

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
 Data File : VW000968.D
 Acq On : 25 Jan 2018 00:24
 Operator : JC/SY
 Sample : J1288-07
 Misc : 7.08G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-121-2(20-22)

Quant Time: Jan 25 04:47:15 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	264395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	405677	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	379337	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	199162	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	143404	56.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.18%	
35) Dibromofluoromethane	7.89	113	134230	54.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.02%	
50) Toluene-d8	10.34	98	493211	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.63	95	174243	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	

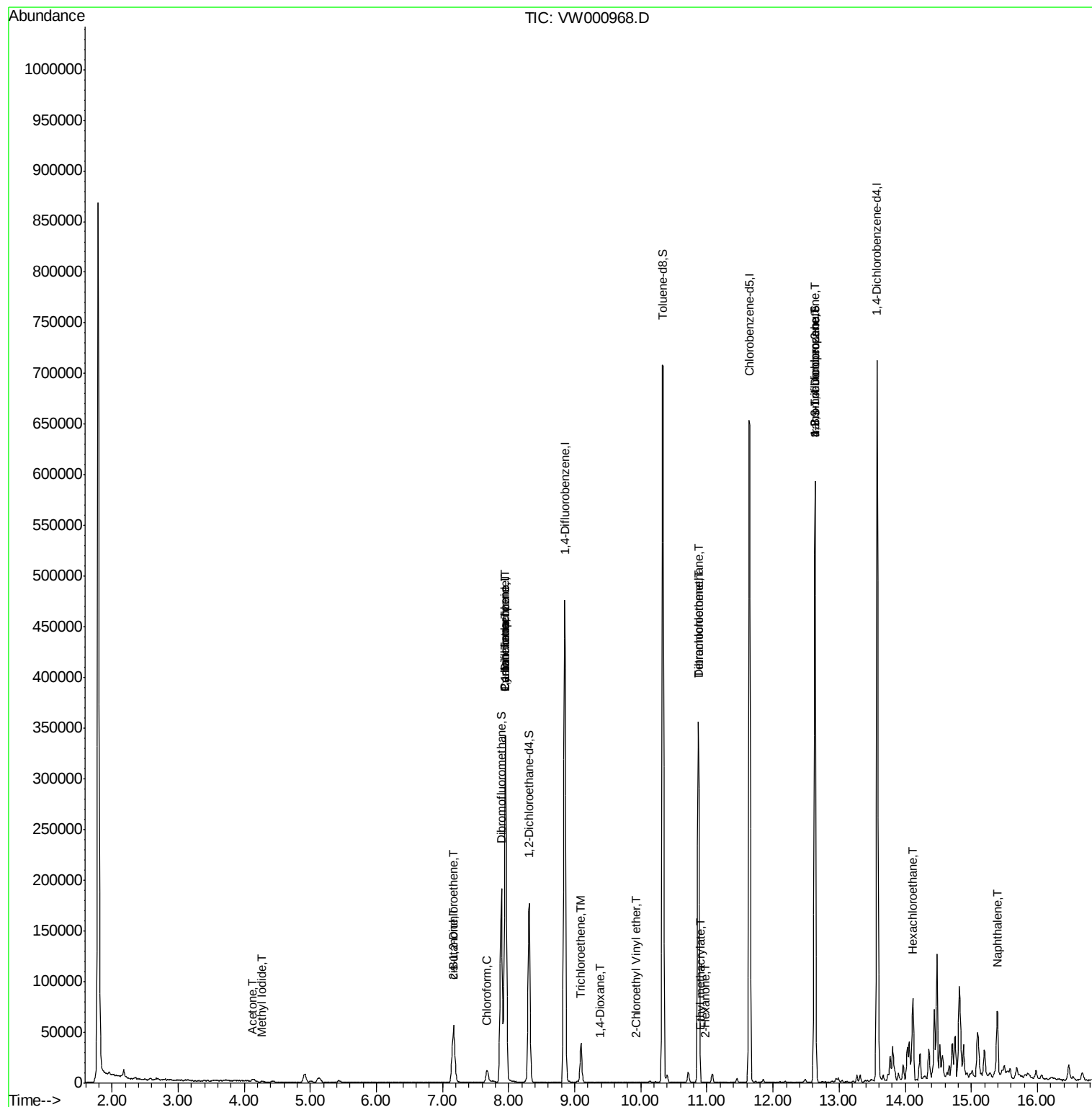
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.26	142	503	5.03	ug/l	# 77
16) Acetone	4.13	43	4492	21.77	ug/l	93
20) Methylene Chloride	4.91	84	6365	Below Cal	#	92
25) 2-Butanone	7.17	43	2529	2.26	ug/l	# 66
27) cis-1,2-Dichloroethene	7.17	96	20272	7.88	ug/l	94
30) Chloroform	7.68	83	7338	1.70	ug/l	100
31) Cyclohexane	7.95	56	5005	1.21	ug/l	# 8
36) 1,1-Dichloropropene	7.95	75	18137	4.69	ug/l	# 50
38) Carbon Tetrachloride	7.95	117	24934	5.84	ug/l	# 17
44) Trichloroethene	9.10	130	14675	4.69	ug/l	87
49) 1,4-Dioxane	9.37	88	43	1.25	ug/l	# 24
56) Ethyl methacrylate	10.91	69	24	3.25	ug/l	# 26
58) 2-Chloroethyl Vinyl ether	9.93	63	49	25.88	ug/l	# 45
59) 2-Hexanone	10.98	43	226	14.79	ug/l	63
60) Dibromochloromethane	10.87	129	70704	26.72	ug/l	# 11
64) Tetrachloroethene	10.87	164	84237	26.76	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	86900	37.71	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.63	75	86900	90.55	ug/l	# 11
90) Hexachloroethane	14.12	117	4407	1.93	ug/l	# 7
95) Naphthalene	15.40	128	57164	6.21	ug/l	99

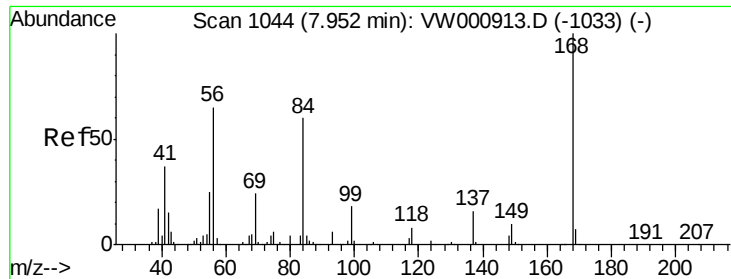
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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EPE-121-2(20-22)

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QLast Update : Tue Jan 23 13:31:00 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW000968.D

Acq: 25 Jan 2018 00:24

Instrument :

MSVOA_W

ClientSampleId :

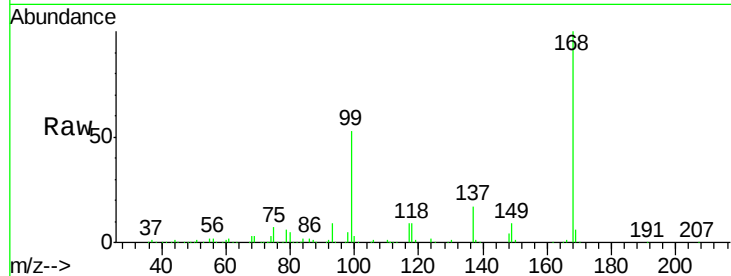
EPE-121-2(20-22)

Tgt Ion:168 Resp: 264395

Ion Ratio Lower Upper

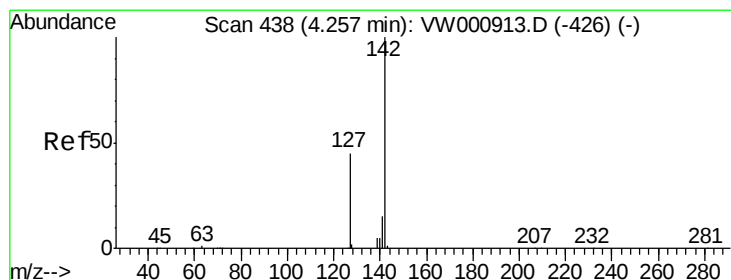
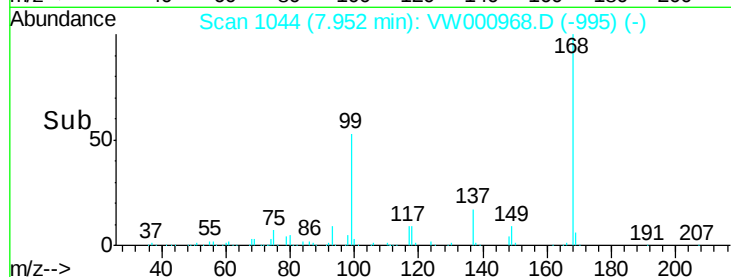
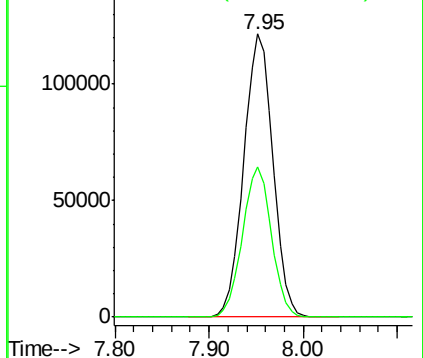
168 100

