

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090618\
 Data File : VW005177.D
 Acq On : 06 Sep 2018 20:58
 Operator : SY/AP
 Sample : J4825-17
 Misc : 5.06G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-WS-COMP-17

Quant Time: Sep 07 01:06:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	415760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	641996	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	486583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	303707	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	201815	58.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.12%	
35) Dibromofluoromethane	7.89	113	182543	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
50) Toluene-d8	10.33	98	493017	28.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	57.68%	
62) 4-Bromofluorobenzene	12.62	95	263279	43.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.36%	

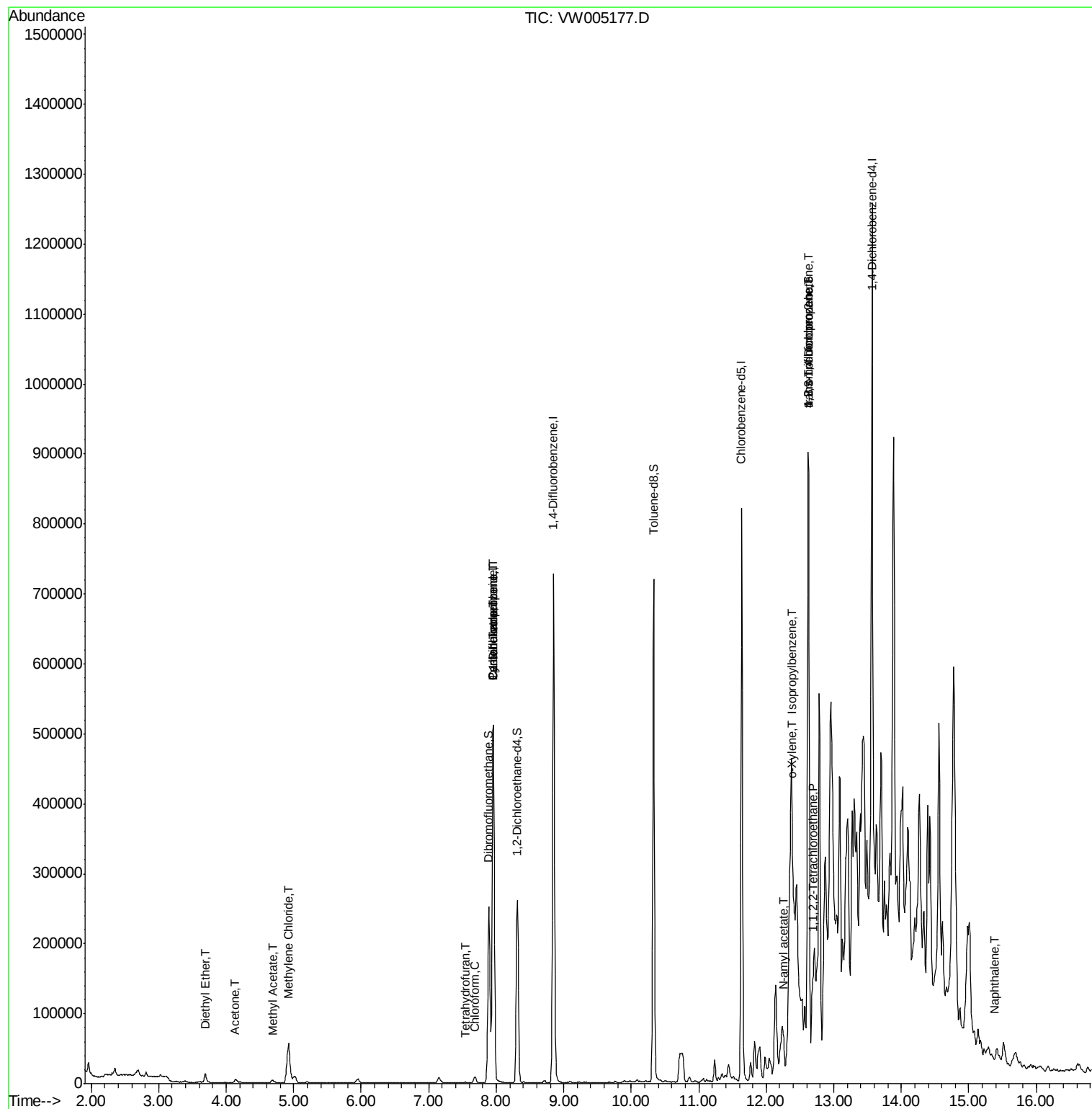
Target Compounds					Qvalue
5) Bromomethane	2.78	94	619	Below Cal	# 23
8) Diethyl Ether	3.69	74	6730	3.497 ug/l	93
11) Tert butyl alcohol	5.18	59	1458	Below Cal	# 93
16) Acetone	4.14	43	9314	13.475 ug/l	92
18) Methyl Acetate	4.69	43	7788	3.830 ug/l	95
20) Methylene Chloride	4.92	84	46770	6.641 ug/l	99
29) Tetrahydrofuran	7.55	42	995	1.624 ug/l	# 78
30) Chloroform	7.68	83	7747	1.098 ug/l	97
31) Cyclohexane	7.96	56	7403	1.094 ug/l	# 1
36) 1,1-Dichloropropene	7.95	75	28643	4.685 ug/l	# 48
38) Carbon Tetrachloride	7.96	117	37618	6.471 ug/l	# 17
69) o-Xylene	12.39	106	11363	1.658 ug/l	# 1
73) Isopropylbenzene	12.38	105	78364	3.659 ug/l	# 61
74) N-amyl acetate	12.26	43	17121	4.643 ug/l	# 39
75) 1,1,2,2-Tetrachloroethane	12.69	83	12234	3.753 ug/l	# 25
76) 1,2,3-Trichloropropane	12.62	75	119318	52.339 ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.62	75	119318	125.975 ug/l	# 16
95) Naphthalene	15.38	128	2711	4.207 ug/l	# 78

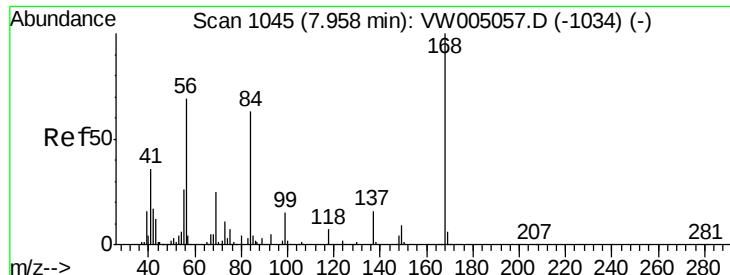
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005177.D

Acq: 06 Sep 2018 20:58

Instrument :

MSVOA_W

ClientSampleId :

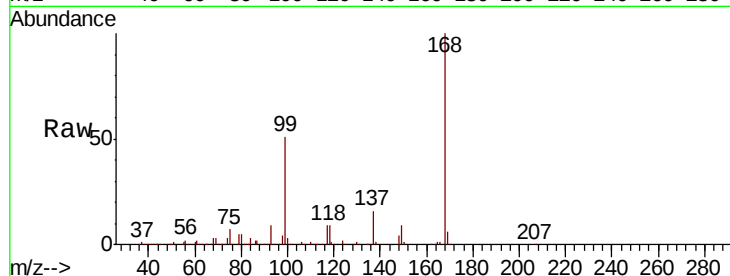
EP1-WS-COMP-17

Tgt Ion:168 Resp: 415760

Ion Ratio Lower Upper

168 100

99 51.2 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

200000

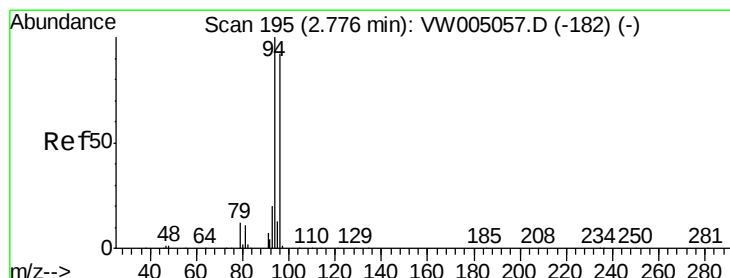
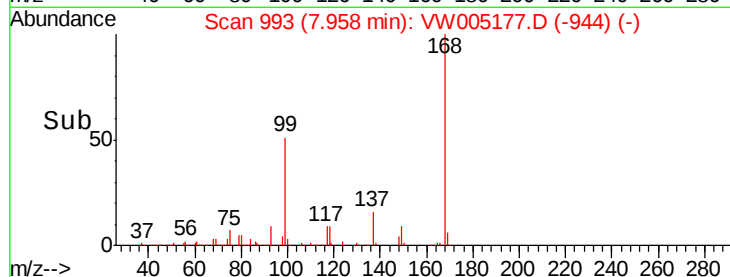
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW005177.D

