

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090118\
 Data File : VW005072.D
 Acq On : 01 Sep 2018 08:16
 Operator : SY/AP
 Sample : J4654-04RE
 Misc : 3.05G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ENY-SB-04-1.5-2RE

Quant Time: Sep 03 23:54:07 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	223818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	280556	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	154109	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	18492	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	132305	71.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.62%	
35) Dibromofluoromethane	7.89	113	134215	82.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	165.56%	
50) Toluene-d8	10.33	98	254384	34.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.10%	
62) 4-Bromofluorobenzene	12.62	95	22408	8.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.02%	

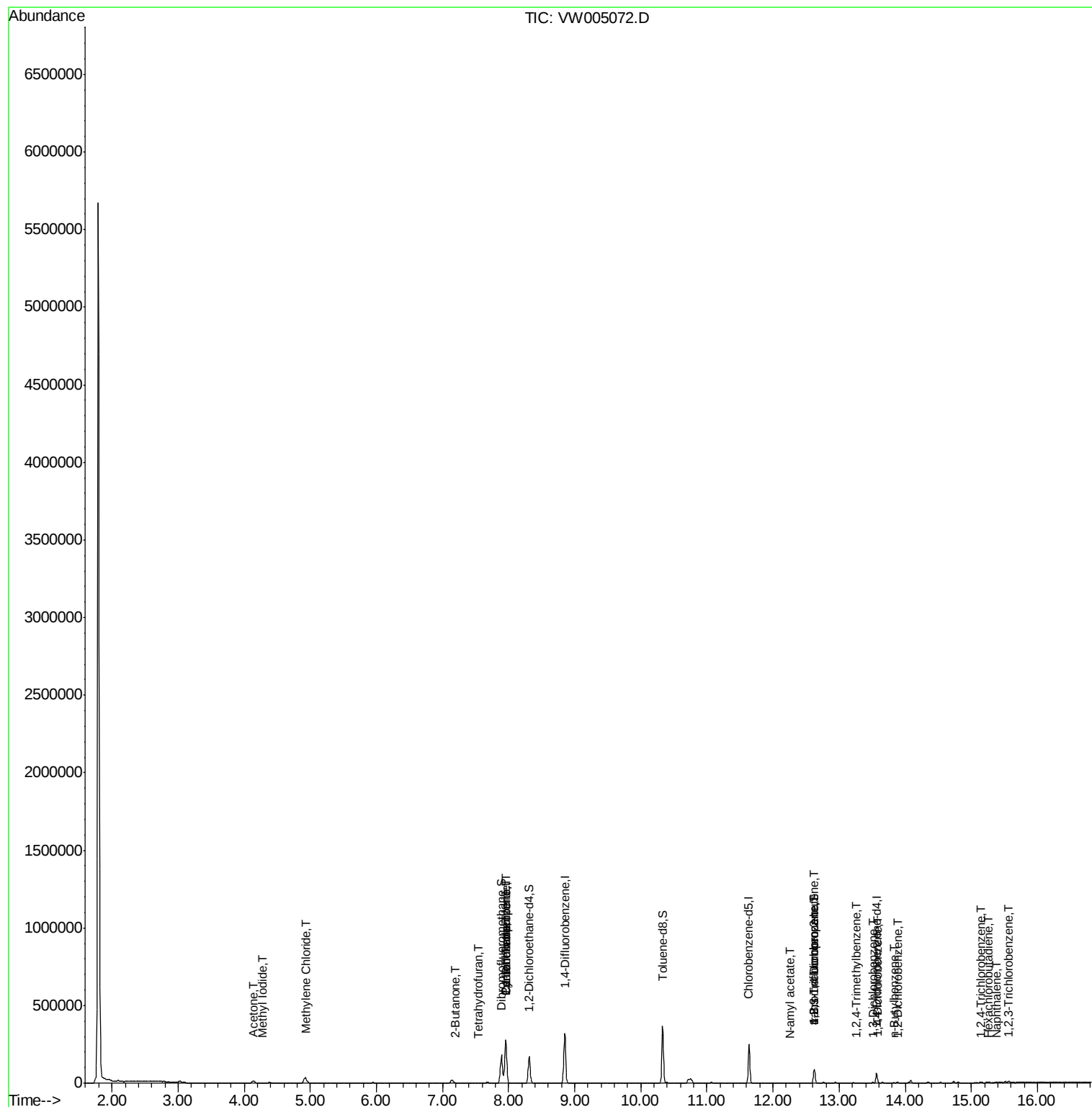
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.79	94	772	Below Cal		93
10) Methyl Iodide	4.28	142	961	4.121	ug/l #	64
11) Tert butyl alcohol	5.18	59	326	Below Cal	#	72
16) Acetone	4.14	43	22461	60.365	ug/l	96
20) Methylene Chloride	4.92	84	28319	7.996	ug/l	94
25) 2-Butanone	7.20	43	967	1.498	ug/l	90
29) Tetrahydrofuran	7.54	42	455	1.380	ug/l #	36
31) Cyclohexane	7.96	56	3897	1.069	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	15045	5.631	ug/l #	48
38) Carbon Tetrachloride	7.96	117	19923	7.842	ug/l #	16
74) N-amyl acetate	12.25	43	258	1.149	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	10522	75.804	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	10522	182.452	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.26	105	1505	1.311	ug/l	75
87) 1,3-Dichlorobenzene	13.51	146	927	1.405	ug/l	97
88) 1,4-Dichlorobenzene	13.59	146	1044	1.595	ug/l	83
89) n-Butylbenzene	13.83	91	1220	1.075	ug/l	92
91) 1,2-Dichlorobenzene	13.88	146	762	1.325	ug/l	85
93) 1,2,4-Trichlorobenzene	15.14	180	1849	4.794	ug/l	88
94) Hexachlorobutadiene	15.25	225	537	2.239	ug/l	95
95) Naphthalene	15.38	128	2755	7.783	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	1616	4.896	ug/l	94

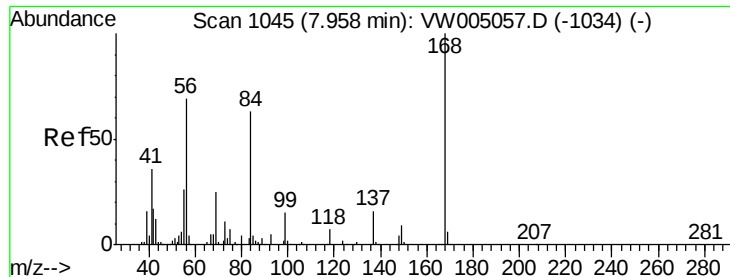
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 03 23:54:07 2018
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Quant Title : SW846 8260
QLast Update : Sat Sep 01 03:35:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW005072.D

Acq: 01 Sep 2018 08:16

Instrument :

MSVOA_W

ClientSampleId :

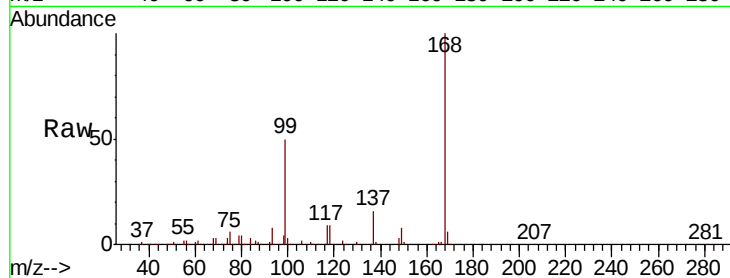
ENY-SB-04-1.5-2RE

Tgt Ion: 168 Resp: 223818

Ion Ratio Lower Upper

168 100

99 49.7 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

100000

80000

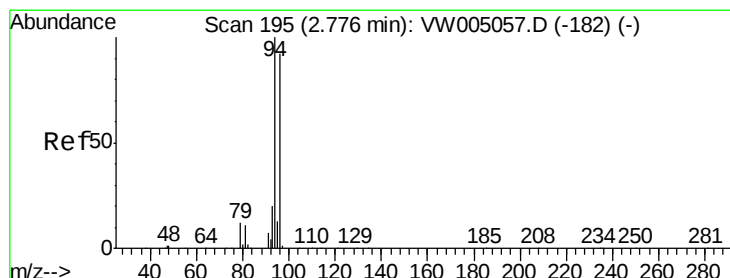
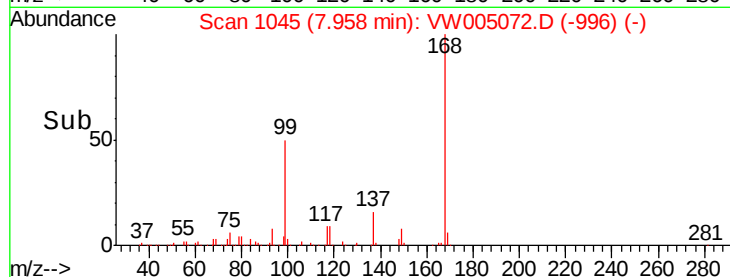
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 197

Delta R.T. 0.01 min

Lab File: VW005072.D

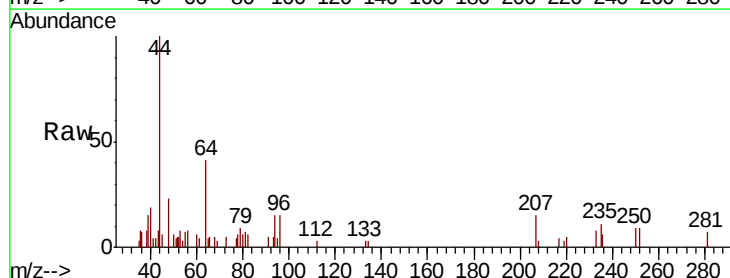
Acq: 01 Sep 2018 08:16

Tgt Ion: 94 Resp: 772

Ion Ratio Lower Upper

94 100

96 97.9 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.79

400

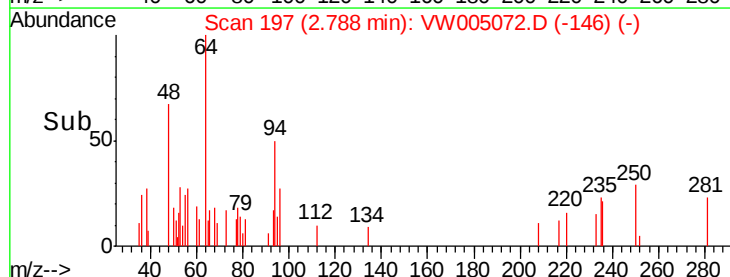
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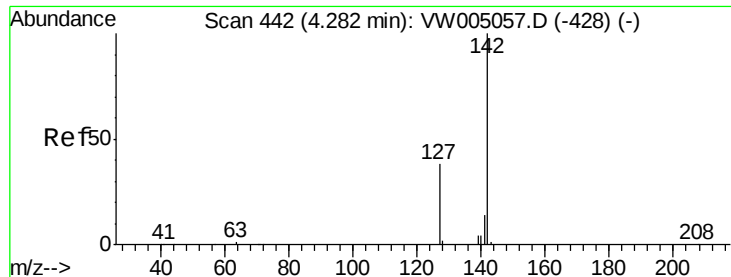
200

