

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091718\
 Data File : VW005439.D
 Acq On : 17 Sep 2018 17:36
 Operator : SY/AP
 Sample : J4929-01
 Misc : 6.21G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-PIT-6

Quant Time: Sep 18 02:02:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	229735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	346402	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	311076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	122024	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	111584	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	
35) Dibromofluoromethane	7.89	113	92171	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
50) Toluene-d8	10.33	98	392803	44.16	ug/l	0.00
Spiked Amount			Recovery	=	88.32%	
62) 4-Bromofluorobenzene	12.63	95	127826	39.19	ug/l	0.00
Spiked Amount			Recovery	=	78.38%	

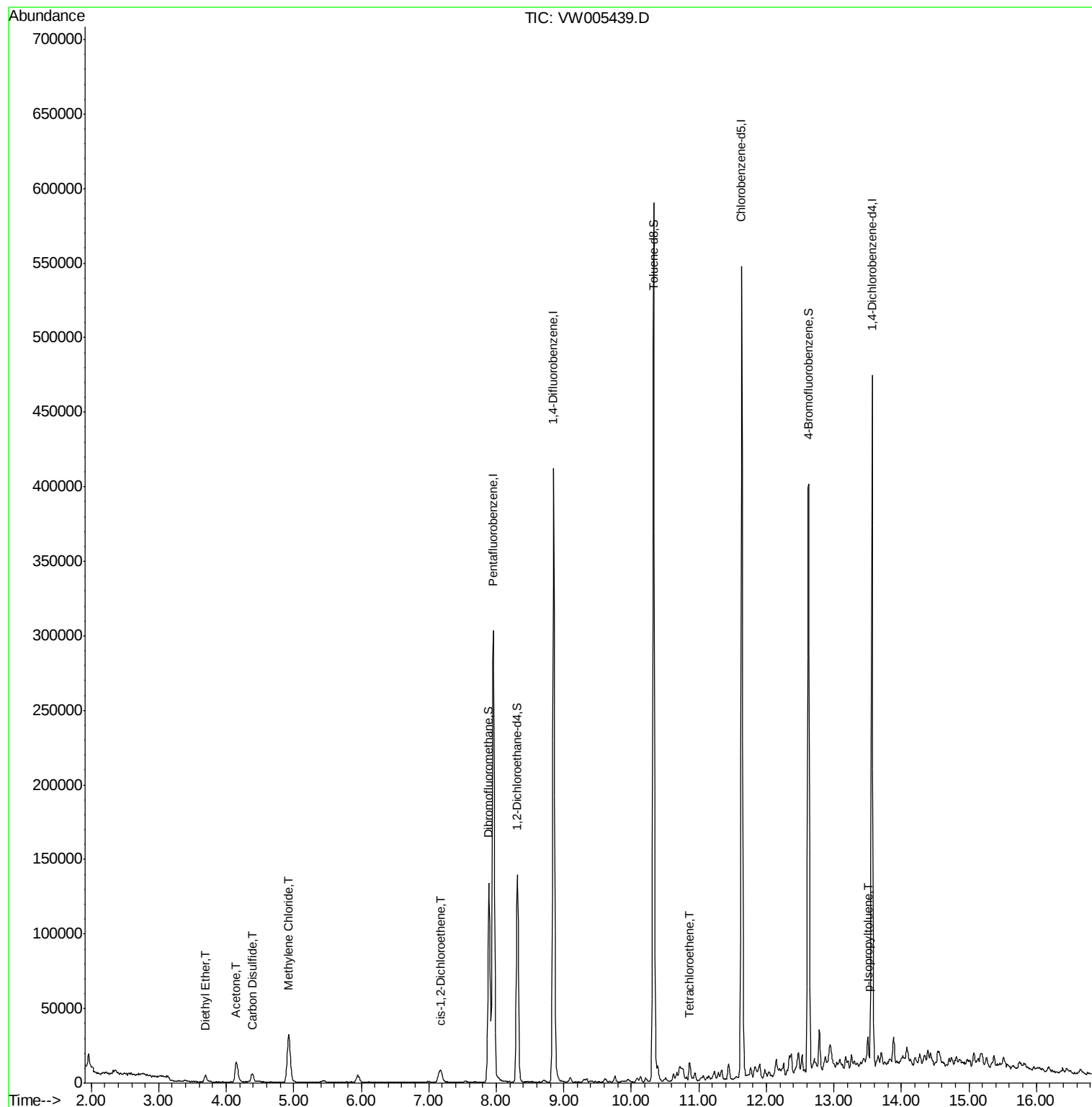
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.70	74	2228	2.23	ug/l	81
16) Acetone	4.15	43	26824	64.88	ug/l	98
17) Carbon Disulfide	4.39	76	11490	1.84	ug/l	99
20) Methylene Chloride	4.93	84	24511	5.22	ug/l	96
27) cis-1,2-Dichloroethene	7.18	96	2472	1.07	ug/l	89
64) Tetrachloroethene	10.87	164	2719	1.18	ug/l #	91
86) p-Isopropyltoluene	13.51	119	11432	1.43	ug/l	97

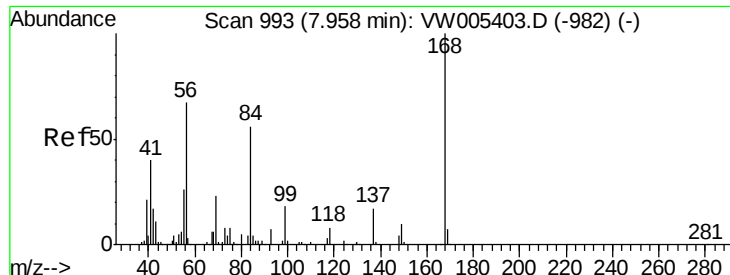
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005439.D