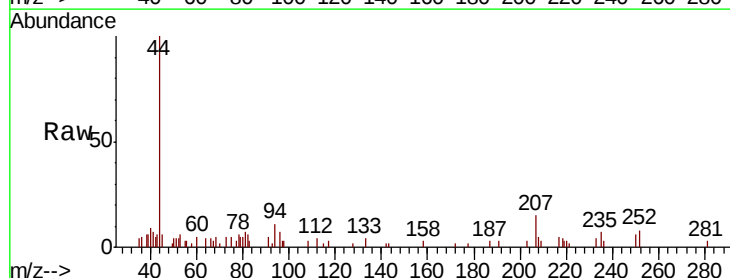
Acq: 06 Sep 2018 20:58

Tgt Ion: 94 Resp: 619

Ion Ratio Lower Upper

94 100

96 18.3 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

400

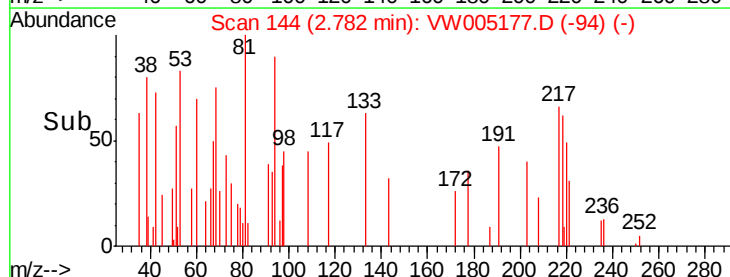
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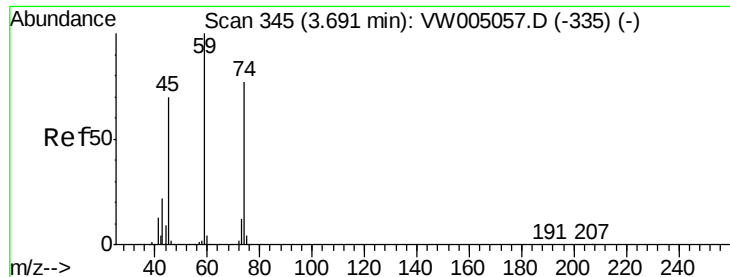
200

100

0

Time-->





#8

Diethyl Ether

Concen: 3.497 ug/l

RT: 3.69 min Scan# 293

Delta R.T. -0.00 min

Lab File: VW005177.D

Acq: 06 Sep 2018 20:58

Instrument :

MSVOA_W

ClientSampleId :

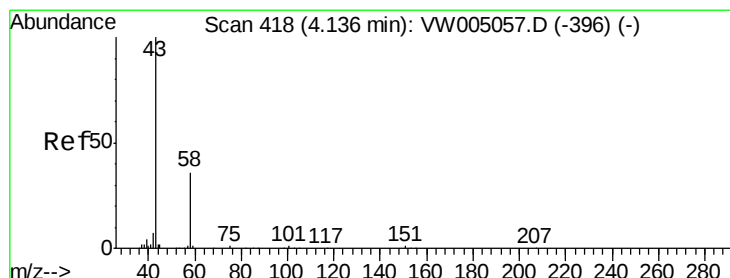
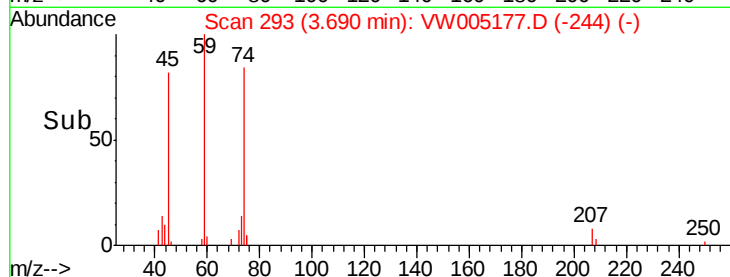
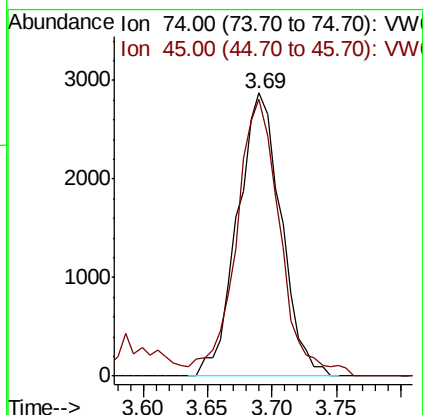
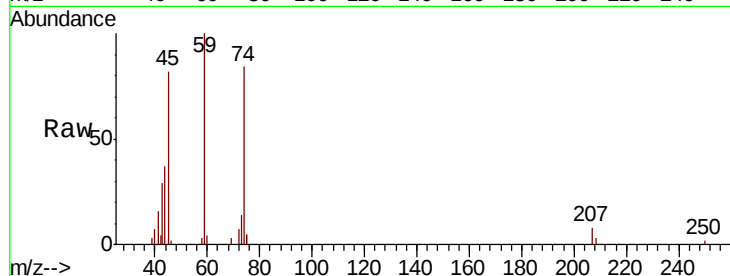
EP1-WS-COMP-17

Tgt Ion: 74 Resp: 6730

Ion Ratio Lower Upper

74 100

45 98.4 46.0 137.8



#16

Acetone

Concen: 13.475 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.00 min

Lab File: VW005177.D

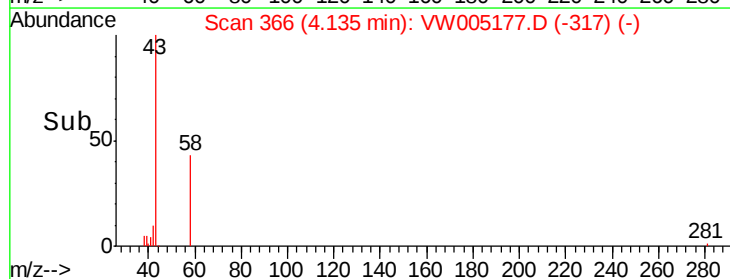
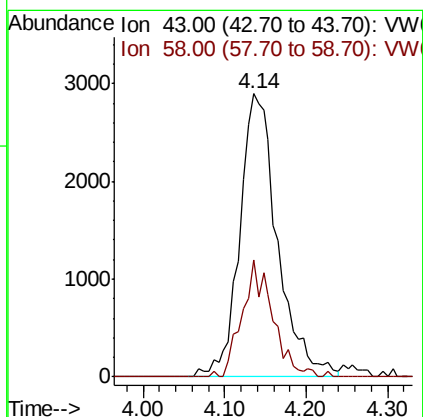
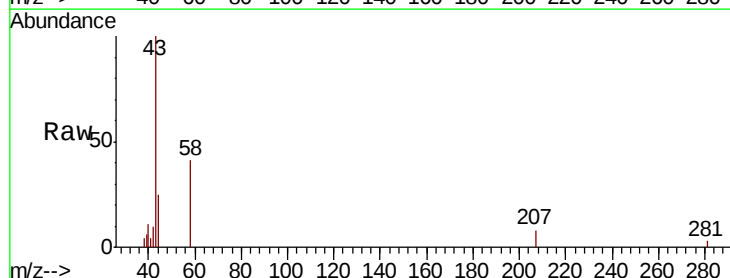
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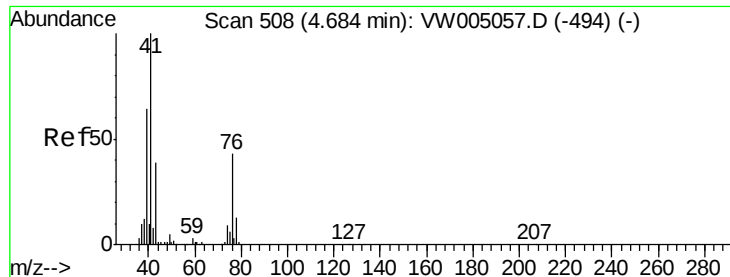
Tgt Ion: 43 Resp: 9314

Ion Ratio Lower Upper

43 100

58 41.1 29.0 43.6

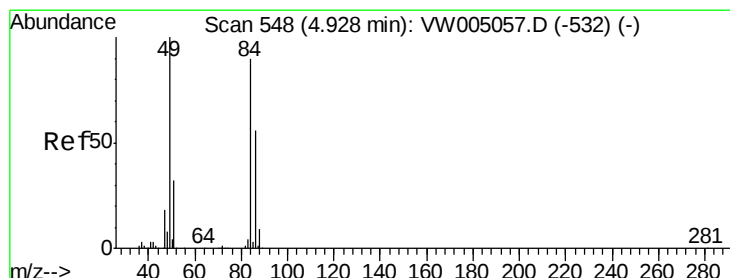
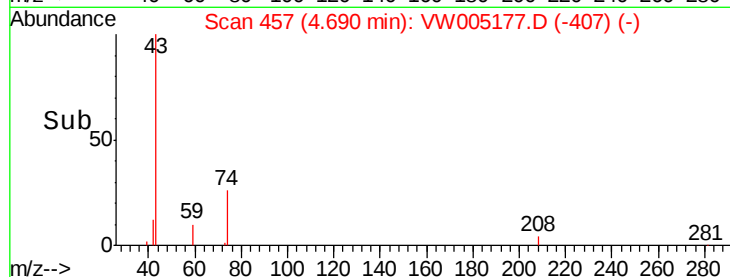
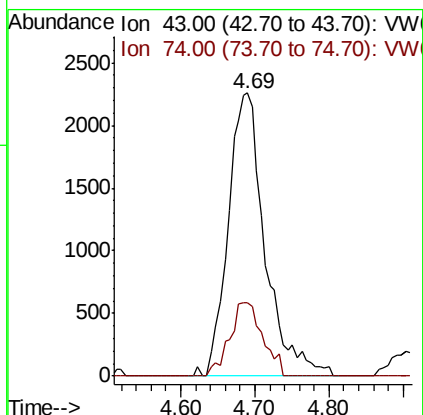
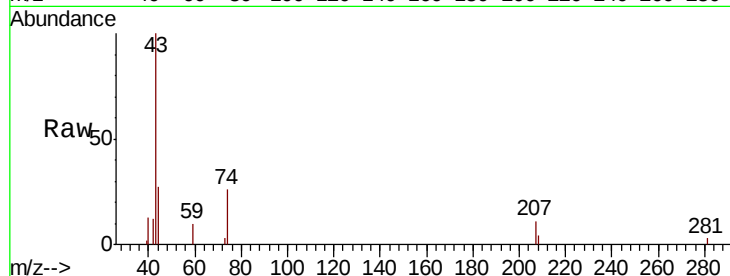