100

0

Time-->

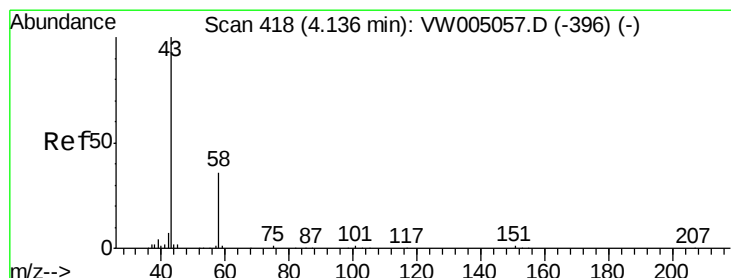
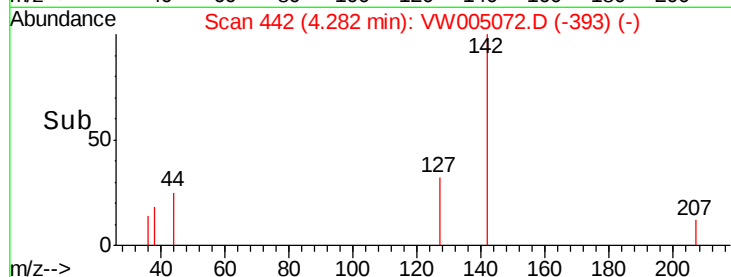
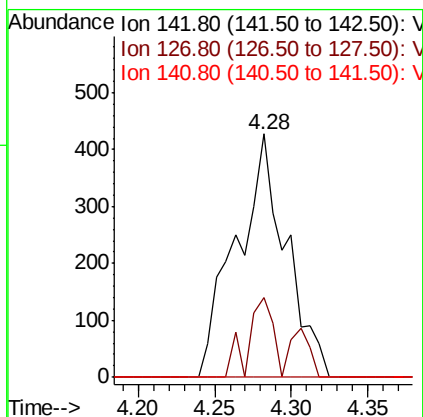
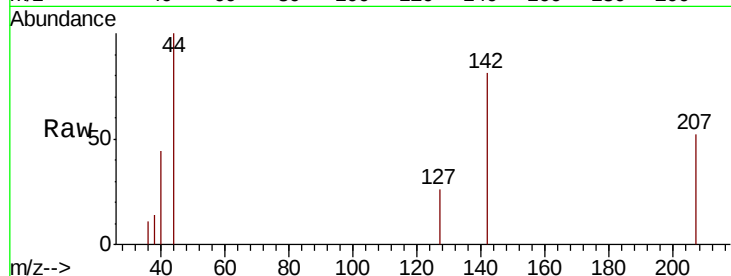




#10
Methyl Iodide
Concen: 4.121 ug/l
RT: 4.28 min Scan# 442
Delta R.T. 0.00 min
Lab File: VW005072.D
Acq: 01 Sep 2018 08:16

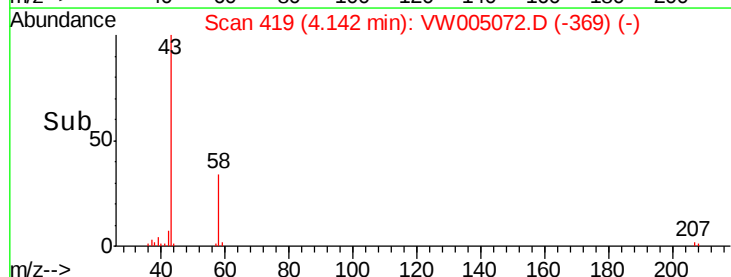
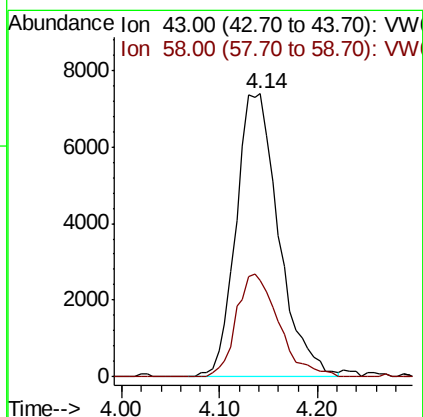
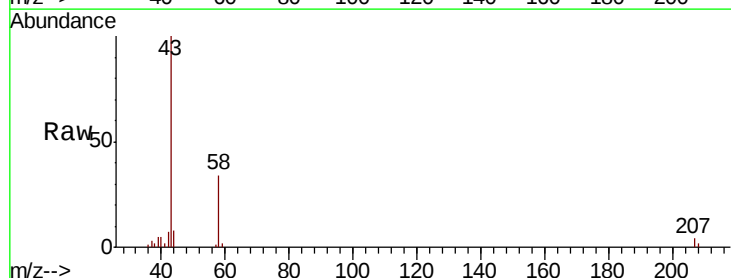
Instrument :
MSVOA_W
ClientSampleId :
ENY-SB-04-1.5-2RE

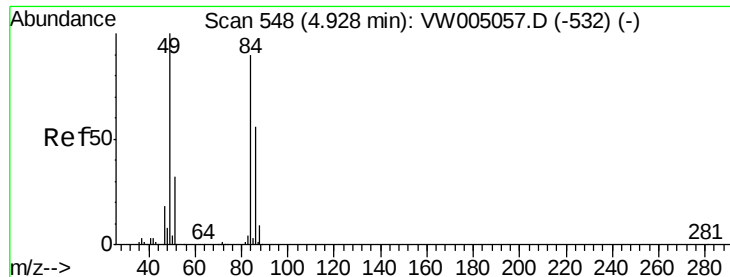
Tgt Ion: 142 Resp: 961
Ion Ratio Lower Upper
142 100
127 16.2 30.8 46.2#
141 0.0 11.6 17.4#



#16
Acetone
Concen: 60.365 ug/l
RT: 4.14 min Scan# 419
Delta R.T. 0.01 min
Lab File: VW005072.D
Acq: 01 Sep 2018 08:16

Tgt Ion: 43 Resp: 22461
Ion Ratio Lower Upper
43 100
58 34.1 29.0 43.6





#20

Methylene Chloride

Concen: 7.996 ug/l

RT: 4.92 min Scan# 547

Delta R.T. -0.01 min

Lab File: VW005072.D

Acq: 01 Sep 2018 08:16

Instrument :

MSVOA_W

ClientSampleId :

ENY-SB-04-1.5-2RE

Tgt Ion: 84 Resp: 28319

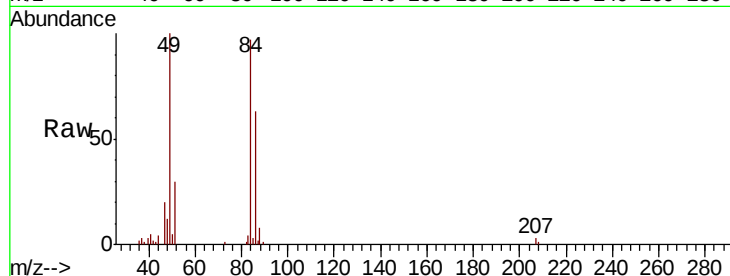
Ion Ratio Lower Upper

84 100

49 103.3 88.7 133.1

51 31.2 28.6 42.8

86 65.3 49.4 74.2

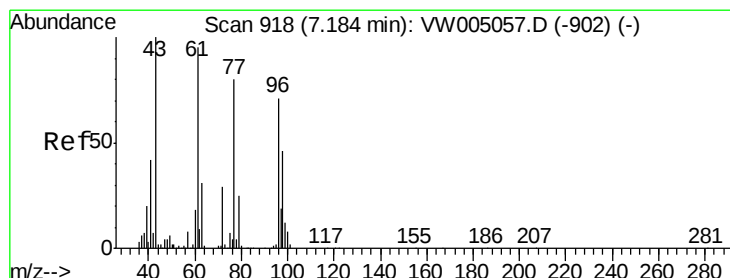
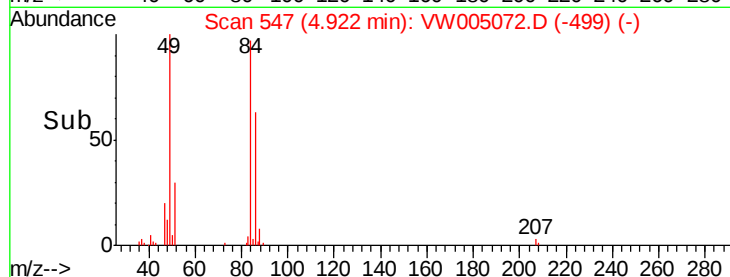
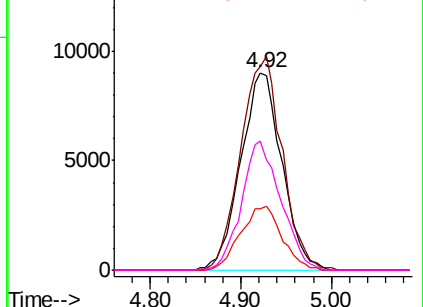


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#25

2-Butanone

Concen: 1.498 ug/l

RT: 7.20 min Scan# 921

Delta R.T. 0.02 min

Lab File: VW005072.D

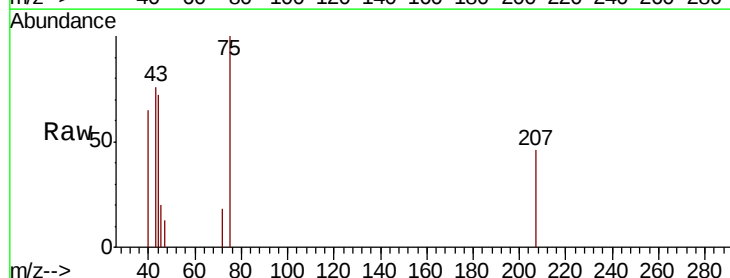
Acq: 01 Sep 2018 08:16

Tgt Ion: 43 Resp: 967

Ion Ratio Lower Upper

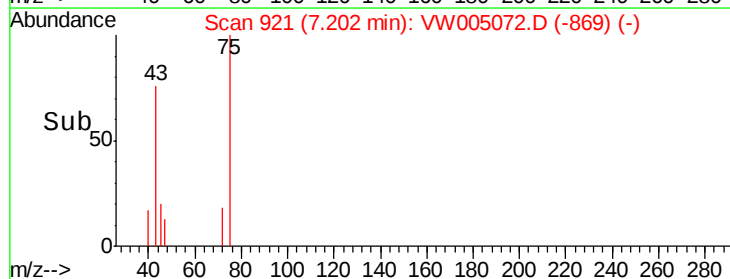
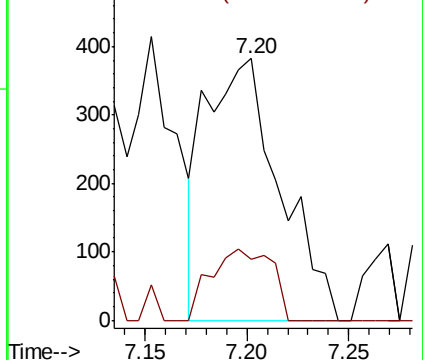
43 100

