

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101018\
 Data File : VW005960.D
 Acq On : 10 Oct 2018 01:23
 Operator : SY/AP
 Sample : J5326-39
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FL-PH-3-STONE

Quant Time: Oct 10 03:00:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 02:14:04 2018
 Response via : Initial Calibration

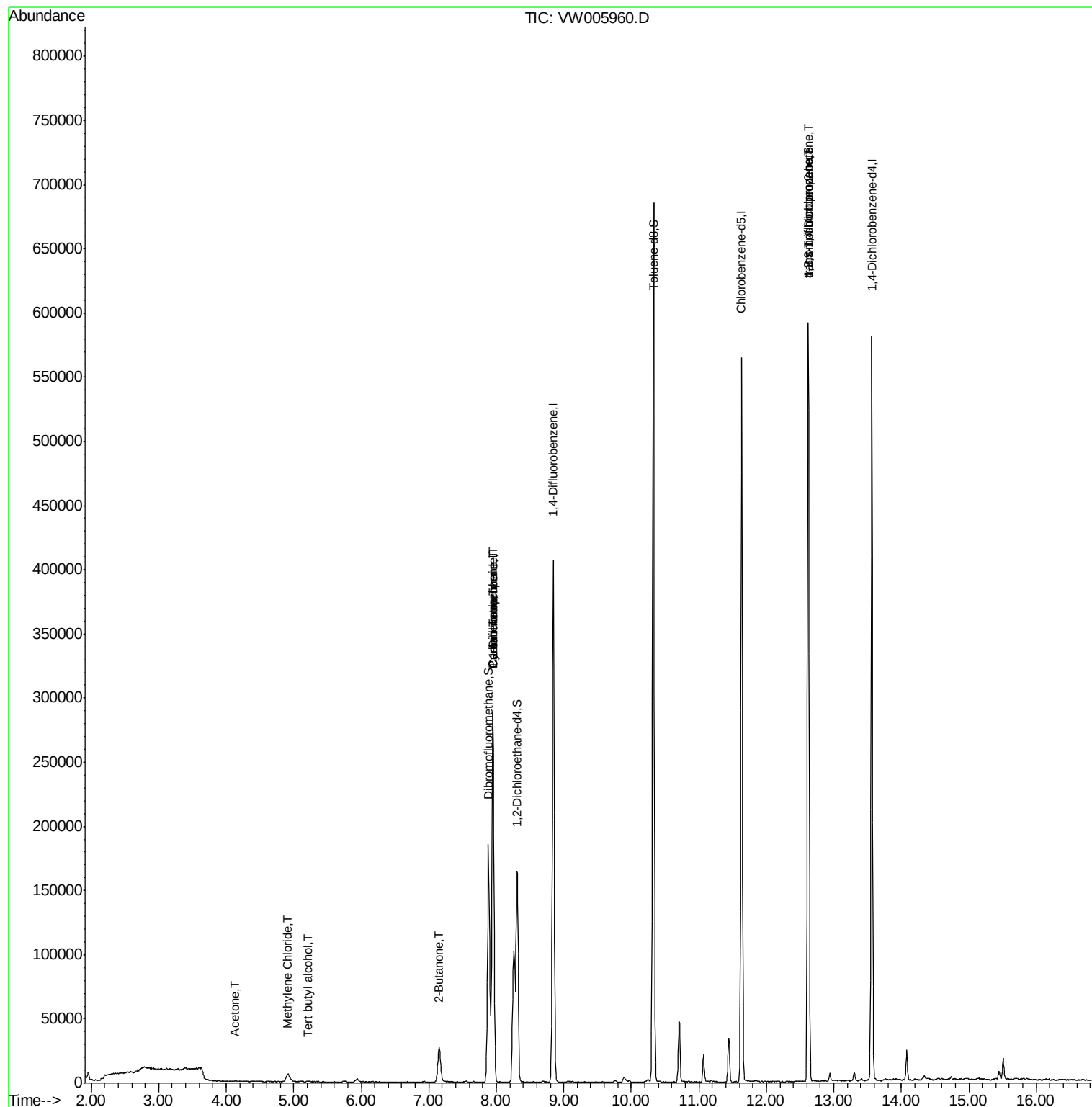
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	234064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	360432	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	319760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	157768	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	129719	57.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.18%	
35) Dibromofluoromethane	7.88	113	127977	55.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.22%	
50) Toluene-d8	10.33	98	476345	53.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.60%	
62) 4-Bromofluorobenzene	12.62	95	170765	50.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.38%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.20	59	416	2.498	ug/l #	74
16) Acetone	4.13	43	1144	2.521	ug/l #	84
20) Methylene Chloride	4.90	84	5702	2.508	ug/l #	84
25) 2-Butanone	7.15	43	1863	2.886	ug/l	93
31) Cyclohexane	7.95	56	4800	1.207	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	15655	4.533	ug/l #	49
38) Carbon Tetrachloride	7.95	117	20793	5.604	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	87036	61.758	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	87036	130.378	ug/l #	11

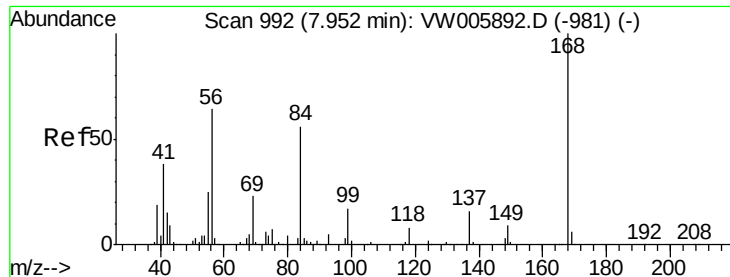
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW101018\
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QLast Update : Tue Oct 09 02:14:04 2018
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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: VW005960.D

Acq: 10 Oct 2018 01:23

Instrument :

MSVOA_W

ClientSampleId :

