

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090618\
 Data File : VW005169.D
 Acq On : 06 Sep 2018 17:33
 Operator : SY/AP
 Sample : J4687-01RE
 Misc : 3.34G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ENY-SB-05-1.5-2RE

Quant Time: Sep 06 18:23:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	46391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	61283	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	44758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	9553	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.32	65	30713	79.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	159.74%	
35) Dibromofluoromethane	7.90	113	28657	80.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	161.84%	
50) Toluene-d8	10.33	98	78464	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
62) 4-Bromofluorobenzene	12.62	95	14293	24.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	49.68%	

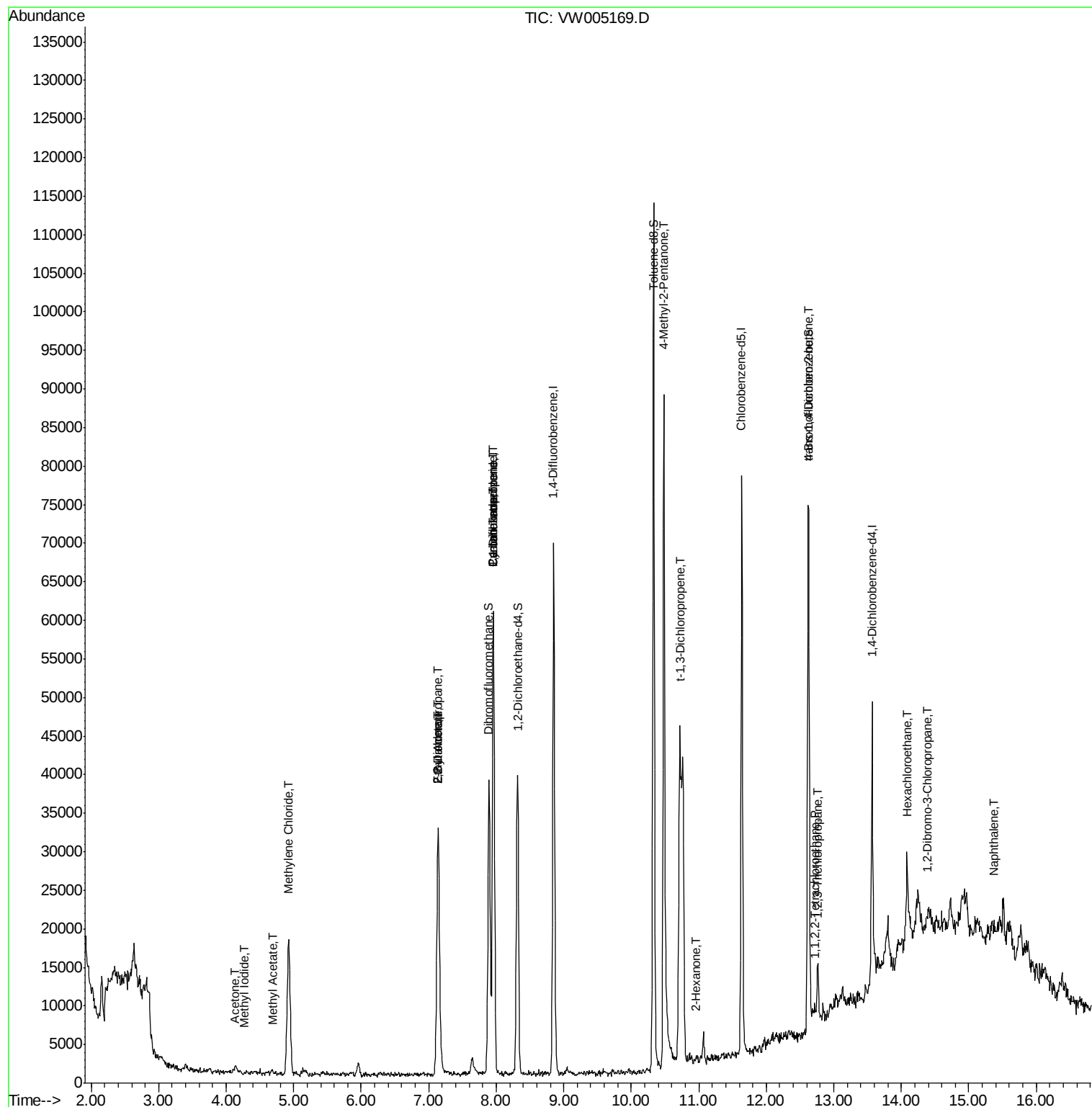
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	798	Below Cal	#	71
10) Methyl Iodide	4.27	142	19	3.847	ug/l #	44
11) Tert butyl alcohol	5.17	59	831	Below Cal	#	72
16) Acetone	4.13	43	642	8.324	ug/l #	84
18) Methyl Acetate	4.68	43	683	3.010	ug/l #	55
20) Methylene Chloride	4.92	84	13772	24.444	ug/l	97
25) 2-Butanone	7.14	43	1821	13.613	ug/l #	63
26) 2,2-Dichloropropane	7.14	77	2314	3.651	ug/l #	51
31) Cyclohexane	7.95	56	869	1.151	ug/l #	3
36) 1,1-Dichloropropene	7.96	75	3523	6.036	ug/l #	43
37) Ethyl Acetate	7.14	43	1821	8.343	ug/l #	1
38) Carbon Tetrachloride	7.96	117	4305	7.757	ug/l #	19
51) 4-Methyl-2-Pentanone	10.48	43	545	2.047	ug/l	96
53) t-1,3-Dichloropropene	10.71	75	570	1.104	ug/l #	66
59) 2-Hexanone	10.97	43	265	1.472	ug/l #	22
75) 1,1,2,2-Tetrachloroethane	12.72	83	145	1.414	ug/l #	46
76) 1,2,3-Trichloropropane	12.76	75	264	3.682	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	6923	232.375	ug/l #	17
90) Hexachloroethane	14.10	117	166	1.579	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.38	75	103	6.428	ug/l #	25
95) Naphthalene	15.37	128	530	5.396	ug/l #	47

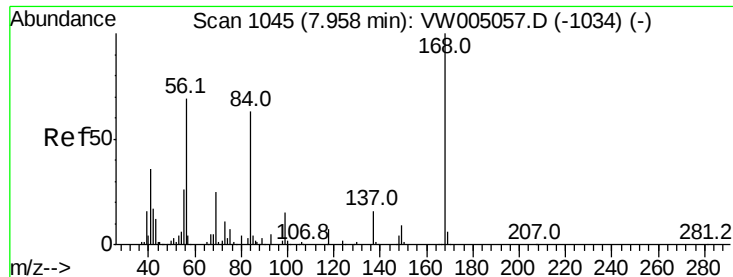
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005169.D

Acq: 06 Sep 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

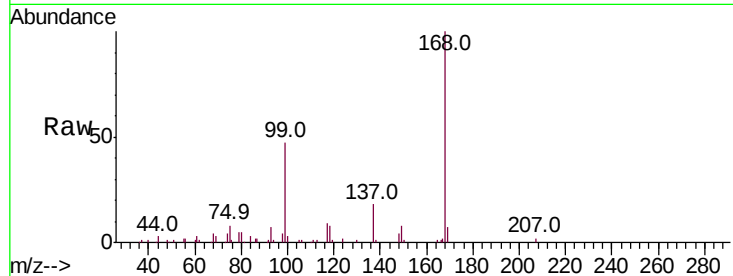
ENY-SB-05-1.5-2RE

Tot Ion:168 Resp: 46391

Ion Ratio Lower Upper

168 100

99 47.1 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

25000

20000

15000

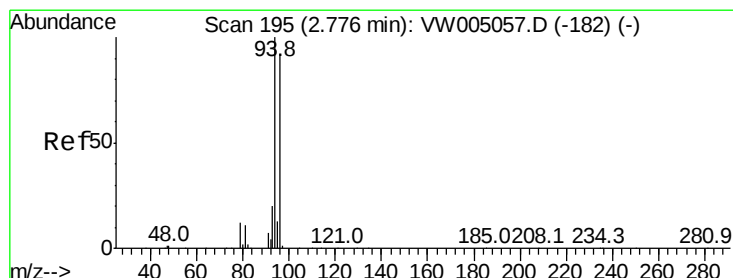
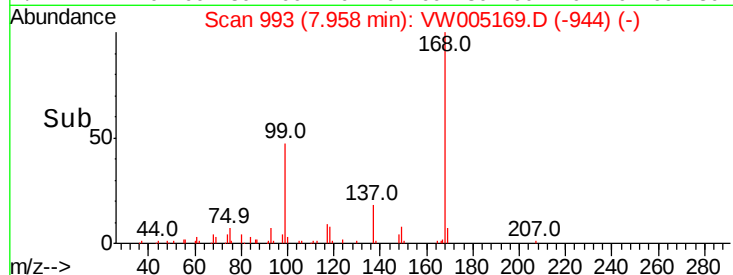
10000