#18
Methyl Acetate
Concen: 3.830 ug/l
RT: 4.69 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW005177.D
Acq: 06 Sep 2018 20:58

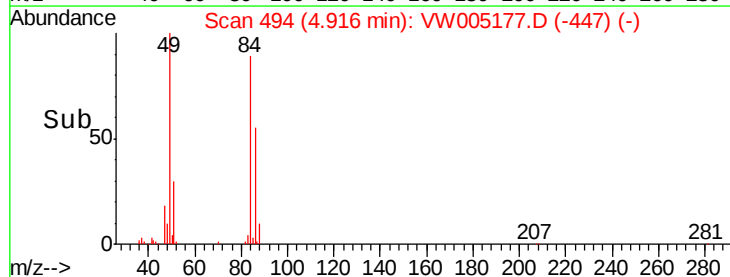
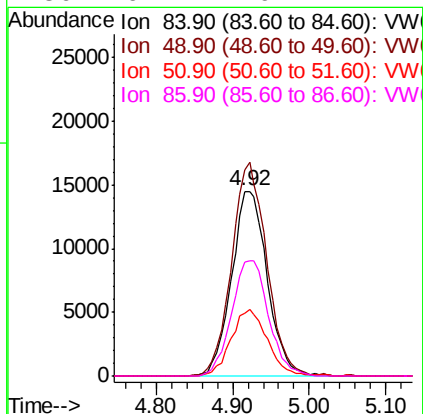
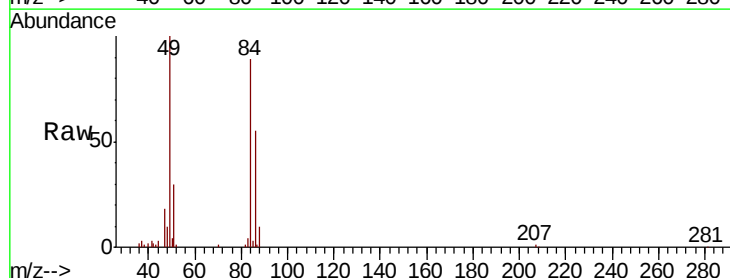
Instrument :
MSVOA_W
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EP1-WS-COMP-17

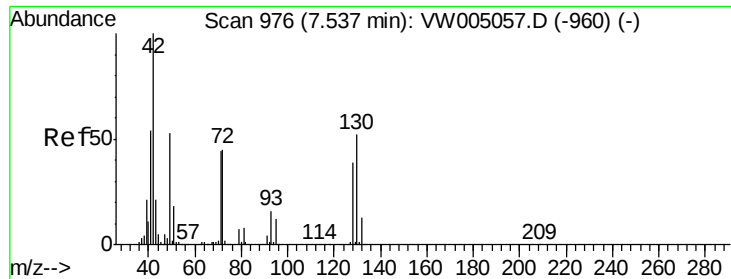
Tgt Ion: 43 Resp: 7788
Ion Ratio Lower Upper
43 100
74 23.5 20.7 31.1



#20
Methylene Chloride
Concen: 6.641 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW005177.D
Acq: 06 Sep 2018 20:58

Tgt Ion: 84 Resp: 46770
Ion Ratio Lower Upper
84 100
49 111.7 88.7 133.1
51 33.9 28.6 42.8
86 61.7 49.4 74.2

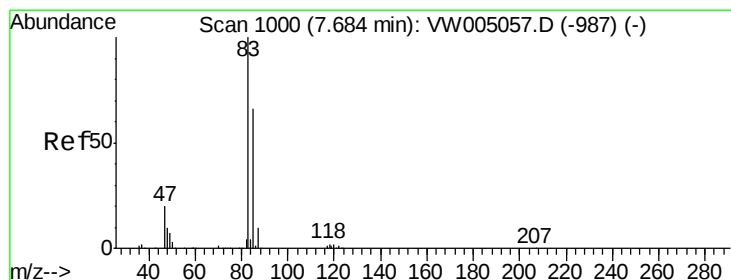
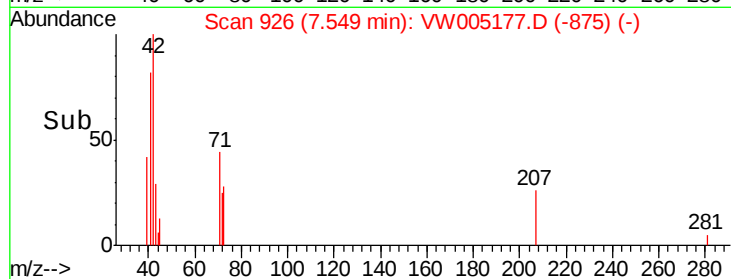
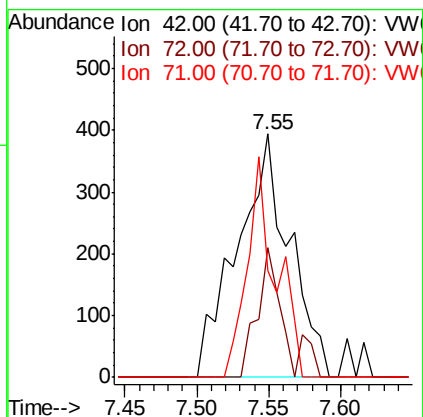
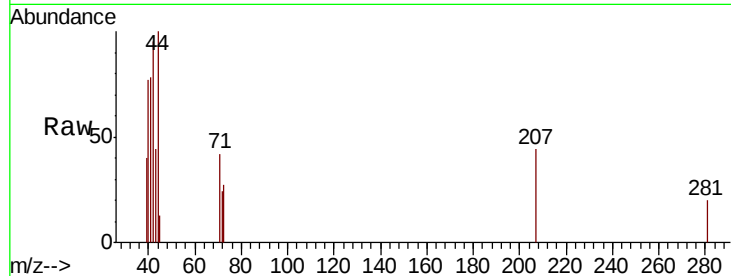




#29
Tetrahydrofuran
Concen: 1.624 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.01 min
Lab File: VW005177.D
Acq: 06 Sep 2018 20:58

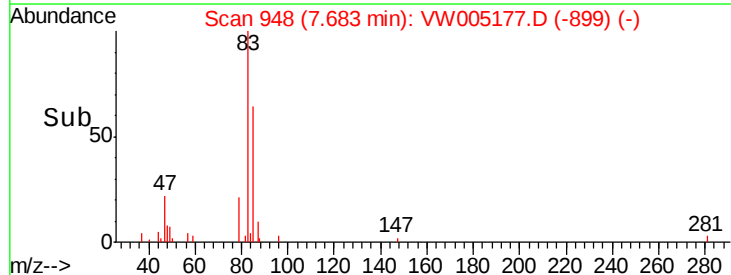
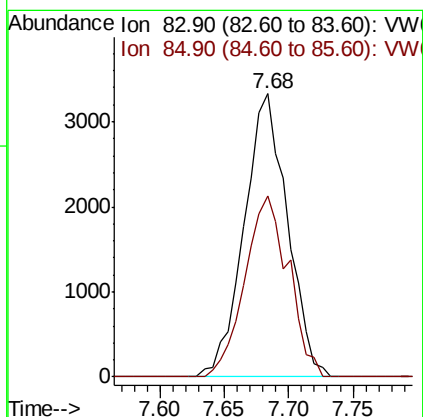
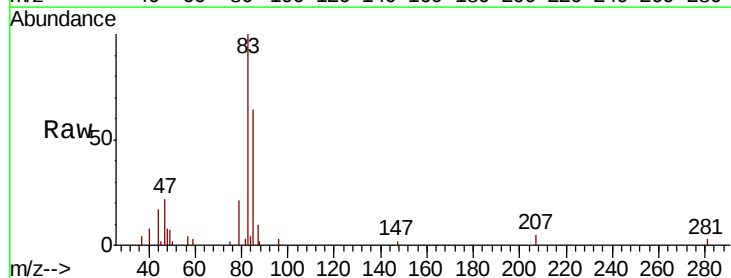
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ClientSampleId :
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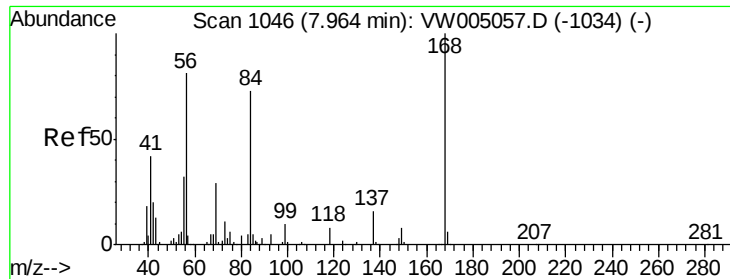
Tgt Ion: 42 Resp: 995
Ion Ratio Lower Upper
42 100
72 22.1 37.0 55.4#
71 48.8 35.0 52.6



