

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072419\
 Data File : VW011448.D
 Acq On : 23 Jul 2019 23:07
 Operator : SY/VA
 Sample : K3840-04
 Misc : 4.13G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-SF-02-005-B

Quant Time: Jul 24 06:40:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	233822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	393348	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	302926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	91351	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	157750	53.69	ug/l	0.00
Spiked Amount			Recovery	=	107.38%	
35) Dibromofluoromethane	7.88	113	102003	43.51	ug/l	0.00
Spiked Amount			Recovery	=	87.02%	
50) Toluene-d8	10.32	98	469567	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.62	95	129359	37.24	ug/l	0.00
Spiked Amount			Recovery	=	74.48%	

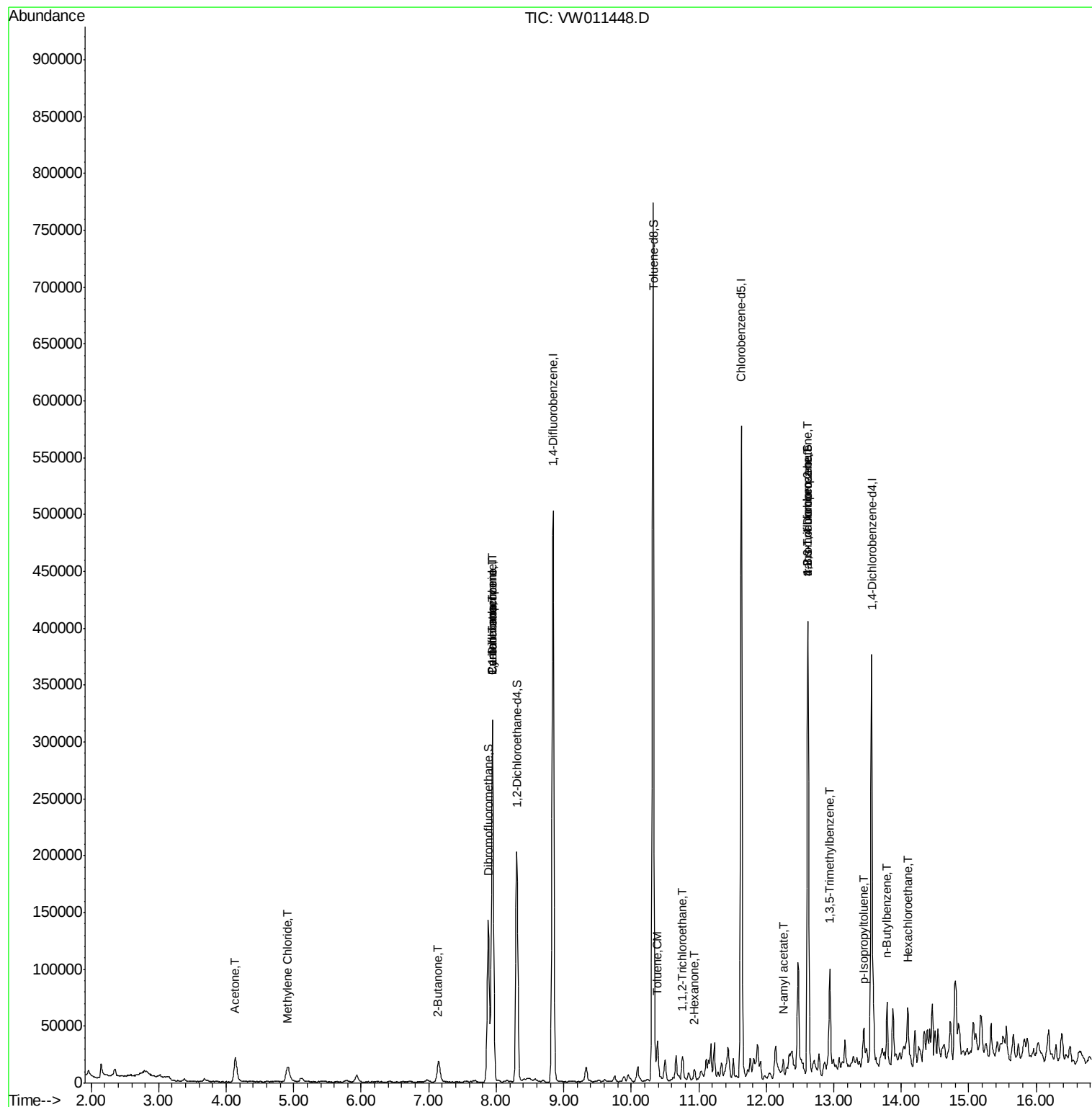
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	43217	61.133	ug/l	98
18) Methyl Acetate	4.65	43	133	Below Cal	#	57
20) Methylene Chloride	4.91	84	10496	3.764	ug/l	95
25) 2-Butanone	7.15	43	1527	1.376	ug/l #	54
31) Cyclohexane	7.94	56	7402	1.301	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20906	4.991	ug/l #	51
38) Carbon Tetrachloride	7.95	117	23507	6.620	ug/l #	15
52) Toluene	10.38	92	11792	1.679	ug/l	99
55) 1,1,2-Trichloroethane	10.76	97	7215	3.454	ug/l #	19
59) 2-Hexanone	10.93	43	4658	2.706	ug/l #	32
74) N-amyl acetate	12.24	43	2785	1.171	ug/l #	35
76) 1,2,3-Trichloropropane	12.62	75	69101	65.457	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.94	105	35705	6.154	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	69101	148.050	ug/l #	6
86) p-Isopropyltoluene	13.44	119	9393	1.500	ug/l	90
89) n-Butylbenzene	13.79	91	6897	1.104	ug/l #	1
90) Hexachloroethane	14.10	117	2157	1.885	ug/l #	11

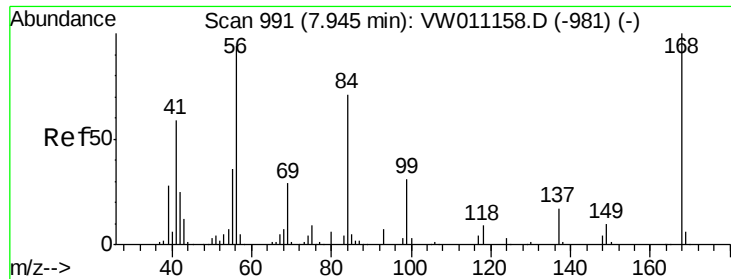
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 11 08:14:17 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011448.D

Acq: 23 Jul 2019 23:07

Instrument :

MSVOA_W

ClientSampleId :

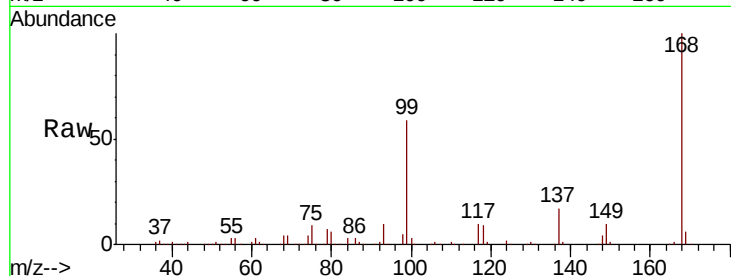
FK-SF-02-005-B

Tot Ion:168 Resp: 233822

Ion Ratio Lower Upper

168 100

99 58.6 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

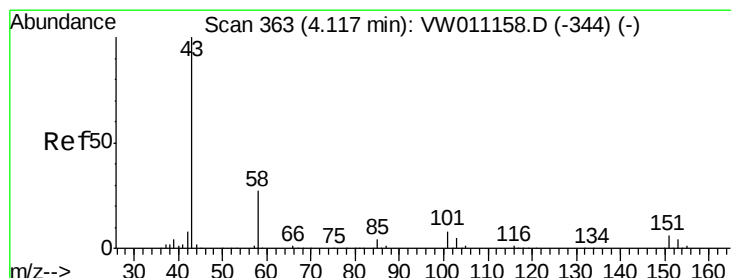
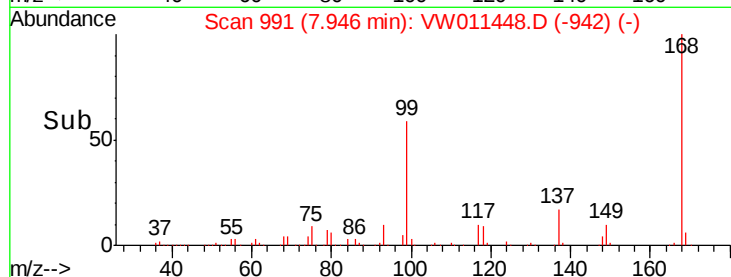
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 61.133 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011448.D