5000

0

7.90 8.00 8.10

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW005169.D

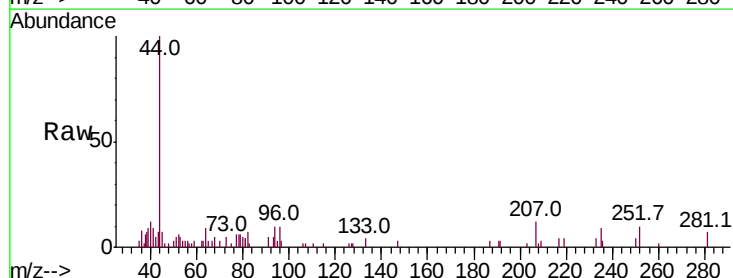
Acq: 06 Sep 2018 17:33

Tgt Ion: 94 Resp: 798

Ion Ratio Lower Upper

94 100

96 64.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

500

400

300

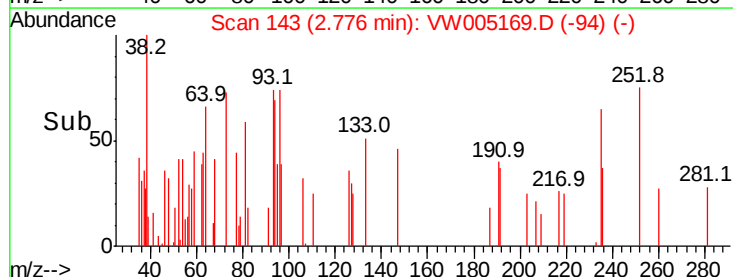
200

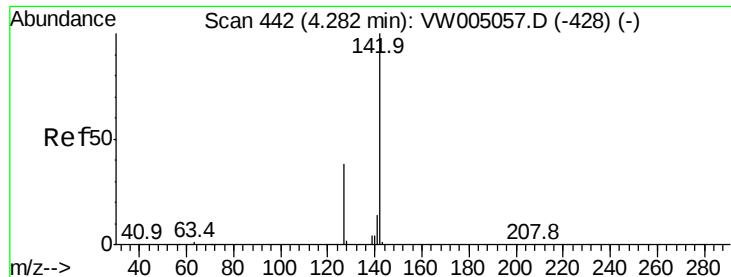
100

0

2.75 2.80

Time-->





#10

Methvl Iodide

Concen: 3.847 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW005169.D

Acq: 06 Sep 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

ENY-SB-05-1.5-2RE

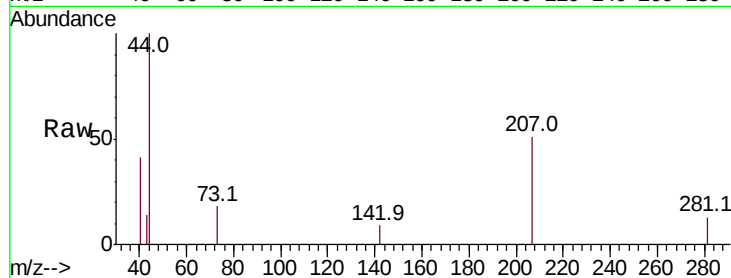
Tot Ion:142 Resp: 19

Ion Ratio Lower Upper

142 100

127 0.0 30.8 46.2#

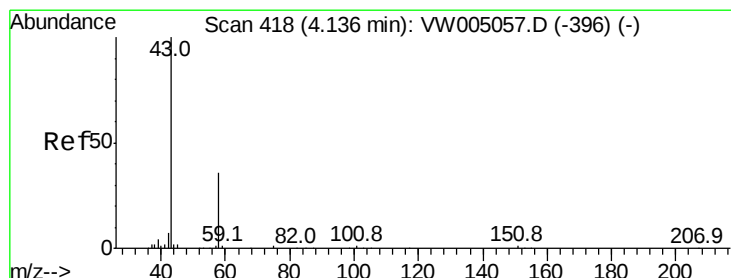
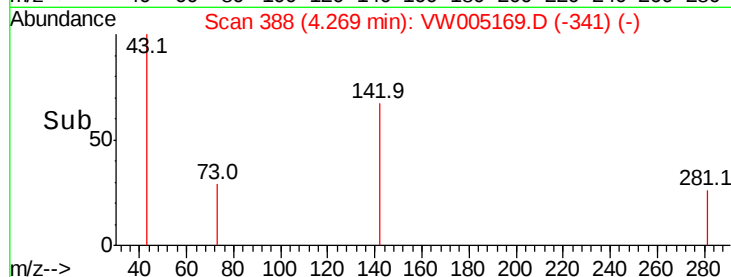
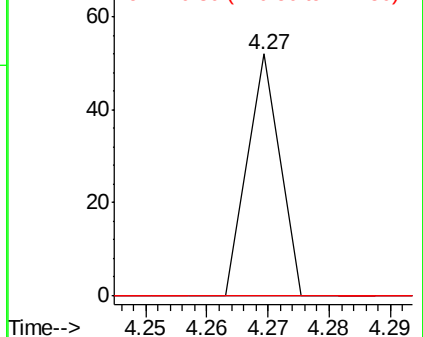
141 0.0 11.6 17.4#



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: 8.324 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW005169.D

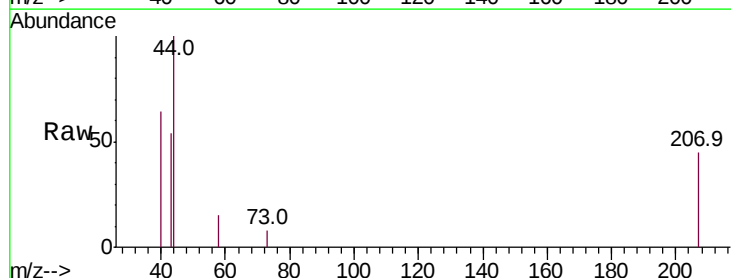
Acq: 06 Sep 2018 17:33

Tgt Ion: 43 Resp: 642

Ion Ratio Lower Upper

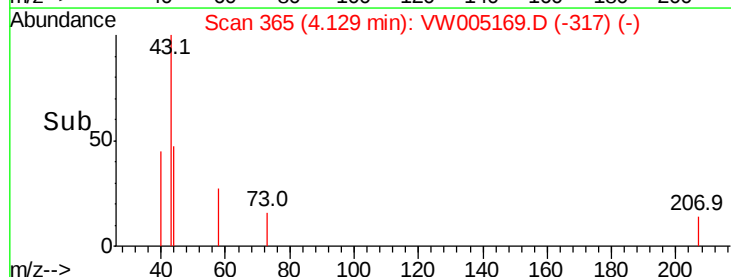
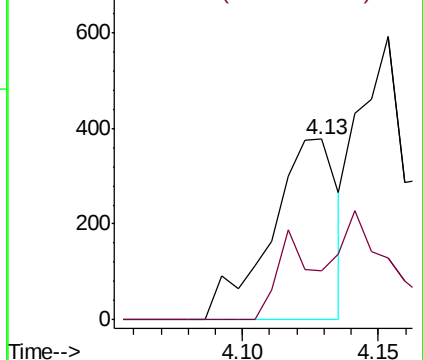
43 100

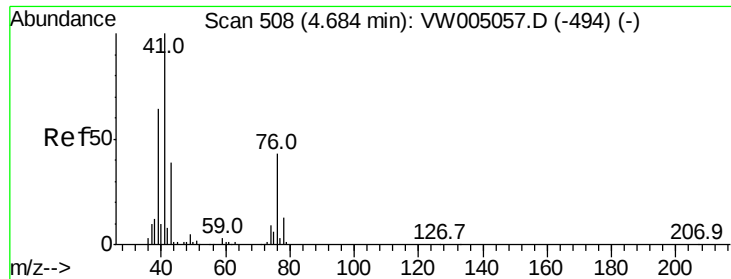
58 27.1 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

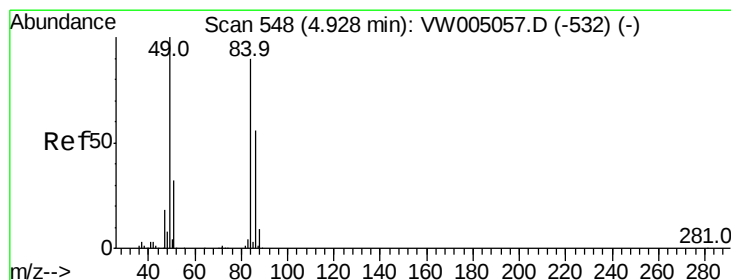
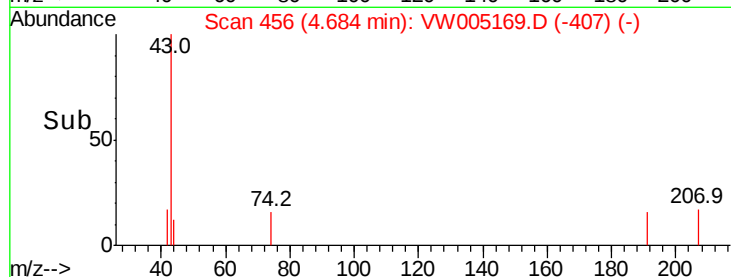
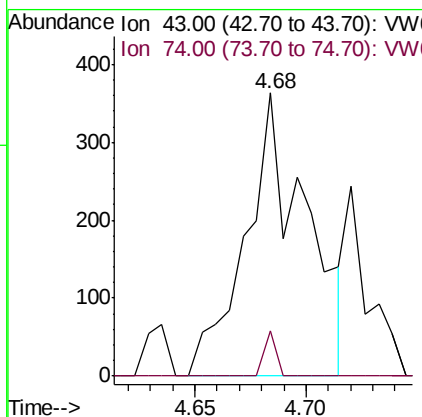
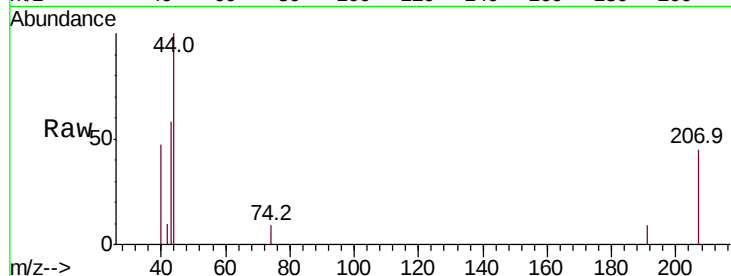




#18
Methvl Acetate
Concen: 3.010 ug/l
RT: 4.68 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW005169.D
Acq: 06 Sep 2018 17:33