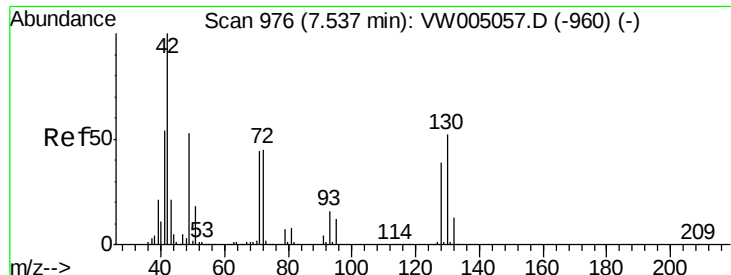
72 23.6 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

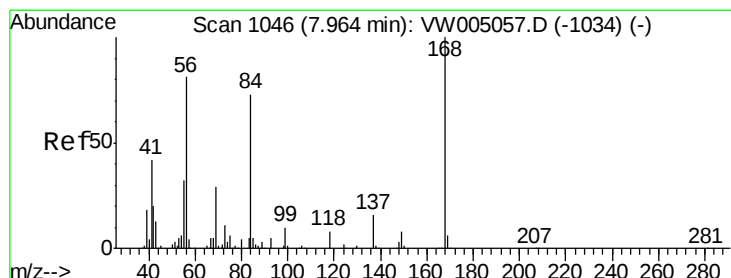
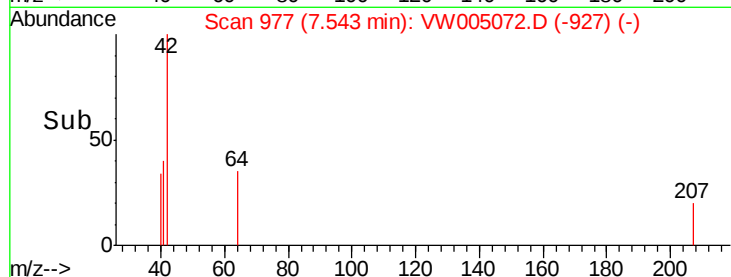
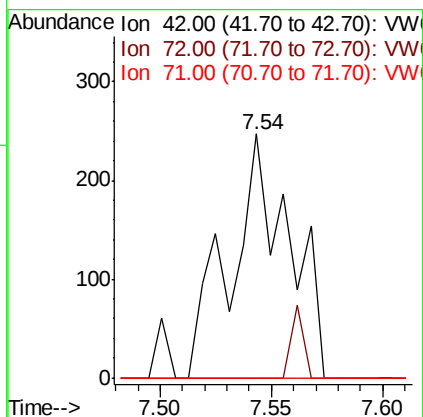
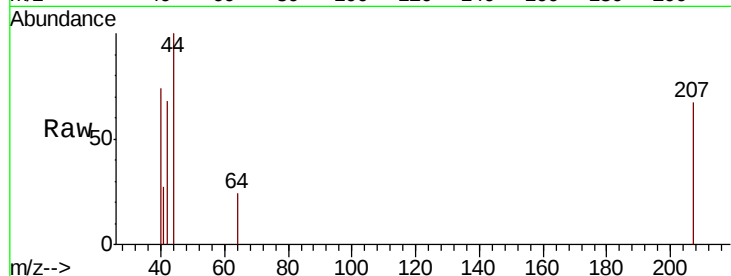




#29
Tetrahydrofuran
Concen: 1.380 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW005072.D
Acq: 01 Sep 2018 08:16

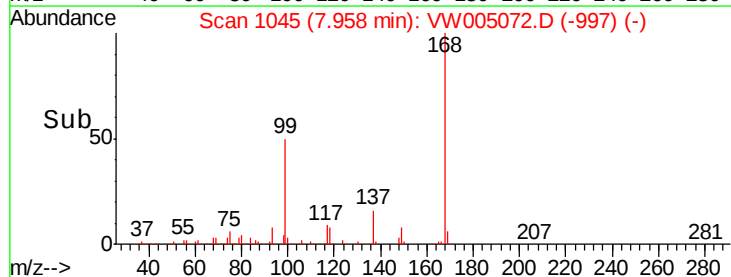
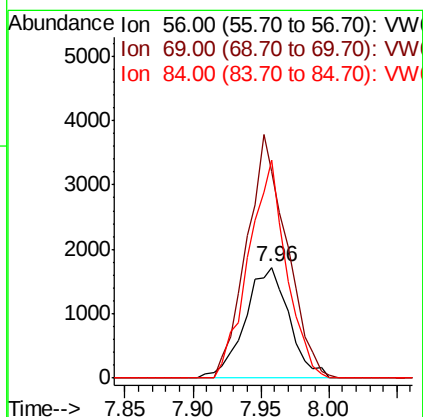
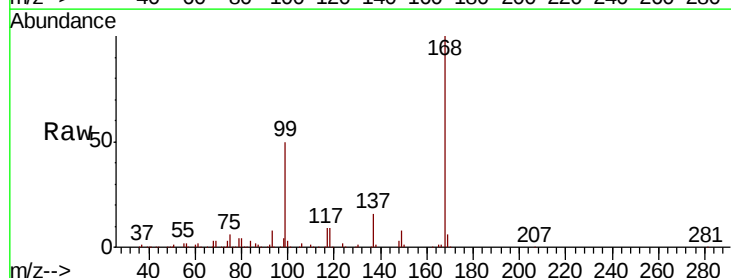
Instrument :
MSVOA_W
ClientSampleId :
ENY-SB-04-1.5-2RE

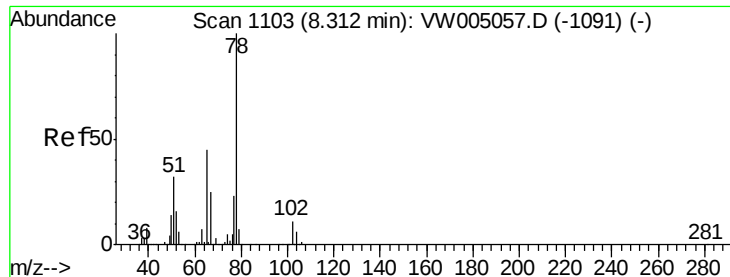
Tgt Ion: 42 Resp: 455
Ion Ratio Lower Upper
42 100
72 5.9 37.0 55.4#
71 0.0 35.0 52.6#



#31
Cyclohexane
Concen: 1.069 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VW005072.D
Acq: 01 Sep 2018 08:16

Tgt Ion: 56 Resp: 3897
Ion Ratio Lower Upper
56 100
69 186.9 28.2 42.2#
84 196.5 71.8 107.8#





#33

1,2-Dichloroethane-d4

Concen: 71.310 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW005072.D

Acq: 01 Sep 2018 08:16

Instrument :

MSVOA_W

ClientSampleId :

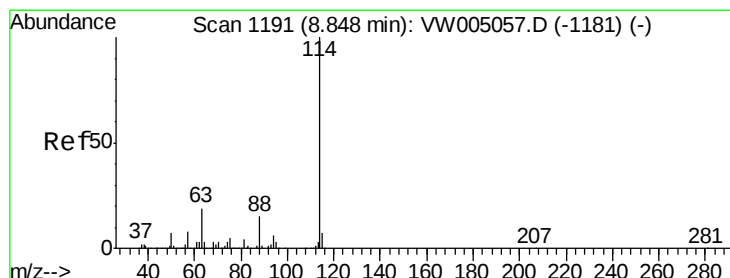
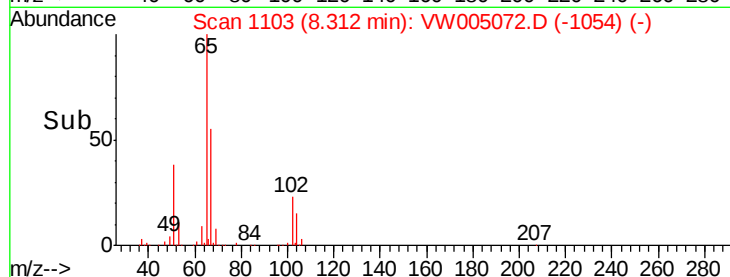
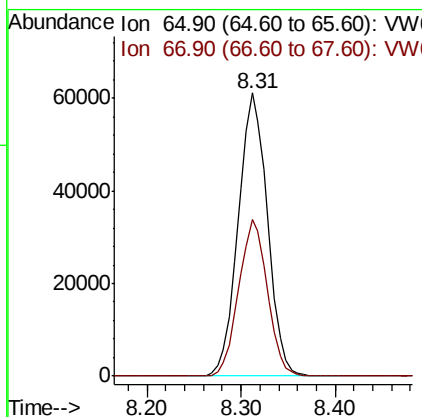
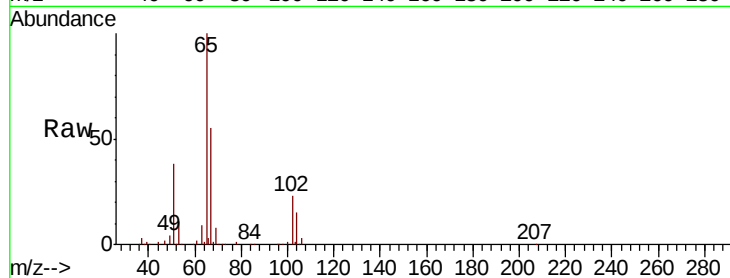
ENY-SB-04-1.5-2RE

