

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090518\
 Data File : VW005134.D
 Acq On : 05 Sep 2018 17:28
 Operator : SY/AP
 Sample : J4756-01RE
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WE-3RE

Quant Time: Sep 05 18:06:53 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	565431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	888844	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	799135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	314196	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	289952	61.86	ug/l	0.00
Spiked Amount			Recovery	=	123.72%	
35) Dibromofluoromethane	7.89	113	273681	53.28	ug/l	0.00
Spiked Amount			Recovery	=	106.56%	
50) Toluene-d8	10.33	98	1143099	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
62) 4-Bromofluorobenzene	12.62	95	345403	41.39	ug/l	0.00
Spiked Amount			Recovery	=	82.78%	

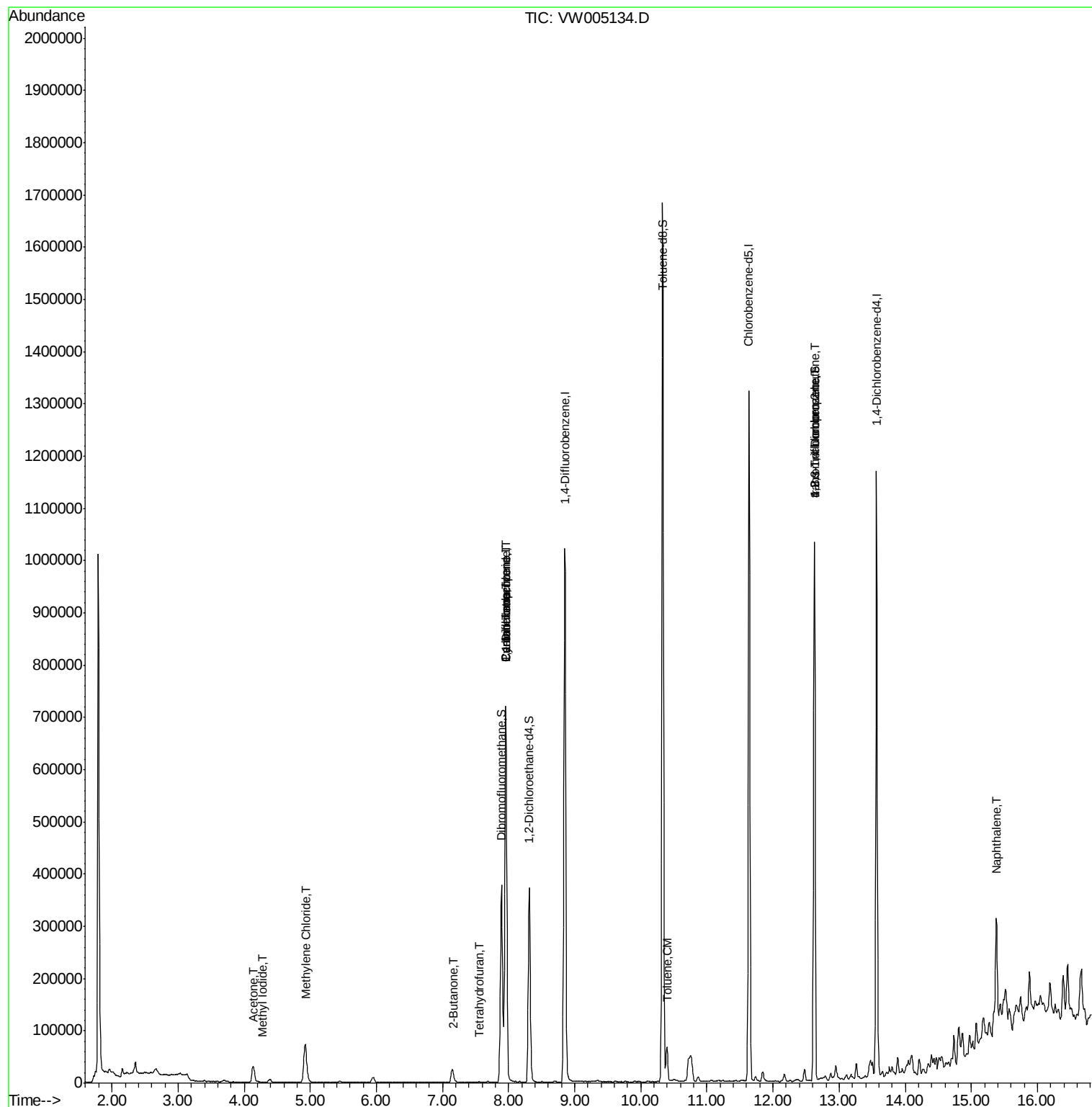
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	597	Below Cal	#	44
10) Methyl Iodide	4.28	142	484	3.88	ug/l #	59
11) Tert butyl alcohol	5.19	59	1279	Below Cal	#	72
16) Acetone	4.14	43	53317	56.72	ug/l	91
20) Methylene Chloride	4.92	84	61482	6.28	ug/l	98
25) 2-Butanone	7.17	43	1740	1.07	ug/l #	46
29) Tetrahydrofuran	7.54	42	1282	1.54	ug/l #	76
31) Cyclohexane	7.95	56	10651	1.16	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	39503	4.67	ug/l #	47
38) Carbon Tetrachloride	7.96	117	51247	6.37	ug/l #	17
52) Toluene	10.40	92	27952	1.59	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	162459	68.88	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	162459	165.80	ug/l #	15
95) Naphthalene	15.38	128	203091	20.48	ug/l	100

