

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080819\
 Data File : VW011750.D
 Acq On : 07 Aug 2019 14:48
 Operator : SY/VA
 Sample : K4034-02RE
 Misc : 5.55G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-PS-01-054

Quant Time: Aug 08 08:40:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	207782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	342387	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	274996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	97271	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	139847	58.61	ug/l	0.00
Spiked Amount			Recovery	=	117.22%	
35) Dibromofluoromethane	7.88	113	108638	56.56	ug/l	0.00
Spiked Amount			Recovery	=	113.12%	
50) Toluene-d8	10.32	98	415225	52.80	ug/l	0.00
Spiked Amount			Recovery	=	105.60%	
62) 4-Bromofluorobenzene	12.62	95	120676	43.04	ug/l	0.00
Spiked Amount			Recovery	=	86.08%	

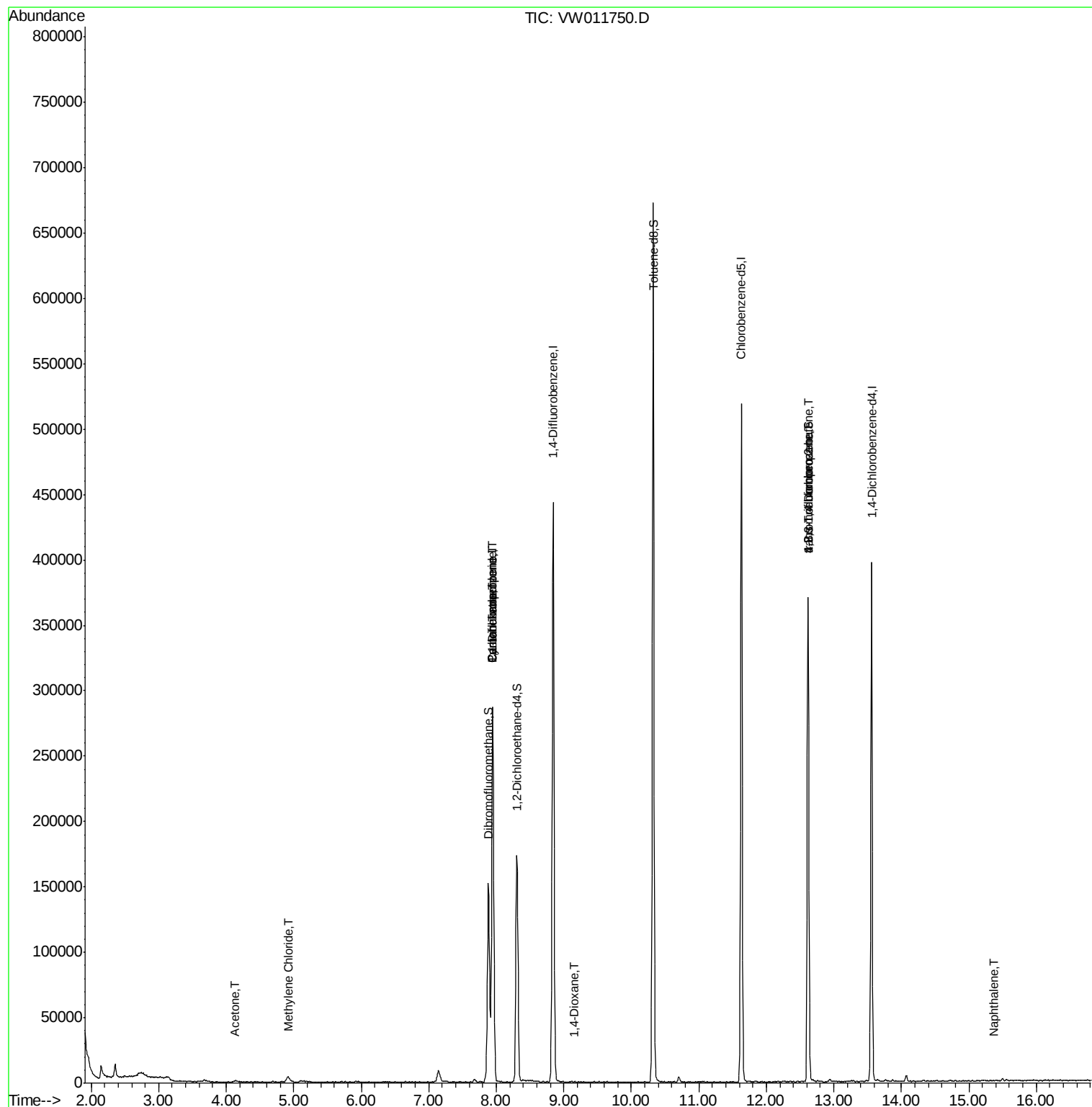
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	1135	Below Cal	#	72
16) Acetone	4.13	43	1703	2.244	ug/l #	67
20) Methylene Chloride	4.92	84	2763	1.056	ug/l #	86
31) Cyclohexane	7.95	56	5361	1.202	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17652	4.958	ug/l #	51
38) Carbon Tetrachloride	7.95	117	20914	6.862	ug/l #	17
49) 1,4-Dioxane	9.16	88	22	1.248	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	64789	62.948	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	64789	145.074	ug/l #	6
95) Naphthalene	15.37	128	269	2.133	ug/l #	77

(#) = 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# 991

Delta R.T. -0.00 min

Lab File: VW011750.D

Acq: 07 Aug 2019 14:48

Instrument :

MSVOA_W

ClientSampleId :

