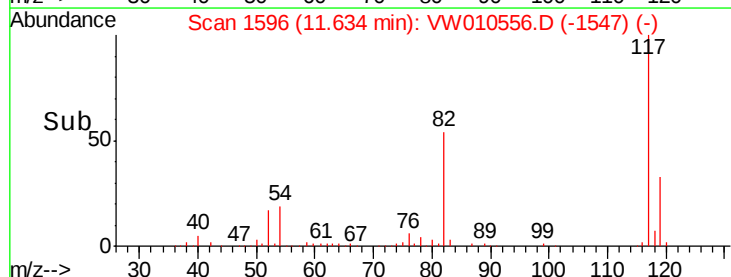
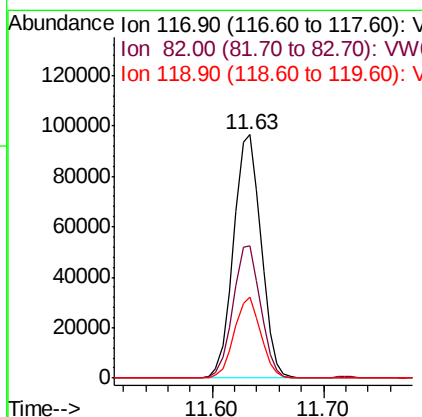
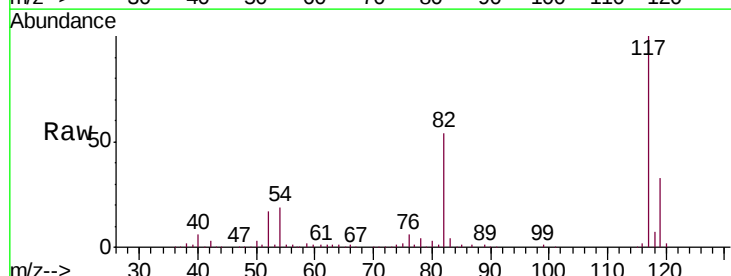
Instrument :
MSVOA_W
ClientSampleId :
FK-SF-03-007-A

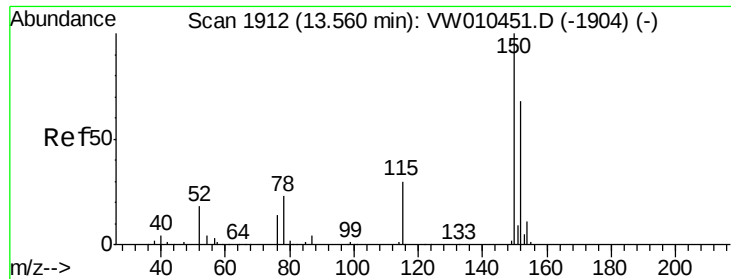
Tgt Ion: 95 Resp: 72868
Ion Ratio Lower Upper
95 100
174 70.2 0.0 148.6
176 67.3 0.0 144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010556.D
Acq: 24 May 2019 17:49

Tgt Ion: 117 Resp: 165158
Ion Ratio Lower Upper
117 100
82 53.9 42.8 64.2
119 33.4 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: VW010556.D

Acq: 24 May 2019 17:49

Instrument :

MSVOA_W

ClientSampleId :

