

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012918\
 Data File : VW001143.D
 Acq On : 30 Jan 2018 01:46
 Operator : JC/SY
 Sample : J1288-05RE
 Misc : 6.05G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-108-4(90-92)RE

Quant Time: Jan 30 02:14:28 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 30 01:11:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	174277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	266518	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	204320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	59698	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	123159	72.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	145.38%	
35) Dibromofluoromethane	7.88	113	105615	61.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.90%	
50) Toluene-d8	10.33	98	391628	59.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.38%	
62) 4-Bromofluorobenzene	12.63	95	87424	36.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.32%	

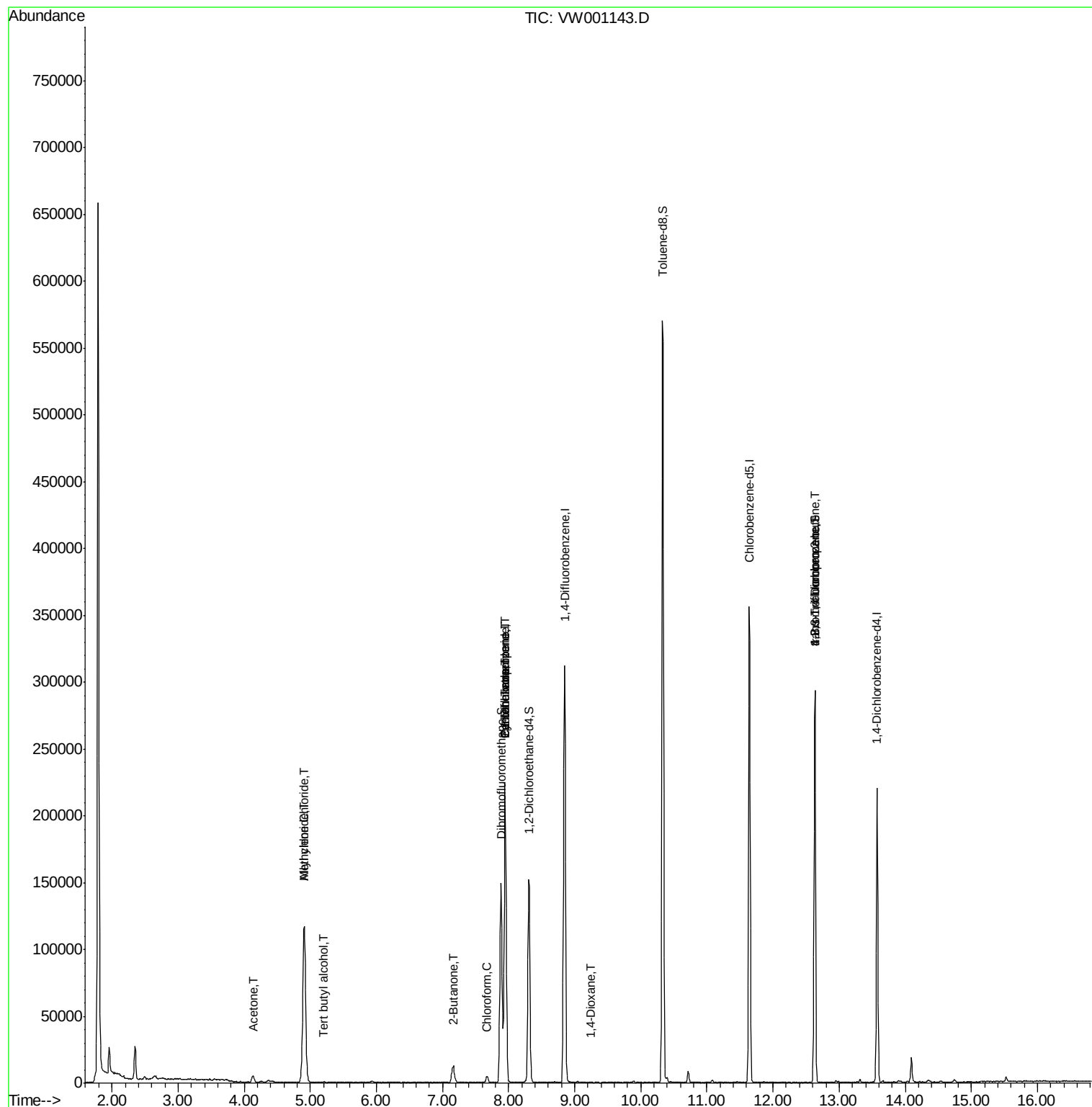
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.75	94	706	Below Cal	#	78
11) Tert butyl alcohol	5.19	59	383	2.81	ug/l	99
14) Allyl chloride	4.92	41	3469	1.67	ug/l	# 23
16) Acetone	4.14	43	7494	16.82	ug/l	93
18) Methyl Acetate	4.67	43	118	Below Cal	#	50
20) Methylene Chloride	4.91	84	91828	62.97	ug/l	99
25) 2-Butanone	7.18	43	915	1.56	ug/l	# 88
30) Chloroform	7.68	83	3788	1.35	ug/l	90
31) Cyclohexane	7.95	56	3485	1.39	ug/l	# 13
36) 1,1-Dichloropropene	7.95	75	12201	5.07	ug/l	# 49
38) Carbon Tetrachloride	7.95	117	16543	6.16	ug/l	# 17
49) 1,4-Dioxane	9.24	88	20	1.12	ug/l	# 1
76) 1,2,3-Trichloropropane	12.63	75	43507	71.91	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.63	75	43507	189.07	ug/l	# 12

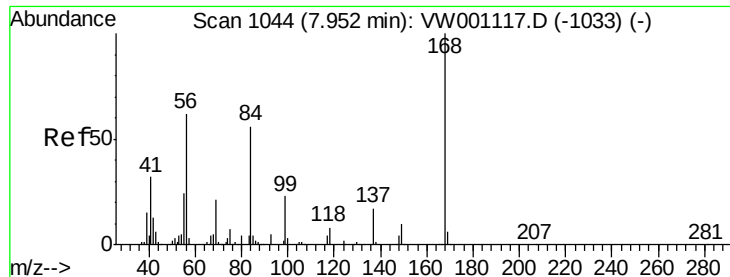
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW001143.D

Acq: 30 Jan 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

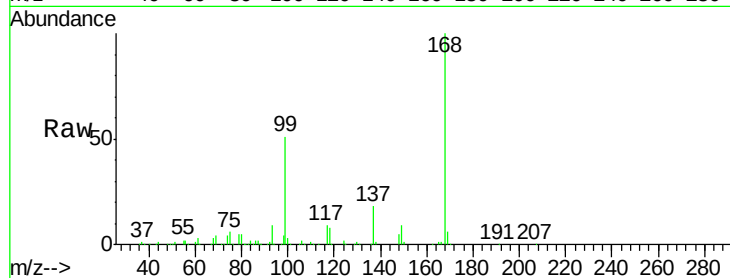
EPE-108-4(90-92)RE

Tgt Ion:168 Resp: 174277

Ion Ratio Lower Upper

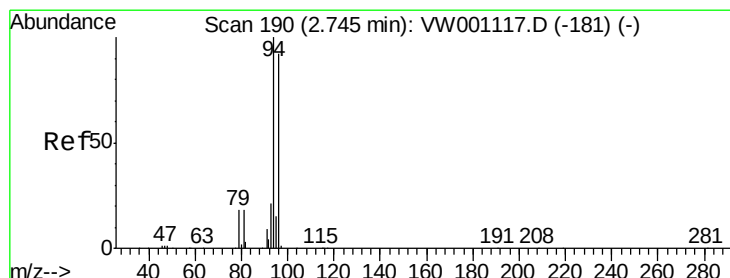
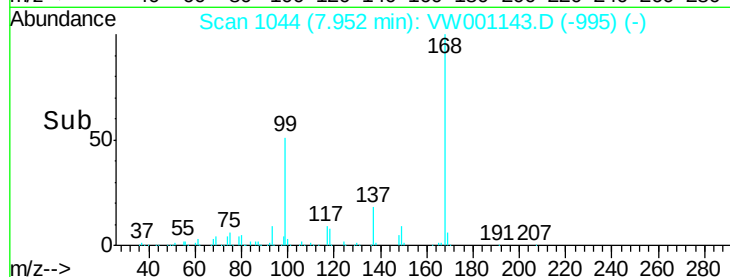
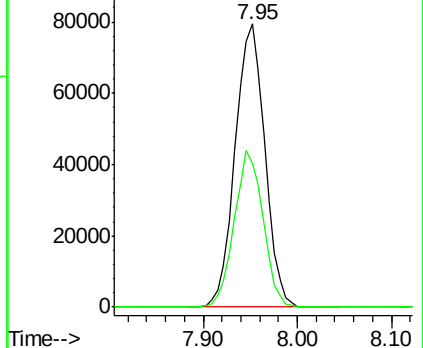
168 100

