

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090118\
 Data File : VW005071.D
 Acq On : 01 Sep 2018 07:50
 Operator : SY/AP
 Sample : J4654-03RE
 Misc : 2.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ENY-SB-02-1.5-2RE

Quant Time: Sep 03 23:53:56 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	297431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	386290	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	280267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	77051	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	118684	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	
35) Dibromofluoromethane	7.89	113	123569	55.35	ug/l	0.00
Spiked Amount			Recovery	=	110.70%	
50) Toluene-d8	10.33	98	322561	31.36	ug/l	0.00
Spiked Amount			Recovery	=	62.72%	
62) 4-Bromofluorobenzene	12.62	95	56953	15.70	ug/l	0.00
Spiked Amount			Recovery	=	31.40%	

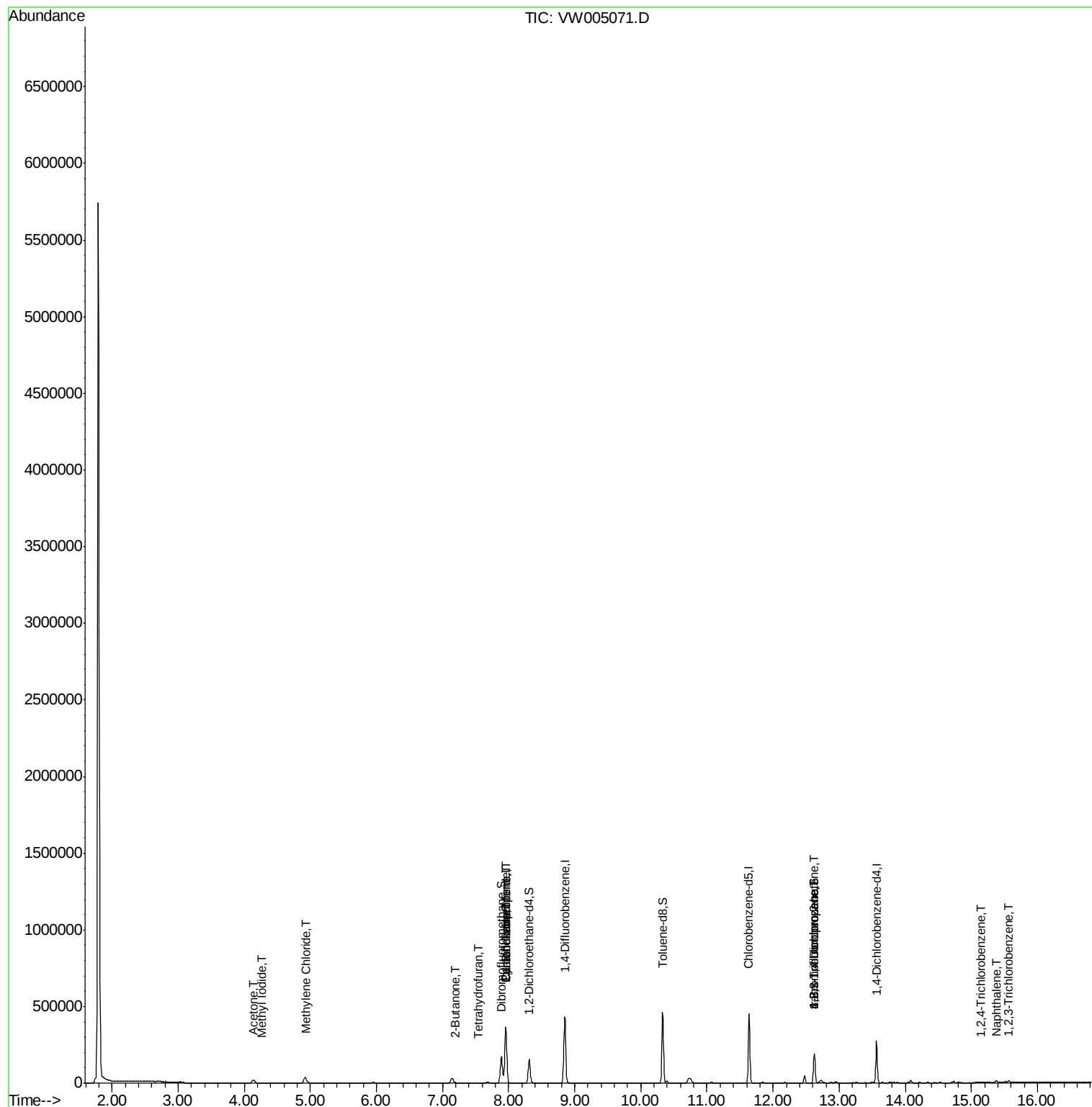
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	677	Below Cal	#	73
10) Methyl Iodide	4.27	142	442	3.923	ug/l #	86
11) Tert butyl alcohol	5.18	59	277	Below Cal	#	72
16) Acetone	4.14	43	33250	67.244	ug/l	96
20) Methylene Chloride	4.92	84	30559	5.699	ug/l	98
25) 2-Butanone	7.20	43	1019	1.188	ug/l #	89
29) Tetrahydrofuran	7.54	42	528	1.205	ug/l #	41
31) Cyclohexane	7.95	56	5036	1.040	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	20035	5.446	ug/l #	47
38) Carbon Tetrachloride	7.96	117	26409	7.549	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	25776	44.567	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	25776	107.268	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.15	180	2150	1.338	ug/l	90
95) Naphthalene	15.38	128	11785	7.884	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	2292	1.667	ug/l	88

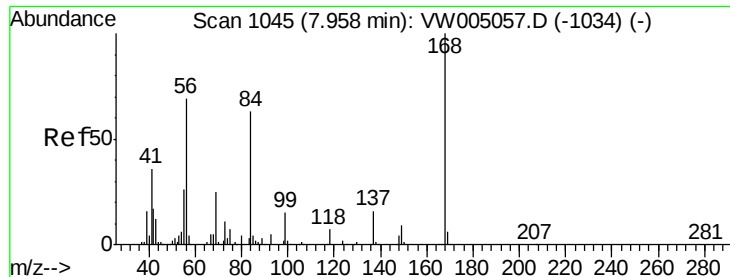
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW005071.D

Acq: 01 Sep 2018 07:50

Instrument :

MSVOA_W

ClientSampleId :

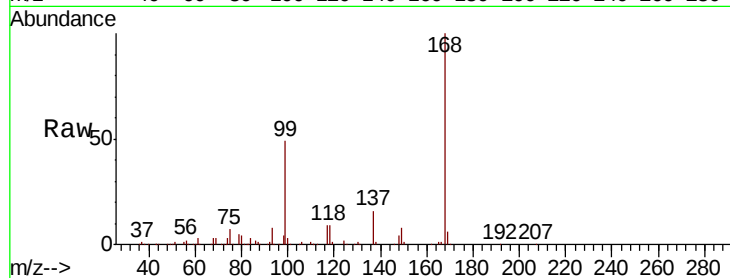
ENY-SB-02-1.5-2RE

Tgt Ion:168 Resp: 297431

Ion Ratio Lower Upper

168 100

99 49.2 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

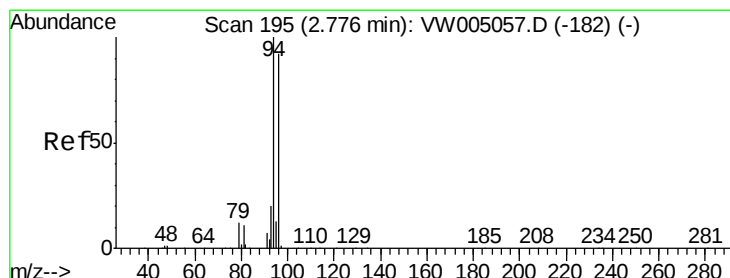
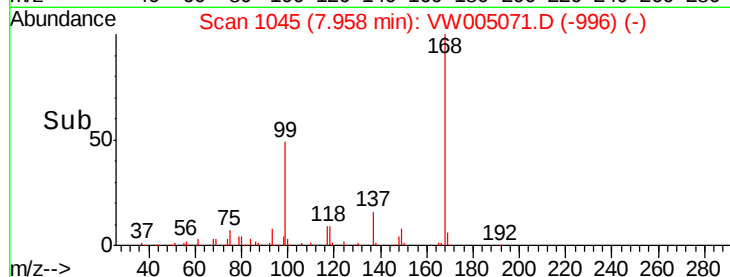
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW005071.D

