

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW061518\
 Data File : VW003279.D
 Acq On : 15 Jun 2018 02:33
 Operator : VA/AP
 Sample : J3458-01
 Misc : 5.93G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-105-5(0-5)

Quant Time: Jun 15 06:50:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 08:20:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	162797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	266879	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	249678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	130074	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	81767	46.37	ug/l	0.00
Spiked Amount			Recovery	=	92.74%	
35) Dibromofluoromethane	7.88	113	73812	44.51	ug/l	0.00
Spiked Amount			Recovery	=	89.02%	
50) Toluene-d8	10.33	98	230135	35.00	ug/l	0.00
Spiked Amount			Recovery	=	70.00%	
62) 4-Bromofluorobenzene	12.63	95	90327	38.82	ug/l	0.00
Spiked Amount			Recovery	=	77.64%	

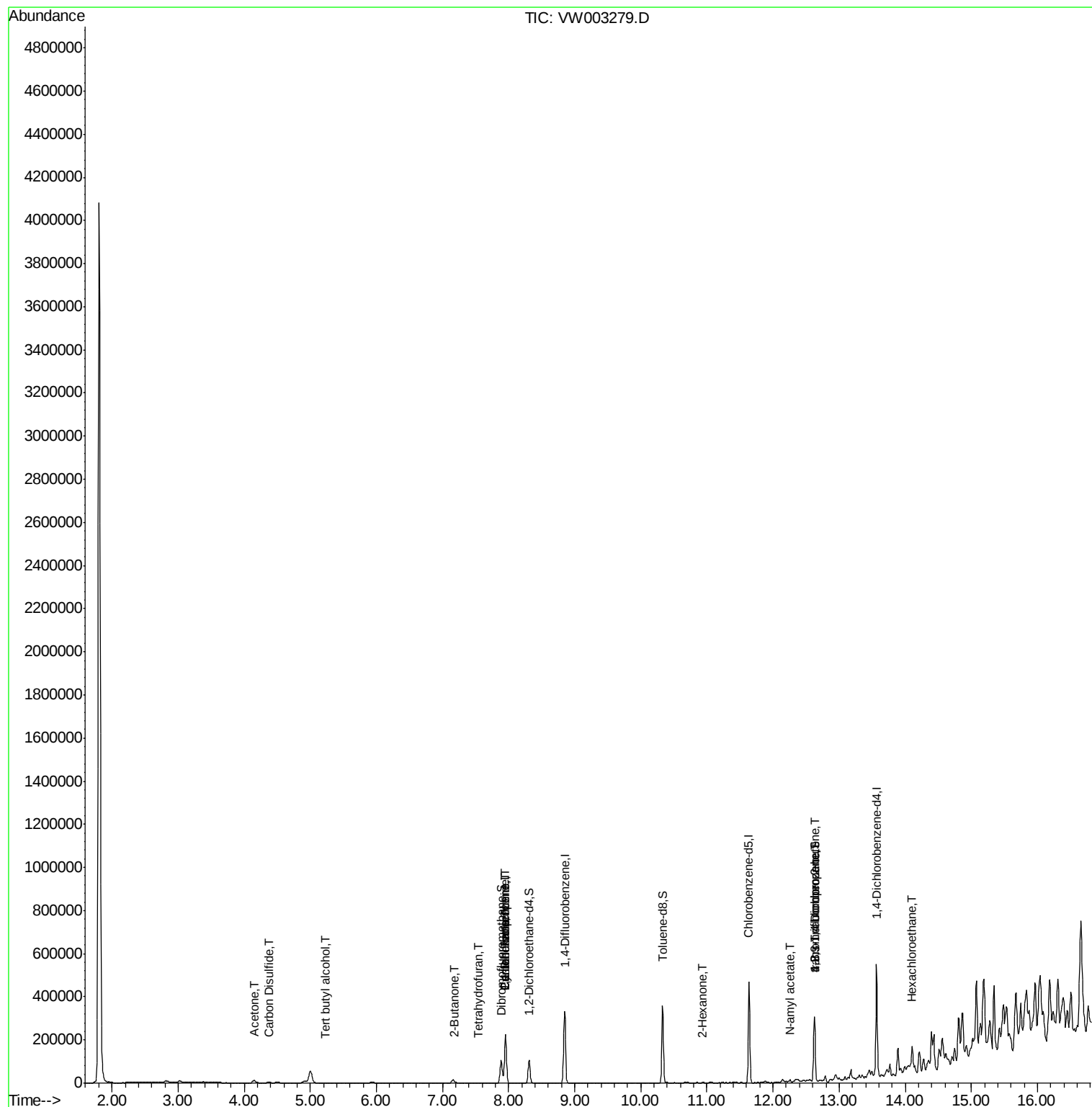
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	668	7.064	ug/l #	84
16) Acetone	4.15	43	24655	66.667	ug/l	99
17) Carbon Disulfide	4.37	76	13597	3.121	ug/l	97
25) 2-Butanone	7.19	43	1745	3.795	ug/l	99
29) Tetrahydrofuran	7.54	42	496	1.765	ug/l #	55
31) Cyclohexane	7.95	56	4106	1.441	ug/l #	30
36) 1,1-Dichloropropene	7.95	75	13175	5.112	ug/l #	48
38) Carbon Tetrachloride	7.95	117	16453	6.508	ug/l #	17
59) 2-Hexanone	10.93	43	1664	2.205	ug/l #	31
74) N-amyl acetate	12.26	43	2761	1.341	ug/l #	79
76) 1,2,3-Trichloropropane	12.63	75	48414	43.538	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	48414	100.184	ug/l #	9
90) Hexachloroethane	14.11	117	5202	3.389	ug/l #	10

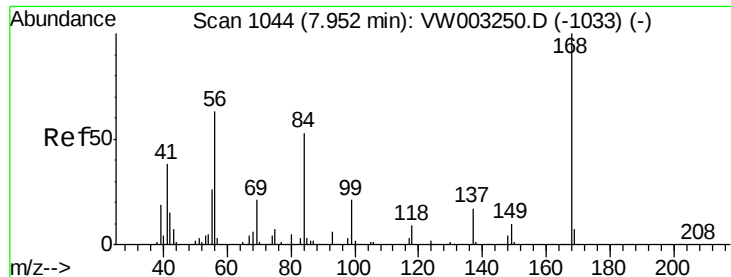
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003279.D

Acq: 15 Jun 2018 02:33

Instrument :

MSVOA_W

ClientSampleId :

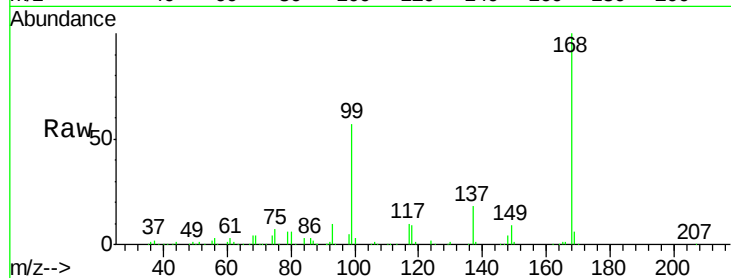
EPE-105-5(0-5)