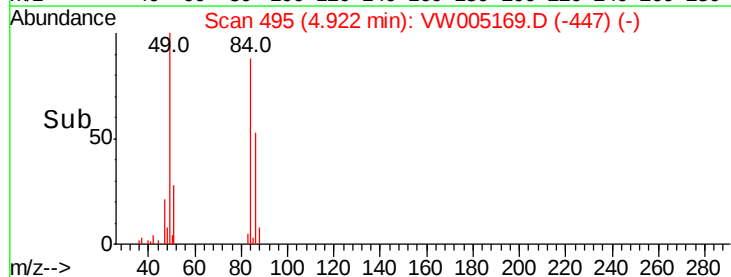
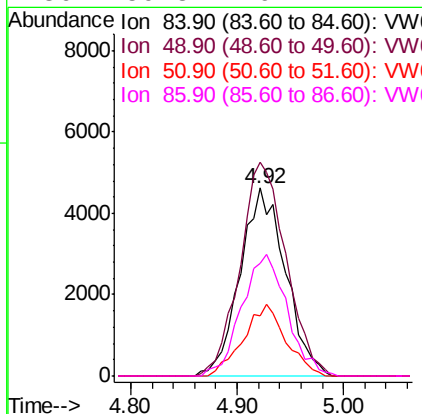
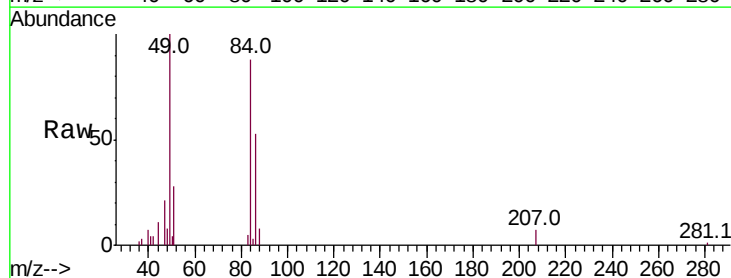
Instrument :
MSVOA_W
ClientSampleId :
ENY-SB-05-1.5-2RE

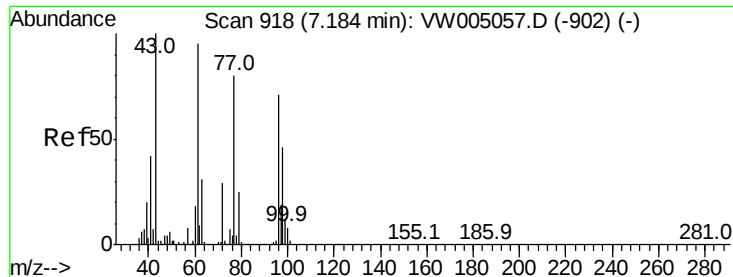
Tot Ion: 43 Resp: 683
Ion Ratio Lower Upper
43 100
74 3.1 20.7 31.1#



#20
Methylene Chloride
Concen: 24.444 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW005169.D
Acq: 06 Sep 2018 17:33

Tgt Ion: 84 Resp: 13772
Ion Ratio Lower Upper
84 100
49 113.7 88.7 133.1
51 32.3 28.6 42.8
86 59.8 49.4 74.2





#25

2-Butanone

Concen: 13.613 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.04 min

Lab File: VW005169.D

Acq: 06 Sep 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

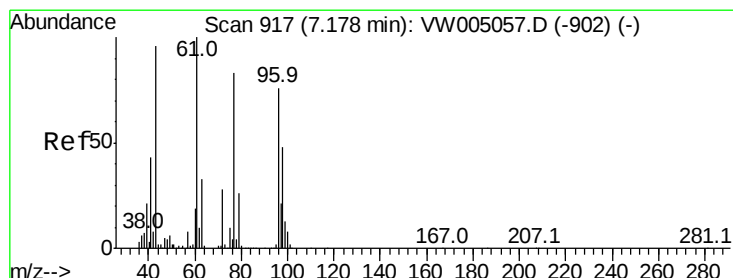
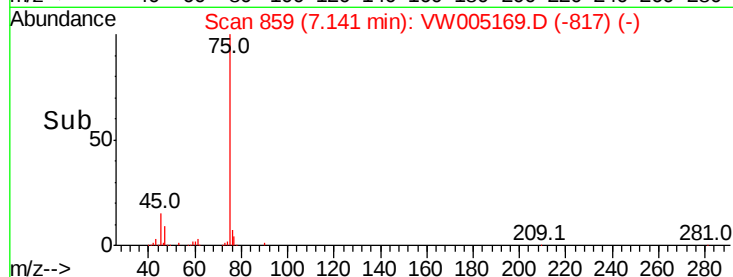
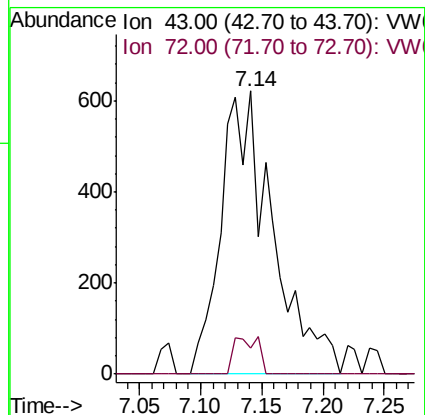
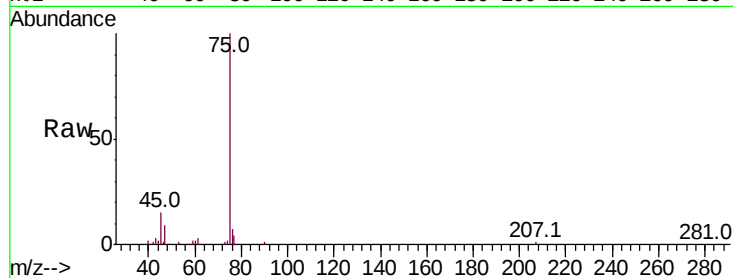
ENY-SB-05-1.5-2RE

Tot Ion: 43 Resp: 1821

Ion Ratio Lower Upper

43 100

72 9.0 23.1 34.7#



#26

2,2-Dichloropropane

Concen: 3.651 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.04 min

Lab File: VW005169.D

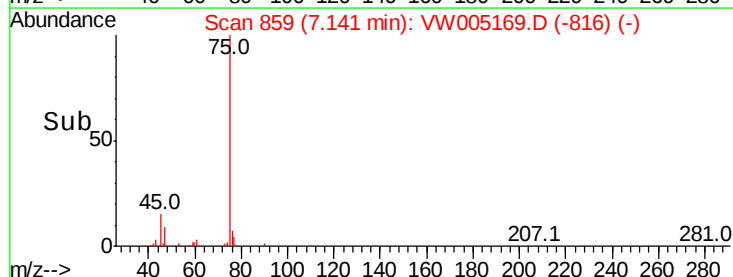
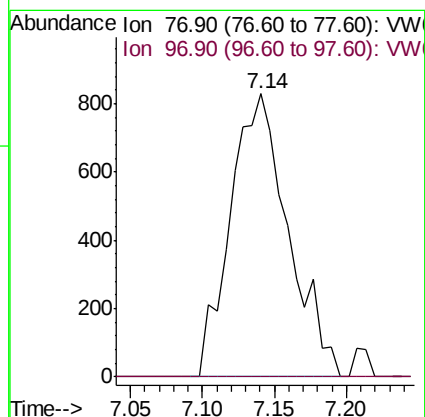
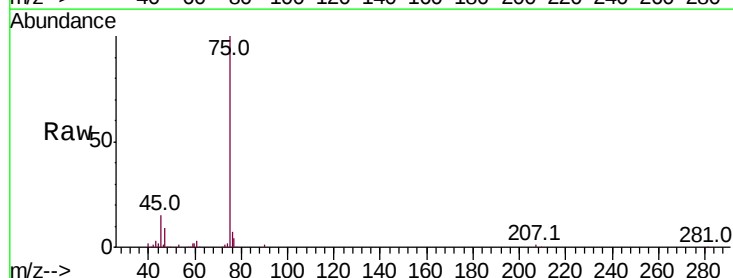
Acq: 06 Sep 2018 17:33

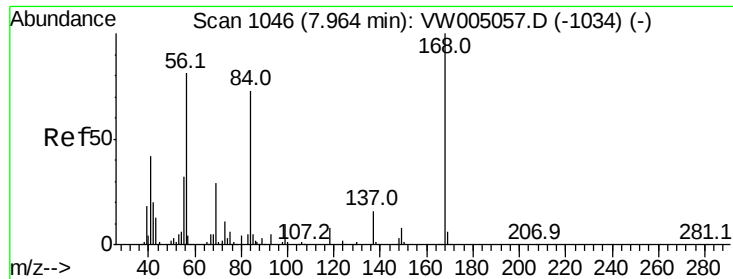
Tgt Ion: 77 Resp: 2314

Ion Ratio Lower Upper

77 100

97 0.0 12.2 36.6#

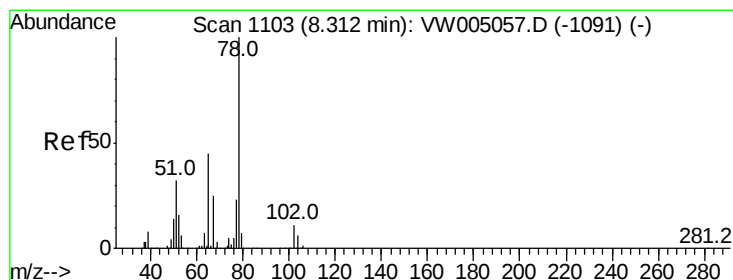
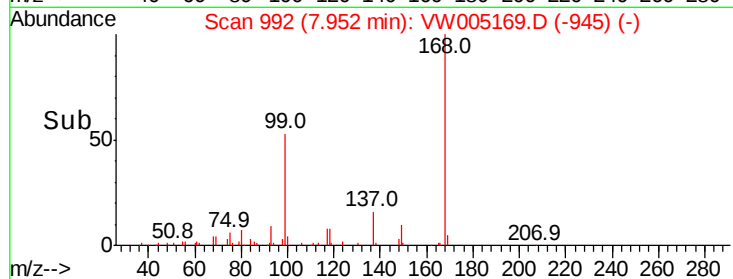
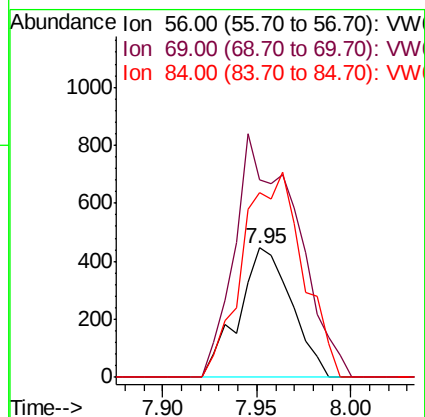
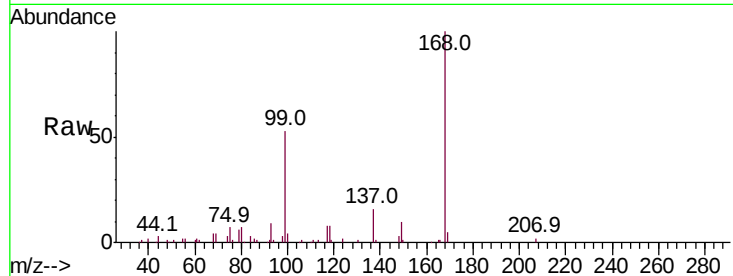