99 50.8 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#5

Bromomethane

Concen: Below Cal

RT: 2.75 min Scan# 191

Delta R.T. 0.01 min

Lab File: VW001143.D

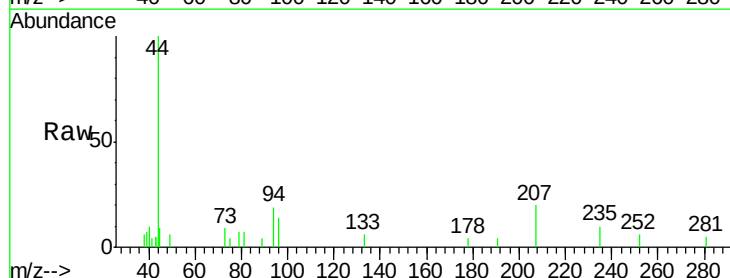
Acq: 30 Jan 2018 01:46

Tgt Ion: 94 Resp: 706

Ion Ratio Lower Upper

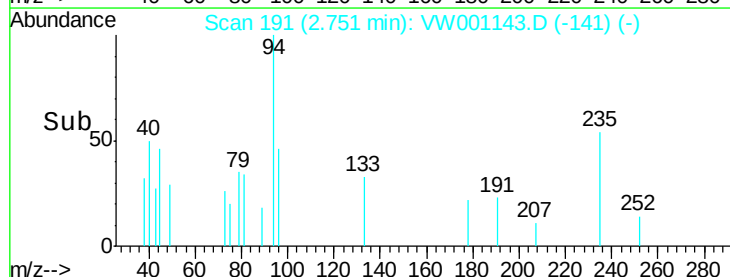
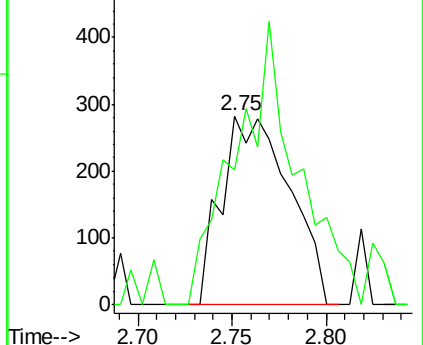
94 100

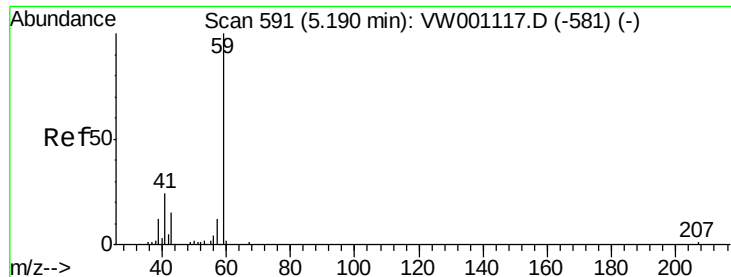
96 71.3 73.7 110.5#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



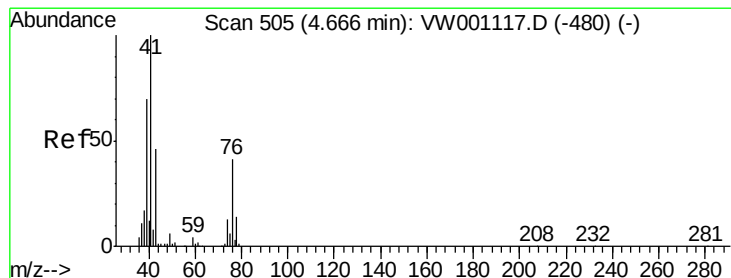
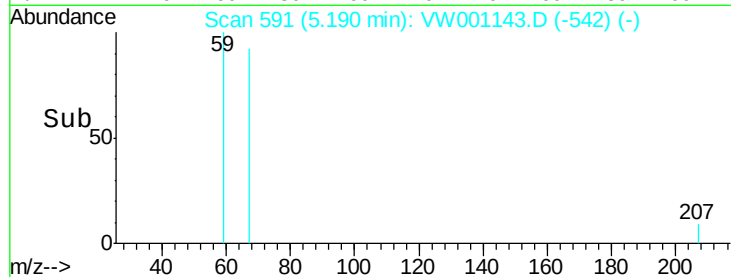
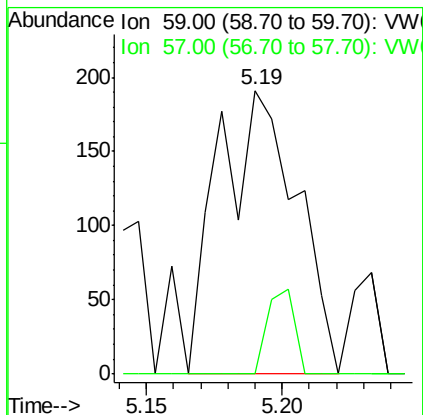
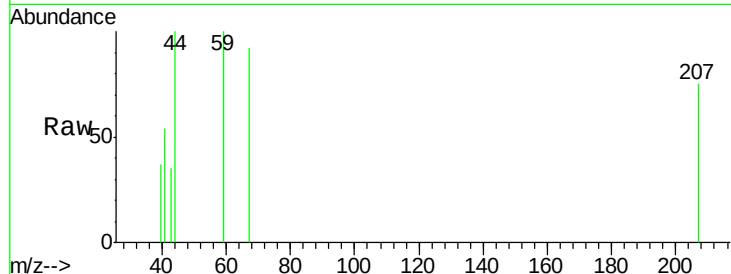


#11

Tert butyl alcohol
Concen: 2.81 ug/l
RT: 5.19 min Scan# 591
Delta R.T. -0.00 min
Lab File: VW001143.D
Acq: 30 Jan 2018 01:46

Instrument :
MSVOA_W
ClientSampleId :
EPE-108-4(90-92)RE

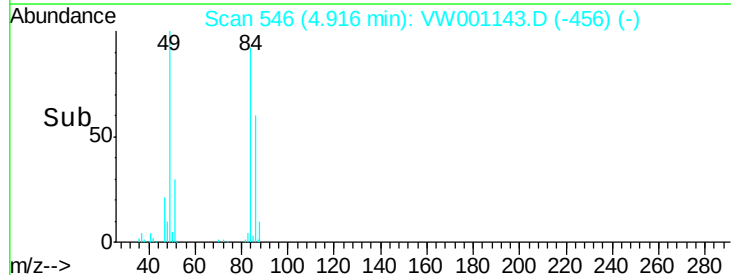
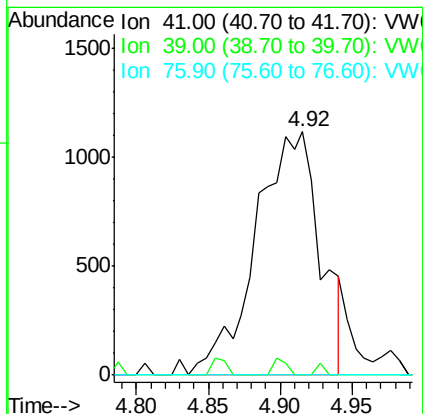
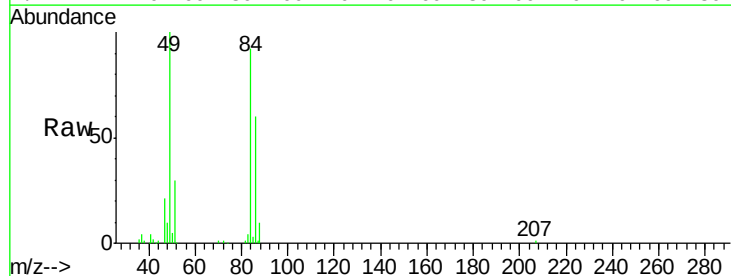
Tgt Ion: 59 Resp: 383
Ion Ratio Lower Upper
59 100
57 10.2 7.8 11.8