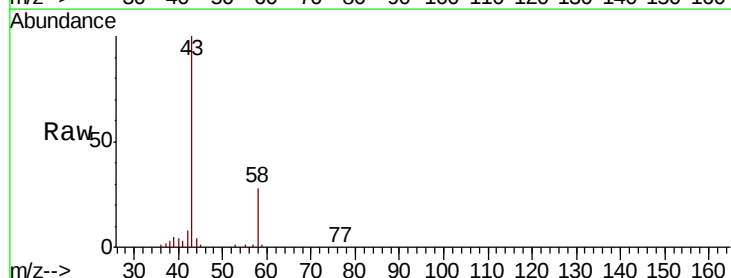
Acq: 23 Jul 2019 23:07

Tgt Ion: 43 Resp: 43217

Ion Ratio Lower Upper

43 100

58 28.4 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

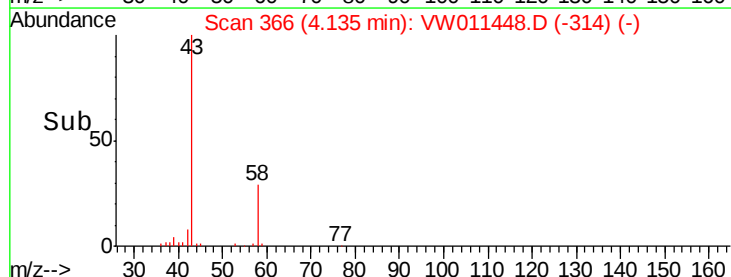
15000

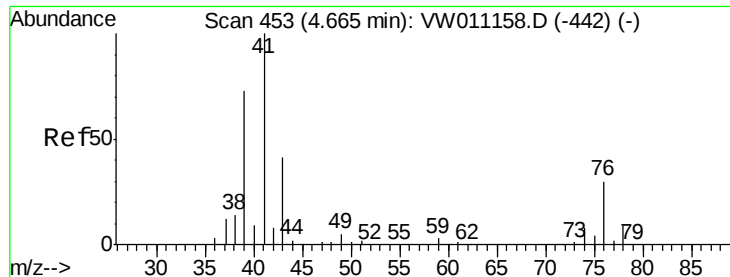
10000

5000

0

Time--> 4.00 4.10 4.20 4.30

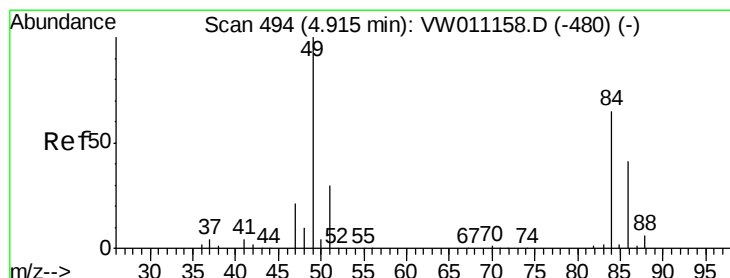
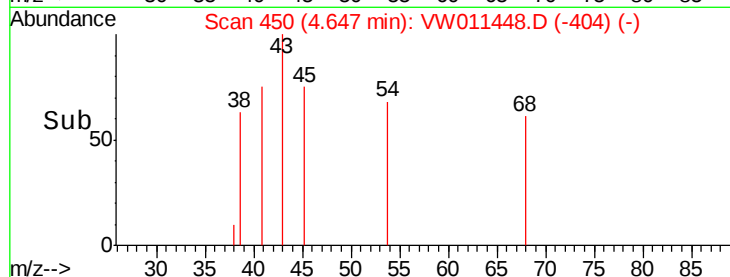
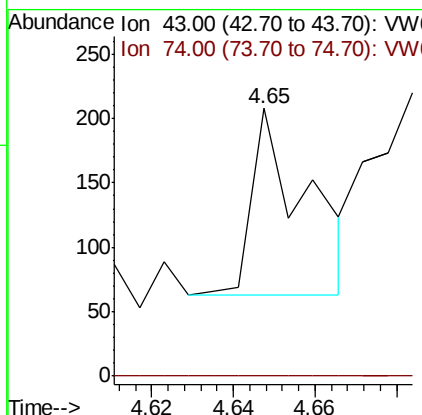
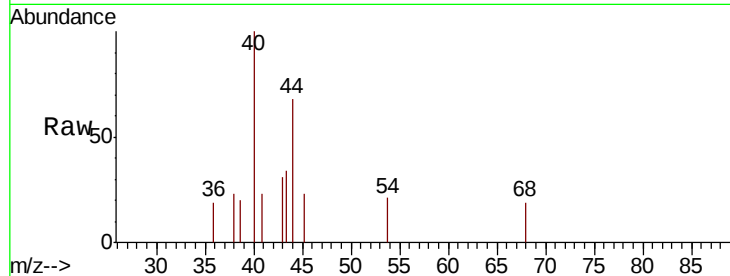




#18
Methyl Acetate
Concen: Below Cal
RT: 4.65 min Scan# 450
Delta R.T. -0.02 min
Lab File: VW011448.D
Acq: 23 Jul 2019 23:07

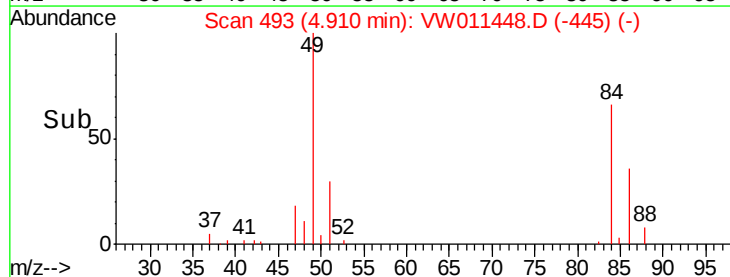
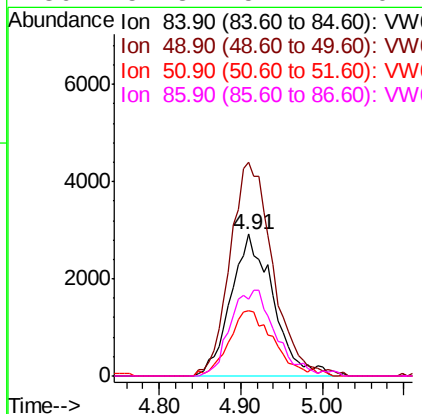
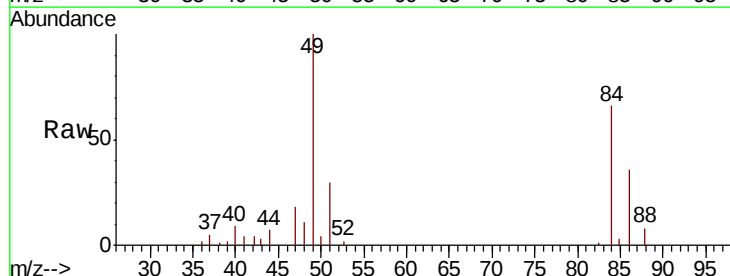
Instrument :
MSVOA_W
ClientSampleId :
FK-SF-02-005-B

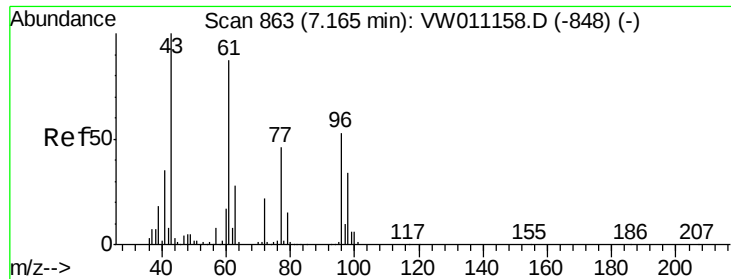
Tot Ion: 43 Resp: 133
Ion Ratio Lower Upper
43 100
74 0.0 15.7 23.5#



#20
Methylene Chloride
Concen: 3.764 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011448.D
Acq: 23 Jul 2019 23:07

Tgt Ion: 84 Resp: 10496
Ion Ratio Lower Upper
84 100
49 150.7 123.8 185.6
51 45.9 37.4 56.2
86 54.3 51.1 76.7

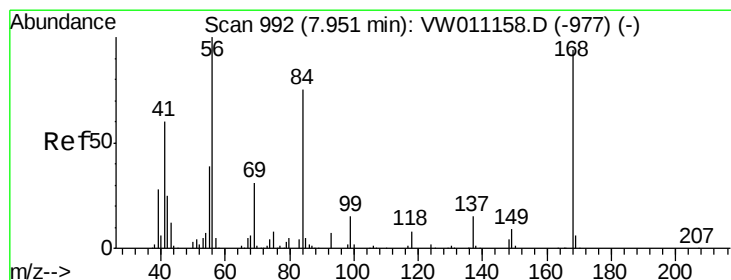
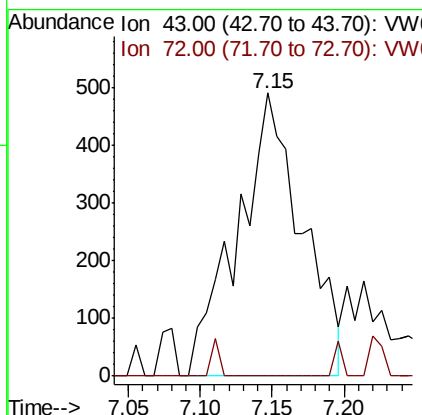
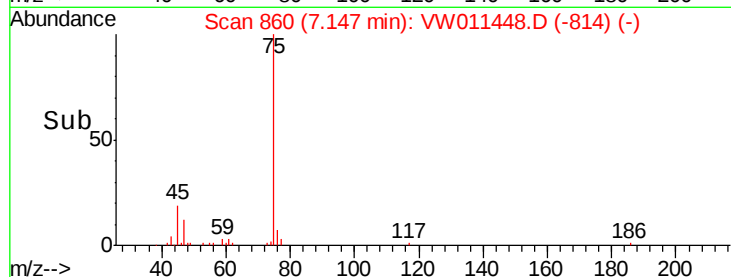
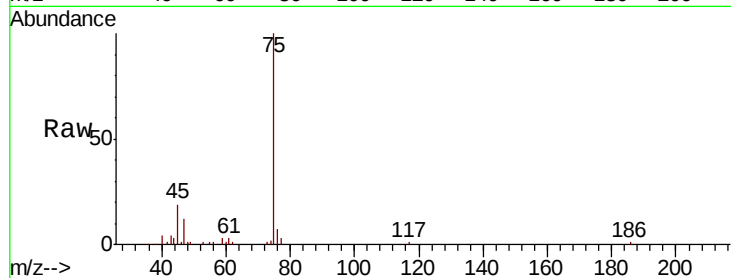