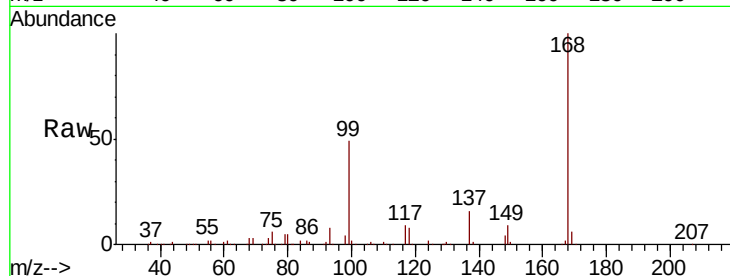
FL-PH-3-STONE

Tgt Ion: 168 Resp: 234064

Ion Ratio Lower Upper

168 100

99 49.4 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

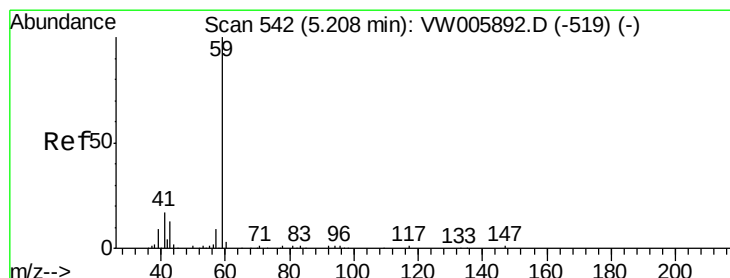
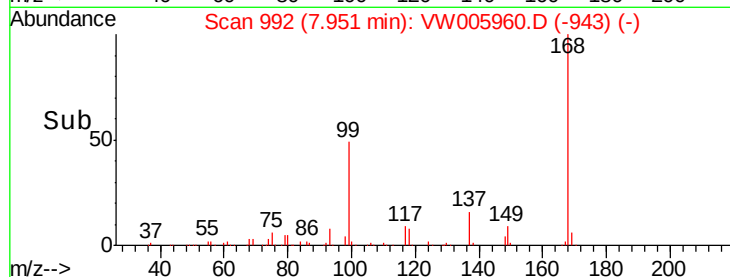
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 2.498 ug/l

RT: 5.20 min Scan# 541

Delta R.T. -0.01 min

Lab File: VW005960.D

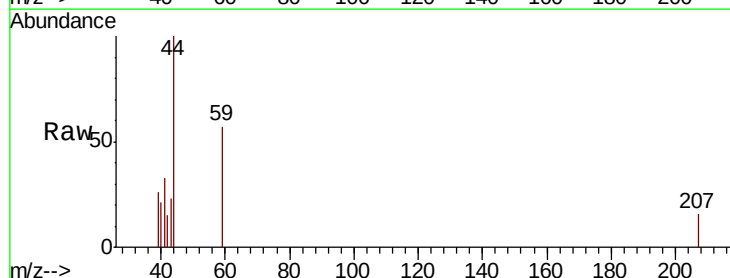
Acq: 10 Oct 2018 01:23

Tgt Ion: 59 Resp: 416

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

250

200

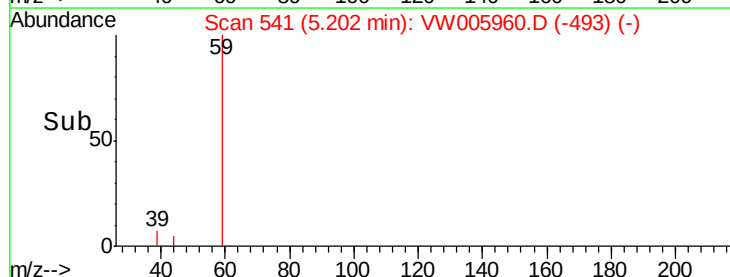
150

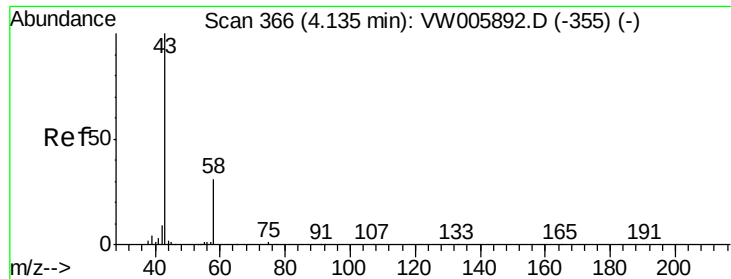
100

50

0

Time--> 5.20 5.25





#16

Acetone

Concen: 2.521 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW005960.D

Acq: 10 Oct 2018 01:23

Instrument :

MSVOA_W

ClientSampleId :

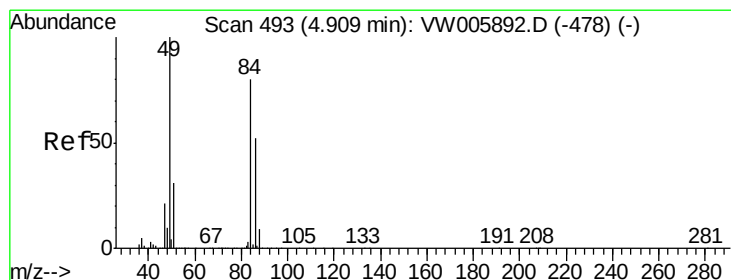
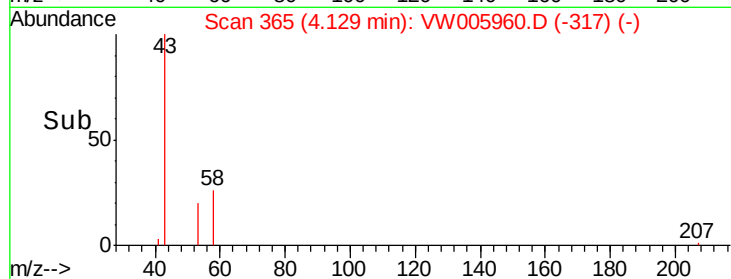
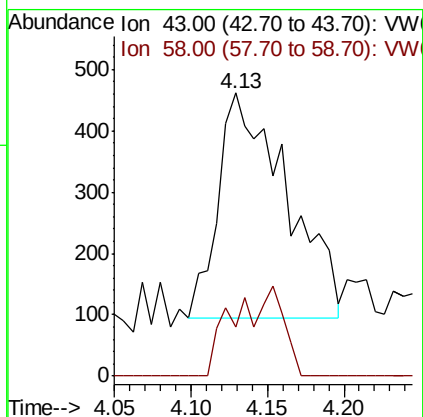
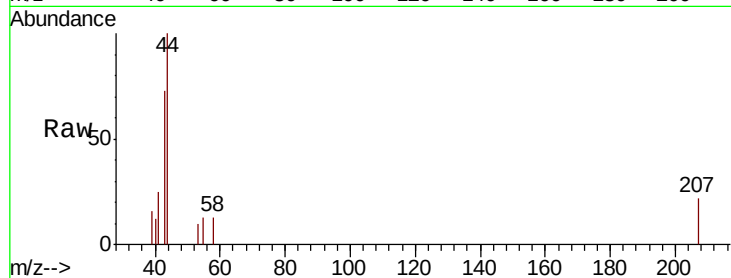
FL-PH-3-STONE

