

Data File : VW005145.D
Acq On : 05 Sep 2018 22:09
Operator : SY/AP
Sample : J4712-12RE
Misc : 5.59G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DW-08RE

Quant Time: Sep 06 01:23:27 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	487215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	768257	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	638499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	209405	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	272328	67.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	134.86%	
35) Dibromofluoromethane	7.89	113	250714	56.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.94%	
50) Toluene-d8	10.33	98	974059	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
62) 4-Bromofluorobenzene	12.63	95	253698	35.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.34%	

Target Compounds

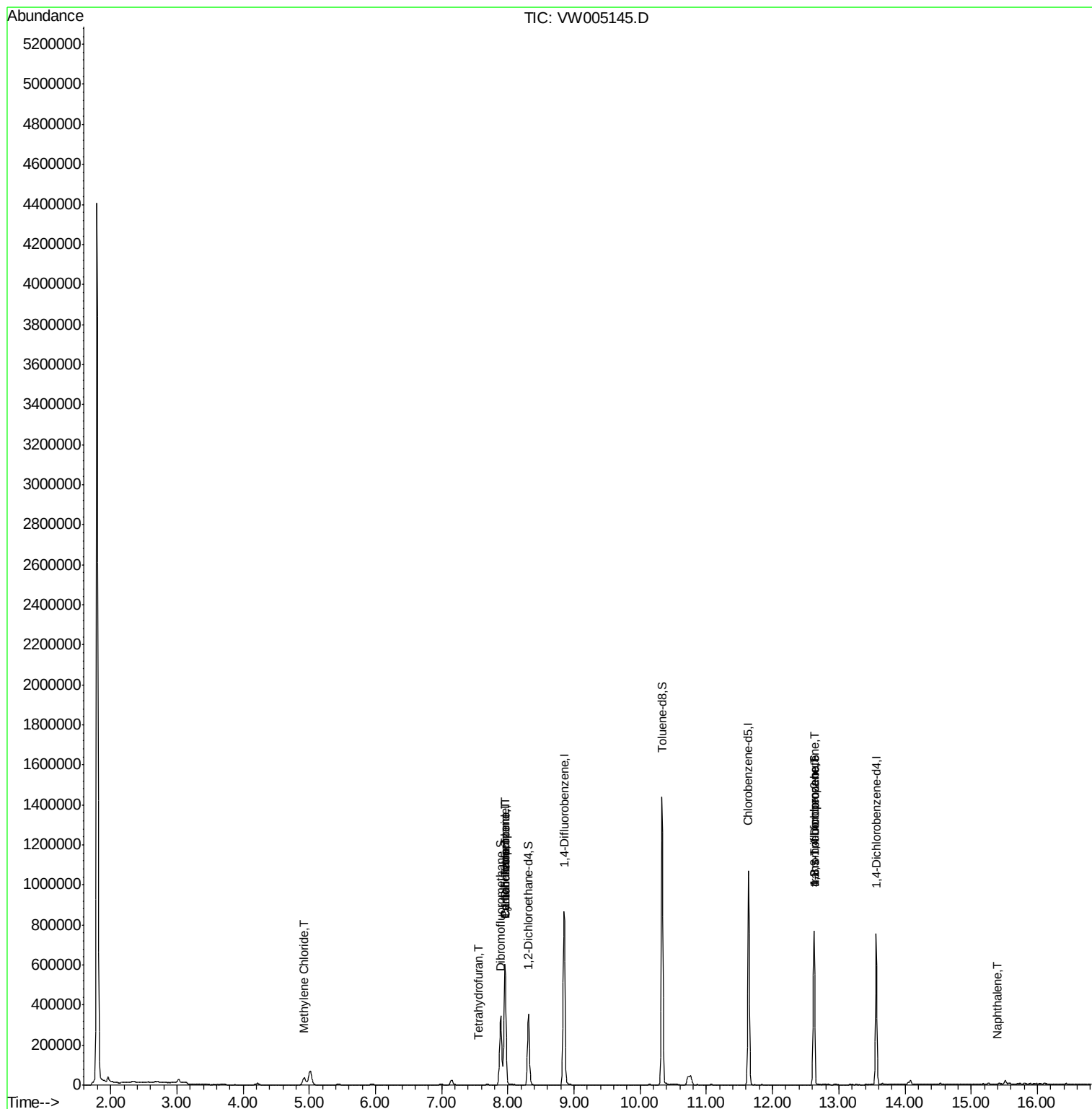
						Qvalue
5) Bromomethane	2.77	94	827	Below Cal		87
11) Tert butyl alcohol	5.19	59	165	Below Cal	#	72
20) Methylene Chloride	4.92	84	27147	1.159	ug/l	91
29) Tetrahydrofuran	7.56	42	768	1.070	ug/l #	60
31) Cyclohexane	7.95	56	8923	1.125	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	34468	4.711	ug/l #	47
38) Carbon Tetrachloride	7.96	117	44230	6.357	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	118549	75.420	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	118549	181.529	ug/l #	15
95) Naphthalene	15.38	128	998	4.101	ug/l #	76

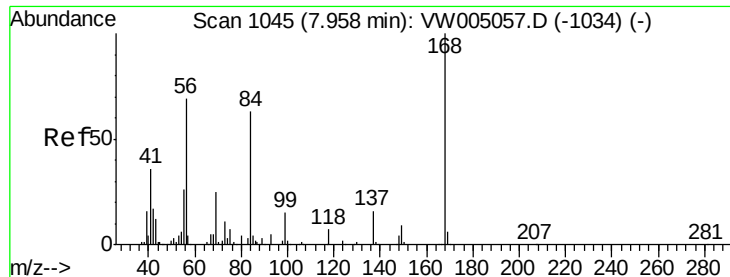
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW005145.D

Acq: 05 Sep 2018 22:09

Instrument :

MSVOA_W

ClientSampleId :

