

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
 Data File : VW000967.D
 Acq On : 24 Jan 2018 23:59
 Operator : JC/SY
 Sample : J1288-08
 Misc : 5.95G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-121-2(25-27)

Quant Time: Jan 25 04:47:02 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 13:31:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	264665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	409625	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	369922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	175731	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	143957	56.75	ug/l	0.00
Spiked Amount			Recovery	=	113.50%	
35) Dibromofluoromethane	7.88	113	121834	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
50) Toluene-d8	10.34	98	512708	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
62) 4-Bromofluorobenzene	12.63	95	170560	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	

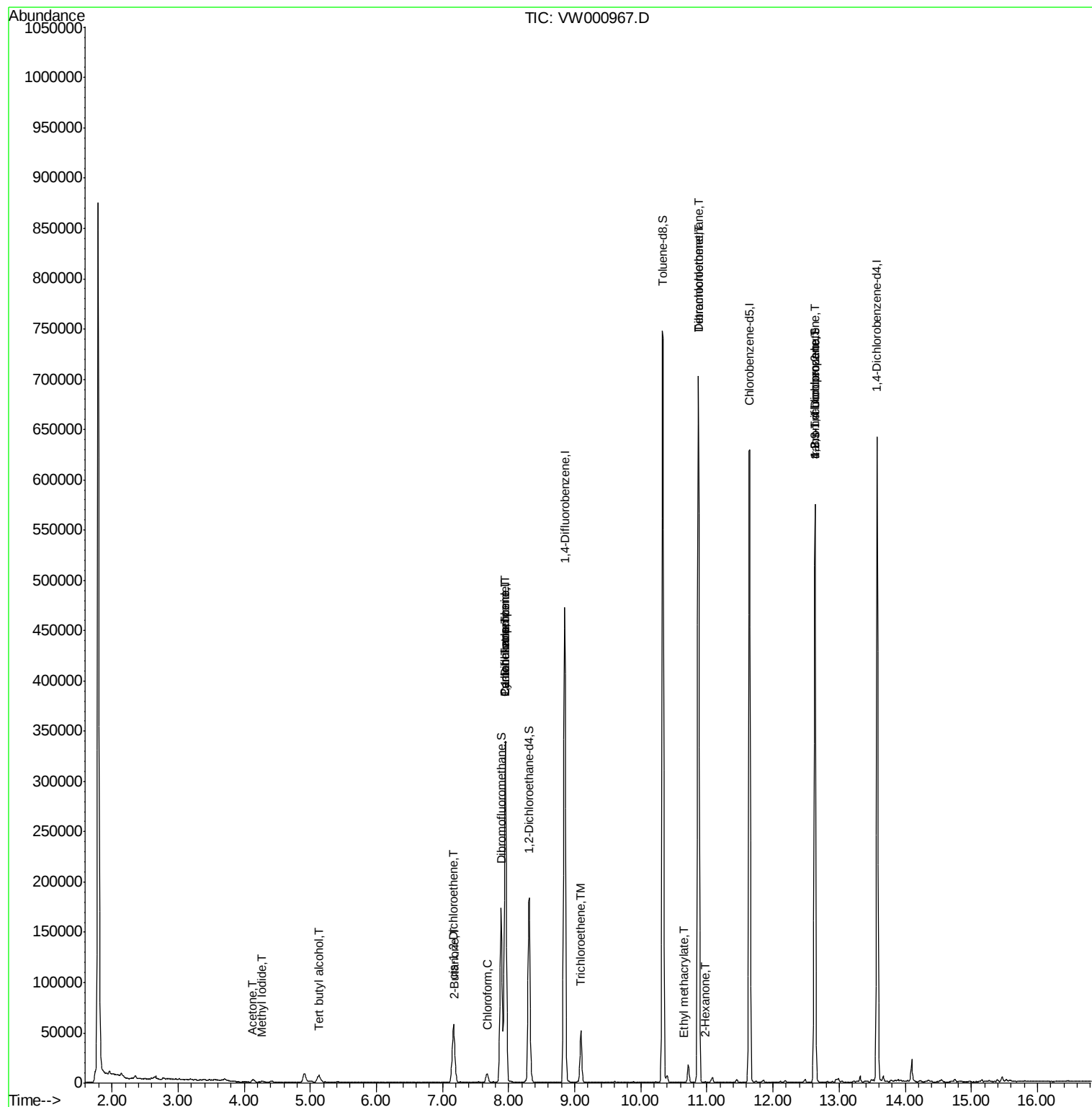
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.26	142	1431	5.35	ug/l	89
11) Tert butyl alcohol	5.12	59	6492	23.60	ug/l #	78
16) Acetone	4.14	43	4364	21.66	ug/l	93
20) Methylene Chloride	4.90	84	6652	Below Cal		93
25) 2-Butanone	7.19	43	1868	1.66	ug/l #	85
27) cis-1,2-Dichloroethene	7.17	96	28602	11.11	ug/l	88
30) Chloroform	7.68	83	6404	1.48	ug/l #	80
31) Cyclohexane	7.95	56	4846	1.17	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	17966	4.60	ug/l #	49
38) Carbon Tetrachloride	7.95	117	25404	5.89	ug/l #	18
44) Trichloroethene	9.10	130	18619	5.90	ug/l	84
56) Ethyl methacrylate	10.65	69	45	3.26	ug/l #	1
59) 2-Hexanone	10.98	43	224	14.78	ug/l #	58
60) Dibromochloromethane	10.87	129	135603	50.76	ug/l #	11
64) Tetrachloroethene	10.87	164	164121	53.46	ug/l	96
76) 1,2,3-Trichloropropane	12.63	75	85326	41.96	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	85326	100.26	ug/l #	11

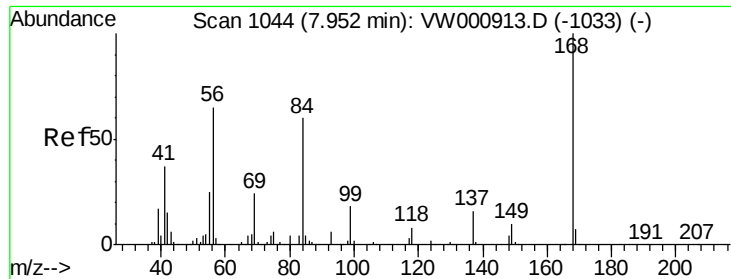
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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EPE-121-2(25-27)

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW000967.D

Acq: 24 Jan 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

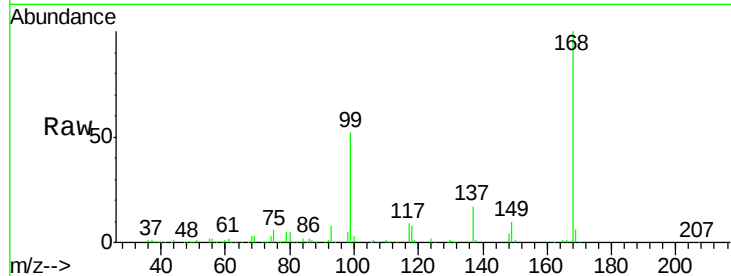
EPE-121-2(25-27)

Tgt Ion:168 Resp: 264665

Ion Ratio Lower Upper

168 100

99 52.0 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

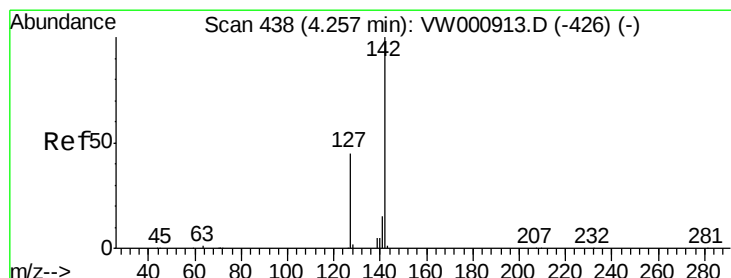
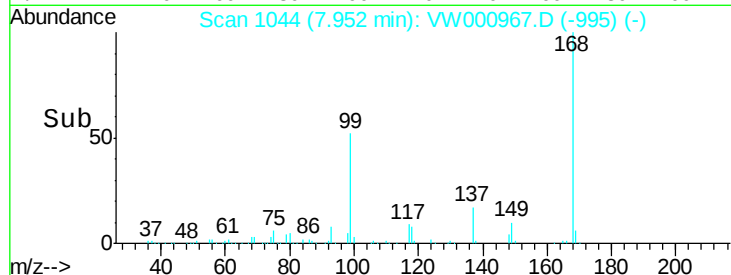
7.95

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 5.35 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.01 min