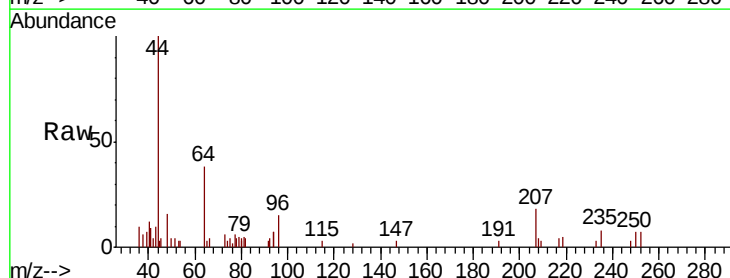
Acq: 01 Sep 2018 07:50

Tgt Ion: 94 Resp: 677

Ion Ratio Lower Upper

94 100

96 66.1 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

400

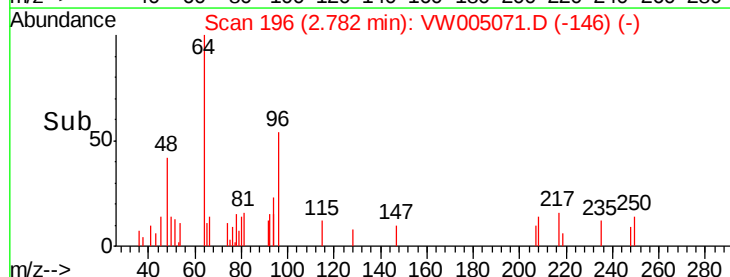
300

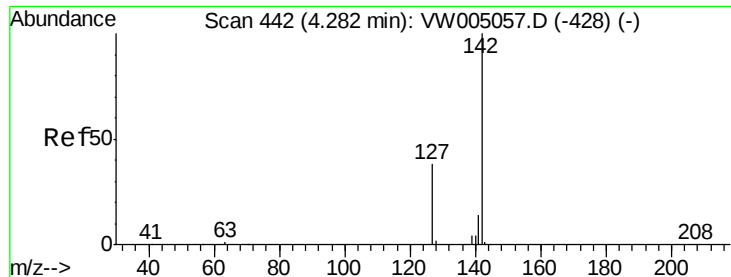
200

100

0

Time-->

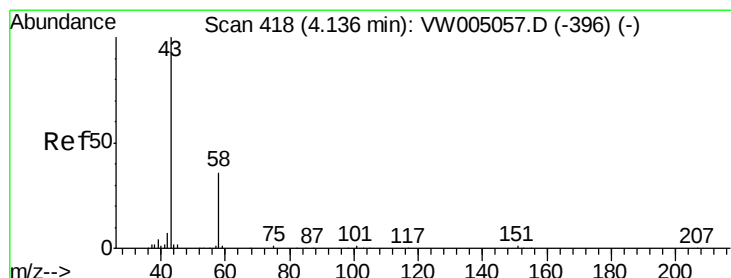
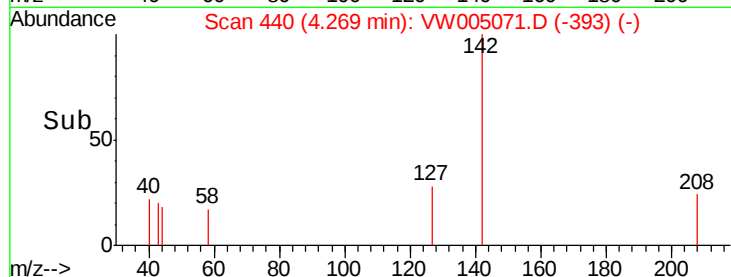
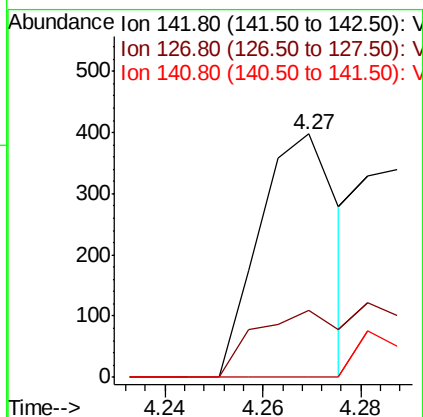
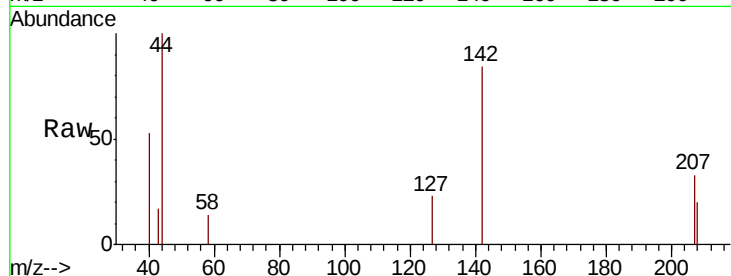




#10
Methyl Iodide
Concen: 3.923 ug/l
RT: 4.27 min Scan# 440
Delta R.T. -0.01 min
Lab File: VW005071.D
Acq: 01 Sep 2018 07:50

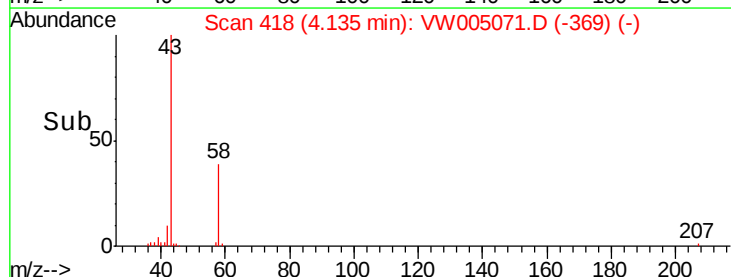
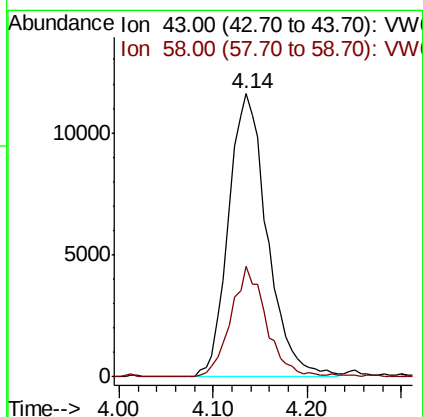
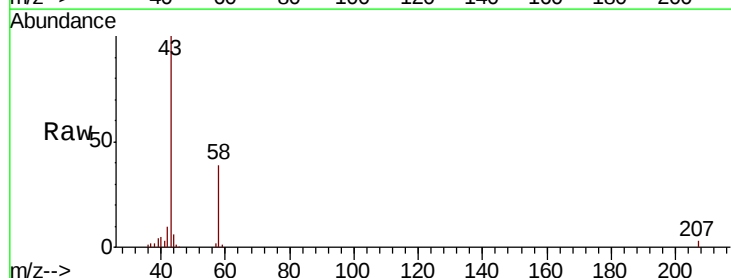
Instrument :
MSVOA_W
ClientSampleId :
ENY-SB-02-1.5-2RE

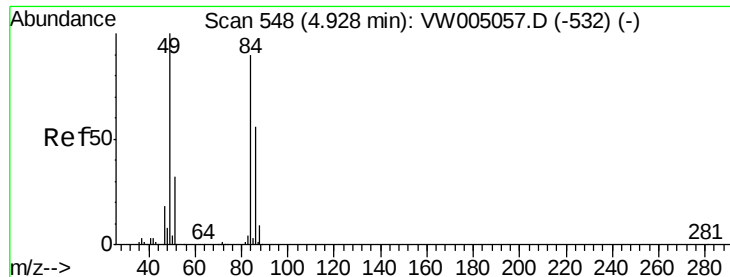
Tgt Ion: 142 Resp: 442
Ion Ratio Lower Upper
142 100
127 29.2 30.8 46.2#
141 10.4 11.6 17.4#