Tgt Ion:168 Resp: 162797

Ion Ratio Lower Upper

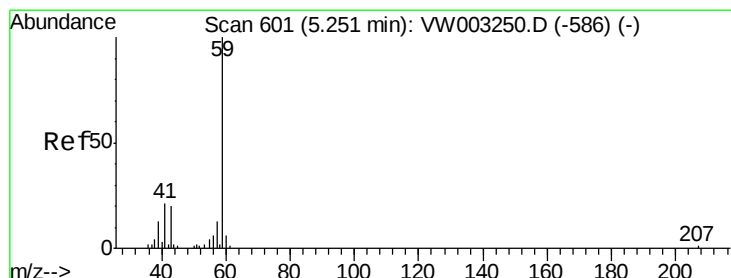
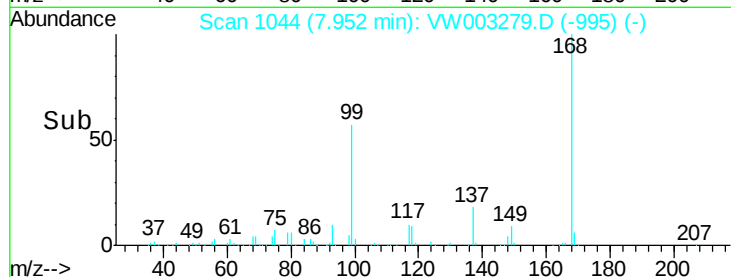
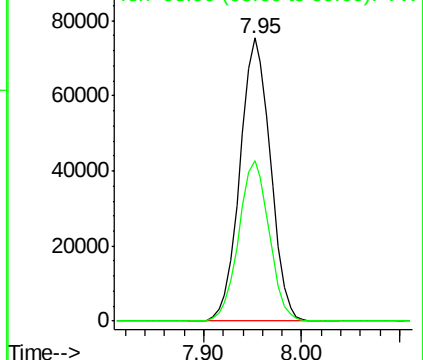
168 100

99 56.9 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 7.064 ug/l

RT: 5.24 min Scan# 599

Delta R.T. -0.01 min

Lab File: VW003279.D

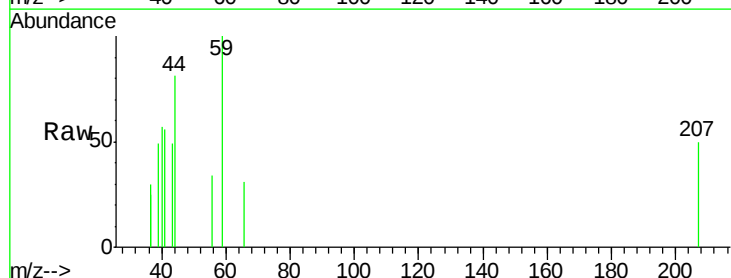
Acq: 15 Jun 2018 02:33

Tgt Ion: 59 Resp: 668

Ion Ratio Lower Upper

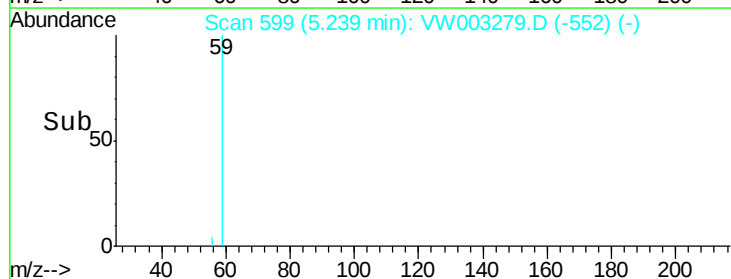
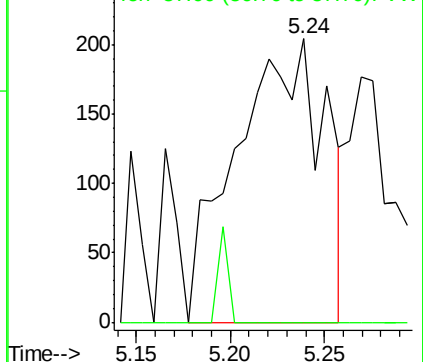
59 100

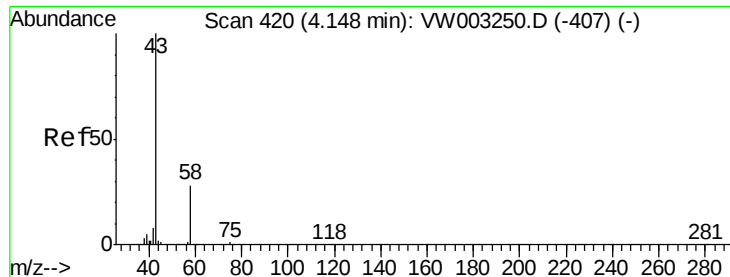
57 0.0 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 66.667 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003279.D

Acq: 15 Jun 2018 02:33

Instrument :

MSVOA_W

ClientSampleId :

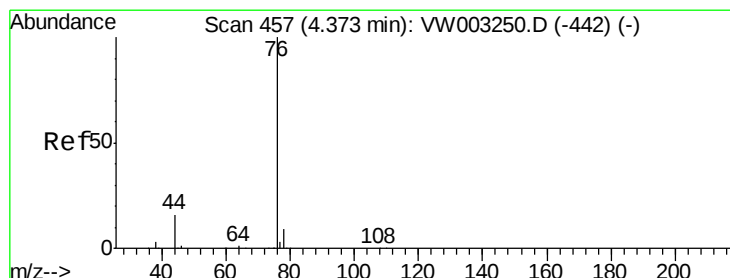
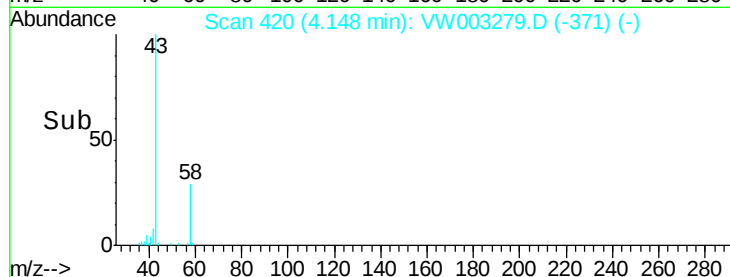
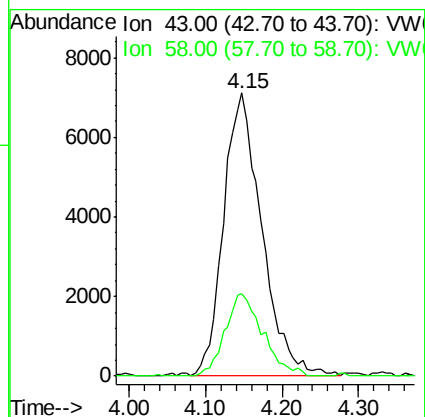
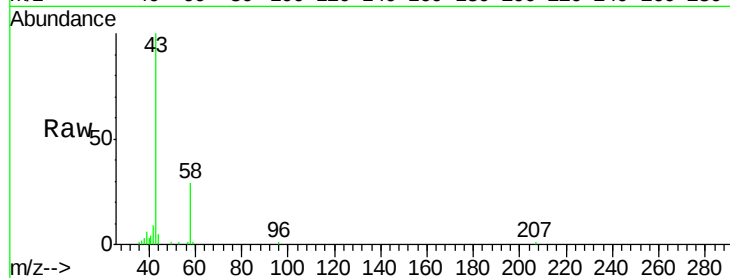
EPE-105-5(0-5)