Lab File: VW000967.D

Acq: 24 Jan 2018 23:59

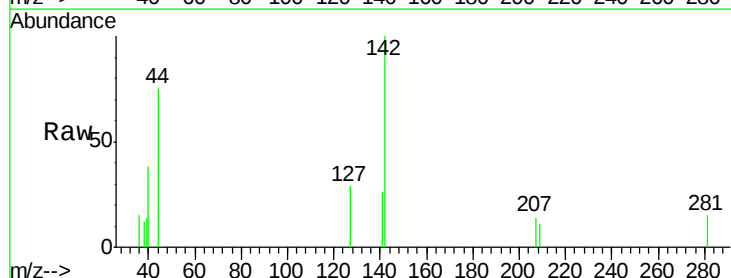
Tgt Ion:142 Resp: 1431

Ion Ratio Lower Upper

142 100

127 36.5 35.5 53.3

141 12.2 11.7 17.5



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.26

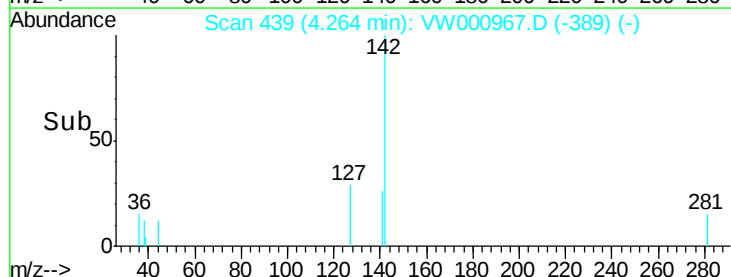
600

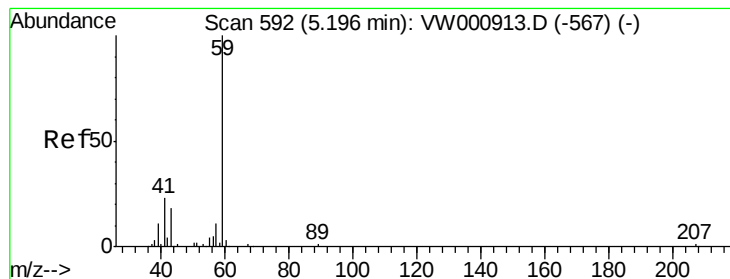
400

200

0

Time-->





#11

Tert butyl alcohol

Concen: 23.60 ug/l

RT: 5.12 min Scan# 580

Delta R.T. -0.07 min

Lab File: VW000967.D

Acq: 24 Jan 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

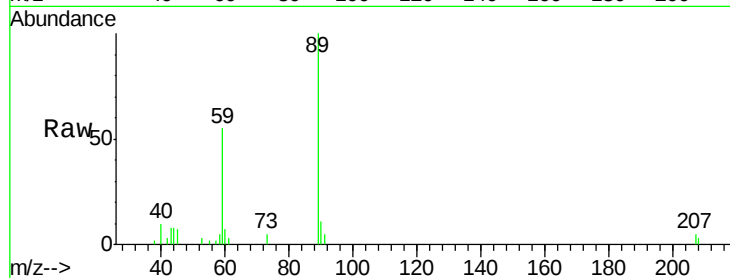
EPE-121-2(25-27)

Tgt Ion: 59 Resp: 6492

Ion Ratio Lower Upper

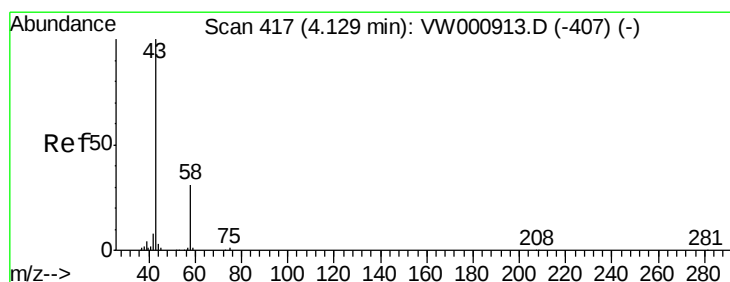
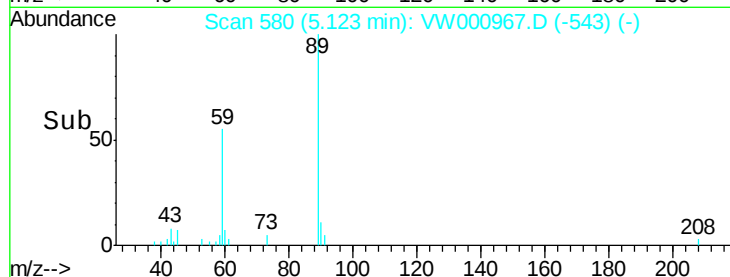
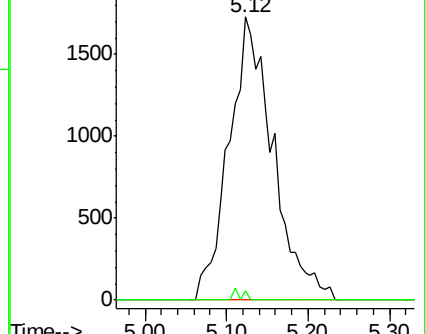
59 100

57 0.7 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#16

Acetone

Concen: 21.66 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.01 min

Lab File: VW000967.D

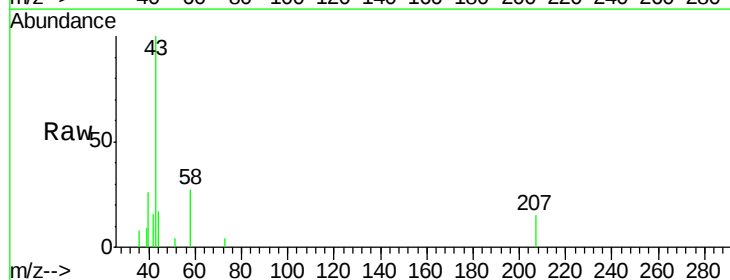
Acq: 24 Jan 2018 23:59

Tgt Ion: 43 Resp: 4364

Ion Ratio Lower Upper

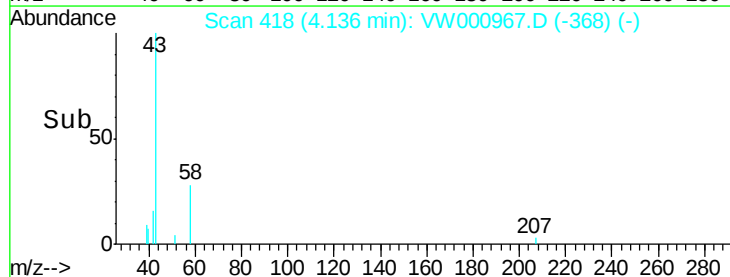
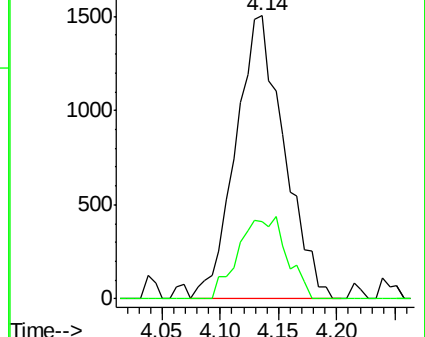
43 100

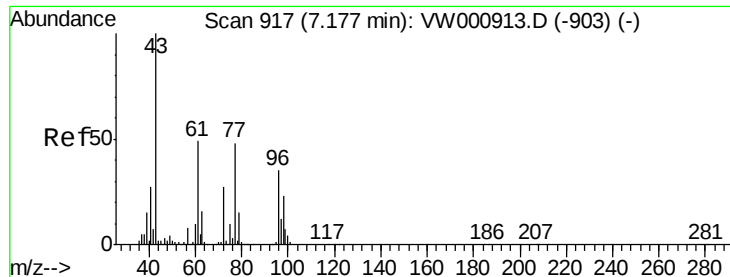
58 27.1 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#25

2-Butanone

Concen: 1.66 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW000967.D

Acq: 24 Jan 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

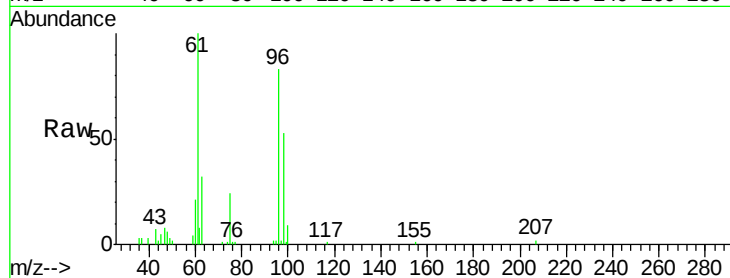
EPE-121-2(25-27)