#16
Acetone
Concen: 67.244 ug/l
RT: 4.14 min Scan# 418
Delta R.T. -0.00 min
Lab File: VW005071.D
Acq: 01 Sep 2018 07:50

Tgt Ion: 43 Resp: 33250
Ion Ratio Lower Upper
43 100
58 38.9 29.0 43.6

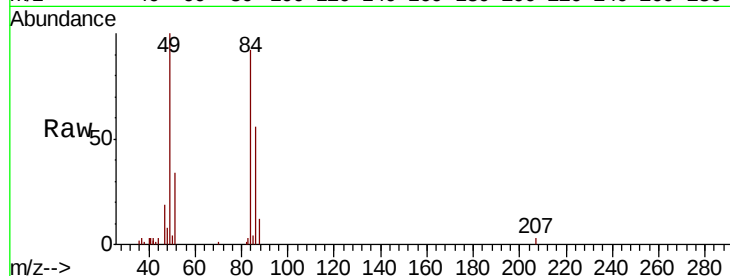




#20
Methylene Chloride
Concen: 5.699 ug/l
RT: 4.92 min Scan# 547
Delta R.T. -0.01 min
Lab File: VW005071.D
Acq: 01 Sep 2018 07:50

Instrument :
MSVOA_W
ClientSampleId :
ENY-SB-02-1.5-2RE

Tgt Ion:	84	Resp:	30559
Ion	Ratio	Lower	Upper
84	100		
49	109.0	88.7	133.1
51	37.3	28.6	42.8
86	60.7	49.4	74.2



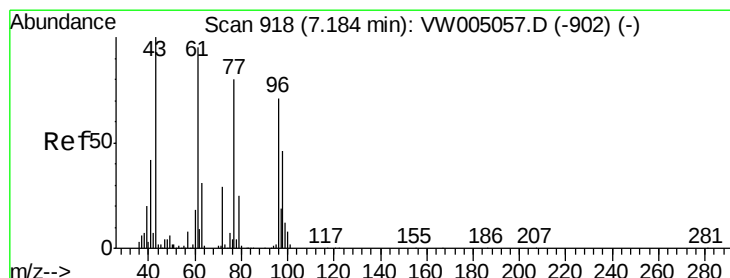
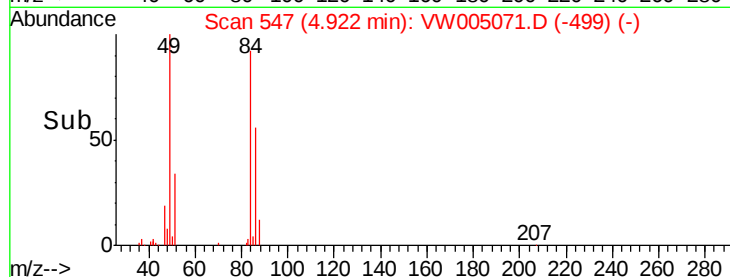
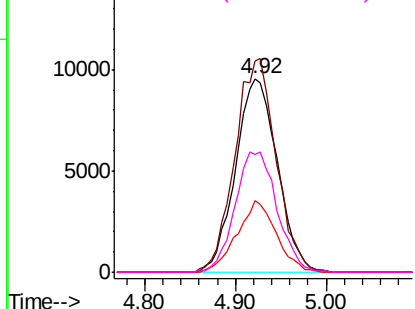
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

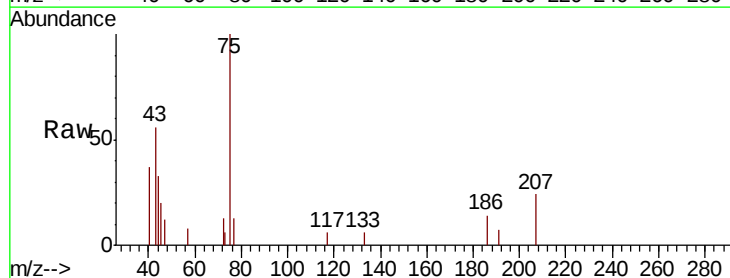
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 1.188 ug/l
RT: 7.20 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW005071.D
Acq: 01 Sep 2018 07:50

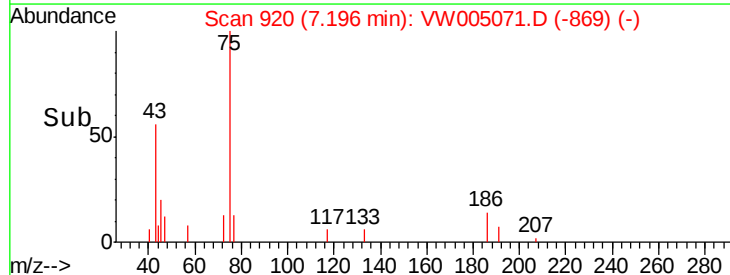
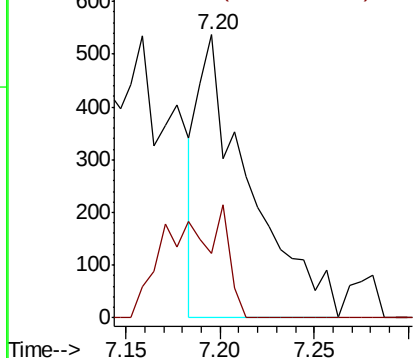
Tgt Ion:	43	Resp:	1019
Ion	Ratio	Lower	Upper
43	100		
72	22.9	23.1	34.7#

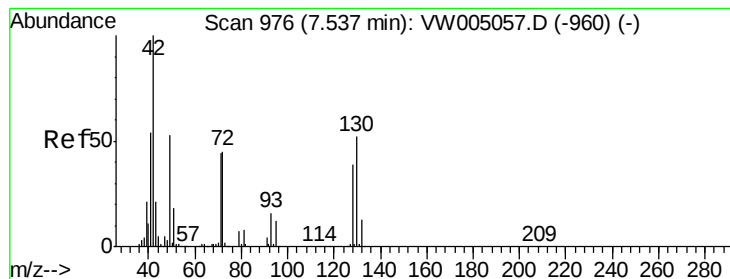


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 1.205 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW005071.D

Acq: 01 Sep 2018 07:50

Instrument :

MSVOA_W

ClientSampleId :

ENY-SB-02-1.5-2RE

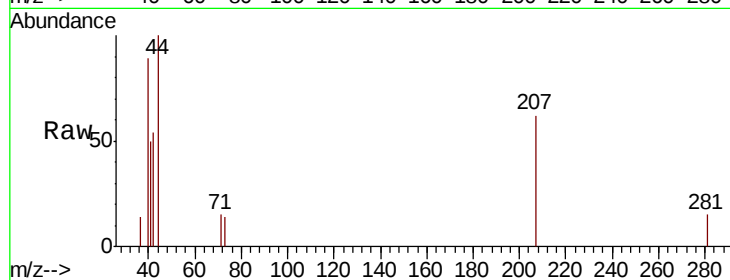
Tgt Ion: 42 Resp: 528

Ion Ratio Lower Upper

42 100

72 4.0 37.0 55.4#

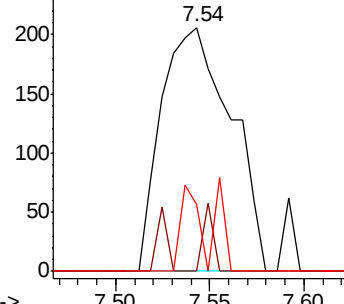
71 9.1 35.0 52.6#



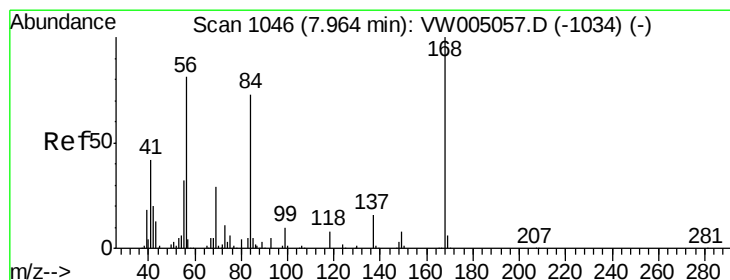
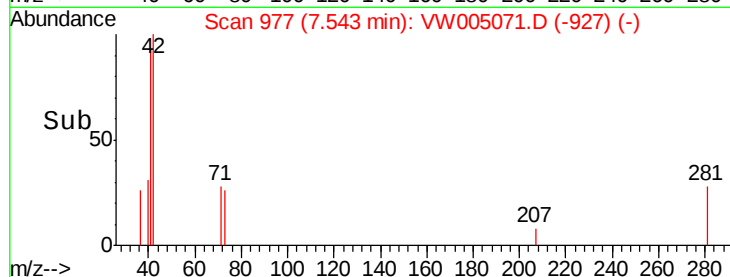
Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