#31
Cyclohexane
Concen: 1.151 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005169.D
Acq: 06 Sep 2018 17:33

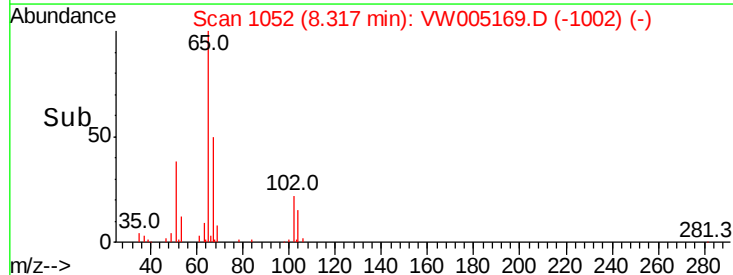
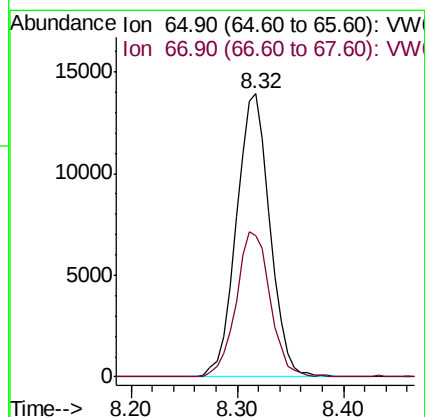
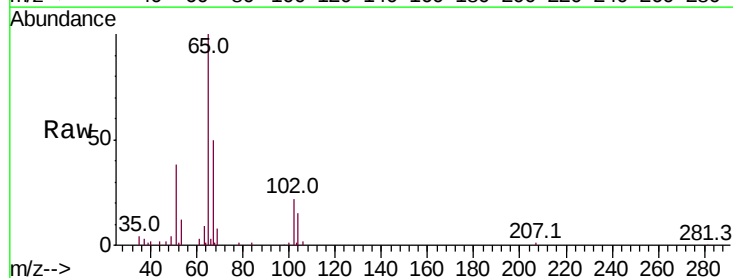
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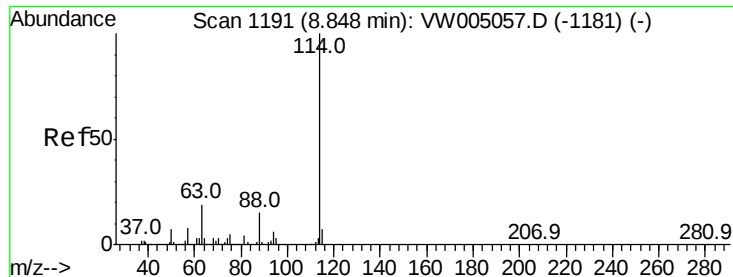
Tot Ion: 56 Resp: 869
Ion Ratio Lower Upper
56 100
69 152.5 28.2 42.2#
84 142.8 71.8 107.8#



#33
1,2-Dichloroethane-d4
Concen: 79.865 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VW005169.D
Acq: 06 Sep 2018 17:33

Tgt Ion: 65 Resp: 30713
Ion Ratio Lower Upper
65 100
67 52.0 0.0 109.4

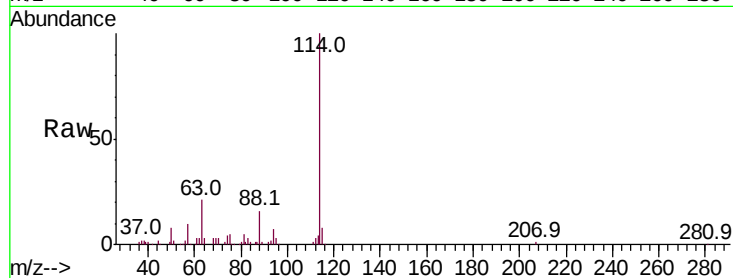




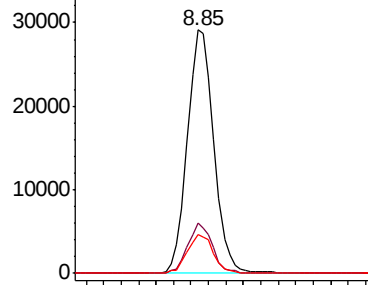
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005169.D
 Acq: 06 Sep 2018 17:33

Instrument :
 MSVOA_W
 ClientSampleId :
 ENY-SB-05-1.5-2RE

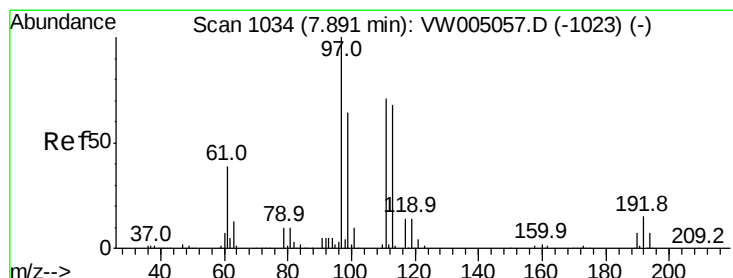
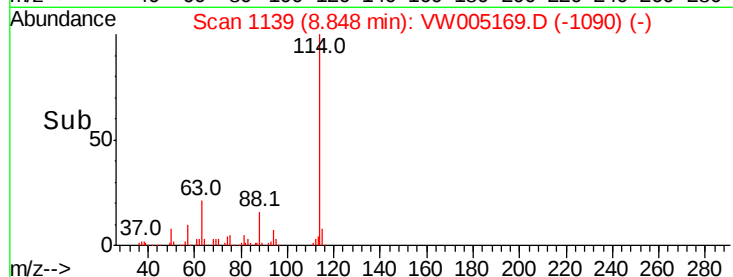
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	38.0
88	15.9	0.0	30.2



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

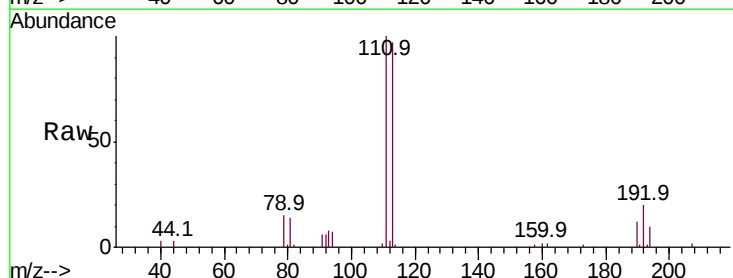


Time-->

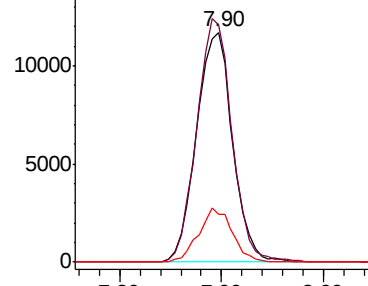


#35
 Dibromofluoromethane
 Concen: 80.919 ug/l
 RT: 7.90 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VW005169.D
 Acq: 06 Sep 2018 17:33

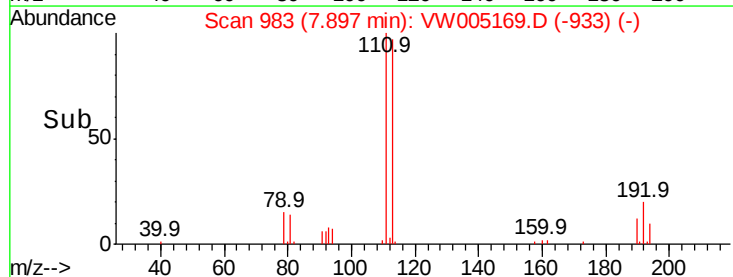
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.2	123.2
192	21.9	18.1	27.1

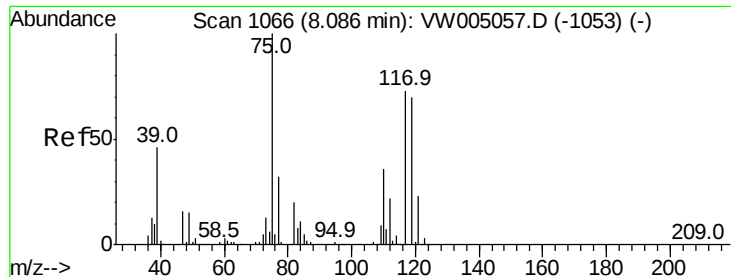


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V



Time-->





#36

1,1-Dichloropropene

Concen: 6.036 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.13 min

Lab File: VW005169.D

Acq: 06 Sep 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

ENY-SB-05-1.5-2RE

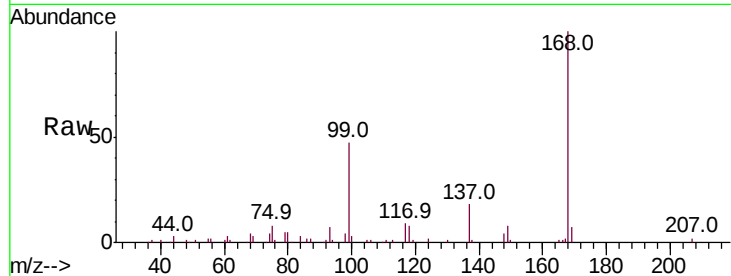
Tot Ion: 75 Resp: 3523

Ion Ratio Lower Upper

75 100

110 3.5 18.9 56.7#

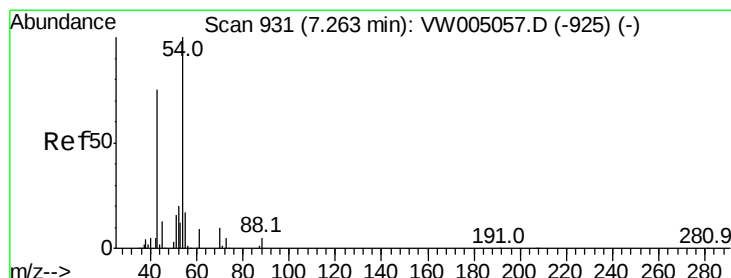
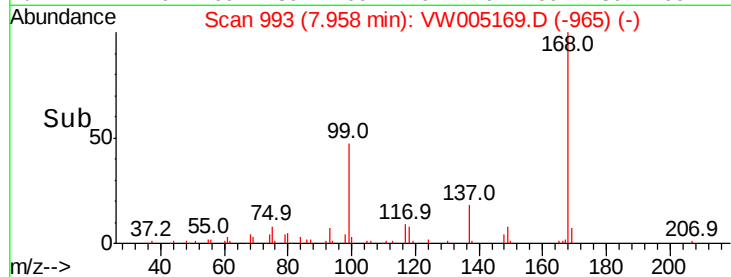
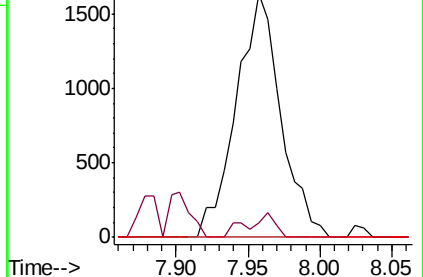
77 0.0 25.5 38.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 8.343 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.12 min