#25
2-Butanone
Concen: 1.376 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW011448.D
Acq: 23 Jul 2019 23:07

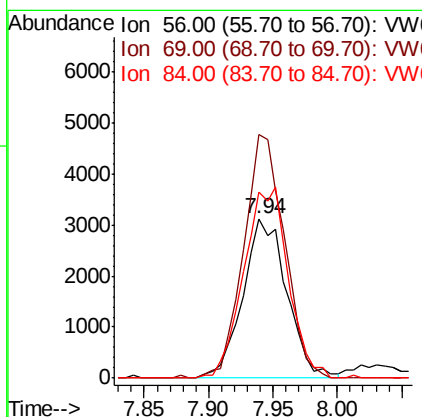
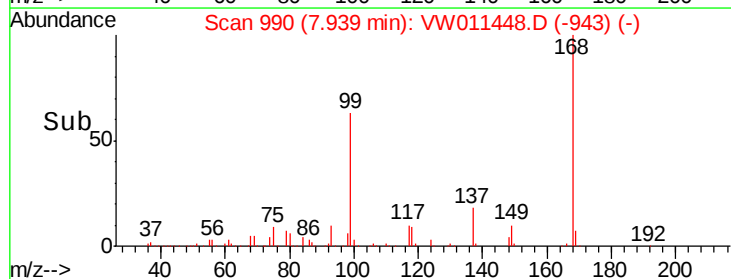
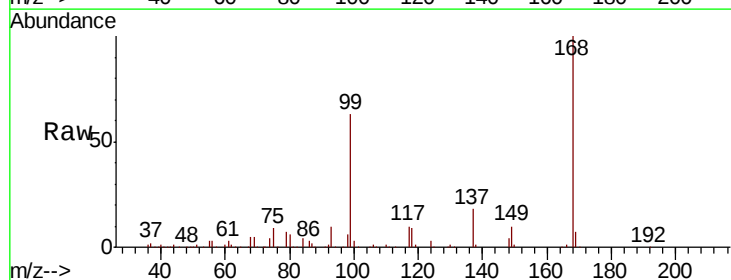
Instrument :
MSVOA_W
ClientSampleId :
FK-SF-02-005-B

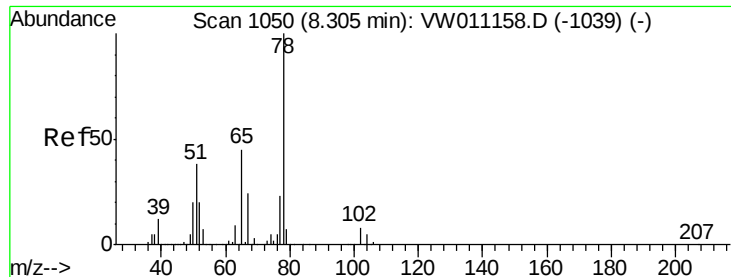
Tot Ion: 43 Resp: 1527
Ion Ratio Lower Upper
43 100
72 0.0 17.6 26.4#



#31
Cyclohexane
Concen: 1.301 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011448.D
Acq: 23 Jul 2019 23:07

Tgt Ion: 56 Resp: 7402
Ion Ratio Lower Upper
56 100
69 152.8 24.6 36.8#
84 116.6 60.1 90.1#

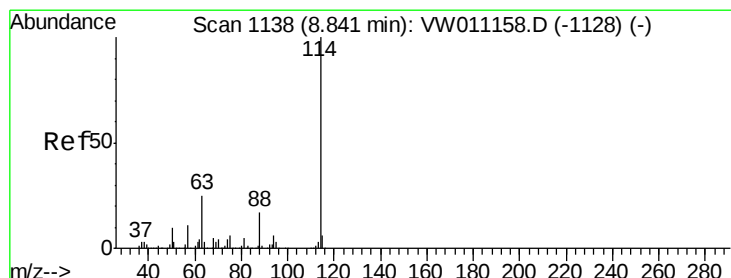
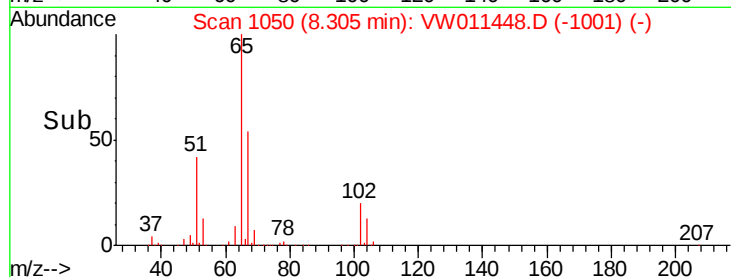
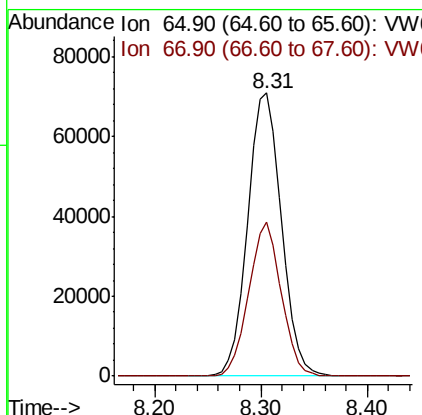
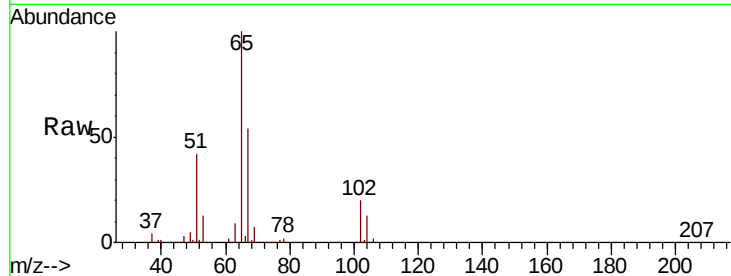




#33
 1,2-Dichloroethane-d4
 Concen: 53.692 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011448.D
 Acq: 23 Jul 2019 23:07

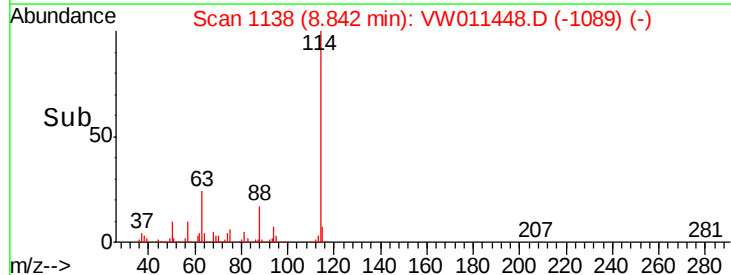
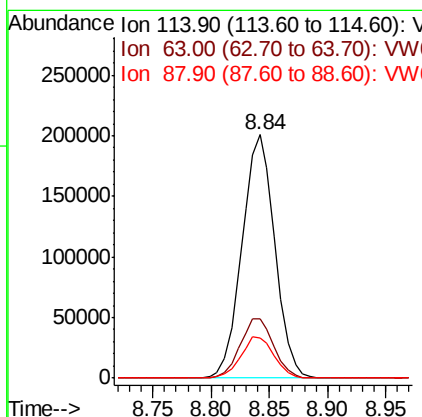
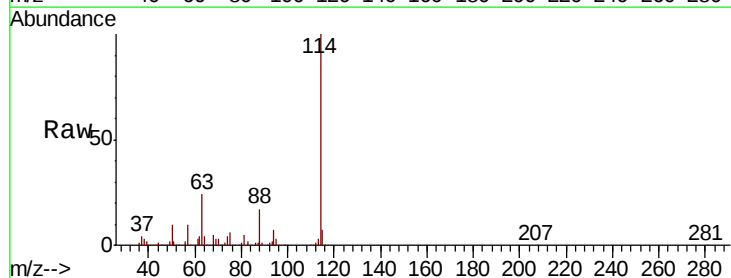
Instrument :
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 FK-SF-02-005-B