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MSVOA_W

ClientSampleId :

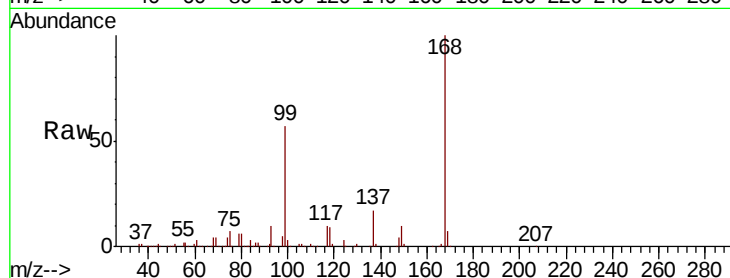
SP-PIT-6

Tot Ion:168 Resp: 229735

Ion Ratio Lower Upper

168 100

99 57.3 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

100000

80000

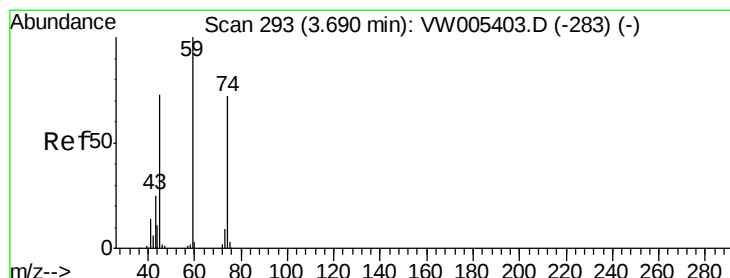
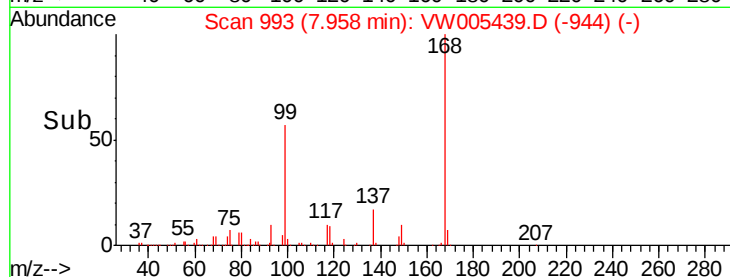
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.23 ug/l

RT: 3.70 min Scan# 294

Delta R.T. 0.01 min

Lab File: VW005439.D

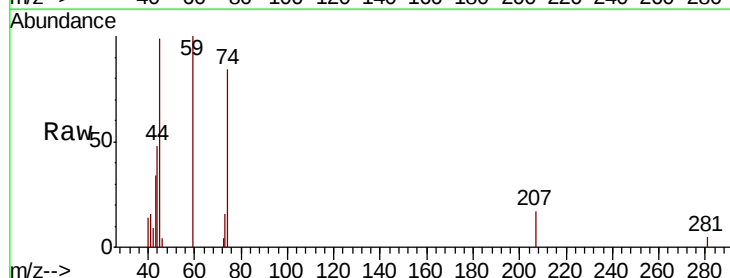
Acq: 17 Sep 2018 17:36

Tgt Ion: 74 Resp: 2228

Ion Ratio Lower Upper

74 100

45 125.4 53.1 159.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

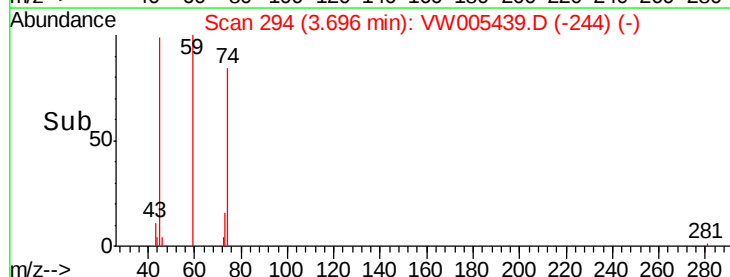
3.70

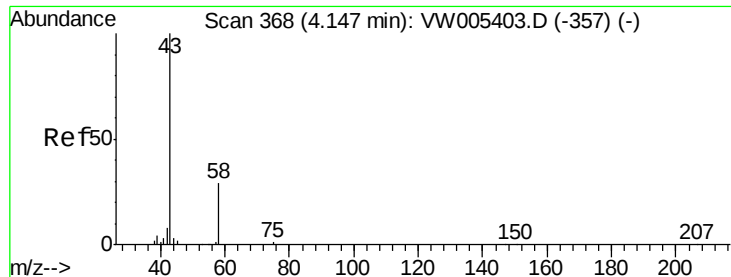
1000

500

0

Time-->





#16

Acetone

Concen: 64.88 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.01 min

Lab File: VW005439.D

Acq: 17 Sep 2018 17:36

Instrument :

MSVOA_W

ClientSampleId :