Lab File: VW005169.D

Acq: 06 Sep 2018 17:33

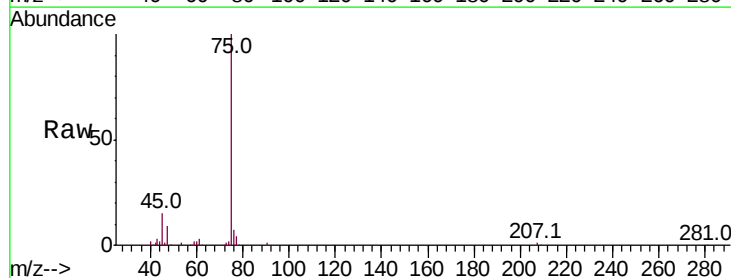
Tgt Ion: 43 Resp: 1821

Ion Ratio Lower Upper

43 100

61 95.1 12.1 18.1#

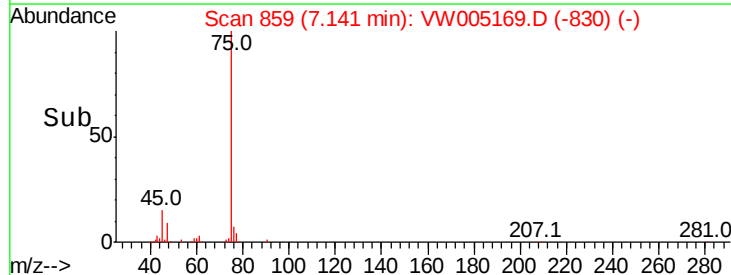
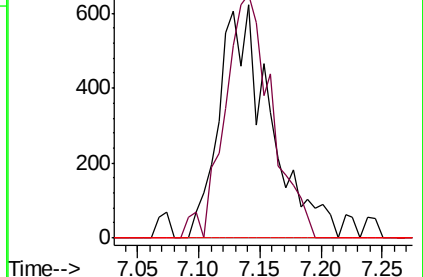
70 0.0 9.4 14.2#

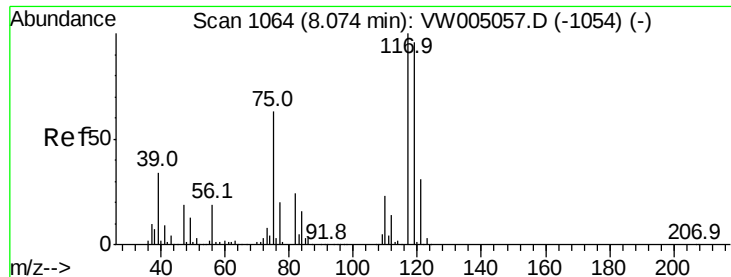


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW





#38

Carbon Tetrachloride

Concen: 7.757 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005169.D

Acq: 06 Sep 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

ENY-SB-05-1.5-2RE

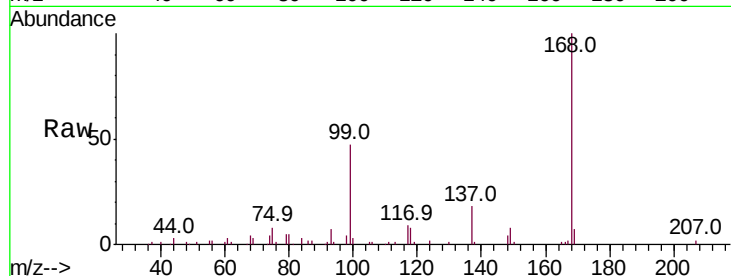
Tot Ion:117 Resp: 4305

Ion Ratio Lower Upper

117 100

119 8.4 76.6 115.0#

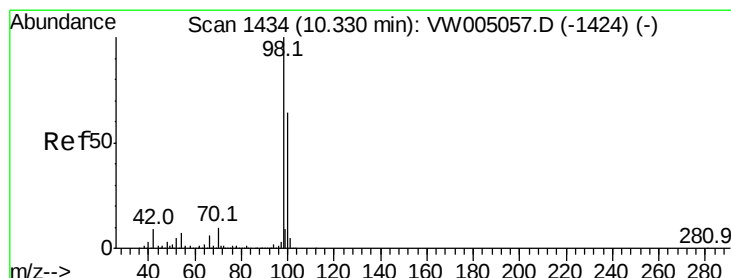
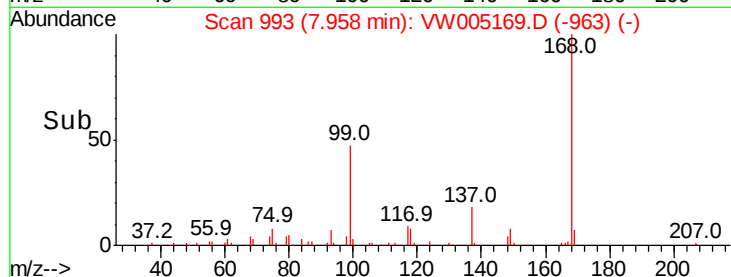
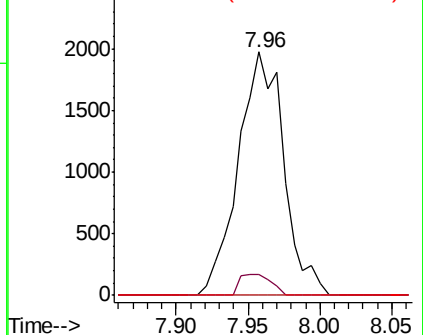
121 0.0 24.8 37.2#



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: 48.083 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005169.D

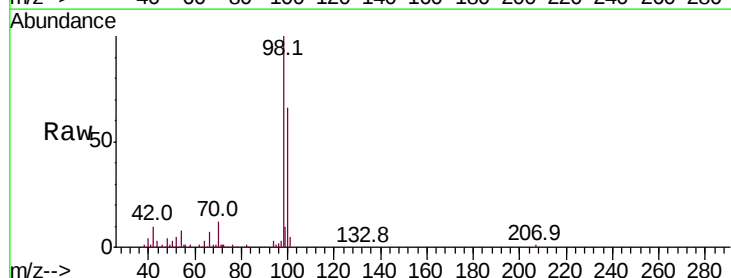
Acq: 06 Sep 2018 17:33

Tgt Ion: 98 Resp: 78464

Ion Ratio Lower Upper

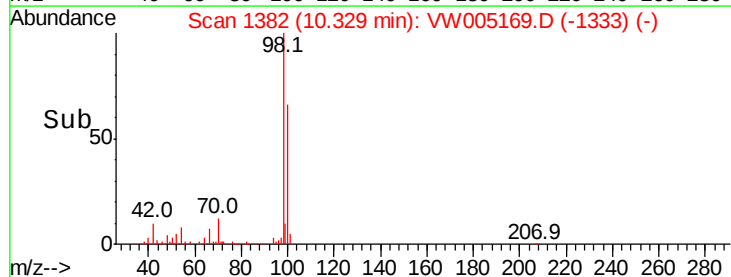
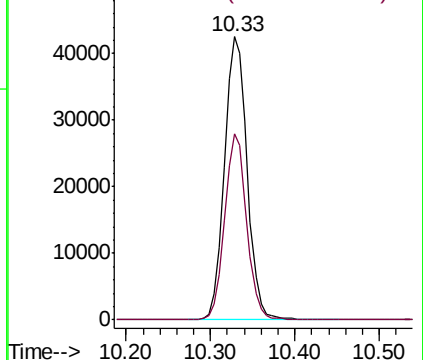
98 100

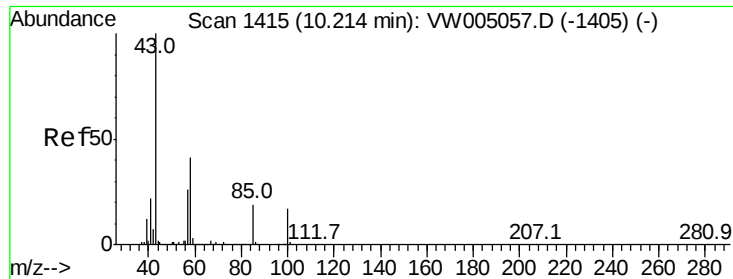
100 63.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 2.047 ug/l