Tgt Ion: 43 Resp: 1144

Ion Ratio Lower Upper

43 100

58 22.0 24.7 37.1#



#20

Methylene Chloride

Concen: 2.508 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW005960.D

Acq: 10 Oct 2018 01:23

Tgt Ion: 84 Resp: 5702

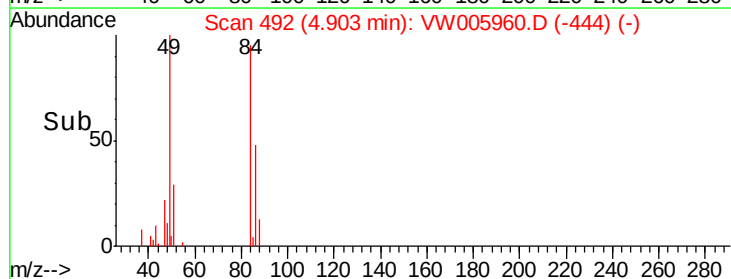
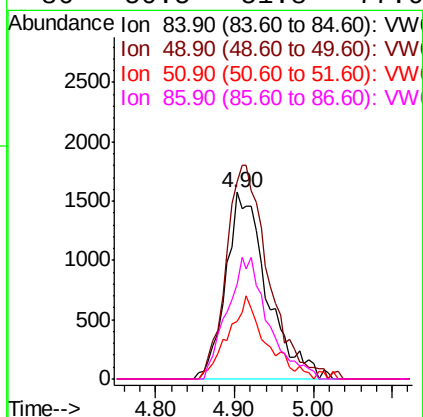
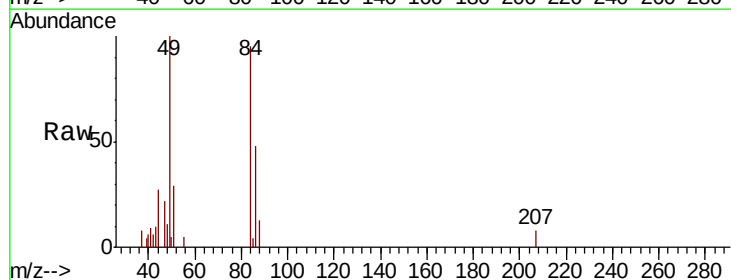
Ion Ratio Lower Upper

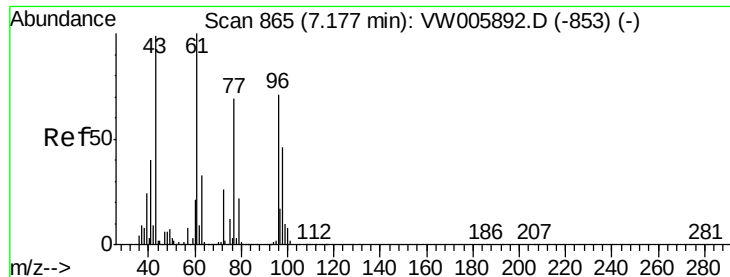
84 100

49 105.8 99.9 149.9

51 31.2 31.1 46.7

86 50.5 51.8 77.6#





#25

2-Butanone

Concen: 2.886 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW005960.D

Acq: 10 Oct 2018 01:23

Instrument :

MSVOA_W

ClientSampleId :

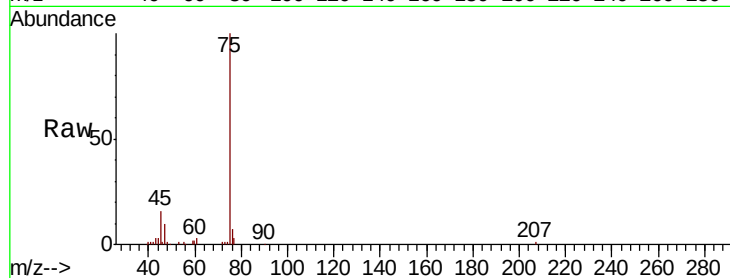
FL-PH-3-STONE

Tgt Ion: 43 Resp: 1863

Ion Ratio Lower Upper

43 100

72 22.8 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.15

600

500

400

300

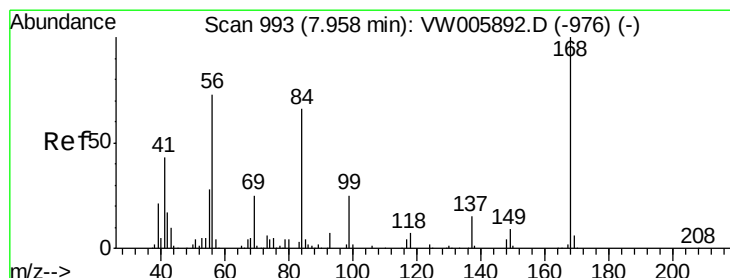
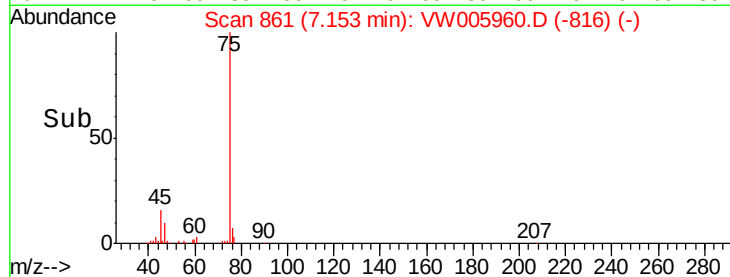
200