Time-->



#31

Cyclohexane

Concen: 1.040 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW005071.D

Acq: 01 Sep 2018 07:50

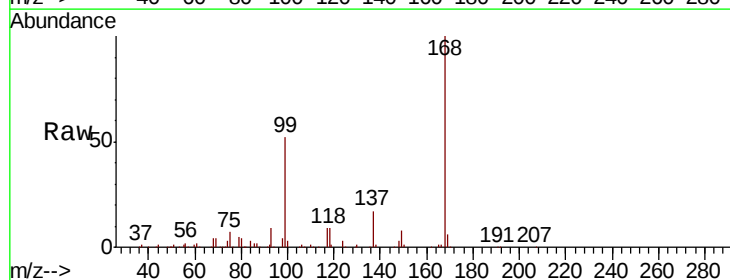
Tgt Ion: 56 Resp: 5036

Ion Ratio Lower Upper

56 100

69 191.2 28.2 42.2#

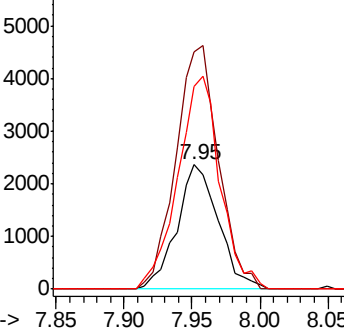
84 162.9 71.8 107.8#



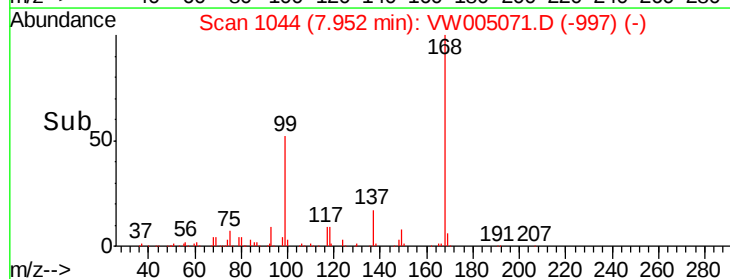
Abundance Ion 56.00 (55.70 to 56.70): VW

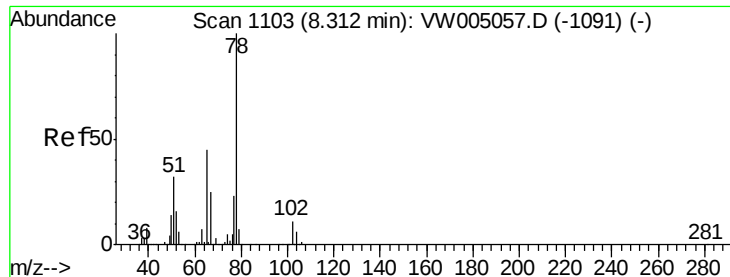
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



Time-->

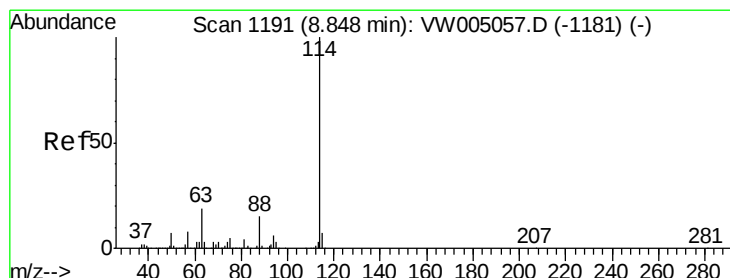
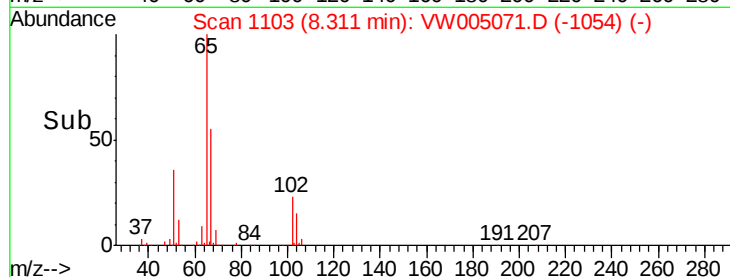
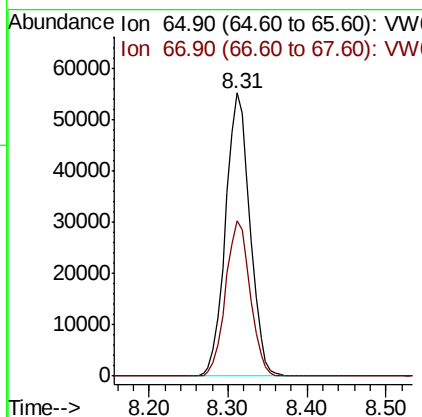
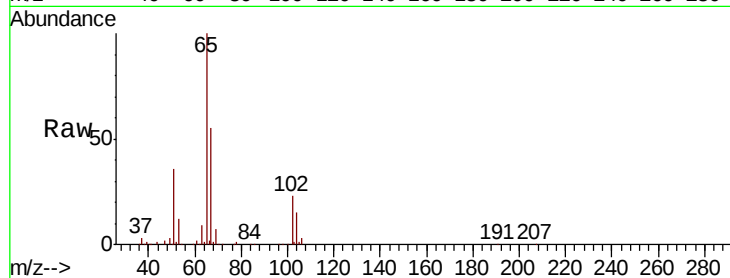




#33
 1,2-Dichloroethane-d4
 Concen: 48.137 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW005071.D
 Acq: 01 Sep 2018 07:50