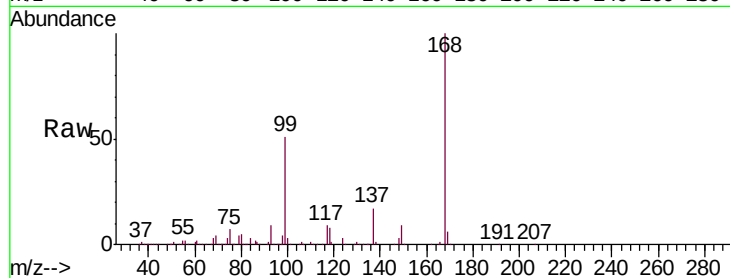
DW-08RE

Tgt Ion:168 Resp: 487215

Ion Ratio Lower Upper

168 100

99 51.1 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

250000

200000

150000

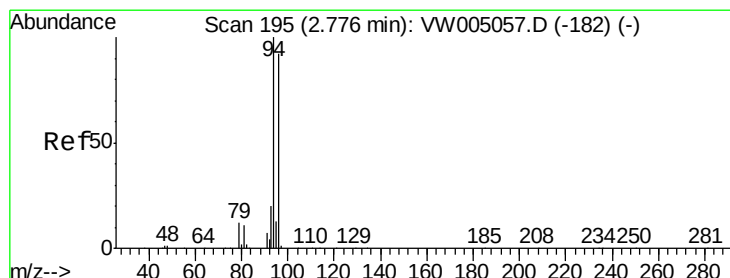
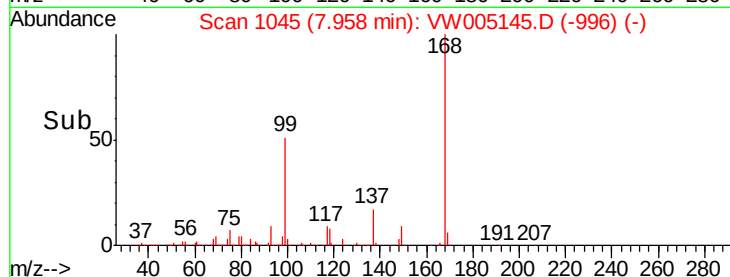
100000

50000

0

Time-->

7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 194

Delta R.T. -0.01 min

Lab File: VW005145.D

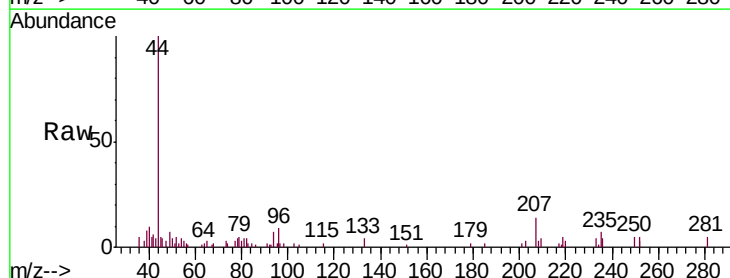
Acq: 05 Sep 2018 22:09

Tgt Ion: 94 Resp: 827

Ion Ratio Lower Upper

94 100

96 78.9 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.77

400

300

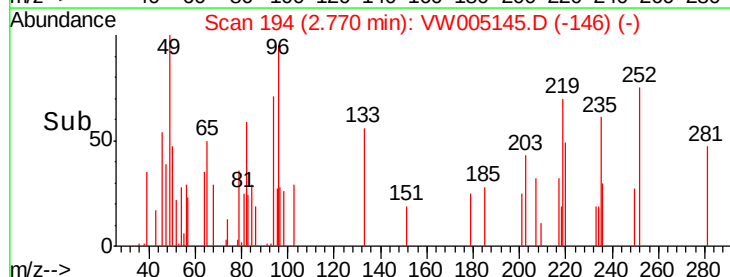
200

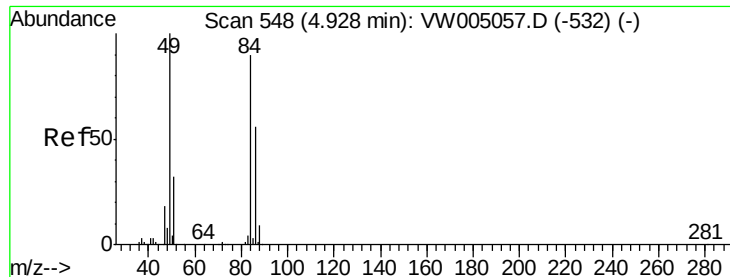
100

0

Time-->

2.75 2.80 2.85





#20

Methylene Chloride

Concen: 1.159 ug/l

RT: 4.92 min Scan# 547

Delta R.T. -0.01 min

Lab File: VW005145.D

Acq: 05 Sep 2018 22:09

Instrument :

MSVOA_W

ClientSampleId :

DW-08RE

Tgt Ion: 84 Resp: 27147

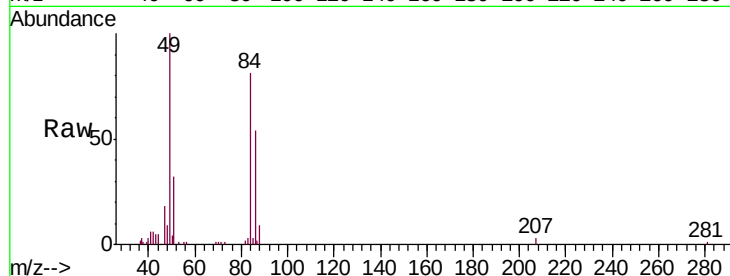
Ion Ratio Lower Upper

84 100

49 123.6 88.7 133.1

51 39.9 28.6 42.8

86 66.2 49.4 74.2

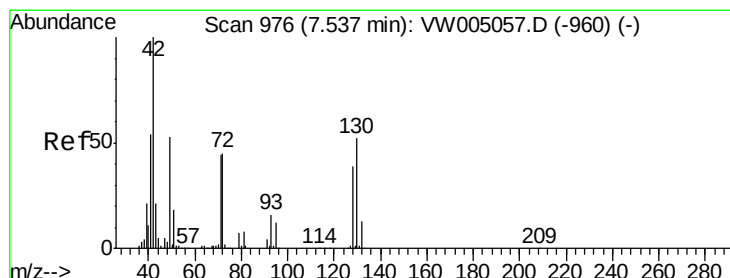
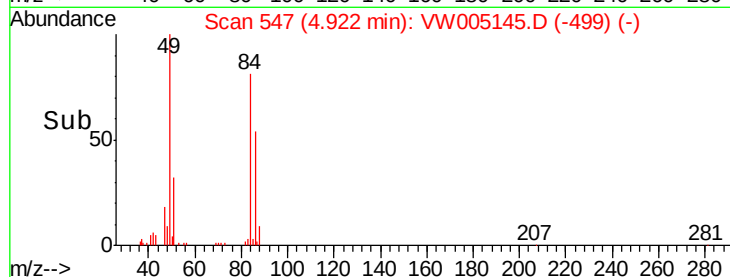
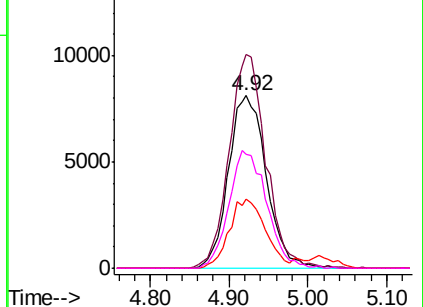