Tgt Ion: 43 Resp: 1868

Ion Ratio Lower Upper

43 100

72 19.0 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.19

500

400

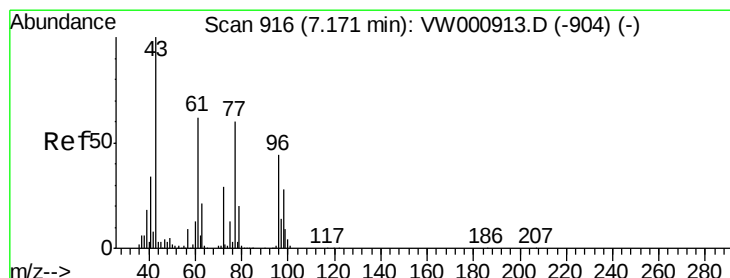
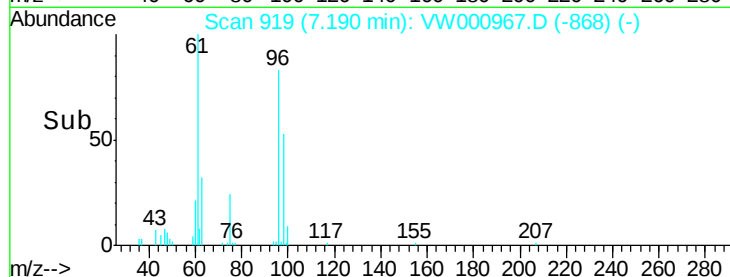
300

200

100

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 11.11 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW000967.D

Acq: 24 Jan 2018 23:59

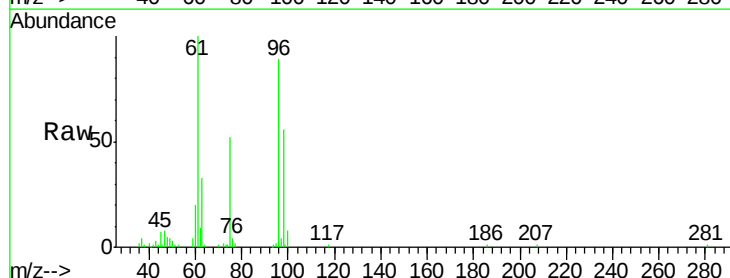
Tgt Ion: 96 Resp: 28602

Ion Ratio Lower Upper

96 100

61 119.4 0.0 279.8

98 61.8 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

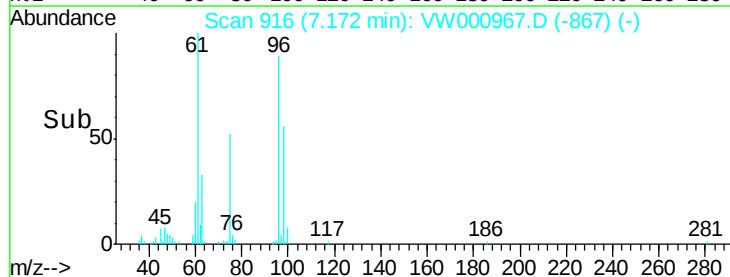
15000

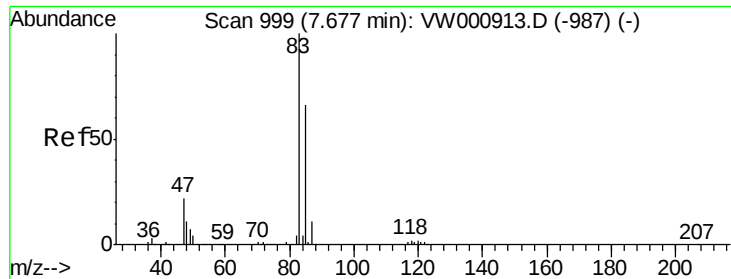
10000

5000

0

Time-->

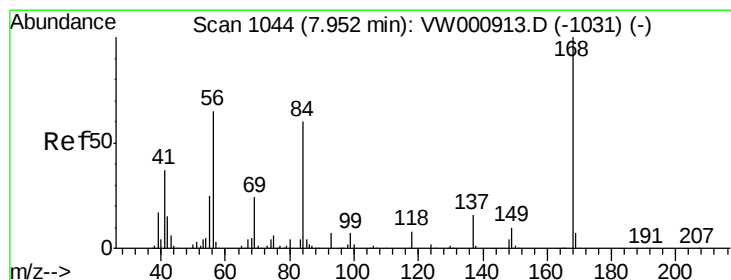
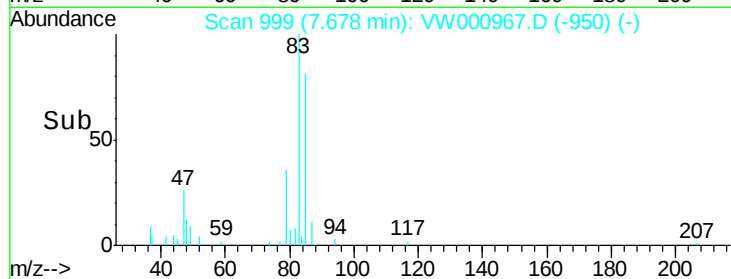
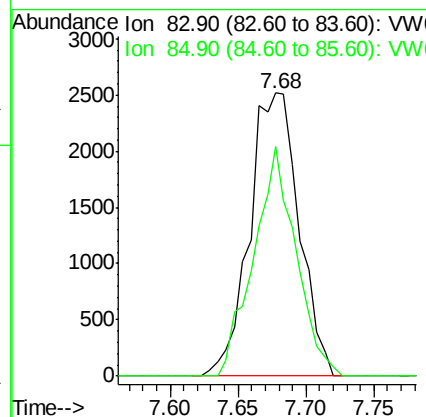
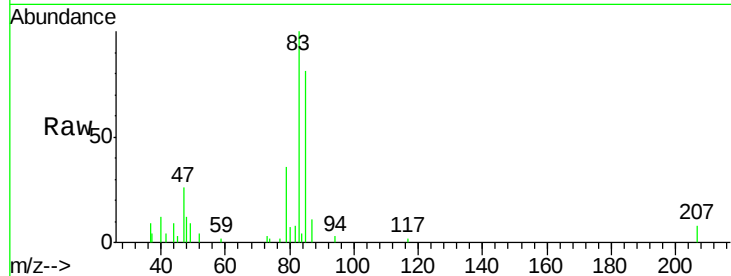




#30
Chloroform
Concen: 1.48 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW000967.D
Acq: 24 Jan 2018 23:59

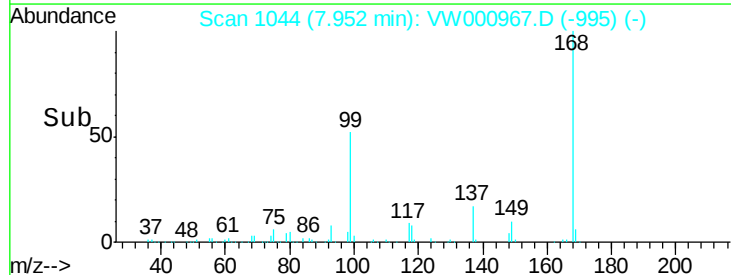
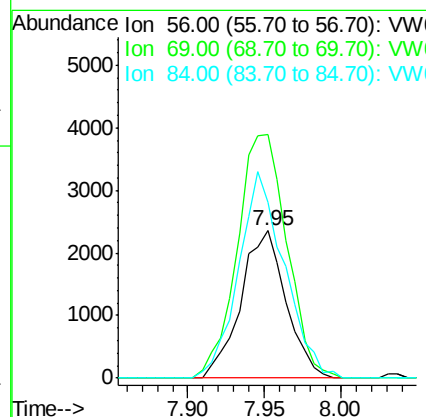
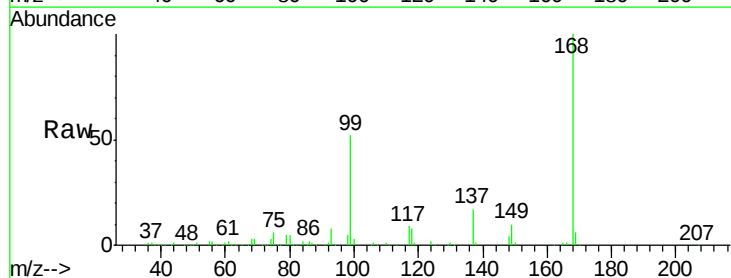
Instrument :
MSVOA_W
ClientSampleId :
EPE-121-2(25-27)