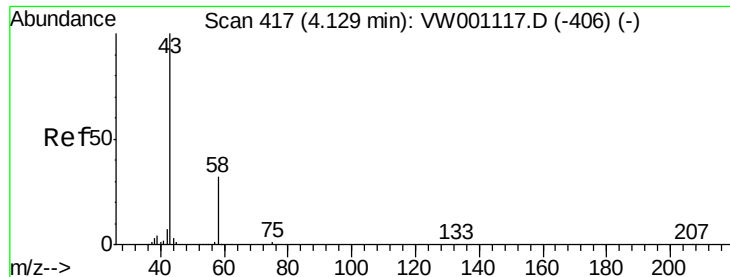


#14

Allyl chloride
Concen: 1.67 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.25 min
Lab File: VW001143.D
Acq: 30 Jan 2018 01:46

Tgt Ion: 41 Resp: 3469
Ion Ratio Lower Upper
41 100
39 0.6 55.9 83.9#
76 0.0 31.0 46.6#





#16

Acetone

Concen: 16.82 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.01 min

Lab File: VW001143.D

Acq: 30 Jan 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

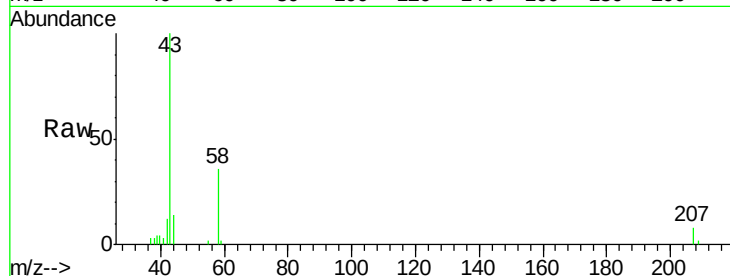
EPE-108-4(90-92)RE

Tgt Ion: 43 Resp: 7494

Ion Ratio Lower Upper

43 100

58 35.7 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

3000

2500

2000

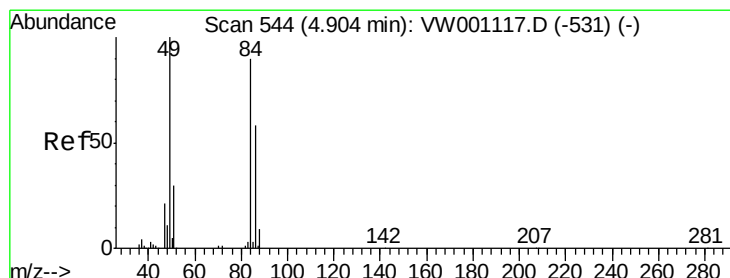
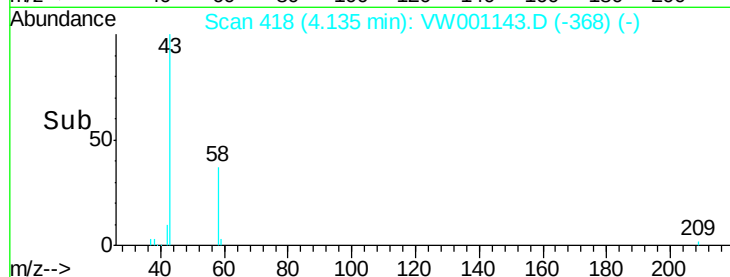
1500

1000

500

0

Time--> 4.00 4.10 4.20



#20

Methylene Chloride

Concen: 62.97 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.01 min

Lab File: VW001143.D

Acq: 30 Jan 2018 01:46

Tgt Ion: 84 Resp: 91828

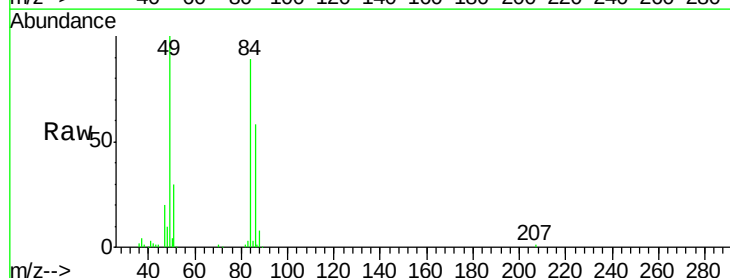
Ion Ratio Lower Upper

84 100

49 112.0 89.2 133.8

51 33.9 26.7 40.1

86 65.5 51.7 77.5



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

50000

40000

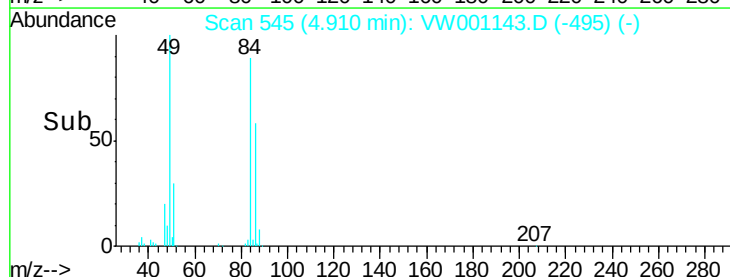
30000

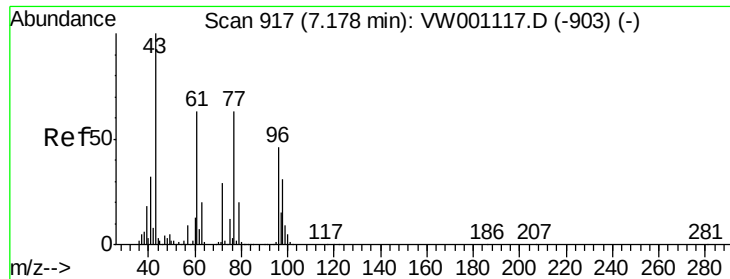
20000

10000

0

Time--> 4.80 4.90 5.00

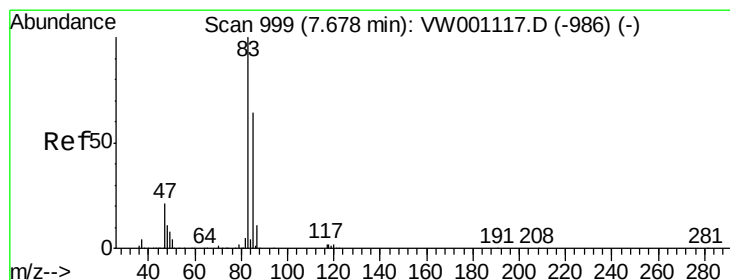
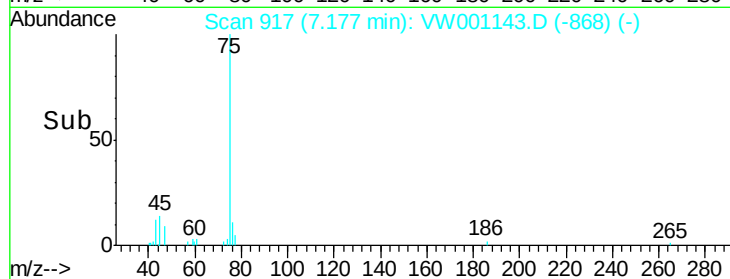
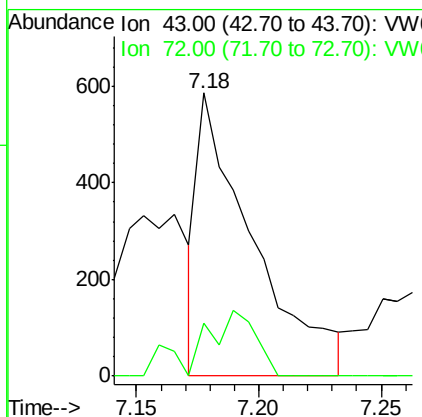
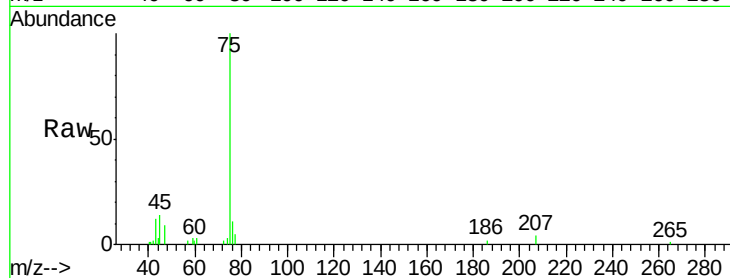