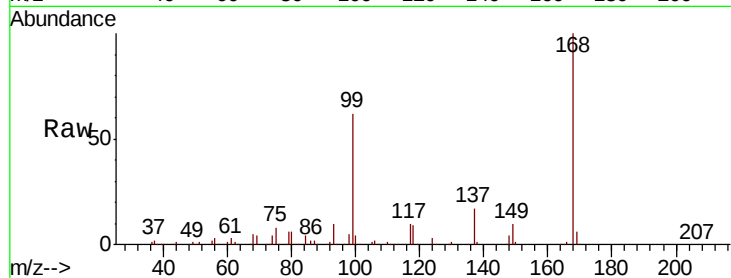
FK-PS-01-054

Tgt Ion:168 Resp: 207782

Ion Ratio Lower Upper

168 100

99 61.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

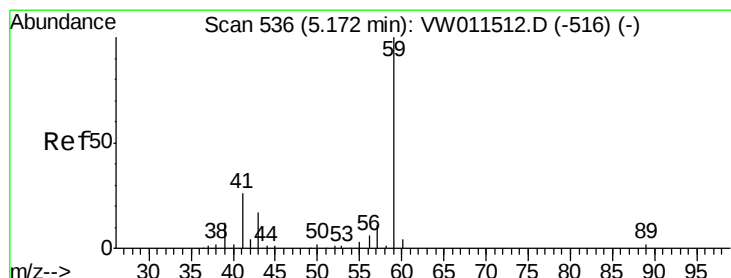
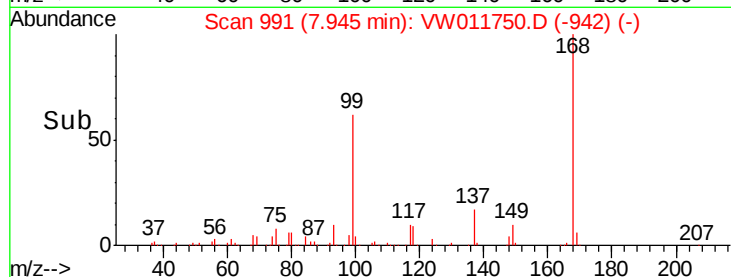
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW011750.D

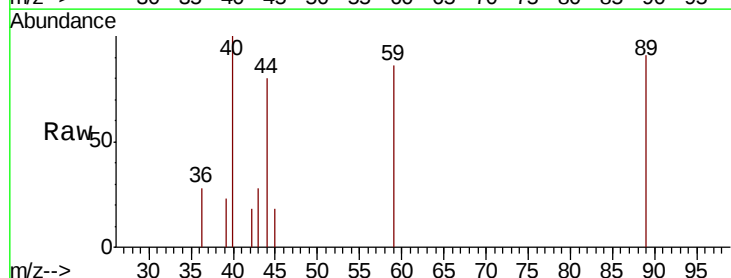
Acq: 07 Aug 2019 14:48

Tgt Ion: 59 Resp: 1135

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

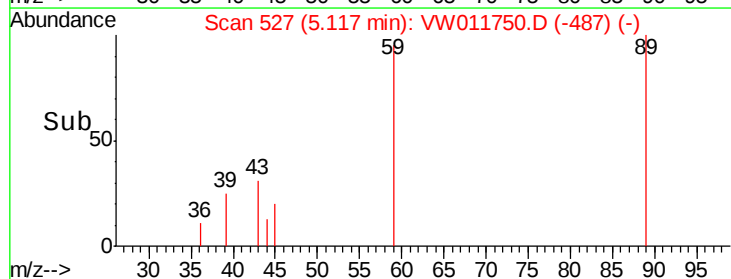
300

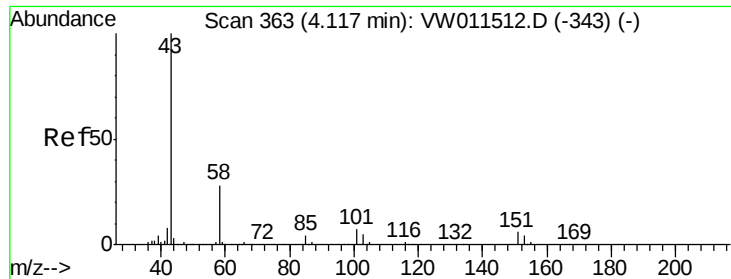
200

100

0

Time--> 5.05 5.10 5.15 5.20

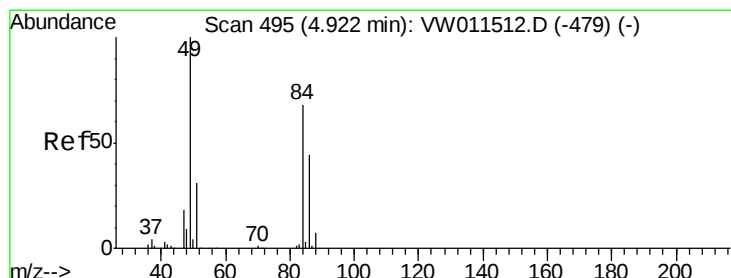
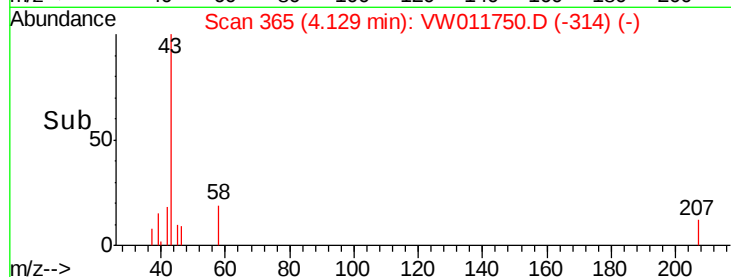
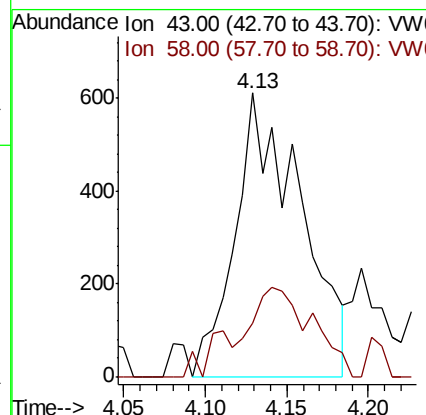
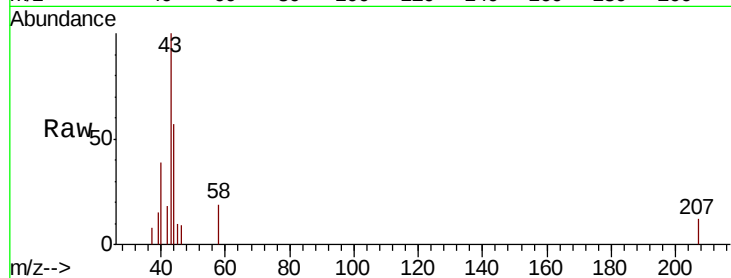




#16
Acetone
Concen: 2.244 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW011750.D
Acq: 07 Aug 2019 14:48