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#29

Tetrahydrofuran

Concen: 1.070 ug/l

RT: 7.56 min Scan# 980

Delta R.T. 0.02 min

Lab File: VW005145.D

Acq: 05 Sep 2018 22:09

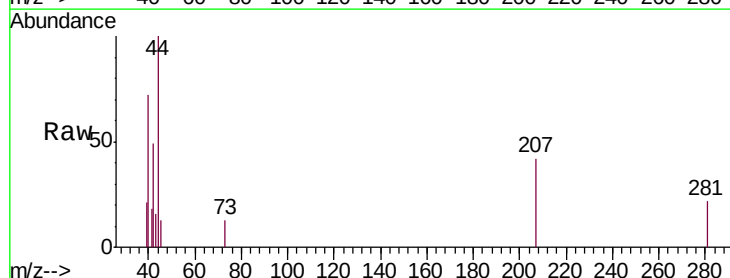
Tgt Ion: 42 Resp: 768

Ion Ratio Lower Upper

42 100

72 19.5 37.0 55.4#

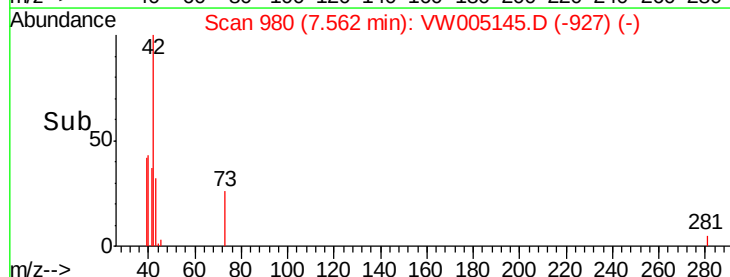
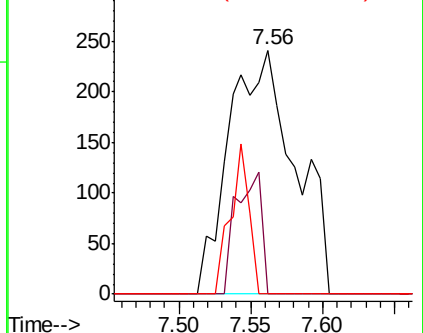
71 17.7 35.0 52.6#

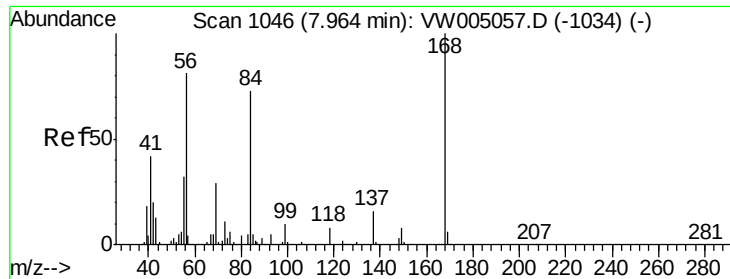


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

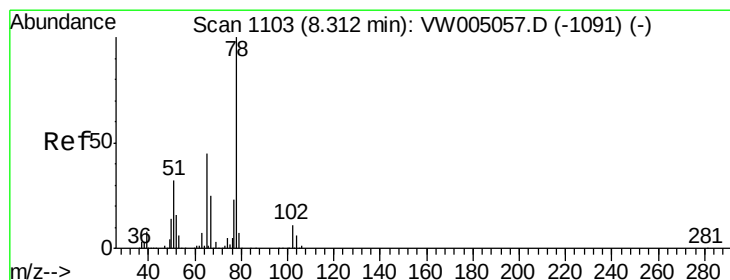
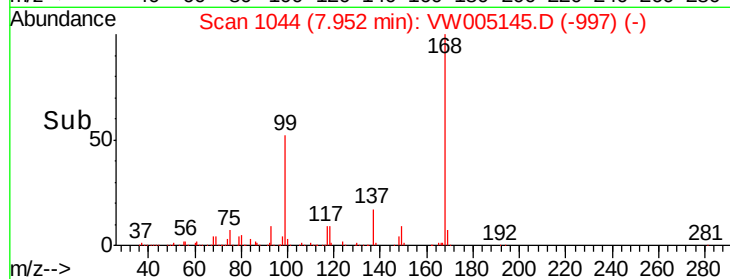
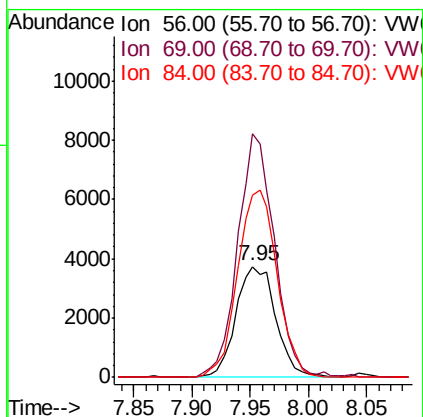
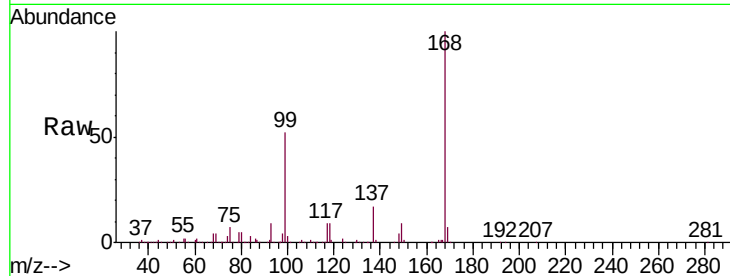




#31
Cyclohexane
Concen: 1.125 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW005145.D
Acq: 05 Sep 2018 22:09