#25
 2-Butanone
 Concen: 1.56 ug/l
 RT: 7.18 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VW001143.D
 Acq: 30 Jan 2018 01:46

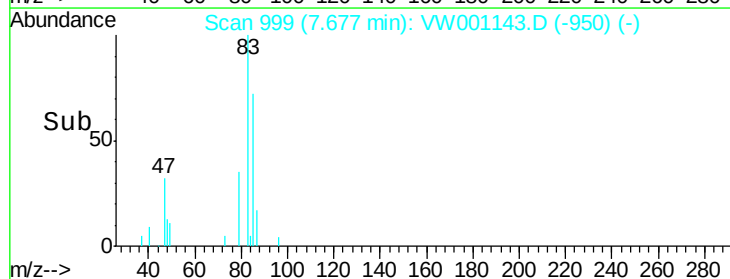
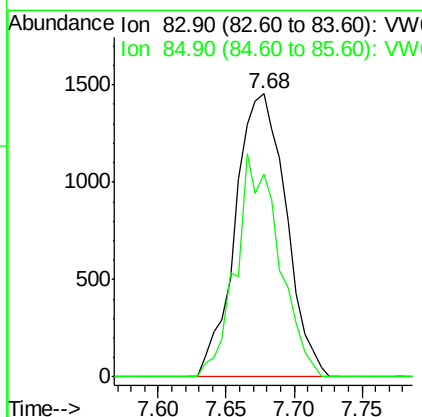
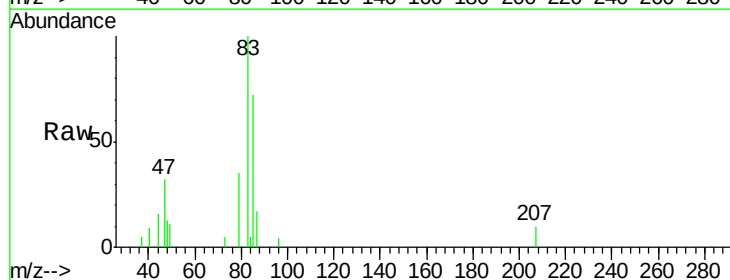
Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-108-4(90-92)RE

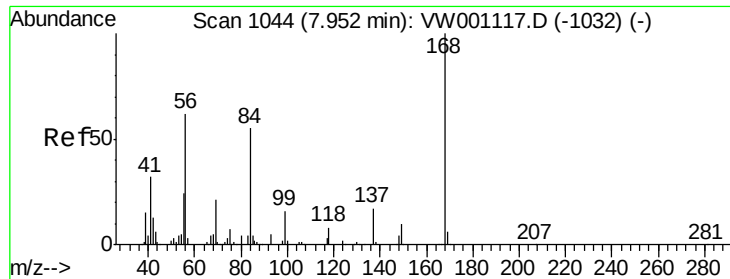
Tgt Ion: 43 Resp: 915
 Ion Ratio Lower Upper
 43 100
 72 22.2 22.8 34.2#



#30
 Chloroform
 Concen: 1.35 ug/l
 RT: 7.68 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VW001143.D
 Acq: 30 Jan 2018 01:46

Tgt Ion: 83 Resp: 3788
 Ion Ratio Lower Upper
 83 100
 85 71.8 51.4 77.2

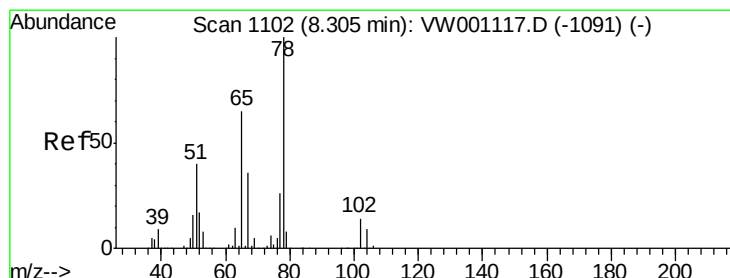
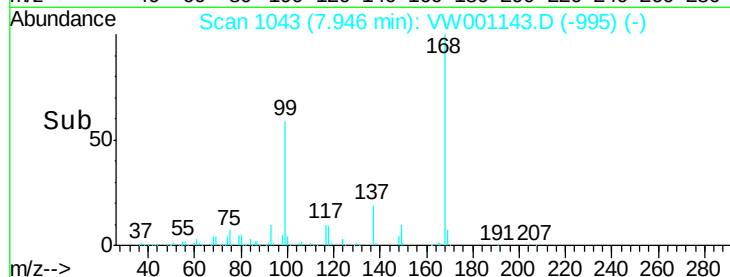
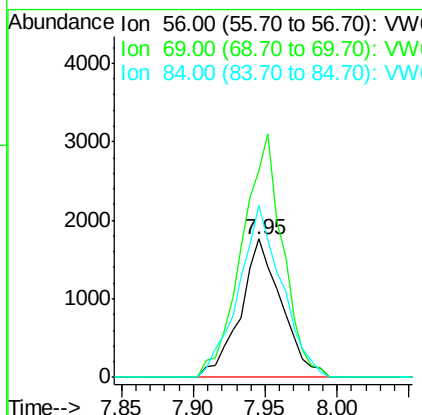
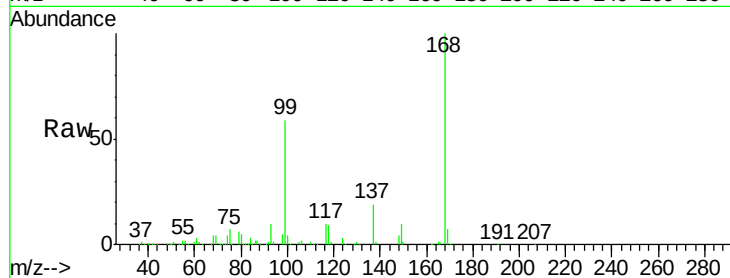




#31
Cyclohexane
Concen: 1.39 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW001143.D
Acq: 30 Jan 2018 01:46