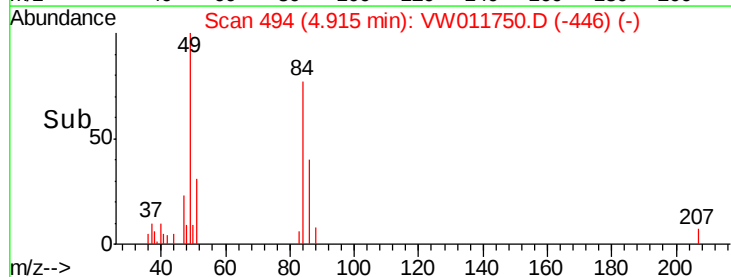
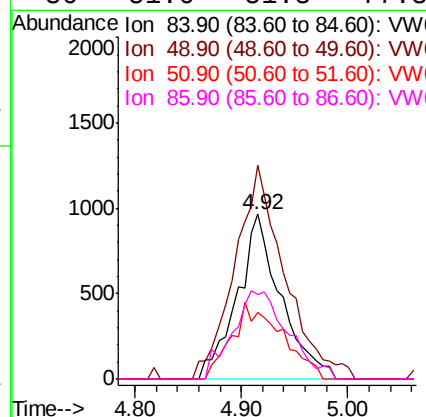
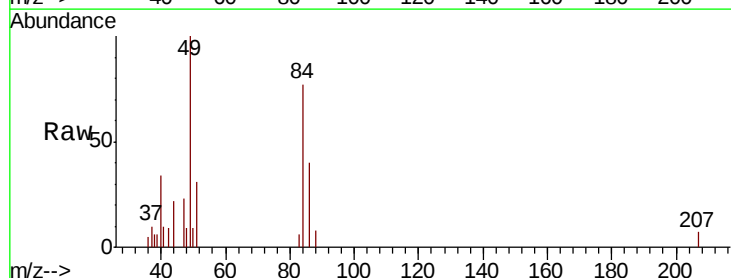
Instrument :
MSVOA_W
ClientSampleId :
FK-PS-01-054

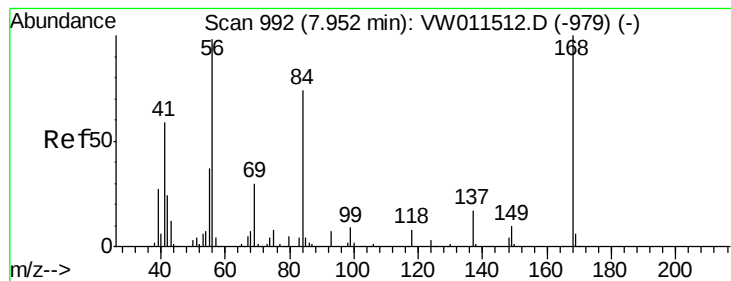
Tgt Ion: 43 Resp: 1703
Ion Ratio Lower Upper
43 100
58 10.5 22.3 33.5#



#20
Methylene Chloride
Concen: 1.056 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011750.D
Acq: 07 Aug 2019 14:48

Tgt Ion: 84 Resp: 2763
Ion Ratio Lower Upper
84 100
49 129.8 117.8 176.6
51 40.2 37.0 55.4
86 51.6 51.8 77.8#





#31

Cyclohexane

Concen: 1.202 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011750.D

Acq: 07 Aug 2019 14:48

Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-054

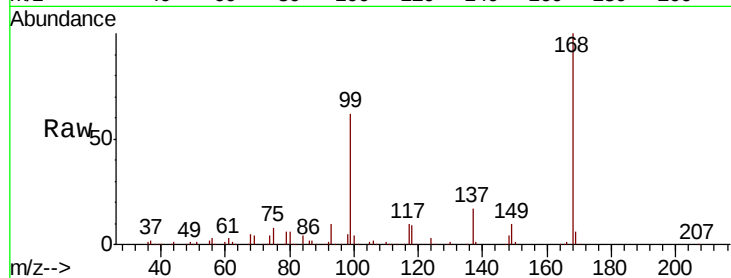
Tgt Ion: 56 Resp: 5361

Ion Ratio Lower Upper

56 100

69 174.9 24.3 36.5#

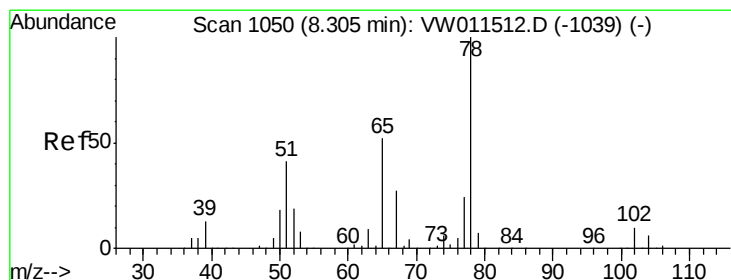
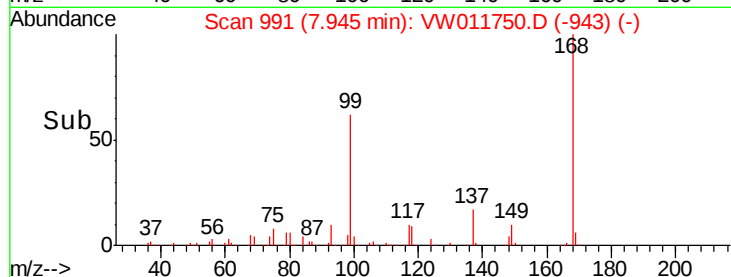
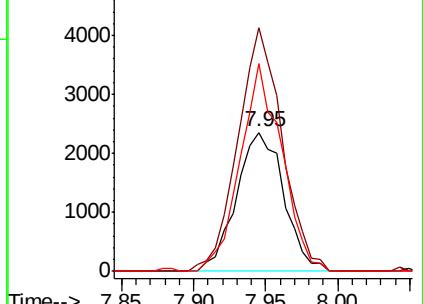
84 148.9 60.4 90.6#



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: 58.614 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011750.D