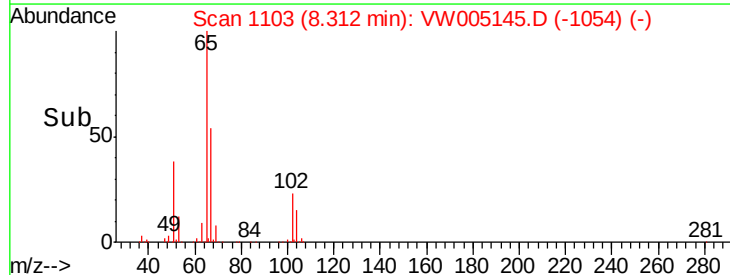
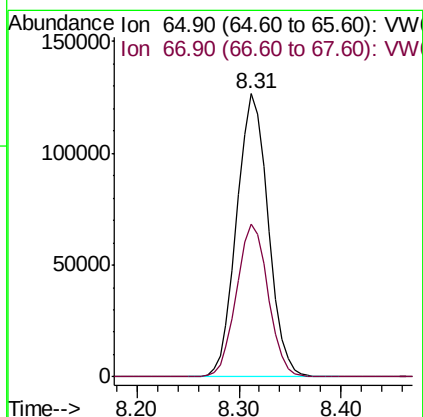
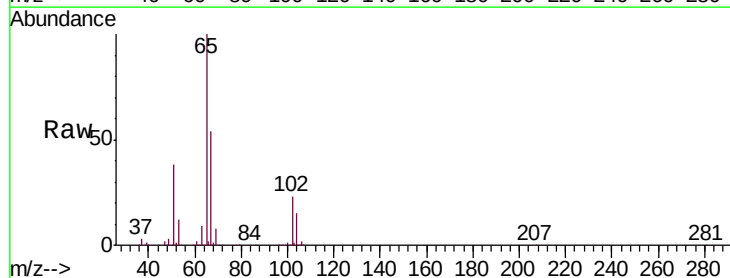
Instrument :
MSVOA_W
ClientSampleId :
DW-08RE

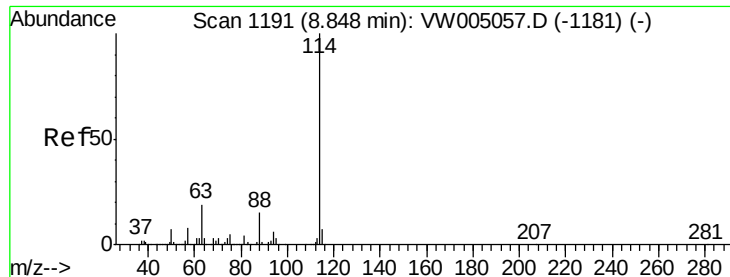
Tgt Ion: 56 Resp: 8923
Ion Ratio Lower Upper
56 100
69 220.3 28.2 42.2#
84 165.2 71.8 107.8#



#33
1,2-Dichloroethane-d4
Concen: 67.428 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VW005145.D
Acq: 05 Sep 2018 22:09

Tgt Ion: 65 Resp: 272328
Ion Ratio Lower Upper
65 100
67 54.1 0.0 109.4

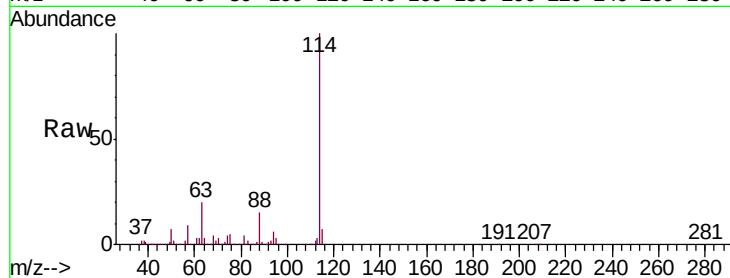




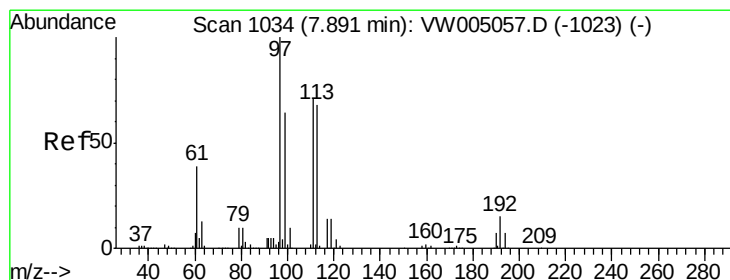
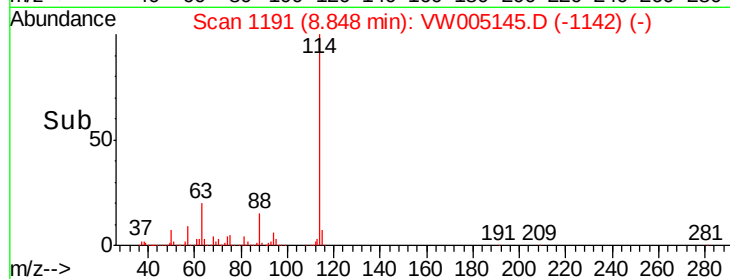
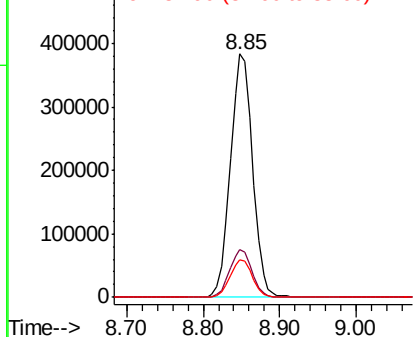
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW005145.D
 Acq: 05 Sep 2018 22:09

Instrument :
 MSVOA_W
 ClientSampleId :
 DW-08RE

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	38.0
88	15.4	0.0	30.2

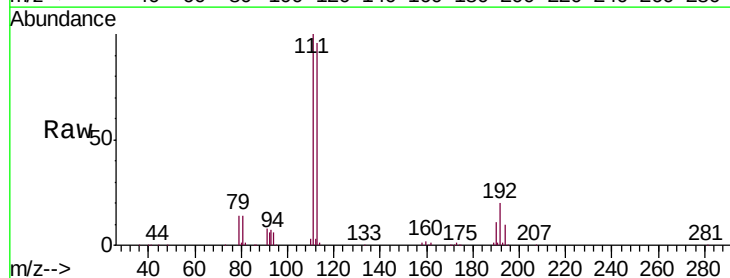


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

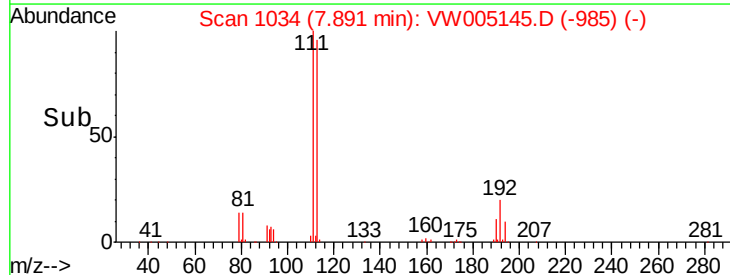
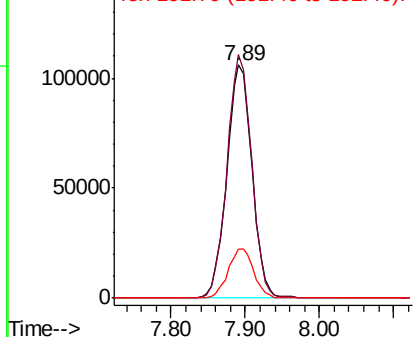