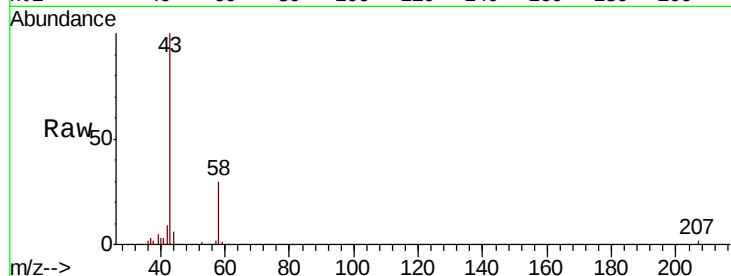
SP-PIT-6

Tot Ion: 43 Resp: 26824

Ion Ratio Lower Upper

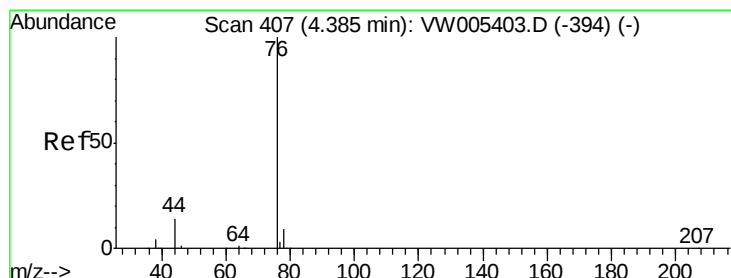
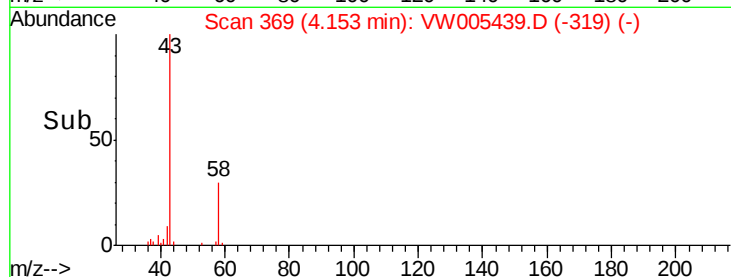
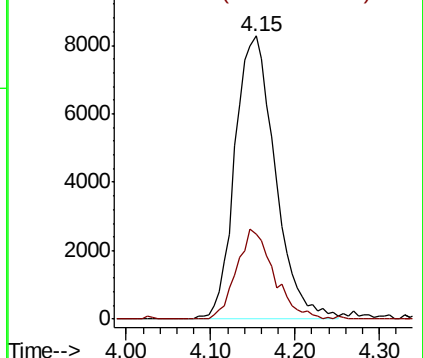
43 100

58 29.8 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 1.84 ug/l

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW005439.D

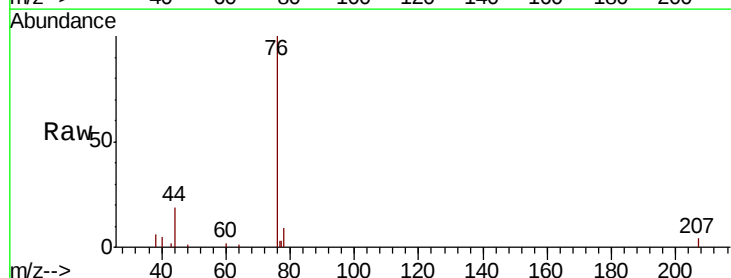
Acq: 17 Sep 2018 17:36

Tgt Ion: 76 Resp: 11490

Ion Ratio Lower Upper

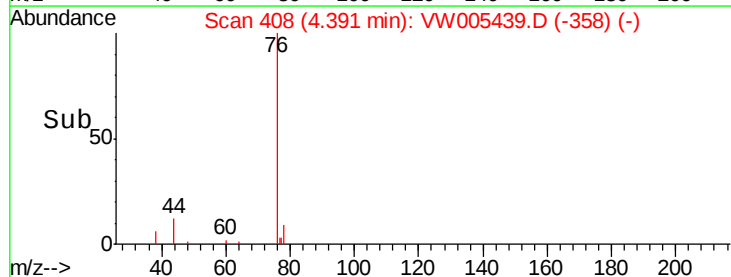
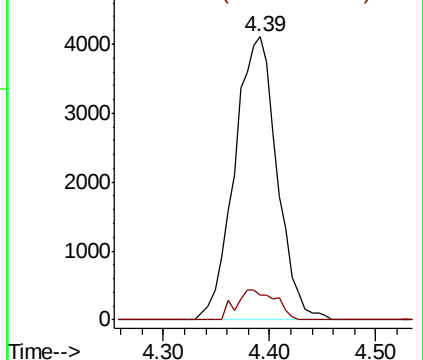
76 100

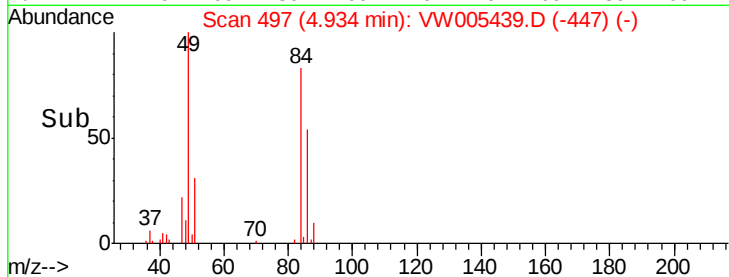
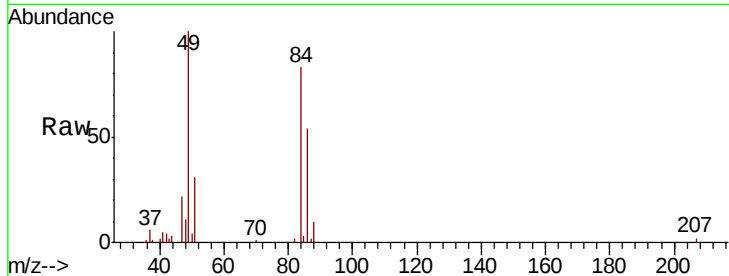
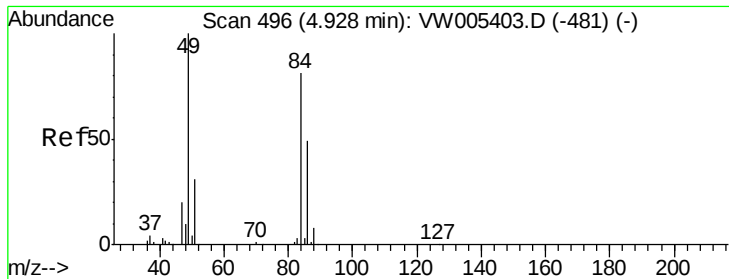
78 8.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW





#20

Methylene Chloride

Concen: 5.22 ug/l

RT: 4.93 min Scan# 497

Delta R.T. 0.01 min

Lab File: VW005439.D

Acq: 17 Sep 2018 17:36

Instrument :

MSVOA_W

ClientSampleId :

SP-PIT-6

Tot Ion: 84 Resp: 24511

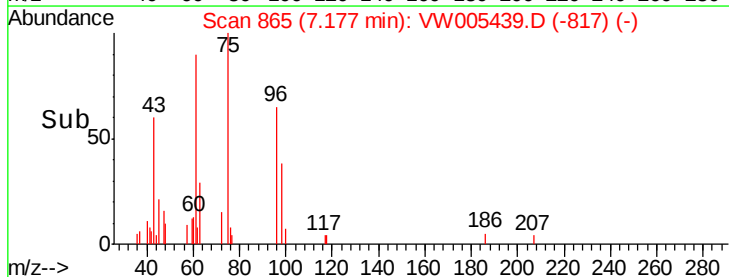
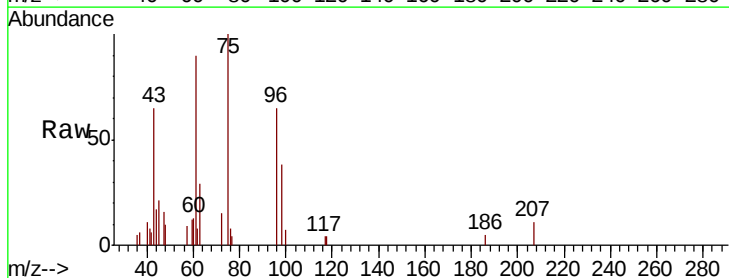
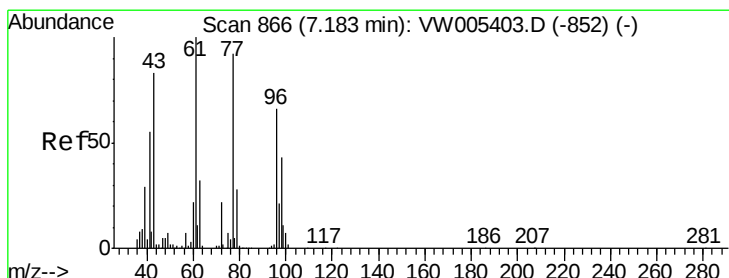
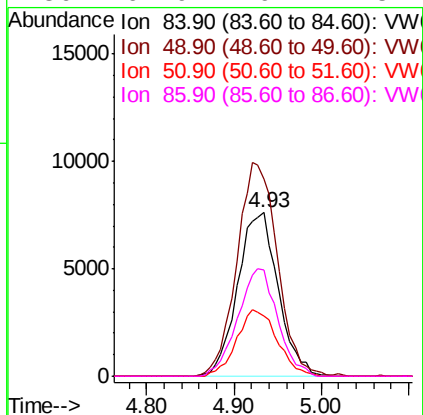
Ion Ratio Lower Upper

84 100

49 120.3 99.3 148.9

51 37.0 31.1 46.7

86 64.9 49.1 73.7



#27

cis-1,2-Dichloroethene

Concen: 1.07 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW005439.D

Acq: 17 Sep 2018 17:36

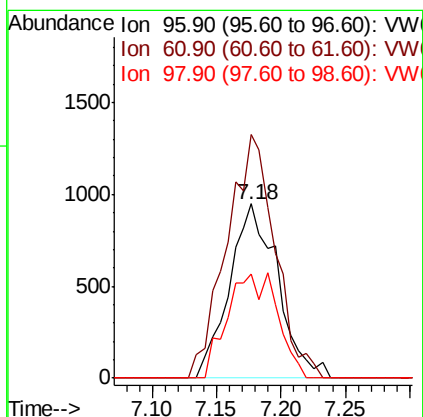
Tgt Ion: 96 Resp: 2472

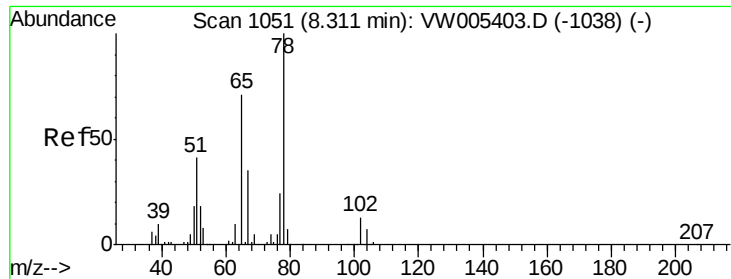
Ion Ratio Lower Upper

96 100

61 139.9 0.0 316.0

98 62.4 0.0 130.8





#33

1,2-Dichloroethane-d4

Concen: 46.79 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005439.D

Acq: 17 Sep 2018 17:36

Instrument :

MSVOA_W

ClientSampleId :