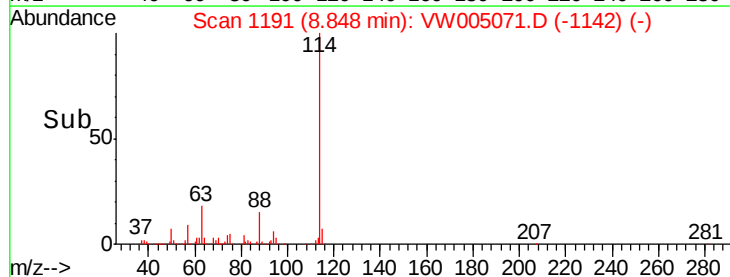
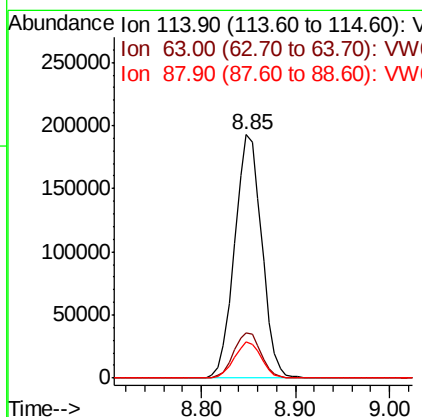
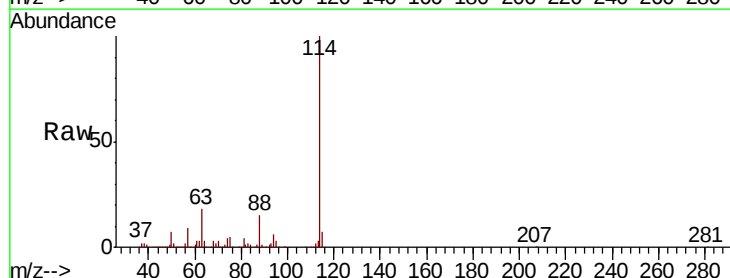
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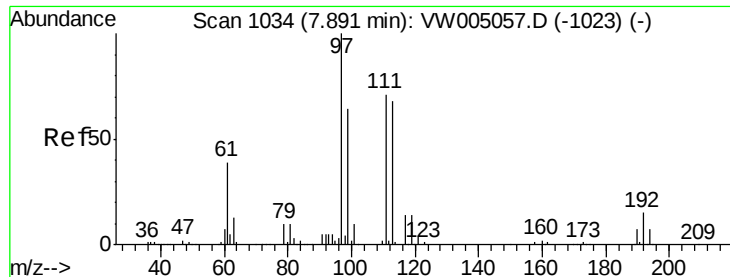
Tgt Ion: 65 Resp: 118684
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW005071.D
 Acq: 01 Sep 2018 07:50

Tgt Ion: 114 Resp: 386290
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.0
 88 15.1 0.0 30.2

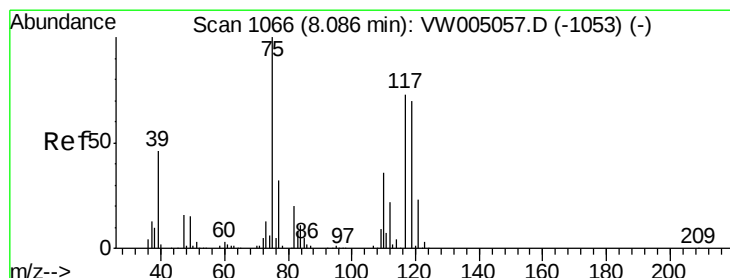
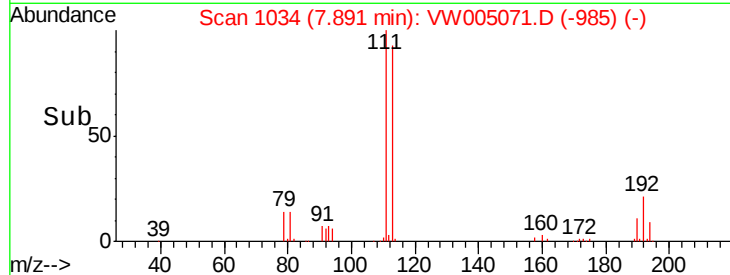
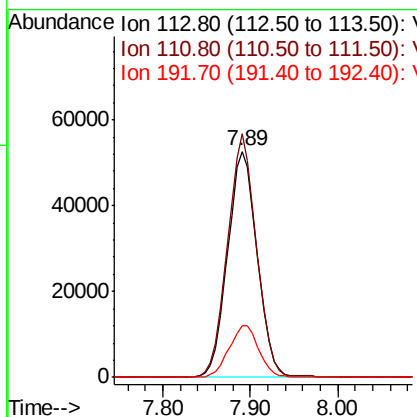
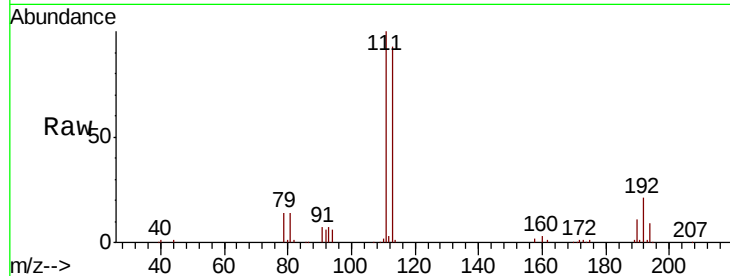




#35
 Dibromofluoromethane
 Concen: 55.355 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: VW005071.D
 Acq: 01 Sep 2018 07:50

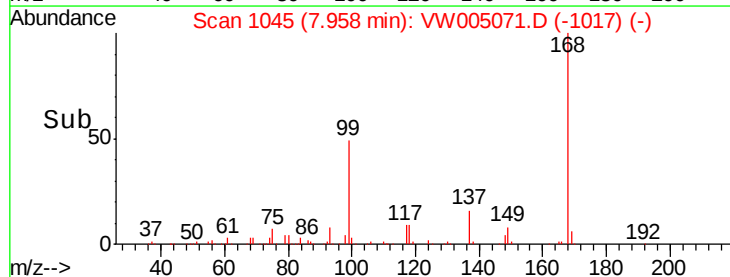
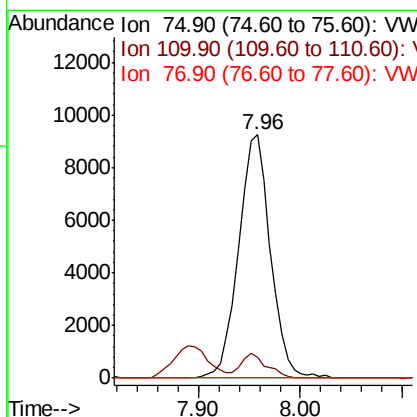
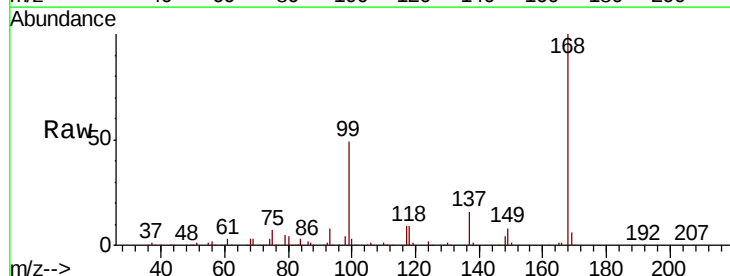
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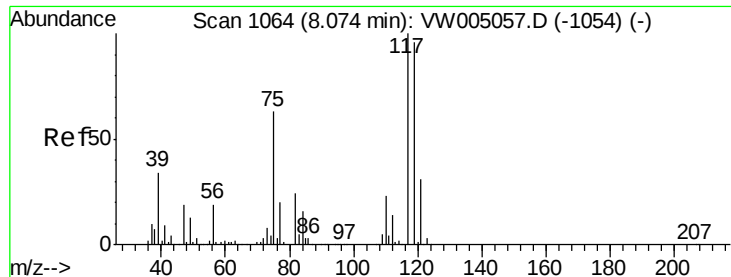
Tgt Ion:	113	Resp:	123569
Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.2	123.2
192	22.8	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 5.446 ug/l
 RT: 7.96 min Scan# 1045
 Delta R.T. -0.13 min
 Lab File: VW005071.D
 Acq: 01 Sep 2018 07:50

Tgt Ion:	75	Resp:	20035
Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.9	56.7#
77	0.0	25.5	38.3#





#38

Carbon Tetrachloride

Concen: 7.549 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.12 min

Lab File: VW005071.D

Acq: 01 Sep 2018 07:50

Instrument :

MSVOA_W

ClientSampleId :

