

Data File : VW012685.D
Acq On : 06 Sep 2019 12:32
Operator : SY/VA
Sample : K4587-02
Misc : 6.38G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FK-PS-01-057

Quant Time: Sep 07 04:36:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	202665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	307644	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	219597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	93611	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	130697	54.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.50%	
35) Dibromofluoromethane	7.88	113	92518	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	10.32	98	360935	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
62) 4-Bromofluorobenzene	12.62	95	107314	40.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.78%	

Target Compounds

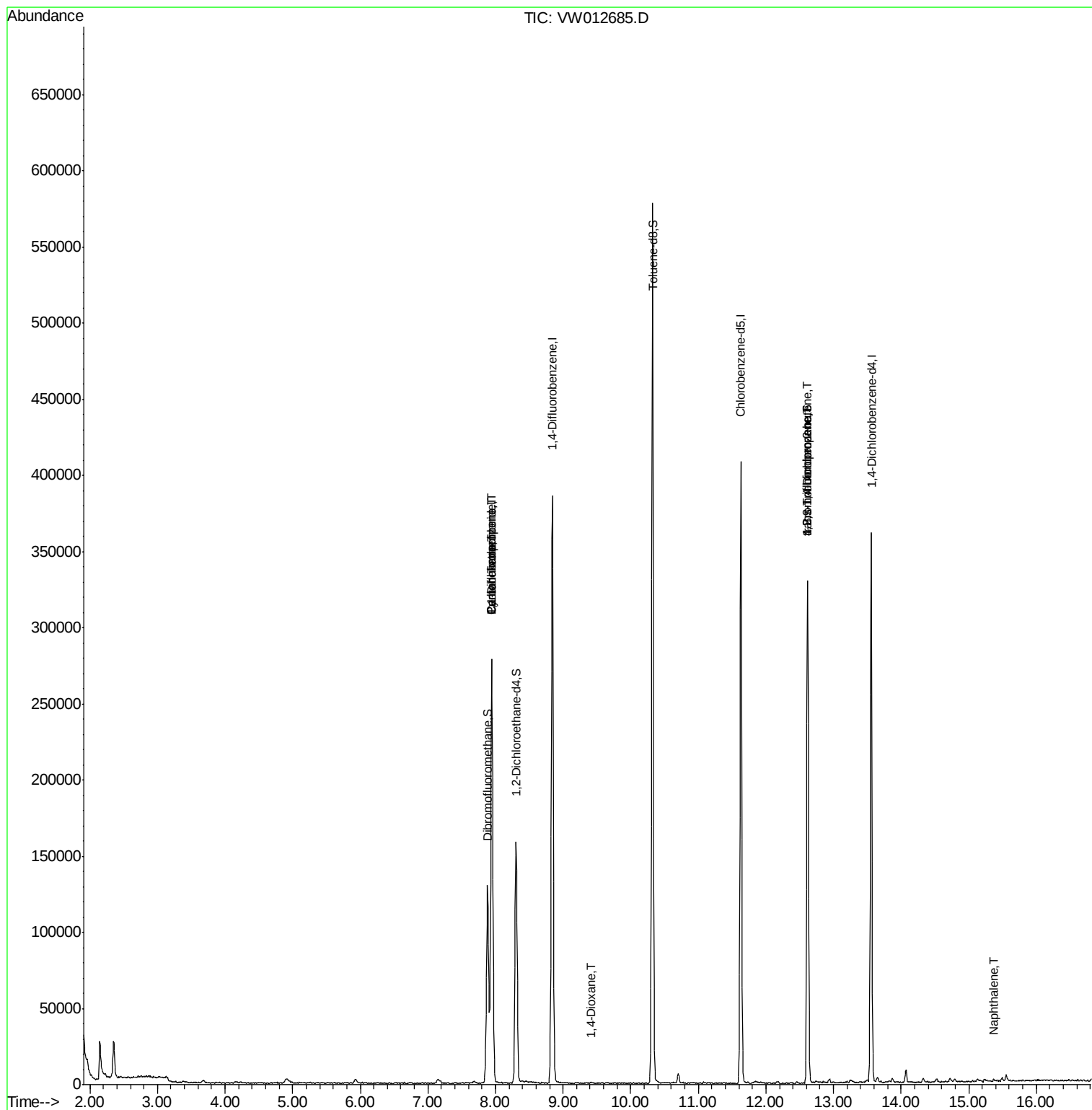
						Qvalue
31) Cyclohexane	7.95	56	5020	1.157	ug/l #	12
36) 1,1-Dichloropropene	7.94	75	17027	5.356	ug/l #	53
38) Carbon Tetrachloride	7.95	117	20252	7.360	ug/l #	16
49) 1,4-Dioxane	9.41	88	43	2.702	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	57978	63.593	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	57978	139.430	ug/l #	6
95) Naphthalene	15.37	128	1039	4.590	ug/l #	90

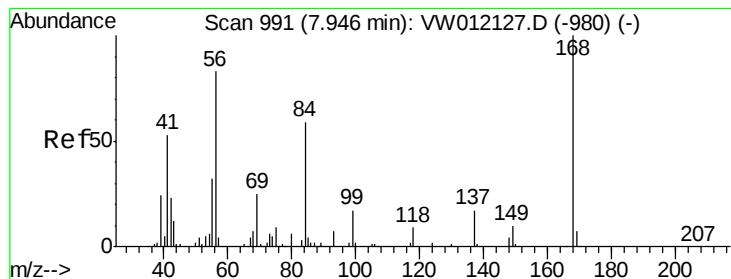
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012685.D

Acq: 06 Sep 2019 12:32

Instrument :

MSVOA_W

ClientSampleId :