RT: 10.48 min Scan# 1407

Delta R.T. 0.27 min

Lab File: VW005169.D

Acq: 06 Sep 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

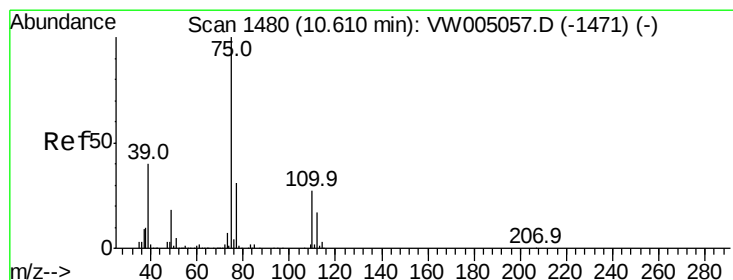
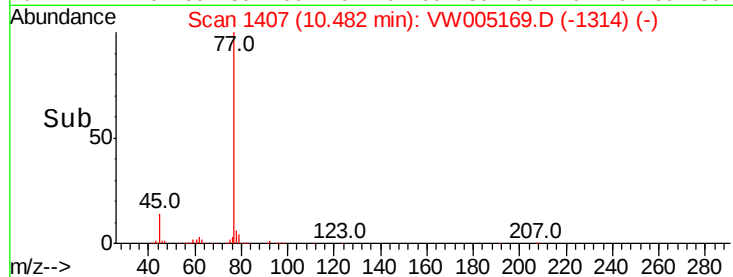
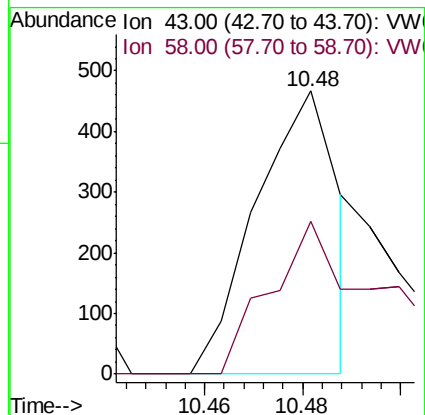
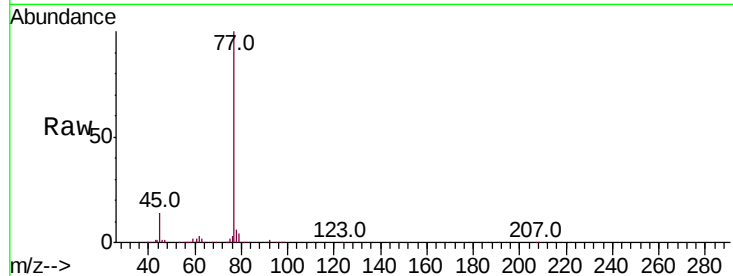
ENY-SB-05-1.5-2RE

Tot Ion: 43 Resp: 545

Ion Ratio Lower Upper

43 100

58 44.0 33.3 49.9



#53

t-1,3-Dichloropropene

Concen: 1.104 ug/l

RT: 10.71 min Scan# 1445

Delta R.T. 0.10 min

Lab File: VW005169.D

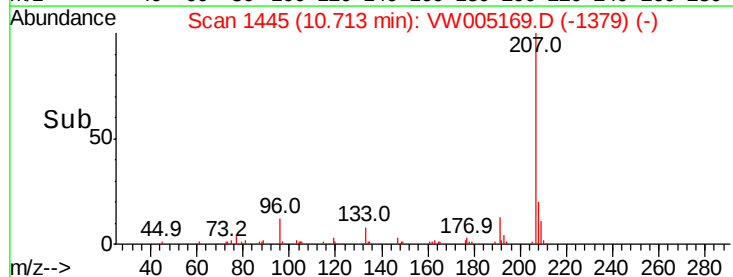
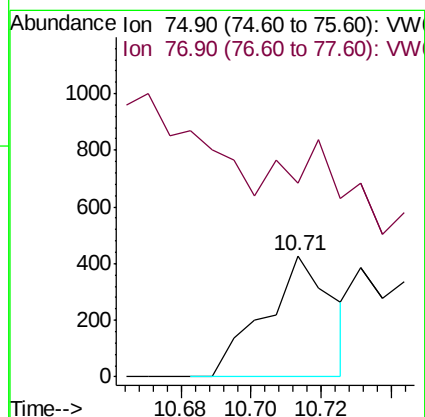
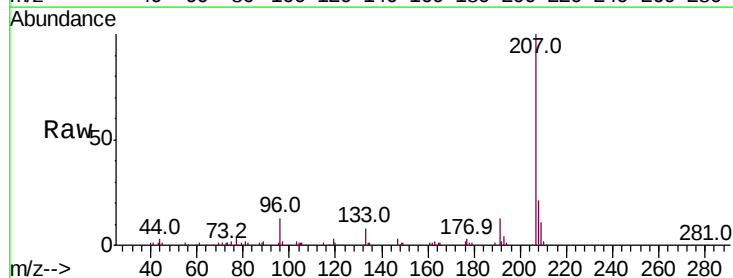
Acq: 06 Sep 2018 17:33

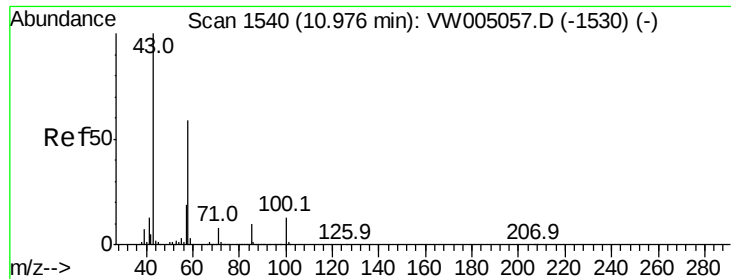
Tgt Ion: 75 Resp: 570

Ion Ratio Lower Upper

75 100

77 12.4 25.0 37.6#





#59

2-Hexanone

Concen: 1.472 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VW005169.D

Acq: 06 Sep 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

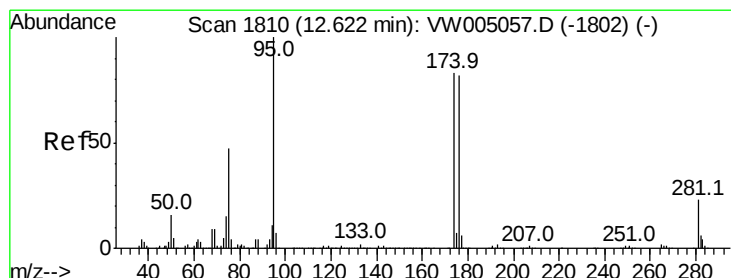
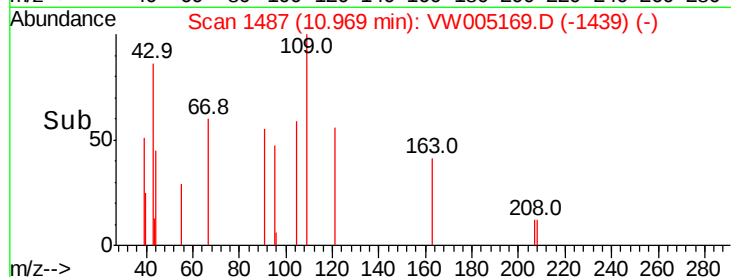
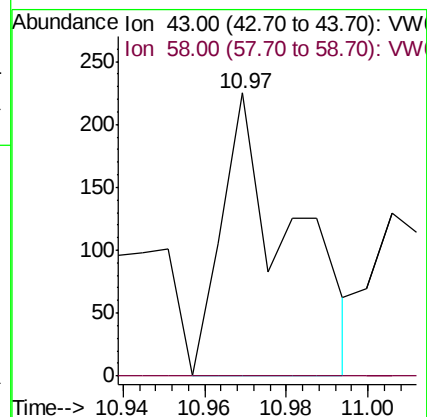
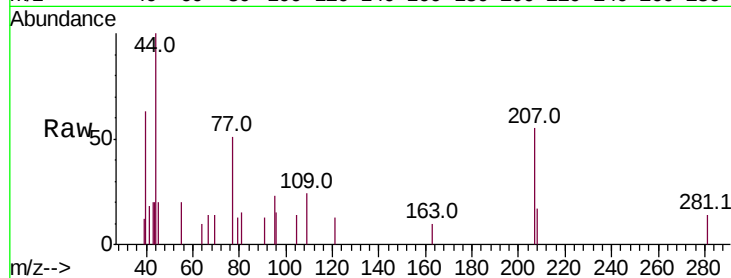
ENY-SB-05-1.5-2RE

Tot Ion: 43 Resp: 265

Ion Ratio Lower Upper

43 100

58 0.0 28.7 86.3#



#62

4-Bromofluorobenzene

Concen: 24.840 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005169.D

Acq: 06 Sep 2018 17:33

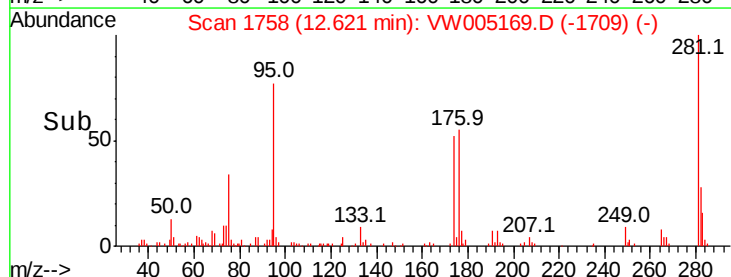
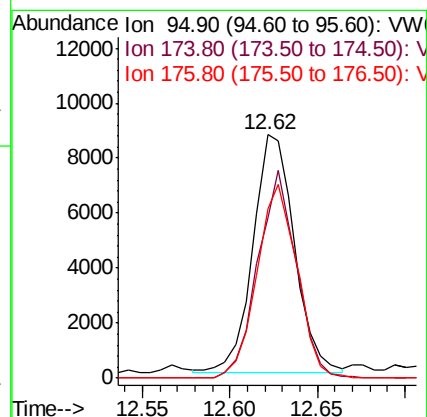
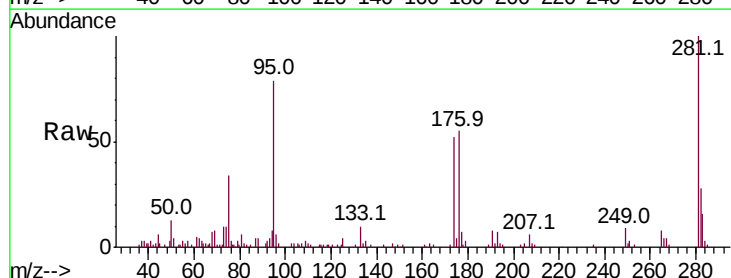
Tgt Ion: 95 Resp: 14293