Tgt Ion: 65 Resp: 132305

Ion Ratio Lower Upper

65 100

67 54.6 0.0 109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW005072.D

Acq: 01 Sep 2018 08:16

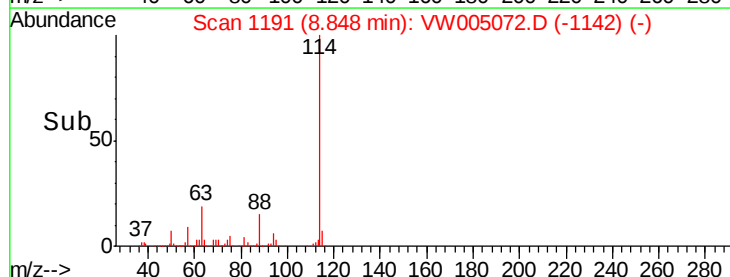
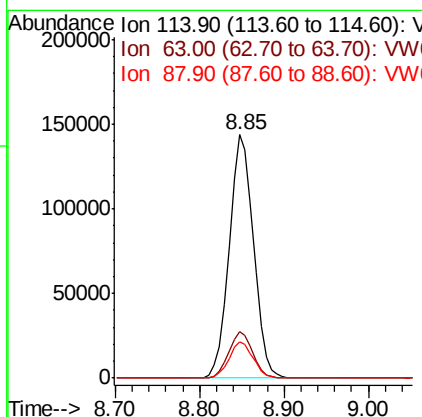
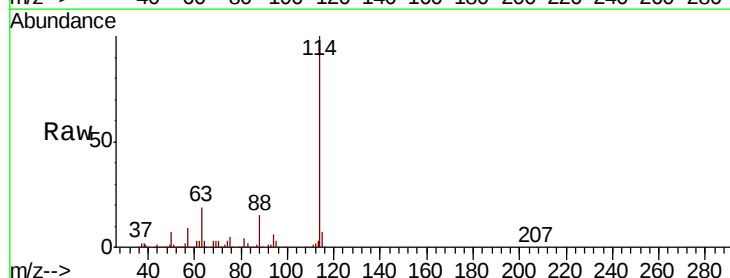
Tgt Ion: 114 Resp: 280556

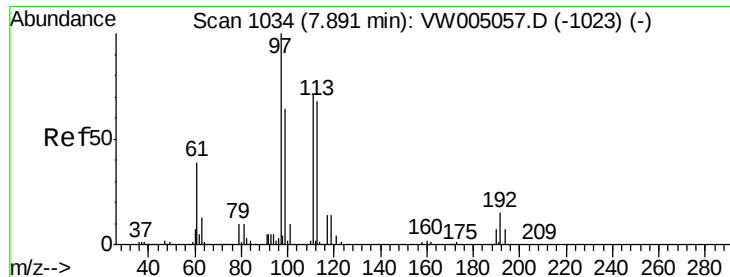
Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.0

88 14.9 0.0 30.2

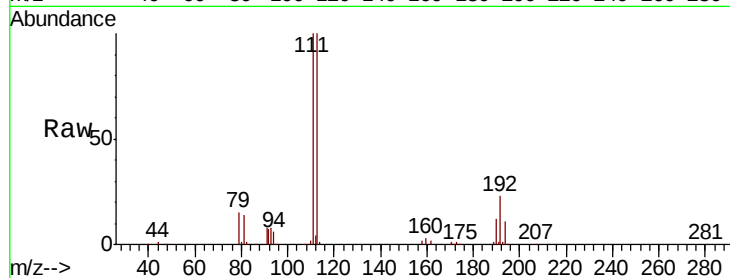




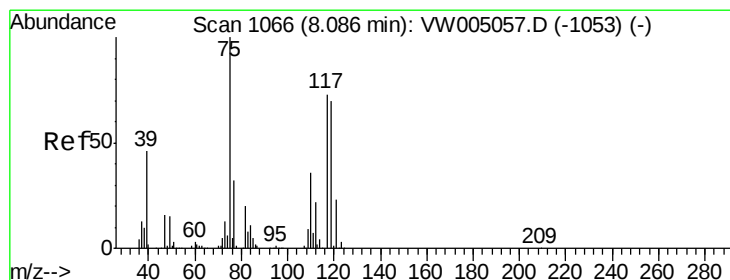
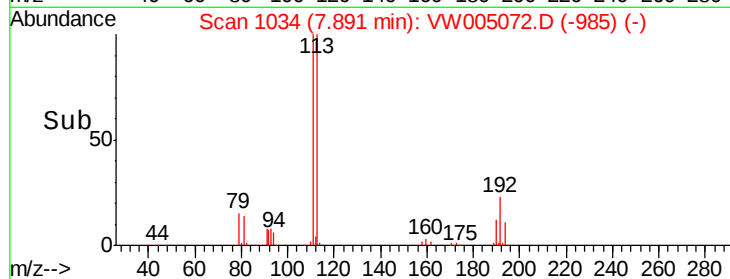
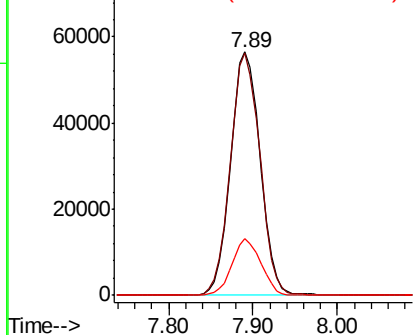
#35
 Dibromofluoromethane
 Concen: 82.783 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: VW005072.D
 Acq: 01 Sep 2018 08:16

Instrument :
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Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.4	82.2	123.2
192	22.5	18.1	27.1

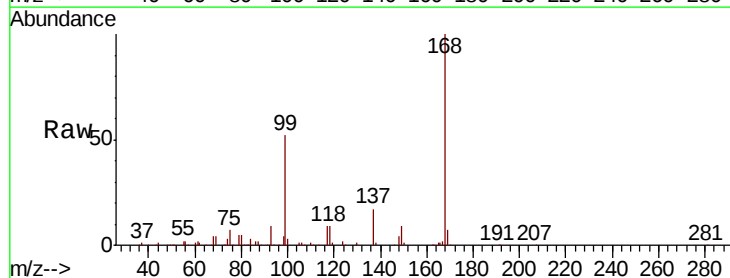


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

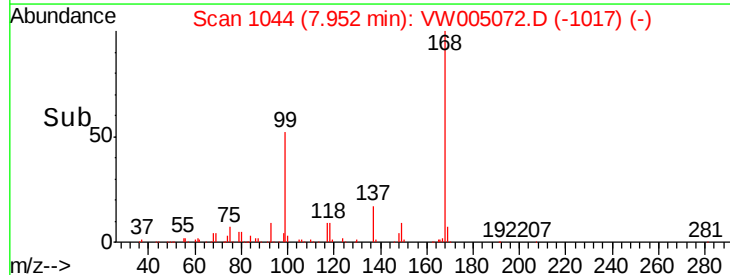
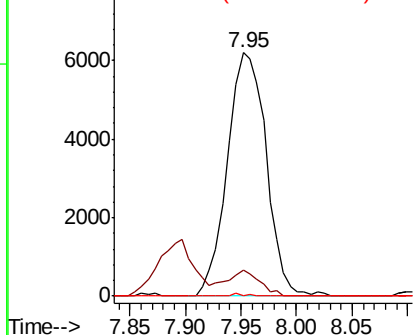


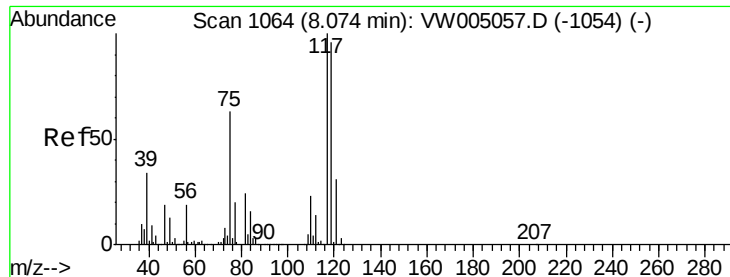
#36
 1,1-Dichloropropene
 Concen: 5.631 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW005072.D
 Acq: 01 Sep 2018 08:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.9	56.7#
77	0.3	25.5	38.3#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.842 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.12 min

Lab File: VW005072.D

Acq: 01 Sep 2018 08:16

Instrument :

MSVOA_W

ClientSampleId :

ENY-SB-04-1.5-2RE

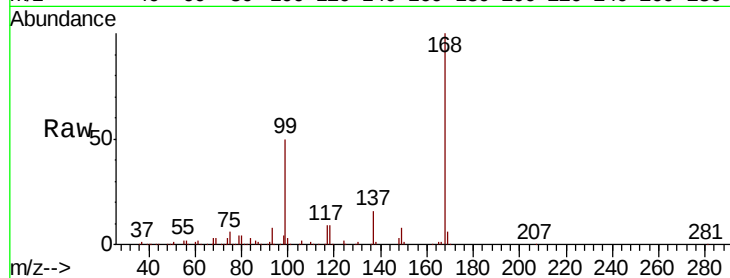
Tgt Ion:117 Resp: 19923

Ion Ratio Lower Upper

117 100

119 5.1 76.6 115.0#

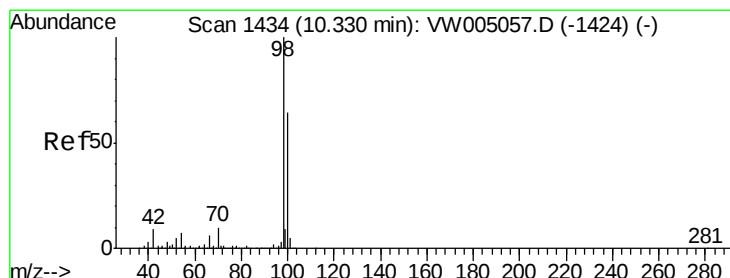
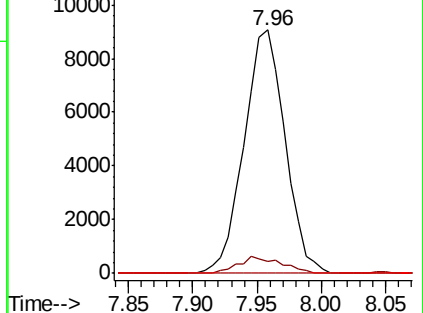
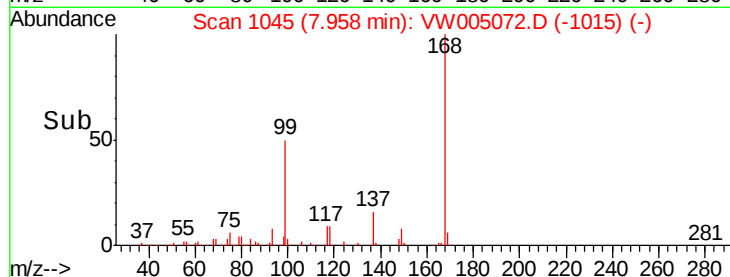
121 0.0 24.8 37.2#



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: 34.051 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW005072.D