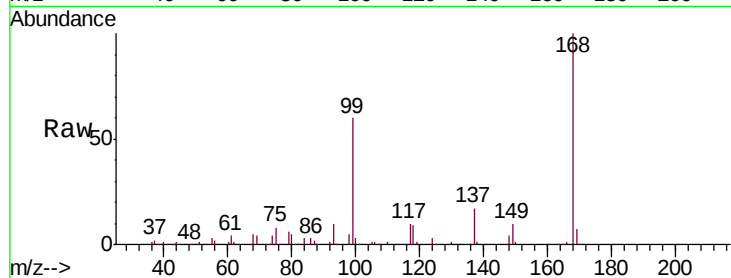
FK-PS-01-057

Tgt Ion:168 Resp: 202665

Ion Ratio Lower Upper

168 100

99 60.2 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

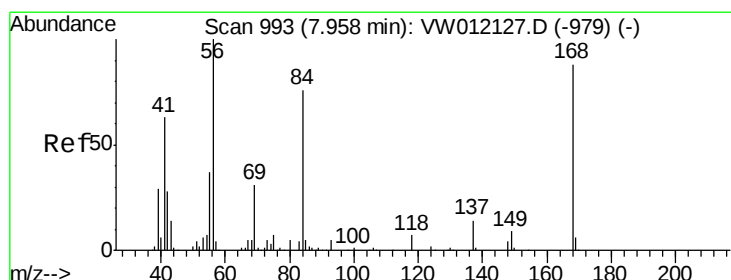
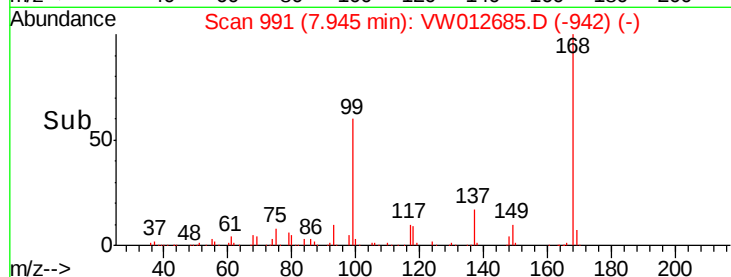
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#31