99 53.1 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#10

Methyl Iodide

Concen: 5.03 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.01 min

Lab File: VW000968.D

Acq: 25 Jan 2018 00:24

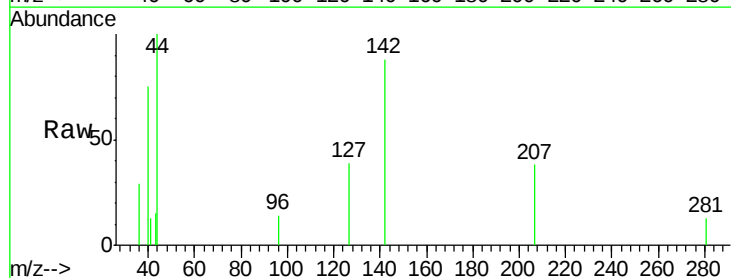
Tgt Ion:142 Resp: 503

Ion Ratio Lower Upper

142 100

127 29.6 35.5 53.3#

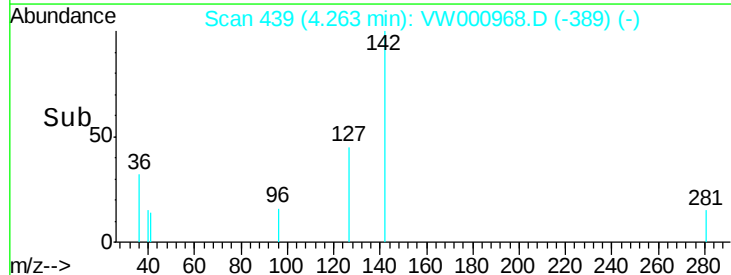
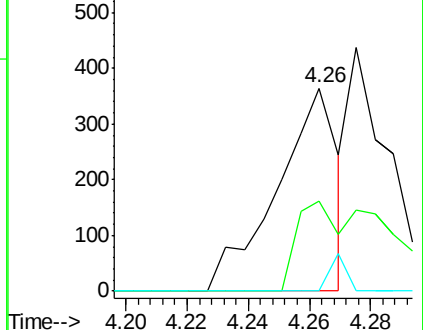
141 5.0 11.7 17.5#

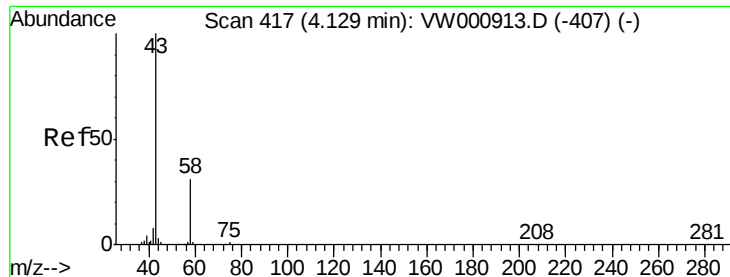


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 21.77 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.00 min

Lab File: VW000968.D

Acq: 25 Jan 2018 00:24

Instrument :

MSVOA_W

ClientSampleId :

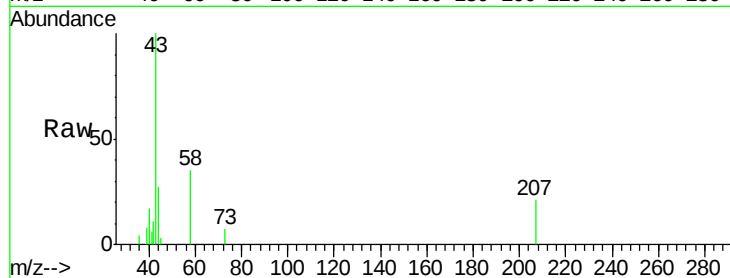
EPE-121-2(20-22)

Tgt Ion: 43 Resp: 4492

Ion Ratio Lower Upper

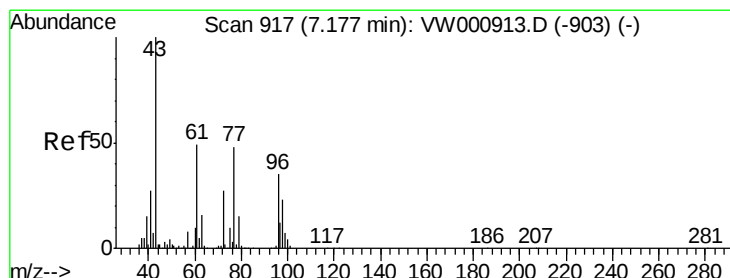
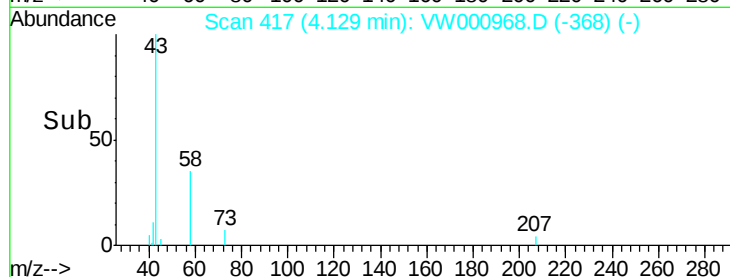
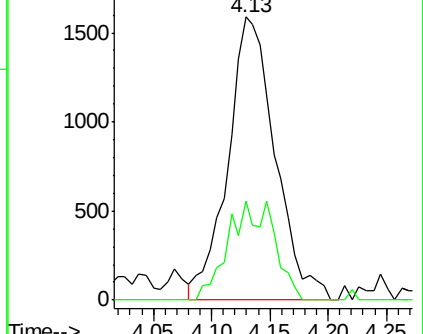
43 100

58 35.0 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: 2.26 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW000968.D

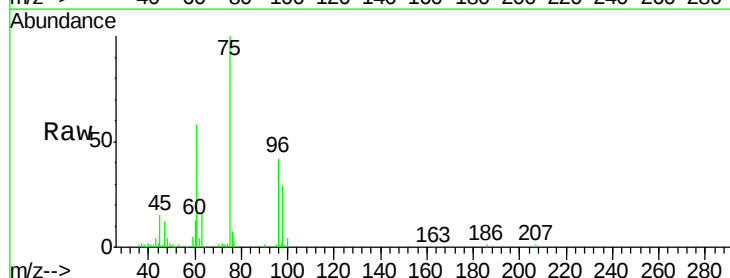
Acq: 25 Jan 2018 00:24

Tgt Ion: 43 Resp: 2529

Ion Ratio Lower Upper

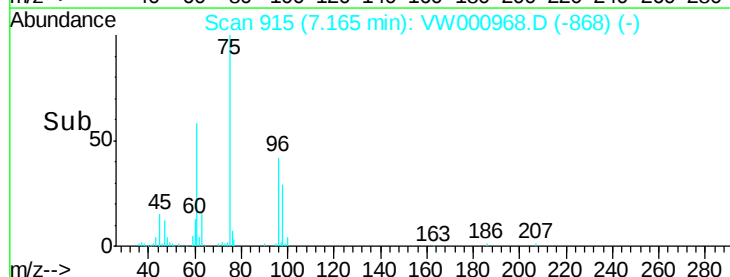
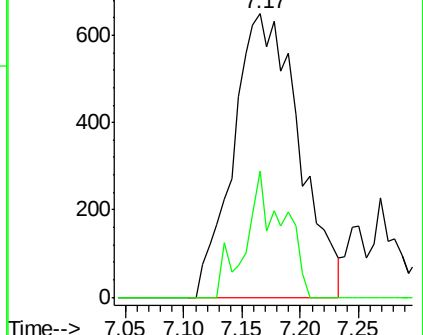
43 100

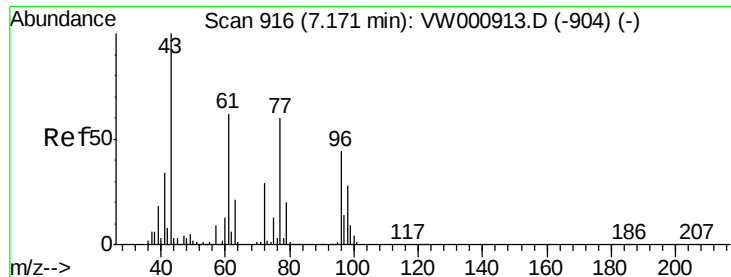
72 44.5 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#27

cis-1,2-Dichloroethene

Concen: 7.88 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW000968.D

Acq: 25 Jan 2018 00:24

Instrument :

MSVOA_W

ClientSampleId :

EPE-121-2(20-22)

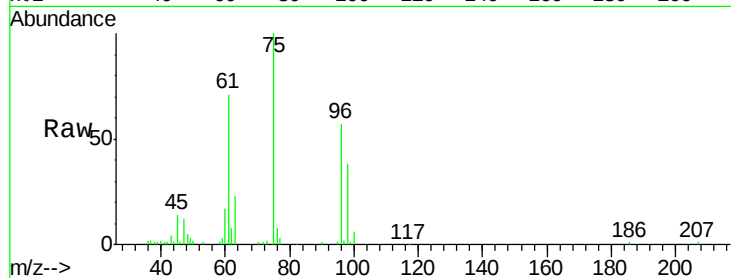
Tgt Ion: 96 Resp: 20272

Ion Ratio Lower Upper

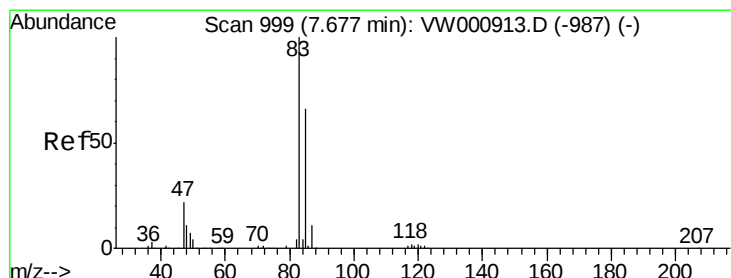
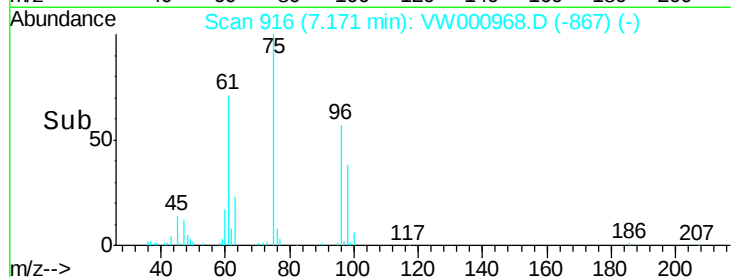
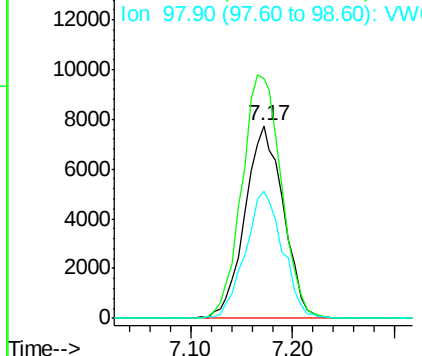
96 100