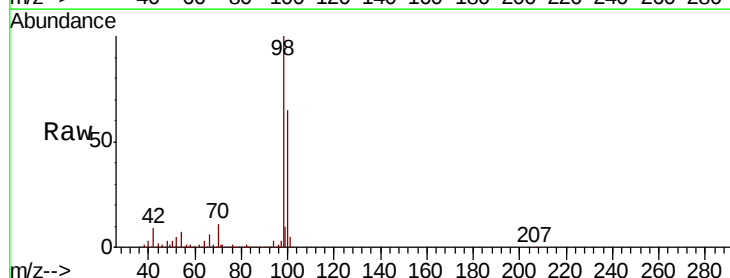
Acq: 01 Sep 2018 08:16

Tgt Ion: 98 Resp: 254384

Ion Ratio Lower Upper

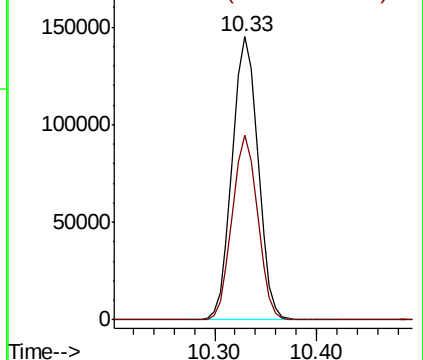
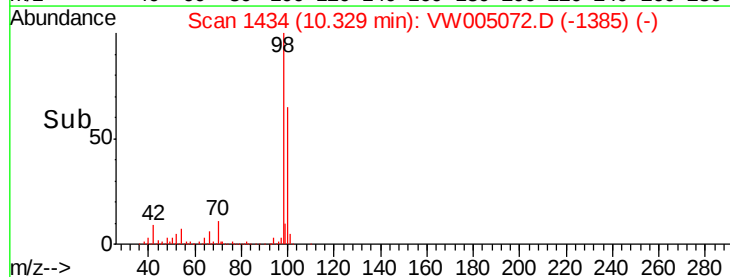
98 100

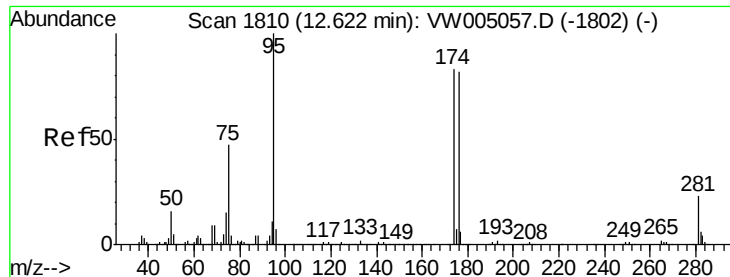
100 64.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

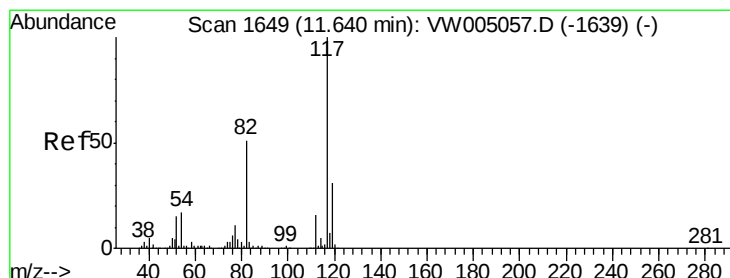
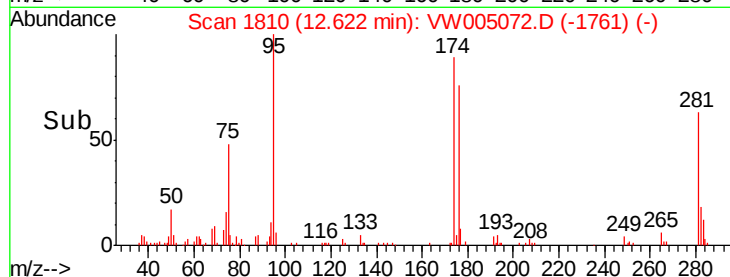
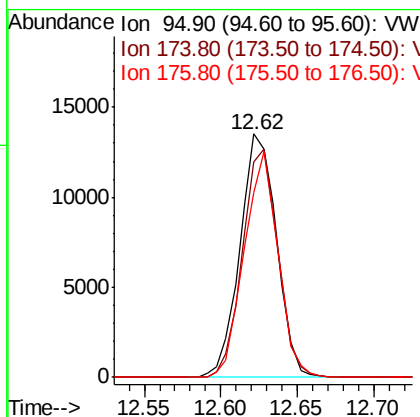
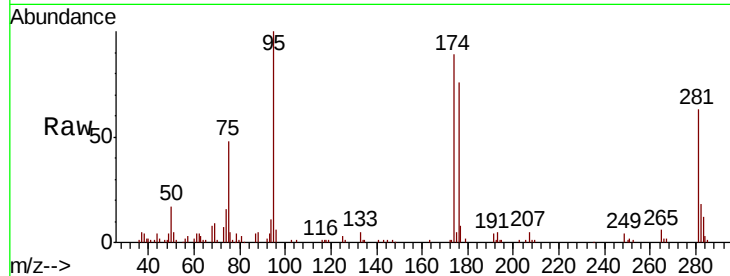




#62
4-Bromofluorobenzene
Concen: 8.507 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW005072.D
Acq: 01 Sep 2018 08:16

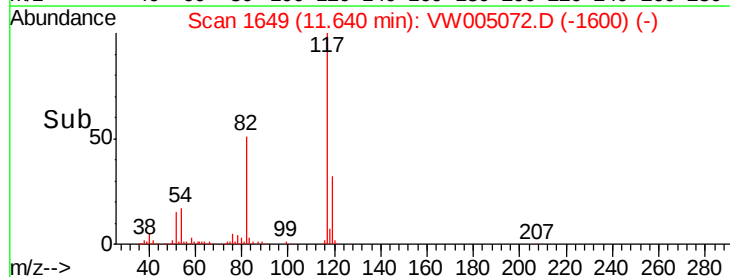
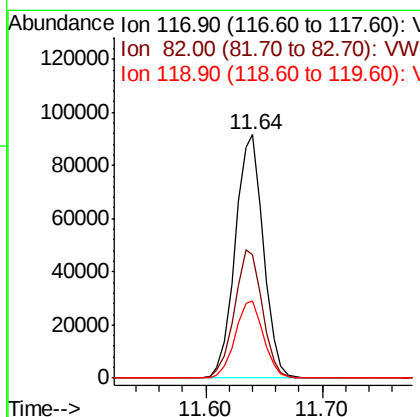
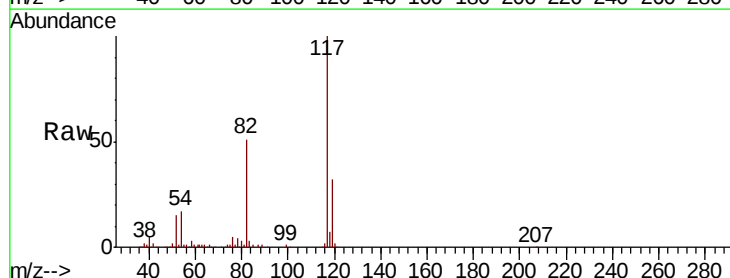
Instrument :
MSVOA_W
ClientSampleId :
ENY-SB-04-1.5-2RE

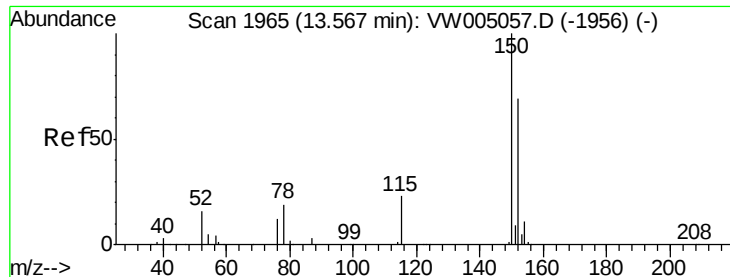
Tgt Ion: 95 Resp: 22408
Ion Ratio Lower Upper
95 100
174 91.1 0.0 173.4
176 85.8 0.0 167.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW005072.D
Acq: 01 Sep 2018 08:16

Tgt Ion: 117 Resp: 154109
Ion Ratio Lower Upper
117 100
82 50.7 40.9 61.3
119 31.7 24.9 37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW005072.D

Acq: 01 Sep 2018 08:16

Instrument :

MSVOA_W

ClientSampleId :

ENY-SB-04-1.5-2RE

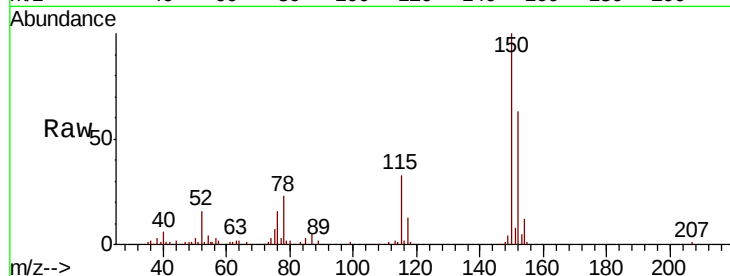
Tgt Ion:152 Resp: 18492

Ion Ratio Lower Upper

152 100

115 55.3 27.8 83.4

150 154.4 0.0 351.4

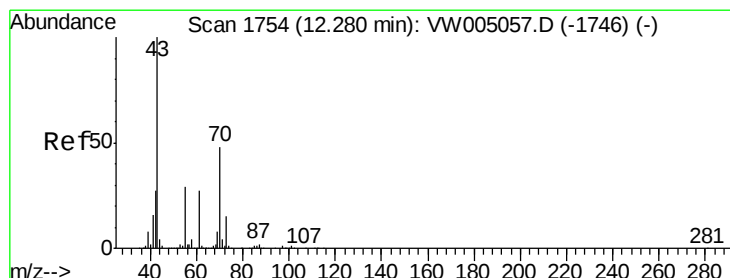
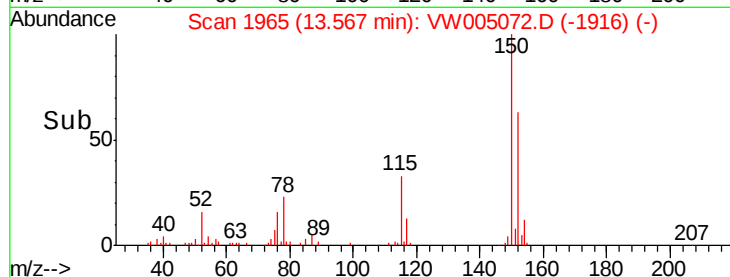
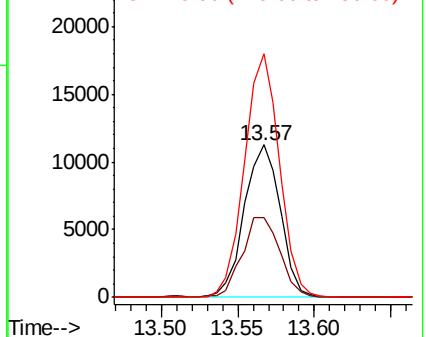