Cyclohexane

Concen: 1.157 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012685.D

Acq: 06 Sep 2019 12:32

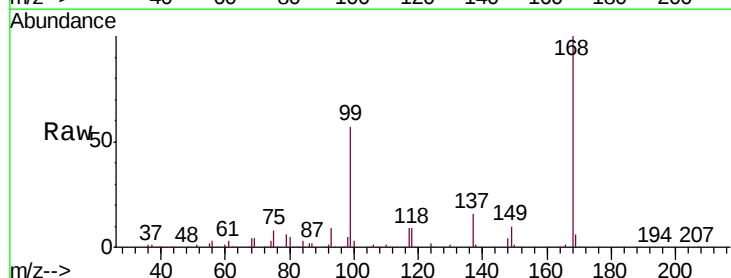
Tgt Ion: 56 Resp: 5020

Ion Ratio Lower Upper

56 100

69 147.3 24.9 37.3#

84 108.0 60.6 90.8#



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

5000

4000

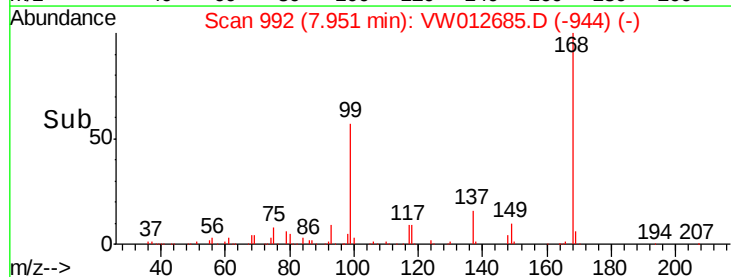
3000

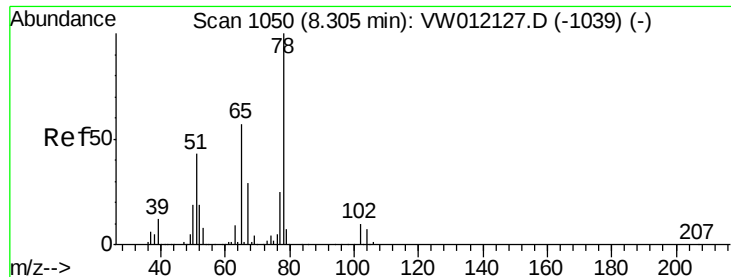
2000

1000

0

Time--> 7.85 7.90 7.95 8.00

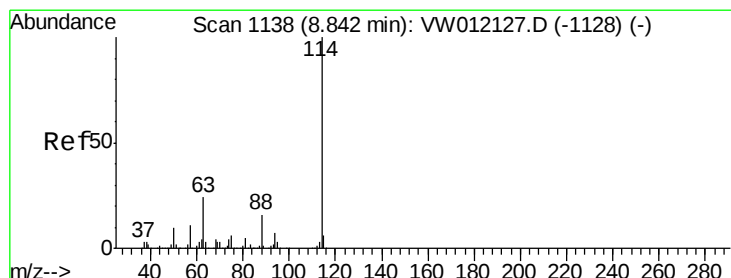
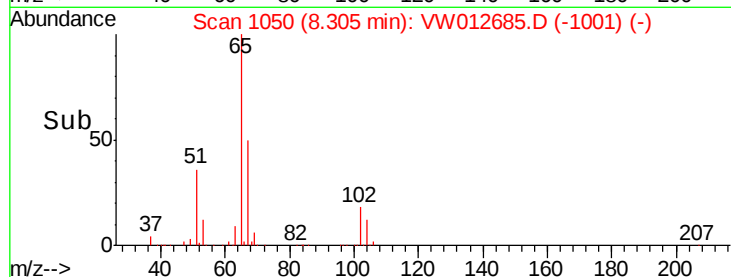
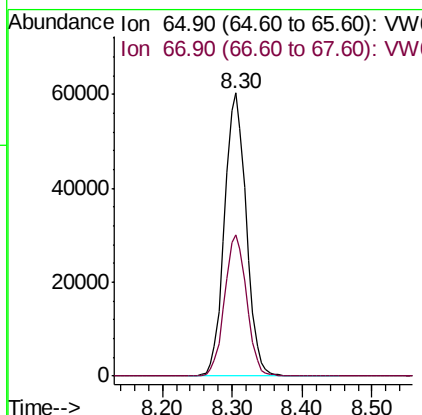
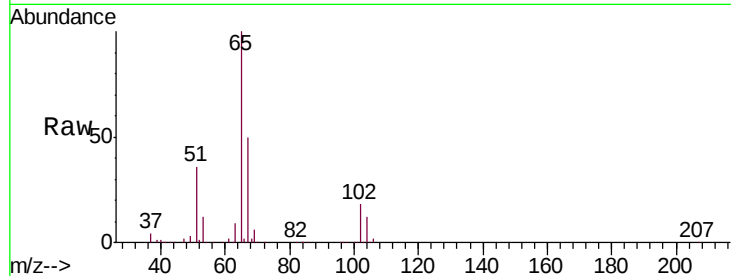




#33
 1,2-Dichloroethane-d4
 Concen: 54.249 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012685.D
 Acq: 06 Sep 2019 12:32

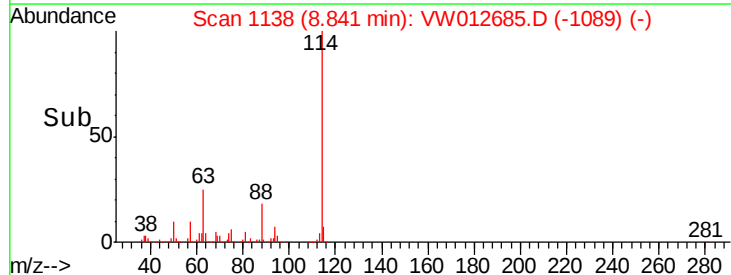
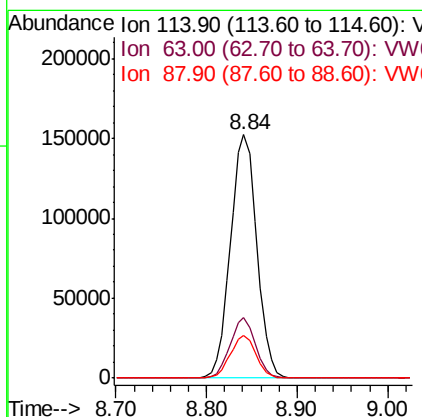
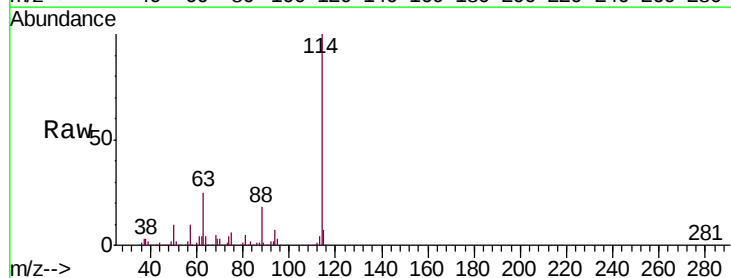
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-PS-01-057

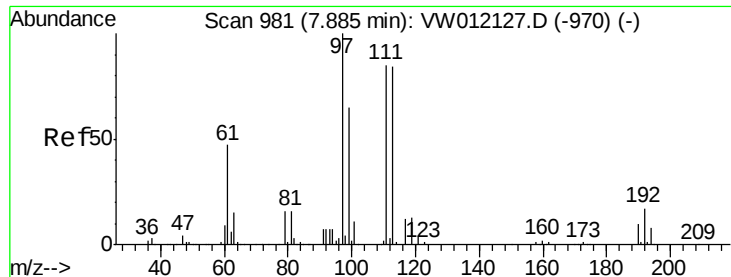
Tgt Ion: 65 Resp: 130697
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012685.D
 Acq: 06 Sep 2019 12:32

Tgt Ion: 114 Resp: 307644
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 48.6
 88 17.8 0.0 32.2