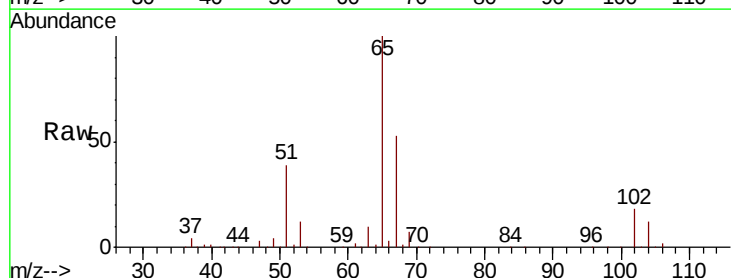
Acq: 07 Aug 2019 14:48

Tgt Ion: 65 Resp: 139847

Ion Ratio Lower Upper

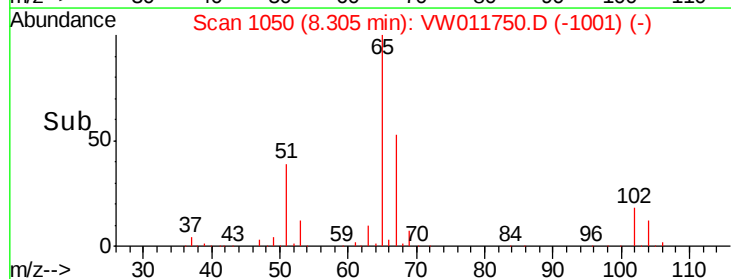
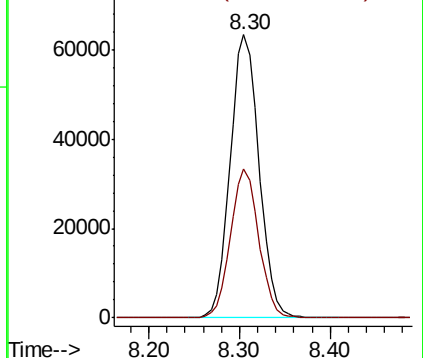
65 100

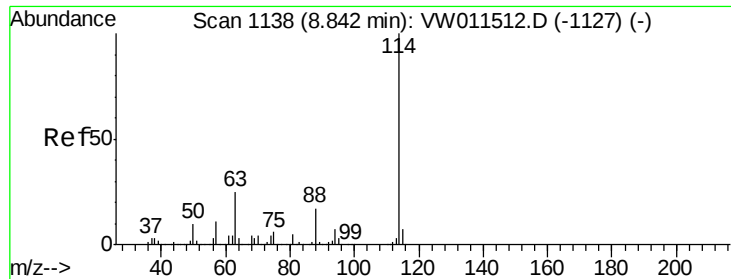
67 51.5 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW011750.D

Acq: 07 Aug 2019 14:48

Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-054

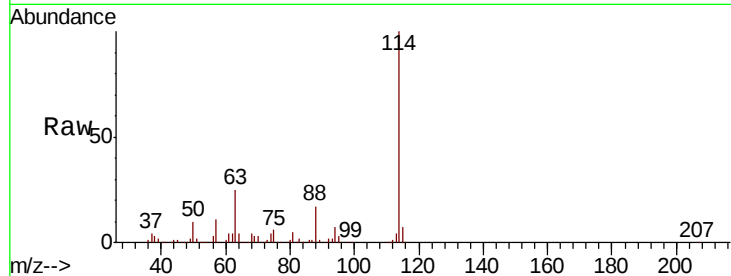
Tgt Ion:114 Resp: 342387

Ion Ratio Lower Upper

114 100

63 25.3 0.0 49.2

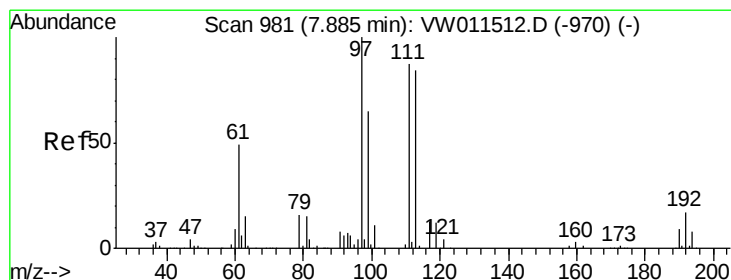
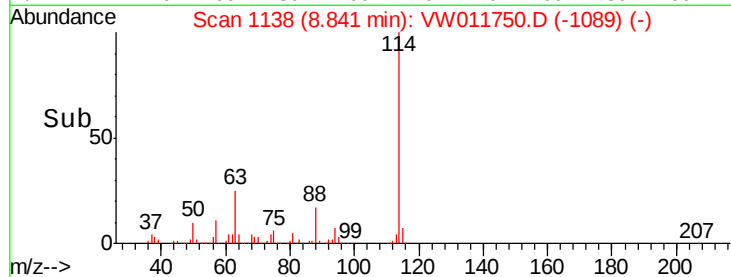
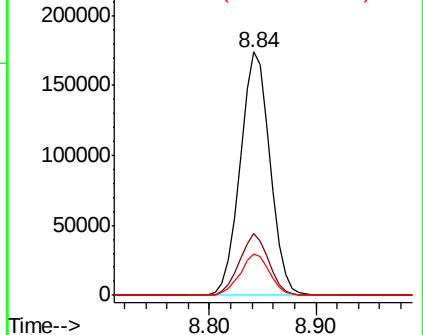
88 17.1 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 56.557 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011750.D

Acq: 07 Aug 2019 14:48

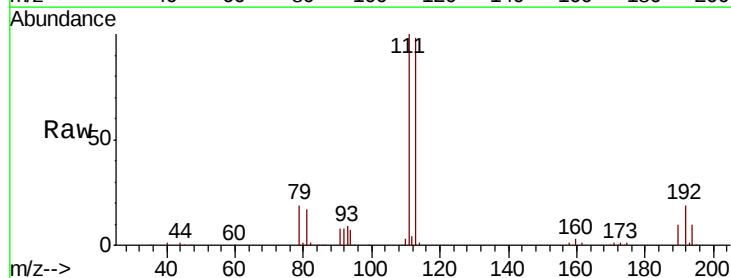
Tgt Ion:113 Resp: 108638

Ion Ratio Lower Upper

113 100

111 102.7 82.7 124.1

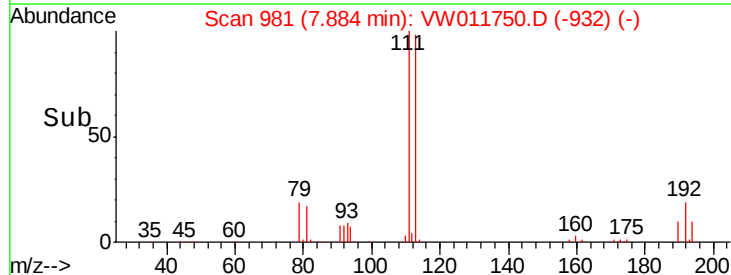
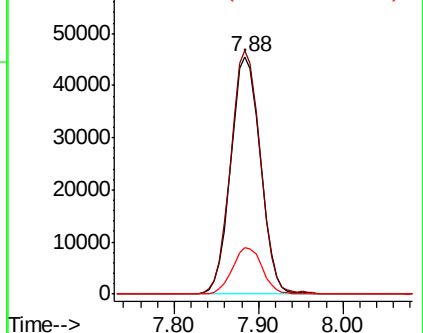
192 19.6 16.1 24.1