Tgt Ion: 43 Resp: 24655

Ion Ratio Lower Upper

43 100

58 29.0 22.6 34.0



#17

Carbon Disulfide

Concen: 3.121 ug/l

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW003279.D

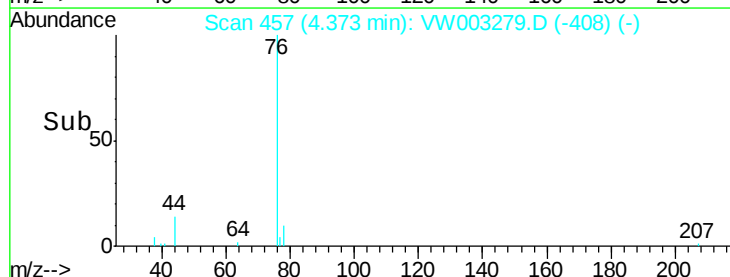
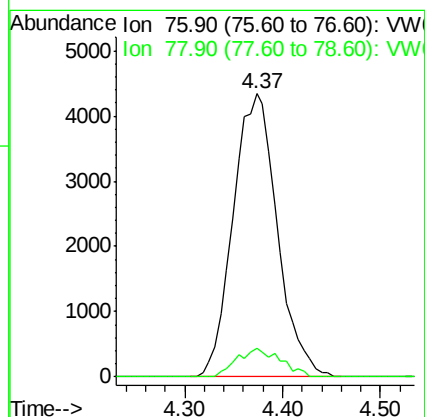
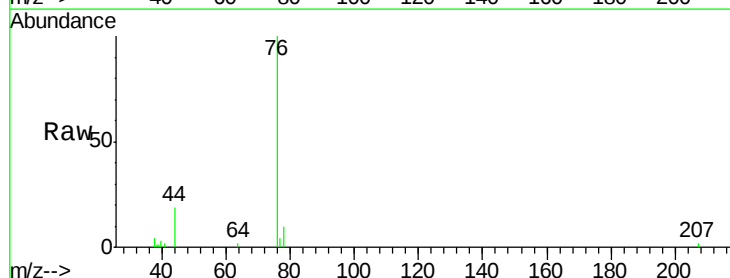
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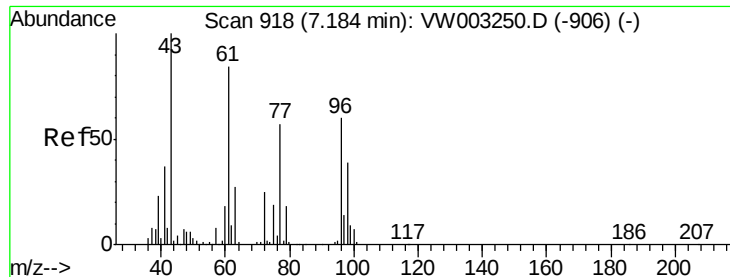
Tgt Ion: 76 Resp: 13597

Ion Ratio Lower Upper

76 100

78 10.1 7.1 10.7

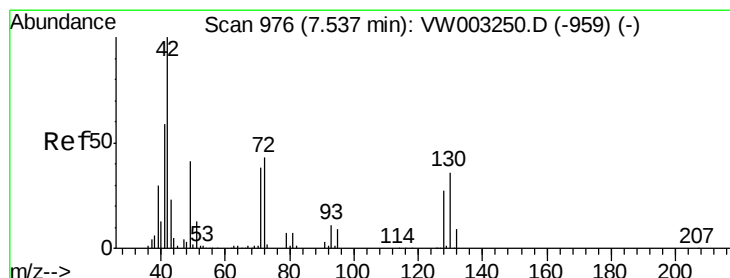
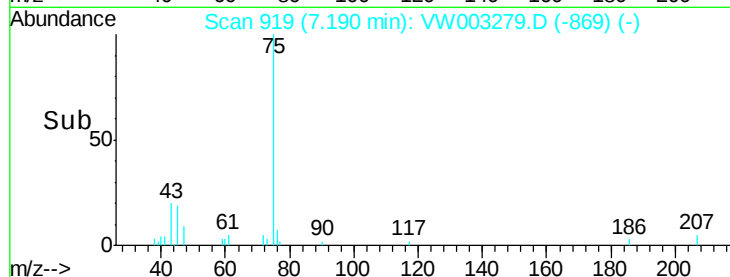
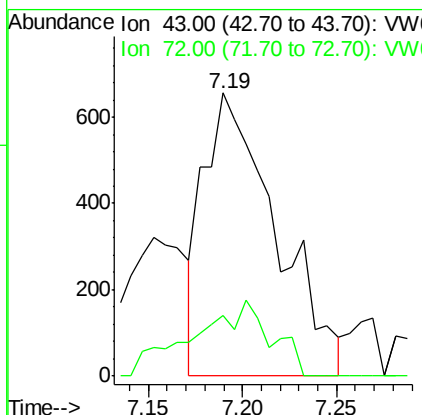
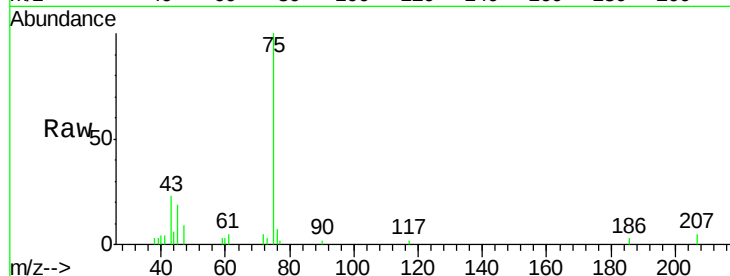




#25
2-Butanone
Concen: 3.795 ug/l
RT: 7.19 min Scan# 919
Delta R.T. 0.01 min
Lab File: VW003279.D
Acq: 15 Jun 2018 02:33

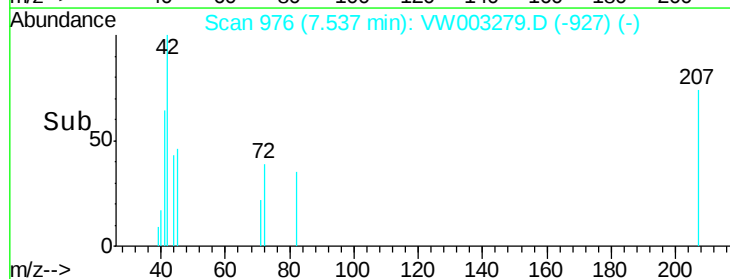
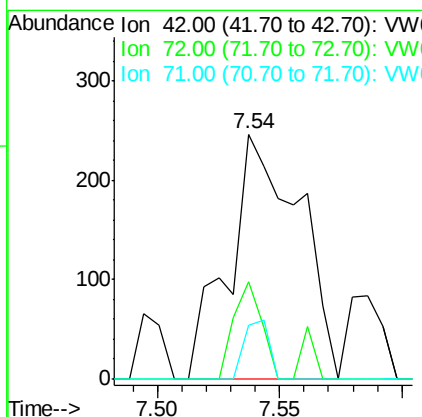
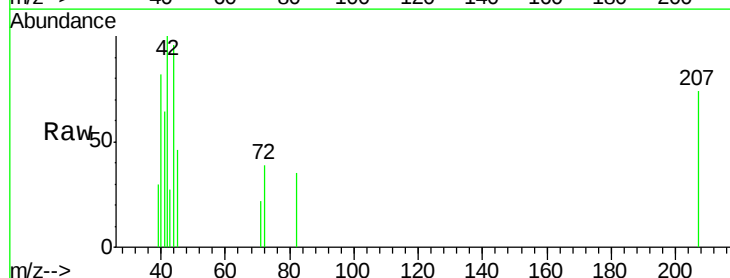
Instrument :
MSVOA_W
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EPE-105-5(0-5)

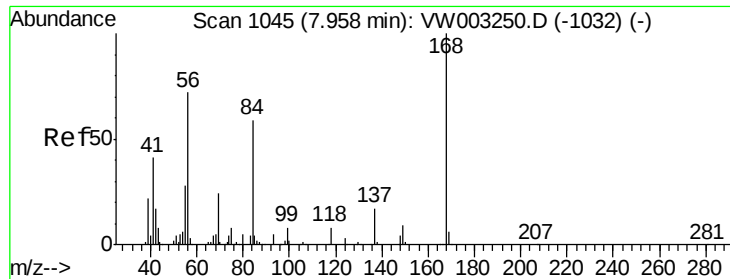
Tgt Ion: 43 Resp: 1745
Ion Ratio Lower Upper
43 100
72 24.7 20.3 30.5



#29
Tetrahydrofuran
Concen: 1.765 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW003279.D
Acq: 15 Jun 2018 02:33

Tgt Ion: 42 Resp: 496
Ion Ratio Lower Upper
42 100
72 15.5 32.4 48.6#
71 8.3 31.2 46.8#