FK-SF-03-007-A

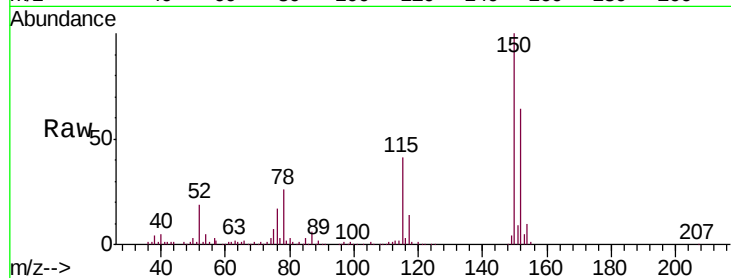
Tgt Ion:152 Resp: 48957

Ion Ratio Lower Upper

152 100

115 66.8 30.3 91.0

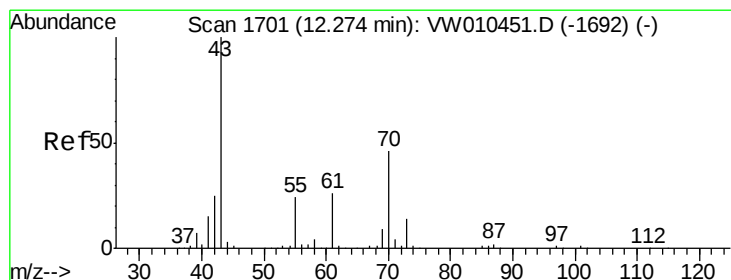
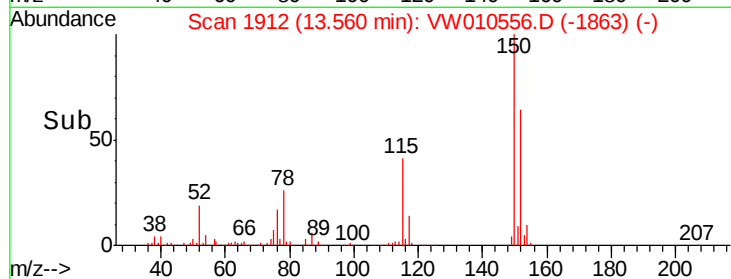
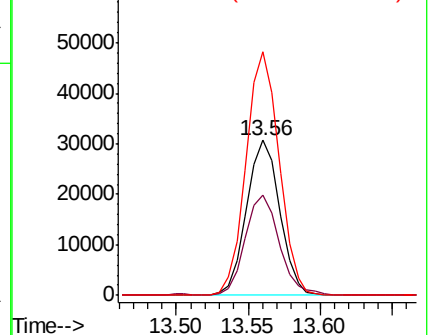
150 156.2 0.0 349.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 1.213 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW010556.D

Acq: 24 May 2019 17:49

Tgt Ion: 43 Resp: 1080

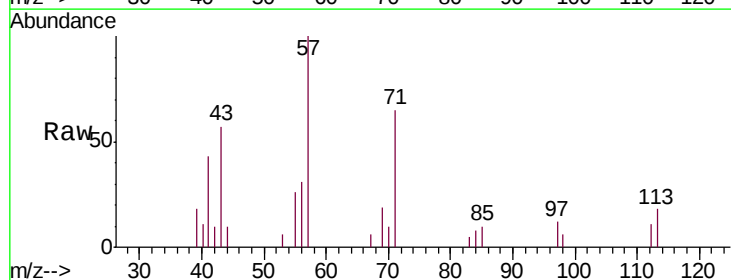
Ion Ratio Lower Upper

43 100

70 24.6 37.1 55.7#

55 0.0 19.6 29.4#

61 0.0 20.7 31.1#

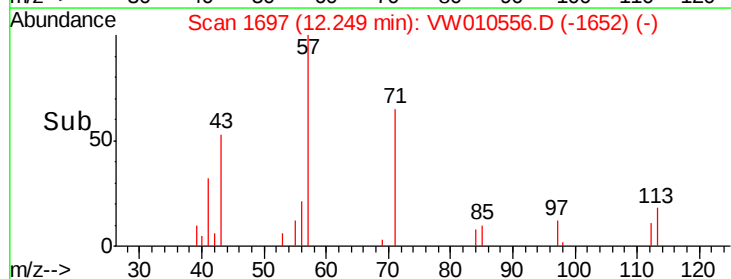
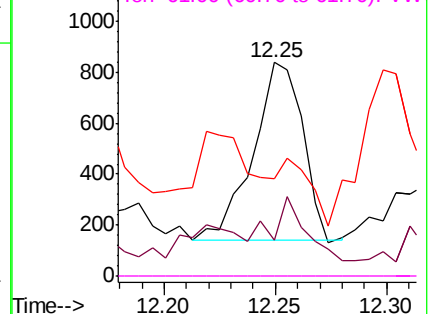