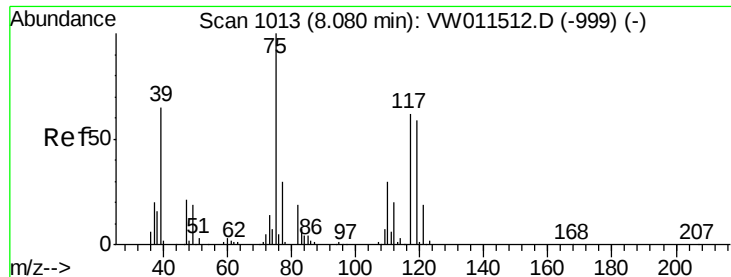


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

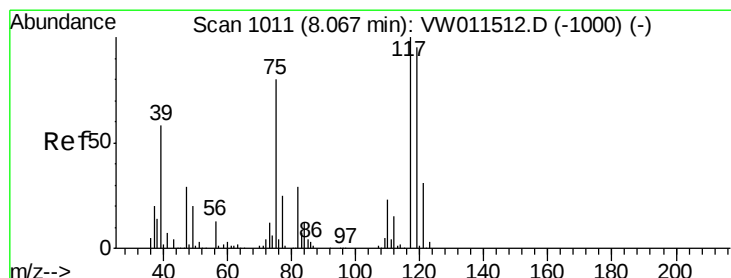
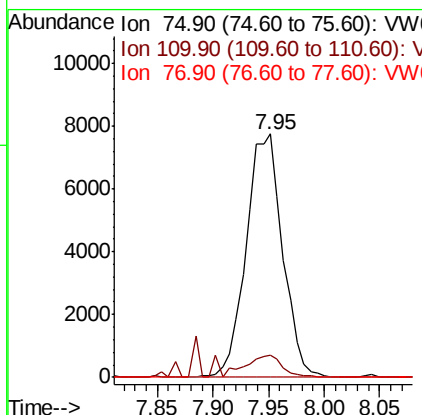
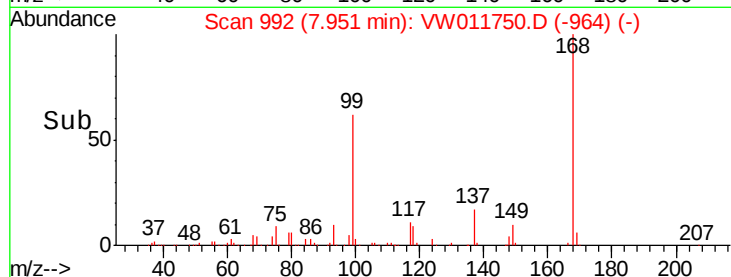
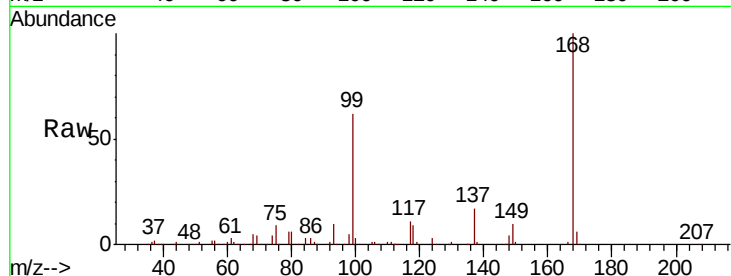




#36
 1,1-Dichloropropene
 Concen: 4.958 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW011750.D
 Acq: 07 Aug 2019 14:48

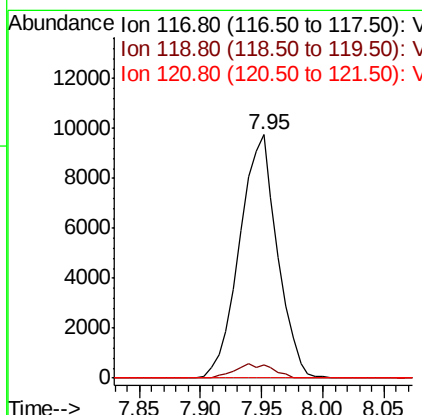
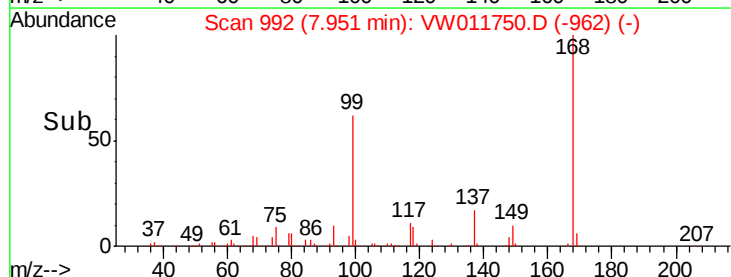
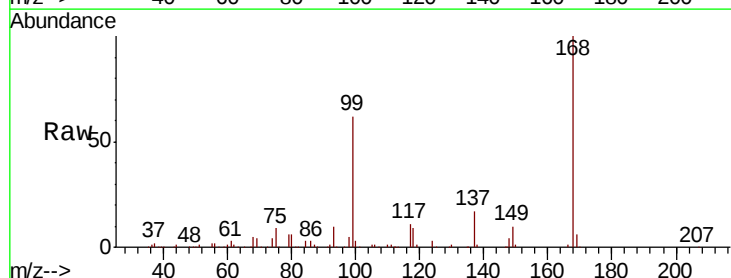
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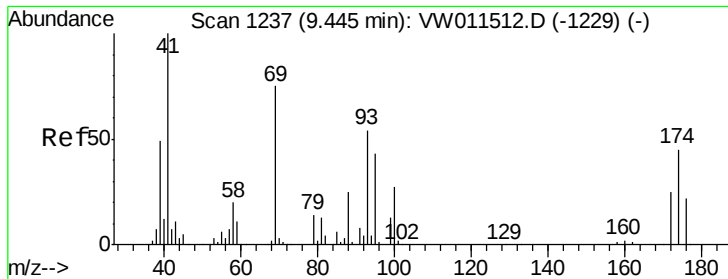
Tgt Ion: 75 Resp: 17652
 Ion Ratio Lower Upper
 75 100
 110 8.2 15.6 46.8#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.862 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW011750.D
 Acq: 07 Aug 2019 14:48