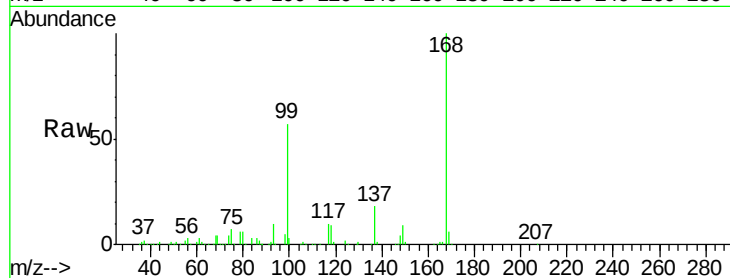




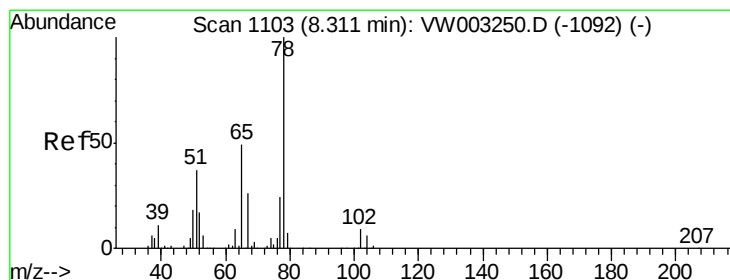
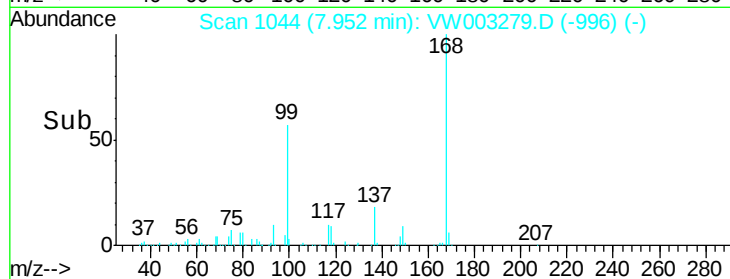
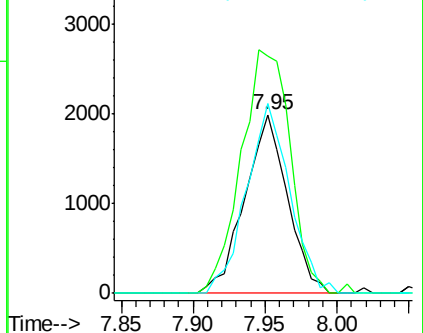
#31
Cyclohexane
Concen: 1.441 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW003279.D
Acq: 15 Jun 2018 02:33

Instrument :
MSVOA_W
ClientSampleId :
EPE-105-5(0-5)

Tgt Ion: 56 Resp: 4106
Ion Ratio Lower Upper
56 100
69 132.9 26.3 39.5#
84 106.4 65.7 98.5#

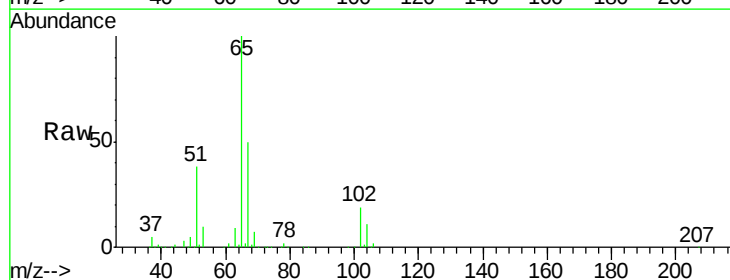


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

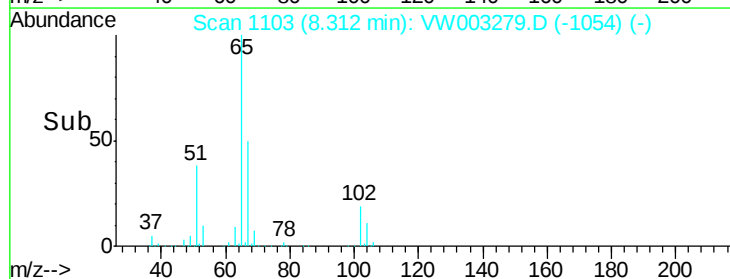
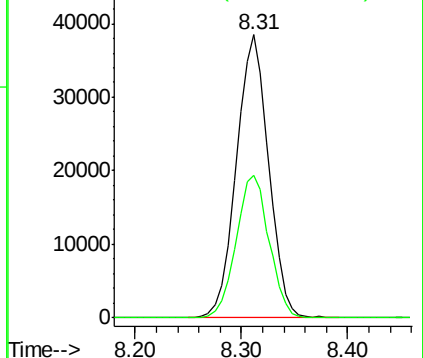


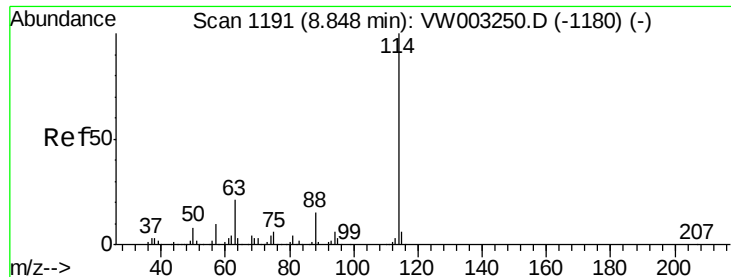
#33
1,2-Dichloroethane-d4
Concen: 46.370 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VW003279.D
Acq: 15 Jun 2018 02:33

Tgt Ion: 65 Resp: 81767
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

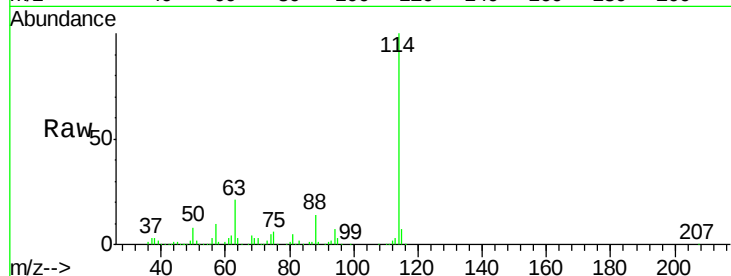




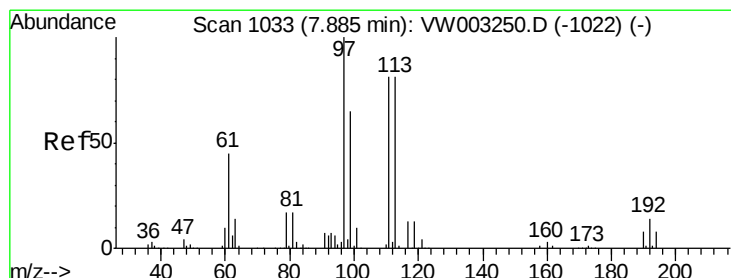
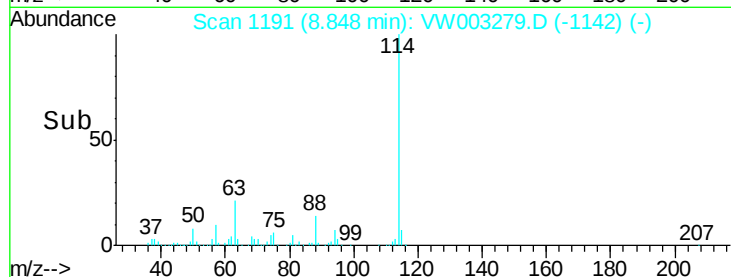
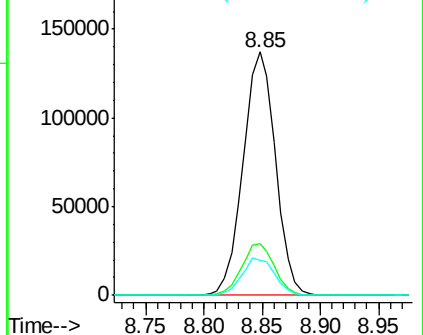
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003279.D
 Acq: 15 Jun 2018 02:33

Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-105-5(0-5)

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.0
88	14.4	0.0	29.6

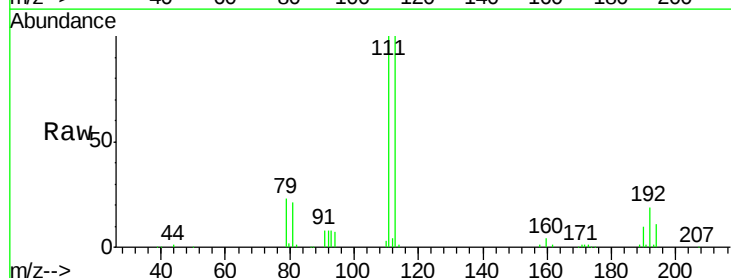


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

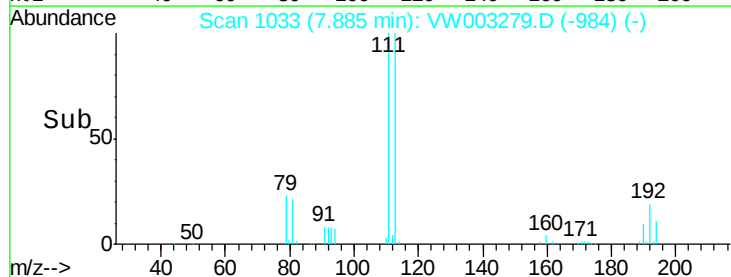
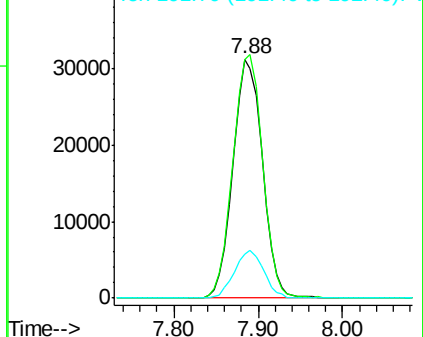


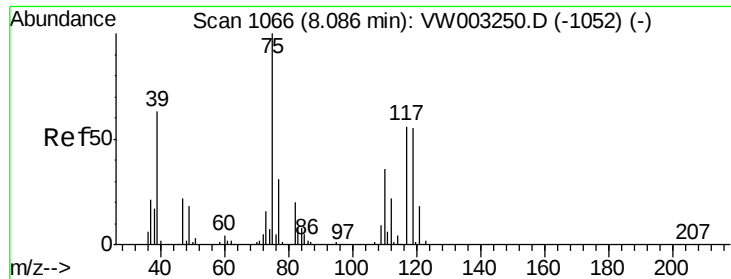
#35
 Dibromofluoromethane
 Concen: 44.510 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003279.D
 Acq: 15 Jun 2018 02:33

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.2
192	19.9	16.2	24.2



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: 5.112 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.14 min

Lab File: VW003279.D

Acq: 15 Jun 2018 02:33

Instrument :

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ClientSampleId :

EPE-105-5(0-5)

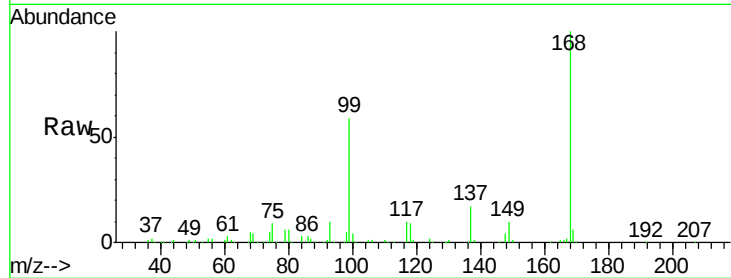
Tgt Ion: 75 Resp: 13175

Ion Ratio Lower Upper

75 100

110 7.0 17.1 51.3#

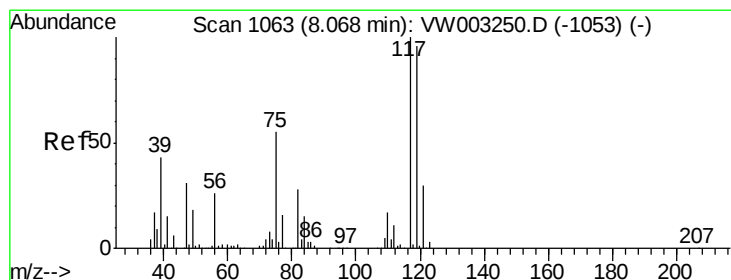
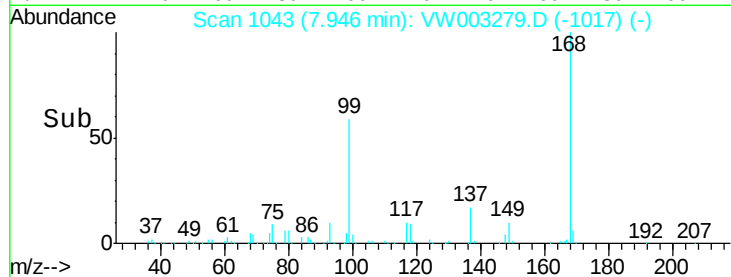
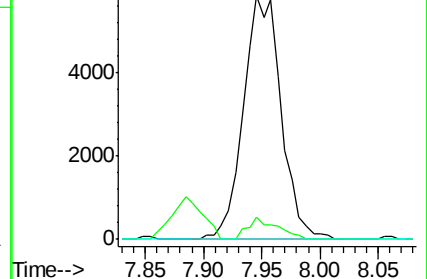
77 0.0 24.9 37.3#



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: 6.508 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003279.D

Acq: 15 Jun 2018 02:33

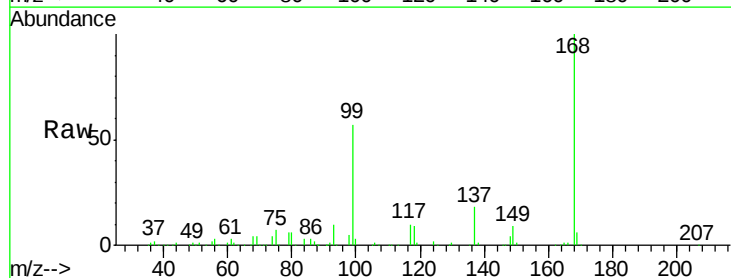
Tgt Ion: 117 Resp: 16453

Ion Ratio Lower Upper

117 100

119 6.0 76.6 115.0#

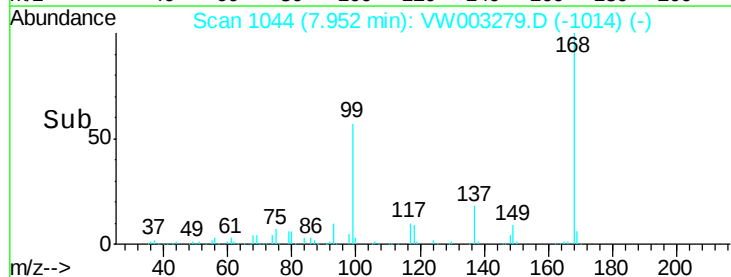
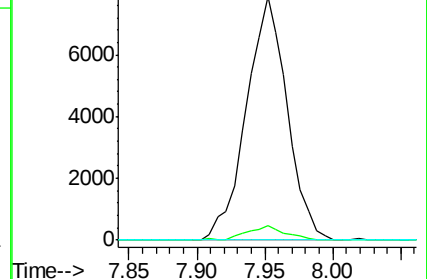
121 0.0 23.9 35.9#