100

0

7.10 7.15 7.20 7.25

Time-->



#31

Cyclohexane

Concen: 1.207 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW005960.D

Acq: 10 Oct 2018 01:23

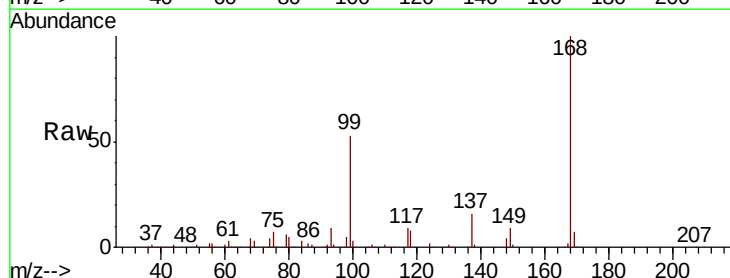
Tgt Ion: 56 Resp: 4800

Ion Ratio Lower Upper

56 100

69 159.6 27.9 41.9#

84 135.7 72.3 108.5#



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

4000

3000

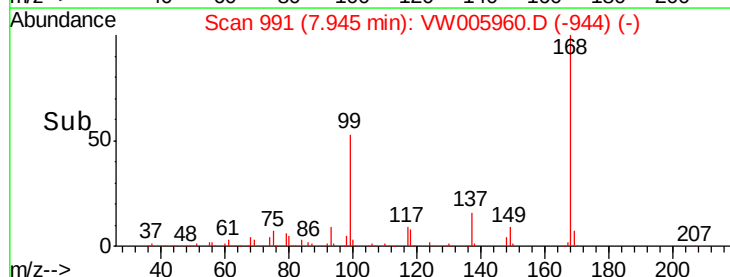
2000

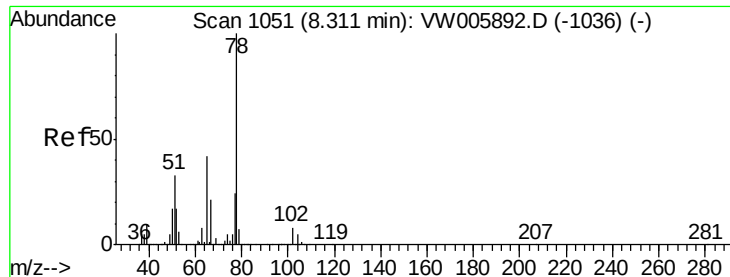
1000

0

7.85 7.90 7.95 8.00 8.05

Time-->

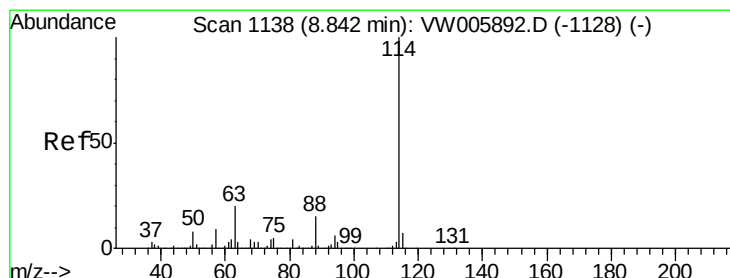
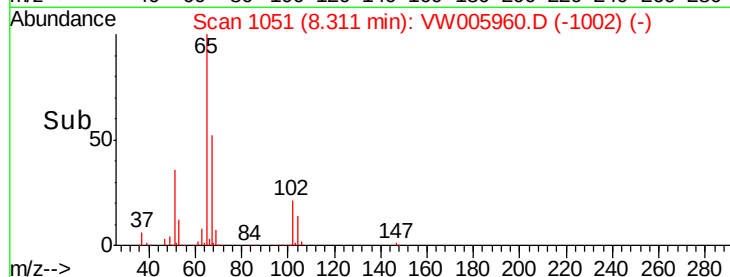
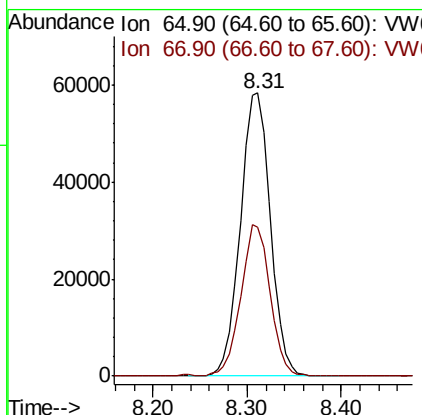
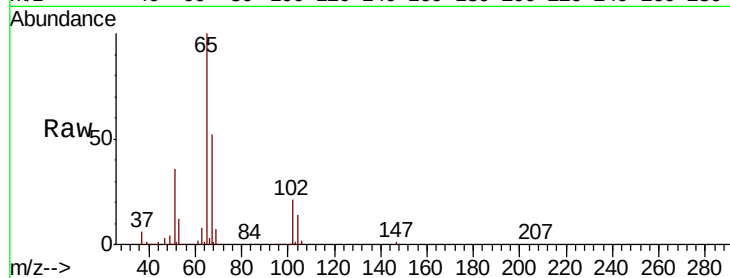




#33
 1,2-Dichloroethane-d4
 Concen: 57.089 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005960.D
 Acq: 10 Oct 2018 01:23

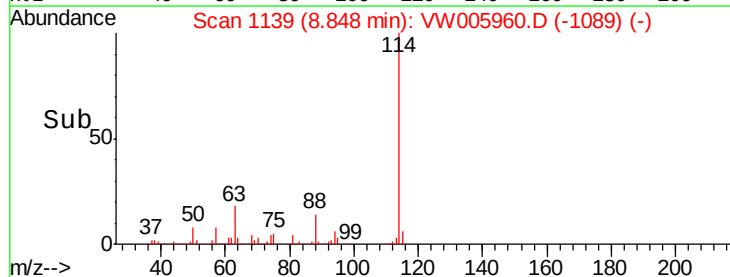
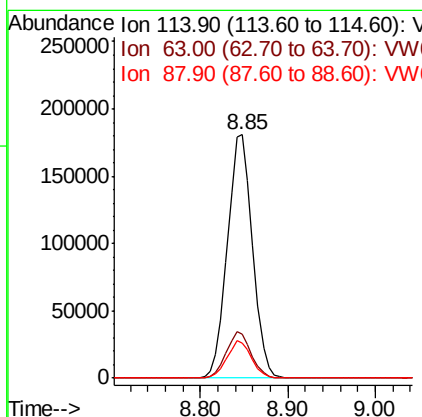
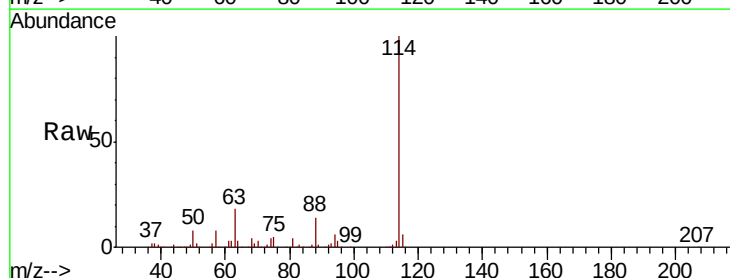
Instrument :
 MSVOA_W
 ClientSampleId :
 FL-PH-3-STONE