61 129.8 0.0 279.8

98 64.6 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



#30

Chloroform

Concen: 1.70 ug/l

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW000968.D

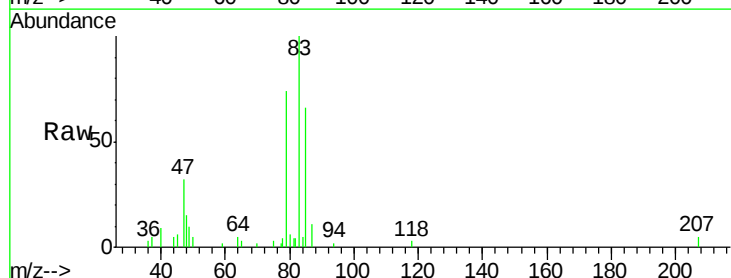
Acq: 25 Jan 2018 00:24

Tgt Ion: 83 Resp: 7338

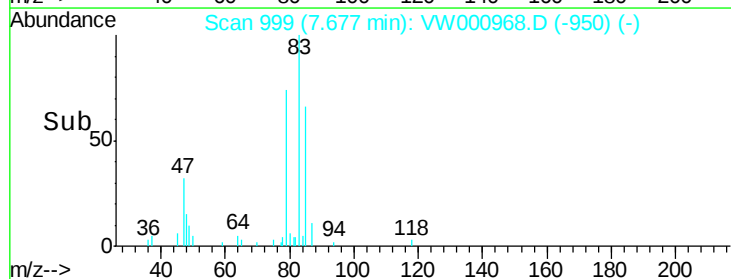
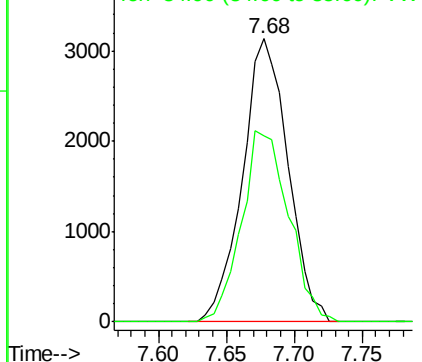
Ion Ratio Lower Upper

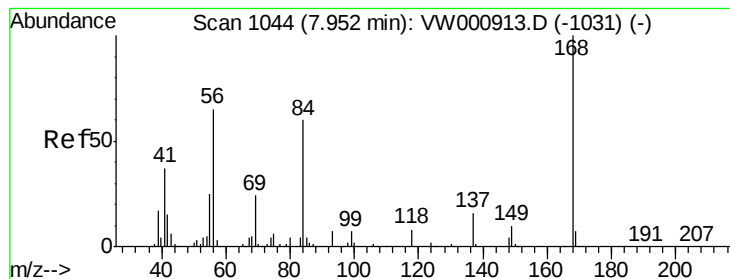
83 100

85 65.8 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 1.21 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW000968.D

Acq: 25 Jan 2018 00:24

Instrument :

MSVOA_W

ClientSampleId :

EPE-121-2(20-22)

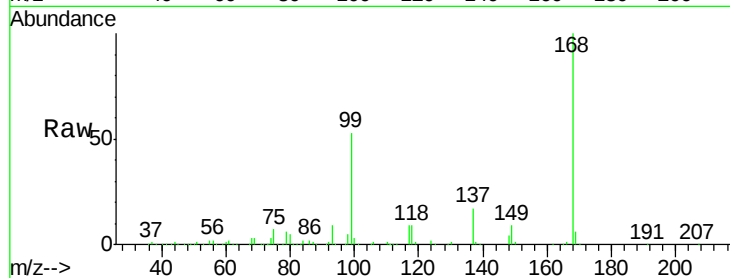
Tgt Ion: 56 Resp: 5005

Ion Ratio Lower Upper

56 100

69 180.2 29.2 43.8#

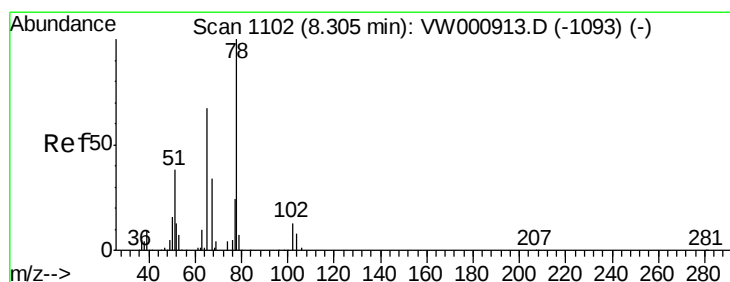
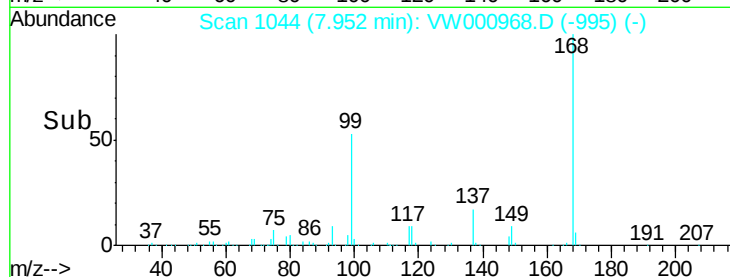
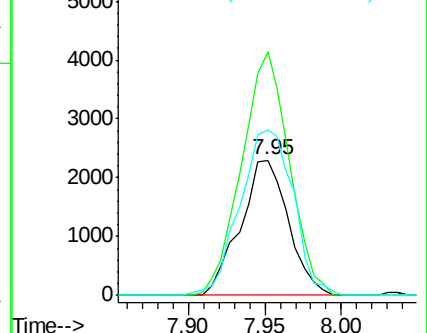
84 122.9 73.6 110.4#



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: 56.59 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW000968.D

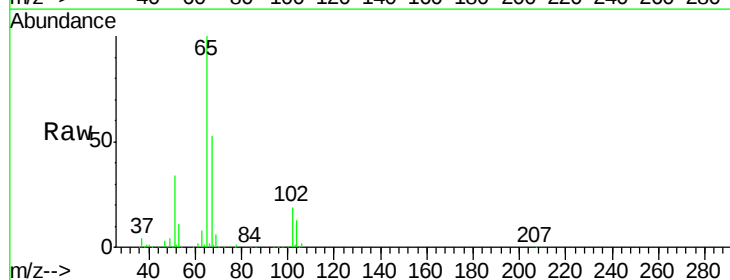
Acq: 25 Jan 2018 00:24

Tgt Ion: 65 Resp: 143404

Ion Ratio Lower Upper

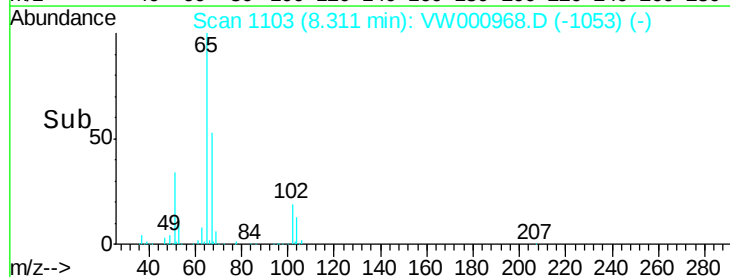
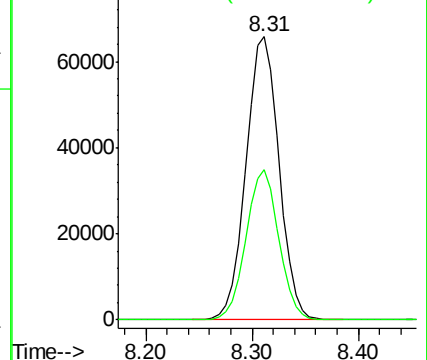
65 100

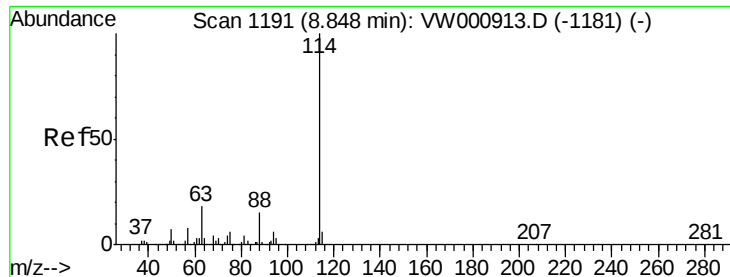
67 52.4 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

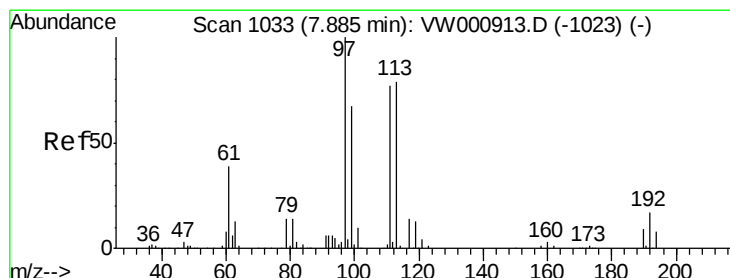
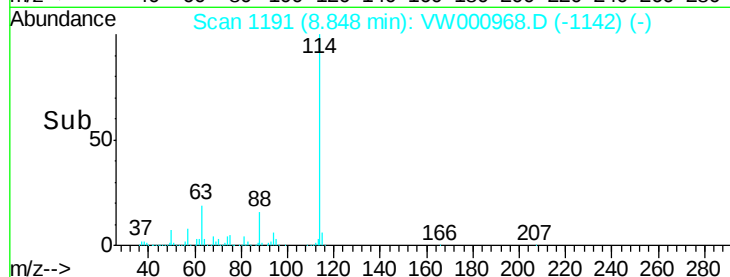
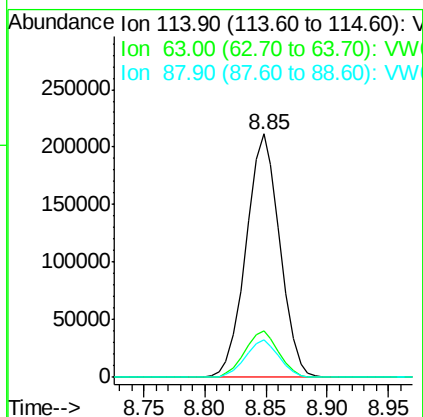
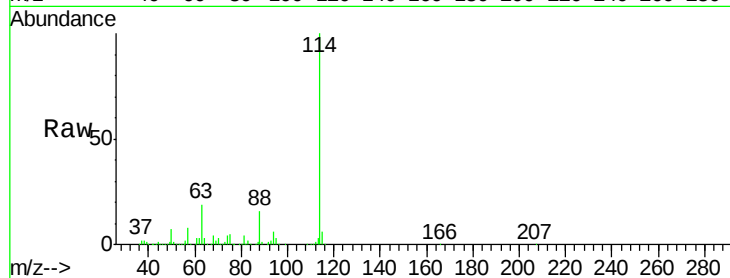