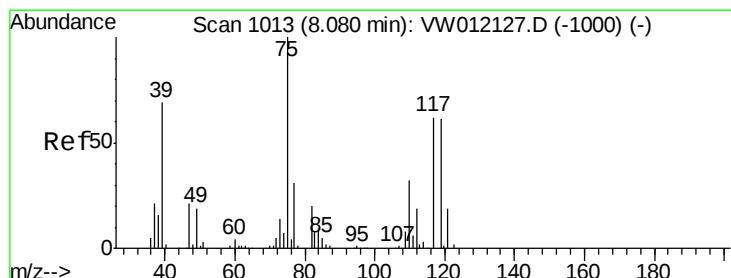
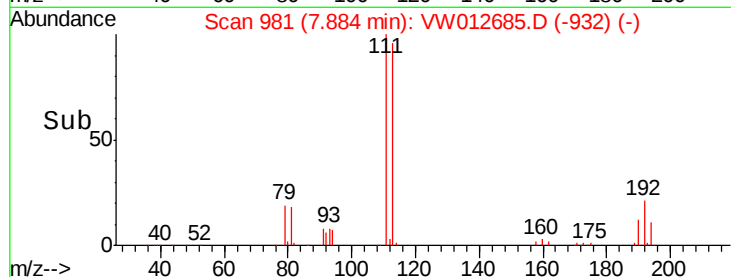
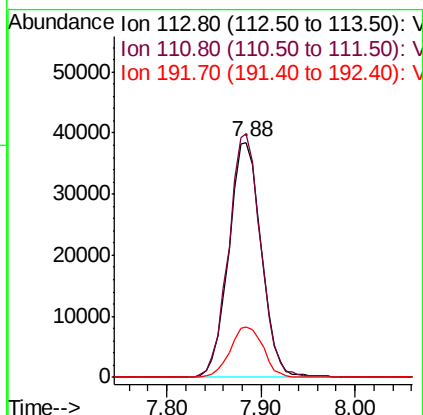
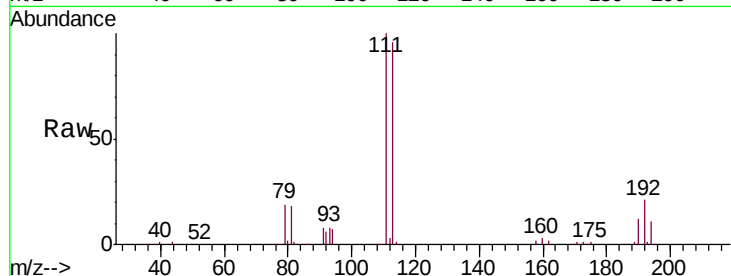




#35
 Dibromofluoromethane
 Concen: 50.382 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012685.D
 Acq: 06 Sep 2019 12:32

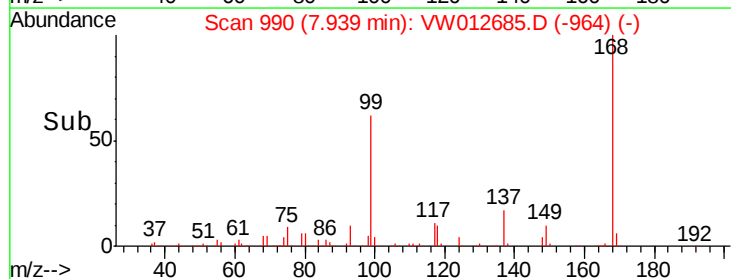
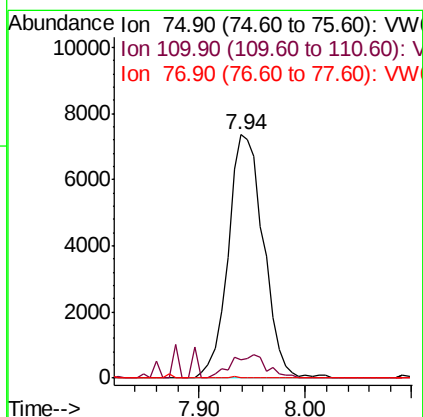
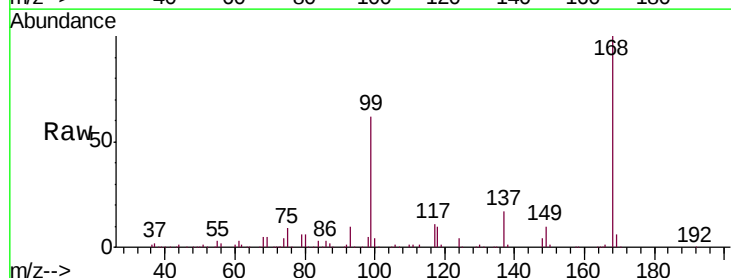
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-PS-01-057

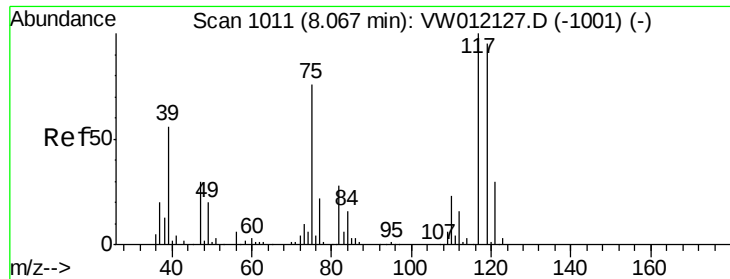
Tgt Ion:113 Resp: 92518
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.7 124.1
 192 21.7 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.356 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012685.D
 Acq: 06 Sep 2019 12:32

Tgt Ion: 75 Resp: 17027
 Ion Ratio Lower Upper
 75 100
 110 9.9 15.6 46.8#
 77 0.1 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 7.360 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012685.D

Acq: 06 Sep 2019 12:32

Instrument :

MSVOA_W

ClientSampled :