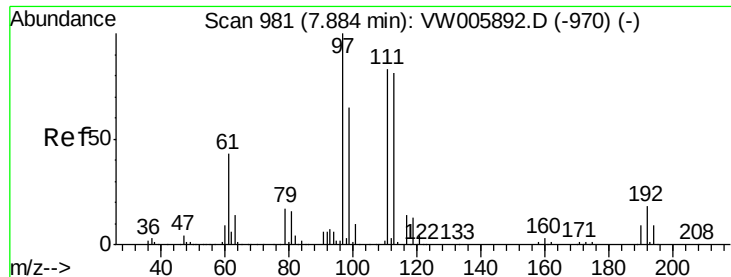
Tgt Ion: 65 Resp: 129719
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW005960.D
 Acq: 10 Oct 2018 01:23

Tgt Ion: 114 Resp: 360432
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 39.2
 88 14.4 0.0 30.8





#35

Dibromofluoromethane

Concen: 55.613 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW005960.D

Acq: 10 Oct 2018 01:23

Instrument :
MSVOA_W
ClientSampleId :
FL-PH-3-STONE

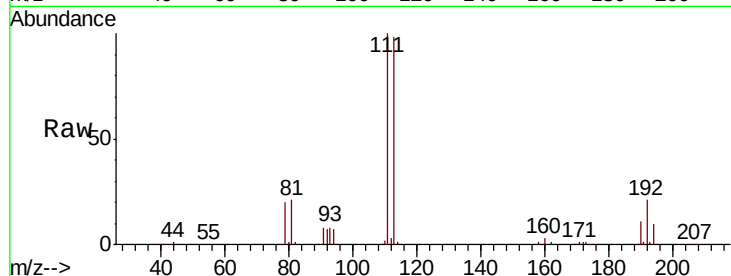
Tgt Ion:113 Resp: 127977

Ion Ratio Lower Upper

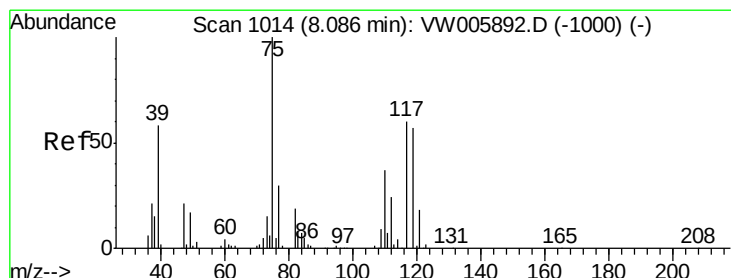
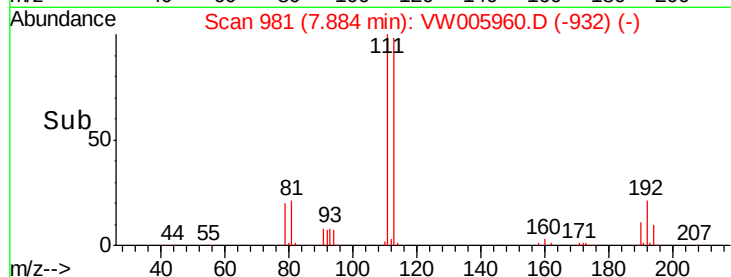
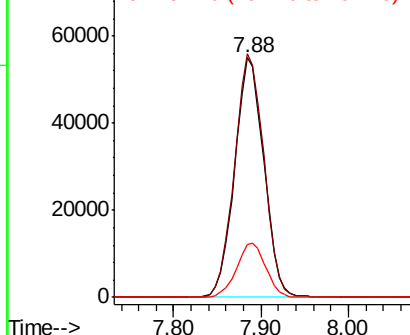
113 100

111 102.3 82.0 123.0

192 22.4 18.3 27.5



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: 4.533 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW005960.D

Acq: 10 Oct 2018 01:23

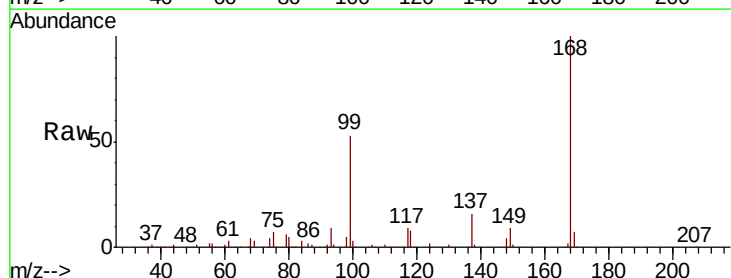
Tgt Ion: 75 Resp: 15655

Ion Ratio Lower Upper

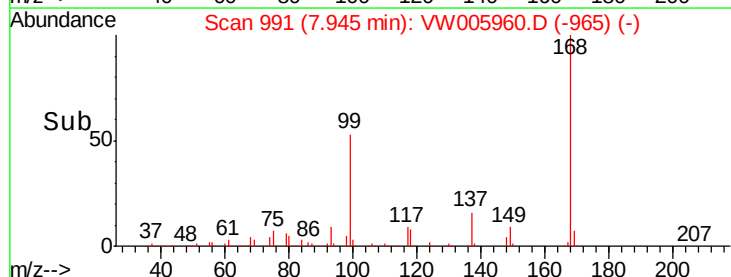
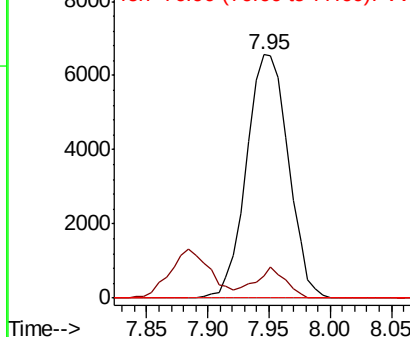
75 100