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW000968.D
 Acq: 25 Jan 2018 00:24

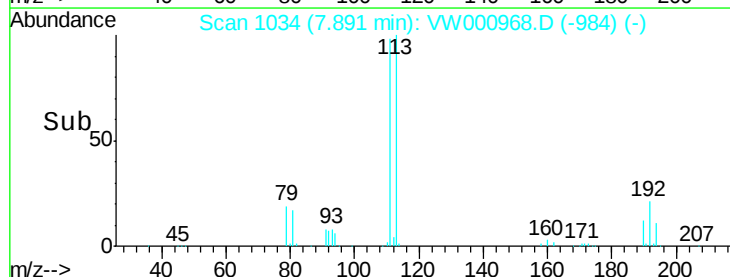
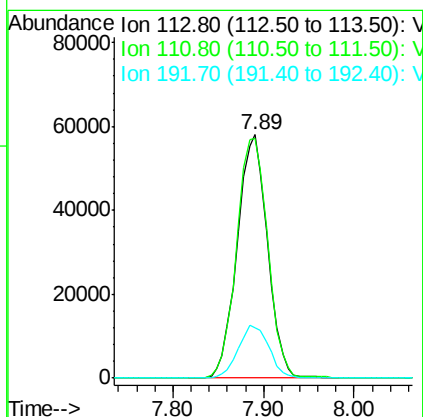
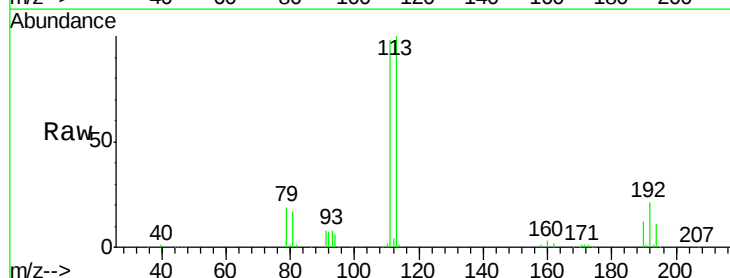
Instrument :
 MSVOA_W
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 EPE-121-2(20-22)

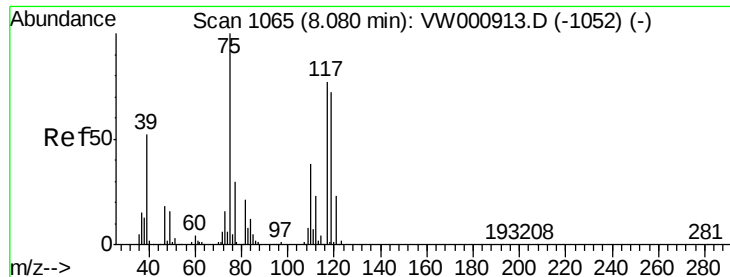
Tgt Ion:114 Resp: 405677
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 36.8
 88 15.5 0.0 29.8



#35
 Dibromofluoromethane
 Concen: 54.01 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW000968.D
 Acq: 25 Jan 2018 00:24

Tgt Ion:113 Resp: 134230
 Ion Ratio Lower Upper
 113 100
 111 101.9 80.4 120.6
 192 22.0 17.0 25.4





#36

1,1-Dichloropropene

Concen: 4.69 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW000968.D

Acq: 25 Jan 2018 00:24

Instrument :

MSVOA_W

ClientSampleId :

EPE-121-2(20-22)

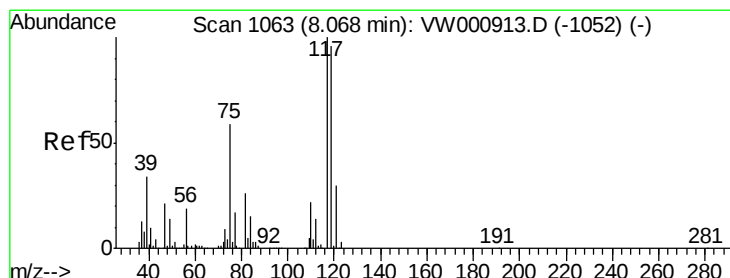
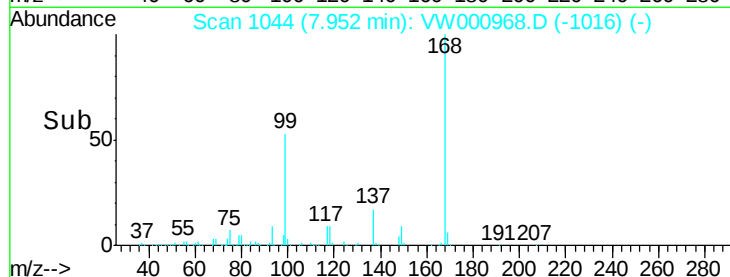
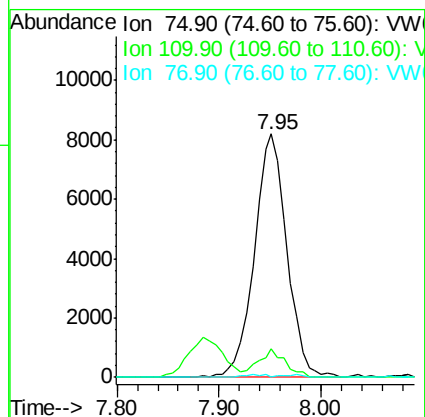
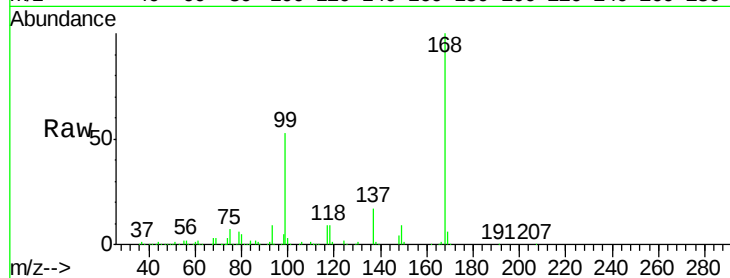
Tgt Ion: 75 Resp: 18137

Ion Ratio Lower Upper

75 100

110 9.8 18.6 56.0#

77 0.7 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.84 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW000968.D

Acq: 25 Jan 2018 00:24

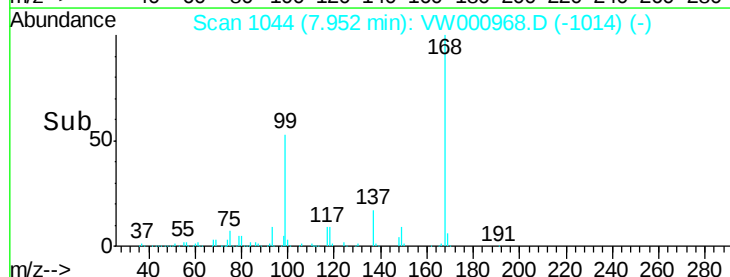
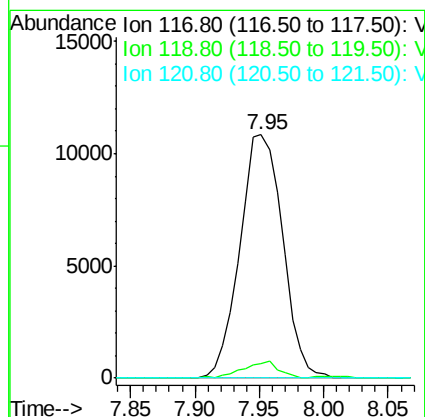
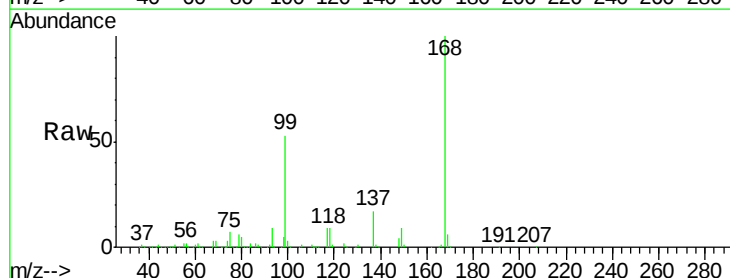
Tgt Ion: 117 Resp: 24934

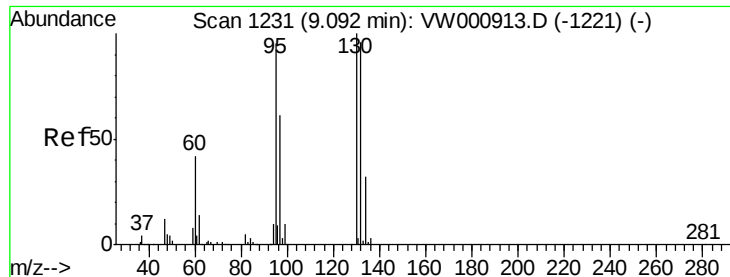
Ion Ratio Lower Upper

117 100

119 5.8 76.5 114.7#

121 0.0 24.3 36.5#





#44

Trichloroethene

Concen: 4.69 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VW000968.D

Acq: 25 Jan 2018 00:24

Instrument :