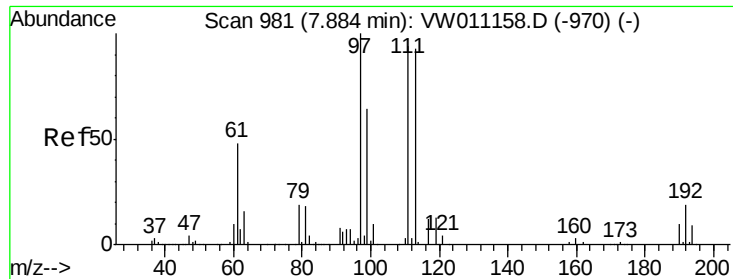
Tot Ion: 65 Resp: 157750
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011448.D
 Acq: 23 Jul 2019 23:07

Tgt Ion: 114 Resp: 393348
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 50.8
 88 16.6 0.0 34.2

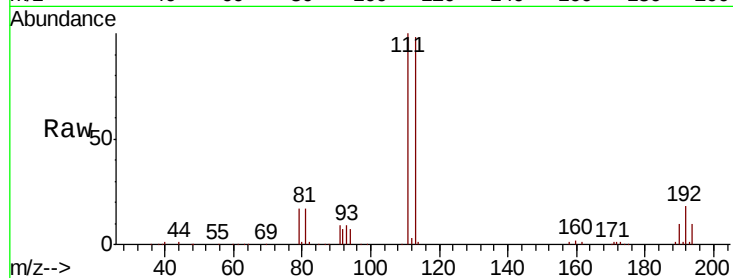




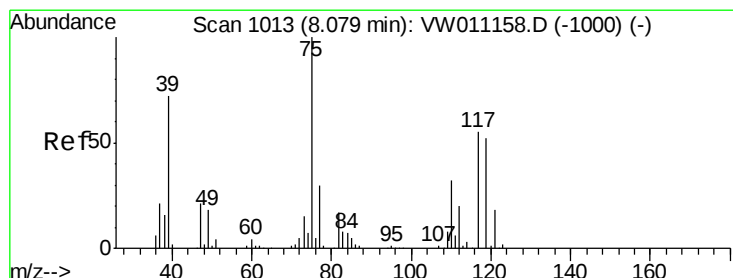
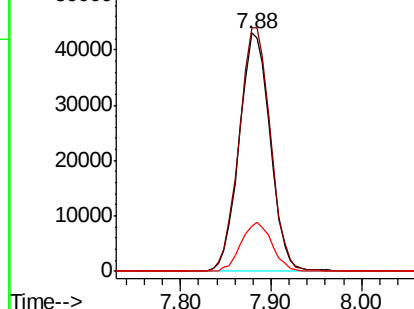
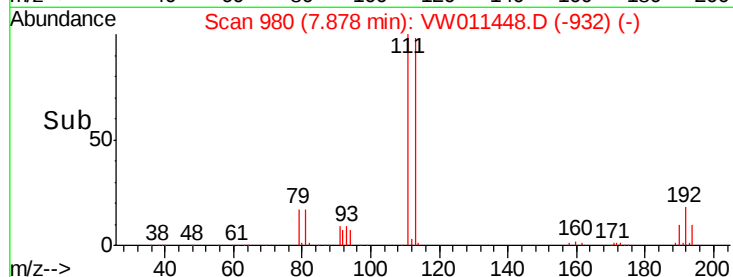
#35
 Dibromofluoromethane
 Concen: 43.507 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011448.D
 Acq: 23 Jul 2019 23:07

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-SF-02-005-B

Tot Ion:113 Resp: 102003
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.4 123.6
 192 20.6 15.8 23.8

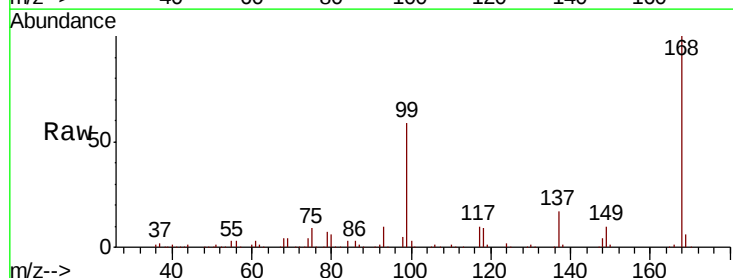


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

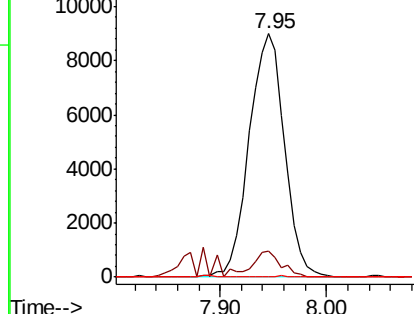
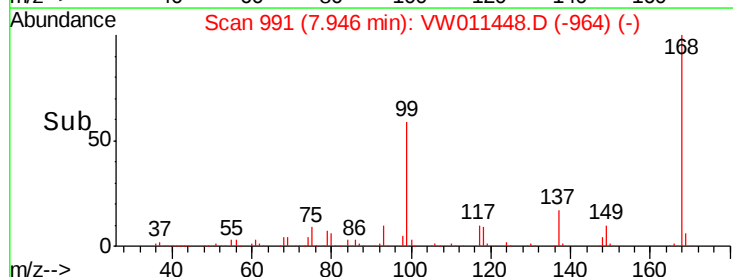


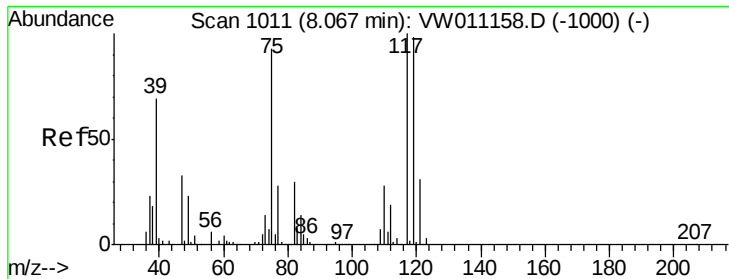
#36
 1,1-Dichloropropene
 Concen: 4.991 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011448.D
 Acq: 23 Jul 2019 23:07

Tgt Ion: 75 Resp: 20906
 Ion Ratio Lower Upper
 75 100
 110 8.3 15.9 47.6#
 77 0.0 24.6 36.8#



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: 6.620 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011448.D

Acq: 23 Jul 2019 23:07

Instrument :

MSVOA_W

ClientSampleId :

FK-SF-02-005-B

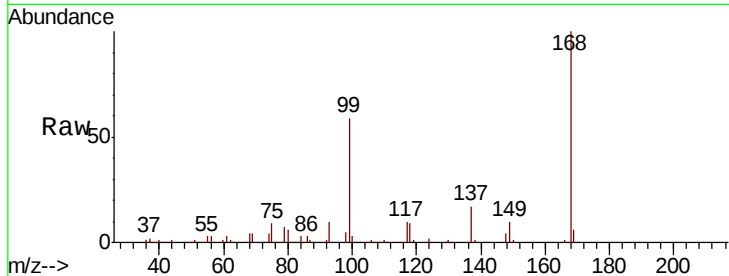
Tot Ion:117 Resp: 23507

Ion Ratio Lower Upper

117 100

119 5.2 78.1 117.1#

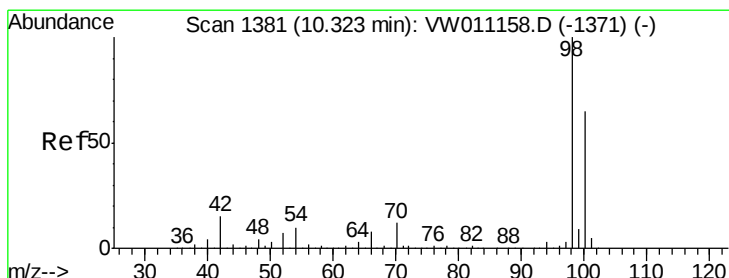
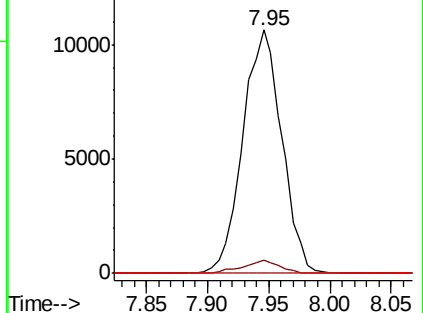
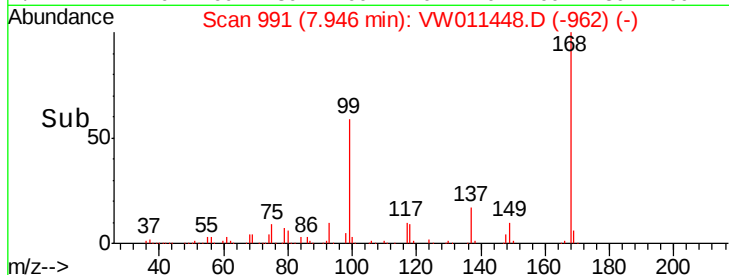
121 0.0 25.1 37.7#