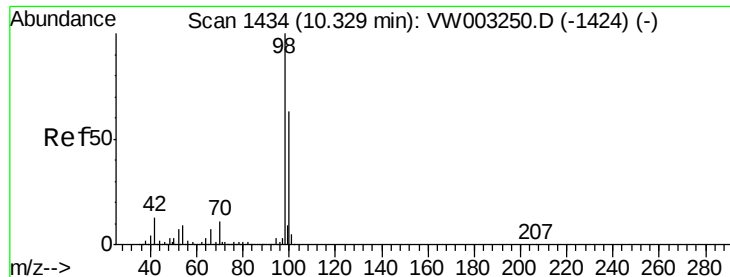


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 34.999 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003279.D

Acq: 15 Jun 2018 02:33

Instrument :

MSVOA_W

ClientSampleId :

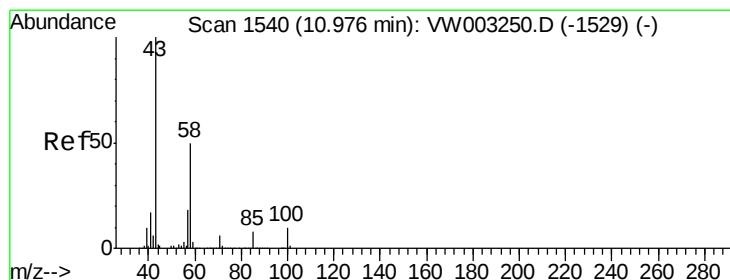
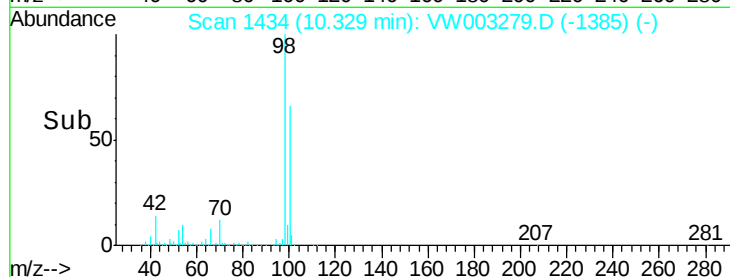
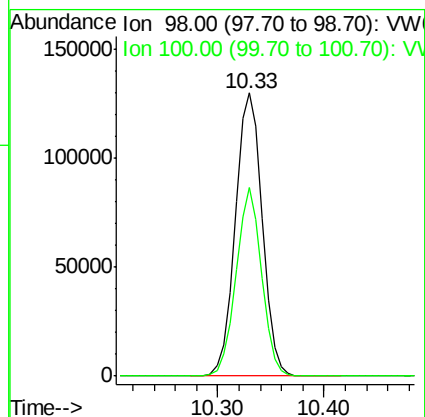
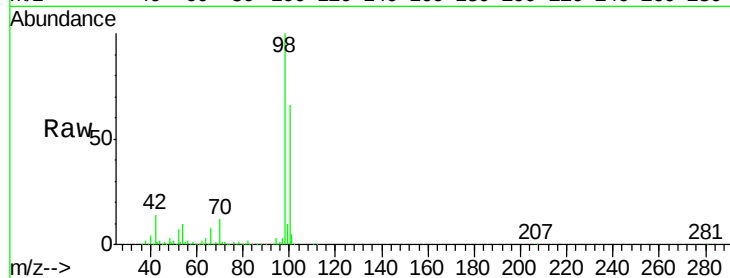
EPE-105-5(0-5)

Tgt Ion: 98 Resp: 230135

Ion Ratio Lower Upper

98 100

100 63.0 50.8 76.2



#59

2-Hexanone

Concen: 2.205 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. -0.04 min

Lab File: VW003279.D

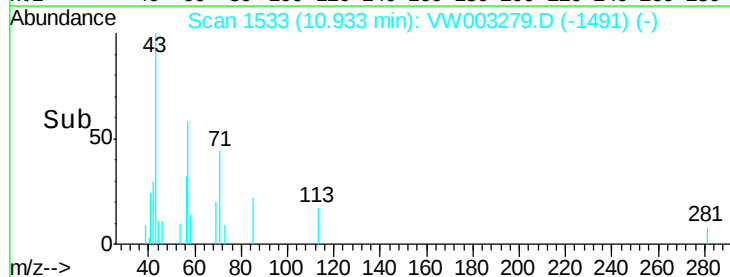
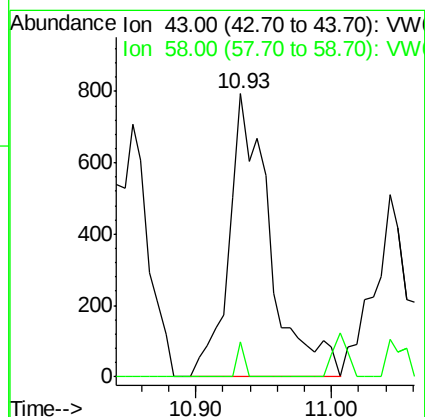
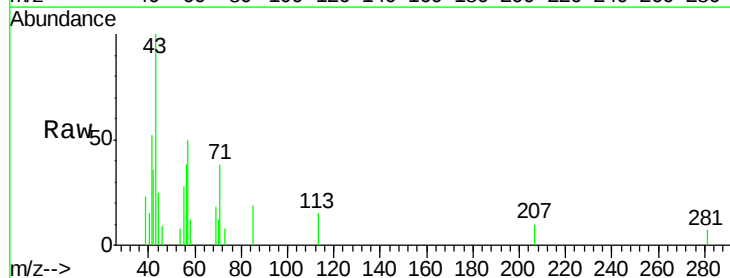
Acq: 15 Jun 2018 02:33

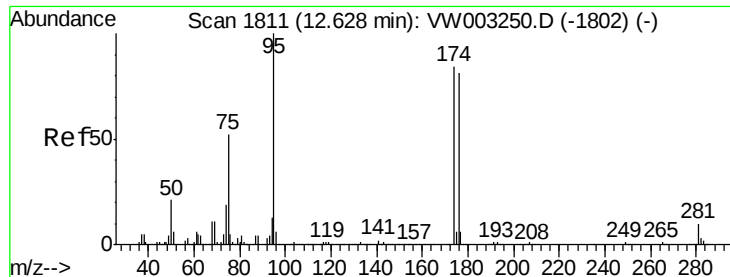
Tgt Ion: 43 Resp: 1664

Ion Ratio Lower Upper

43 100

58 2.2 25.0 75.0#





#62

4-Bromofluorobenzene

Concen: 38.816 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW003279.D

Acq: 15 Jun 2018 02:33

Instrument :

MSVOA_W

ClientSampleId :

EPE-105-5(0-5)

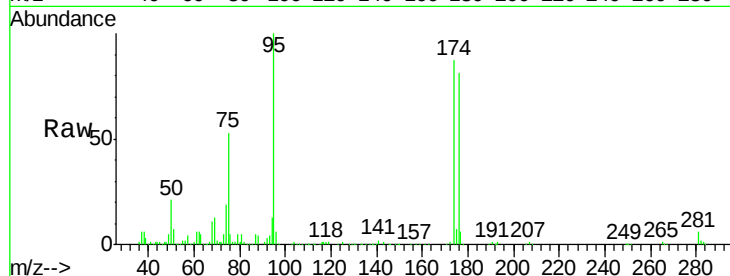
Tgt Ion: 95 Resp: 90327

Ion Ratio Lower Upper

95 100

174 86.1 0.0 166.4

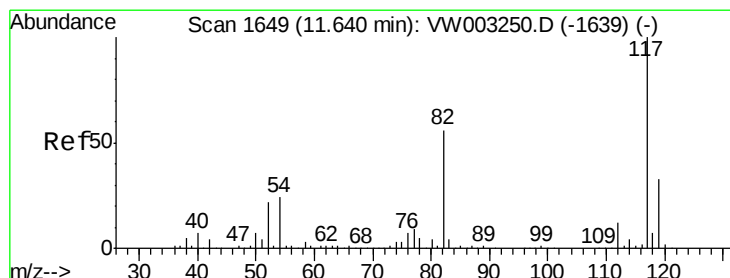
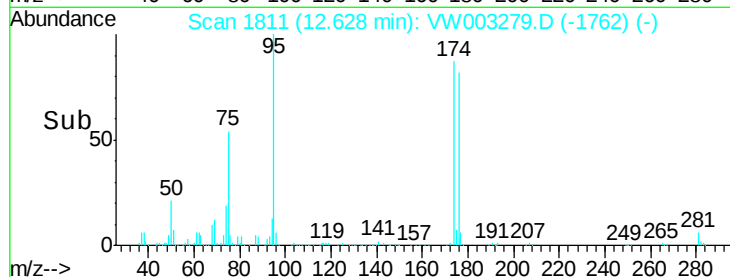
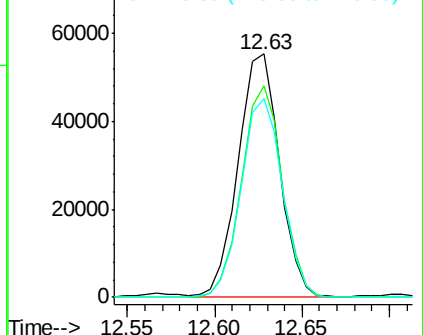
176 81.9 0.0 162.0