FK-PS-01-057

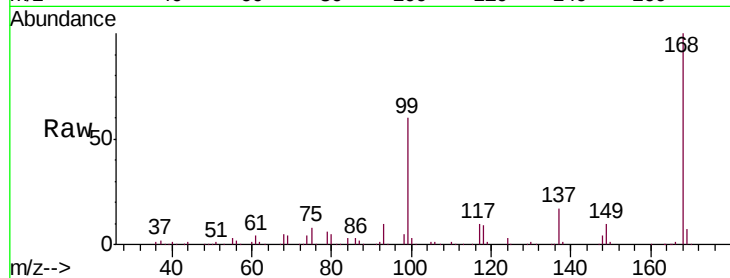
Tgt Ion: 117 Resp: 20252

Ion Ratio Lower Upper

117 100

119 5.0 76.2 114.2#

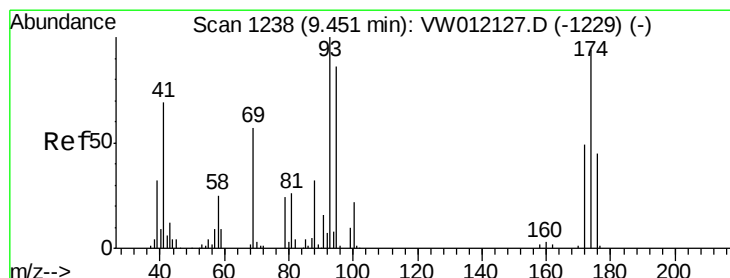
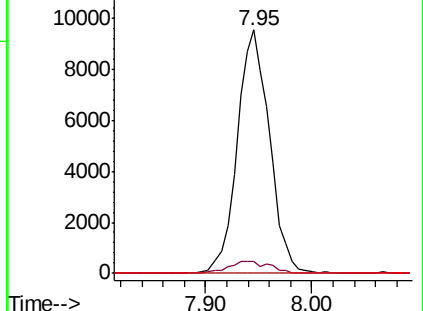
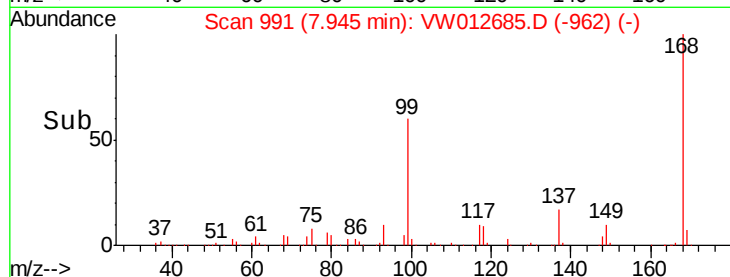
121 0.0 23.8 35.8#



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



#49

1,4-Dioxane

Concen: 2.702 ug/l

RT: 9.41 min Scan# 1231

Delta R.T. -0.04 min

Lab File: VW012685.D

Acq: 06 Sep 2019 12:32

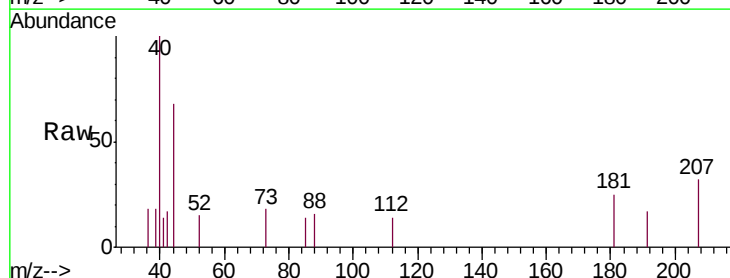
Tgt Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

43 0.0 32.9 49.3#

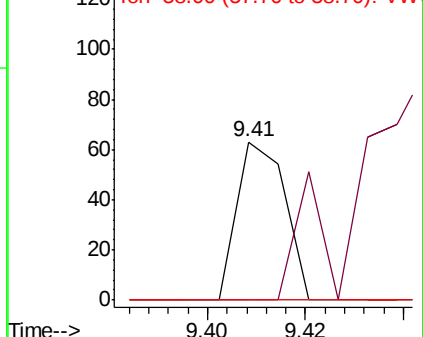
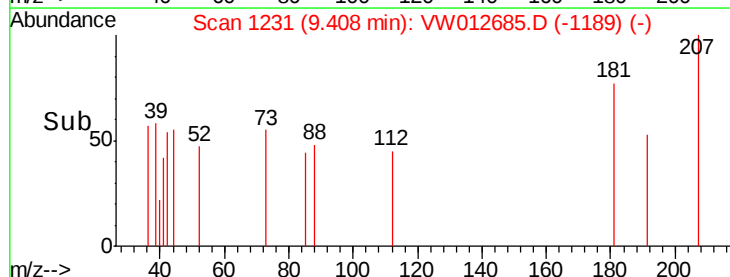
58 0.0 71.0 106.4#

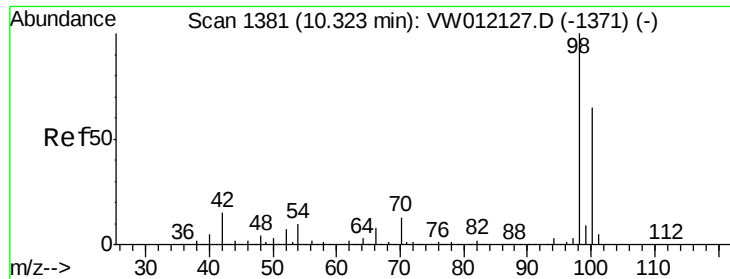


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 48.475 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012685.D

Acq: 06 Sep 2019 12:32

Instrument :

MSVOA_W

ClientSampleId :