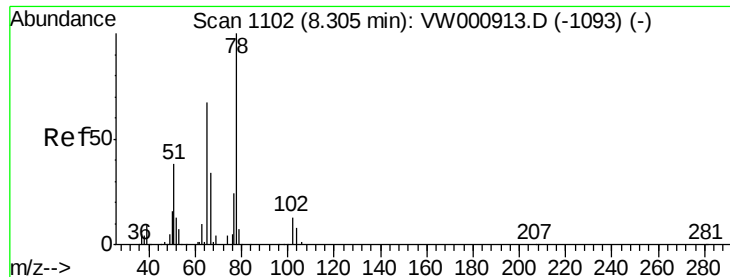
Tgt Ion: 83 Resp: 6404
Ion Ratio Lower Upper
83 100
85 81.3 52.5 78.7#



#31
Cyclohexane
Concen: 1.17 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW000967.D
Acq: 24 Jan 2018 23:59

Tgt Ion: 56 Resp: 4846
Ion Ratio Lower Upper
56 100
69 165.0 29.2 43.8#
84 118.9 73.6 110.4#

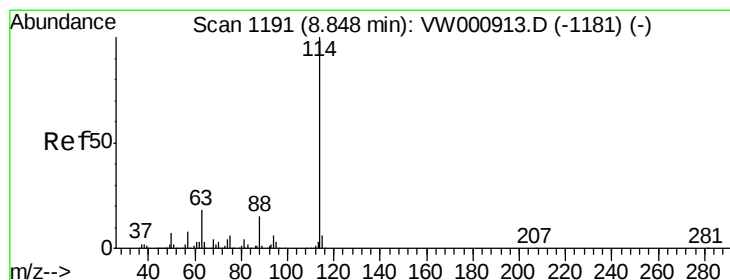
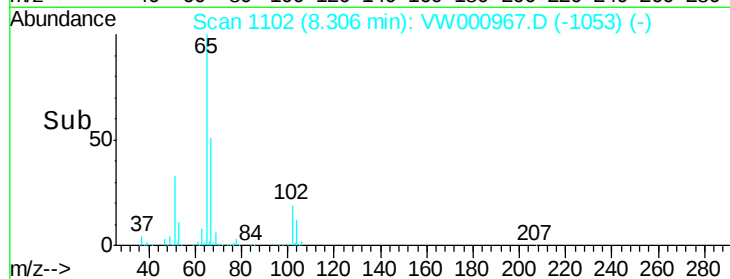
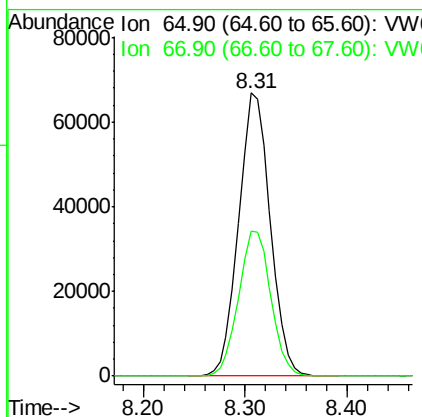
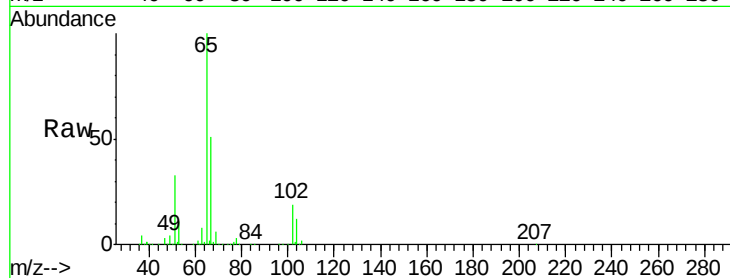




#33
 1,2-Dichloroethane-d4
 Concen: 56.75 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW000967.D
 Acq: 24 Jan 2018 23:59

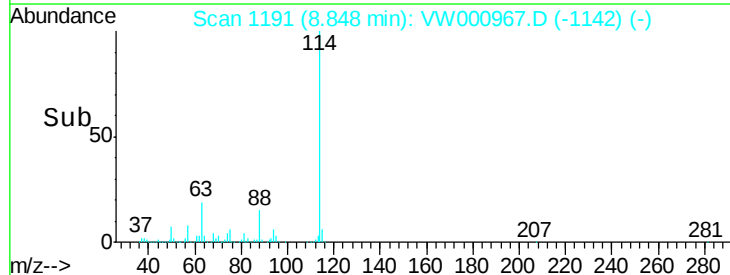
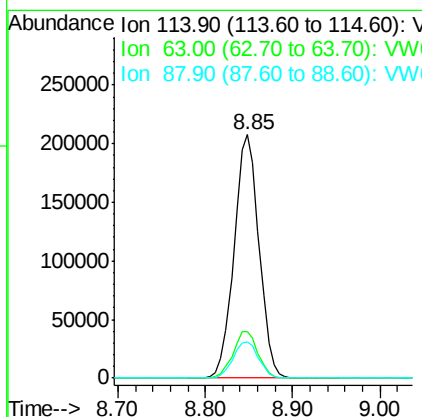
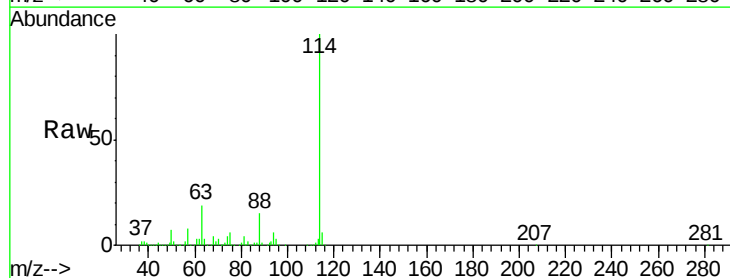
Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-121-2(25-27)

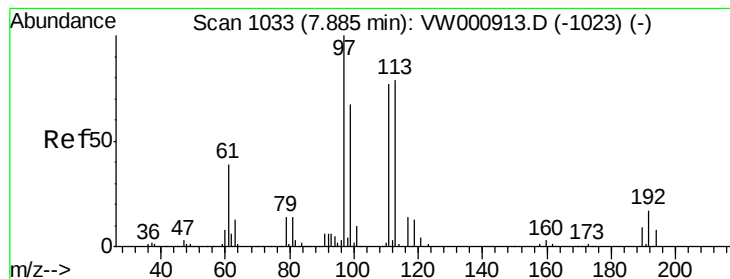
Tgt Ion: 65 Resp: 143957
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW000967.D
 Acq: 24 Jan 2018 23:59

Tgt Ion: 114 Resp: 409625
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 36.8
 88 15.1 0.0 29.8





#35

Dibromofluoromethane

Concen: 48.55 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW000967.D

Acq: 24 Jan 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

EPE-121-2(25-27)

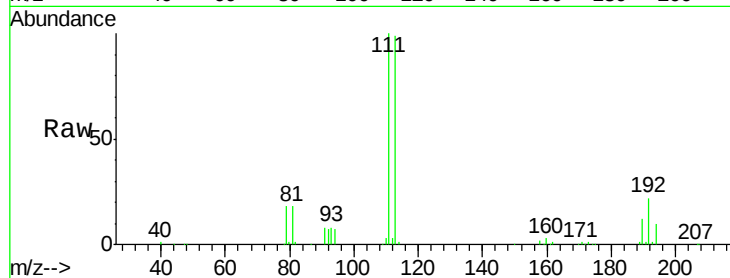
Tgt Ion:113 Resp: 121834

Ion Ratio Lower Upper

113 100

111 101.8 80.4 120.6

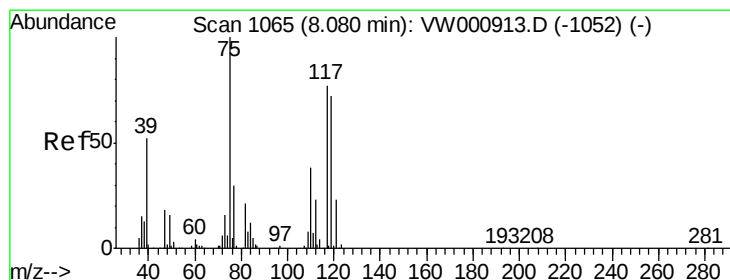
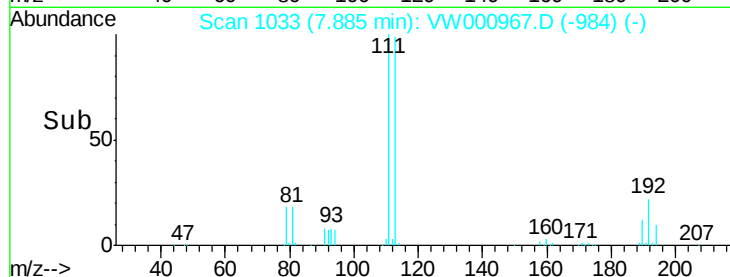
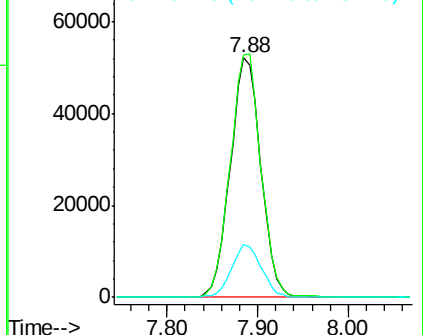
192 21.6 17.0 25.4