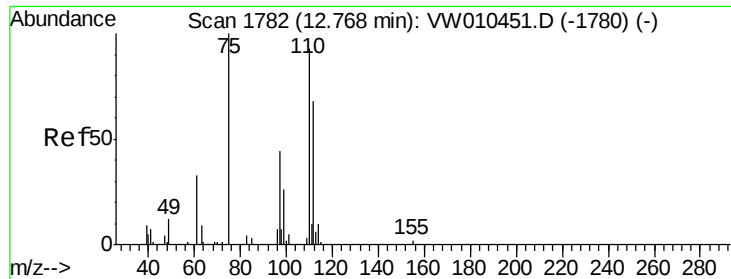
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#76

1,2,3-Trichloropropane

Concen: 70.108 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010556.D

Acq: 24 May 2019 17:49

Instrument :

MSVOA_W

ClientSampleId :

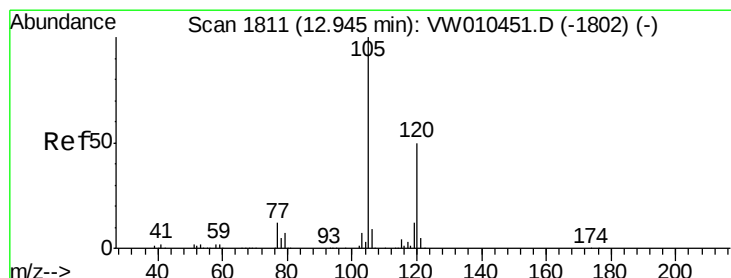
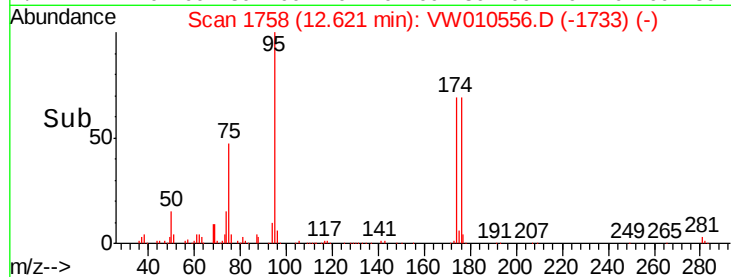
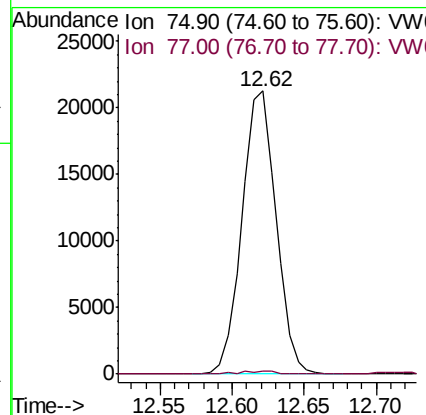
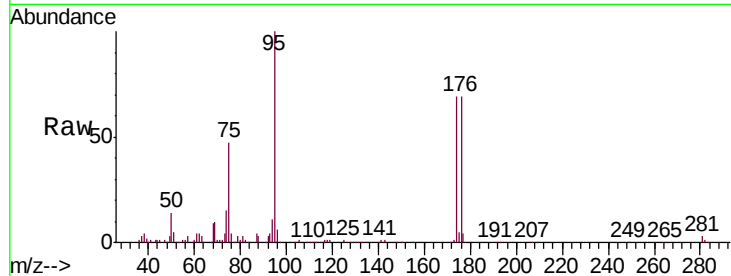
FK-SF-03-007-A