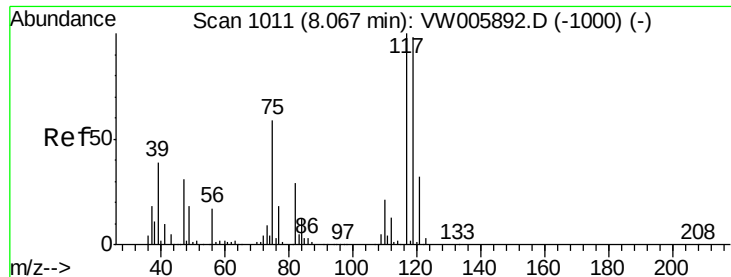
110 9.5 18.6 56.0#

77 0.0 24.7 37.1#



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: 5.604 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW005960.D

Acq: 10 Oct 2018 01:23

Instrument :

MSVOA_W

ClientSampleId :

FL-PH-3-STONE

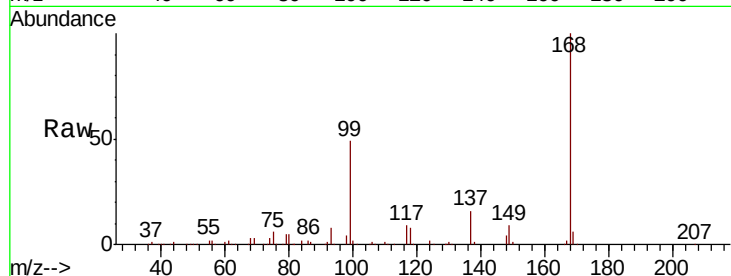
Tgt Ion:117 Resp: 20793

Ion Ratio Lower Upper

117 100

119 4.5 78.6 117.8#

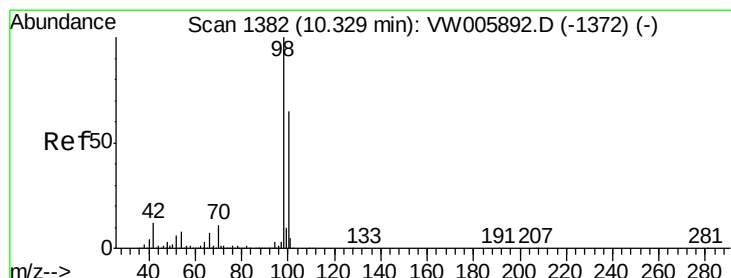
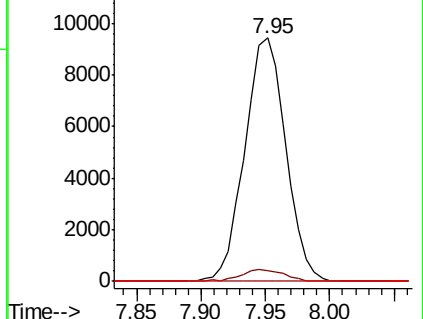
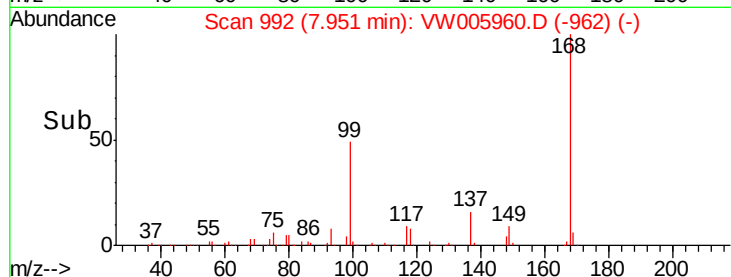
121 0.0 25.3 37.9#



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: 53.802 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005960.D

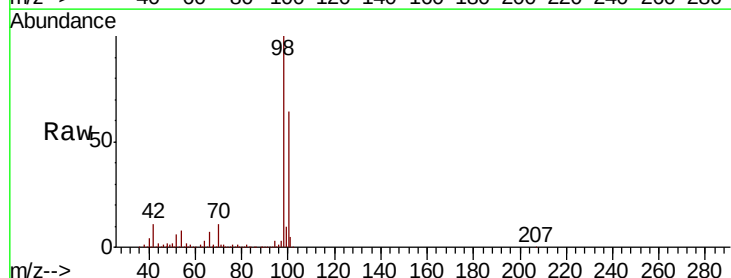
Acq: 10 Oct 2018 01:23

Tgt Ion: 98 Resp: 476345

Ion Ratio Lower Upper

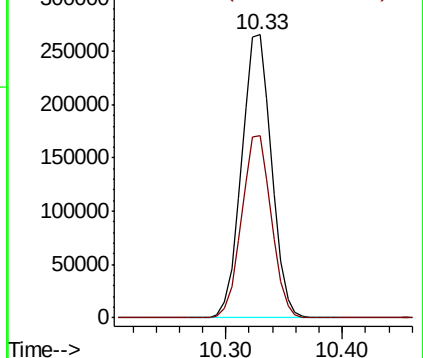
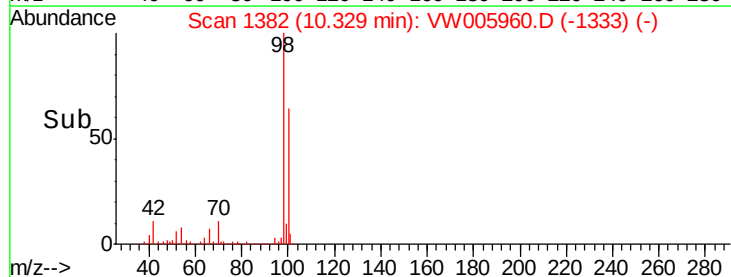
98 100

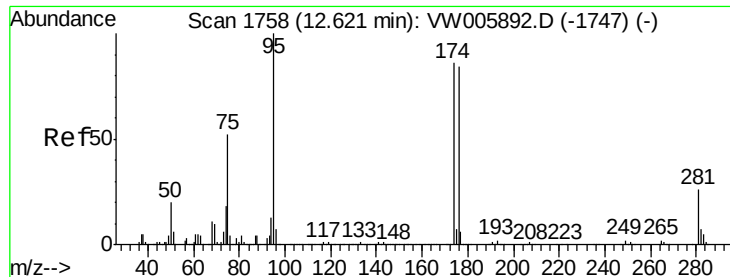
100 64.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