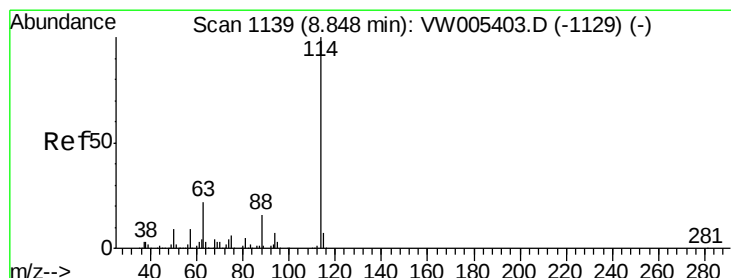
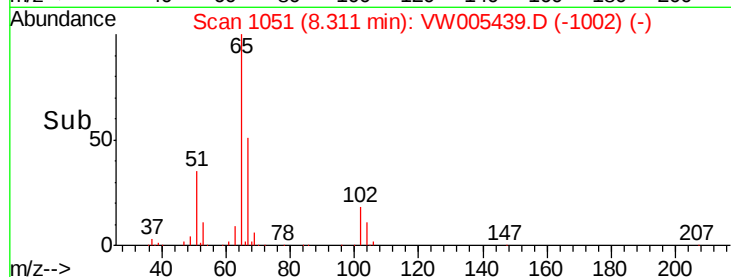
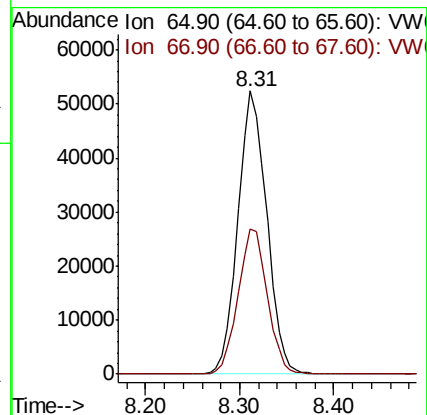
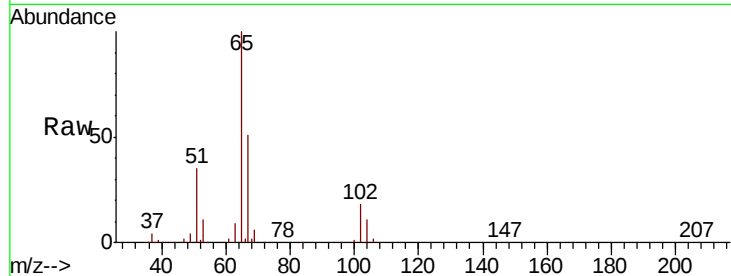
SP-PIT-6

Tot Ion: 65 Resp: 111584

Ion Ratio Lower Upper

65 100

67 52.1 0.0 100.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VW005439.D

Acq: 17 Sep 2018 17:36

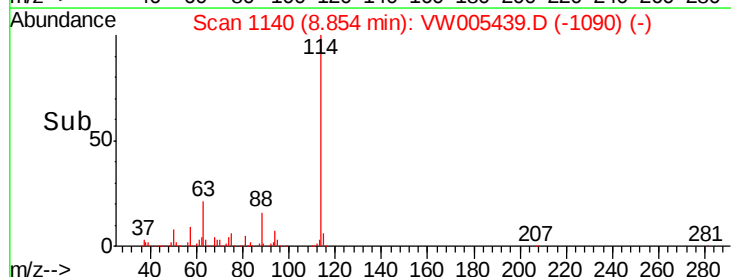
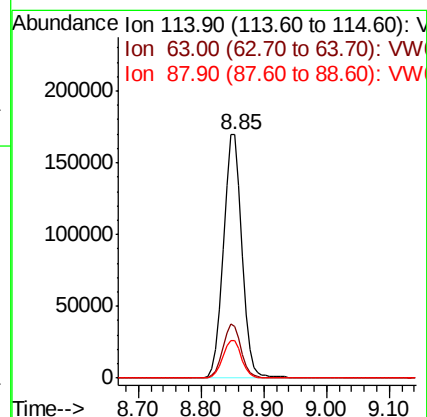
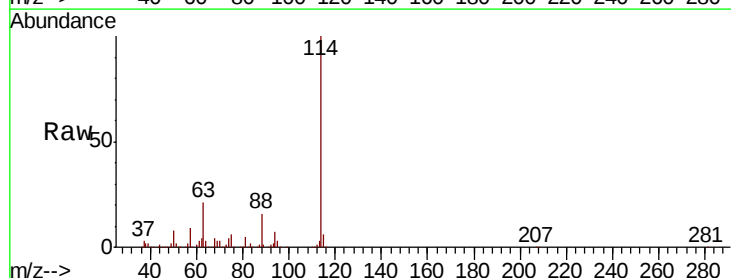
Tgt Ion: 114 Resp: 346402

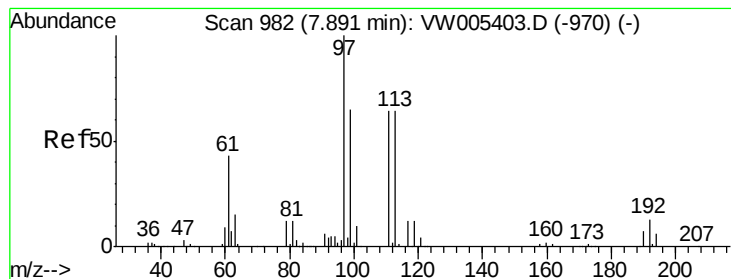
Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.4

88 15.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.46 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW005439.D

Acq: 17 Sep 2018 17:36

Instrument :

MSVOA_W

ClientSampled :