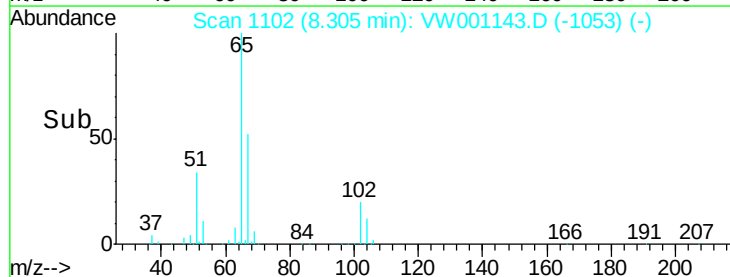
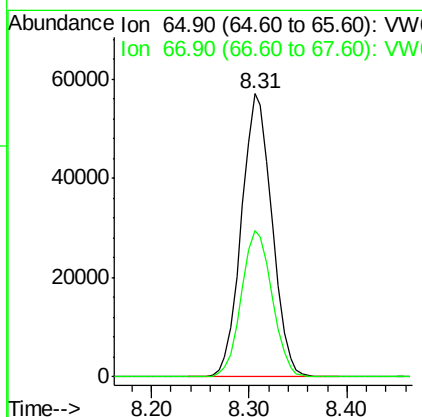
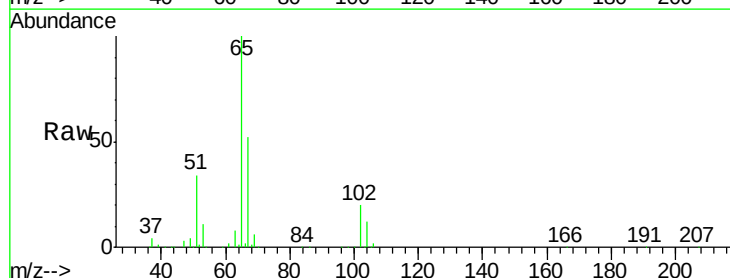
Instrument :
MSVOA_W
ClientSampleId :
EPE-108-4(90-92)RE

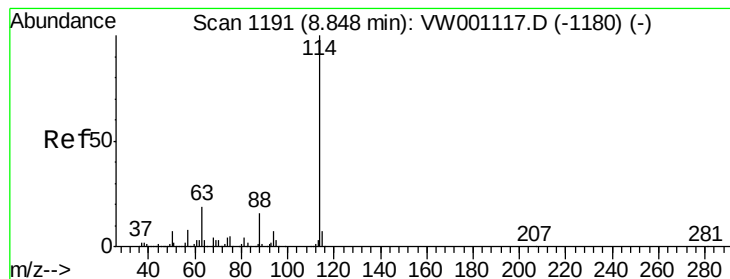
Tgt Ion: 56 Resp: 3485
Ion Ratio Lower Upper
56 100
69 148.9 27.4 41.0#
84 129.2 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 72.69 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VW001143.D
Acq: 30 Jan 2018 01:46

Tgt Ion: 65 Resp: 123159
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW001143.D

Acq: 30 Jan 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-4(90-92)RE

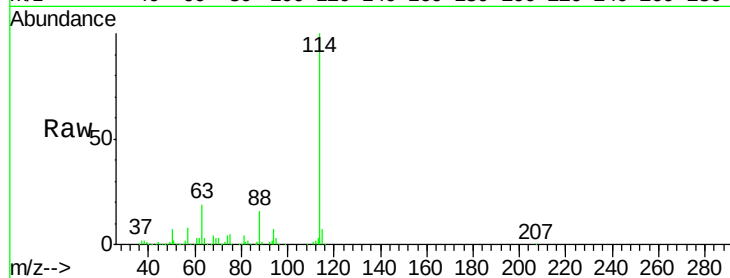
Tgt Ion:114 Resp: 266518

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.2

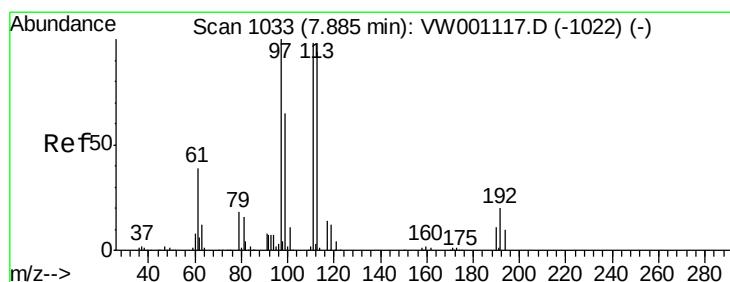
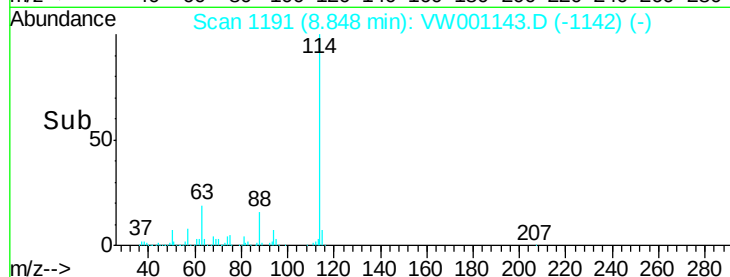
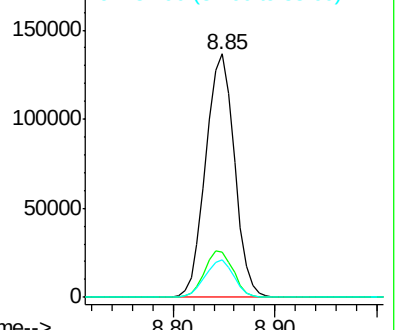
88 15.6 0.0 31.0



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: 61.95 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW001143.D

Acq: 30 Jan 2018 01:46

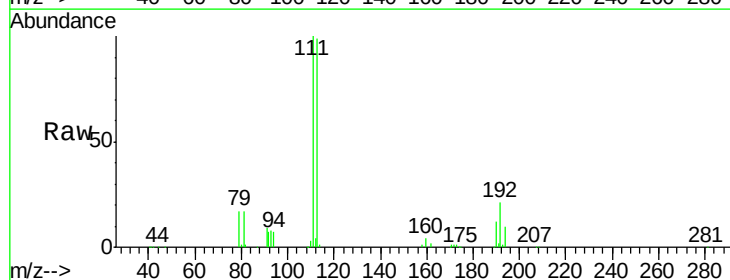
Tgt Ion:113 Resp: 105615

Ion Ratio Lower Upper

113 100

111 102.5 83.1 124.7

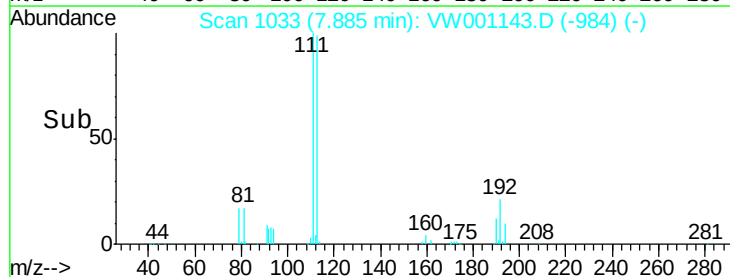
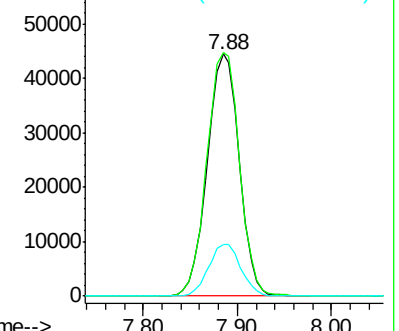
192 21.6 17.8 26.6

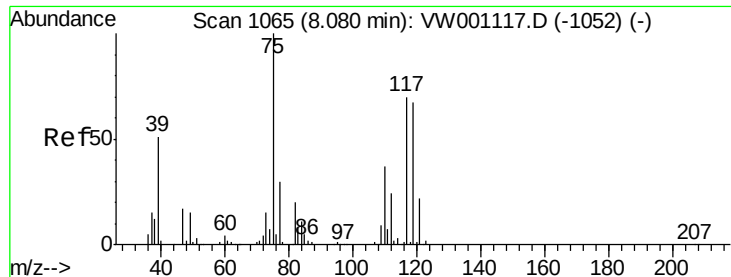


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.07 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW001143.D

Acq: 30 Jan 2018 01:46

Instrument :