MSVOA_W

ClientSampleId :

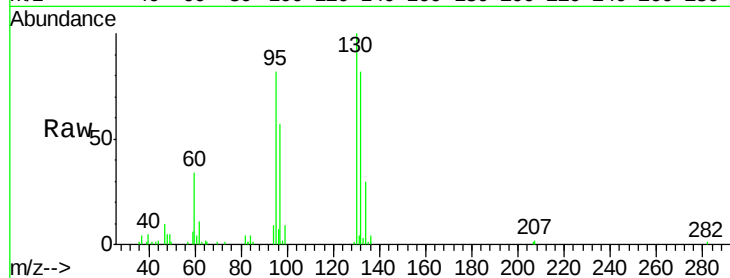
EPE-121-2(20-22)

Tgt Ion:130 Resp: 14675

Ion Ratio Lower Upper

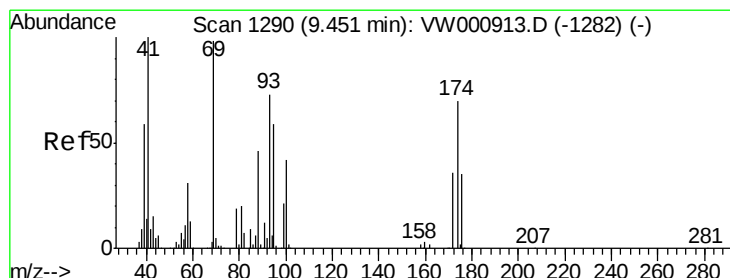
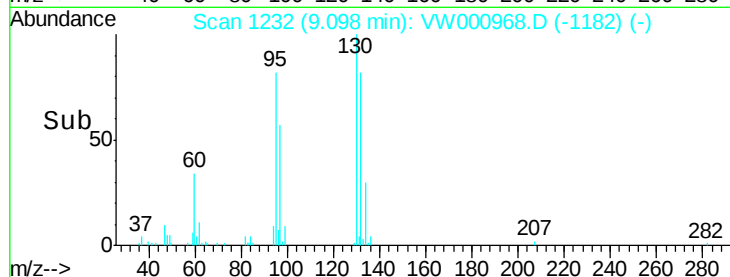
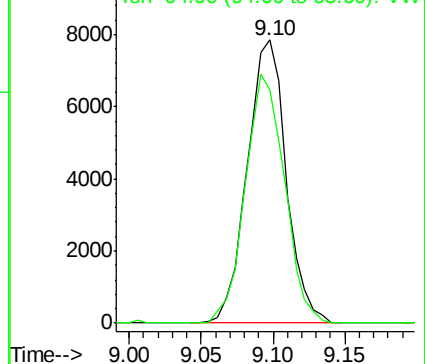
130 100

95 82.3 0.0 190.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW



#49

1,4-Dioxane

Concen: 1.25 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. -0.08 min

Lab File: VW000968.D

Acq: 25 Jan 2018 00:24

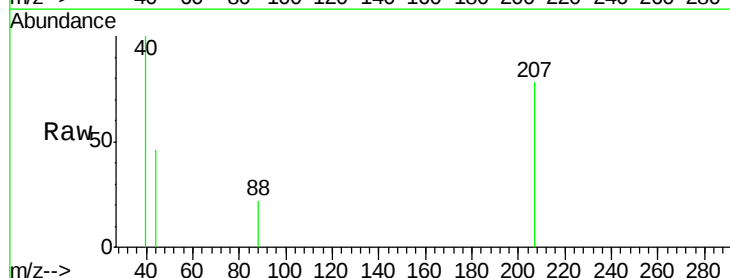
Tgt Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

43 0.0 24.5 36.7#

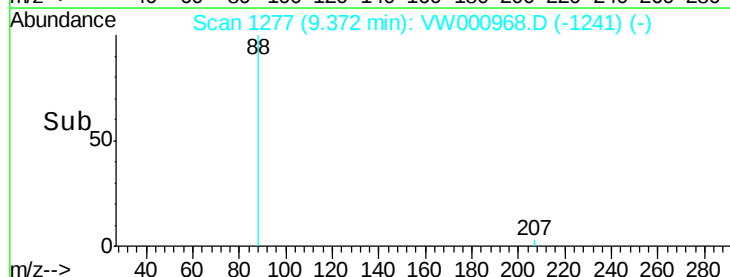
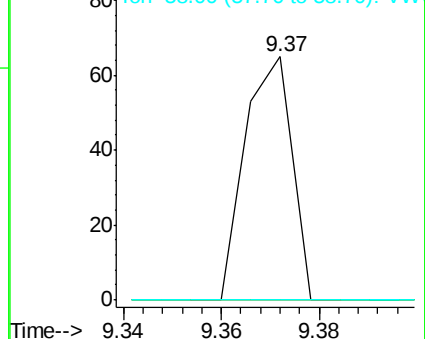
58 0.0 54.7 82.1#

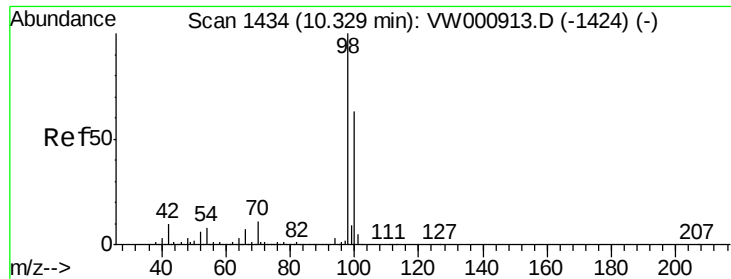


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 50.34 ug/l

RT: 10.34 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VW000968.D

Acq: 25 Jan 2018 00:24

Instrument :

MSVOA_W

ClientSampleId :

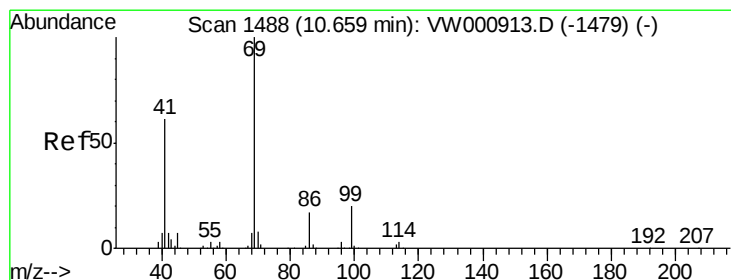
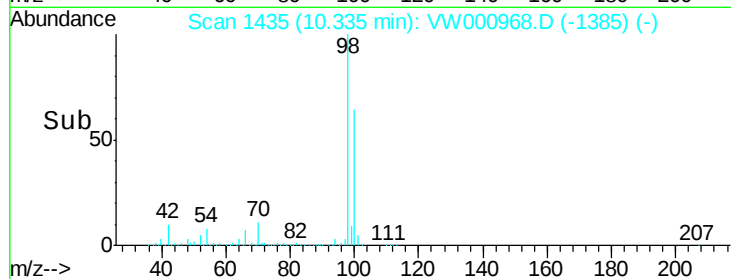
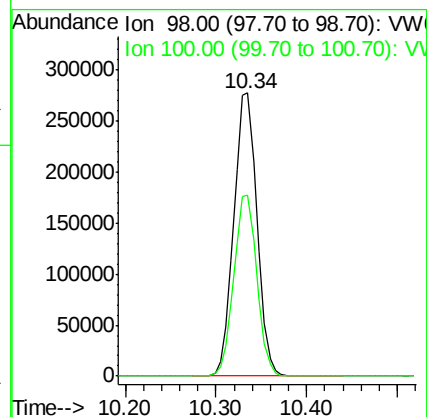
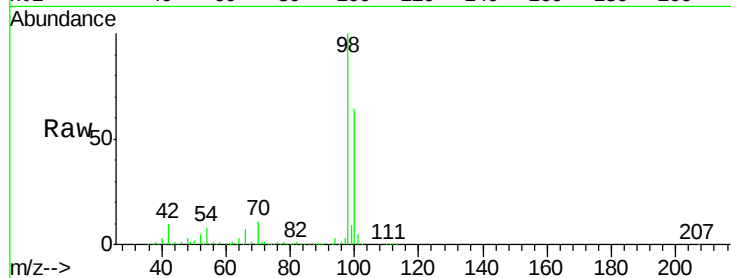
EPE-121-2(20-22)

Tgt Ion: 98 Resp: 493211

Ion Ratio Lower Upper

98 100

100 63.2 50.8 76.2



#56

Ethyl methacrylate

Concen: 3.25 ug/l

RT: 10.91 min Scan# 1529

Delta R.T. 0.25 min

Lab File: VW000968.D

Acq: 25 Jan 2018 00:24

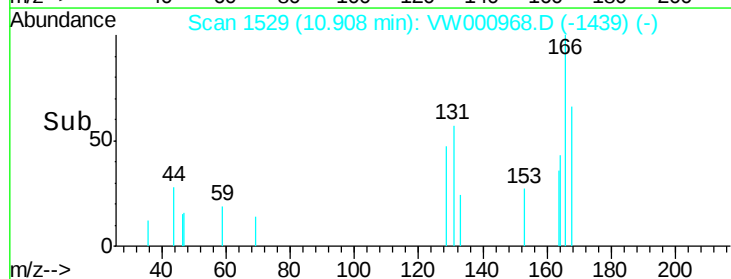
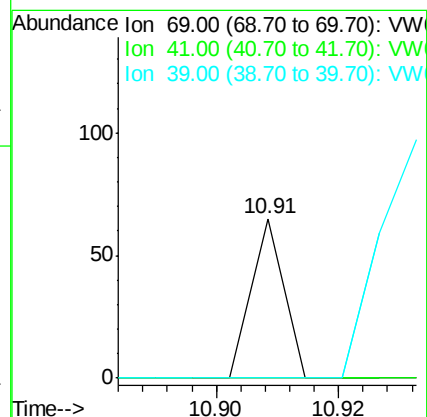
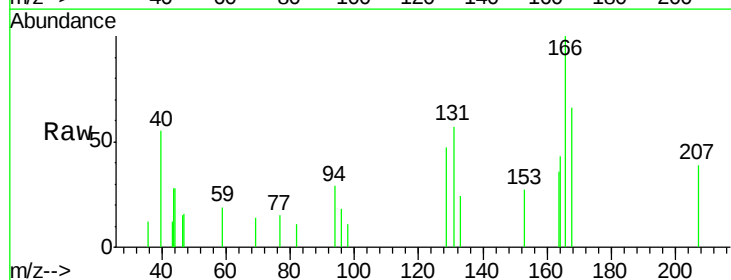
Tgt Ion: 69 Resp: 24