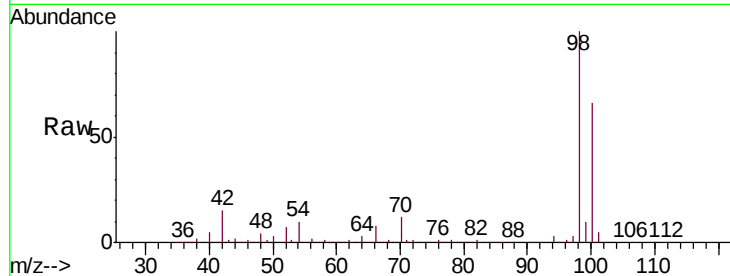
FK-PS-01-057

Tgt Ion: 98 Resp: 360935

Ion Ratio Lower Upper

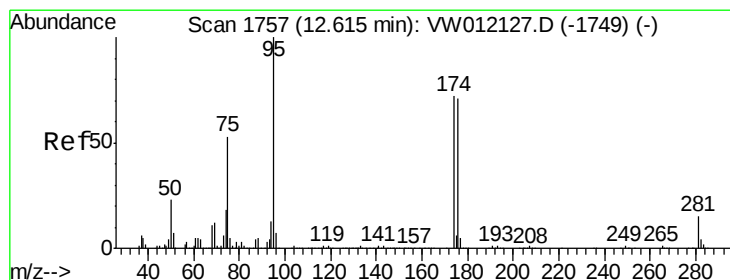
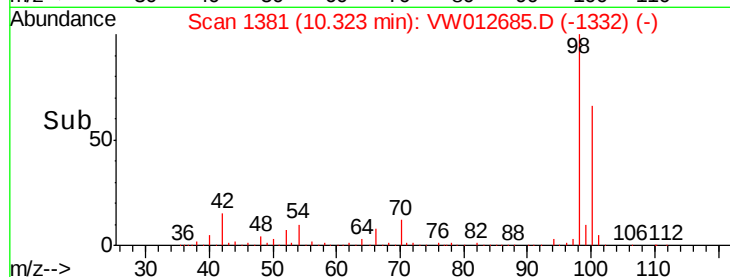
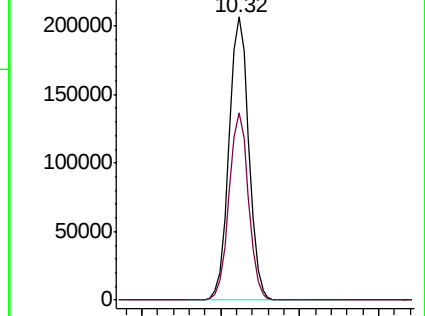
98 100

100 65.0 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 40.887 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012685.D

Acq: 06 Sep 2019 12:32

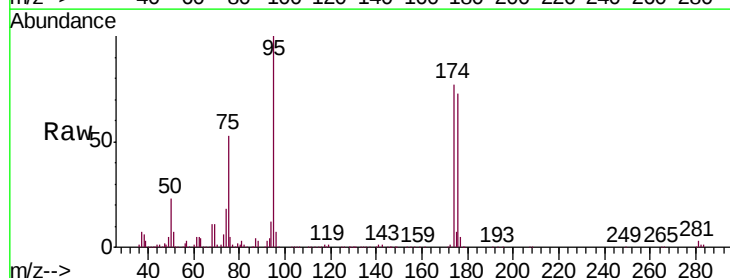
Tgt Ion: 95 Resp: 107314

Ion Ratio Lower Upper

95 100

174 80.5 0.0 150.8

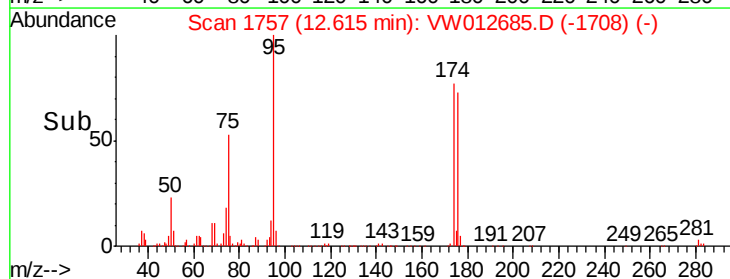
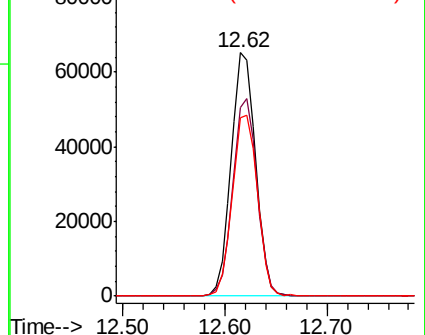
176 76.8 0.0 148.6

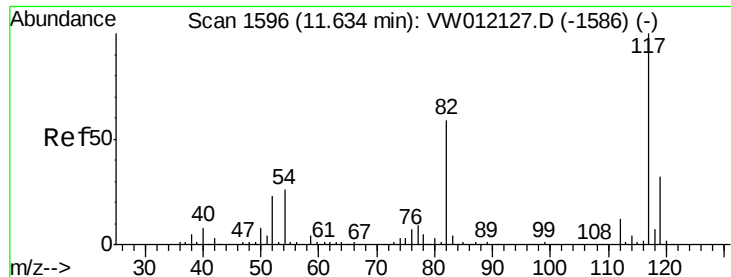


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

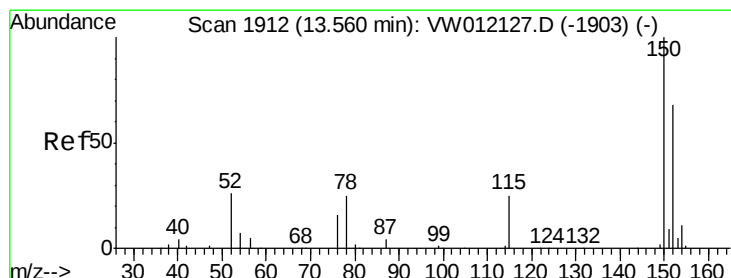
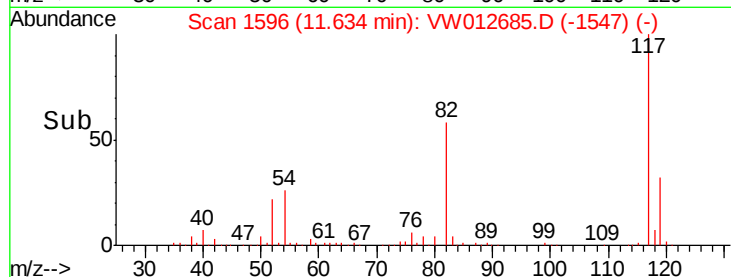
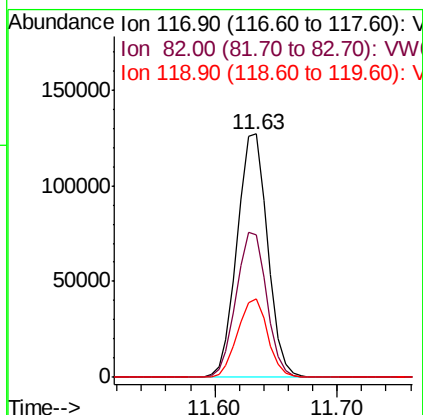
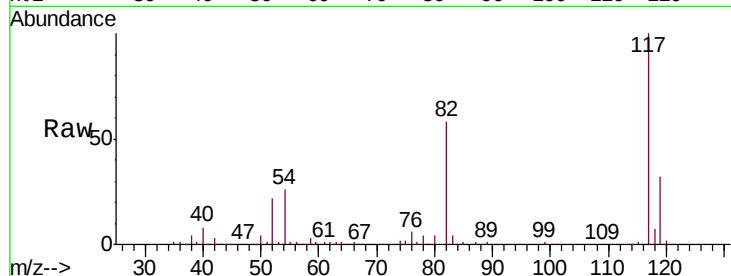