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EPE-108-4(90-92)RE

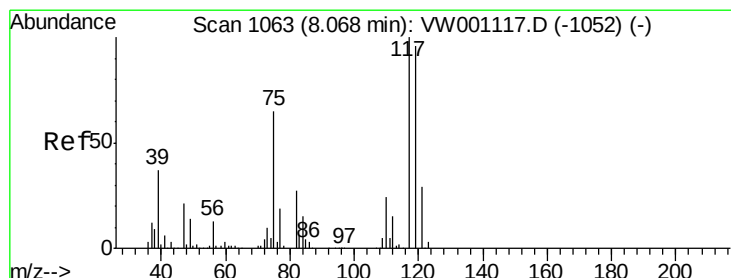
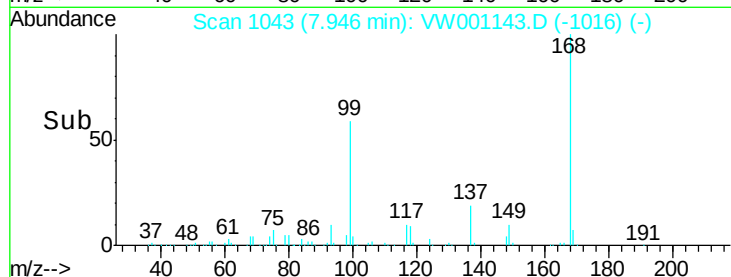
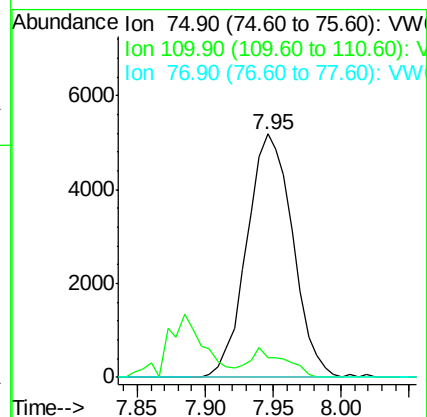
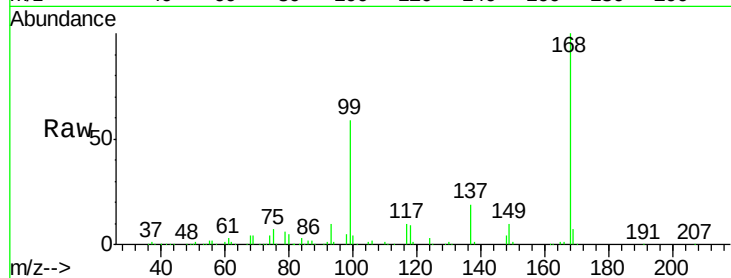
Tgt Ion: 75 Resp: 12201

Ion Ratio Lower Upper

75 100

110 9.3 18.7 56.1#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 6.16 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW001143.D

Acq: 30 Jan 2018 01:46

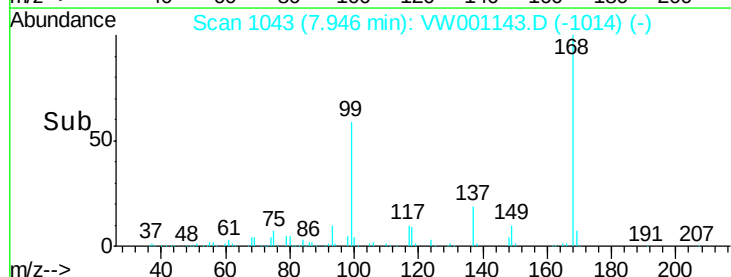
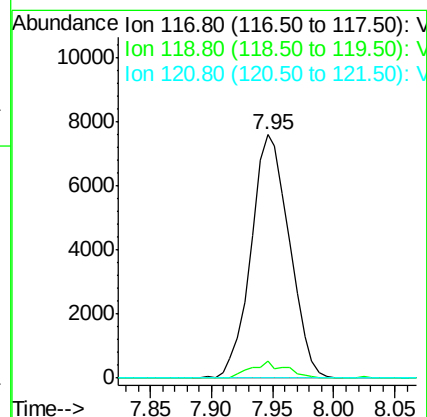
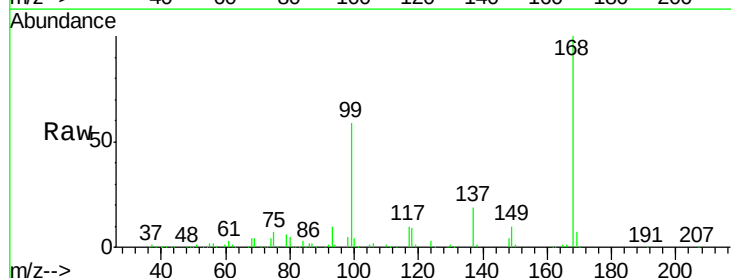
Tgt Ion: 117 Resp: 16543

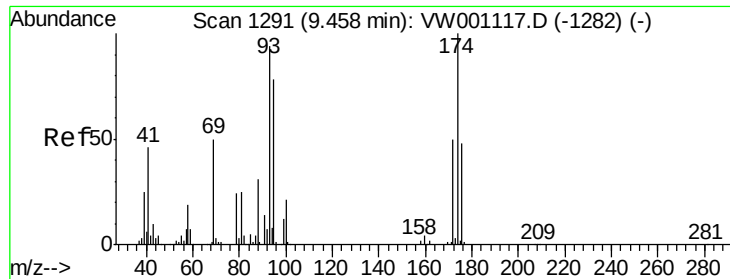
Ion Ratio Lower Upper

117 100

119 7.0 77.0 115.4#

121 0.0 23.5 35.3#





#49

1,4-Dioxane

Concen: 1.12 ug/l

RT: 9.24 min Scan# 1256

Delta R.T. -0.21 min

Lab File: VW001143.D

Acq: 30 Jan 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-4(90-92)RE

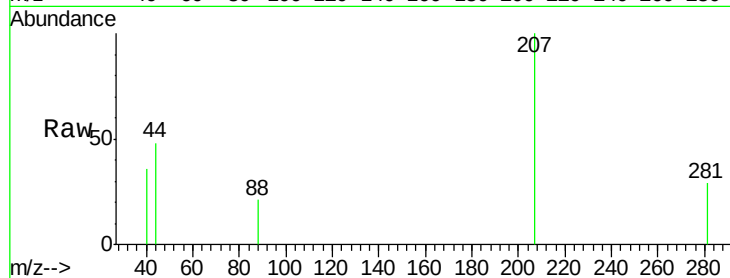
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 100.0 23.0 34.6#

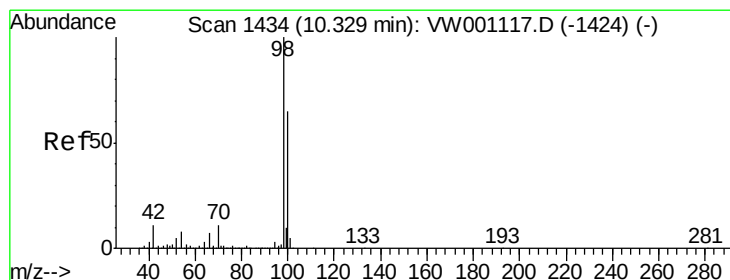
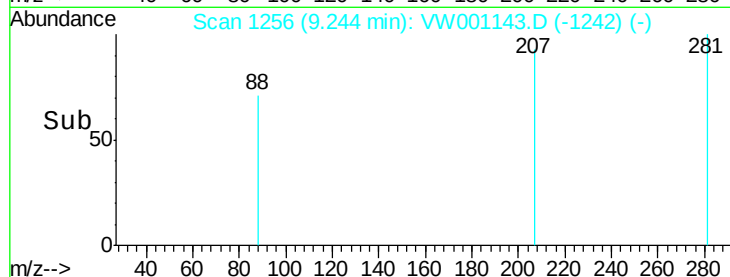
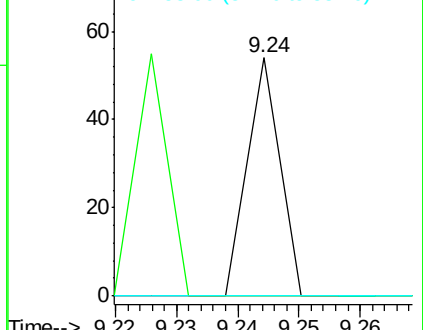
58 0.0 53.9 80.9#