ENY-SB-02-1.5-2RE

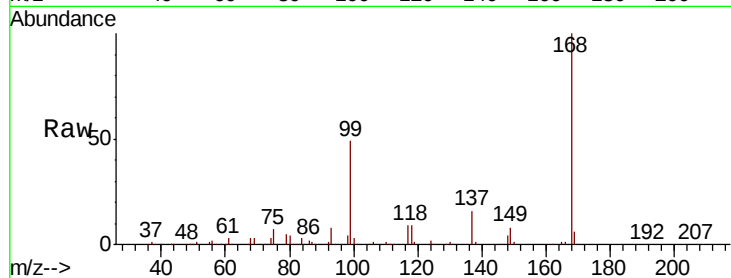
Tgt Ion:117 Resp: 26409

Ion Ratio Lower Upper

117 100

119 7.2 76.6 115.0#

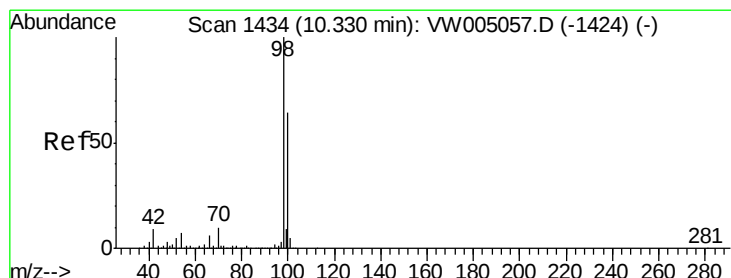
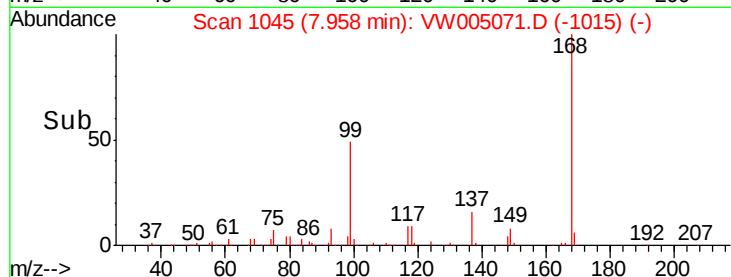
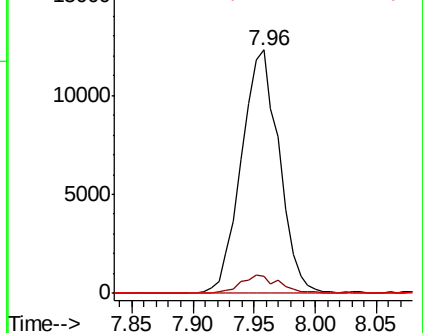
121 0.0 24.8 37.2#



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: 31.359 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW005071.D

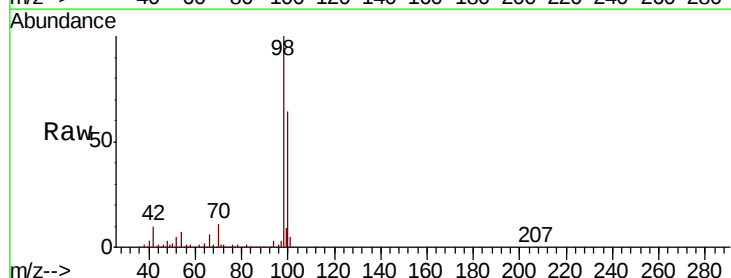
Acq: 01 Sep 2018 07:50

Tgt Ion: 98 Resp: 322561

Ion Ratio Lower Upper

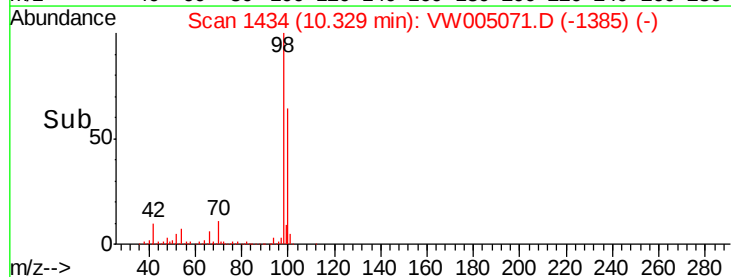
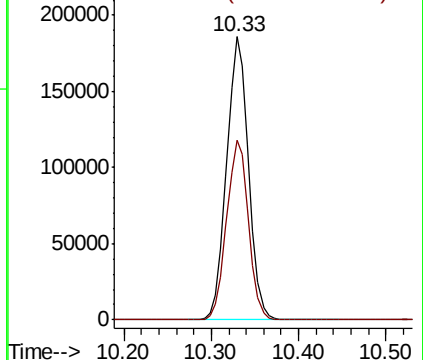
98 100

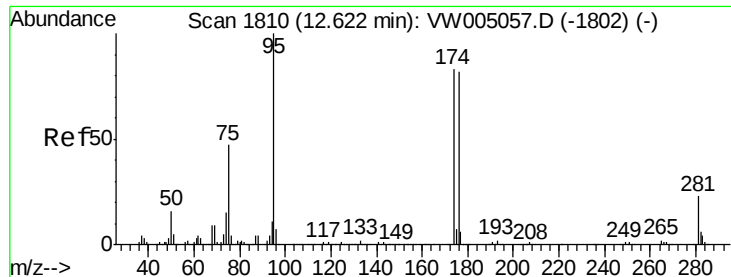
100 63.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 15.703 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW005071.D

Acq: 01 Sep 2018 07:50

Instrument :

MSVOA_W

ClientSampleId :

ENY-SB-02-1.5-2RE

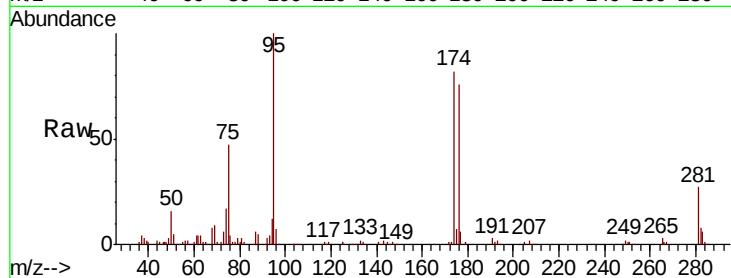
Tgt Ion: 95 Resp: 56953

Ion Ratio Lower Upper

95 100

174 89.3 0.0 173.4

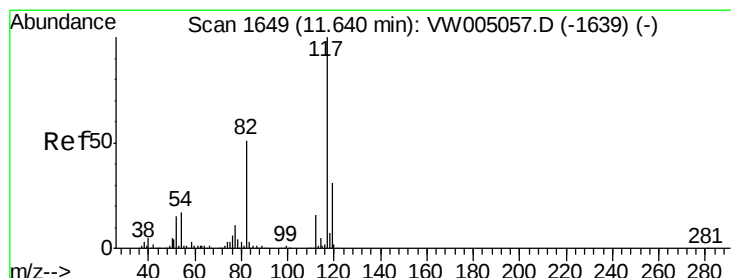
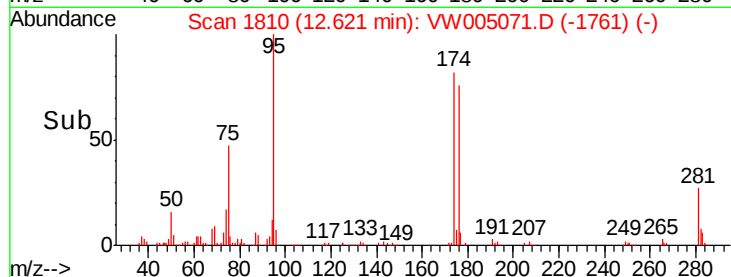
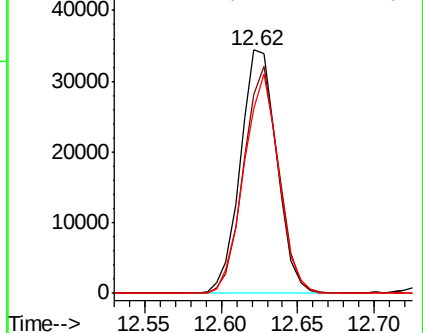
176 86.7 0.0 167.4



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: 50.000 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VW005071.D