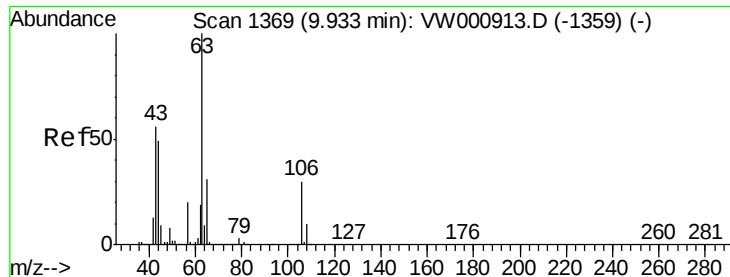
Ion Ratio Lower Upper

69 100

41 0.0 50.3 75.5#

39 0.0 28.6 42.8#

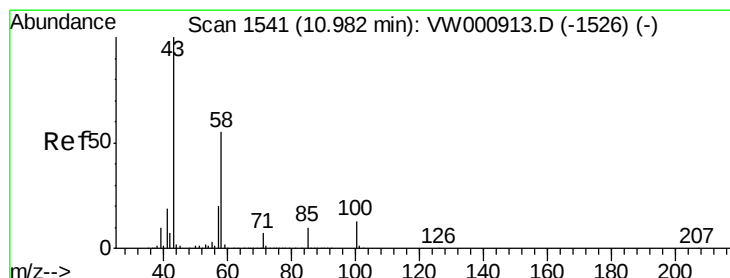
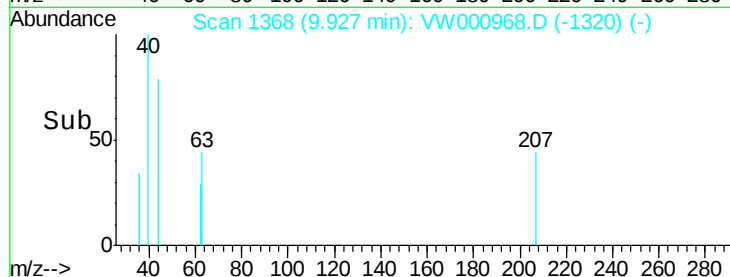
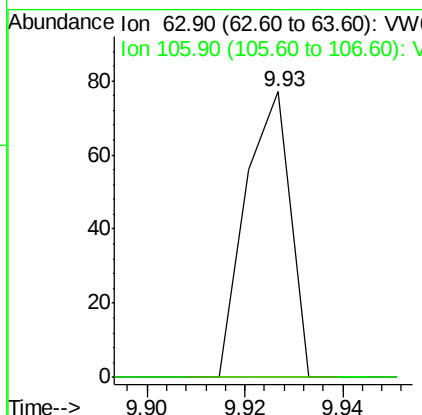
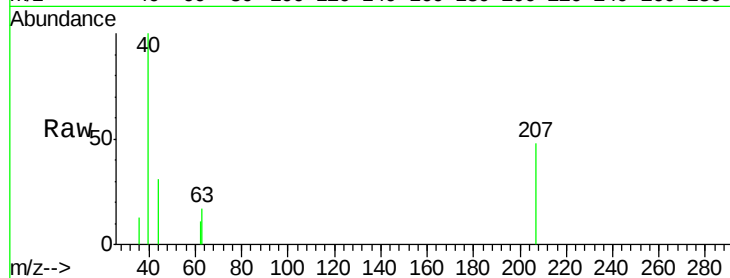




#58
 2-Chloroethyl Vinyl ether
 Concen: 25.88 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VW000968.D
 Acq: 25 Jan 2018 00:24

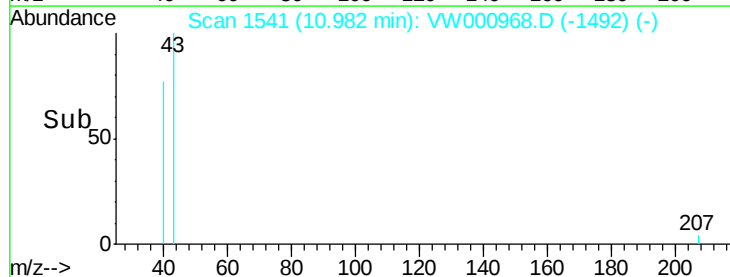
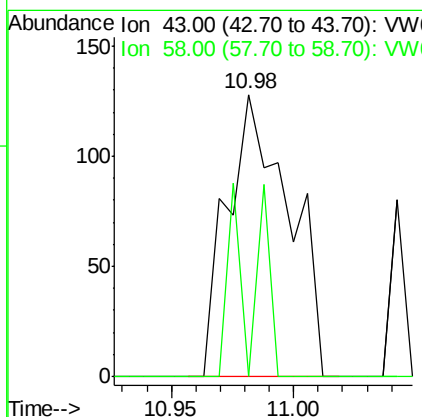
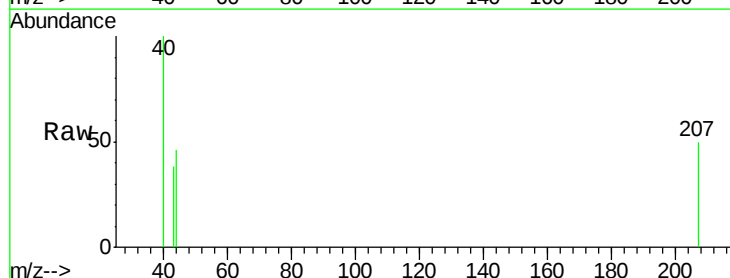
Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-121-2(20-22)

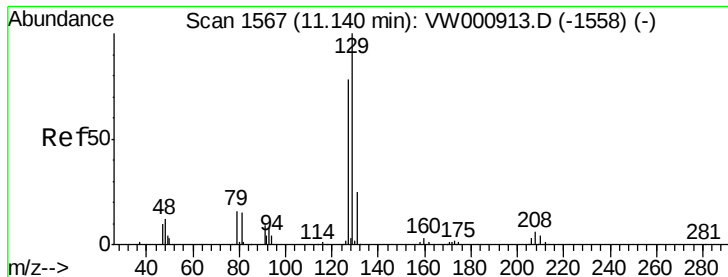
Tgt Ion: 63 Resp: 49
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.8 35.8#



#59
 2-Hexanone
 Concen: 14.79 ug/l
 RT: 10.98 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: VW000968.D
 Acq: 25 Jan 2018 00:24

Tgt Ion: 43 Resp: 226
 Ion Ratio Lower Upper
 43 100
 58 28.3 27.4 82.2





#60

Dibromochloromethane

Concen: 26.72 ug/l

RT: 10.87 min Scan# 1523

Delta R.T. -0.27 min

Lab File: VW000968.D

Acq: 25 Jan 2018 00:24

Instrument :

MSVOA_W

ClientSampleId :

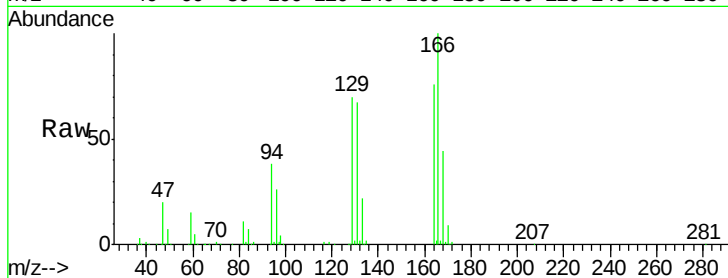
EPE-121-2(20-22)

Tgt Ion:129 Resp: 70704

Ion Ratio Lower Upper

129 100

127 0.2 38.4 115.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.87

50000

40000

30000

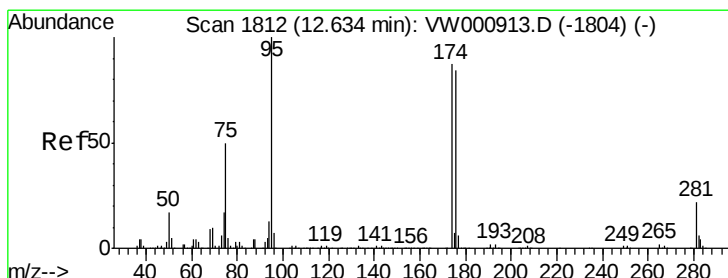
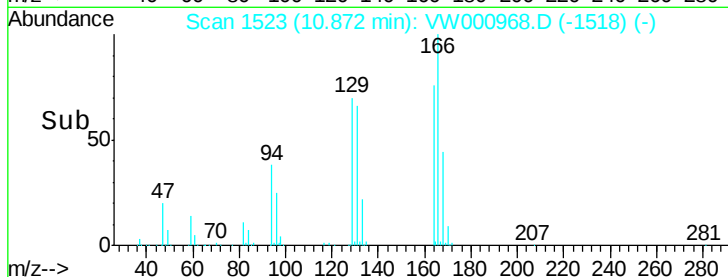
20000