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# 1648

Delta R.T. -0.01 min

Lab File: VW003279.D

Acq: 15 Jun 2018 02:33

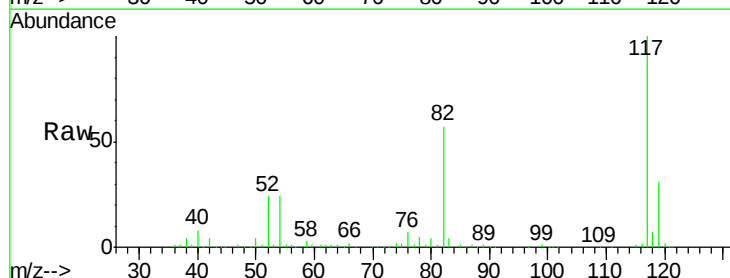
Tgt Ion: 117 Resp: 249678

Ion Ratio Lower Upper

117 100

82 56.7 44.6 67.0

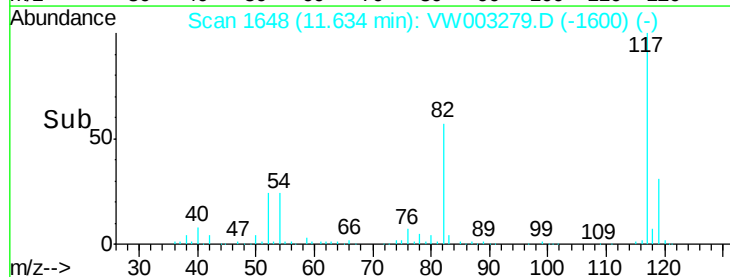
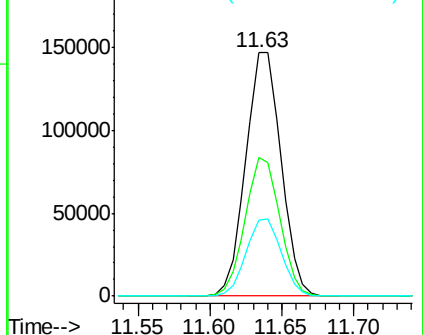
119 31.2 26.7 40.1

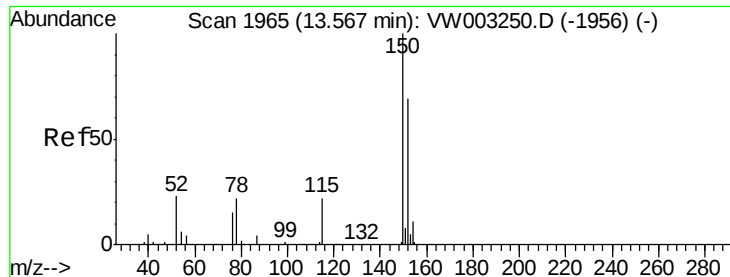


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003279.D

Acq: 15 Jun 2018 02:33

Instrument :

MSVOA_W

ClientSampleId :

EPE-105-5(0-5)

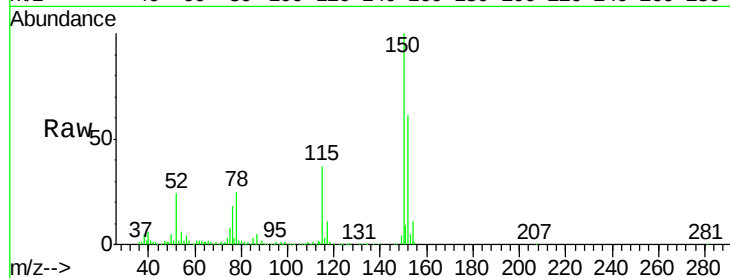
Tgt Ion:152 Resp: 130074

Ion Ratio Lower Upper

152 100

115 59.0 29.3 88.0

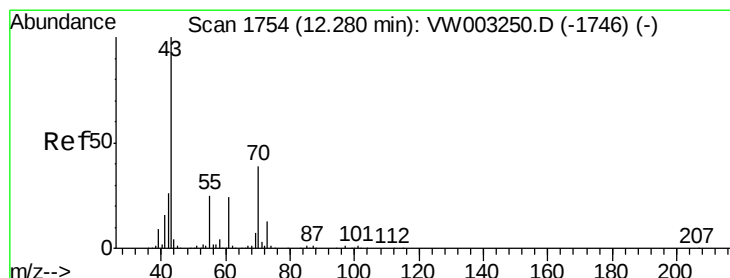
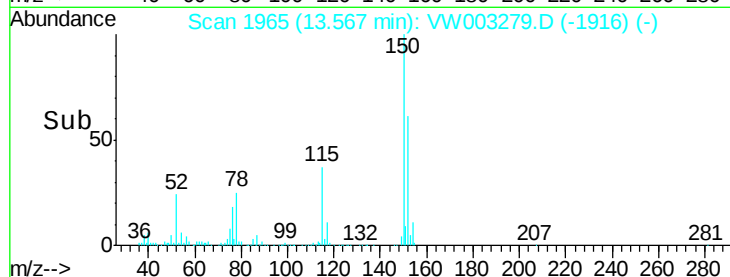
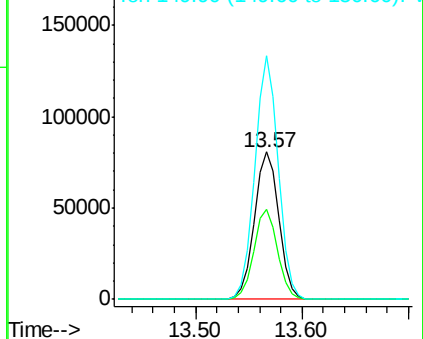
150 157.4 0.0 349.6



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



#74

N-ethyl acetate

Concen: 1.341 ug/l

RT: 12.26 min Scan# 1750

Delta R.T. -0.02 min

Lab File: VW003279.D

Acq: 15 Jun 2018 02:33

Tgt Ion: 43 Resp: 2761

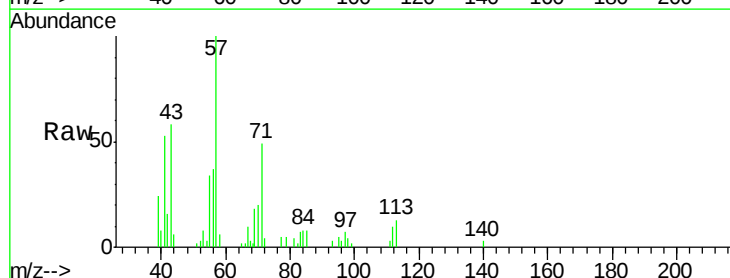
Ion Ratio Lower Upper

43 100

70 36.0 31.0 46.6

55 36.3 19.7 29.5#

61 0.0 18.1 27.1#

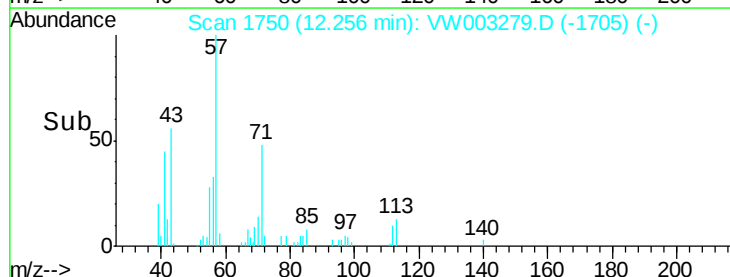
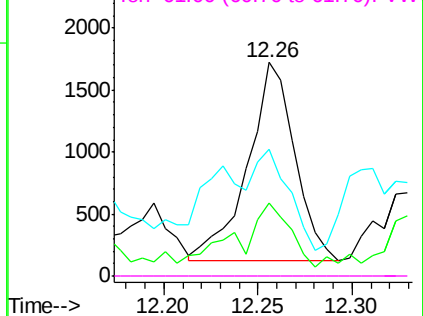