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



#50

Toluene-d8

Concen: 49.548 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011448.D

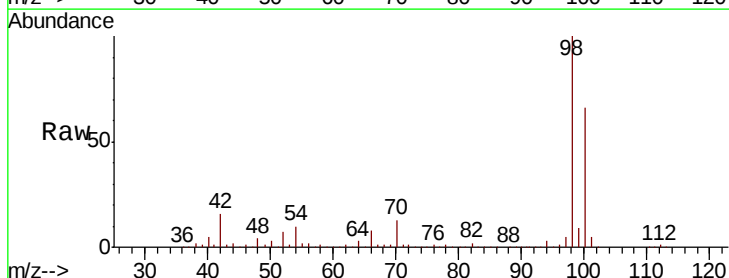
Acq: 23 Jul 2019 23:07

Tgt Ion: 98 Resp: 469567

Ion Ratio Lower Upper

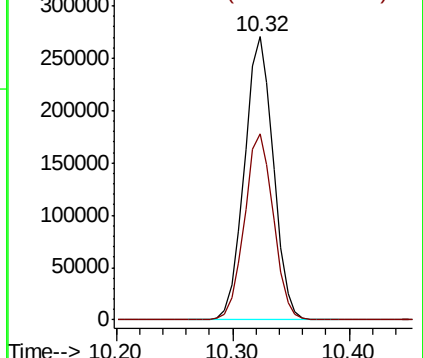
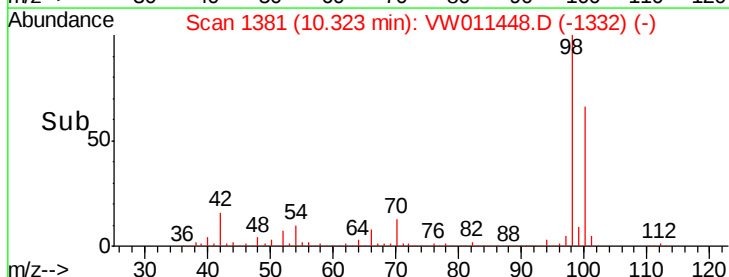
98 100

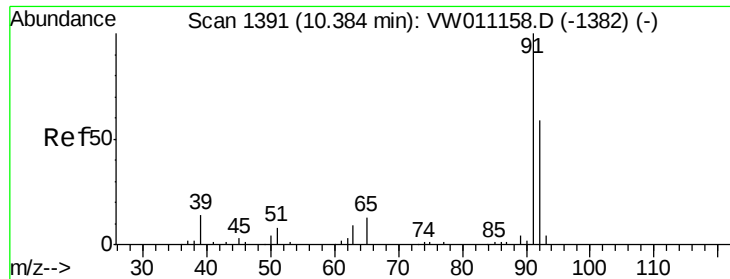
100 65.5 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.679 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011448.D

Acq: 23 Jul 2019 23:07

Instrument :

MSVOA_W

ClientSampleId :

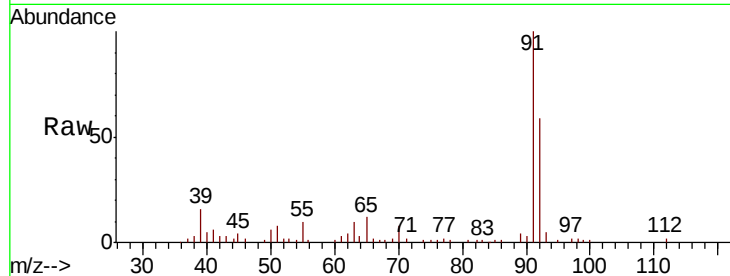
FK-SF-02-005-B

Tot Ion: 92 Resp: 11792

Ion Ratio Lower Upper

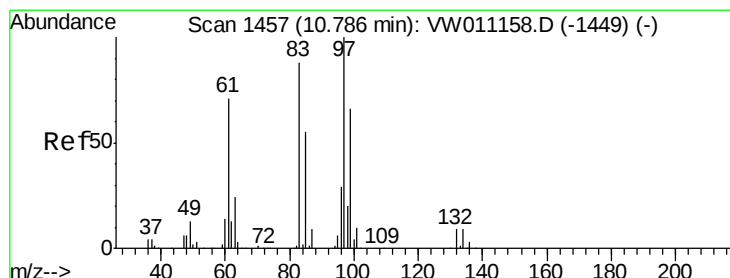
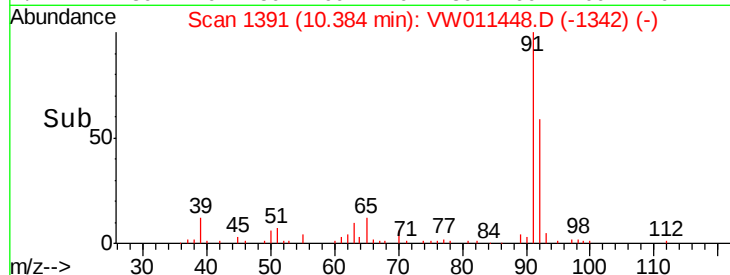
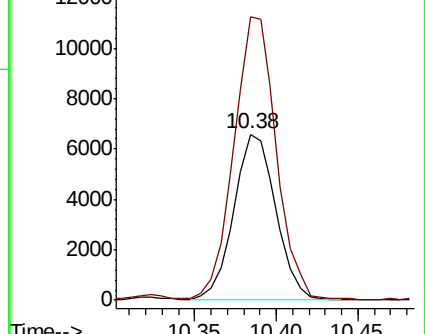
92 100

91 172.8 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#55

1,1,2-Trichloroethane

Concen: 3.454 ug/l

RT: 10.76 min Scan# 1452

Delta R.T. -0.03 min

Lab File: VW011448.D

Acq: 23 Jul 2019 23:07

Tgt Ion: 97 Resp: 7215

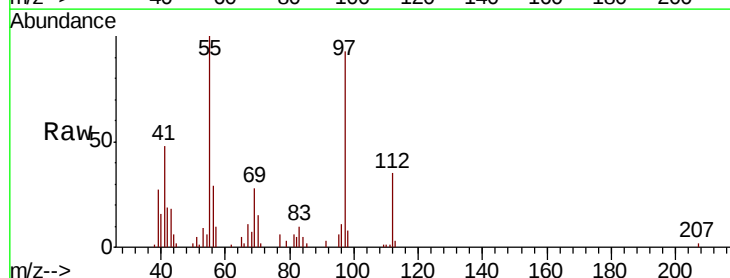
Ion Ratio Lower Upper

97 100

83 10.3 70.2 105.4#

85 2.2 44.2 66.2#

99 0.0 52.6 79.0#

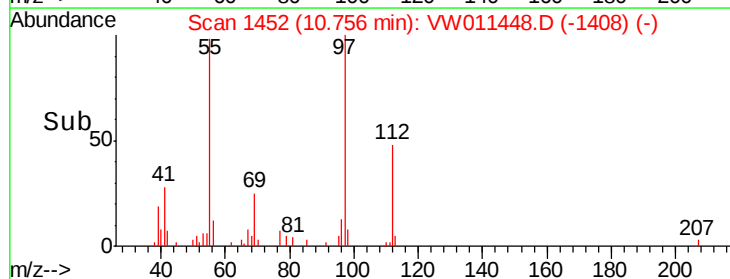
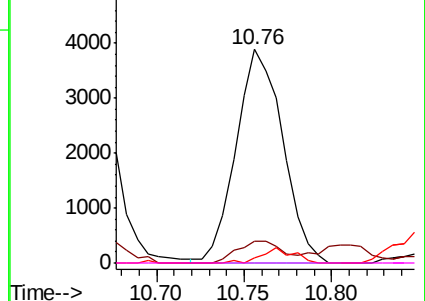


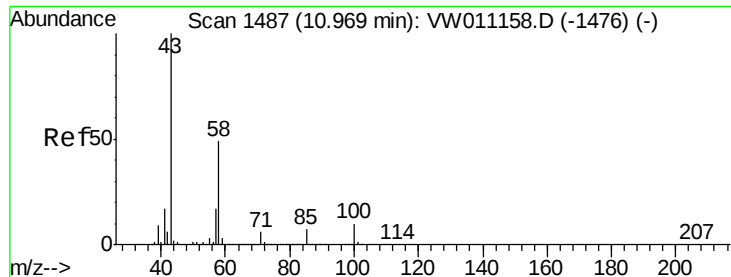
Abundance Ion 96.90 (96.60 to 97.60): VW