Abundance

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



#74

N-ethyl acetate

Concen: 1.149 ug/l

RT: 12.25 min Scan# 1749

Delta R.T. -0.03 min

Lab File: VW005072.D

Acq: 01 Sep 2018 08:16

Tgt Ion: 43 Resp: 258

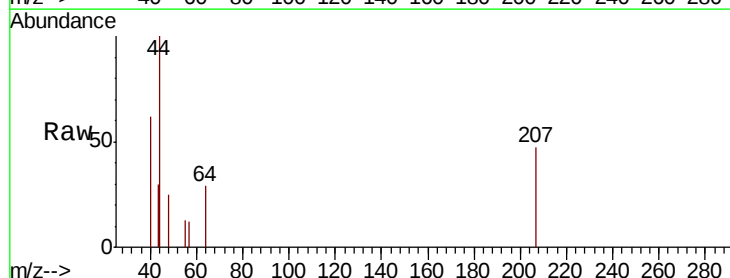
Ion Ratio Lower Upper

43 100

70 0.0 38.2 57.4#

55 18.6 23.2 34.8#

61 0.0 20.6 31.0#



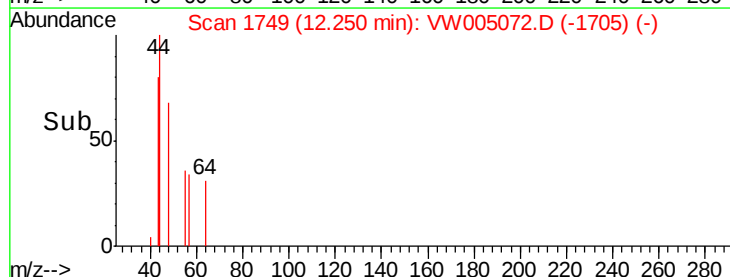
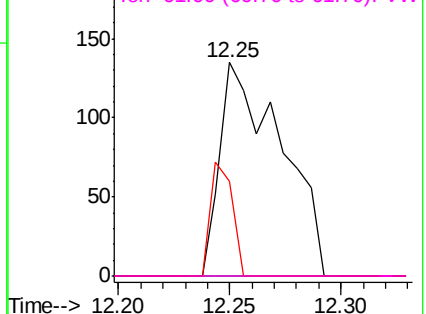
Abundance

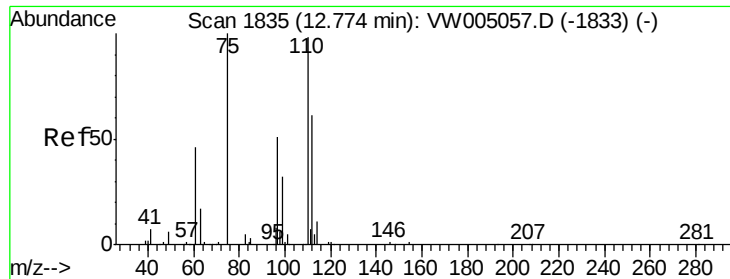
Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#76

1,2,3-Trichloropropane

Concen: 75.804 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW005072.D

Acq: 01 Sep 2018 08:16

Instrument :

MSVOA_W

ClientSampleId :

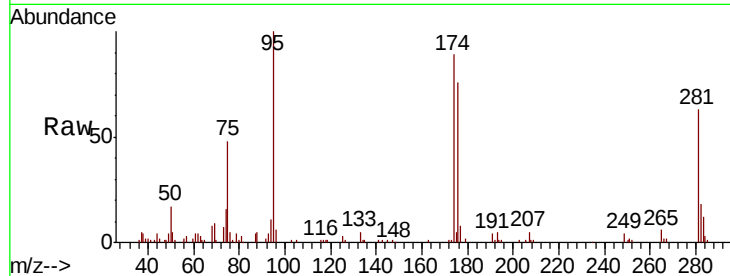
ENY-SB-04-1.5-2RE

Tgt Ion: 75 Resp: 10522

Ion Ratio Lower Upper

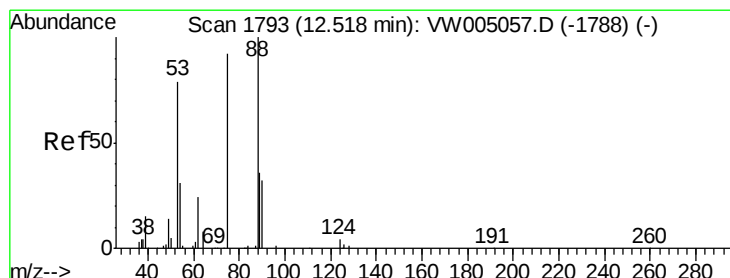
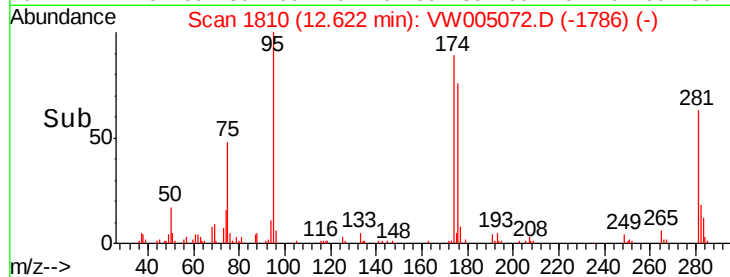
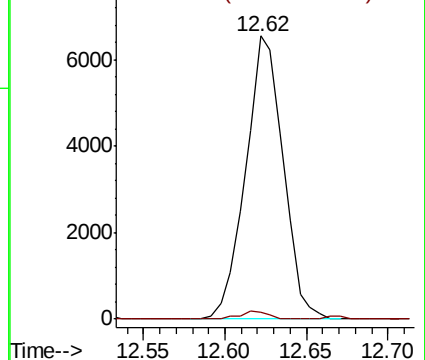
75 100

77 2.2 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: 182.452 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW005072.D

Acq: 01 Sep 2018 08:16

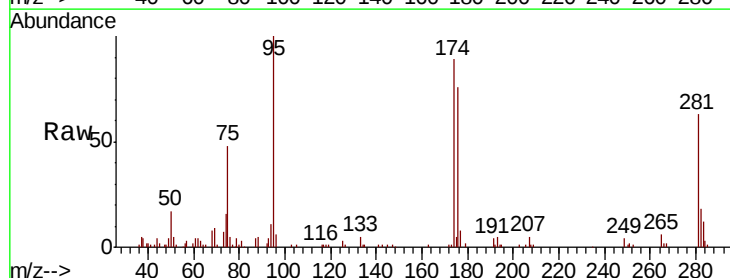
Tgt Ion: 75 Resp: 10522

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

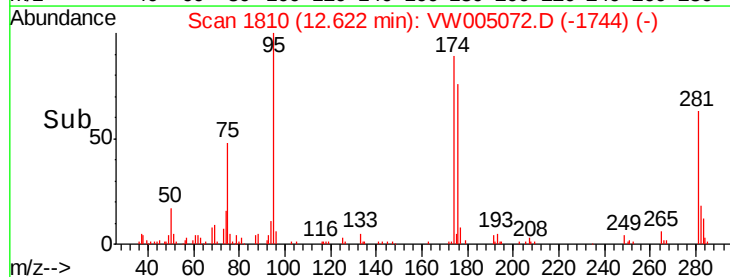
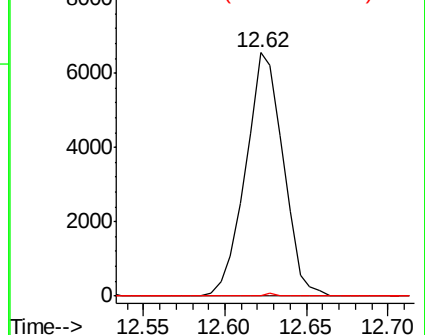
89 0.3 36.0 54.0#

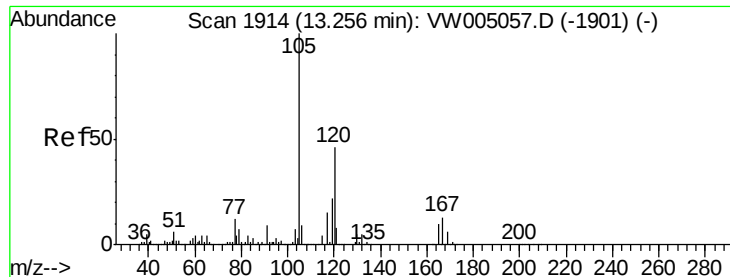


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

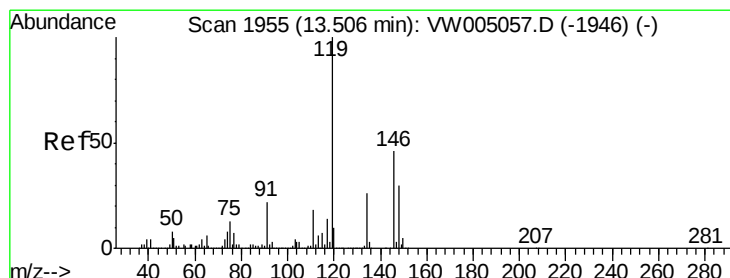
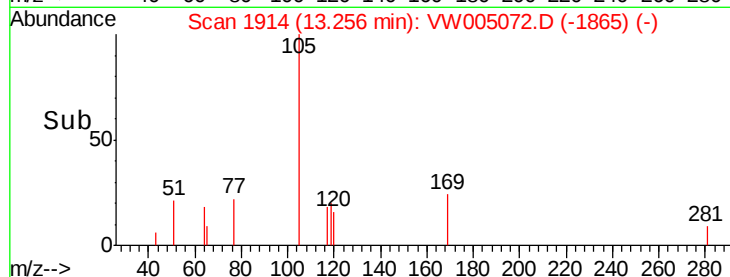
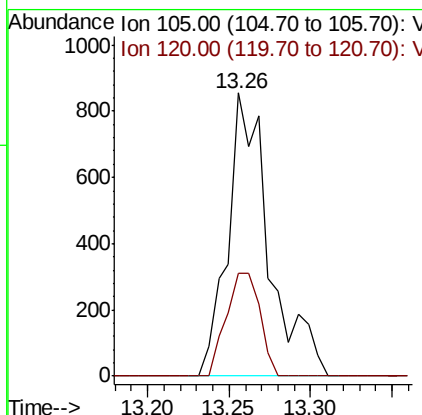
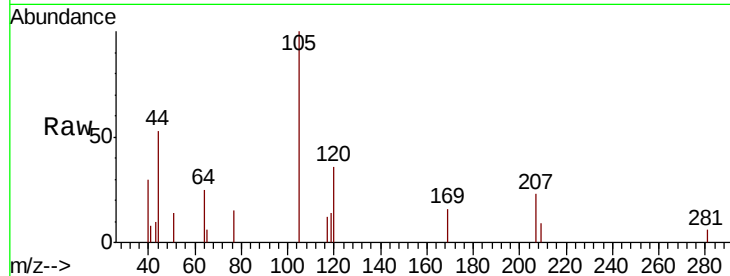