10000

0

Time-->

10.85 10.90 10.95



#62

4-Bromofluorobenzene

Concen: 48.83 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW000968.D

Acq: 25 Jan 2018 00:24

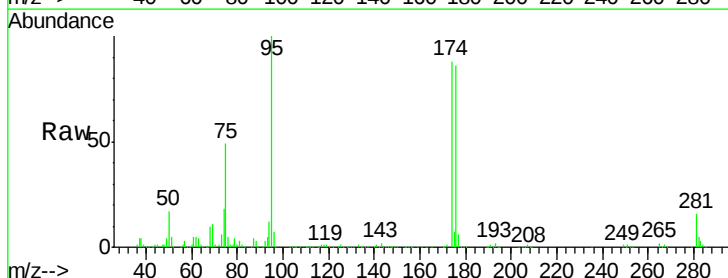
Tgt Ion: 95 Resp: 174243

Ion Ratio Lower Upper

95 100

174 89.4 0.0 176.8

176 84.5 0.0 171.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.63

150000

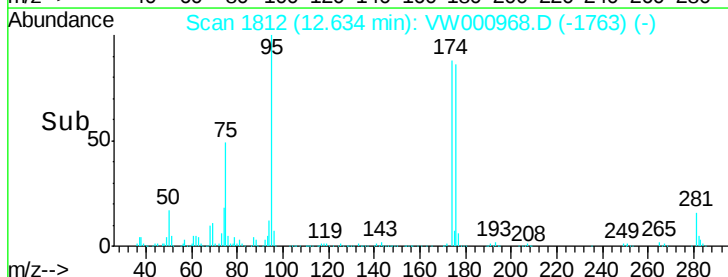
100000

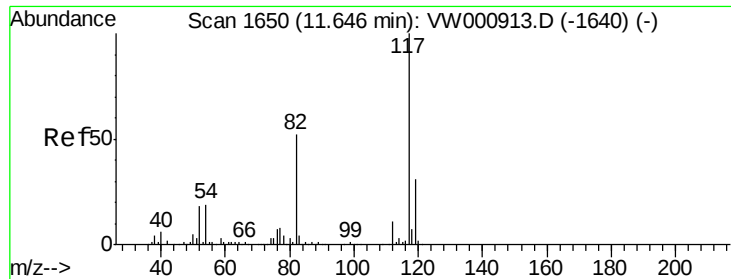
50000

0

Time-->

12.60 12.70

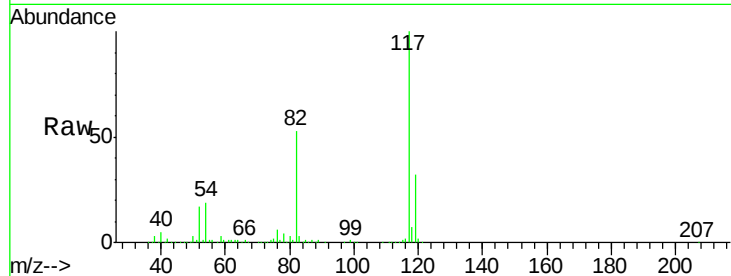




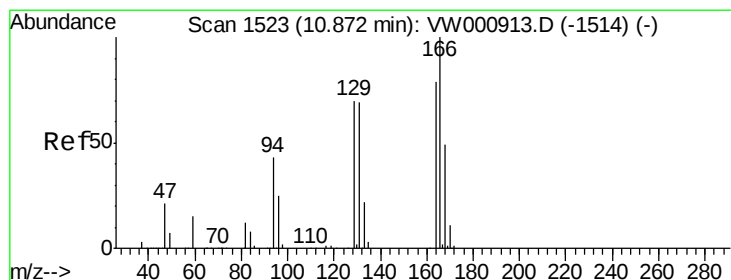
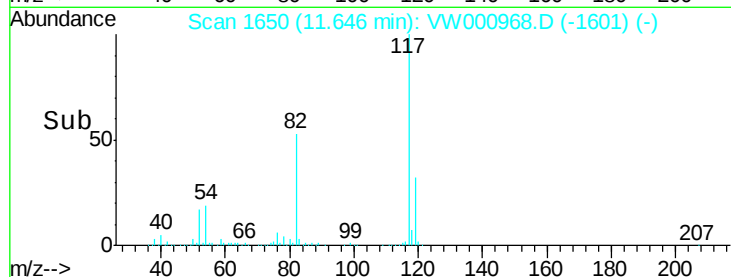
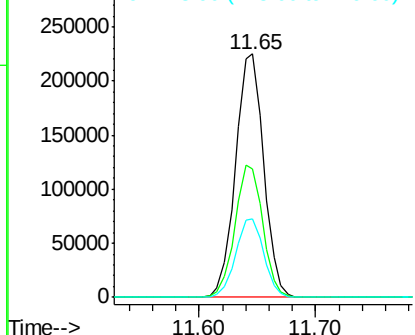
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VW000968.D
Acq: 25 Jan 2018 00:24

Instrument :
MSVOA_W
ClientSampleId :
EPE-121-2(20-22)

Tgt Ion:117 Resp: 379337
Ion Ratio Lower Upper
117 100
82 52.7 41.8 62.6
119 32.5 25.2 37.8



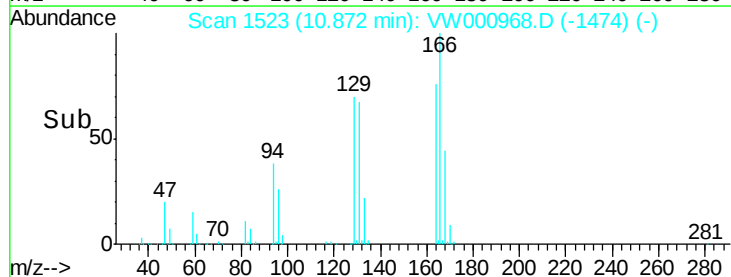
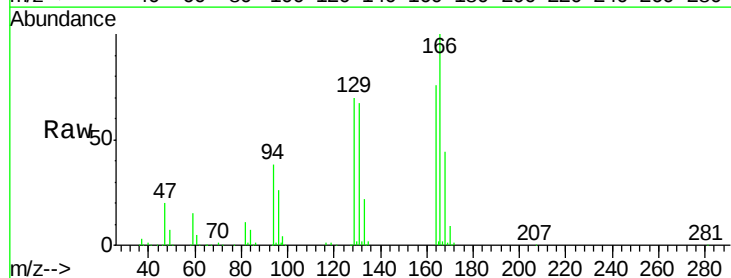
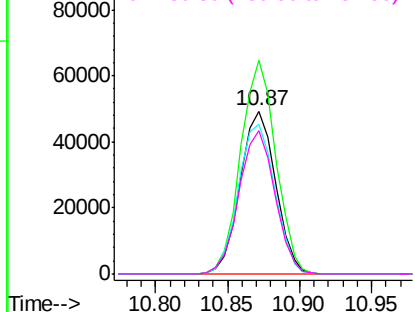
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

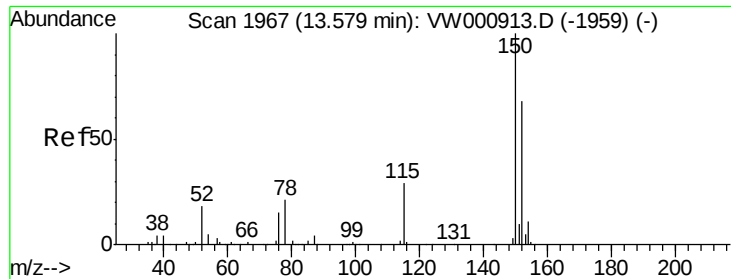


#64
Tetrachloroethene
Concen: 26.76 ug/l
RT: 10.87 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VW000968.D
Acq: 25 Jan 2018 00:24

Tgt Ion:164 Resp: 84237
Ion Ratio Lower Upper
164 100
166 131.2 100.9 151.3
129 91.7 70.5 105.7
131 88.0 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: VW000968.D

Acq: 25 Jan 2018 00:24

Instrument :

MSVOA_W

ClientSampleId :

EPE-121-2(20-22)

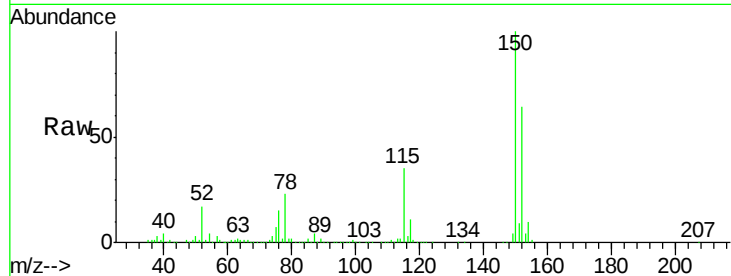
Tgt Ion:152 Resp: 199162

Ion Ratio Lower Upper

152 100

115 56.1 28.5 85.5

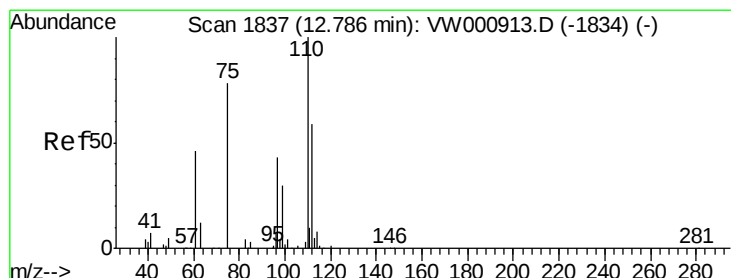
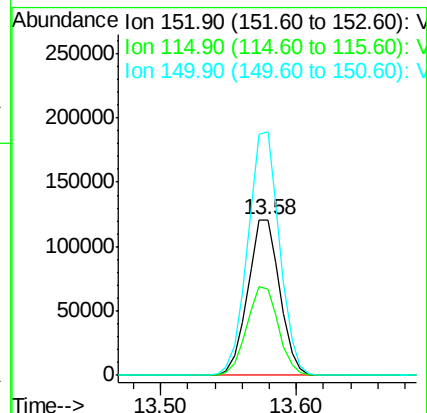
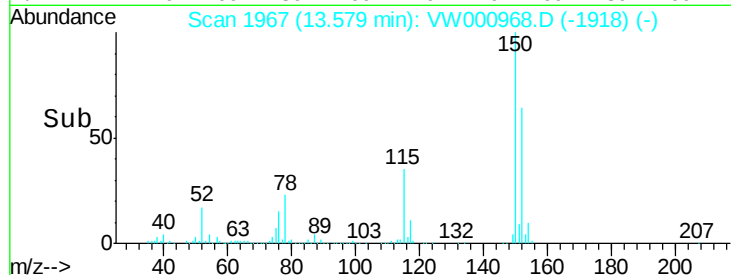
150 154.9 0.0 342.0