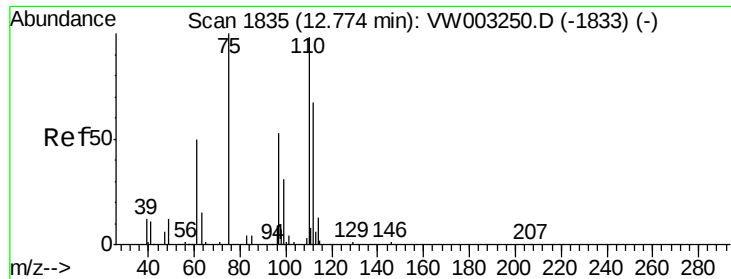
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

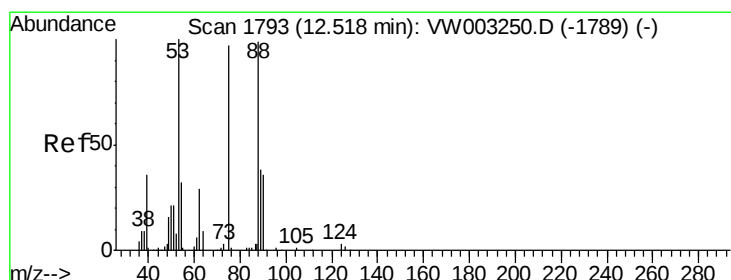
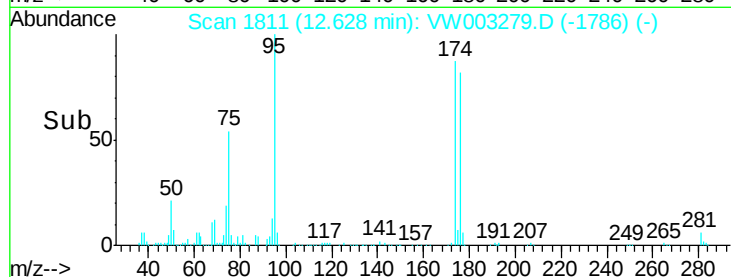
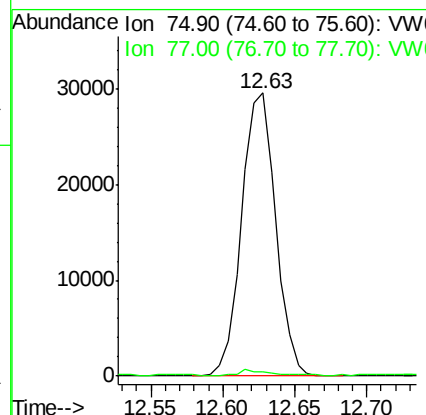
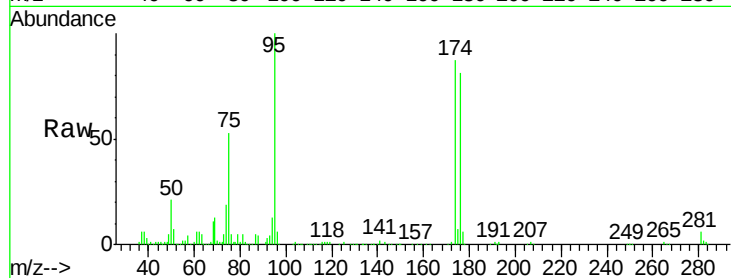




#76
 1,2,3-Trichloropropane
 Concen: 43.538 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.15 min
 Lab File: VW003279.D
 Acq: 15 Jun 2018 02:33

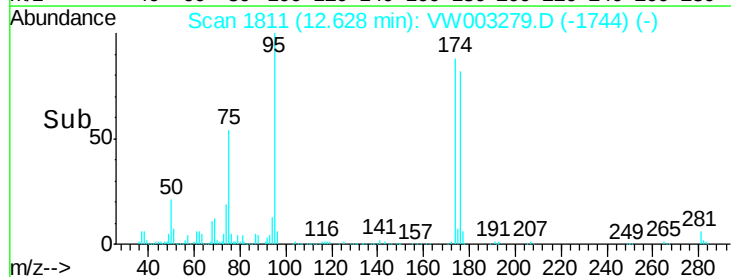
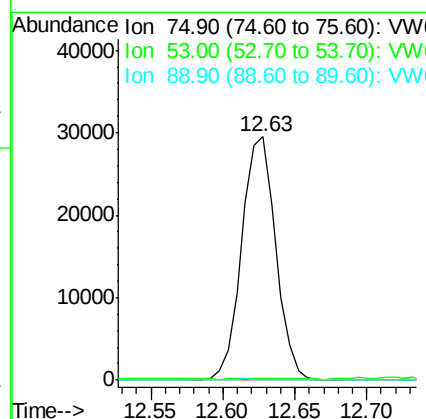
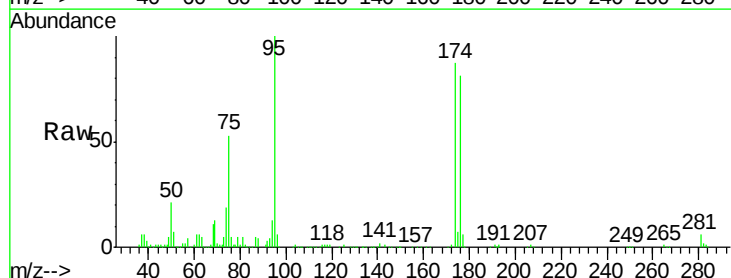
Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-105-5(0-5)

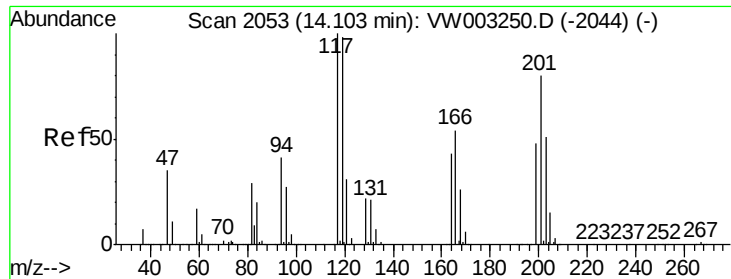
Tgt Ion: 75 Resp: 48414
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 100.184 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.11 min
 Lab File: VW003279.D
 Acq: 15 Jun 2018 02:33

Tgt Ion: 75 Resp: 48414
 Ion Ratio Lower Upper
 75 100
 53 0.8 82.9 124.3#
 89 0.2 36.7 55.1#





#90

Hexachloroethane

Concen: 3.389 ug/l

RT: 14.11 min Scan# 2054

Delta R.T. 0.01 min

Lab File: VW003279.D

Acq: 15 Jun 2018 02:33

Instrument :

MSVOA_W

ClientSampleId :

EPE-105-5(0-5)

Tgt Ion:117 Resp: 5202

Ion Ratio Lower Upper

117 100

201 0.0 39.5 118.5#