#30
Chloroform
Concen: 1.098 ug/l
RT: 7.68 min Scan# 948
Delta R.T. -0.00 min
Lab File: VW005177.D
Acq: 06 Sep 2018 20:58

Tgt Ion: 83 Resp: 7747
Ion Ratio Lower Upper
83 100
85 63.9 53.1 79.7

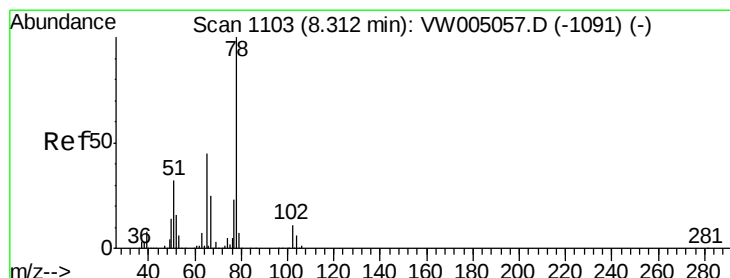
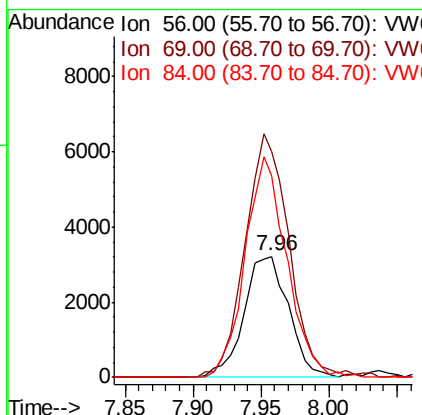
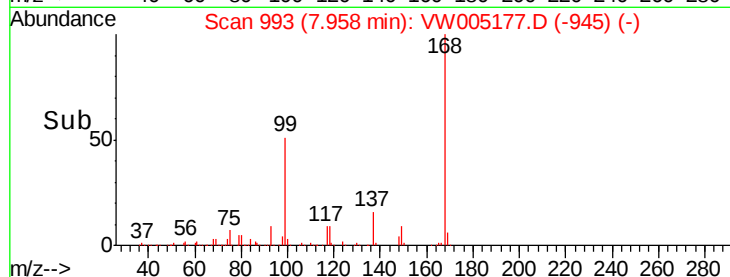
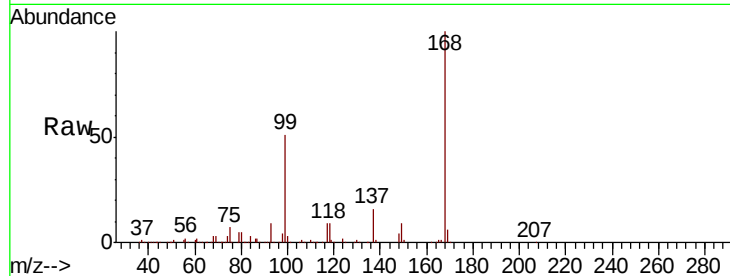




#31
Cyclohexane
Concen: 1.094 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005177.D
Acq: 06 Sep 2018 20:58

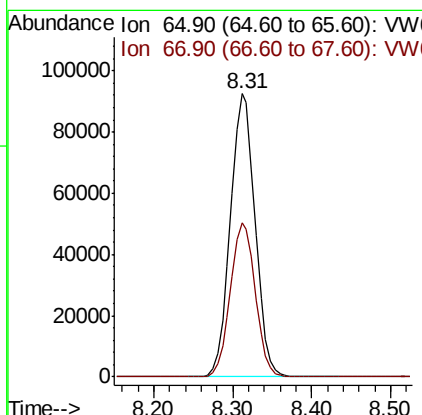
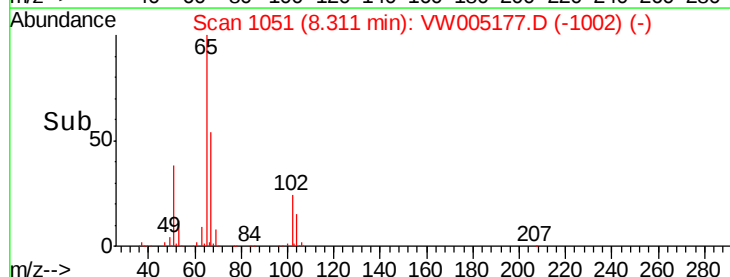
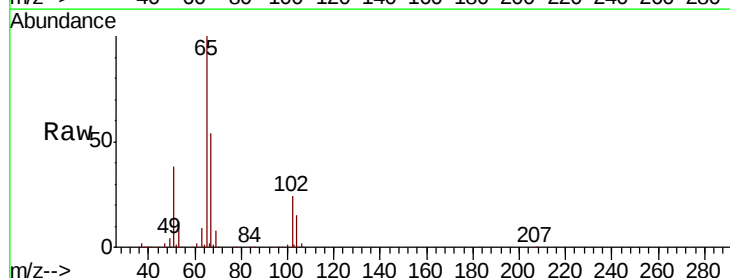
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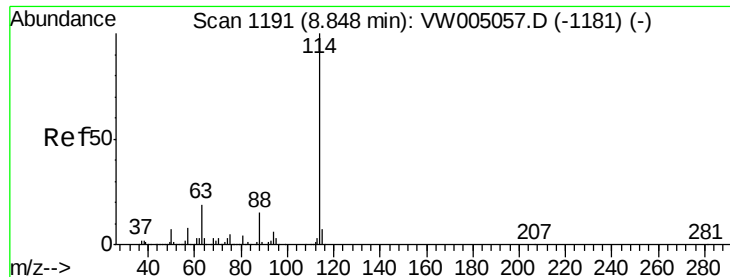
Tgt Ion: 56 Resp: 7403
Ion Ratio Lower Upper
56 100
69 186.4 28.2 42.2#
84 166.0 71.8 107.8#



#33
1,2-Dichloroethane-d4
Concen: 58.557 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005177.D
Acq: 06 Sep 2018 20:58

Tgt Ion: 65 Resp: 201815
Ion Ratio Lower Upper
65 100
67 54.8 0.0 109.4

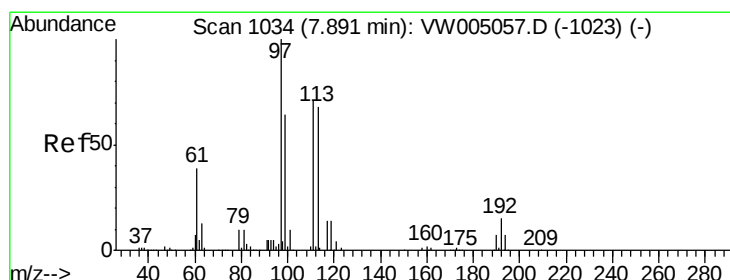
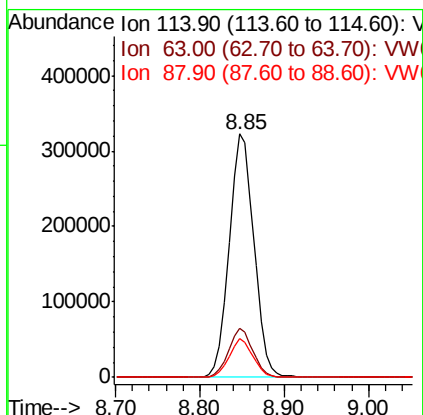
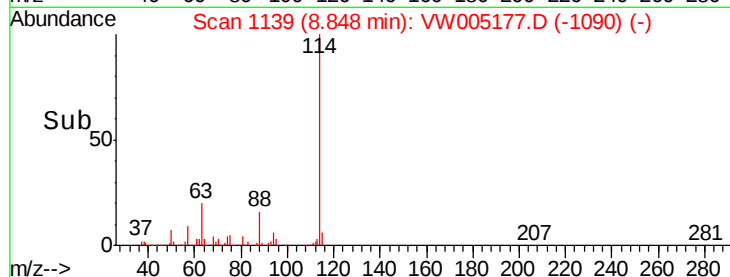
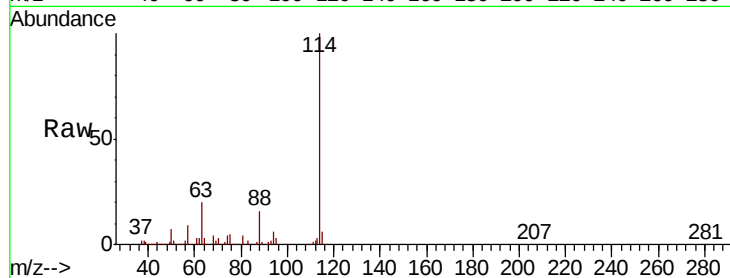




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005177.D
 Acq: 06 Sep 2018 20:58