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012685.D
Acq: 06 Sep 2019 12:32

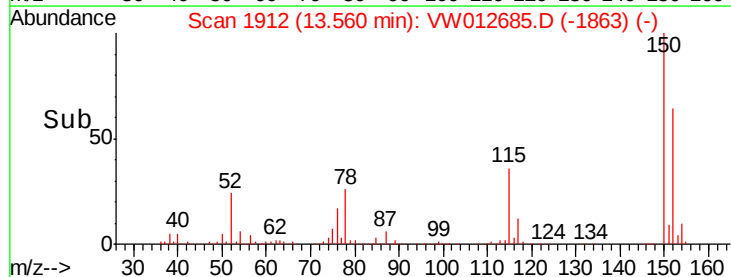
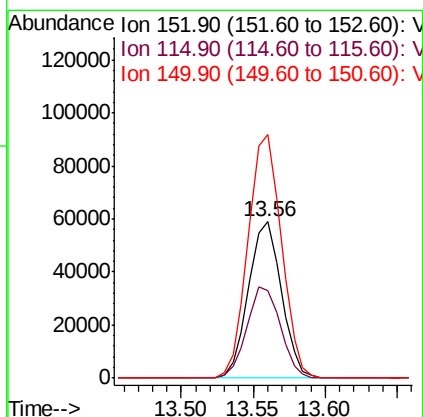
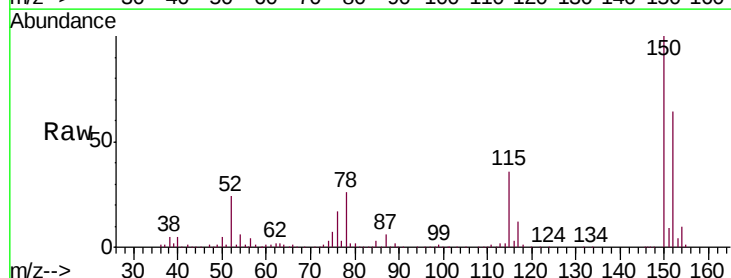
Instrument :
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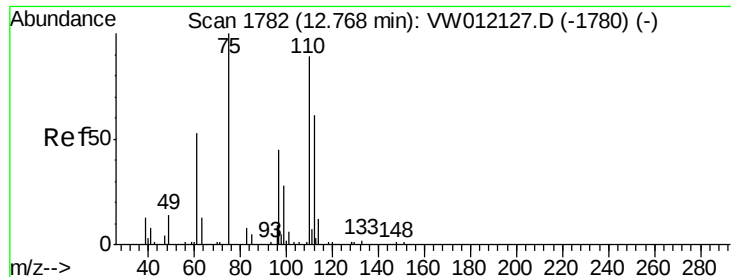
Tgt Ion:117 Resp: 219597
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.2
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012685.D
Acq: 06 Sep 2019 12:32

Tgt Ion:152 Resp: 93611
Ion Ratio Lower Upper
152 100
115 59.5 30.1 90.3
150 157.6 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 63.593 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW012685.D

Acq: 06 Sep 2019 12:32

Instrument :

MSVOA_W

ClientSampleId :

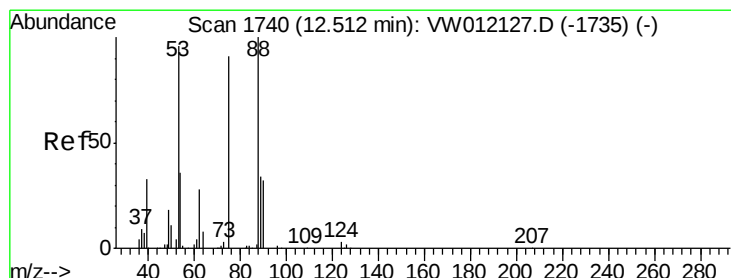
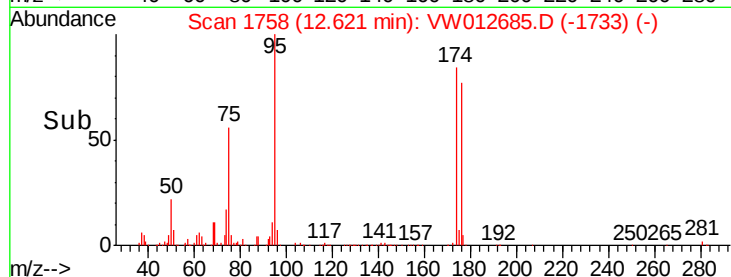
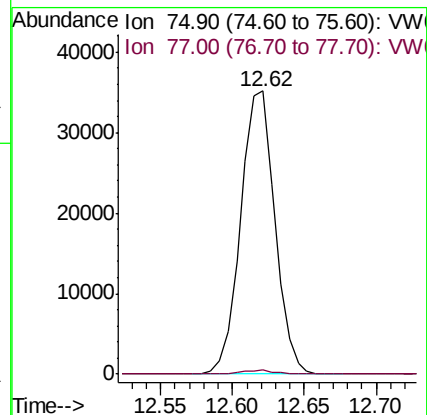
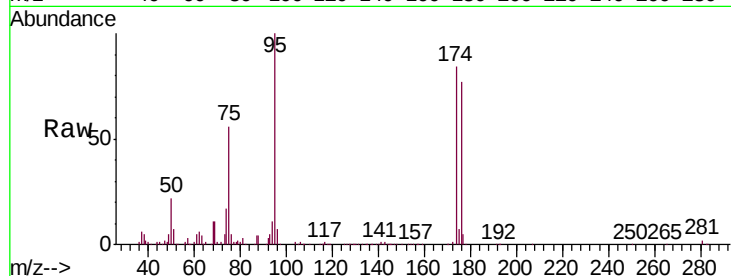
FK-PS-01-057