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: 4.60 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW000967.D

Acq: 24 Jan 2018 23:59

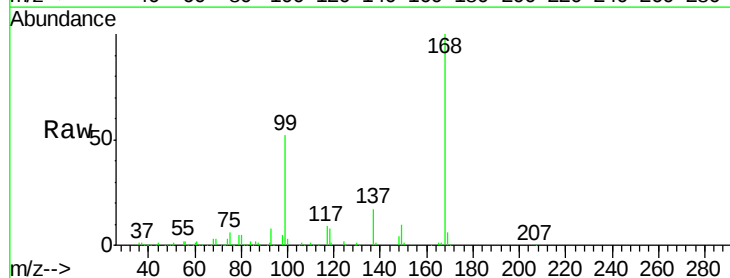
Tgt Ion: 75 Resp: 17966

Ion Ratio Lower Upper

75 100

110 8.9 18.6 56.0#

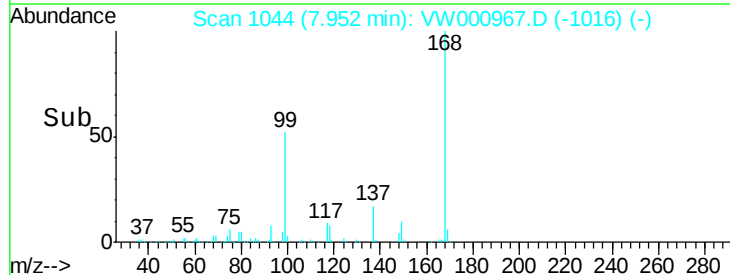
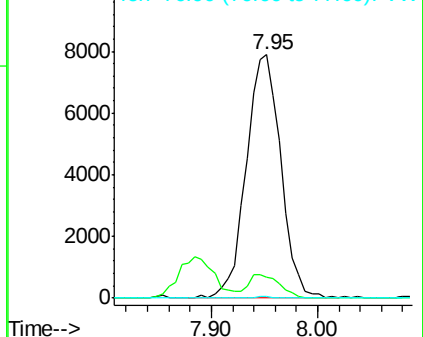
77 0.0 24.6 36.8#

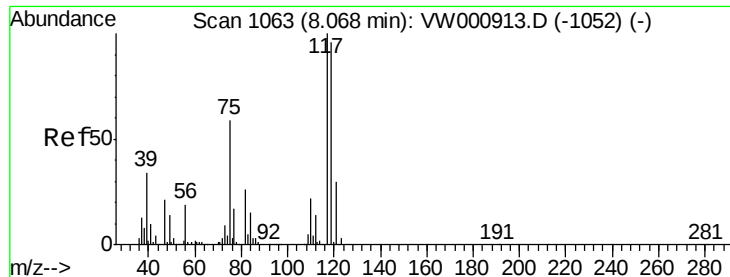


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.89 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW000967.D

Acq: 24 Jan 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

EPE-121-2(25-27)

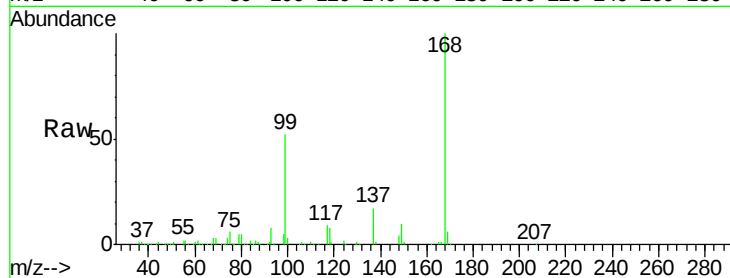
Tgt Ion:117 Resp: 25404

Ion Ratio Lower Upper

117 100

119 7.3 76.5 114.7#

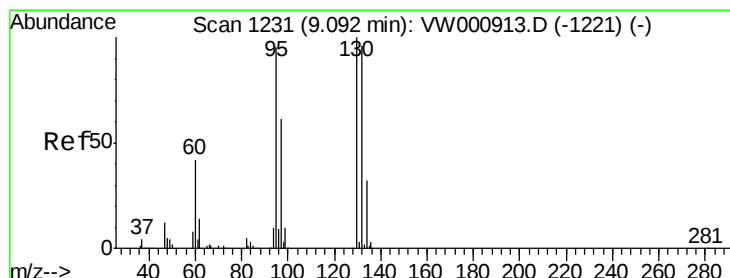
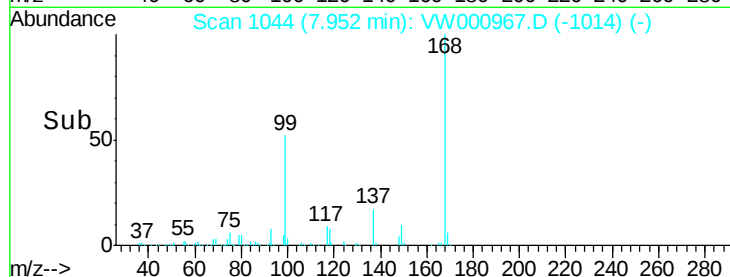
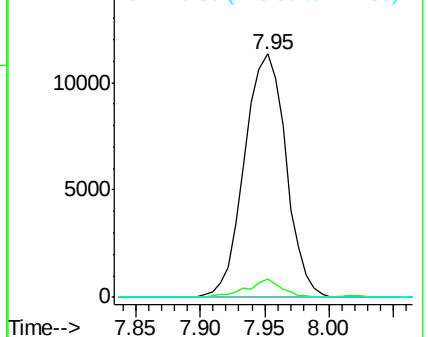
121 0.0 24.3 36.5#



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



#44

Trichloroethene

Concen: 5.90 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VW000967.D

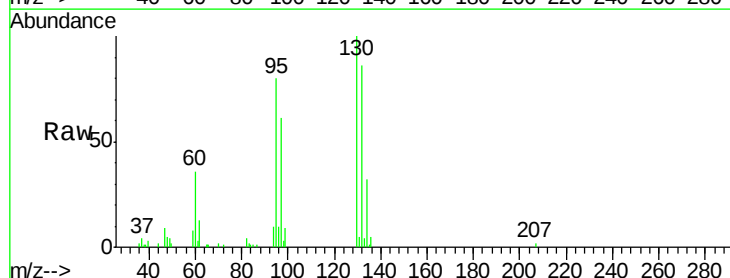
Acq: 24 Jan 2018 23:59

Tgt Ion:130 Resp: 18619

Ion Ratio Lower Upper

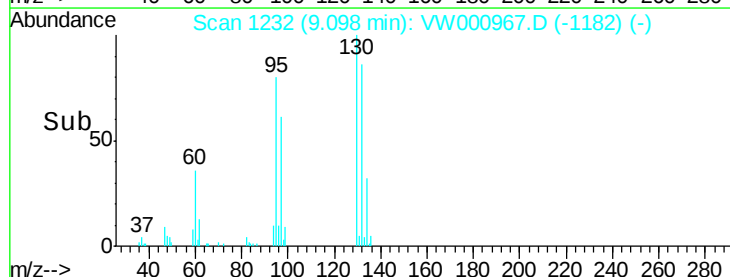
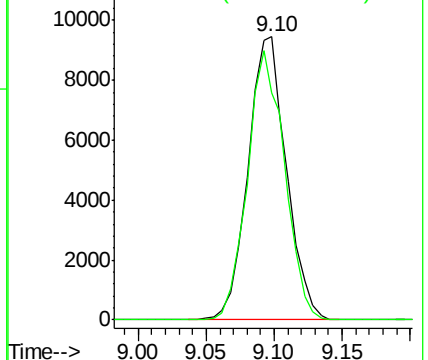
130 100

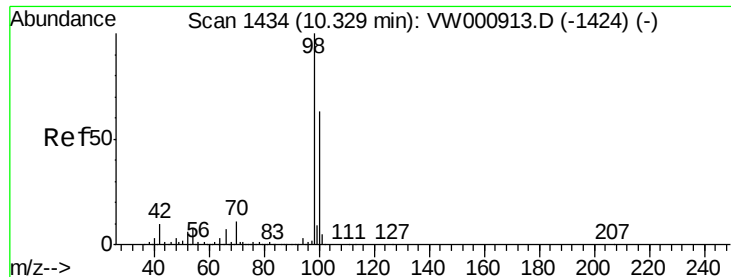
95 80.0 0.0 190.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VV