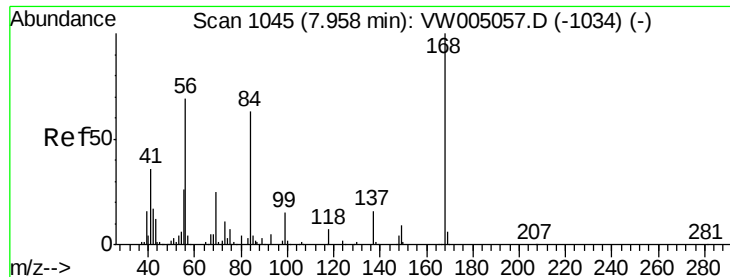
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW005134.D

Acq: 05 Sep 2018 17:28

Instrument :

MSVOA_W

ClientSampleId :

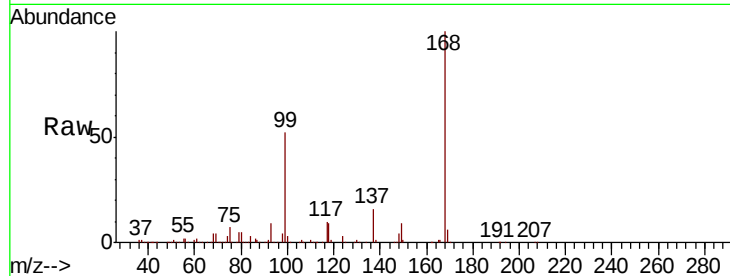
WE-3RE

Tot Ion:168 Resp: 565431

Ion Ratio Lower Upper

168 100

99 51.9 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

250000

200000

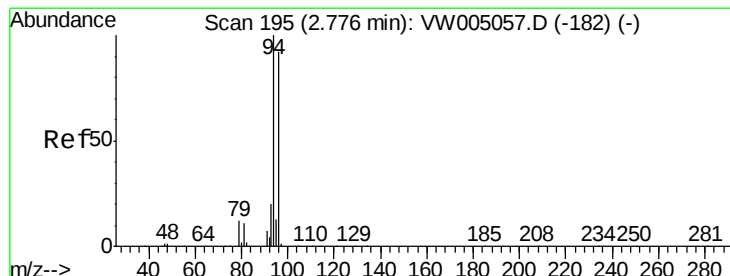
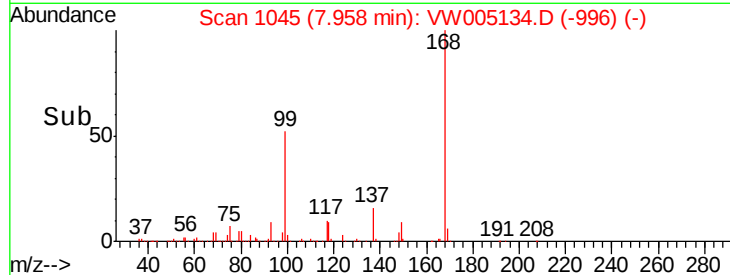
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW005134.D