Tgt Ion: 75 Resp: 57978

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 139.430 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW012685.D

Acq: 06 Sep 2019 12:32

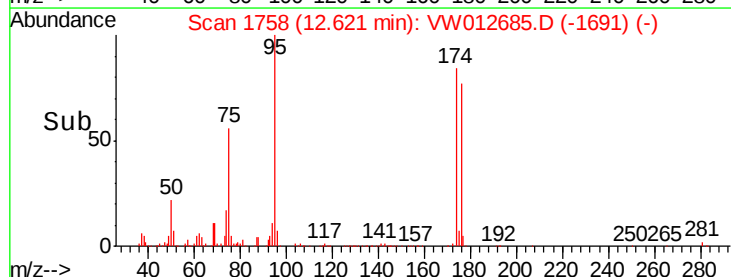
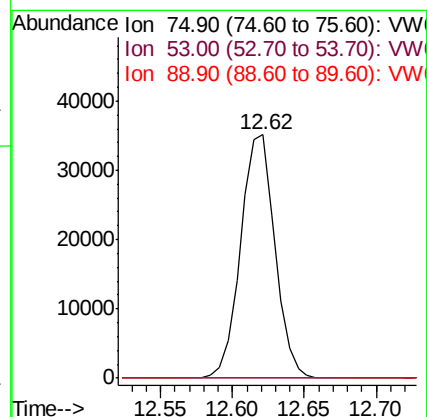
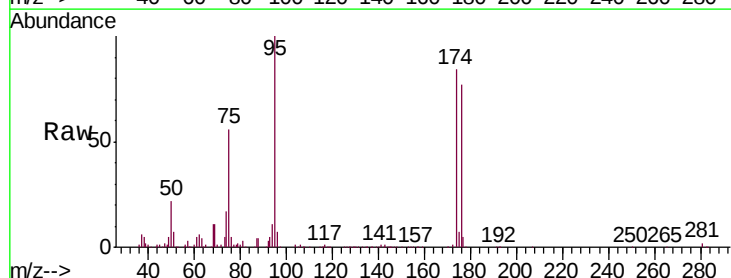
Tgt Ion: 75 Resp: 57978

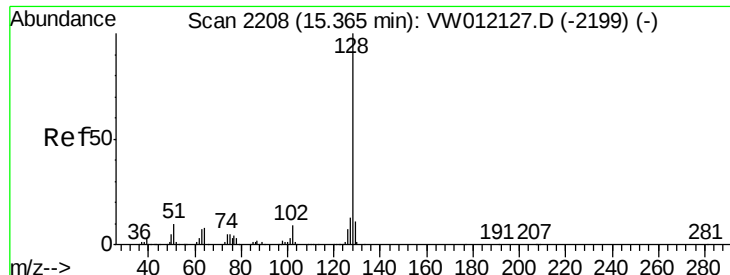
Ion Ratio Lower Upper

75 100

53 0.3 89.4 134.0#

89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 4.590 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012685.D

Acq: 06 Sep 2019 12:32

Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-057

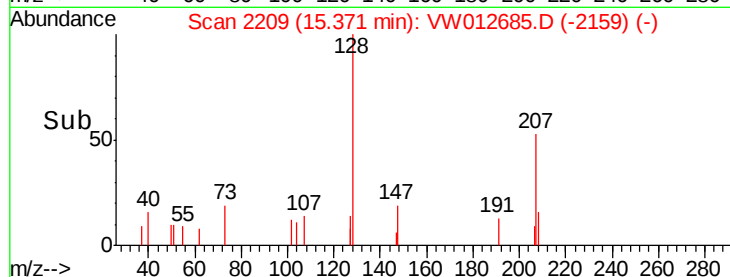
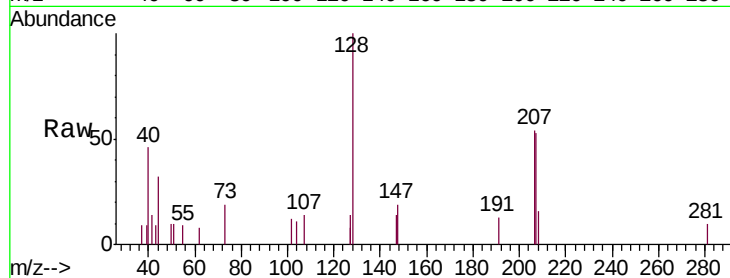
Tgt Ion:128 Resp: 1039

Ion Ratio Lower Upper

128 100

127 18.3 10.7 16.1#

129 8.2 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