#84
 1,2,4-Trimethylbenzene
 Concen: 1.311 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW005072.D
 Acq: 01 Sep 2018 08:16

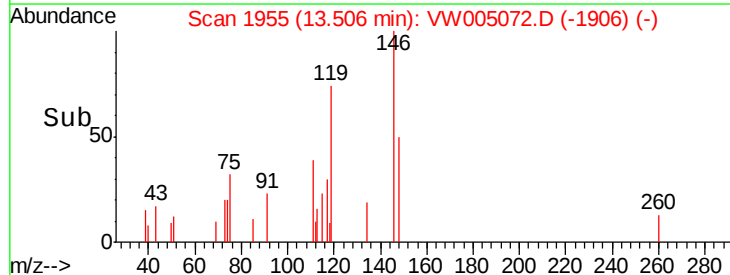
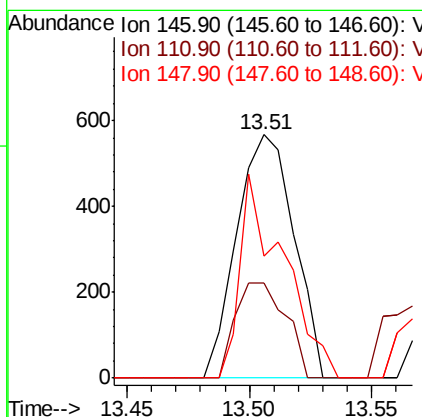
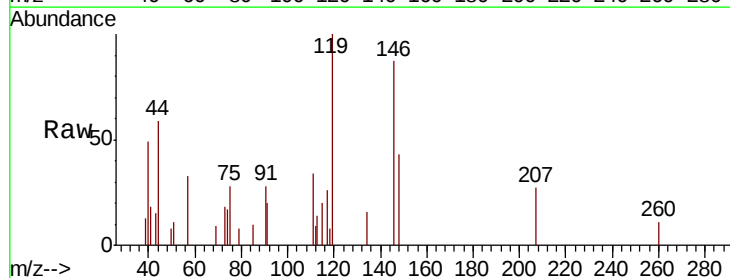
Instrument :
 MSVOA_W
 ClientSampleId :
 ENY-SB-04-1.5-2RE

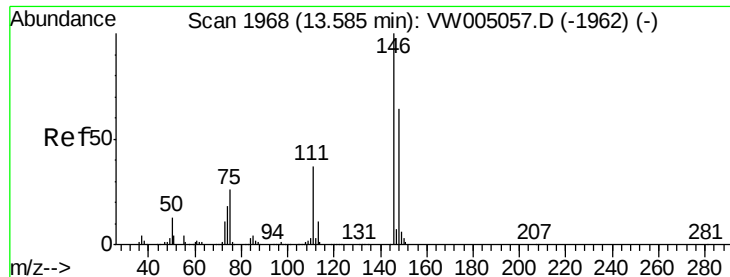
Tgt Ion:105 Resp: 1505
 Ion Ratio Lower Upper
 105 100
 120 29.8 23.1 69.3



#87
 1,3-Dichlorobenzene
 Concen: 1.405 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW005072.D
 Acq: 01 Sep 2018 08:16

Tgt Ion:146 Resp: 927
 Ion Ratio Lower Upper
 146 100
 111 34.3 19.2 57.6
 148 63.3 31.9 95.7





#88

1,4-Dichlorobenzene

Concen: 1.595 ug/l

RT: 13.59 min Scan# 1969

Delta R.T. 0.01 min

Lab File: VW005072.D

Acq: 01 Sep 2018 08:16

Instrument :

MSVOA_W

ClientSampleId :

ENY-SB-04-1.5-2RE

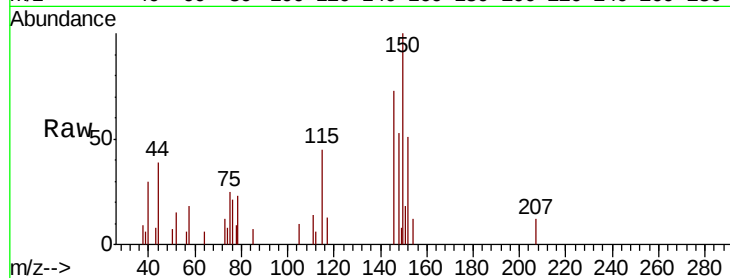
Tgt Ion:146 Resp: 1044

Ion Ratio Lower Upper

146 100

111 48.5 18.6 56.0

148 76.9 32.0 96.0

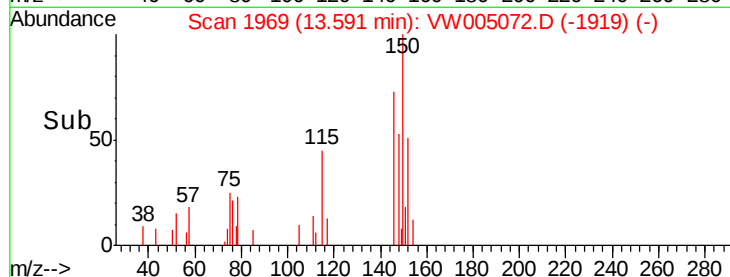


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

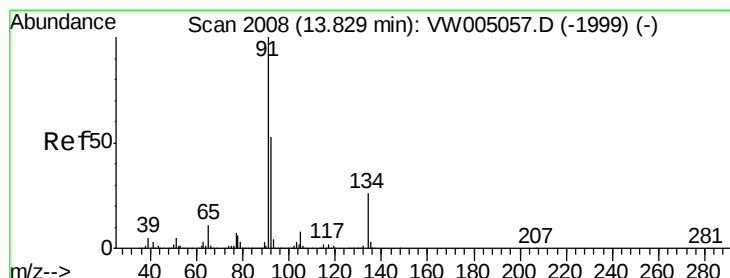
Ion 147.90 (147.60 to 148.60): V

Time-->



Abundance

Time-->



#89

n-Butylbenzene

Concen: 1.075 ug/l

RT: 13.83 min Scan# 2008

Delta R.T. -0.00 min

Lab File: VW005072.D

Acq: 01 Sep 2018 08:16

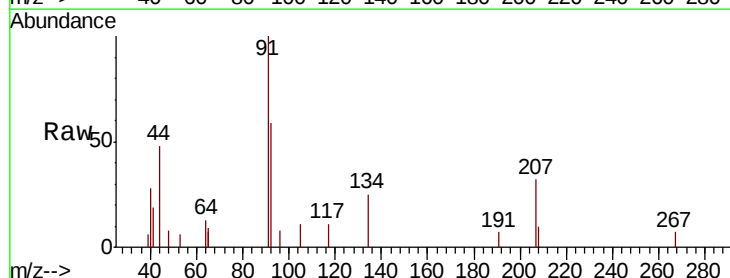
Tgt Ion: 91 Resp: 1220

Ion Ratio Lower Upper

91 100

92 55.7 26.5 79.5

134 34.7 13.5 40.4

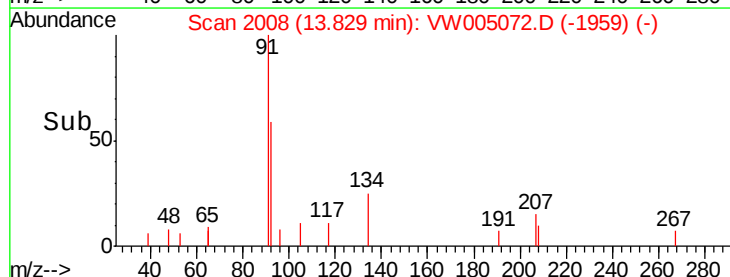


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

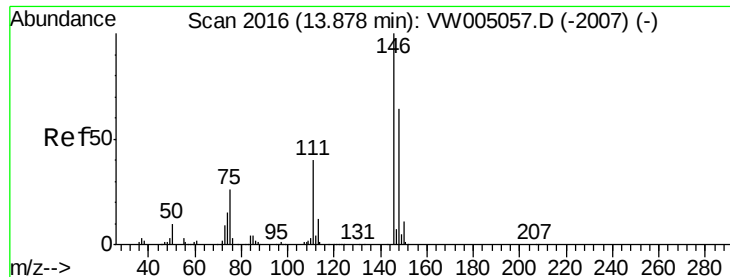
Ion 134.00 (133.70 to 134.70): V

Time-->



Abundance

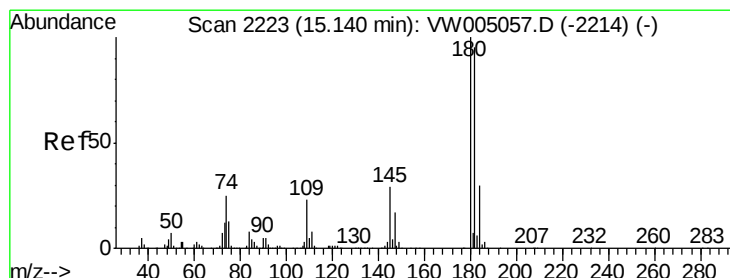
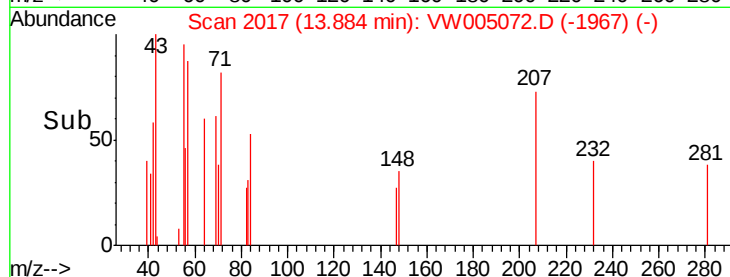
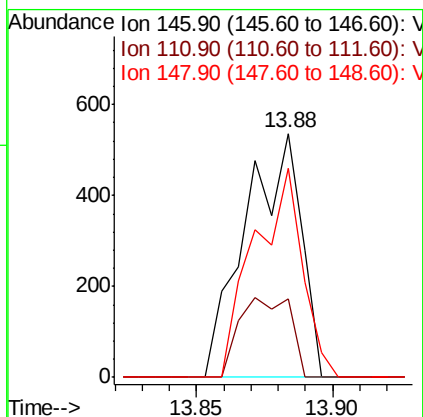
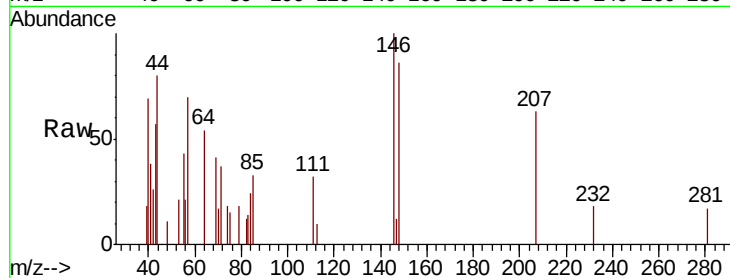
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 1.325 ug/l
 RT: 13.88 min Scan# 2017
 Delta R.T. 0.01 min
 Lab File: VW005072.D
 Acq: 01 Sep 2018 08:16