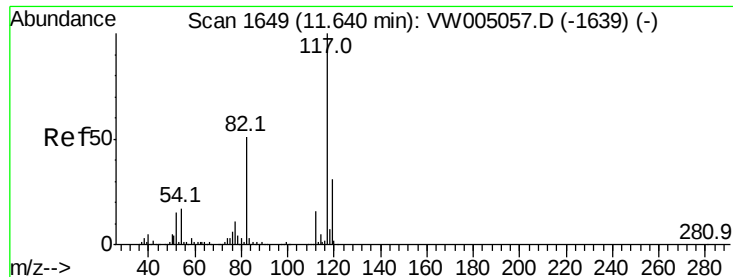
Ion Ratio Lower Upper

95 100

174 80.8 0.0 173.4

176 78.6 0.0 167.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VW005169.D

Acq: 06 Sep 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

ENY-SB-05-1.5-2RE

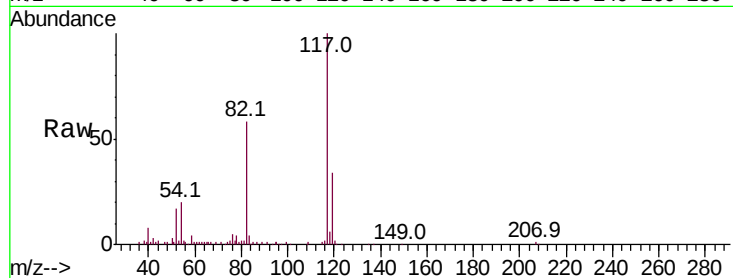
Tot Ion:117 Resp: 44758

Ion Ratio Lower Upper

117 100

82 57.9 40.9 61.3

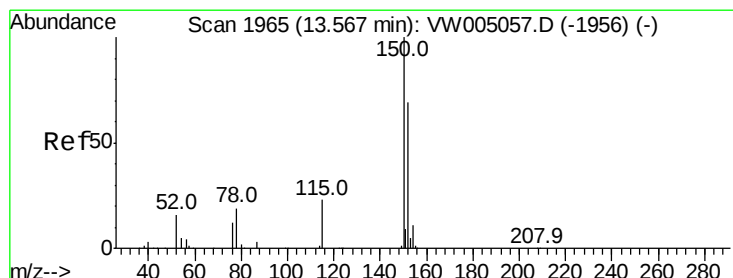
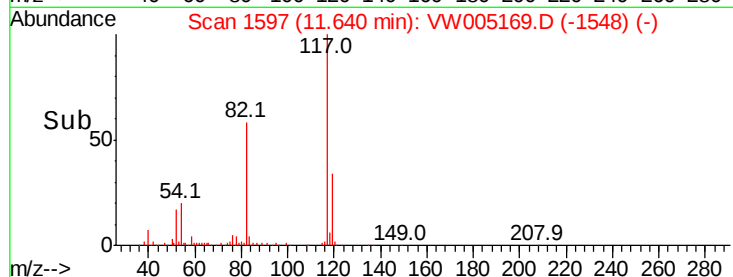
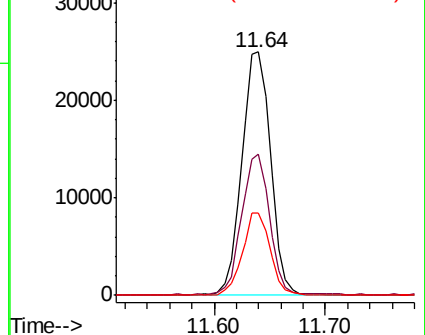
119 33.8 24.9 37.3



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005169.D

Acq: 06 Sep 2018 17:33

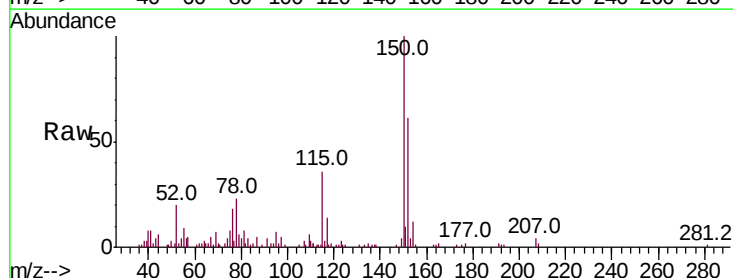
Tgt Ion:152 Resp: 9553

Ion Ratio Lower Upper

152 100

115 59.2 27.8 83.4

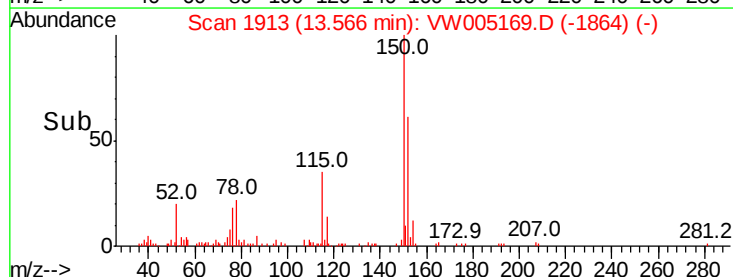
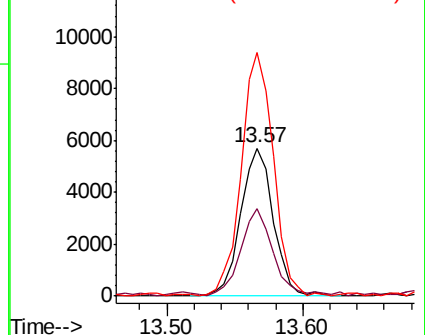
150 161.7 0.0 351.4

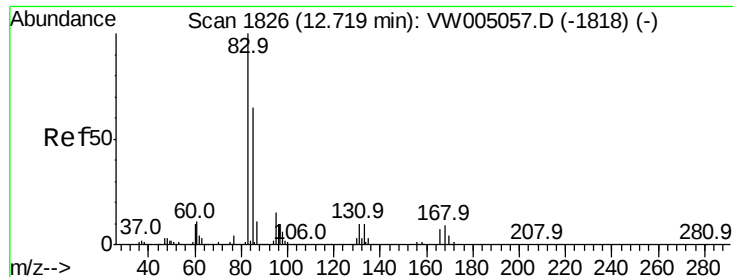


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: 1.414 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005169.D

Acq: 06 Sep 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

ENY-SB-05-1.5-2RE

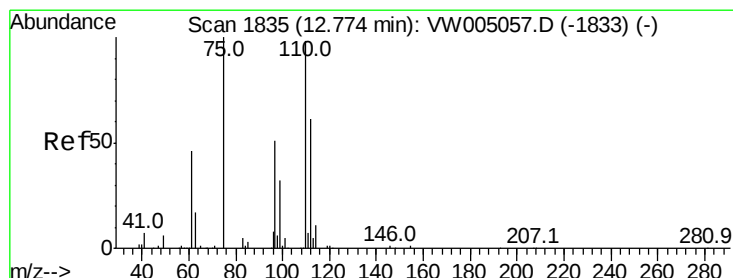
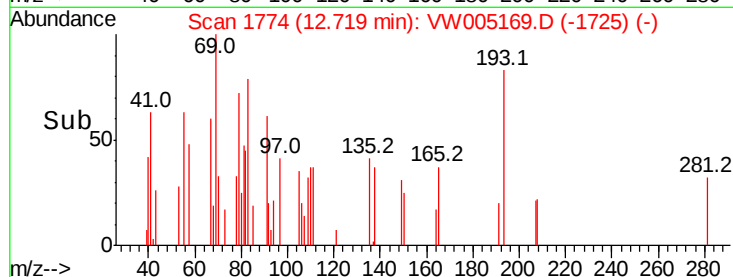
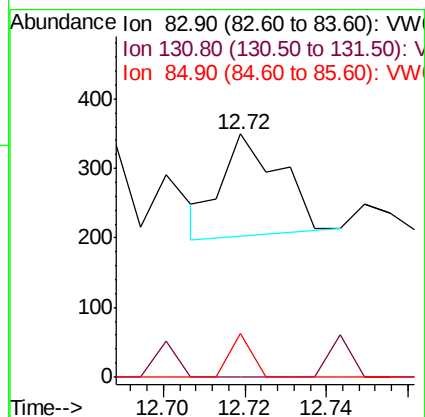
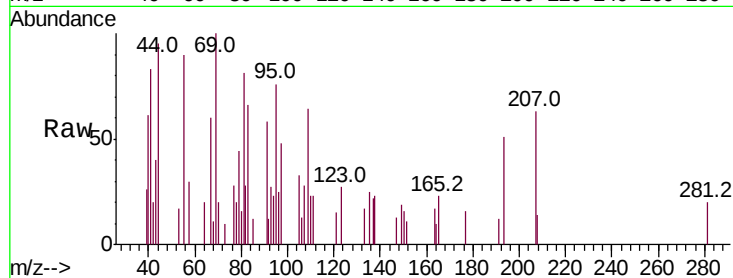
Tot Ion: 83 Resp: 145

Ion Ratio Lower Upper

83 100

131 13.1 5.5 16.4

85 15.9 32.5 97.4#



#76

1,2,3-Trichloropropane

Concen: 3.682 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. -0.02 min

Lab File: VW005169.D

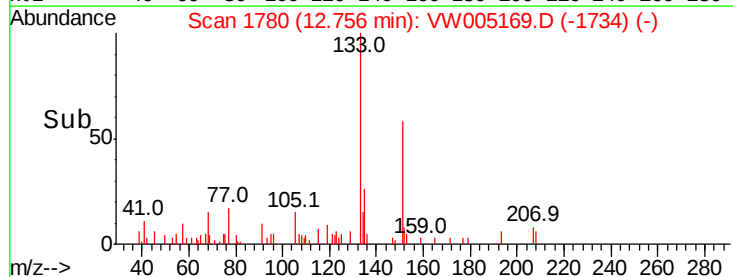
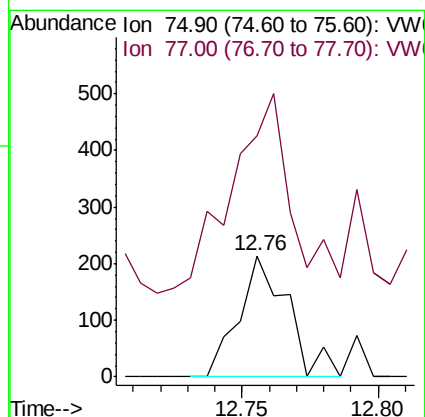
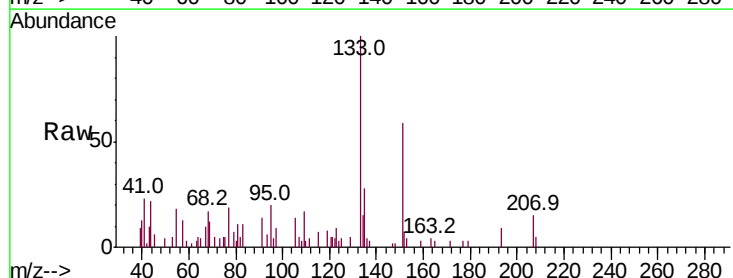
Acq: 06 Sep 2018 17:33