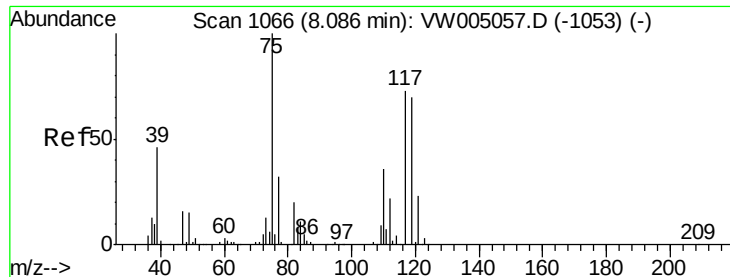
#35
 Dibromofluoromethane
 Concen: 56.472 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: VW005145.D
 Acq: 05 Sep 2018 22:09

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.2
192	21.5	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: 4.711 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.13 min

Lab File: VW005145.D

Acq: 05 Sep 2018 22:09

Instrument :

MSVOA_W

ClientSampleId :

DW-08RE

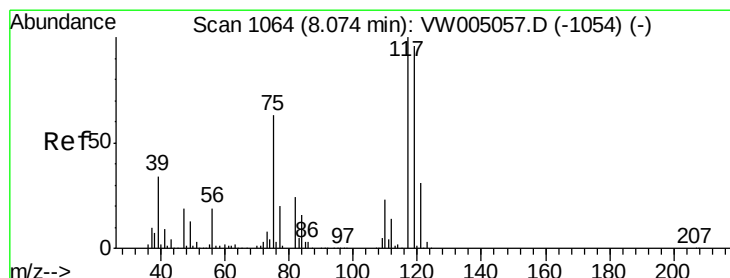
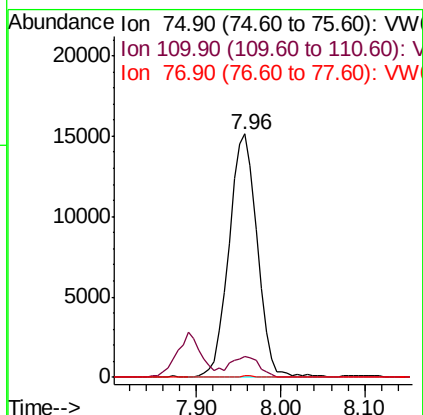
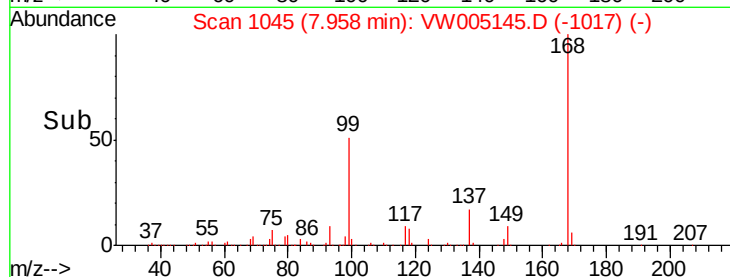
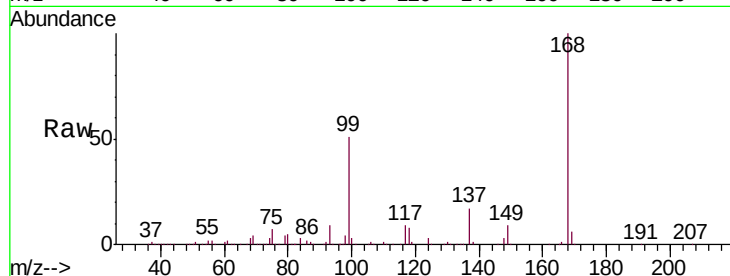
Tgt Ion: 75 Resp: 34468

Ion Ratio Lower Upper

75 100

110 8.1 18.9 56.7#

77 0.4 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 6.357 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.12 min

Lab File: VW005145.D

Acq: 05 Sep 2018 22:09

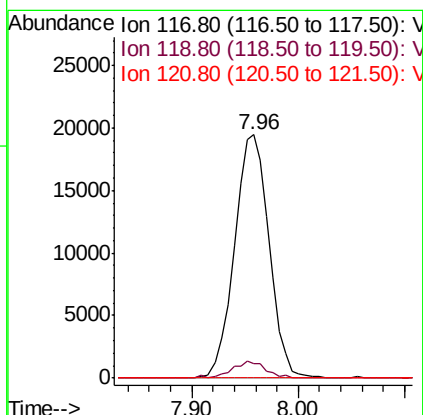
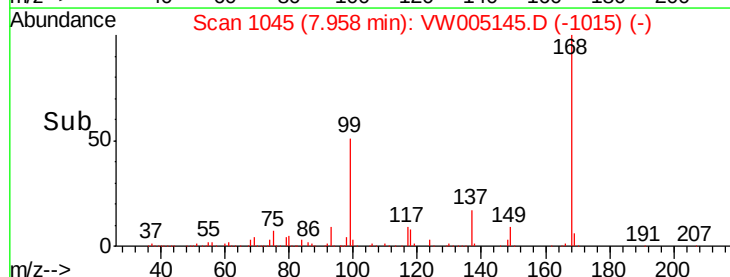
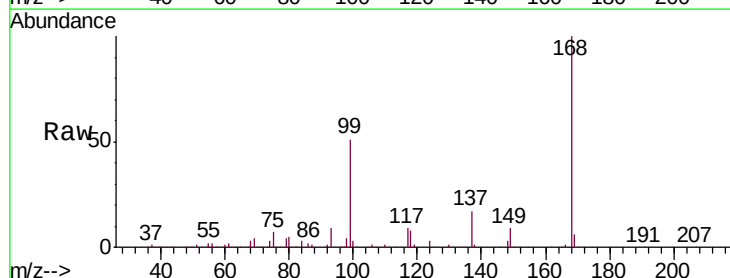
Tgt Ion: 117 Resp: 44230