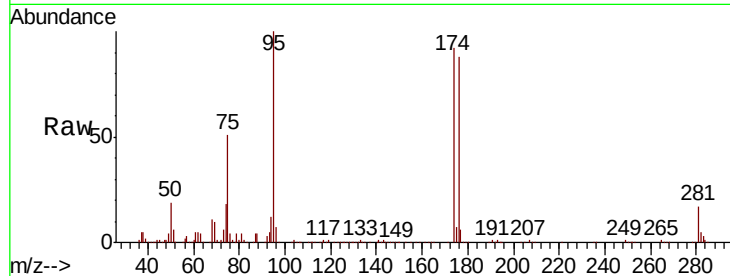




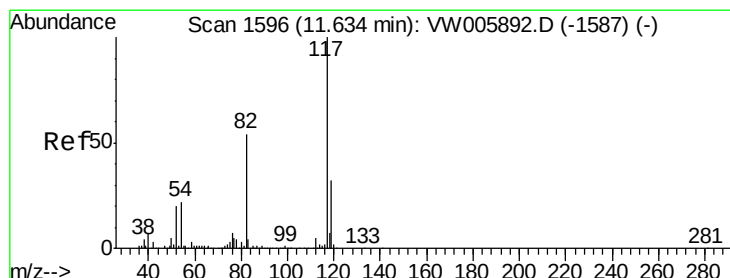
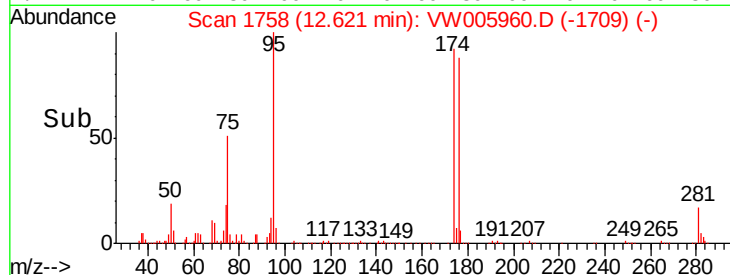
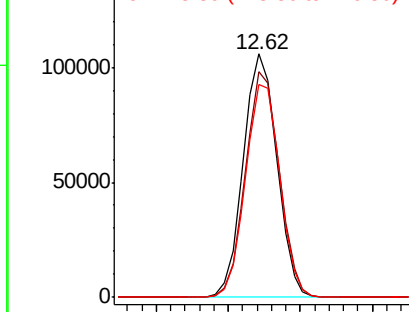
#62
4-Bromofluorobenzene
Concen: 50.694 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW005960.D
Acq: 10 Oct 2018 01:23

Instrument :
MSVOA_W
ClientSampleId :
FL-PH-3-STONE

Tgt Ion: 95 Resp: 170765
Ion Ratio Lower Upper
95 100
174 92.9 0.0 176.4
176 89.3 0.0 173.0

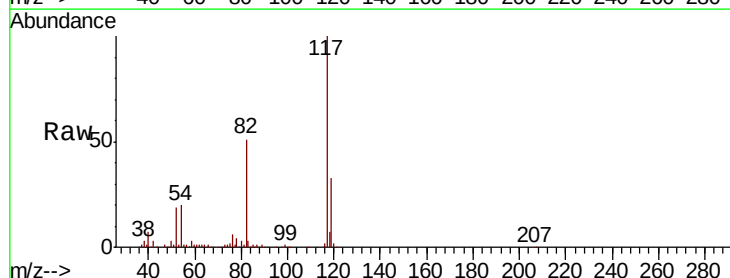


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

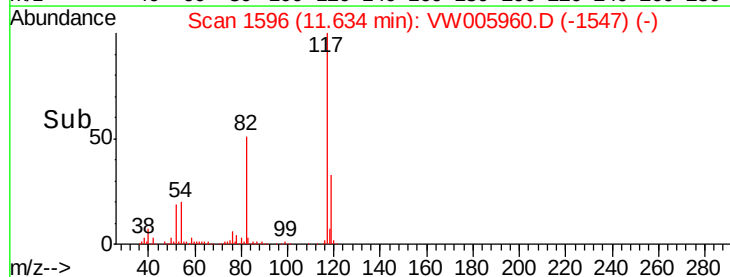
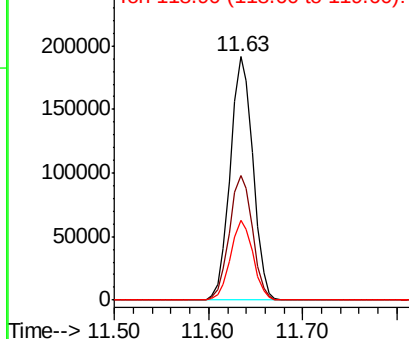


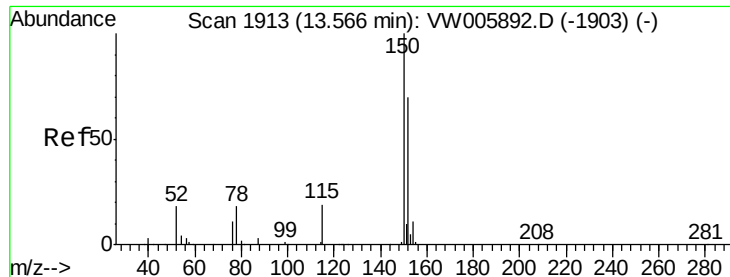
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005960.D
Acq: 10 Oct 2018 01:23

Tgt Ion: 117 Resp: 319760
Ion Ratio Lower Upper
117 100
82 51.4 43.5 65.3
119 32.7 25.4 38.2