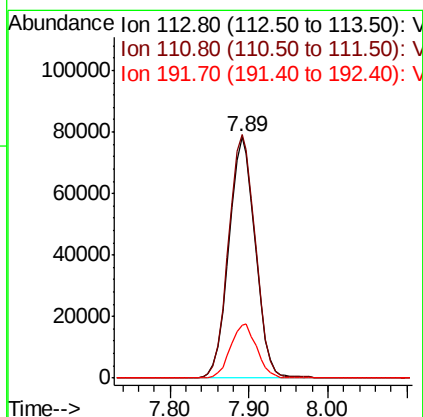
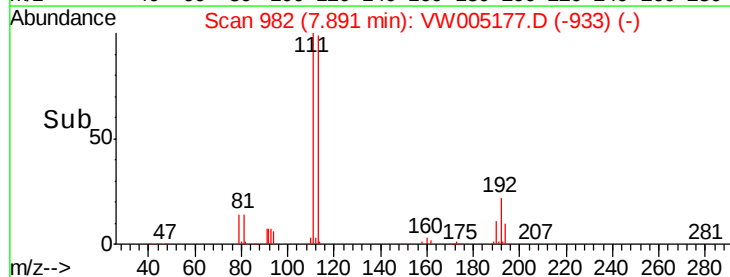
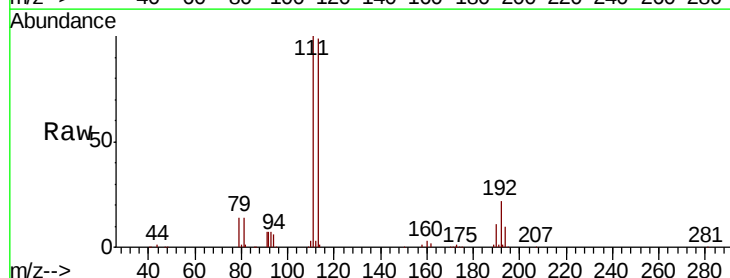
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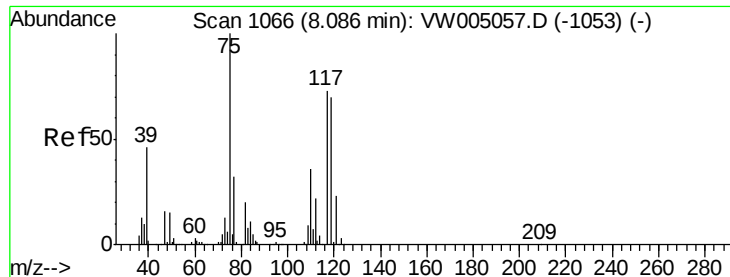
Tgt Ion:114 Resp: 641996
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 38.0
 88 15.8 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 49.203 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005177.D
 Acq: 06 Sep 2018 20:58

Tgt Ion:113 Resp: 182543
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.2 123.2
 192 22.3 18.1 27.1

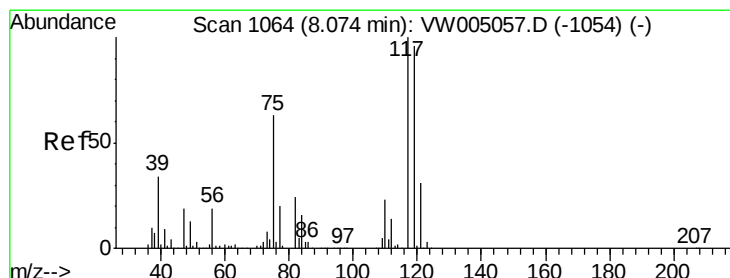
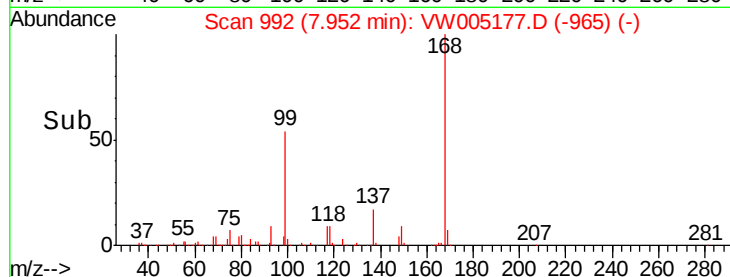
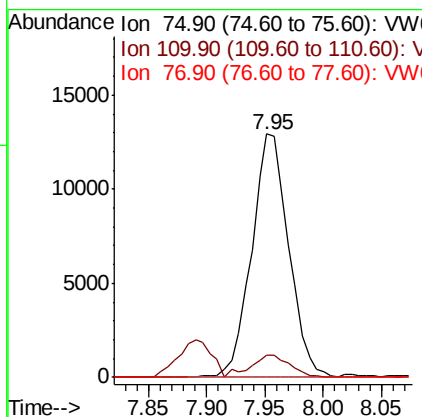
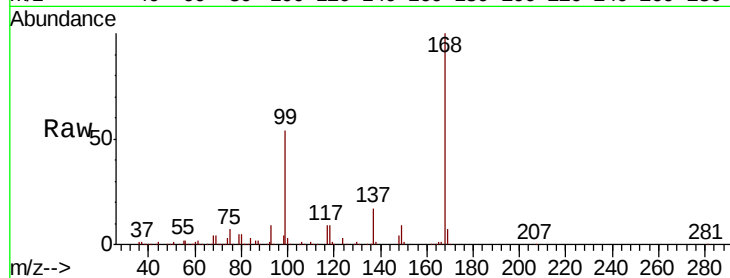




#36
 1,1-Dichloropropene
 Concen: 4.685 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005177.D
 Acq: 06 Sep 2018 20:58

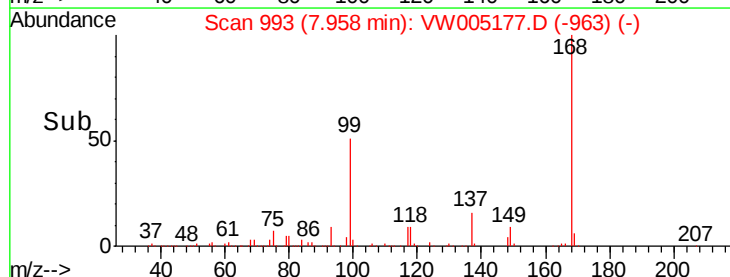
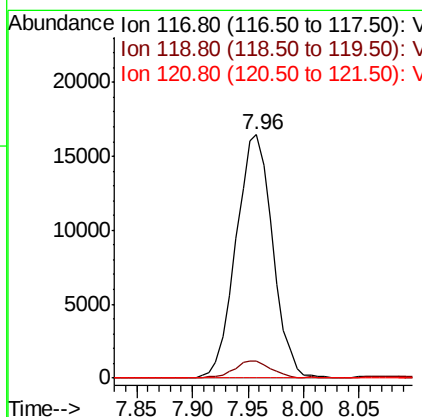
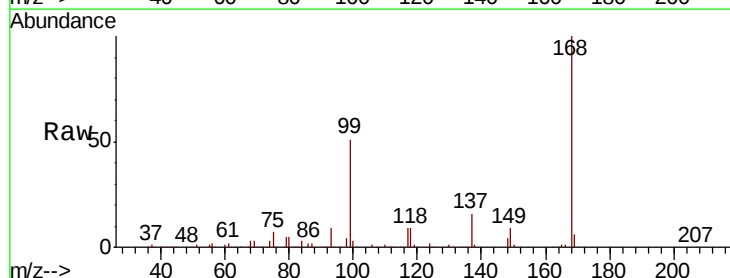
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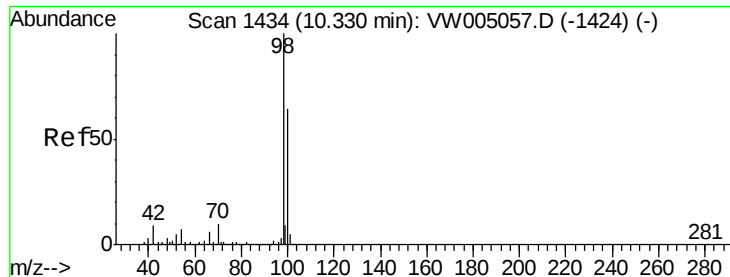
Tgt Ion: 75 Resp: 28643
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.9 56.7#
 77 0.0 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 6.471 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005177.D
 Acq: 06 Sep 2018 20:58

Tgt Ion: 117 Resp: 37618
 Ion Ratio Lower Upper
 117 100
 119 7.0 76.6 115.0#
 121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 28.840 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005177.D

Acq: 06 Sep 2018 20:58

Instrument :

MSVOA_W

ClientSampleId :