Tgt Ion: 75 Resp: 34840

Ion Ratio Lower Upper

75 100

77 1.3 170.0 510.1#



#80

1,3,5-Trimethylbenzene

Concen: 8.968 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010556.D

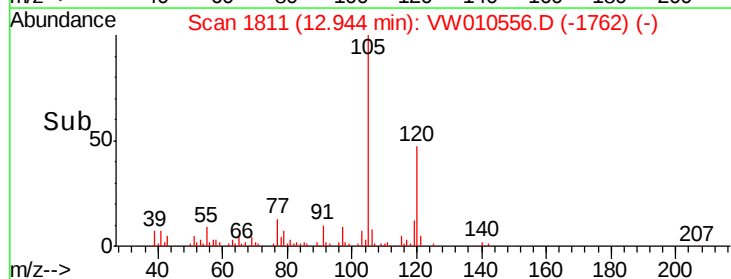
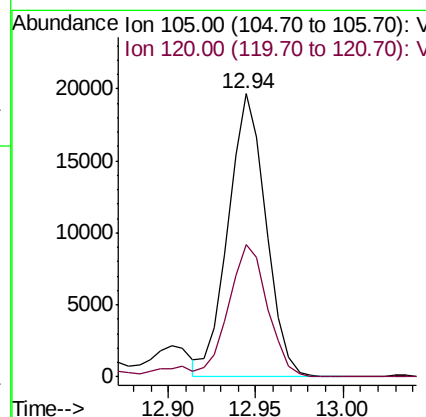
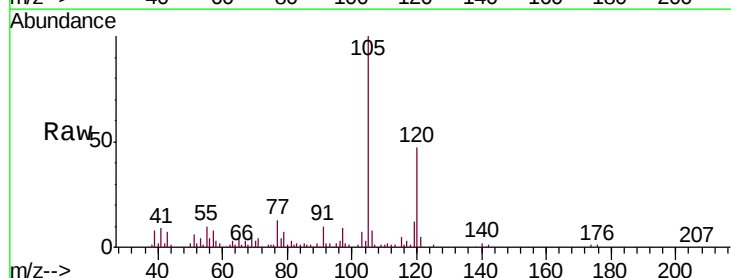
Acq: 24 May 2019 17:49

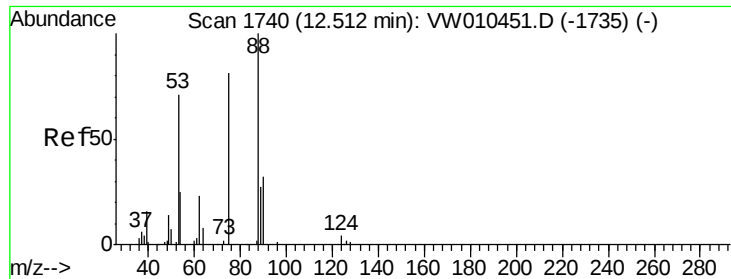
Tgt Ion: 105 Resp: 29508

Ion Ratio Lower Upper

105 100

120 48.0 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 146.318 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010556.D

Acq: 24 May 2019 17:49

Instrument :

MSVOA_W

ClientSampleId :

FK-SF-03-007-A

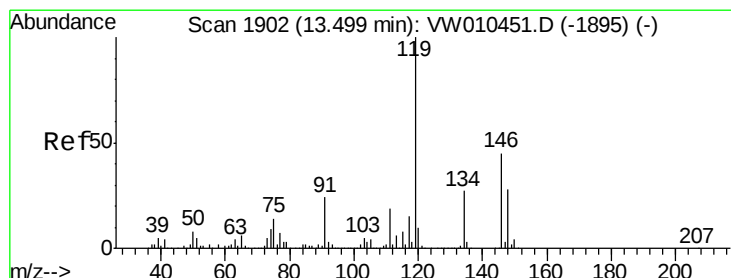
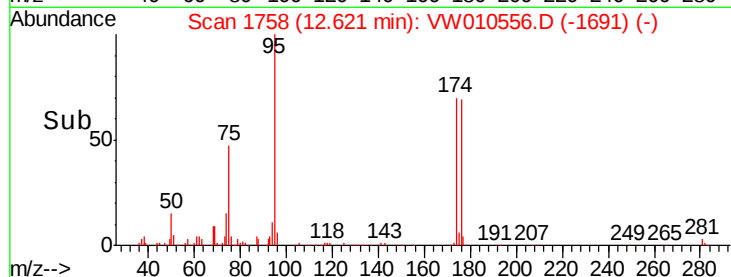
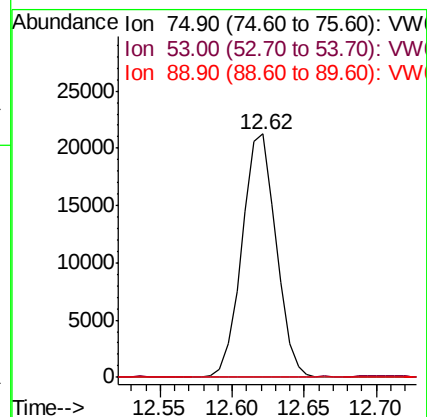
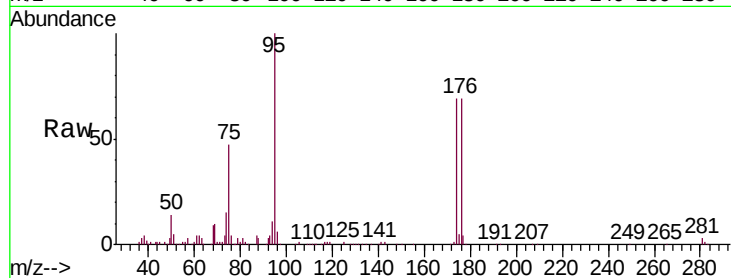
Tgt Ion: 75 Resp: 34840