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: 37.71 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.15 min

Lab File: VW000968.D

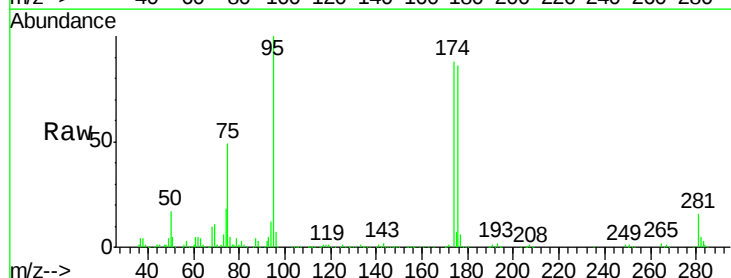
Acq: 25 Jan 2018 00:24

Tgt Ion: 75 Resp: 86900

Ion Ratio Lower Upper

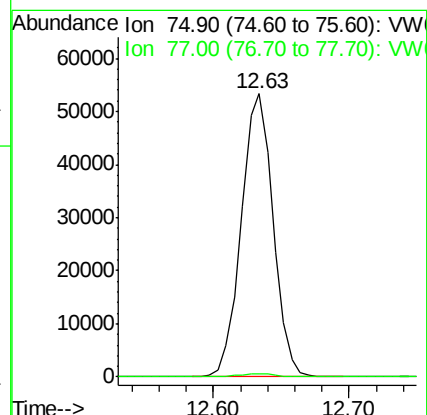
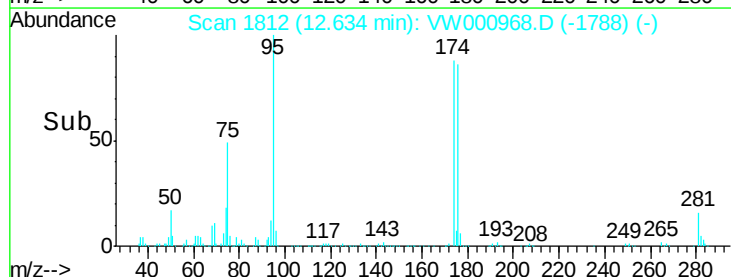
75 100

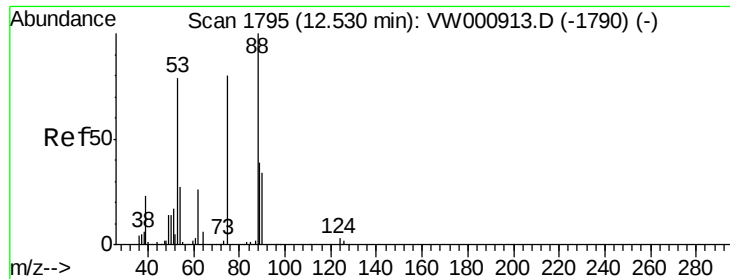
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

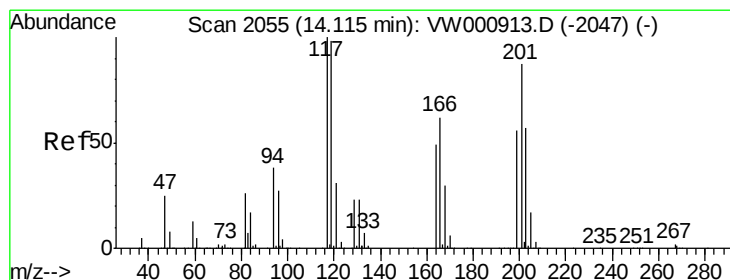
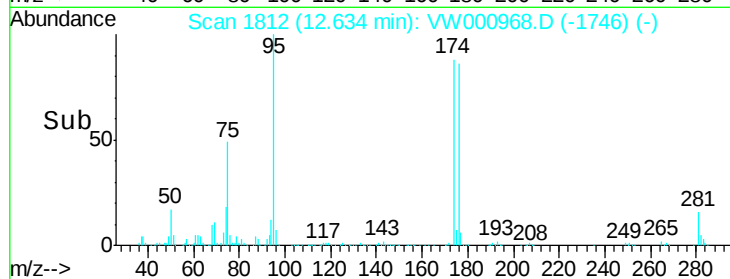
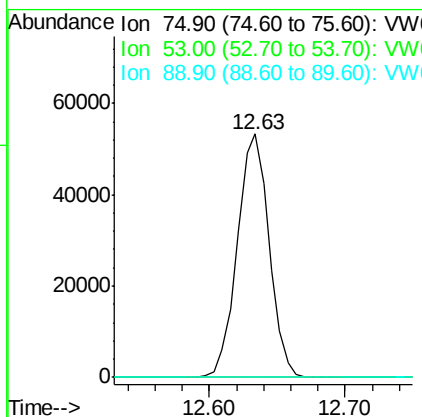
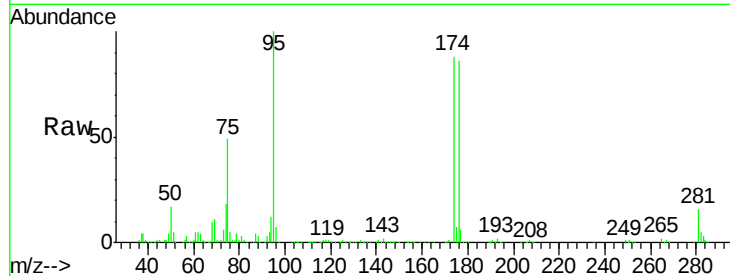




#81
trans-1,4-Dichloro-2-butene
Concen: 90.55 ug/l
RT: 12.63 min Scan# 1812
Delta R.T. 0.10 min
Lab File: VW000968.D
Acq: 25 Jan 2018 00:24

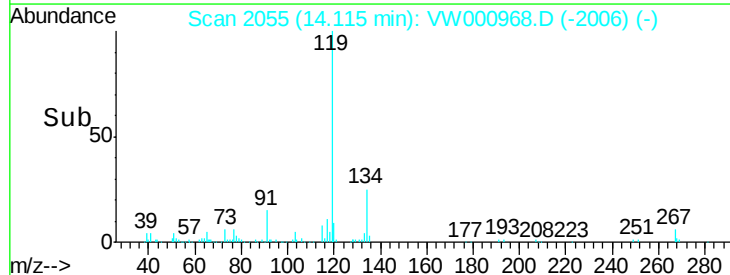
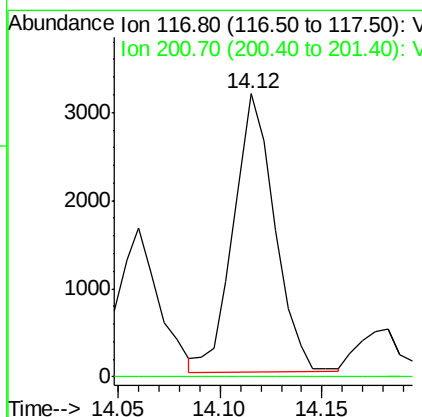
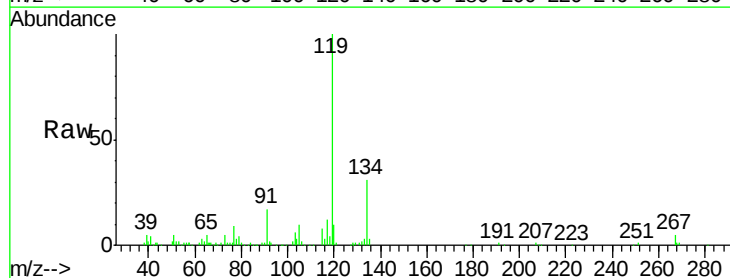
Instrument :
MSVOA_W
ClientSampleId :
EPE-121-2(20-22)

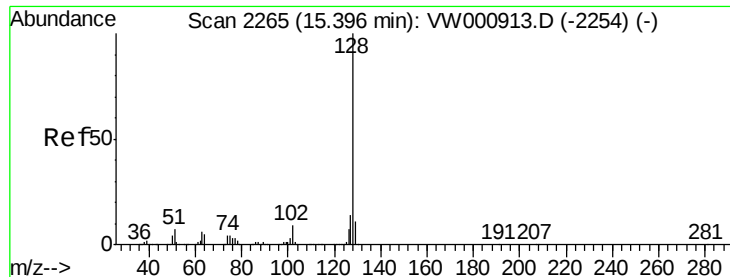
Tgt Ion: 75 Resp: 86900
Ion Ratio Lower Upper
75 100
53 0.1 77.5 116.3#
89 0.1 38.2 57.4#



#90
Hexachloroethane
Concen: 1.93 ug/l
RT: 14.12 min Scan# 2055
Delta R.T. -0.00 min
Lab File: VW000968.D
Acq: 25 Jan 2018 00:24

Tgt Ion: 117 Resp: 4407
Ion Ratio Lower Upper
117 100
201 0.0 42.8 128.3#





#95

Naphthalene

Concen: 6.21 ug/l

RT: 15.40 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VW000968.D

Acq: 25 Jan 2018 00:24

Instrument :

MSVOA_W

ClientSampleId :

EPE-121-2(20-22)

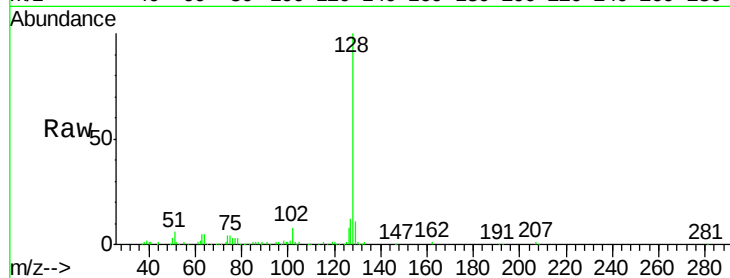
Tgt Ion:128 Resp: 57164

Ion Ratio Lower Upper

128 100

127 13.6 10.6 15.8

129 11.0 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