Tgt Ion: 117 Resp: 20914
 Ion Ratio Lower Upper
 117 100
 119 5.7 75.8 113.6#
 121 0.0 24.7 37.1#

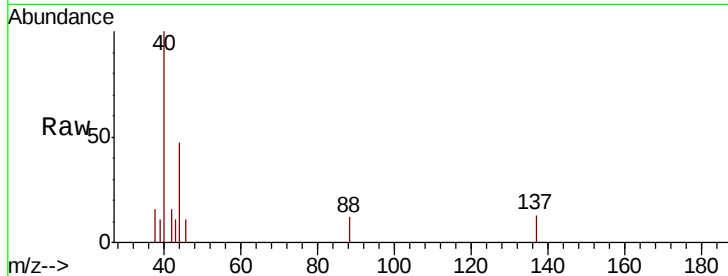




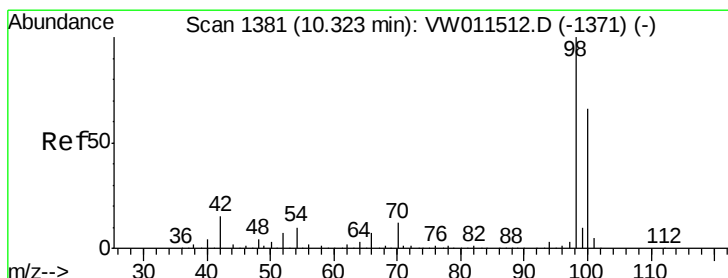
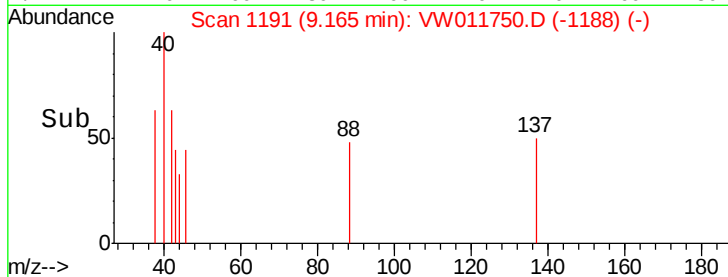
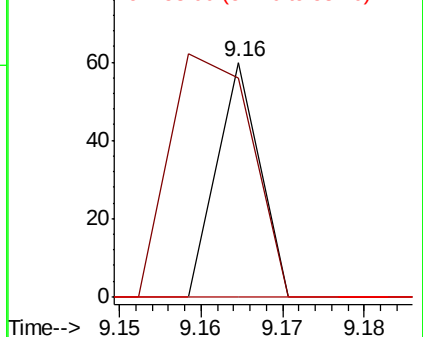
#49
1,4-Dioxane
Concen: 1.248 ug/l
RT: 9.16 min Scan# 1191
Delta R.T. -0.28 min
Lab File: VW011750.D
Acq: 07 Aug 2019 14:48

Instrument :
MSVOA_W
ClientSampleId :
FK-PS-01-054

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 34.0 51.0#
58 0.0 69.7 104.5#

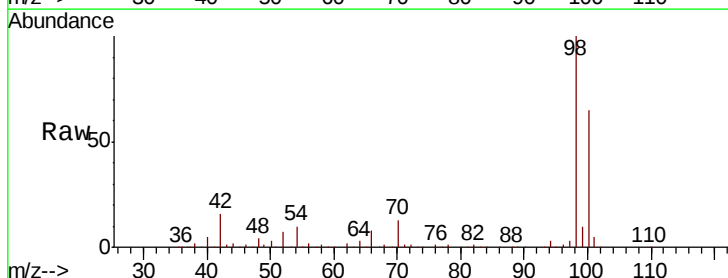


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

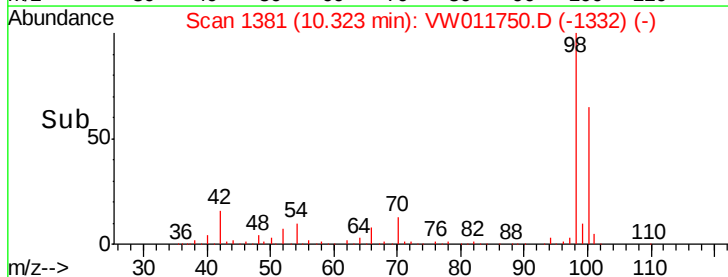
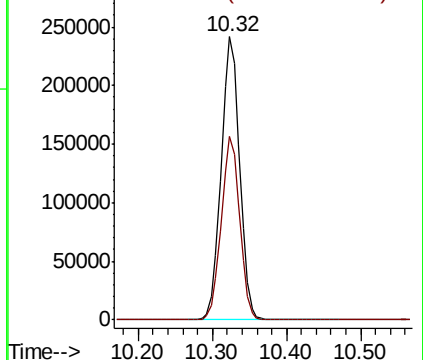


#50
Toluene-d8
Concen: 52.797 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011750.D
Acq: 07 Aug 2019 14:48

Tgt Ion: 98 Resp: 415225
Ion Ratio Lower Upper
98 100
100 64.7 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 43.039 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011750.D