#50

Toluene-d8

Concen: 51.83 ug/l

RT: 10.34 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VW000967.D

Acq: 24 Jan 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

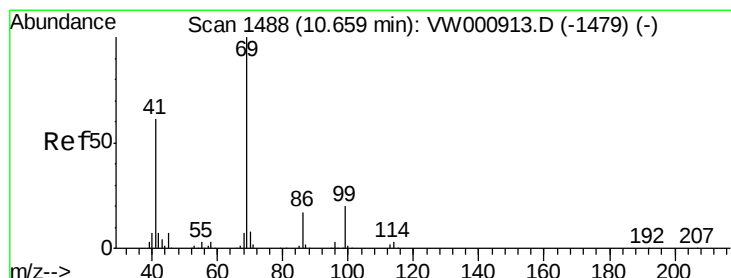
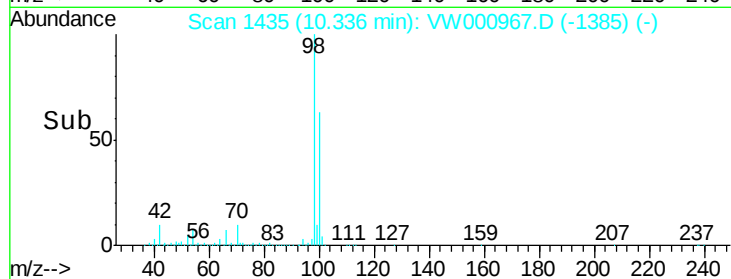
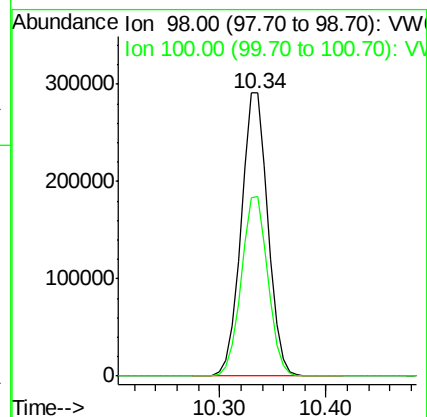
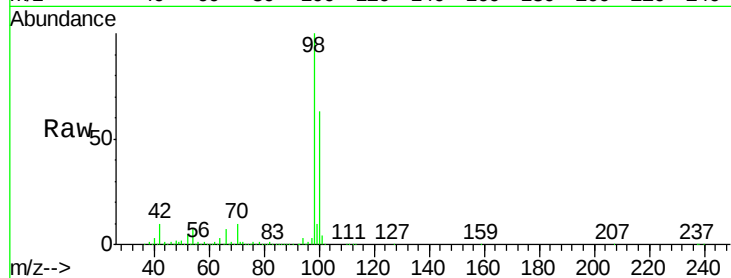
EPE-121-2(25-27)

Tgt Ion: 98 Resp: 512708

Ion Ratio Lower Upper

98 100

100 63.3 50.8 76.2



#56

Ethyl methacrylate

Concen: 3.26 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VW000967.D

Acq: 24 Jan 2018 23:59

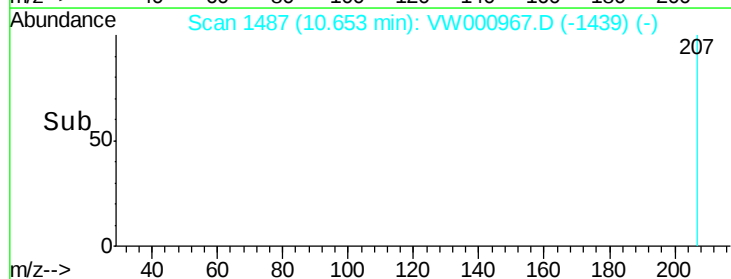
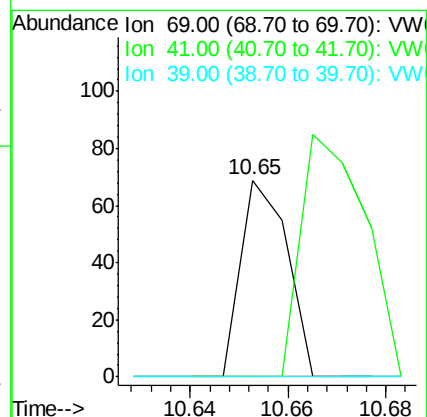
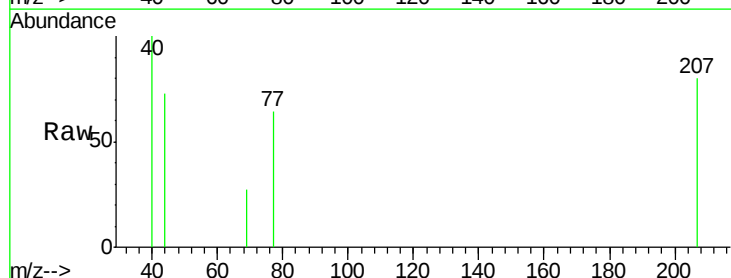
Tgt Ion: 69 Resp: 45

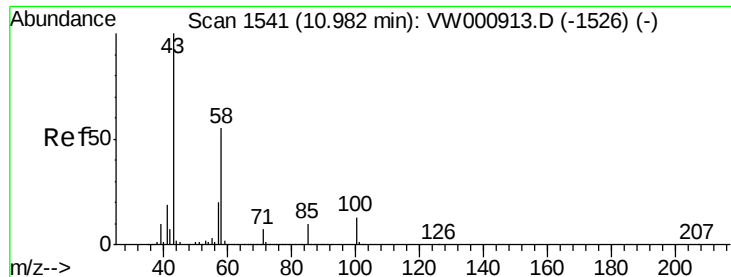
Ion Ratio Lower Upper

69 100

41 173.3 50.3 75.5#

39 0.0 28.6 42.8#

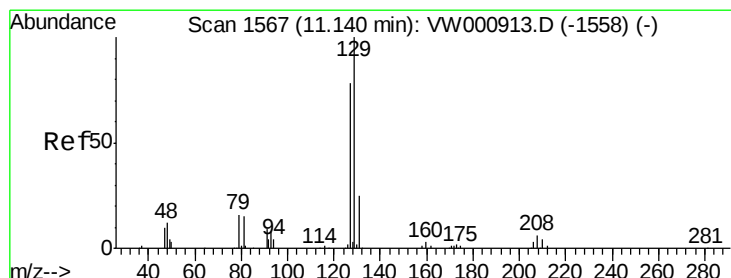
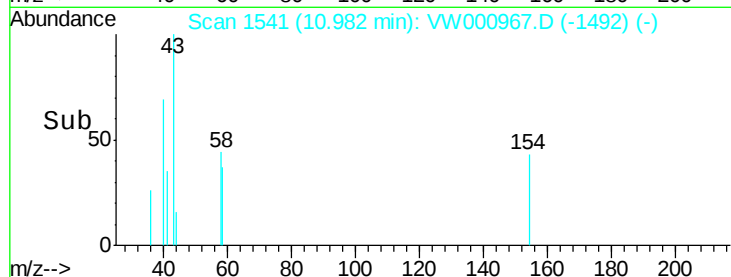
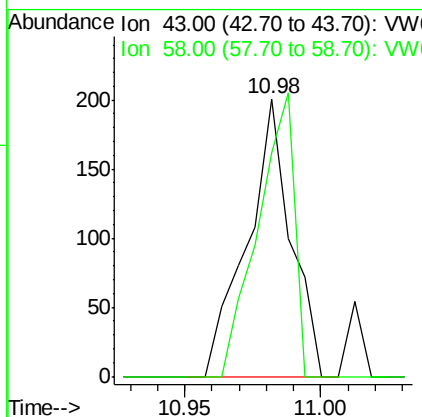
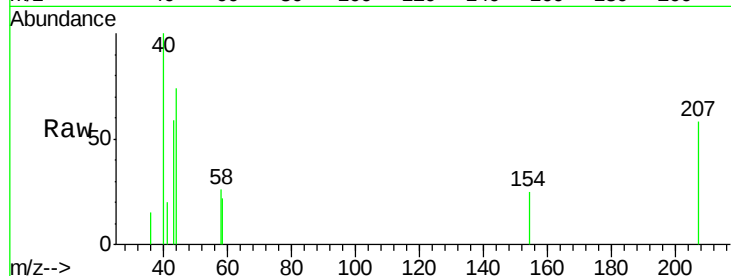




#59
2-Hexanone
Concen: 14.78 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VW000967.D
Acq: 24 Jan 2018 23:59