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

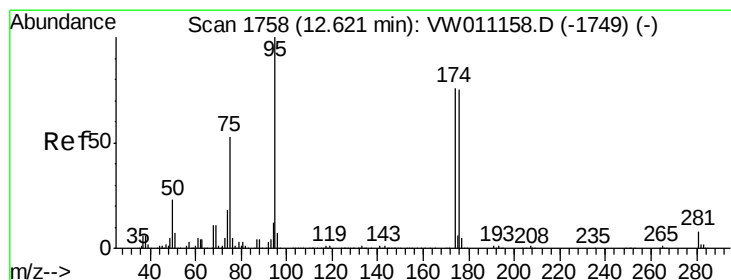
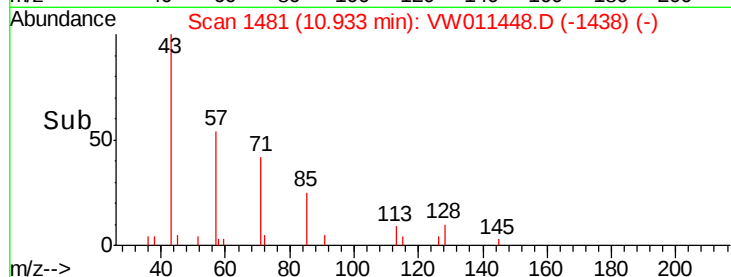
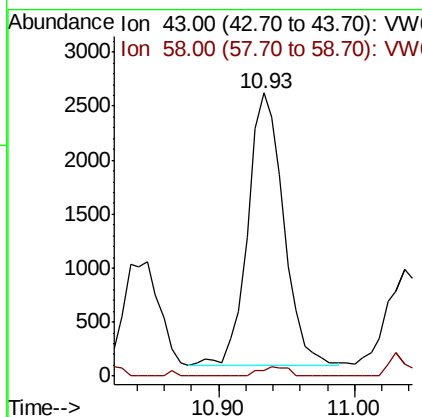
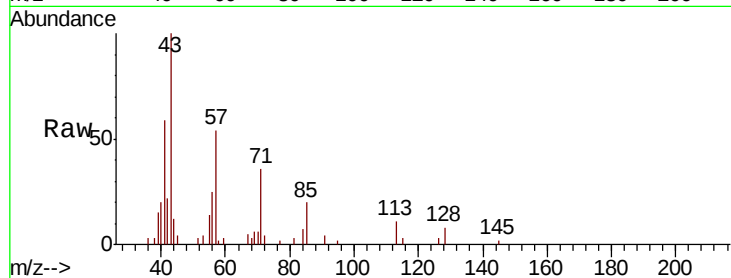




#59
2-Hexanone
Concen: 2.706 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.04 min
Lab File: VW011448.D
Acq: 23 Jul 2019 23:07

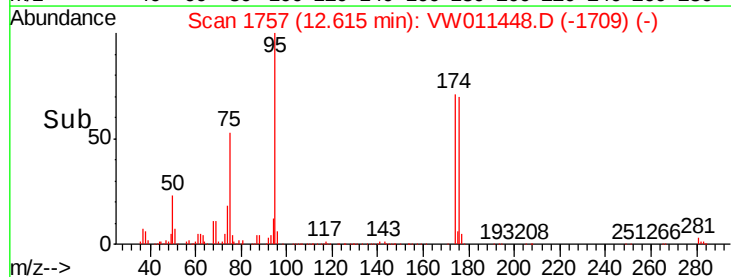
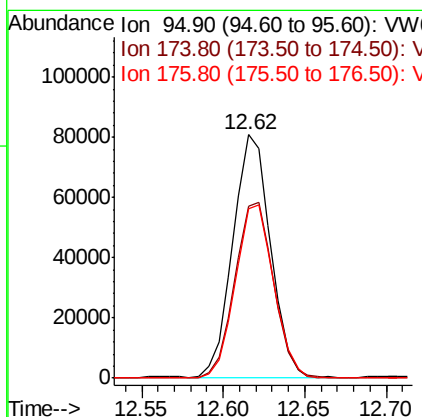
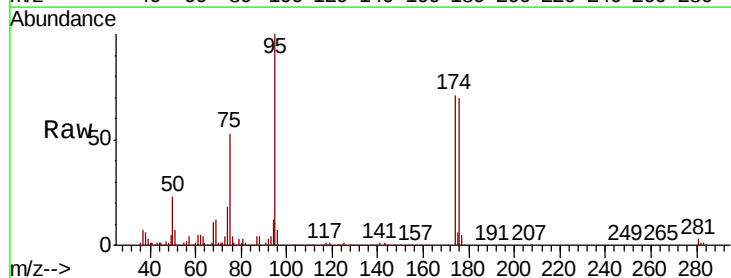
Instrument :
MSVOA_W
ClientSampleId :
FK-SF-02-005-B

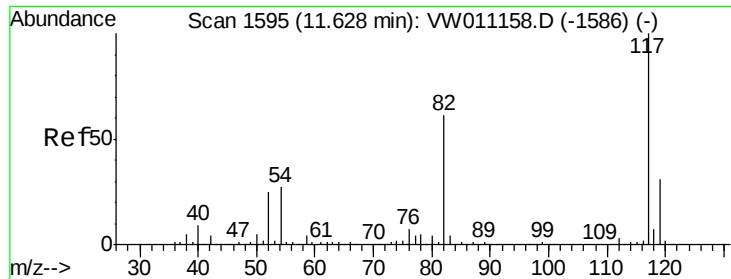
Tot Ion: 43 Resp: 4658
Ion Ratio Lower Upper
43 100
58 2.7 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 37.240 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW011448.D
Acq: 23 Jul 2019 23:07

Tgt Ion: 95 Resp: 129359
Ion Ratio Lower Upper
95 100
174 74.8 0.0 147.6
176 72.9 0.0 144.6

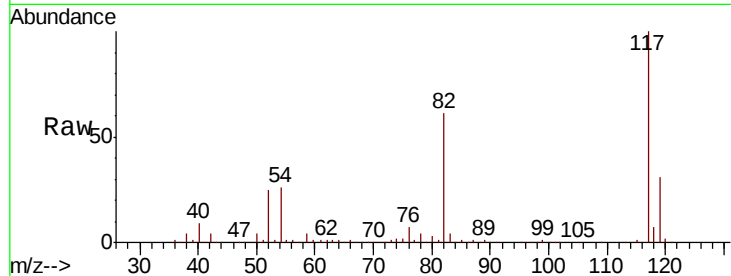




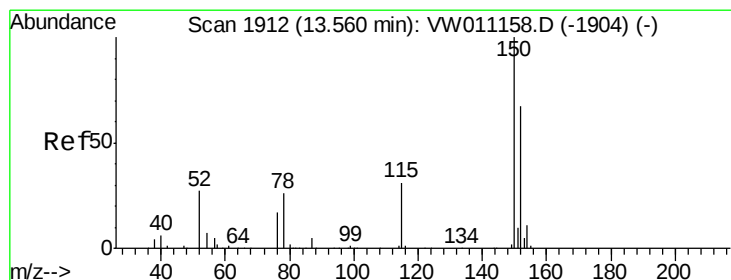
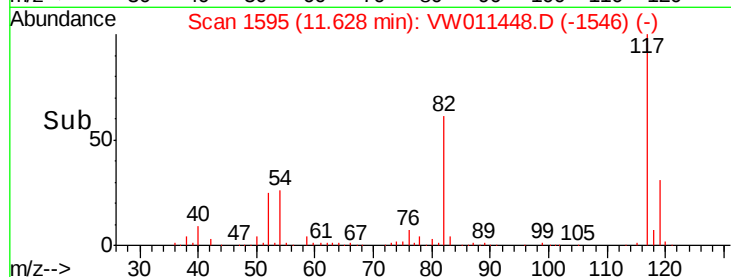
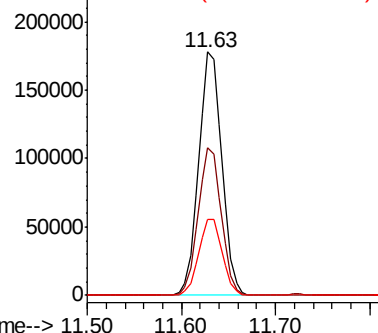
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011448.D
Acq: 23 Jul 2019 23:07

Instrument :
MSVOA_W
ClientSampleId :
FK-SF-02-005-B

Tot Ion:117 Resp: 302926
Ion Ratio Lower Upper
117 100
82 60.5 48.9 73.3
119 31.4 25.0 37.6

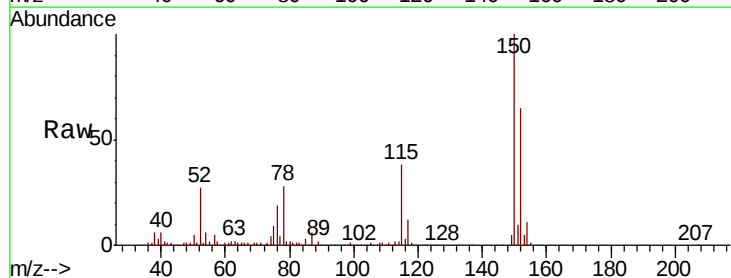


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

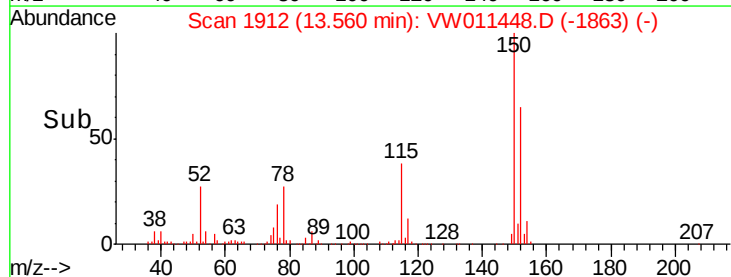
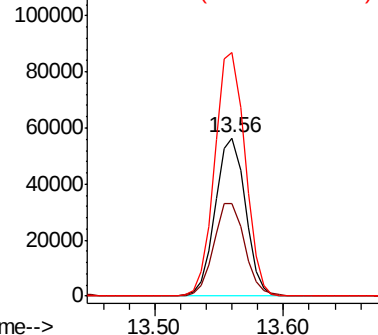