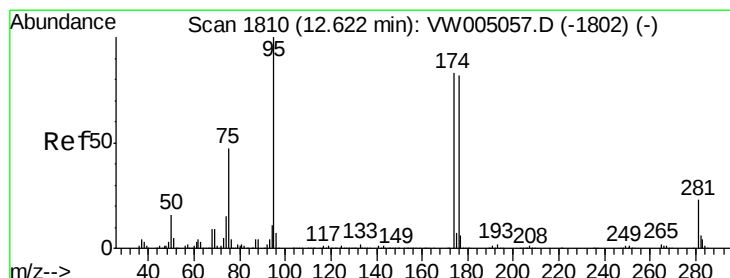
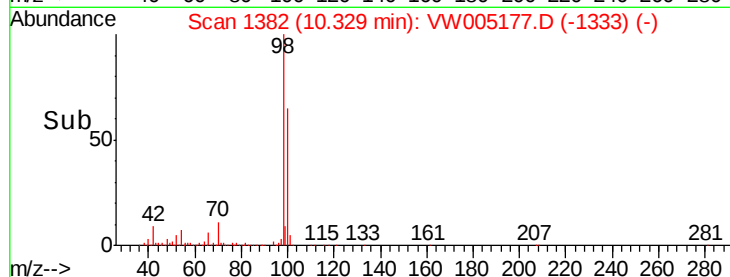
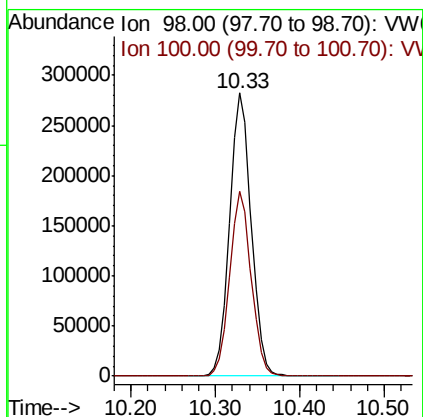
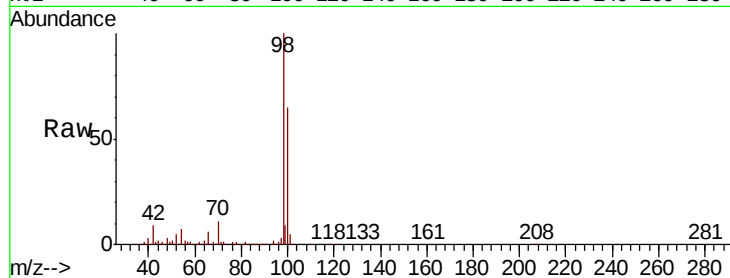
EP1-WS-COMP-17

Tgt Ion: 98 Resp: 493017

Ion Ratio Lower Upper

98 100

100 64.6 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 43.677 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005177.D

Acq: 06 Sep 2018 20:58

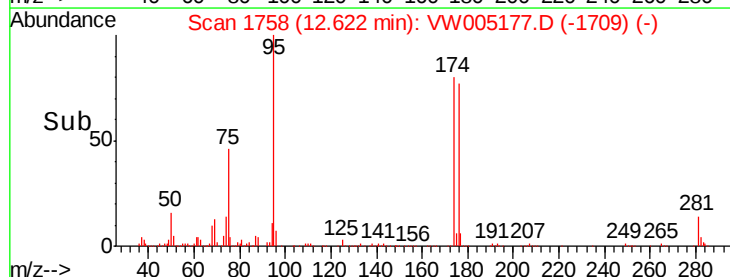
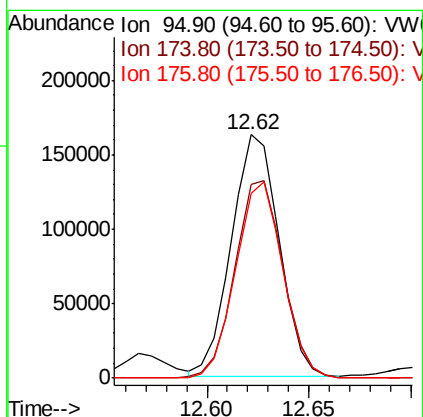
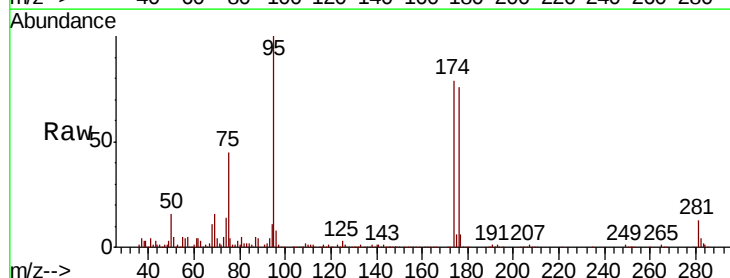
Tgt Ion: 95 Resp: 263279

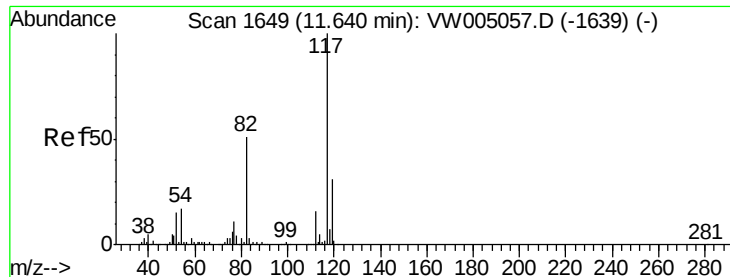
Ion Ratio Lower Upper

95 100

174 82.8 0.0 173.4

176 80.7 0.0 167.4

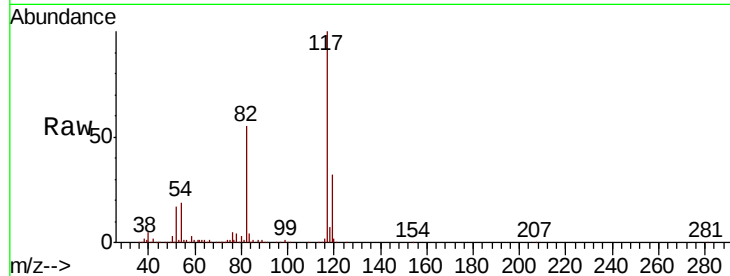




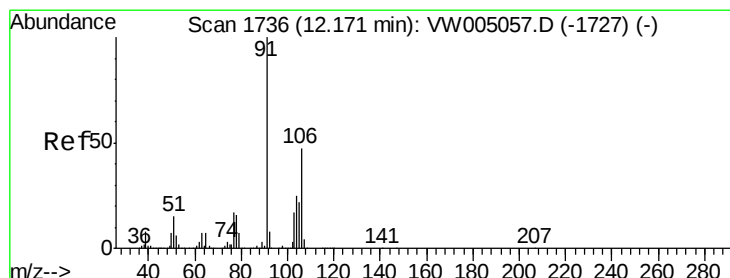
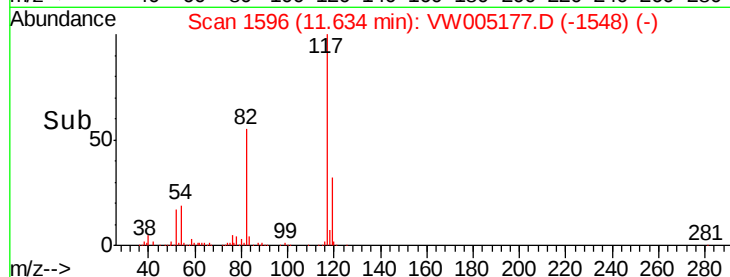
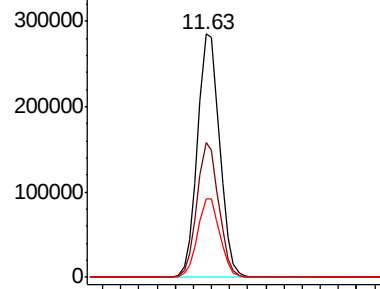
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.01 min
Lab File: VW005177.D
Acq: 06 Sep 2018 20:58

Instrument :
MSVOA_W
ClientSampleId :
EP1-WS-COMP-17

Tgt Ion:117 Resp: 486583
Ion Ratio Lower Upper
117 100
82 55.1 40.9 61.3
119 32.2 24.9 37.3

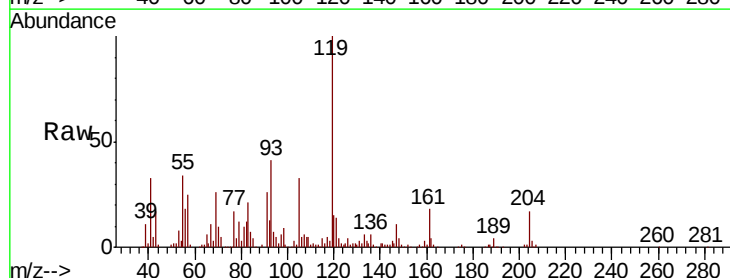


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

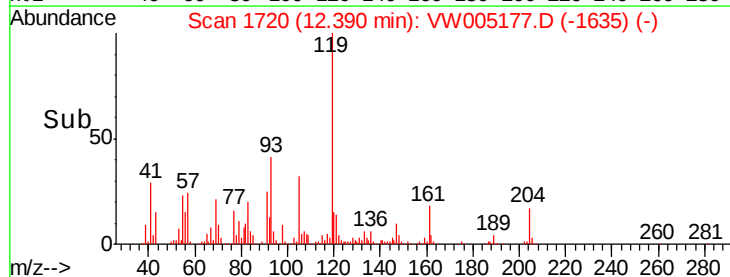
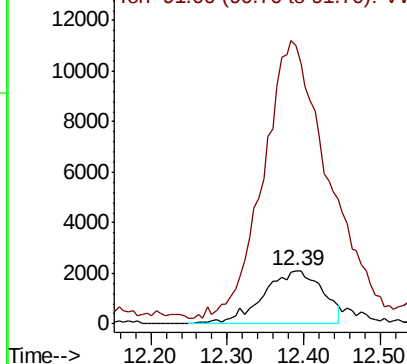


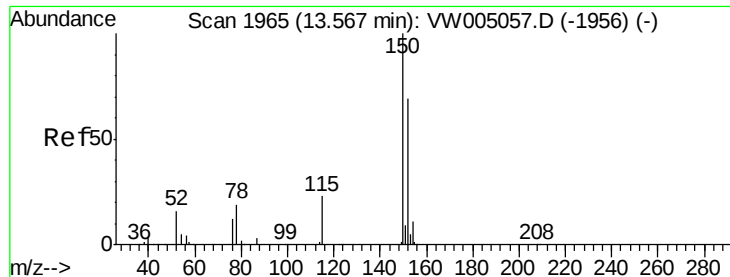
#69
o-Xylene
Concen: 1.658 ug/l
RT: 12.39 min Scan# 1720
Delta R.T. 0.22 min
Lab File: VW005177.D
Acq: 06 Sep 2018 20:58