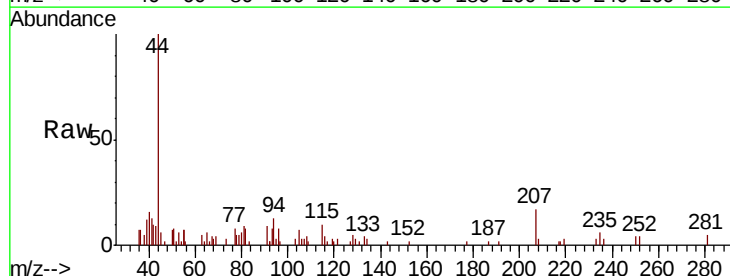
Acq: 05 Sep 2018 17:28

Tgt Ion: 94 Resp: 597

Ion Ratio Lower Upper

94 100

96 38.6 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

500

400

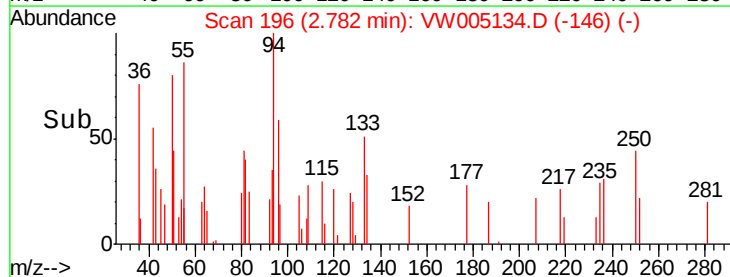
300

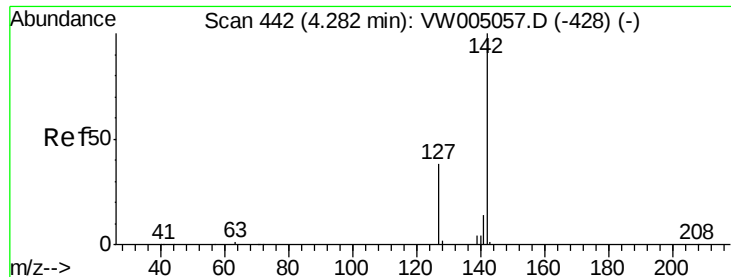
200

100

0

Time--> 2.75 2.80

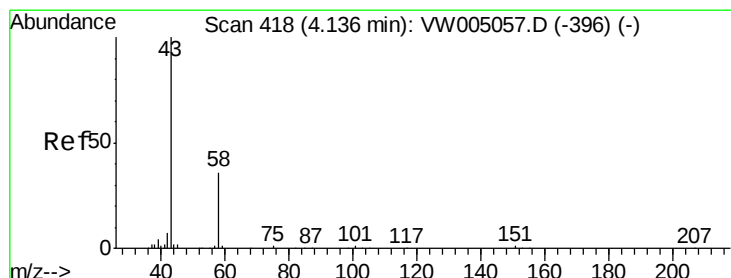
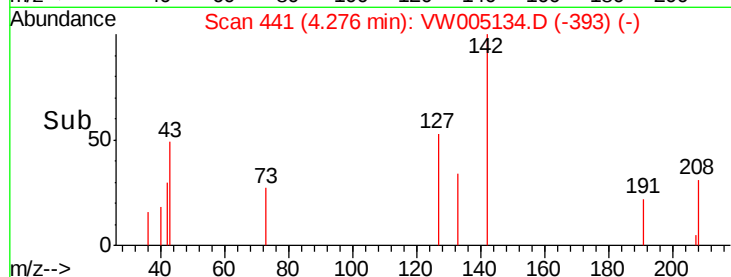
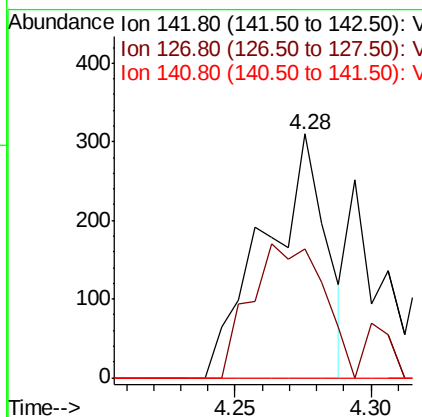
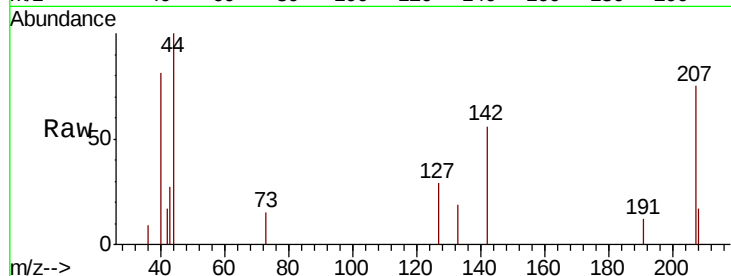