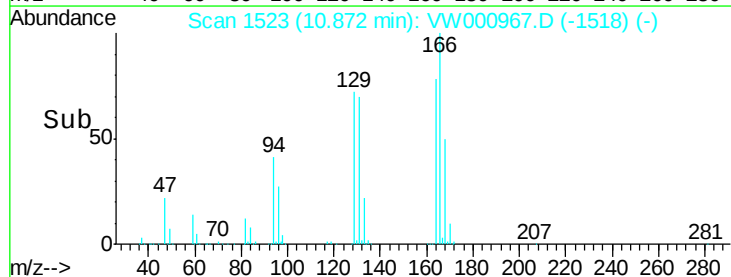
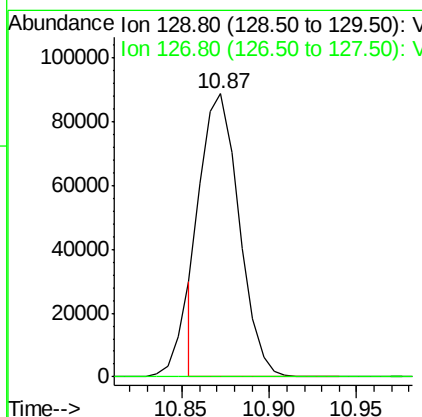
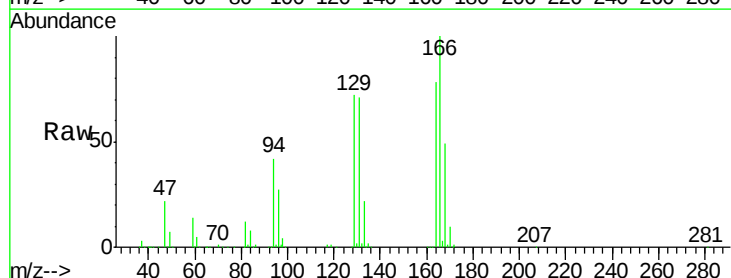
Instrument :
MSVOA_W
ClientSampleId :
EPE-121-2(25-27)

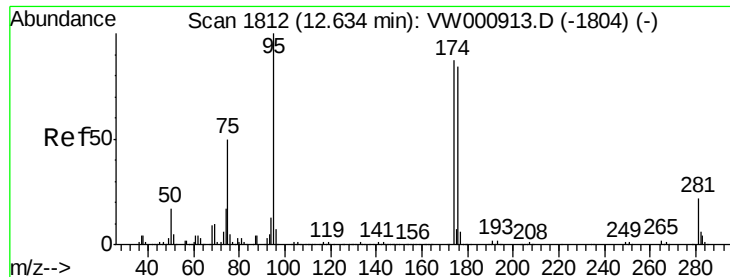
Tgt Ion: 43 Resp: 224
Ion Ratio Lower Upper
43 100
58 84.8 27.4 82.2#



#60
Dibromochloromethane
Concen: 50.76 ug/l
RT: 10.87 min Scan# 1523
Delta R.T. -0.27 min
Lab File: VW000967.D
Acq: 24 Jan 2018 23:59

Tgt Ion: 129 Resp: 135603
Ion Ratio Lower Upper
129 100
127 0.2 38.4 115.2#





#62

4-Bromofluorobenzene

Concen: 47.34 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW000967.D

Acq: 24 Jan 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

EPE-121-2(25-27)

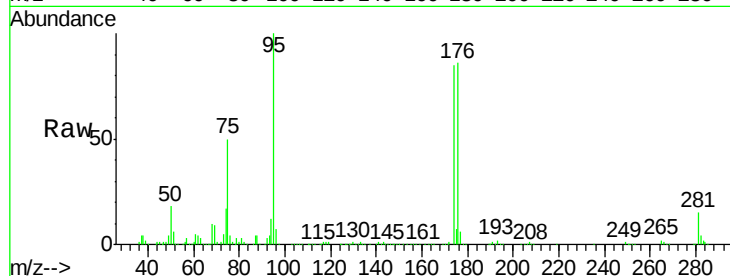
Tgt Ion: 95 Resp: 170560

Ion Ratio Lower Upper

95 100

174 87.6 0.0 176.8

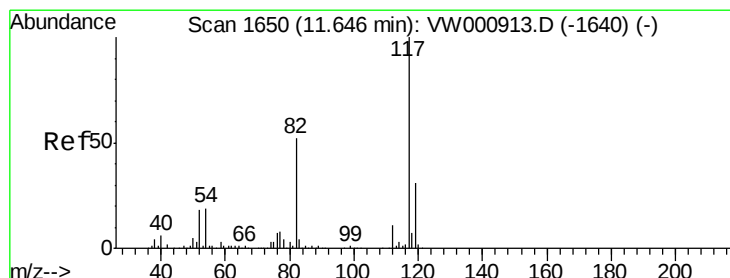
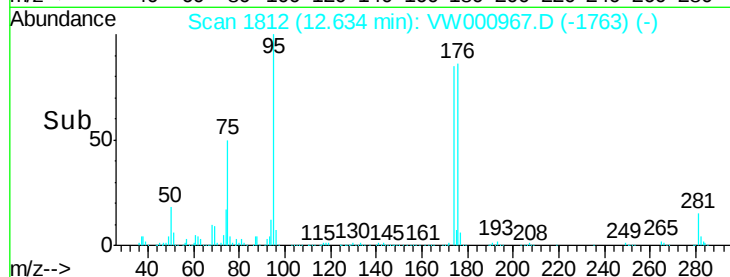
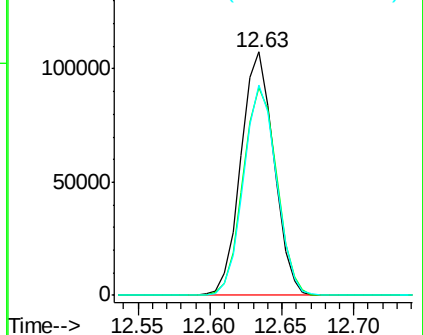
176 85.8 0.0 171.8



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: 50.00 ug/l

RT: 11.65 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VW000967.D

Acq: 24 Jan 2018 23:59

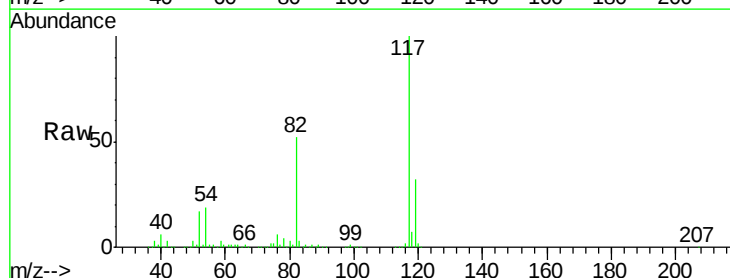
Tgt Ion: 117 Resp: 369922

Ion Ratio Lower Upper

117 100

82 52.5 41.8 62.6

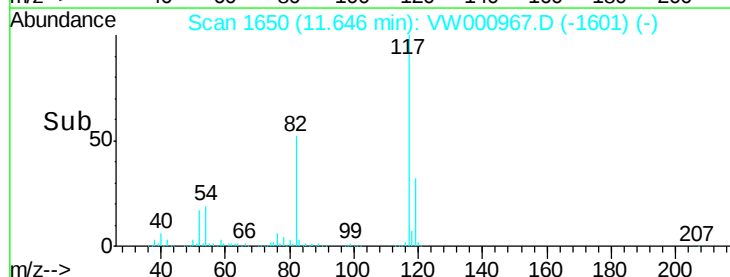
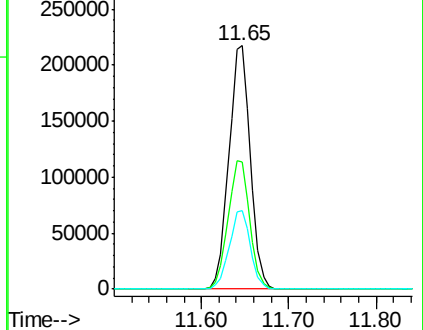
119 32.3 25.2 37.8

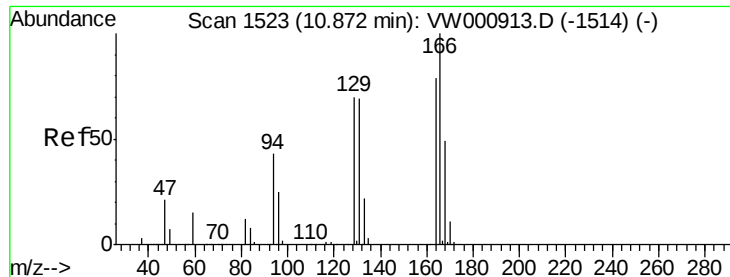


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#64

Tetrachloroethene

Concen: 53.46 ug/l

RT: 10.87 min Scan# 1523

Delta R.T. 0.00 min

Lab File: VW000967.D

Acq: 24 Jan 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

EPE-121-2(25-27)