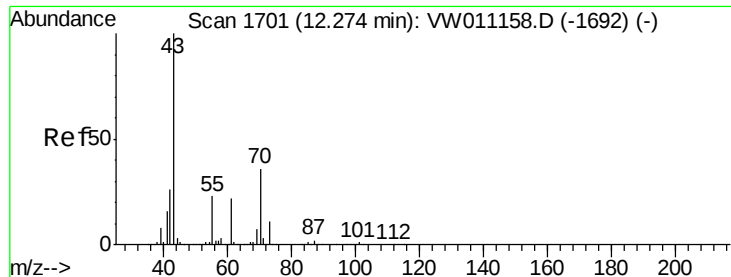
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011448.D
Acq: 23 Jul 2019 23:07

Tgt Ion:152 Resp: 91351
Ion Ratio Lower Upper
152 100
115 60.3 30.1 90.3
150 155.2 0.0 346.0



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

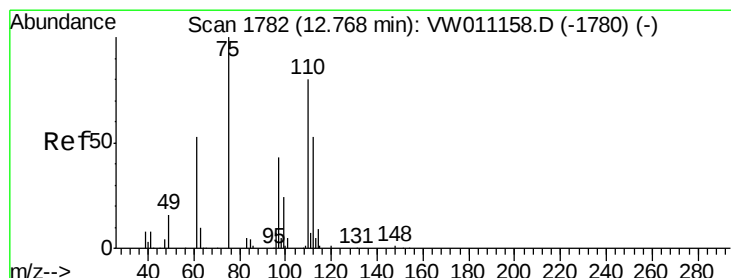
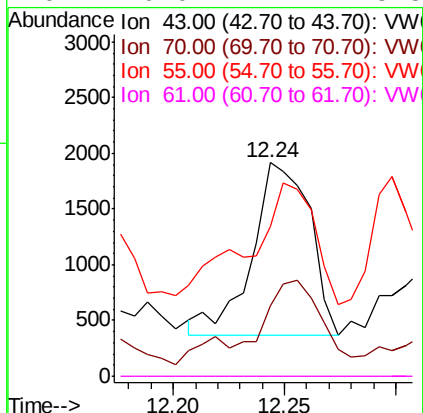
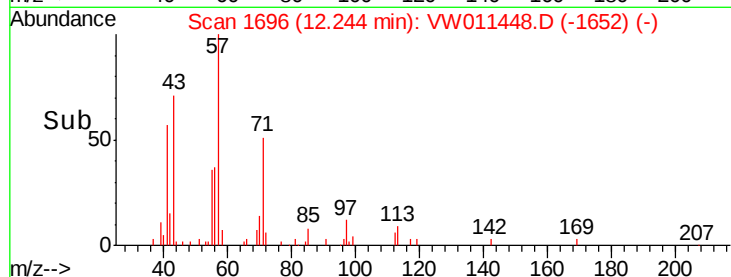
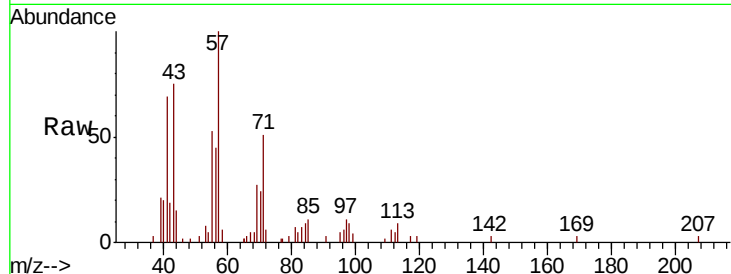




#74
N-amvl acetate
Concen: 1.171 ug/l
RT: 12.24 min Scan# 1696
Delta R.T. -0.03 min
Lab File: VW011448.D
Acq: 23 Jul 2019 23:07

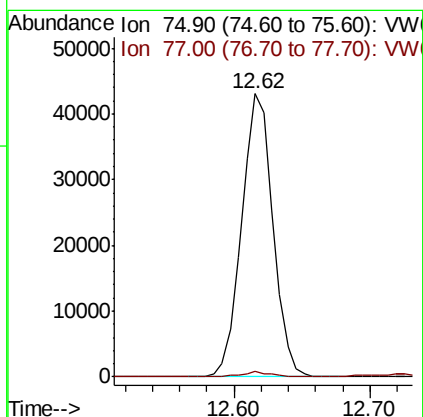
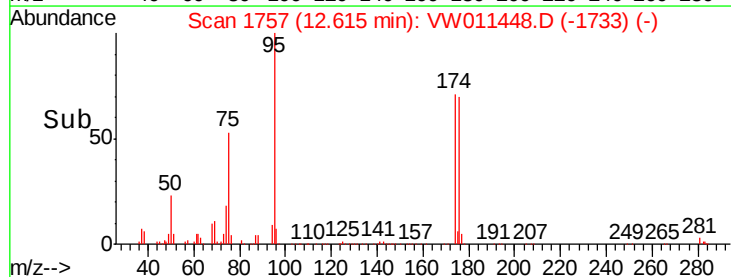
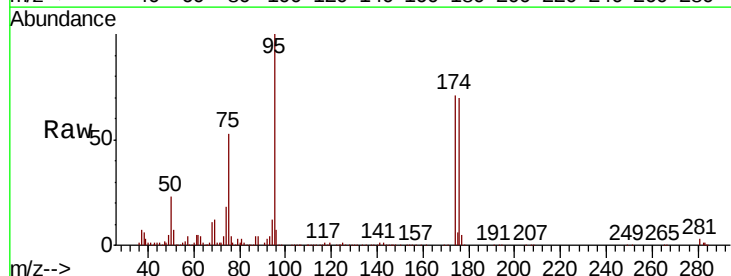
Instrument :
MSVOA_W
ClientSampleId :
FK-SF-02-005-B

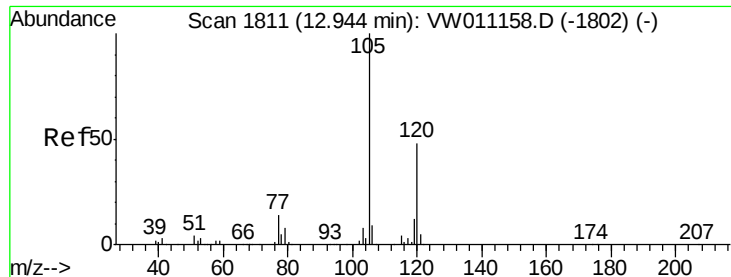
Tot Ion: 43 Resp: 2785
Ion Ratio Lower Upper
43 100
70 38.7 28.5 42.7
55 107.4 18.1 27.1#
61 0.0 17.2 25.8#



#76
1,2,3-Trichloropropane
Concen: 65.457 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW011448.D
Acq: 23 Jul 2019 23:07

Tgt Ion: 75 Resp: 69101
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#

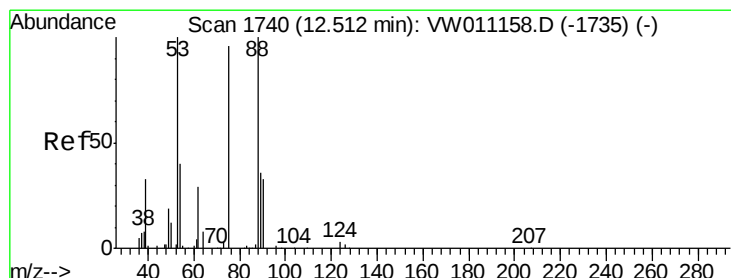
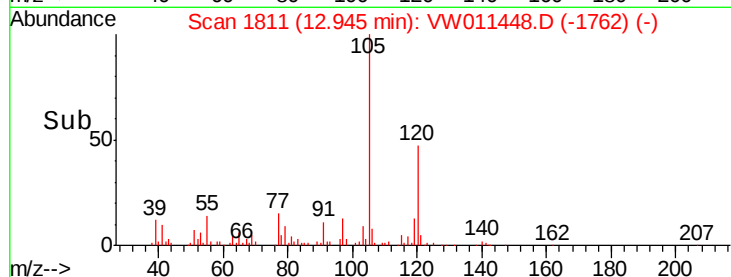
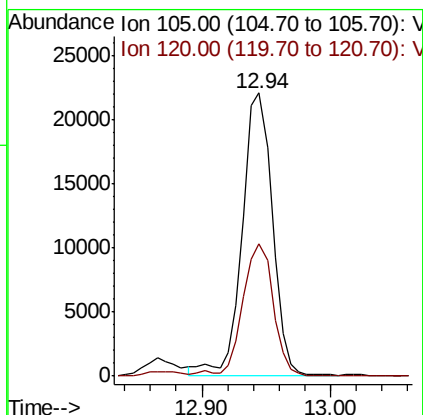
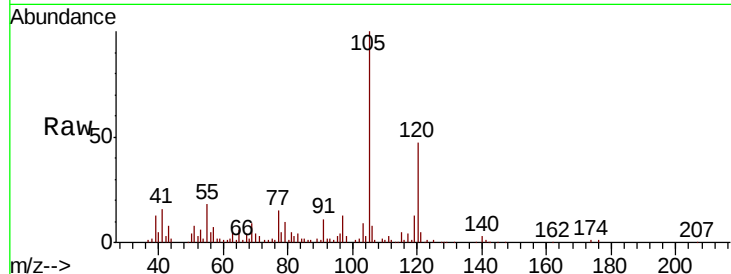