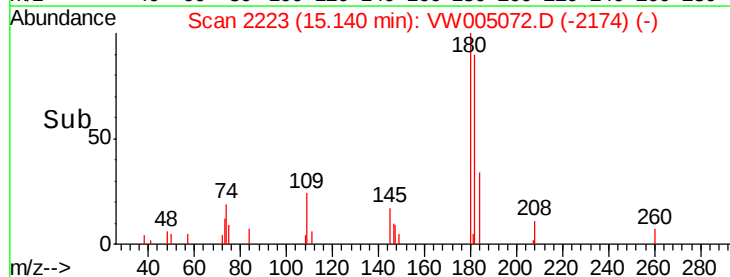
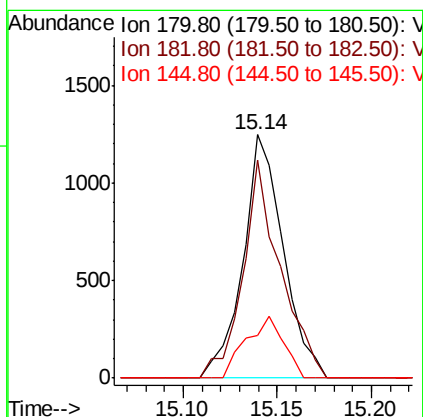
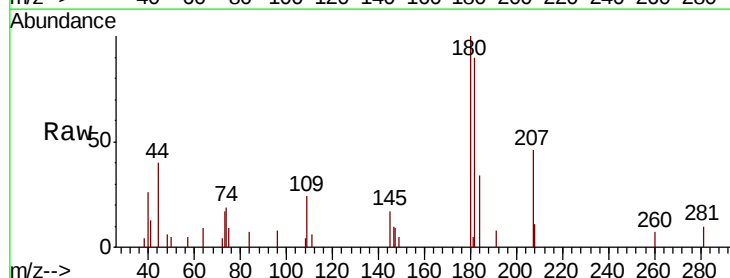
Instrument :
 MSVOA_W
 ClientSampleId :
 ENY-SB-04-1.5-2RE

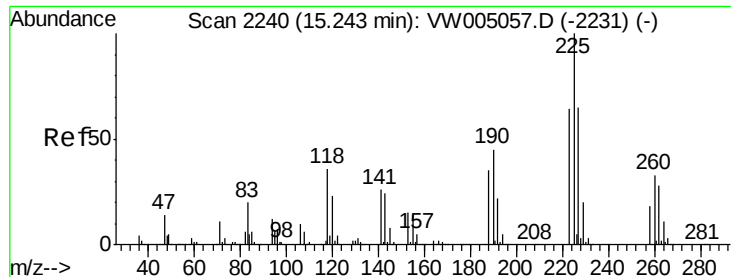
Tgt Ion	Ratio	Lower	Upper
146	100		
111	29.8	19.9	59.7
148	74.5	31.9	95.9



#93
 1,2,4-Trichlorobenzene
 Concen: 4.794 ug/l
 RT: 15.14 min Scan# 2223
 Delta R.T. -0.00 min
 Lab File: VW005072.D
 Acq: 01 Sep 2018 08:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	83.4	47.5	142.6
145	23.6	14.4	43.2





#94

Hexachlorobutadiene

Concen: 2.239 ug/l

RT: 15.25 min Scan# 2241

Delta R.T. 0.01 min

Lab File: VW005072.D

Acq: 01 Sep 2018 08:16

Instrument :

MSVOA_W

ClientSampleId :

ENY-SB-04-1.5-2RE

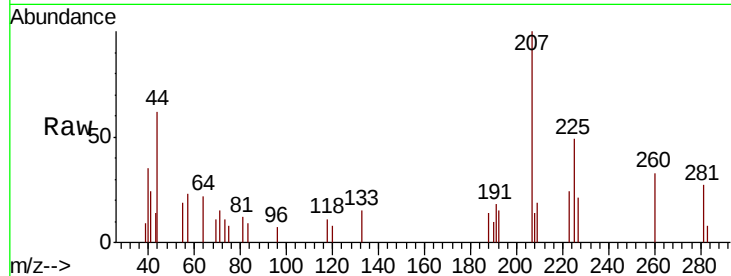
Tgt Ion:225 Resp: 537

Ion Ratio Lower Upper

225 100

223 67.2 31.4 94.3

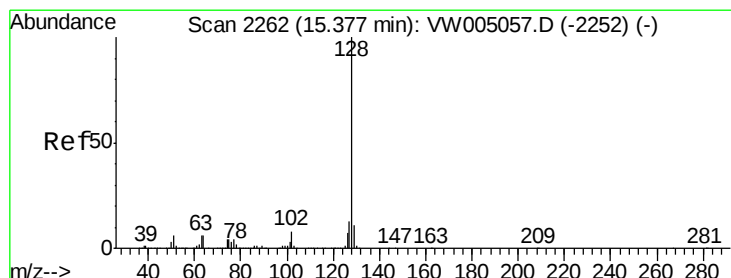
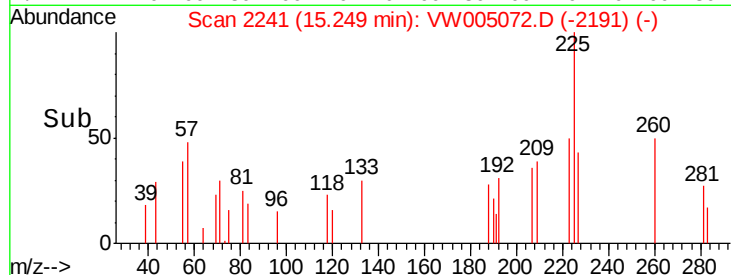
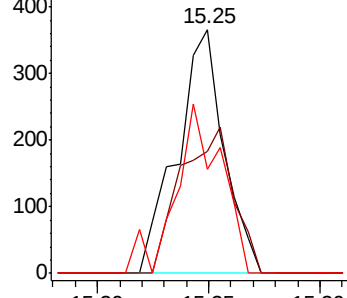
227 67.0 32.0 96.0



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 7.783 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW005072.D

Acq: 01 Sep 2018 08:16

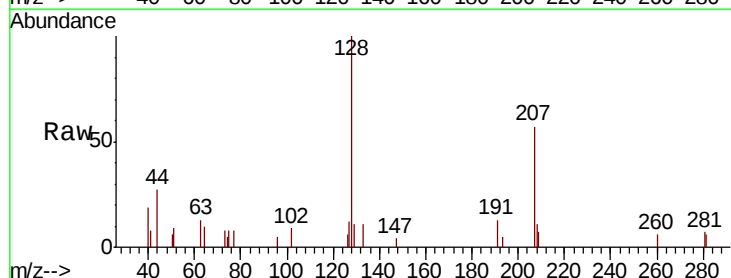
Tgt Ion:128 Resp: 2755

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

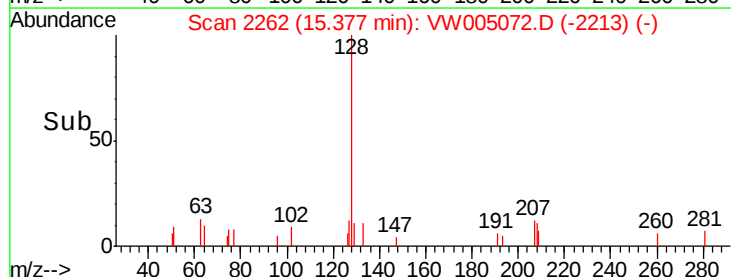
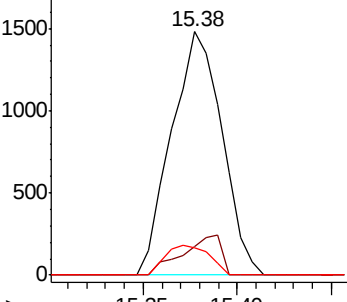
129 10.8 8.7 13.1

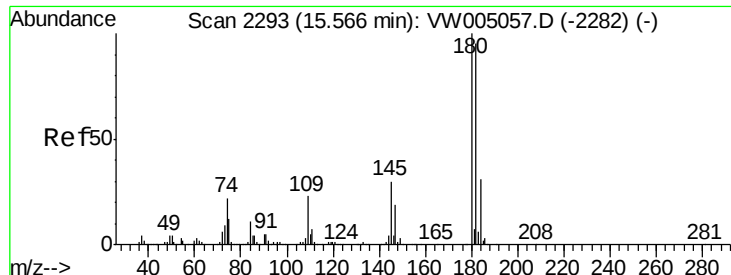


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 4.896 ug/l

RT: 15.57 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VW005072.D

Acq: 01 Sep 2018 08:16

Instrument :

MSVOA_W

ClientSampleId :

ENY-SB-04-1.5-2RE

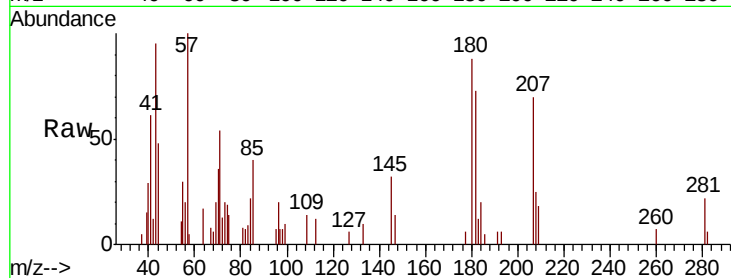
Tgt Ion:180 Resp: 1616

Ion Ratio Lower Upper

180 100

182 88.5 47.4 142.3

145 33.8 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