Ion Ratio Lower Upper

75 100

53 0.3 69.8 104.8#

89 0.0 39.5 59.3#



#86

p-Isopropyltoluene

Concen: 1.163 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010556.D

Acq: 24 May 2019 17:49

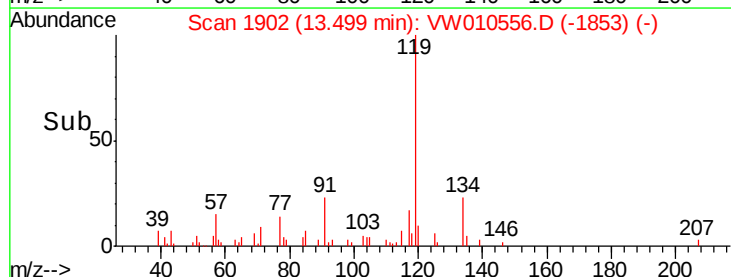
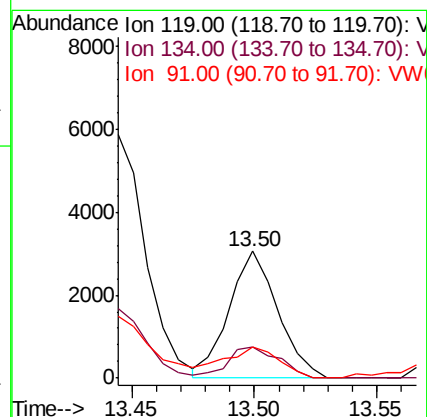
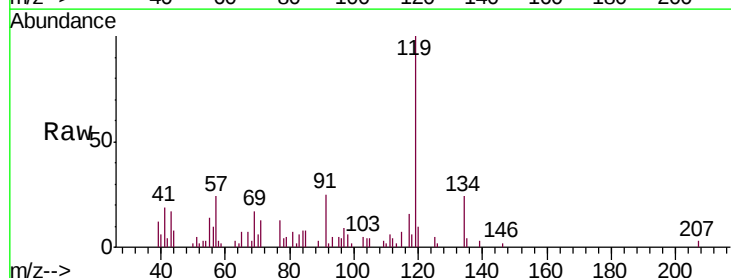
Tgt Ion: 119 Resp: 4233

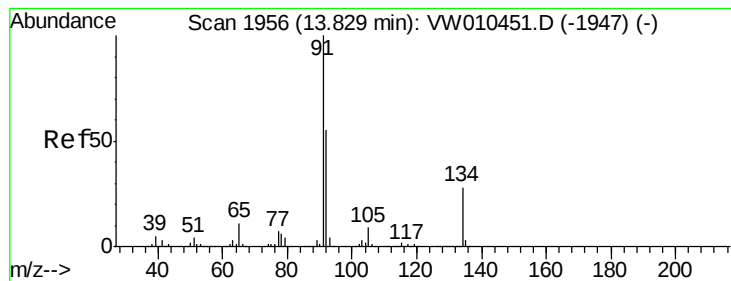
Ion Ratio Lower Upper

119 100

134 25.5 13.6 40.7

91 28.1 11.9 35.7





#89

n-Butylbenzene

Concen: 1.549 ug/l

RT: 13.79 min Scan# 1950

Delta R.T. -0.04 min

Lab File: VW010556.D

Acq: 24 May 2019 17:49

Instrument :