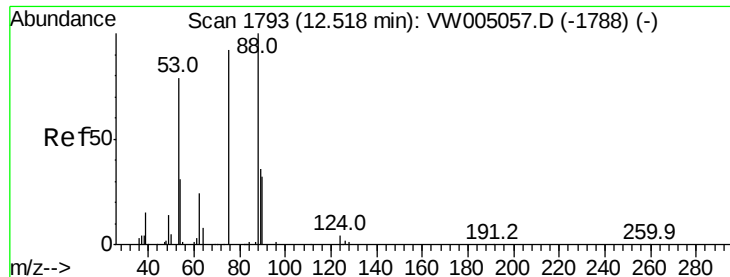
Tgt Ion: 75 Resp: 264

Ion Ratio Lower Upper

75 100

77 189.0 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 232.375 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005169.D

Acq: 06 Sep 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

ENY-SB-05-1.5-2RE

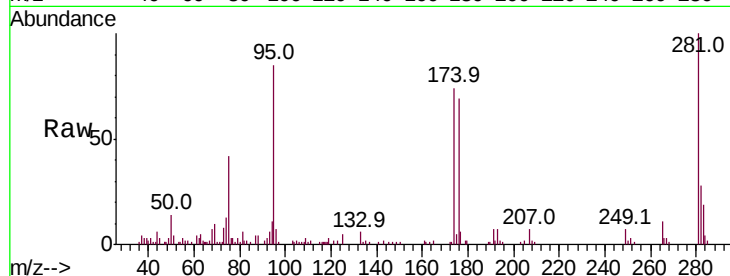
Tot Ion: 75 Resp: 6923

Ion Ratio Lower Upper

75 100

53 3.7 69.8 104.8#

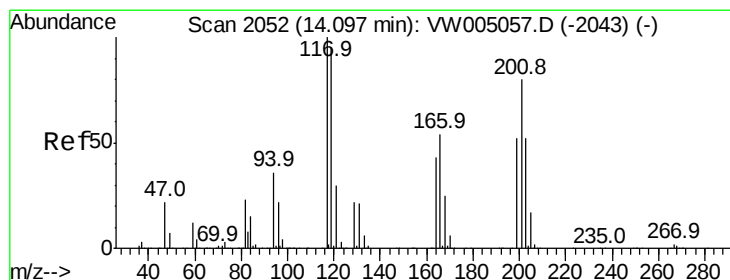
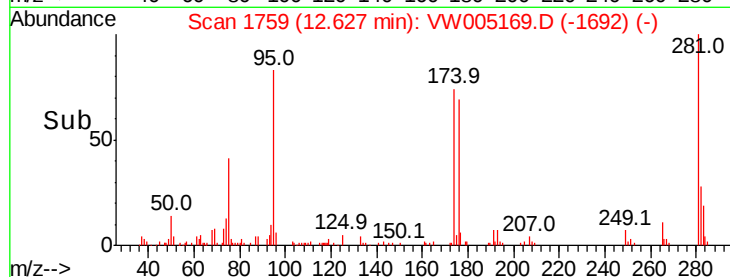
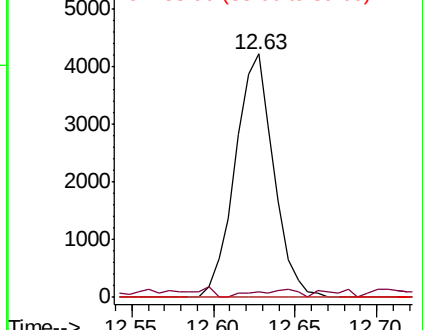
89 0.0 36.0 54.0#



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



#90

Hexachloroethane

Concen: 1.579 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW005169.D

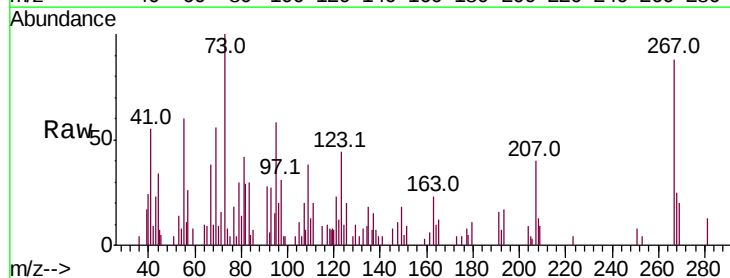
Acq: 06 Sep 2018 17:33

Tgt Ion: 117 Resp: 166

Ion Ratio Lower Upper

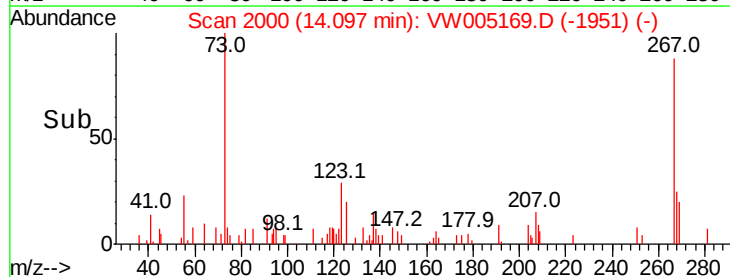
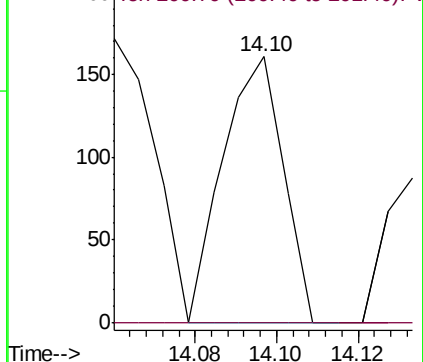
117 100

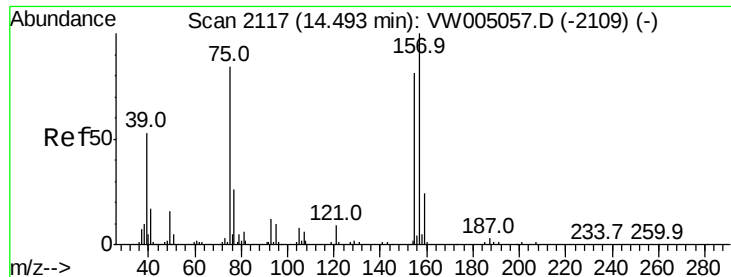
201 0.0 44.6 133.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 6.428 ug/l

RT: 14.38 min Scan# 2046

Delta R.T. -0.12 min

Lab File: VW005169.D

Acq: 06 Sep 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

ENY-SB-05-1.5-2RE

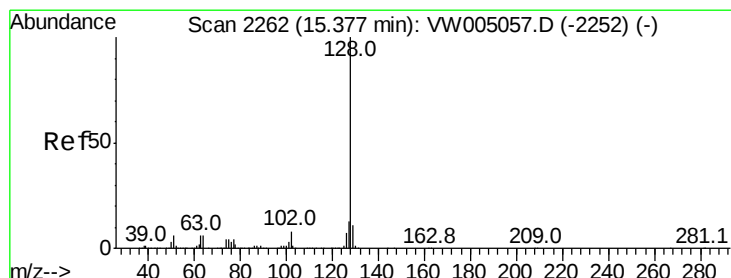
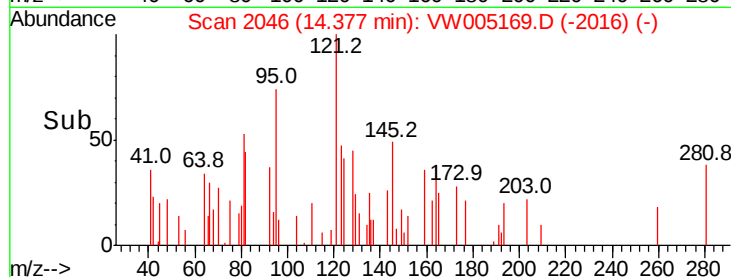
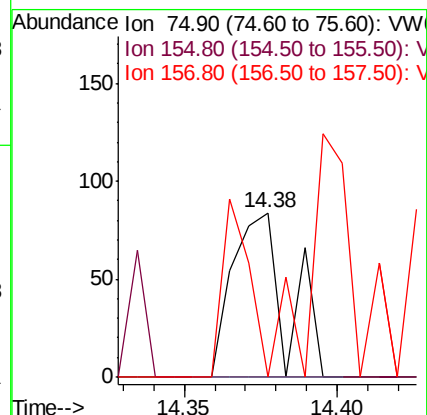
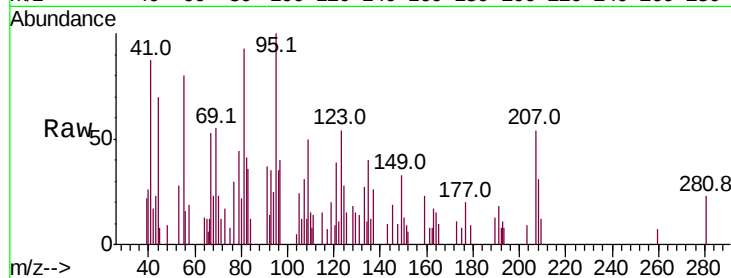
Tot Ion: 75 Resp: 103

Ion Ratio Lower Upper

75 100

155 0.0 46.0 137.8#

157 53.4 58.6 175.7#



#95

Naphthalene

Concen: 5.396 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW005169.D

Acq: 06 Sep 2018 17:33

Tgt Ion: 128 Resp: 530

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 40.4 8.7 13.1#