Acq: 07 Aug 2019 14:48

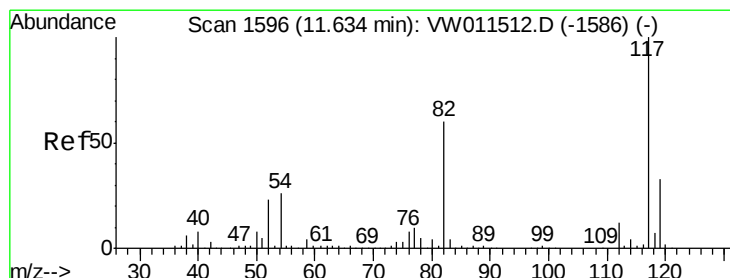
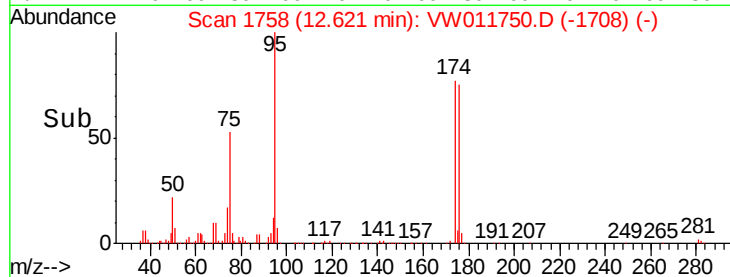
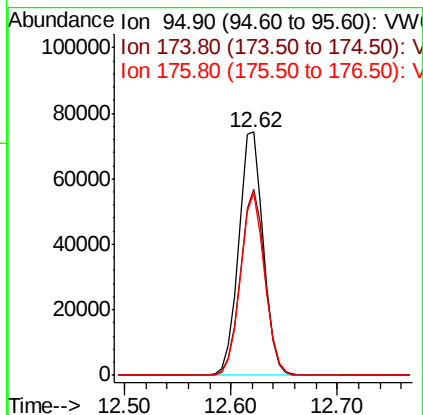
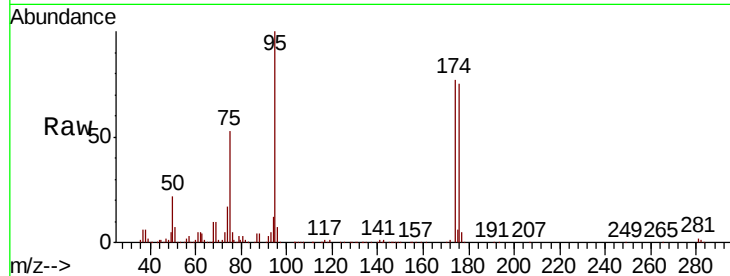
Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-054

Tgt Ion:	95	Resp:	120676
Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	150.2
176	73.6	0.0	144.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

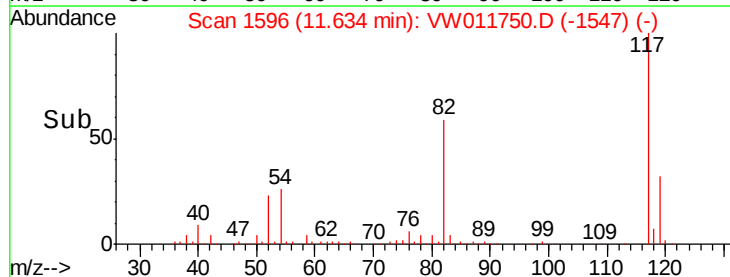
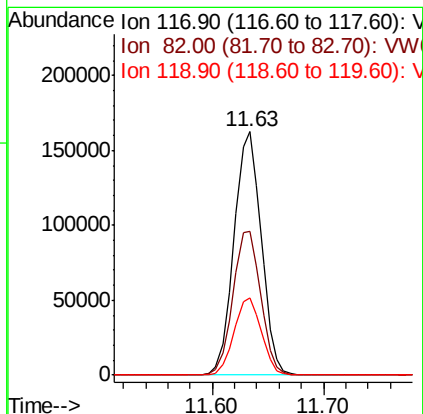
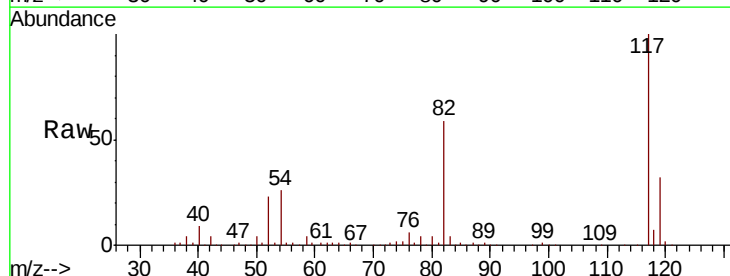
RT: 11.63 min Scan# 1596

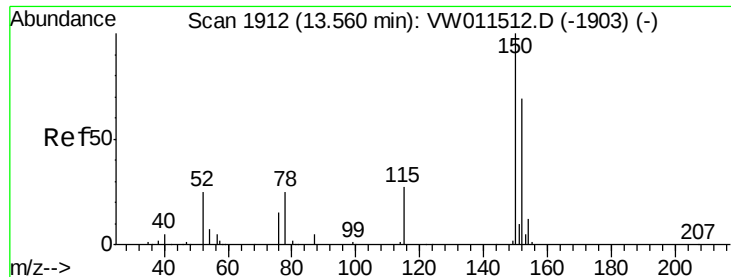
Delta R.T. -0.00 min

Lab File: VW011750.D

Acq: 07 Aug 2019 14:48

Tgt Ion:	117	Resp:	274996
Ion	Ratio	Lower	Upper
117	100		
82	58.9	47.9	71.9
119	31.8	26.2	39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011750.D

Acq: 07 Aug 2019 14:48

Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-054

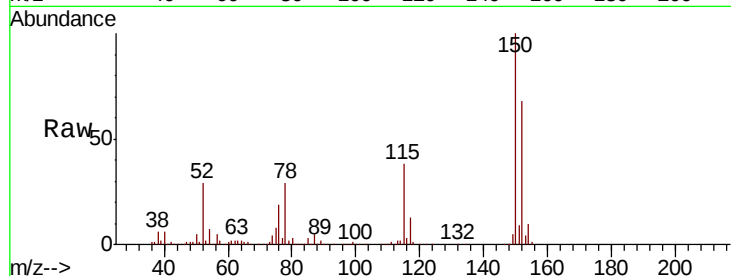
Tgt Ion:152 Resp: 97271

Ion Ratio Lower Upper

152 100

115 59.5 30.5 91.5

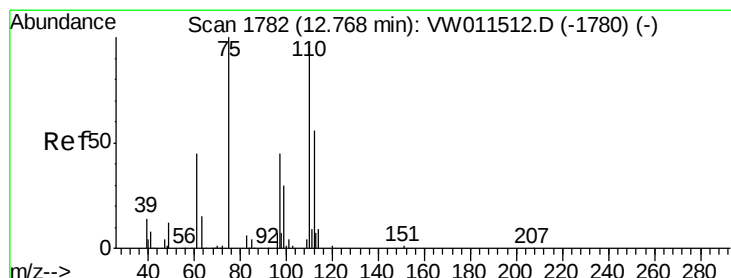
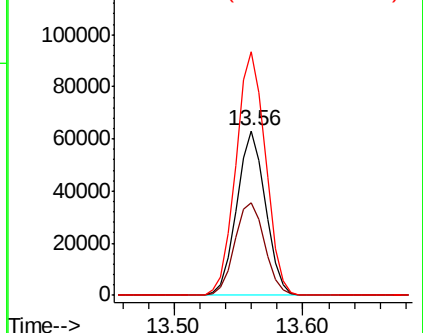
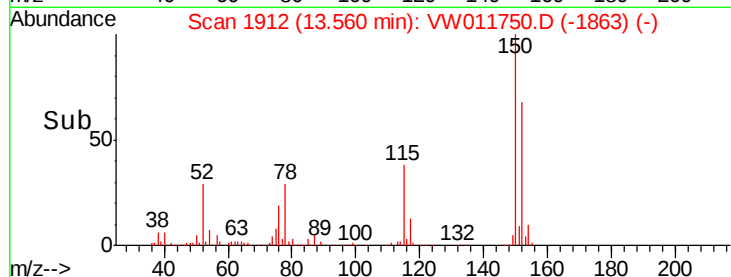
150 153.5 0.0 352.6