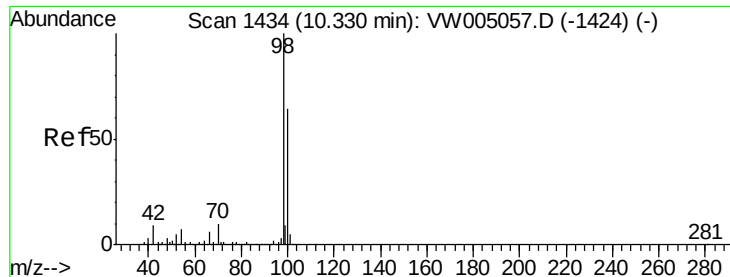
Ion Ratio Lower Upper

117 100

119 5.9 76.6 115.0#

121 0.0 24.8 37.2#

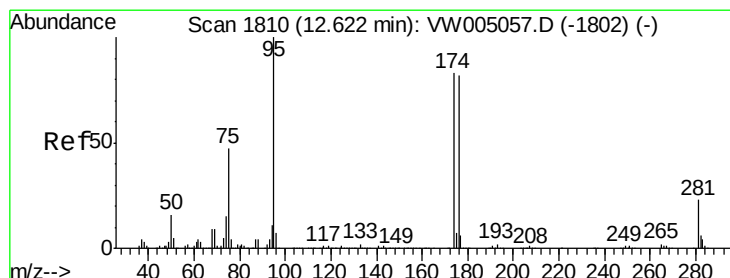
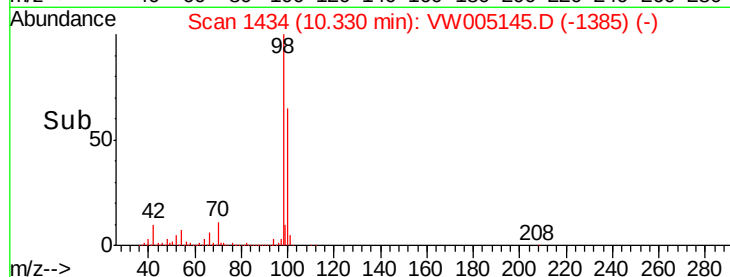
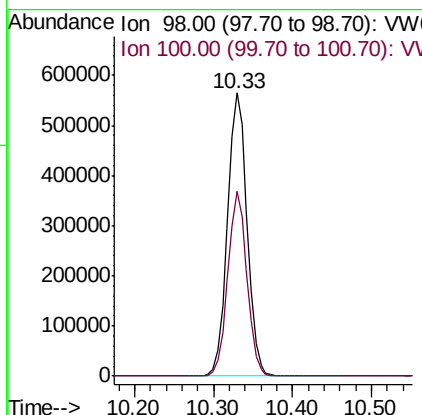
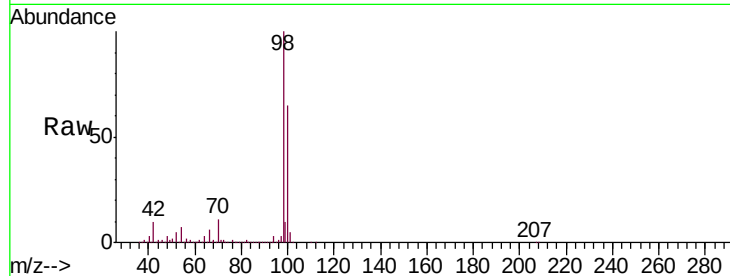




#50
Toluene-d8
Concen: 47.615 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW005145.D
Acq: 05 Sep 2018 22:09

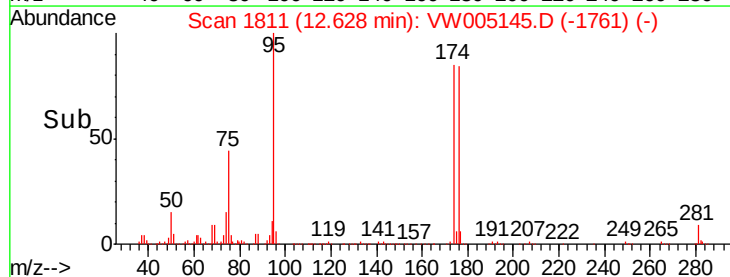
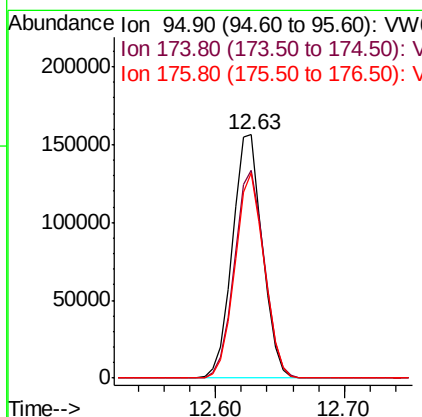
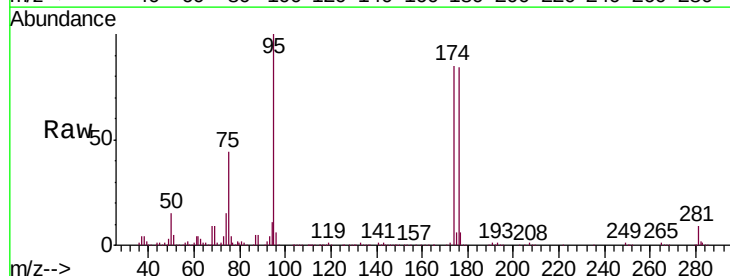
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MSVOA_W
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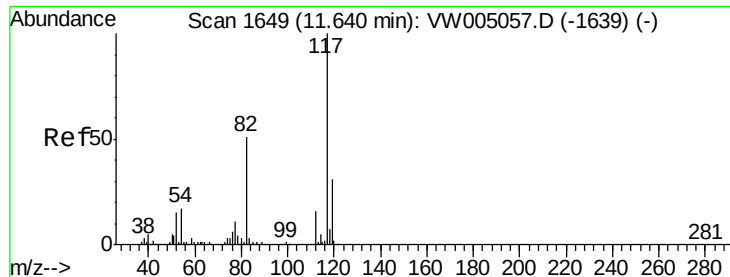
Tgt Ion: 98 Resp: 974059
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 35.171 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW005145.D
Acq: 05 Sep 2018 22:09

Tgt Ion: 95 Resp: 253698
Ion Ratio Lower Upper
95 100
174 85.2 0.0 173.4
176 81.9 0.0 167.4