Acq: 01 Sep 2018 07:50

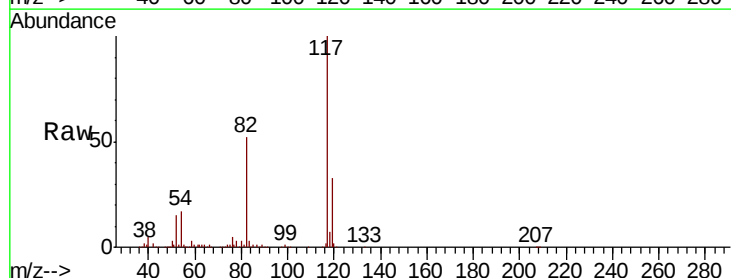
Tgt Ion: 117 Resp: 280267

Ion Ratio Lower Upper

117 100

82 51.6 40.9 61.3

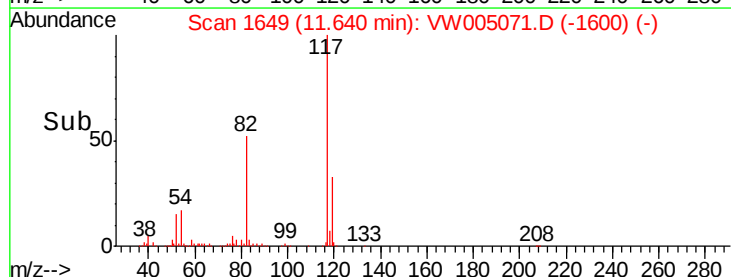
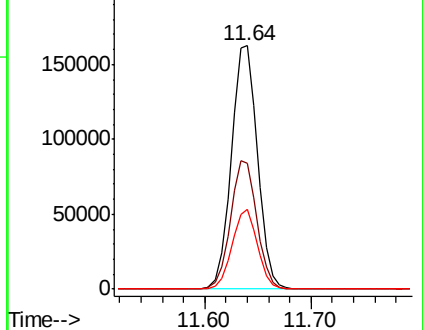
119 32.7 24.9 37.3

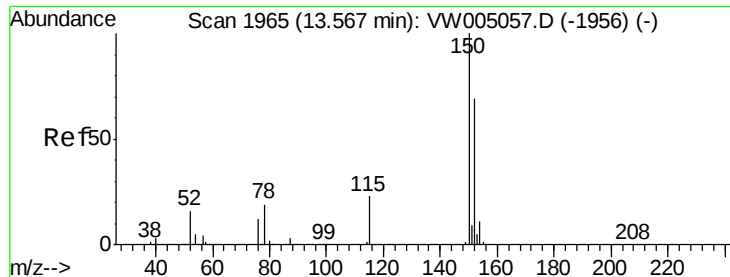


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



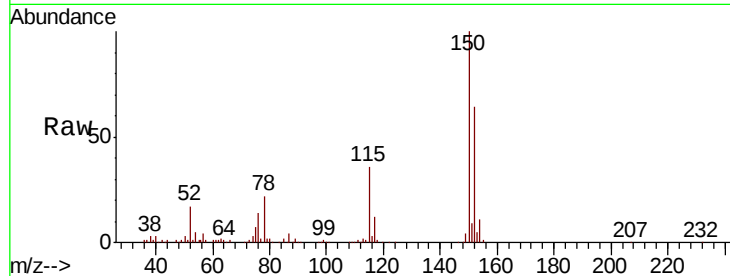


#72

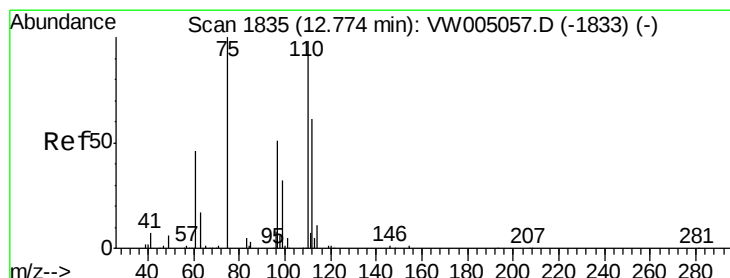
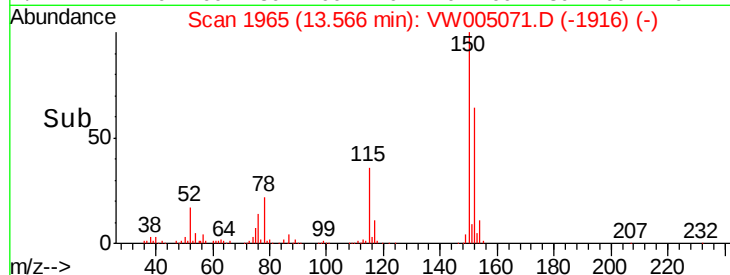
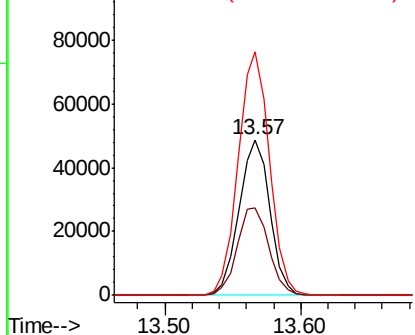
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW005071.D
Acq: 01 Sep 2018 07:50

Instrument :
MSVOA_W
ClientSampleId :
ENY-SB-02-1.5-2RE

Tgt Ion: 152 Resp: 77051
Ion Ratio Lower Upper
152 100
115 57.9 27.8 83.4
150 158.6 0.0 351.4



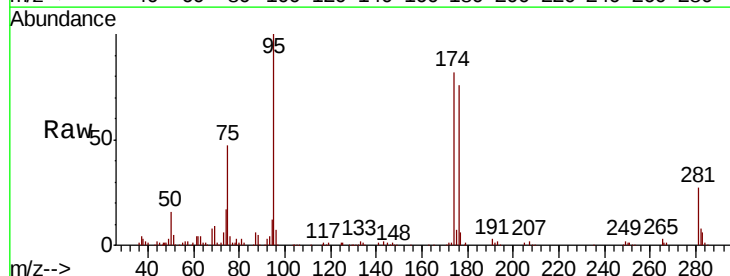
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



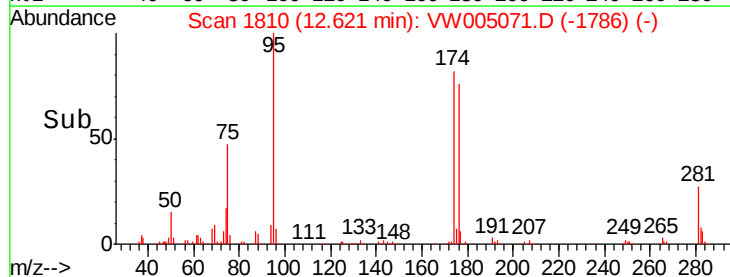
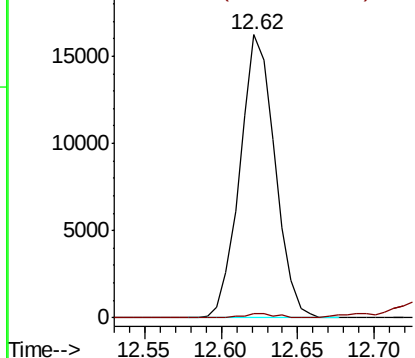
#76

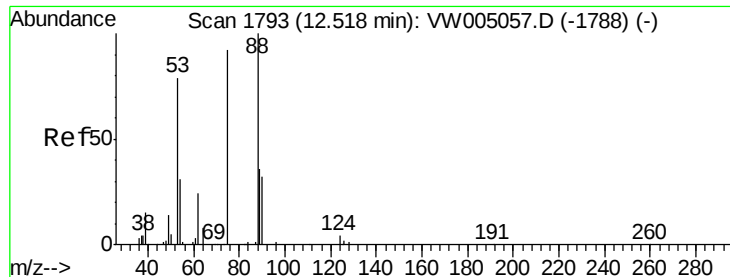
1,2,3-Trichloropropane
Concen: 44.567 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW005071.D
Acq: 01 Sep 2018 07:50

Tgt Ion: 75 Resp: 25776
Ion Ratio Lower Upper
75 100
77 1.4 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: 107.268 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW005071.D

Acq: 01 Sep 2018 07:50

Instrument :