Tgt Ion:106 Resp: 11363
Ion Ratio Lower Upper
106 100
91 506.0 105.6 316.8#



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW



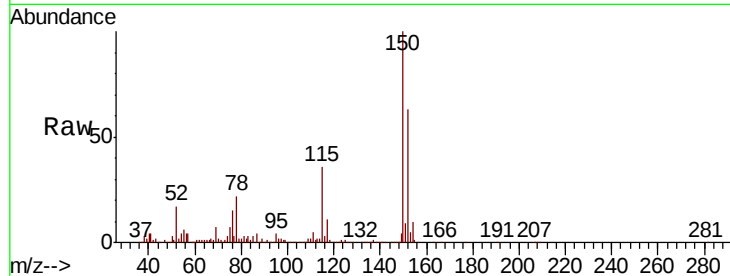


#72

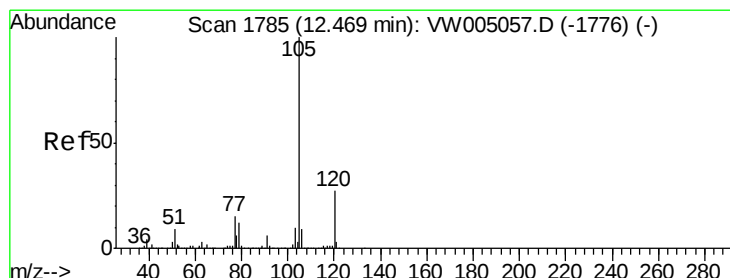
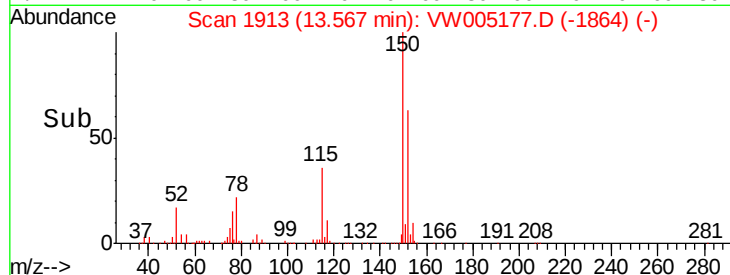
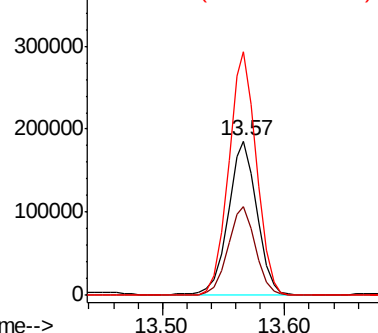
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005177.D
Acq: 06 Sep 2018 20:58

Instrument :
MSVOA_W
ClientSampleId :
EP1-WS-COMP-17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.8	83.4
150	152.6	0.0	351.4



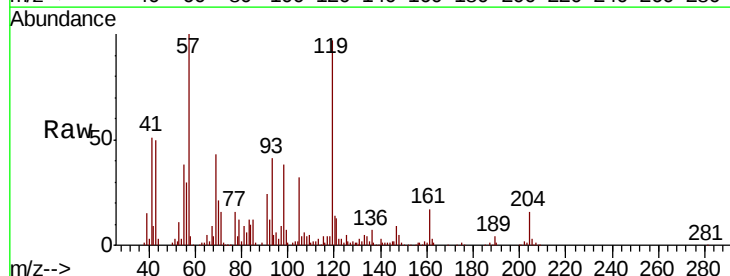
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



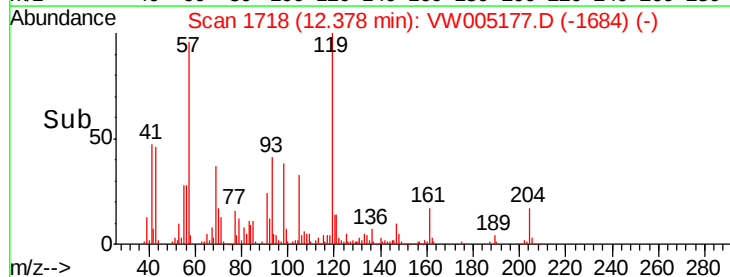
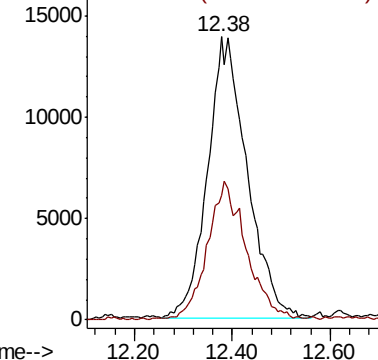
#73

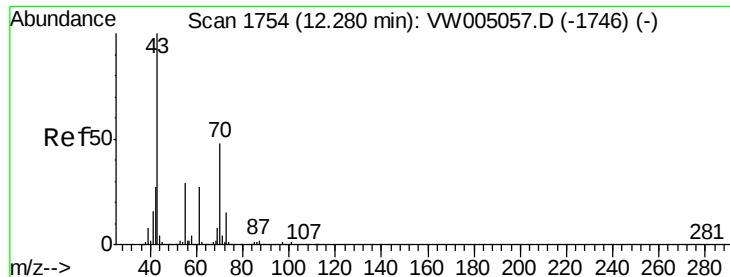
Isopropylbenzene
Concen: 3.659 ug/l
RT: 12.38 min Scan# 1718
Delta R.T. -0.09 min
Lab File: VW005177.D
Acq: 06 Sep 2018 20:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	13.4	40.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

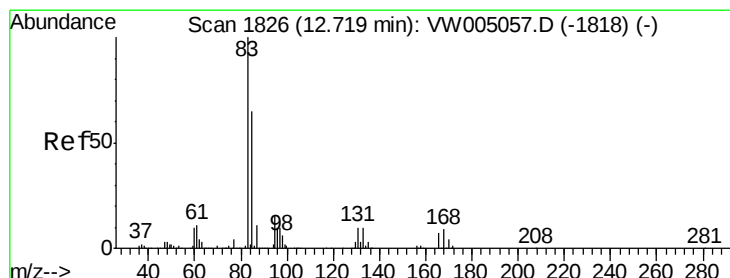
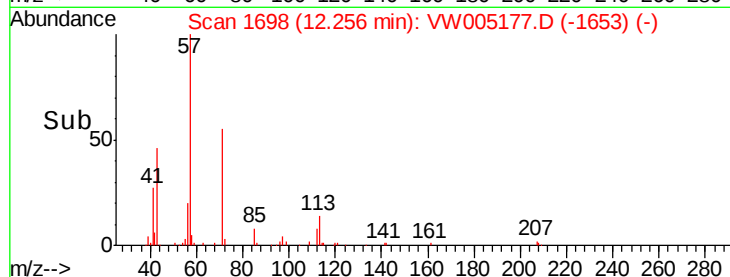
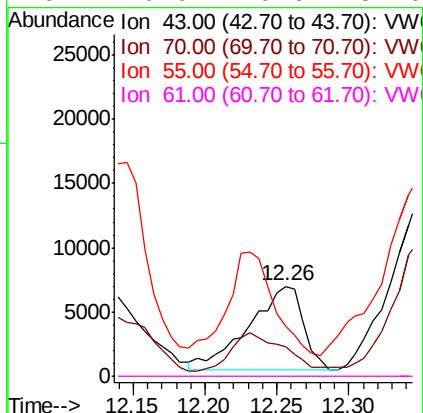
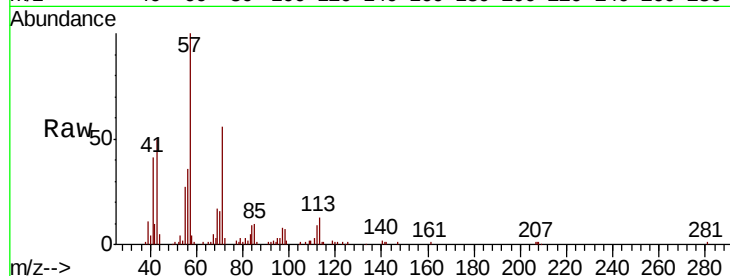




#74
N-ethyl acetate
Concen: 4.643 ug/l
RT: 12.26 min Scan# 1698
Delta R.T. -0.02 min
Lab File: VW005177.D
Acq: 06 Sep 2018 20:58