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: 59.69 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW001143.D

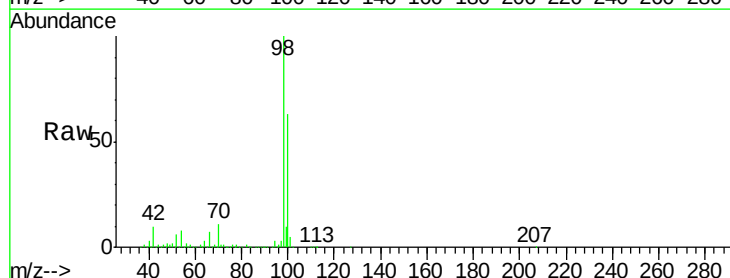
Acq: 30 Jan 2018 01:46

Tgt Ion: 98 Resp: 391628

Ion Ratio Lower Upper

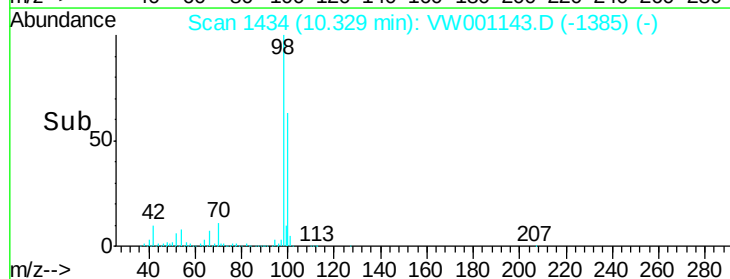
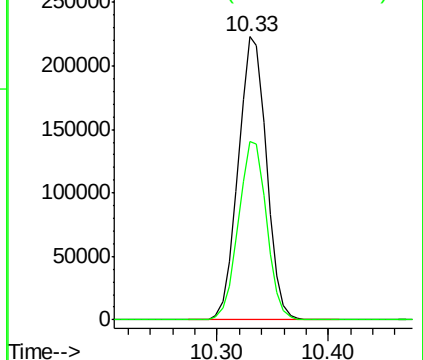
98 100

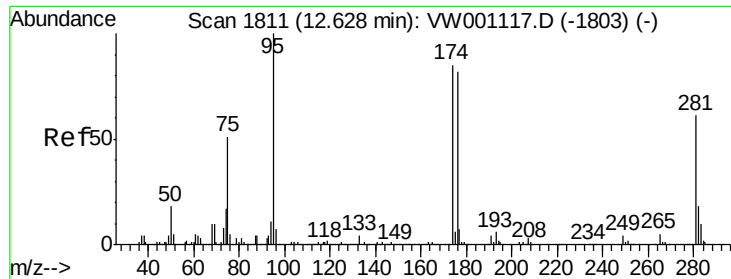
100 63.0 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 36.16 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW001143.D

Acq: 30 Jan 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-4(90-92)RE

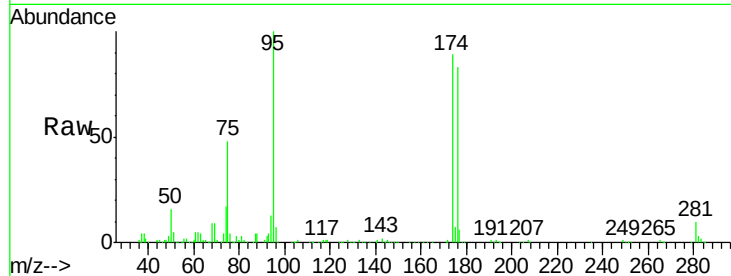
Tgt Ion: 95 Resp: 87424

Ion Ratio Lower Upper

95 100

174 89.8 0.0 179.6

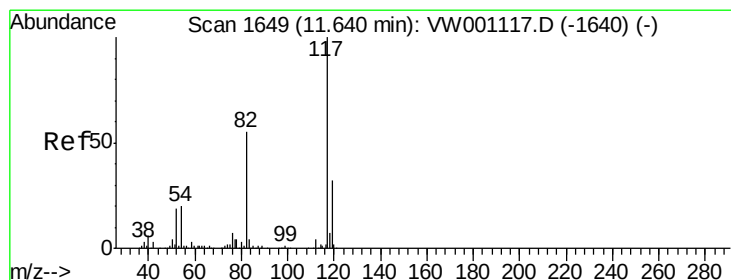
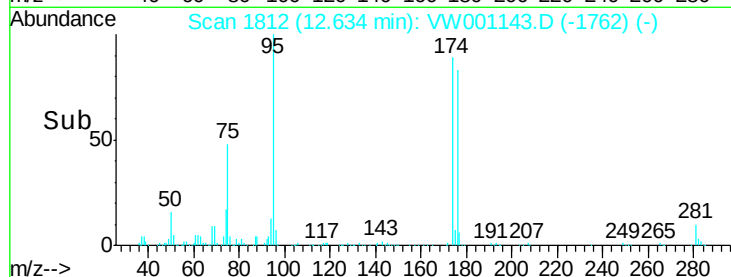
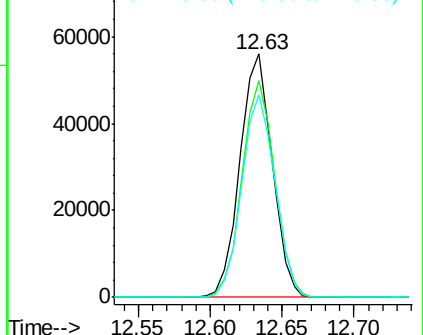
176 85.2 0.0 174.4



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: 11.64 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VW001143.D

Acq: 30 Jan 2018 01:46

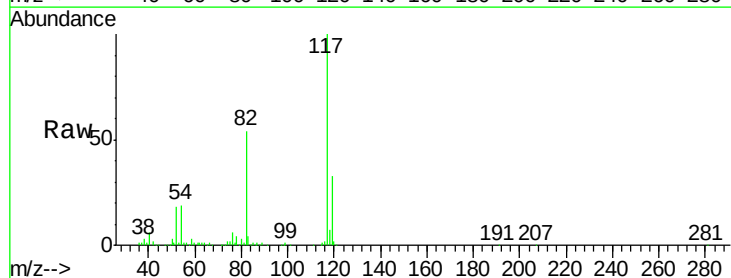
Tgt Ion: 117 Resp: 204320

Ion Ratio Lower Upper

117 100

82 53.5 43.8 65.8

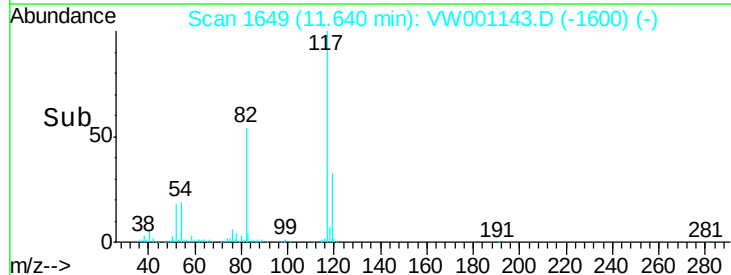
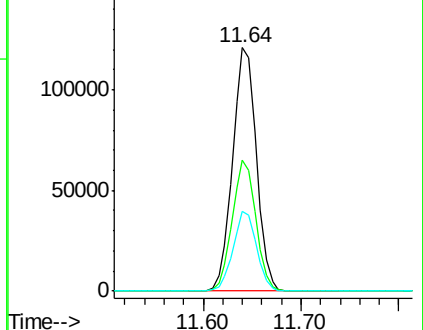
119 32.9 25.8 38.8