MSVOA_W

ClientSampleId :

ENY-SB-02-1.5-2RE

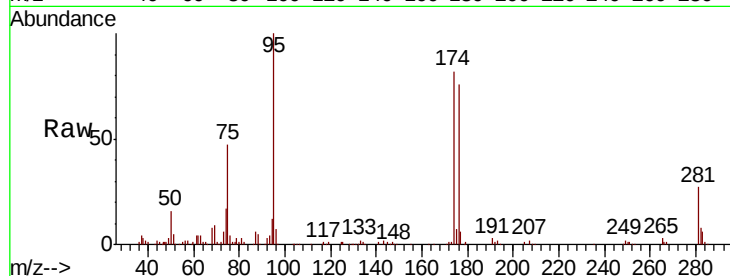
Tgt Ion: 75 Resp: 25776

Ion Ratio Lower Upper

75 100

53 0.3 69.8 104.8#

89 0.4 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

20000

12.62

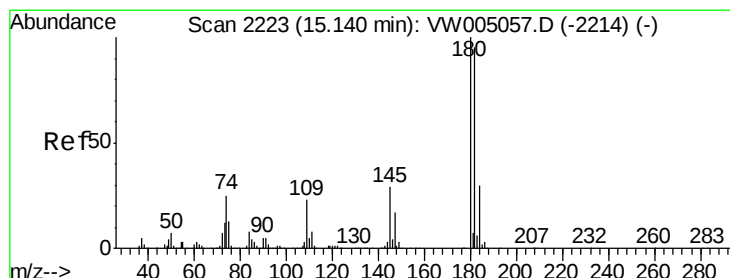
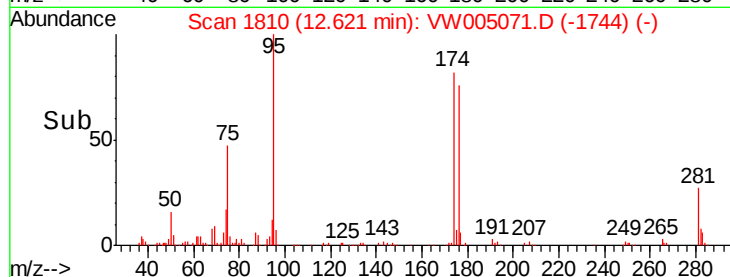
15000

10000

5000

0

Time--> 12.55 12.60 12.65 12.70



#93

1,2,4-Trichlorobenzene

Concen: 1.338 ug/l

RT: 15.15 min Scan# 2224

Delta R.T. 0.01 min

Lab File: VW005071.D

Acq: 01 Sep 2018 07:50

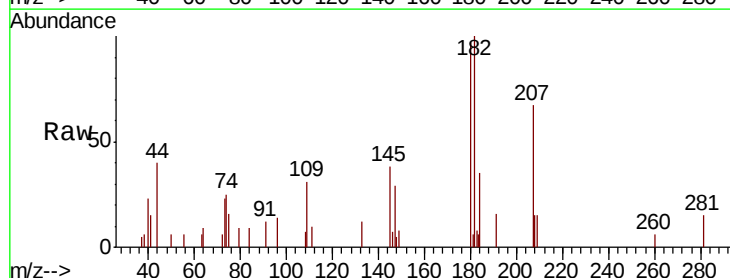
Tgt Ion: 180 Resp: 2150

Ion Ratio Lower Upper

180 100

182 102.0 47.5 142.6

145 38.9 14.4 43.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

1500

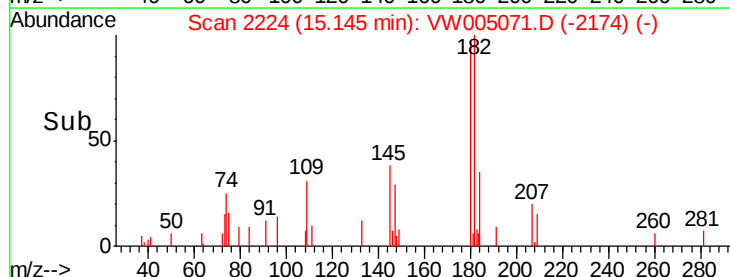
15.15

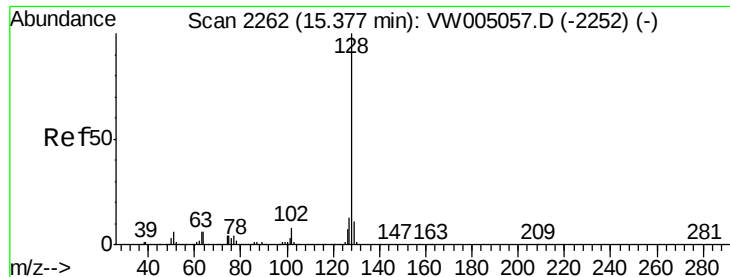
1000

500

0

Time--> 15.10 15.15 15.20

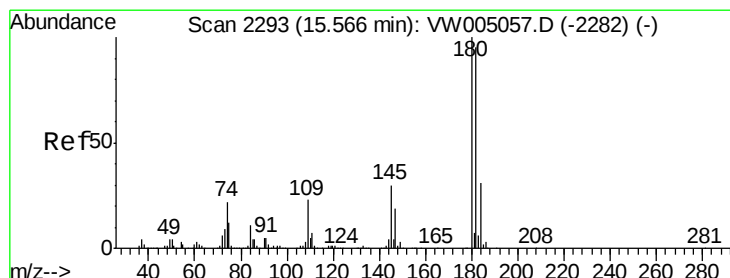
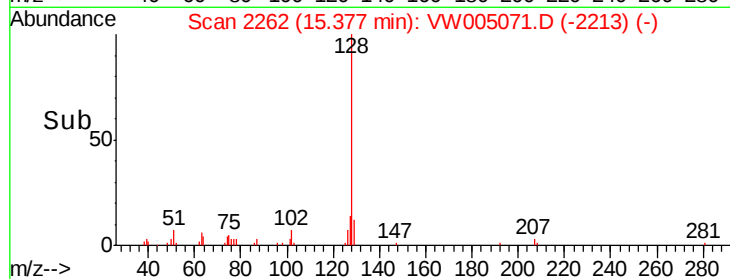
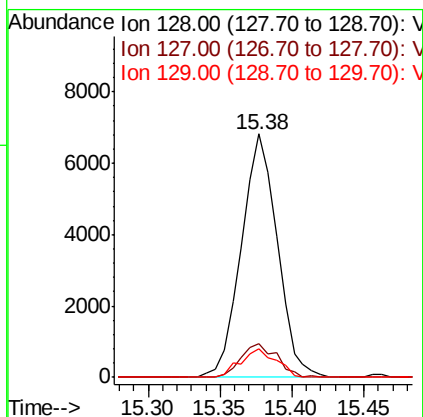
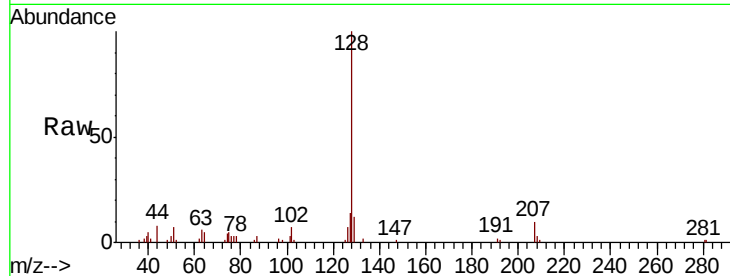




#95
Naphthalene
Concen: 7.884 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW005071.D
Acq: 01 Sep 2018 07:50

Instrument :
MSVOA_W
ClientSampleId :
ENY-SB-02-1.5-2RE

Tgt Ion:128 Resp: 11785
Ion Ratio Lower Upper
128 100
127 13.7 10.4 15.6
129 11.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.667 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW005071.D
Acq: 01 Sep 2018 07:50

Tgt Ion:180 Resp: 2292
Ion Ratio Lower Upper
180 100
182 81.1 47.4 142.3
145 33.3 15.4 46.1