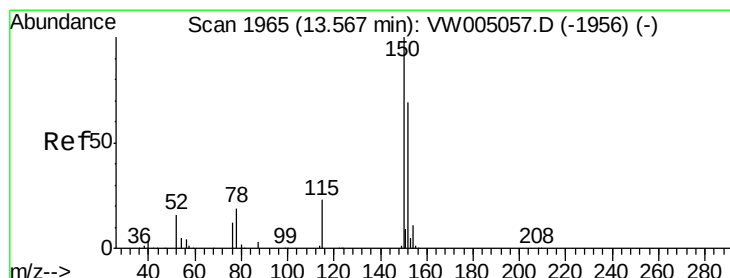
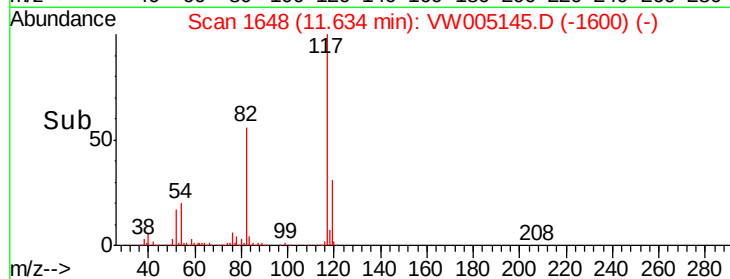
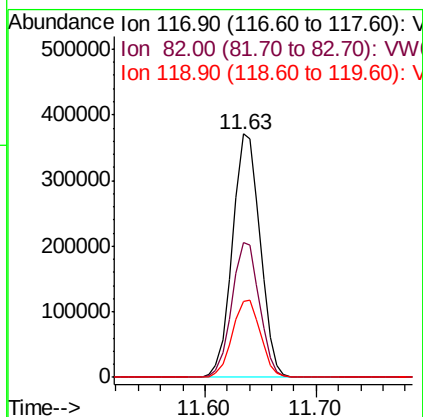
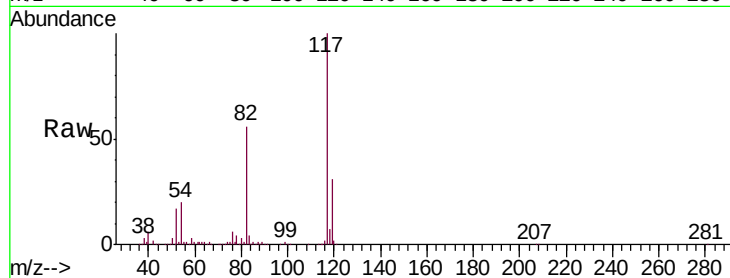




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW005145.D
Acq: 05 Sep 2018 22:09

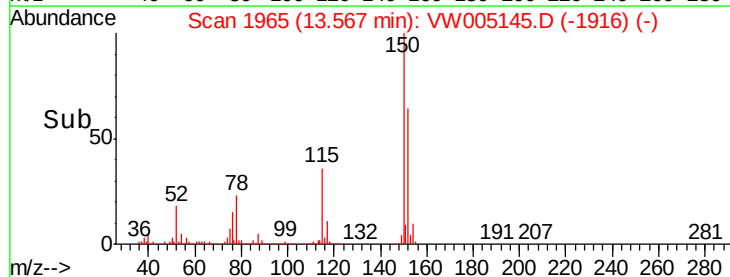
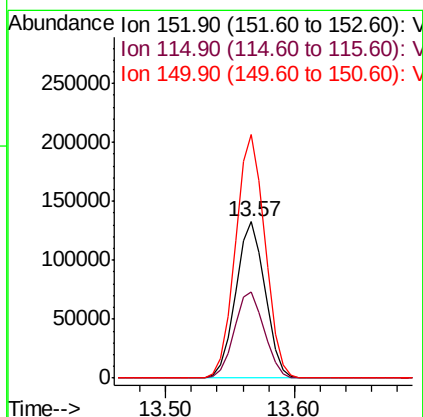
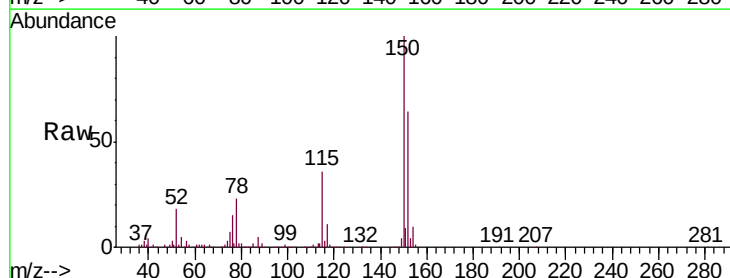
Instrument :
MSVOA_W
ClientSampleId :
DW-08RE

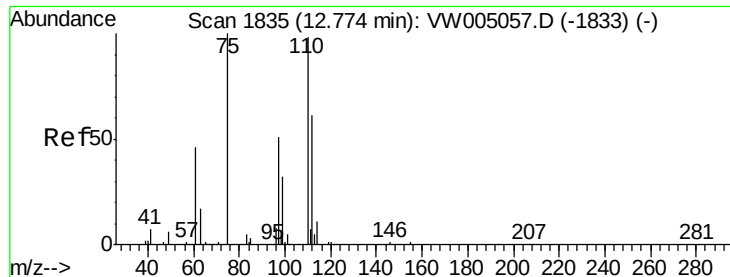
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.6	40.9	61.3
119	31.3	24.9	37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW005145.D
Acq: 05 Sep 2018 22:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	27.8	83.4
150	156.2	0.0	351.4