SP-PIT-6

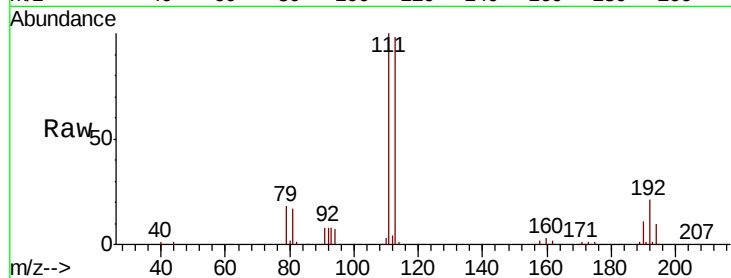
Tot Ion:113 Resp: 92171

Ion Ratio Lower Upper

113 100

111 103.6 82.3 123.5

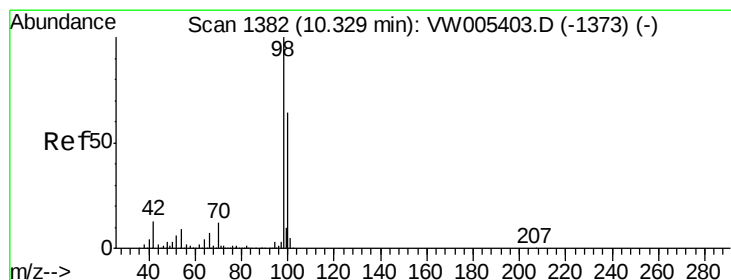
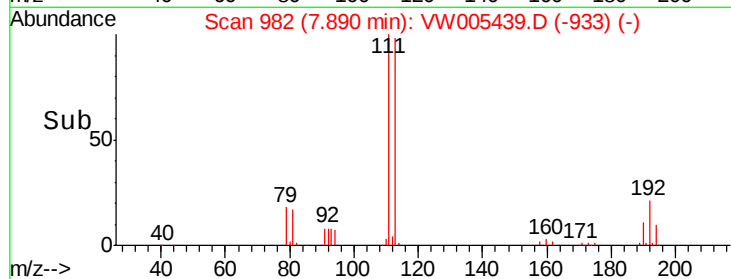
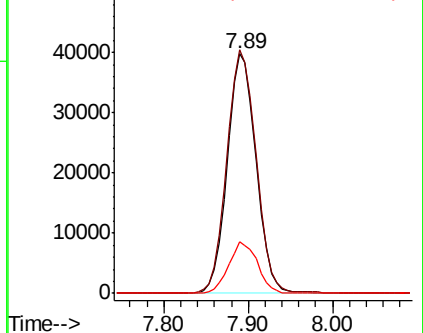
192 21.4 16.5 24.7



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



#50

Toluene-d8

Concen: 44.16 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005439.D

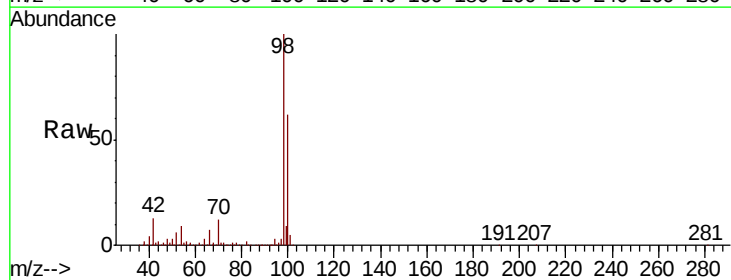
Acq: 17 Sep 2018 17:36

Tgt Ion: 98 Resp: 392803

Ion Ratio Lower Upper

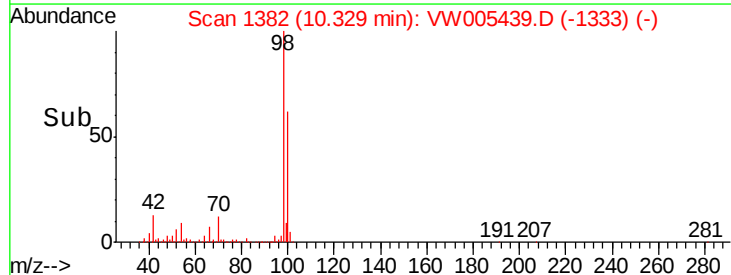
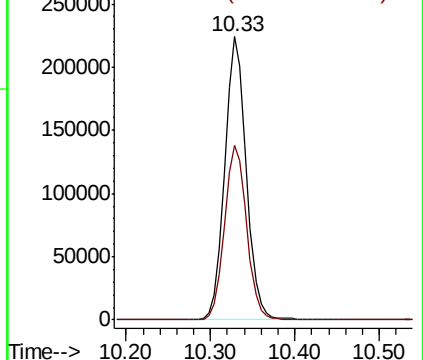
98 100

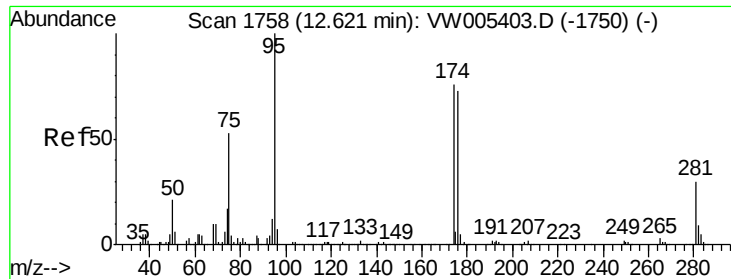
100 63.6 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