#80
 1,3,5-Trimethylbenzene
 Concen: 6.154 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW011448.D
 Acq: 23 Jul 2019 23:07

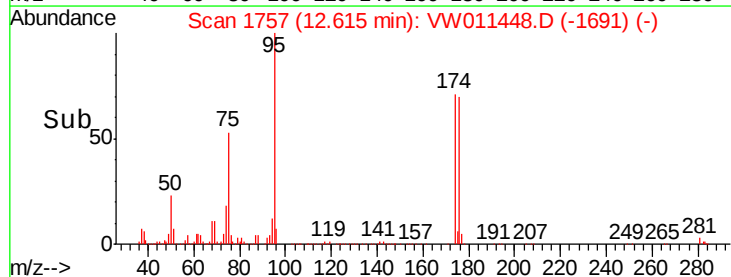
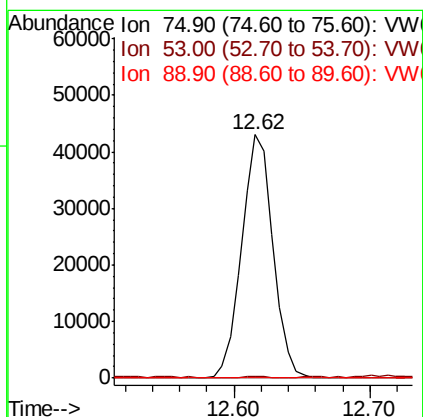
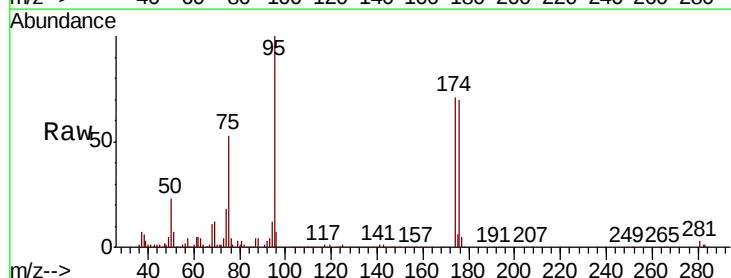
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-SF-02-005-B

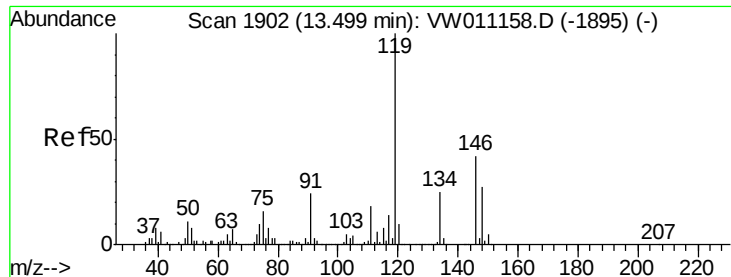
Tot Ion:105 Resp: 35705
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 148.050 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011448.D
 Acq: 23 Jul 2019 23:07

Tgt Ion: 75 Resp: 69101
 Ion Ratio Lower Upper
 75 100
 53 0.2 89.8 134.6#
 89 0.0 34.3 51.5#

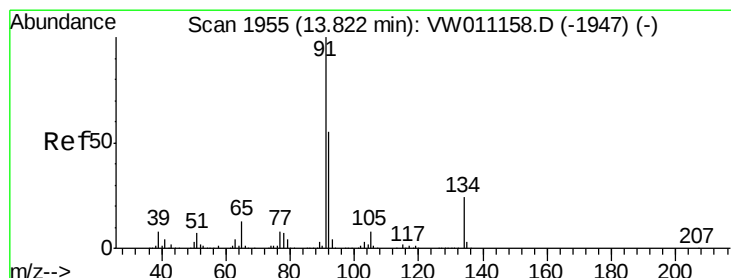
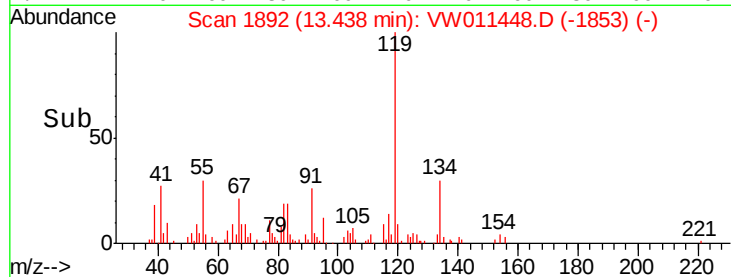
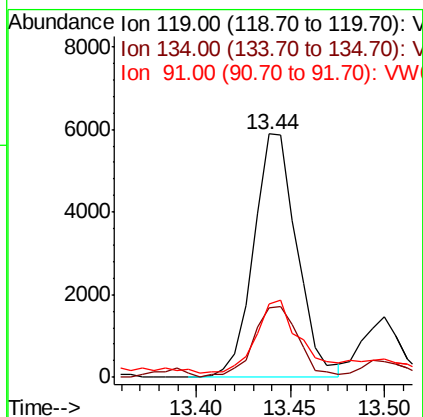
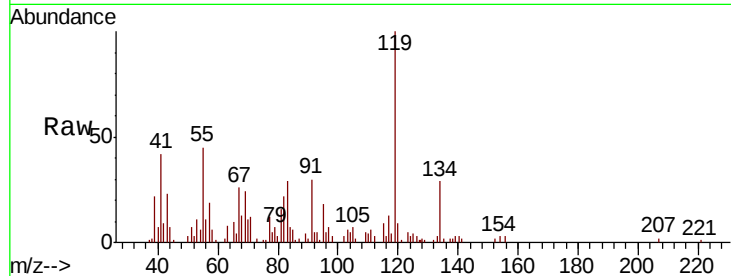




#86
p-Isopropyltoluene
Concen: 1.500 ug/l
RT: 13.44 min Scan# 1892
Delta R.T. -0.06 min
Lab File: VW011448.D
Acq: 23 Jul 2019 23:07

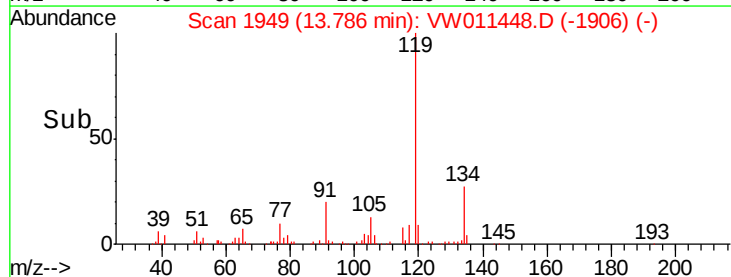
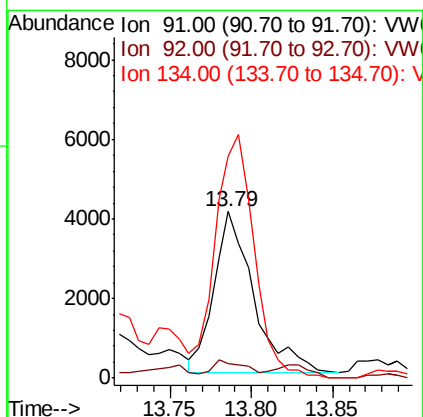
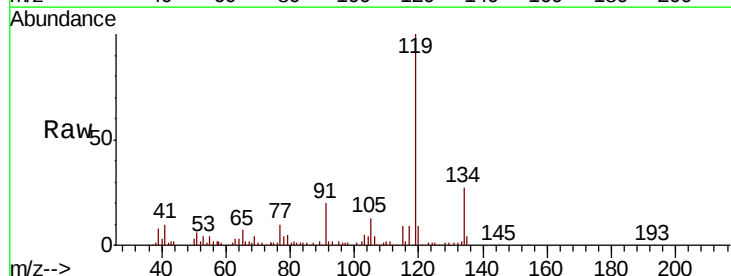
Instrument :
MSVOA_W
ClientSampleId :
FK-SF-02-005-B

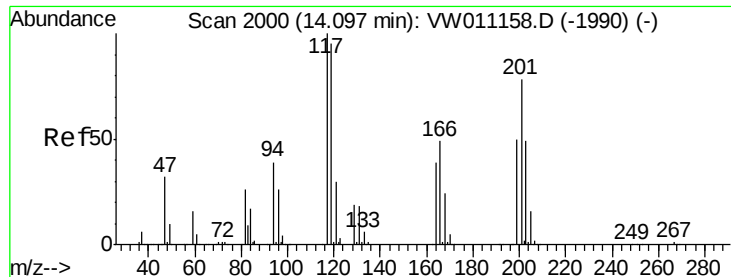
Tot Ion	Ratio	Lower	Upper
119	100		
134	30.4	12.9	38.6
91	29.8	12.3	36.8



#89
n-Butylbenzene
Concen: 1.104 ug/l
RT: 13.79 min Scan# 1949
Delta R.T. -0.04 min
Lab File: VW011448.D
Acq: 23 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	7.4	26.9	80.7#
134	147.9	12.2	36.4#





#90

Hexachloroethane

Concen: 1.885 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW011448.D

Acq: 23 Jul 2019 23:07

Instrument :

MSVOA_W

ClientSampleId :

FK-SF-02-005-B

Tot Ion:117 Resp: 2157

Ion Ratio Lower Upper

117 100

201 0.0 38.3 114.8#