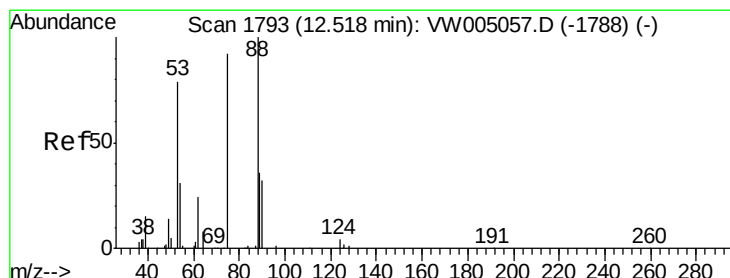
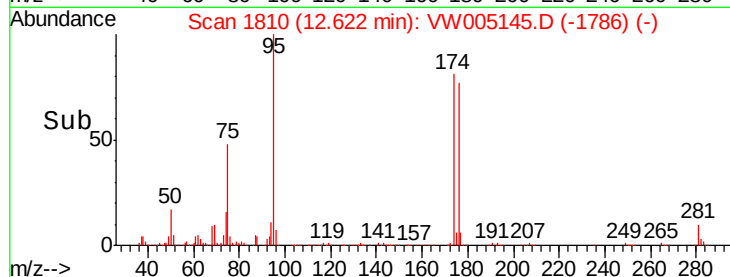
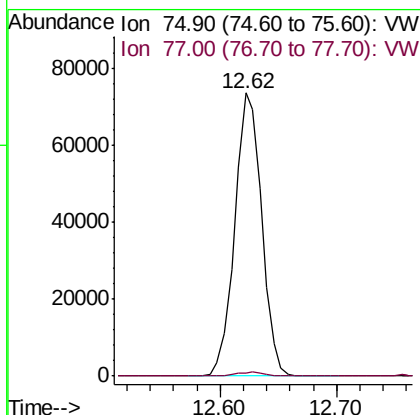
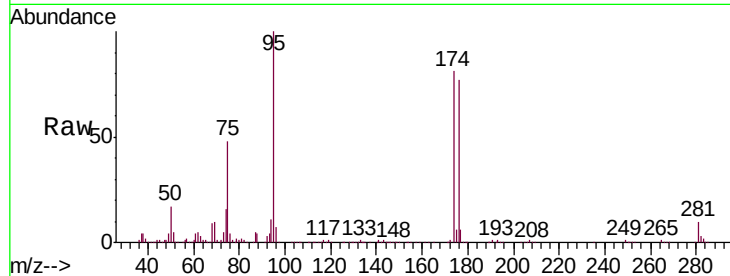




#76
 1,2,3-Trichloropropane
 Concen: 75.420 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW005145.D
 Acq: 05 Sep 2018 22:09

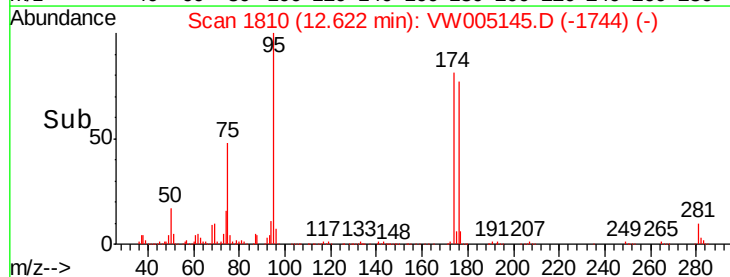
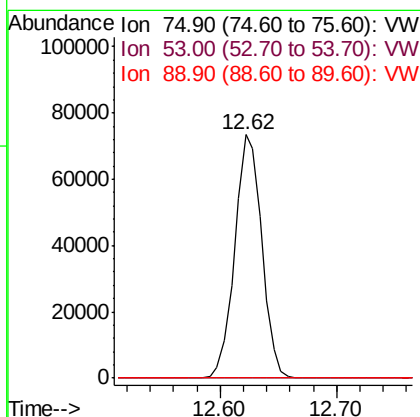
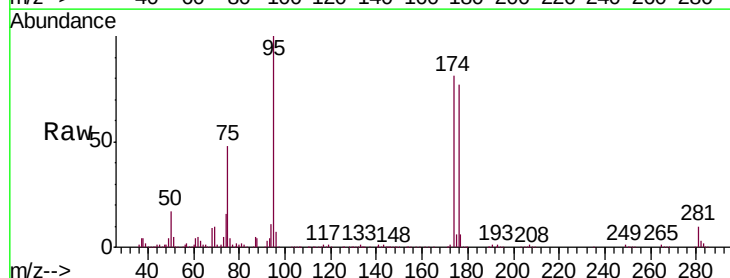
Instrument :
 MSVOA_W
 ClientSampled :
 DW-08RE

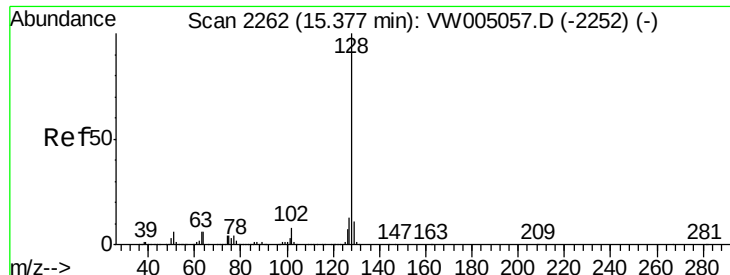
Tgt Ion: 75 Resp: 118549
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 181.529 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW005145.D
 Acq: 05 Sep 2018 22:09

Tgt Ion: 75 Resp: 118549
 Ion Ratio Lower Upper
 75 100
 53 0.3 69.8 104.8#
 89 0.1 36.0 54.0#





#95

Naphthalene

Concen: 4.101 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VW005145.D

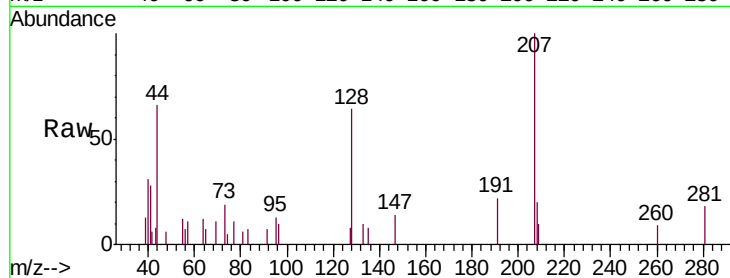
Acq: 05 Sep 2018 22:09

Instrument :

MSVOA_W

ClientSampleId :

DW-08RE



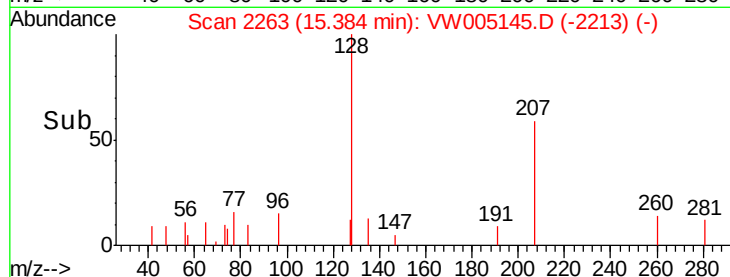
Tgt Ion:128 Resp: 998

Ion Ratio Lower Upper

128 100

127 4.8 10.4 15.6#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