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



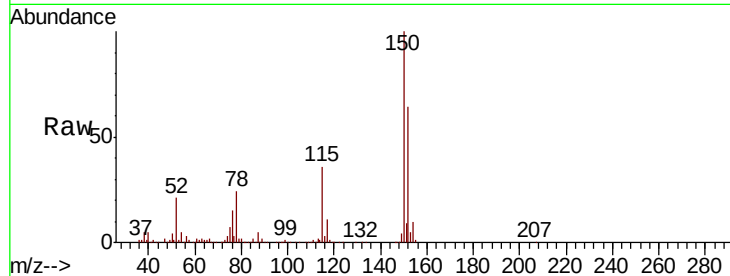


#72

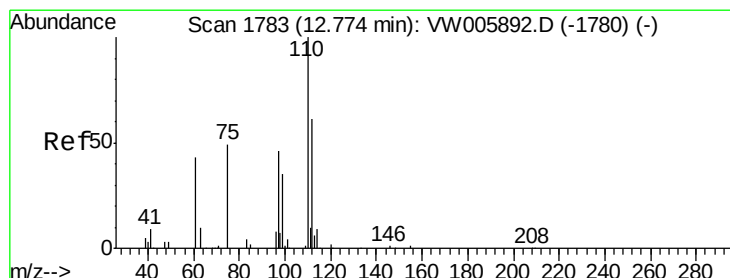
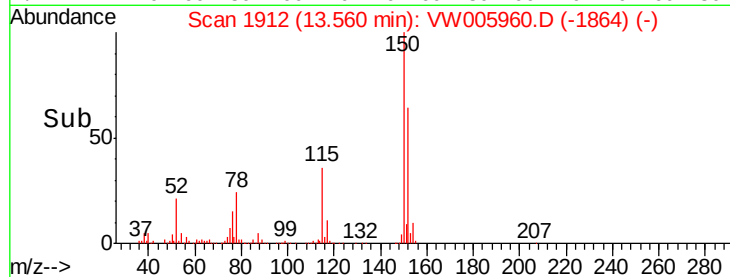
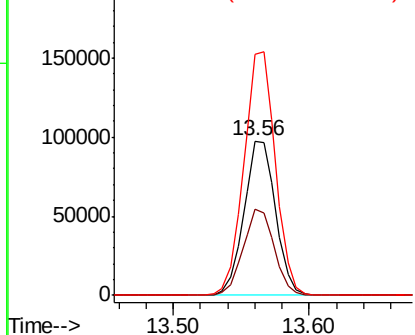
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.01 min
Lab File: VW005960.D
Acq: 10 Oct 2018 01:23

Instrument :
MSVOA_W
ClientSampleId :
FL-PH-3-STONE

Tgt Ion: 152 Resp: 157768
Ion Ratio Lower Upper
152 100
115 55.1 28.3 85.0
150 157.6 0.0 349.2



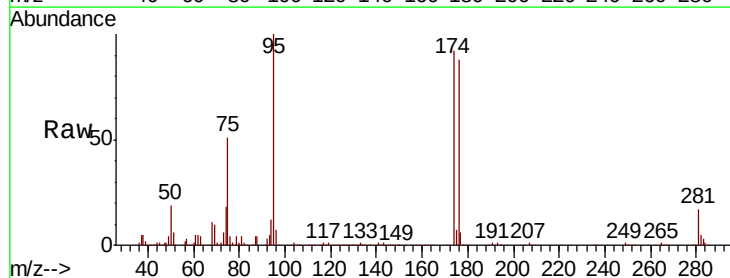
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



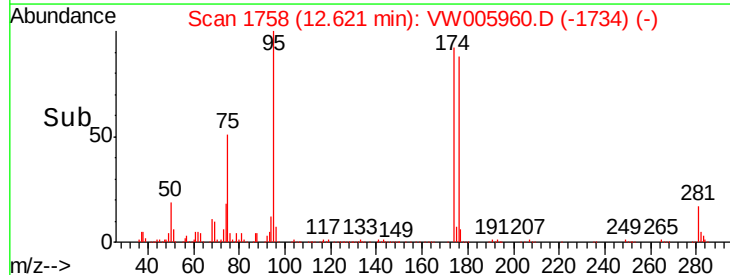
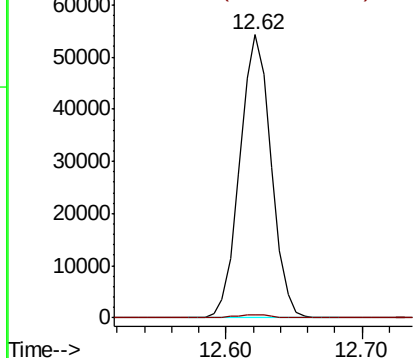
#76

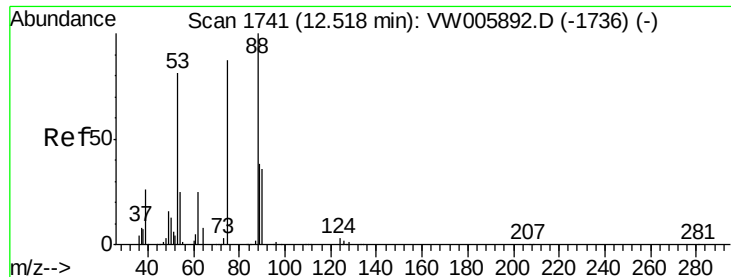
1,2,3-Trichloropropane
Concen: 61.758 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW005960.D
Acq: 10 Oct 2018 01:23

Tgt Ion: 75 Resp: 87036
Ion Ratio Lower Upper
75 100
77 1.2 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: 130.378 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005960.D

Acq: 10 Oct 2018 01:23

Instrument :

MSVOA_W

ClientSampleId :

FL-PH-3-STONE

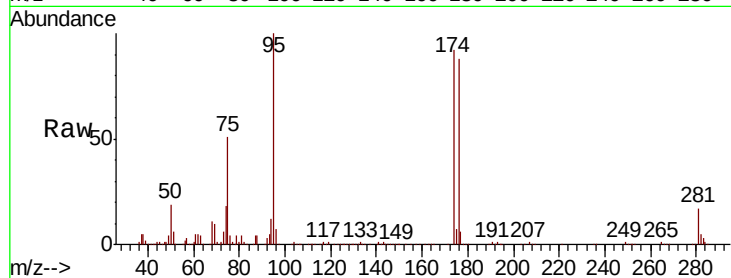
Tgt Ion: 75 Resp: 87036

Ion Ratio Lower Upper

75 100

53 0.0 76.5 114.7#

89 0.2 37.6 56.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