Tgt Ion:164 Resp: 164121

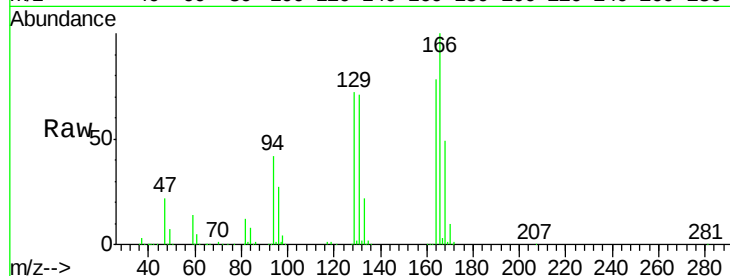
Ion Ratio Lower Upper

164 100

166 128.5 100.9 151.3

129 92.6 70.5 105.7

131 90.7 69.4 104.2

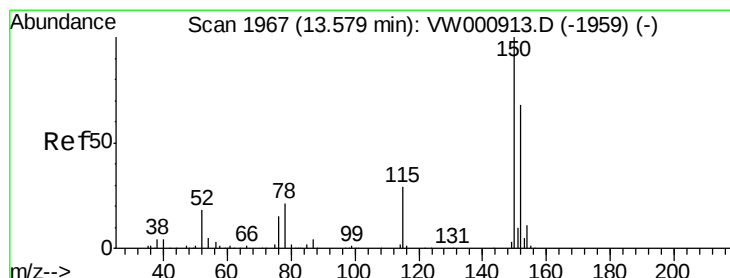
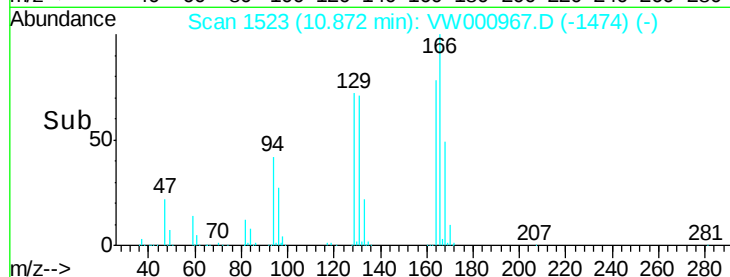
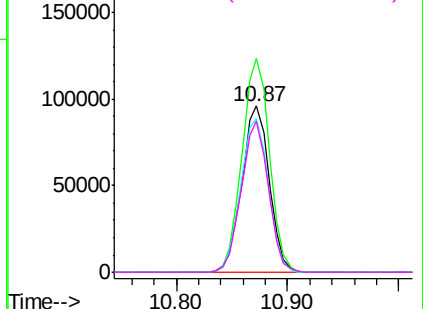


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1967

Delta R.T. 0.00 min

Lab File: VW000967.D

Acq: 24 Jan 2018 23:59

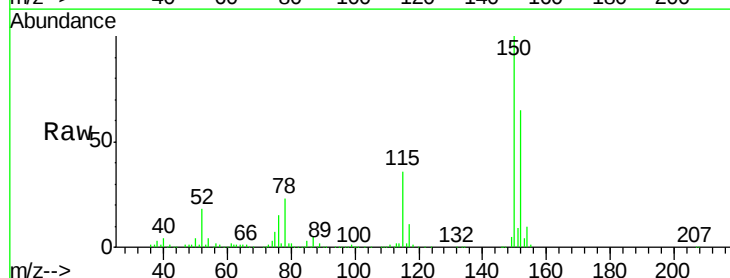
Tgt Ion:152 Resp: 175731

Ion Ratio Lower Upper

152 100

115 57.1 28.5 85.5

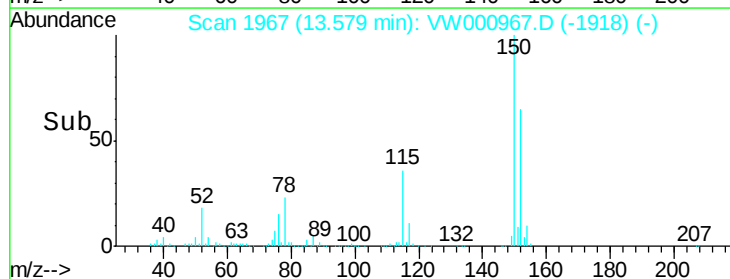
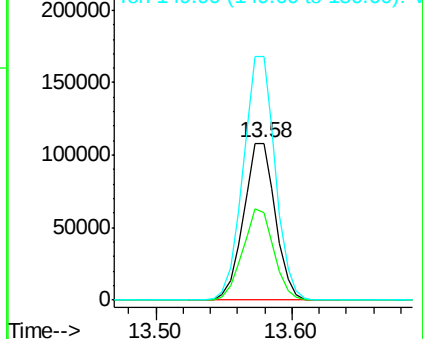
150 156.7 0.0 342.0

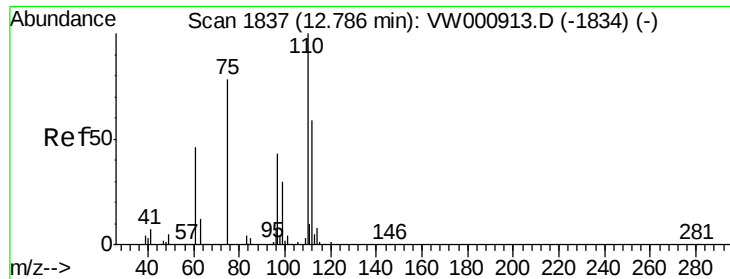


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 41.96 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.15 min

Lab File: VW000967.D

Acq: 24 Jan 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

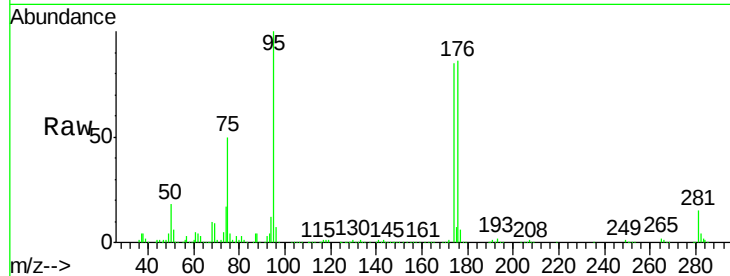
EPE-121-2(25-27)

Tgt Ion: 75 Resp: 85326

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

12.63

60000

50000

40000

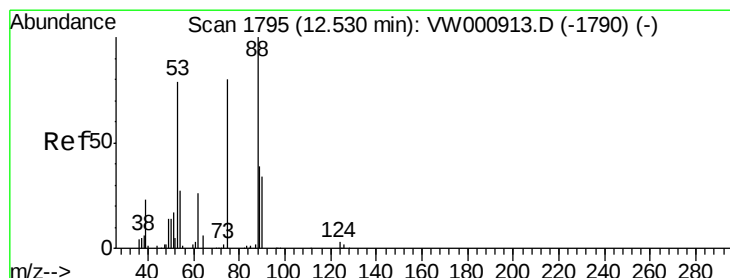
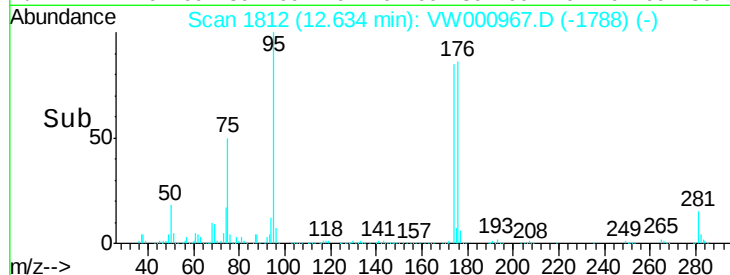
30000

20000

10000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 100.26 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.10 min

Lab File: VW000967.D

Acq: 24 Jan 2018 23:59

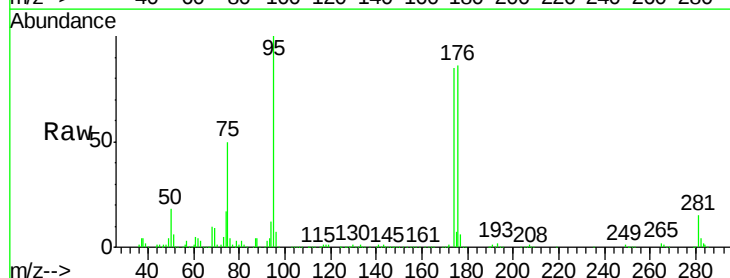
Tgt Ion: 75 Resp: 85326

Ion Ratio Lower Upper

75 100

53 0.1 77.5 116.3#

89 0.2 38.2 57.4#



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

12.63

60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70