#10
Methvl Iodide
Concen: 3.88 ug/l
RT: 4.28 min Scan# 441
Delta R.T. -0.01 min
Lab File: VW005134.D
Acq: 05 Sep 2018 17:28

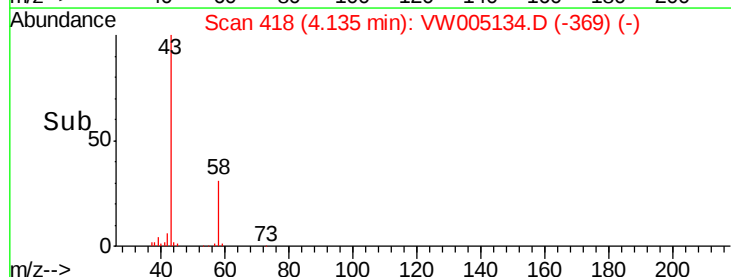
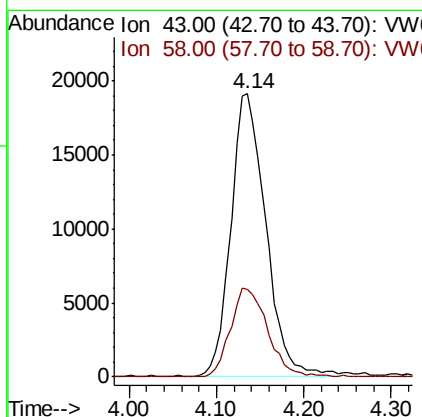
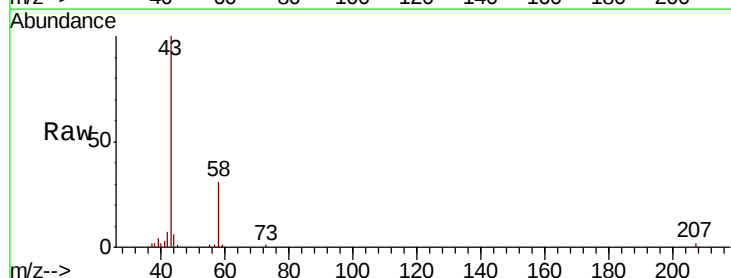
Instrument :
MSVOA_W
ClientSampleId :
WE-3RE

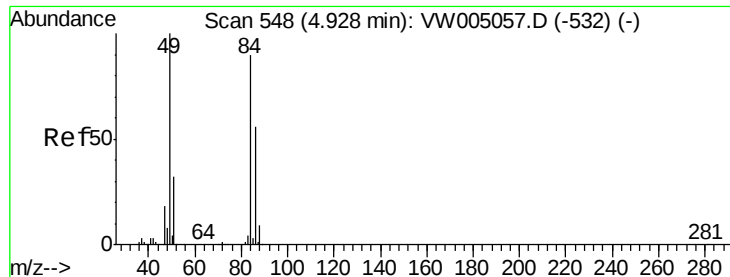
Tot Ion:142 Resp: 484
Ion Ratio Lower Upper
142 100
127 65.1 30.8 46.2#
141 0.0 11.6 17.4#



#16
Acetone
Concen: 56.72 ug/l
RT: 4.14 min Scan# 418
Delta R.T. -0.00 min
Lab File: VW005134.D
Acq: 05 Sep 2018 17:28