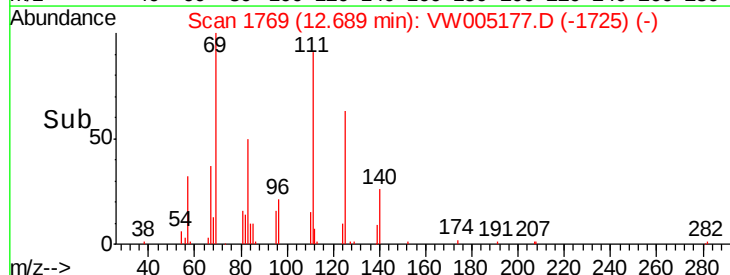
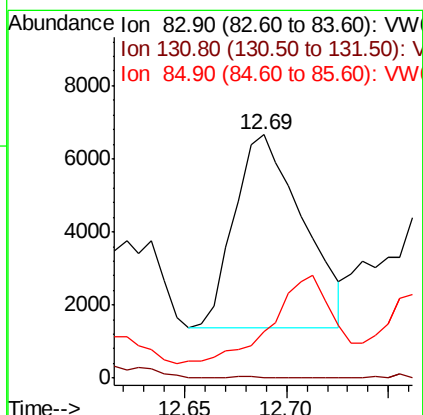
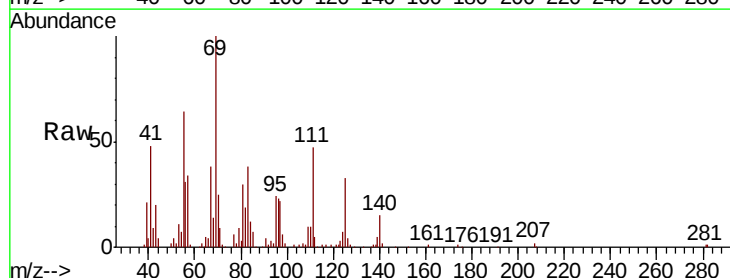
Instrument :
MSVOA_W
ClientSampleId :
EP1-WS-COMP-17

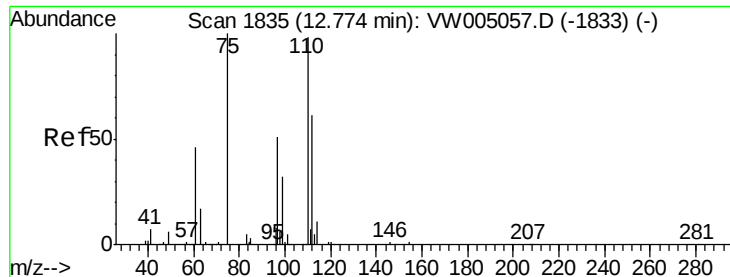
Tgt Ion:	43	Resp:	17121
Ion	Ratio	Lower	Upper
43	100		
70	0.0	38.2	57.4#
55	0.0	23.2	34.8#
61	0.0	20.6	31.0#



#75
1,1,2,2-Tetrachloroethane
Concen: 3.753 ug/l
RT: 12.69 min Scan# 1769
Delta R.T. -0.03 min
Lab File: VW005177.D
Acq: 06 Sep 2018 20:58

Tgt Ion:	83	Resp:	12234
Ion	Ratio	Lower	Upper
83	100		
131	0.4	5.5	16.4#
85	0.0	32.5	97.4#





#76

1,2,3-Trichloropropane

Concen: 52.339 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005177.D

Acq: 06 Sep 2018 20:58

Instrument :

MSVOA_W

ClientSampleId :

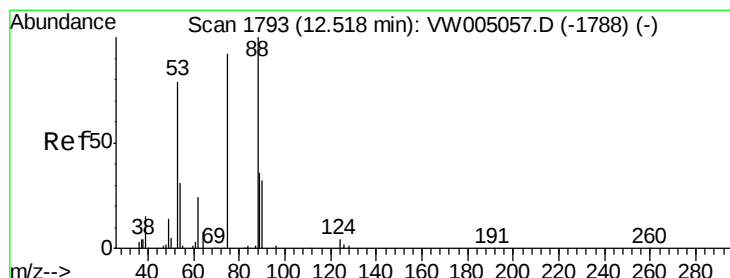
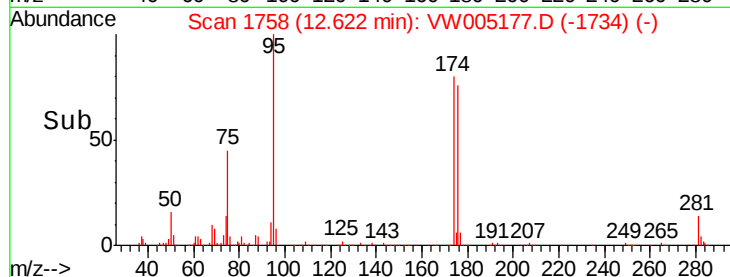
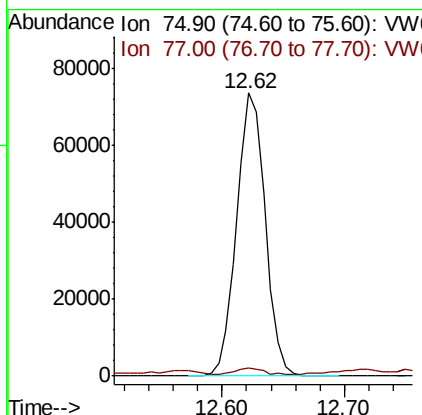
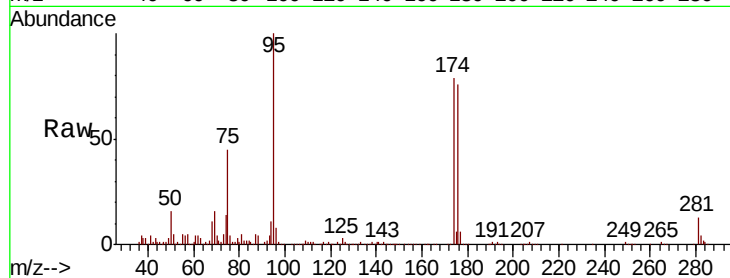
EP1-WS-COMP-17

Tgt Ion: 75 Resp: 119318

Ion Ratio Lower Upper

75 100

77 2.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 125.975 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005177.D

Acq: 06 Sep 2018 20:58

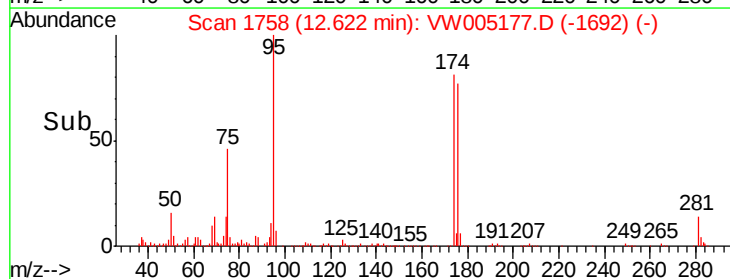
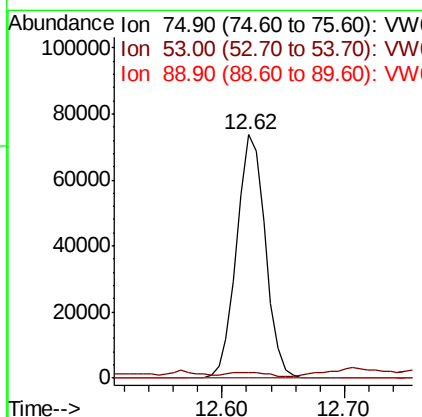
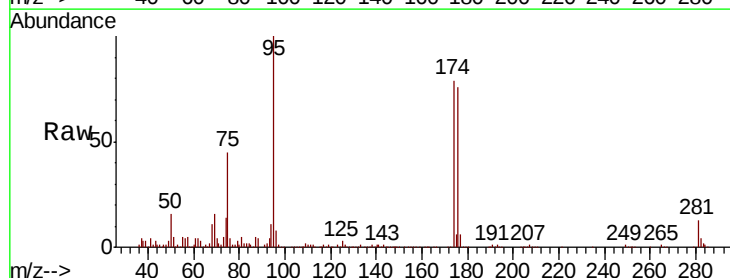
Tgt Ion: 75 Resp: 119318

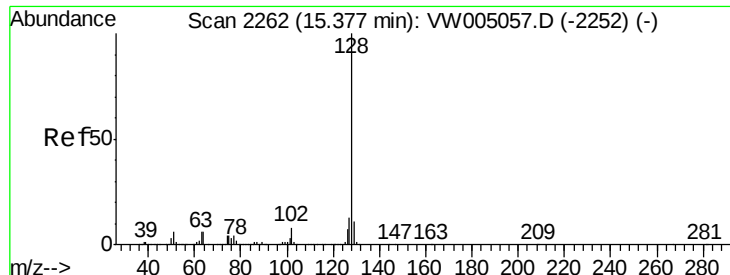
Ion Ratio Lower Upper

75 100

53 2.3 69.8 104.8#

89 0.2 36.0 54.0#

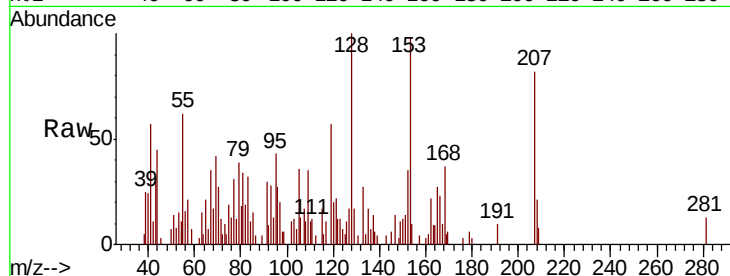




#95
Naphthalene
Concen: 4.207 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005177.D
Acq: 06 Sep 2018 20:58

Instrument :
MSVOA_W
ClientSampleId :
EP1-WS-COMP-17

Tgt Ion:128 Resp: 2711
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 7.8 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