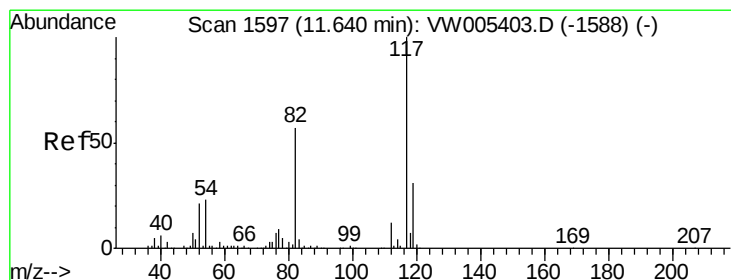
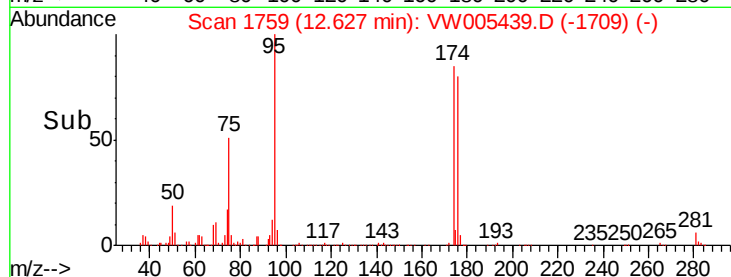
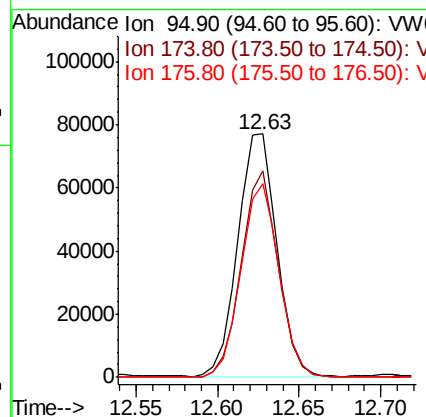
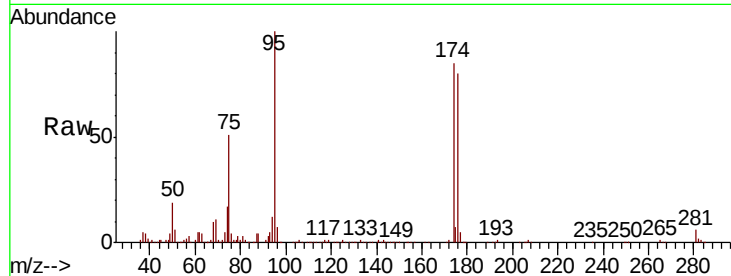




#62
4-Bromofluorobenzene
Concen: 39.19 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.01 min
Lab File: VW005439.D
Acq: 17 Sep 2018 17:36

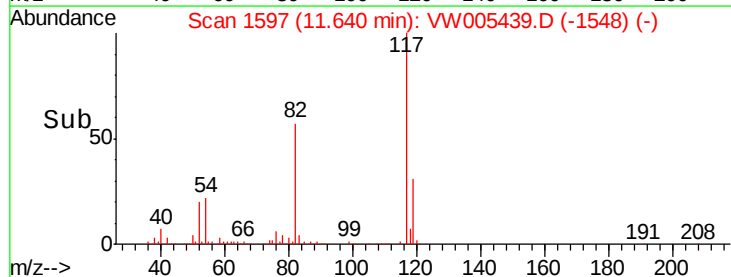
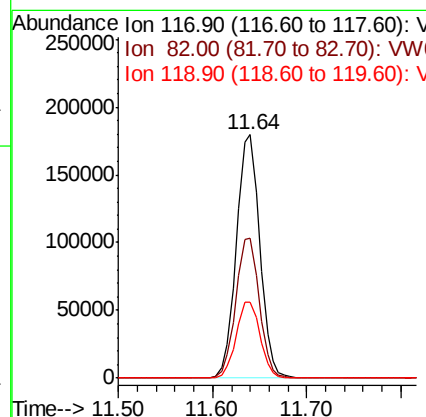
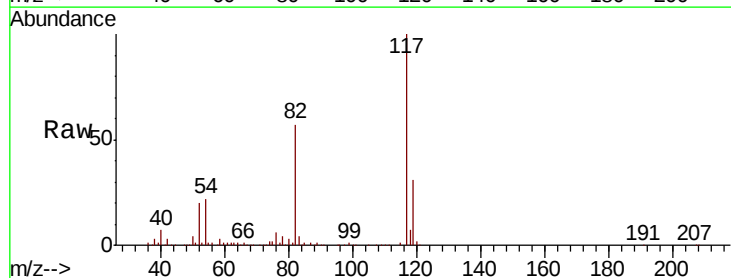
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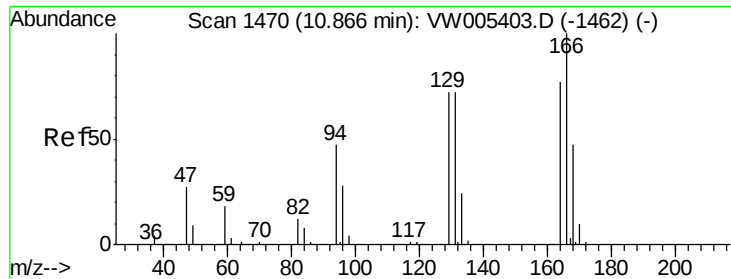
Tot Ion: 95 Resp: 127826
Ion Ratio Lower Upper
95 100
174 80.7 0.0 161.2
176 77.9 0.0 156.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005439.D
Acq: 17 Sep 2018 17:36

Tgt Ion: 117 Resp: 311076
Ion Ratio Lower Upper
117 100
82 57.1 45.9 68.9
119 31.2 24.8 37.2