MSVOA_W

ClientSampleId :

FK-SF-03-007-A

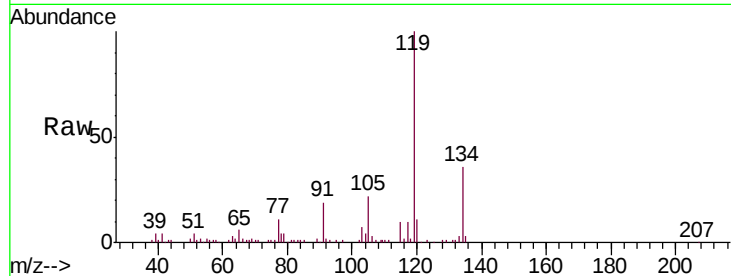
Tgt Ion: 91 Resp: 5364

Ion Ratio Lower Upper

91 100

92 11.6 27.7 83.1#

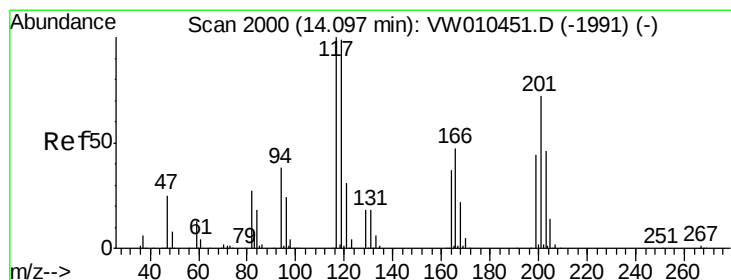
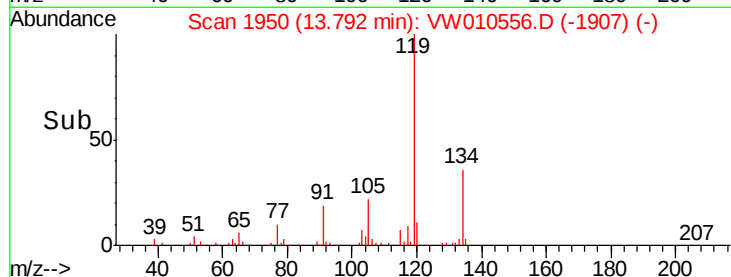
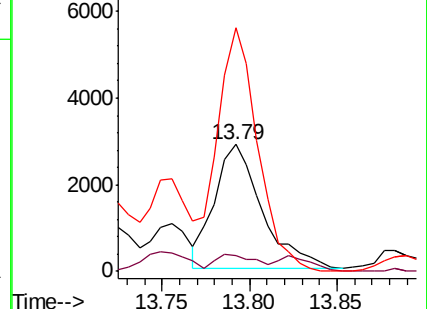
134 169.8 13.9 41.6#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 2.840 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW010556.D

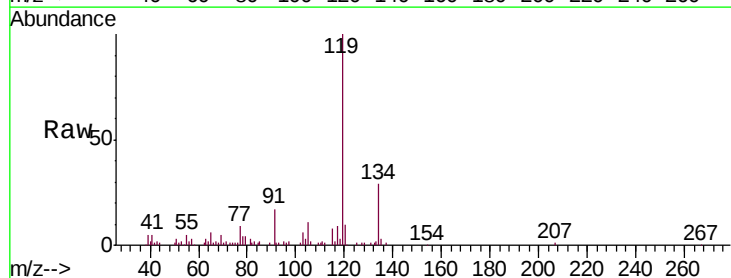
Acq: 24 May 2019 17:49

Tgt Ion: 117 Resp: 2001

Ion Ratio Lower Upper

117 100

201 0.0 34.6 103.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