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



#76

1,2,3-Trichloropropane

Concen: 62.948 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW011750.D

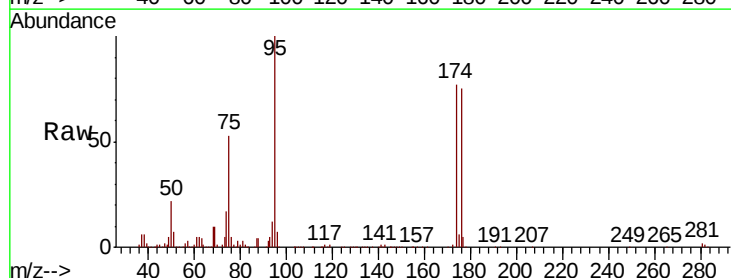
Acq: 07 Aug 2019 14:48

Tgt Ion: 75 Resp: 64789

Ion Ratio Lower Upper

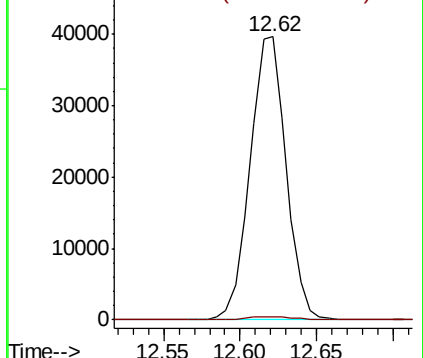
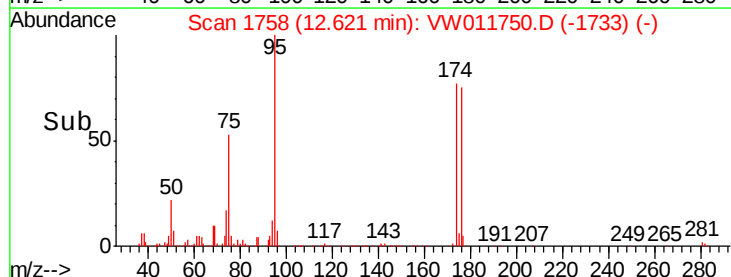
75 100

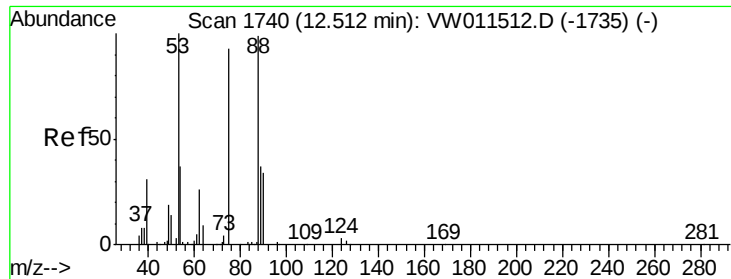
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 145.074 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW011750.D

Acq: 07 Aug 2019 14:48

Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-054

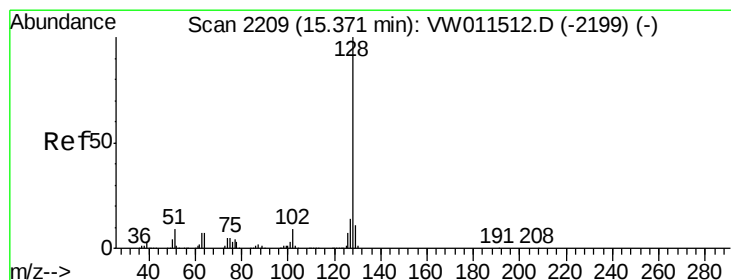
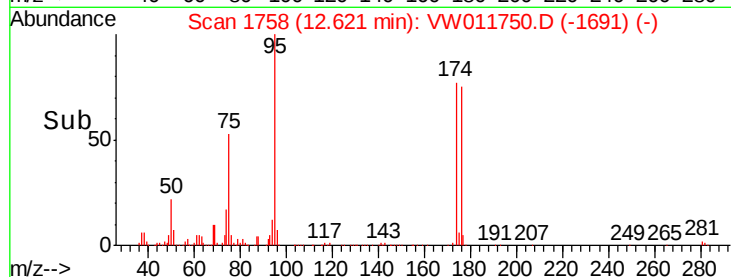
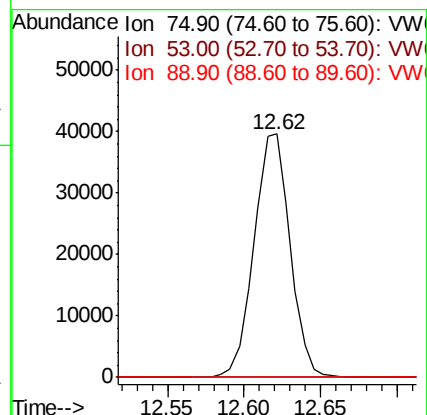
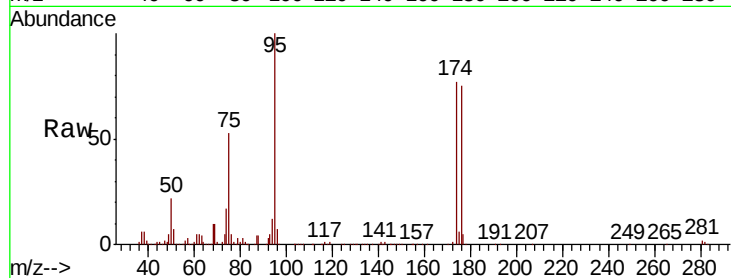
Tgt Ion: 75 Resp: 64789

Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 0.1 35.3 52.9#



#95

Naphthalene

Concen: 2.133 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011750.D

Acq: 07 Aug 2019 14:48

Tgt Ion: 128 Resp: 269

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 7.1 8.6 13.0#