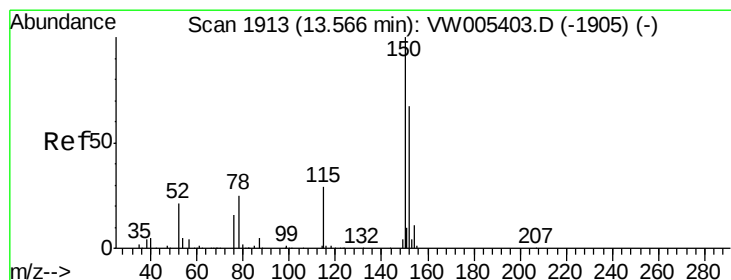
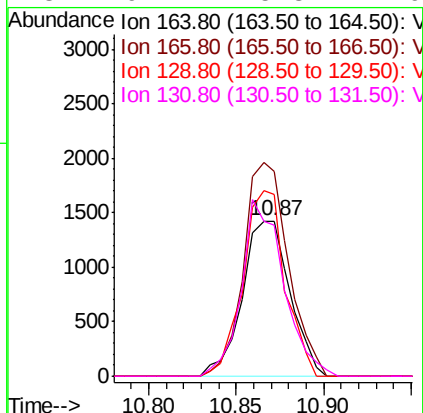
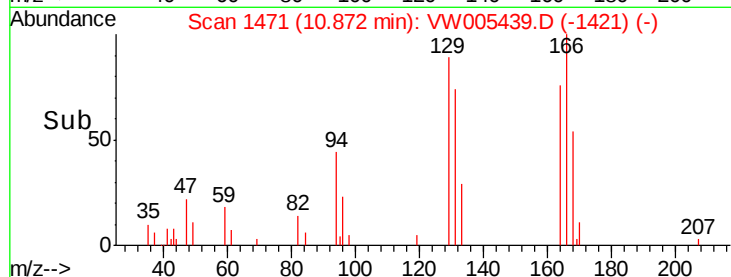
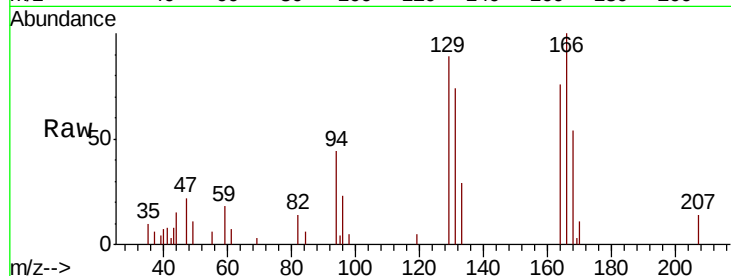




#64
Tetrachloroethene
Concen: 1.18 ug/l
RT: 10.87 min Scan# 1471
Delta R.T. 0.01 min
Lab File: VW005439.D
Acq: 17 Sep 2018 17:36

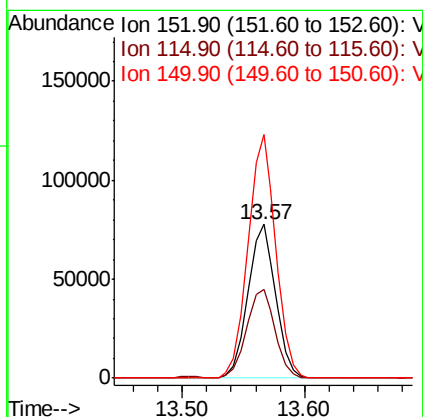
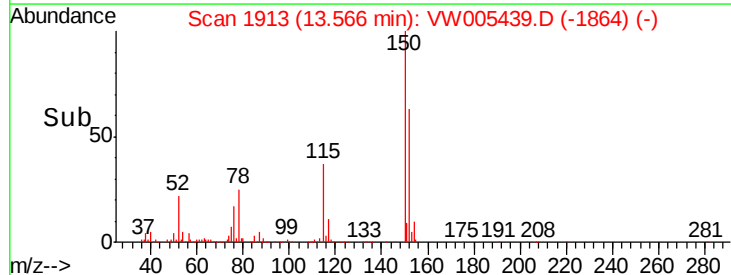
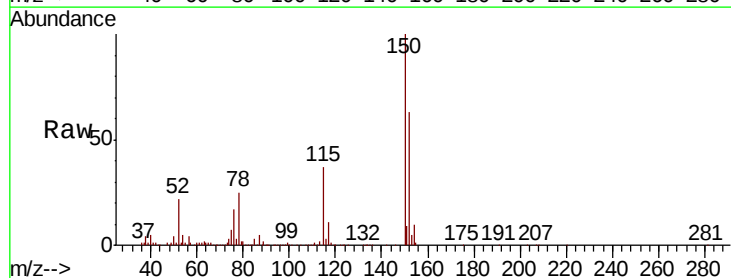
Instrument :
MSVOA_W
ClientSampleId :
SP-PIT-6

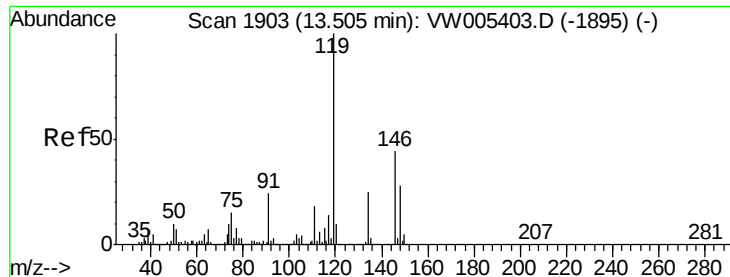
Tot Ion:164 Resp: 2719
Ion Ratio Lower Upper
164 100
166 131.6 104.0 156.0
129 117.0 74.9 112.3#
131 97.1 75.3 112.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005439.D
Acq: 17 Sep 2018 17:36

Tgt Ion:152 Resp: 122024
Ion Ratio Lower Upper
152 100
115 59.6 29.5 88.5
150 158.1 0.0 345.6

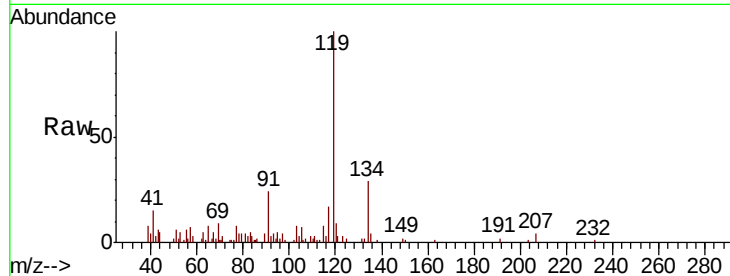




#86
 p-Isopropyltoluene
 Concen: 1.43 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005439.D
 Acq: 17 Sep 2018 17:36

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-PIT-6

Tot Ion	Ion	Ratio	Lower	Upper
119	100			
134	26.5	12.6	37.8	
91	25.7	12.0	36.0	



Abundance

Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