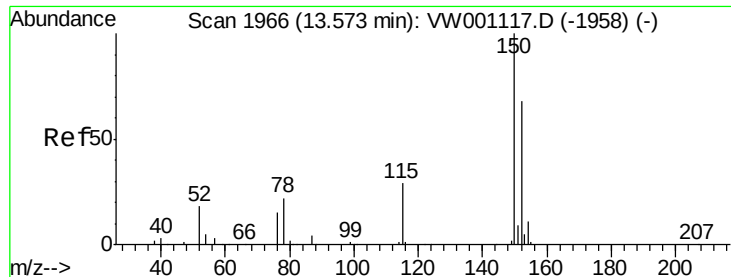


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VW001143.D

Acq: 30 Jan 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-4(90-92)RE

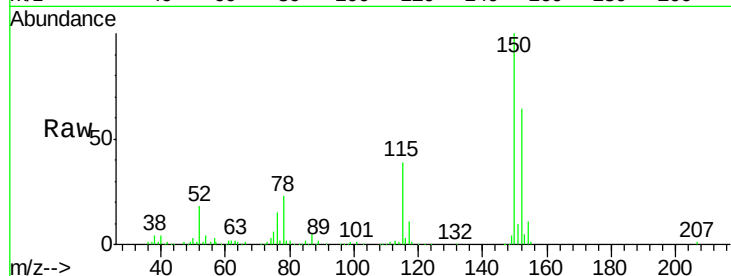
Tgt Ion:152 Resp: 59698

Ion Ratio Lower Upper

152 100

115 57.2 28.4 85.3

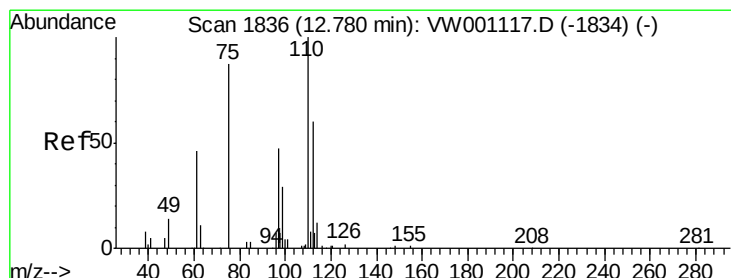
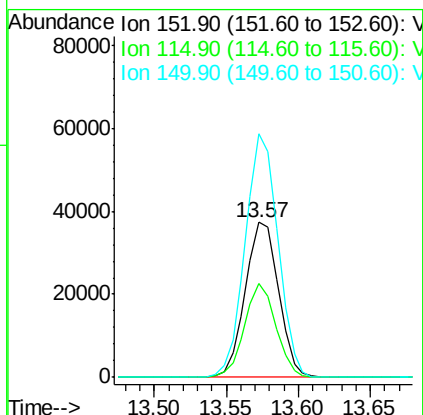
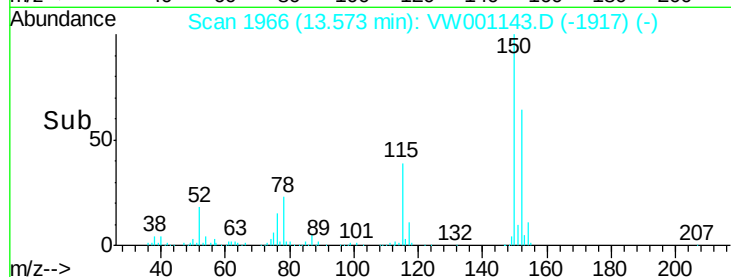
150 154.2 0.0 342.4



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



#76

1,2,3-Trichloropropane

Concen: 71.91 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.15 min

Lab File: VW001143.D

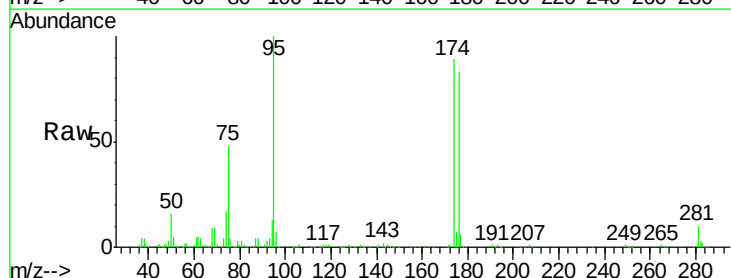
Acq: 30 Jan 2018 01:46

Tgt Ion: 75 Resp: 43507

Ion Ratio Lower Upper

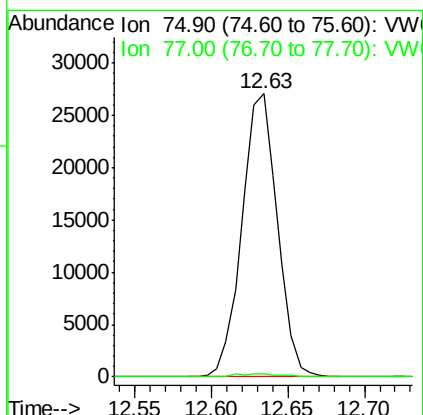
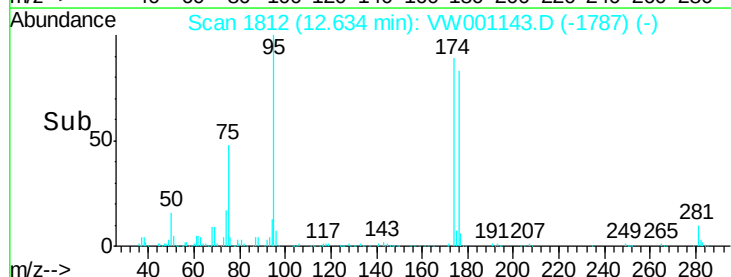
75 100

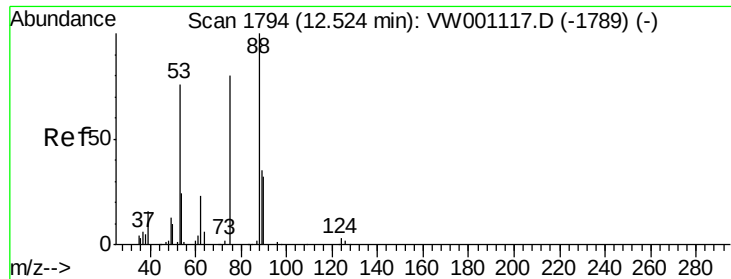
77 1.3 0.0 0.0#



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: 189.07 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.11 min

Lab File: VW001143.D

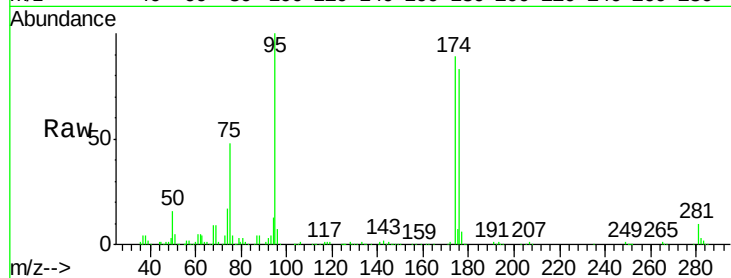
Acq: 30 Jan 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-4(90-92)RE



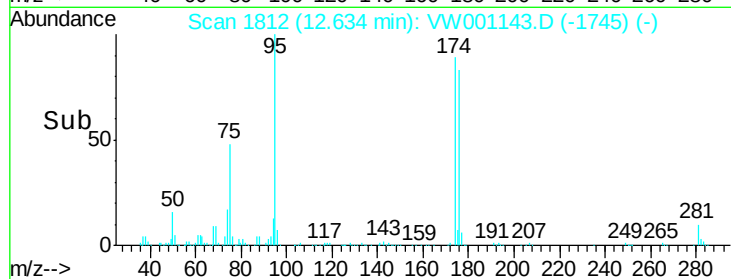
Tgt Ion: 75 Resp: 43507

Ion Ratio Lower Upper

75 100

53 0.1 75.0 112.6#

89 0.0 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