Tgt Ion: 43 Resp: 53317
Ion Ratio Lower Upper
43 100
58 31.2 29.0 43.6

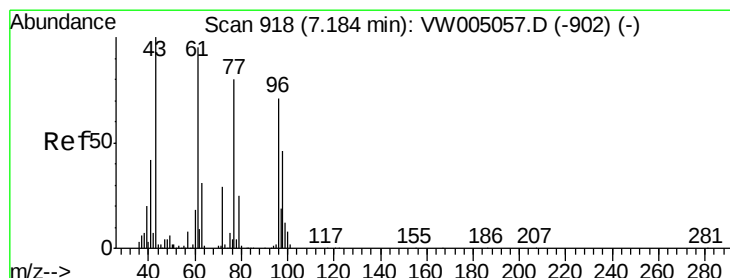
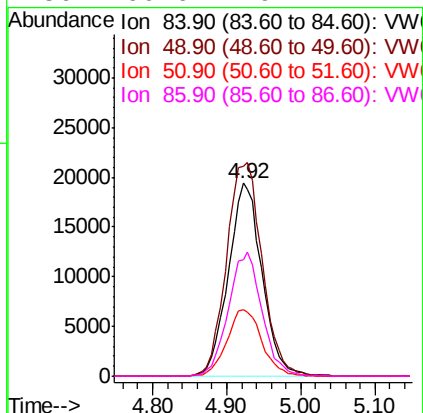
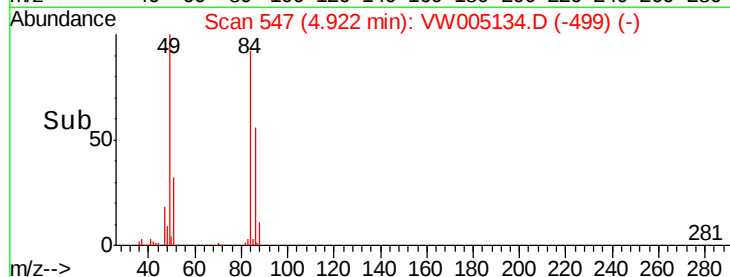
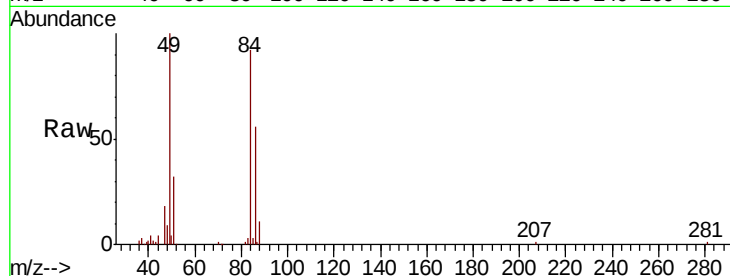




#20
Methvlene Chloride
Concen: 6.28 ug/l
RT: 4.92 min Scan# 547
Delta R.T. -0.01 min
Lab File: VW005134.D
Acq: 05 Sep 2018 17:28

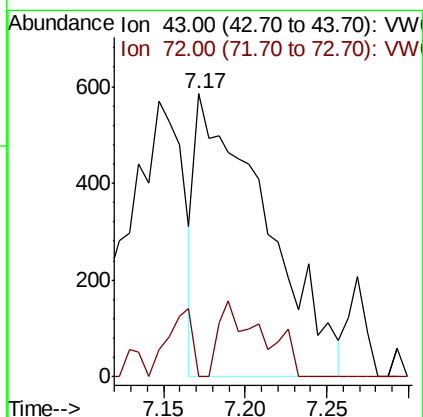
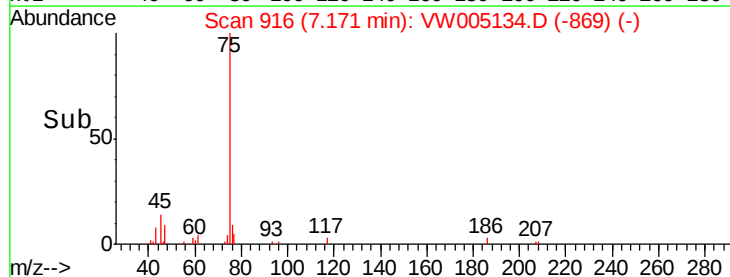
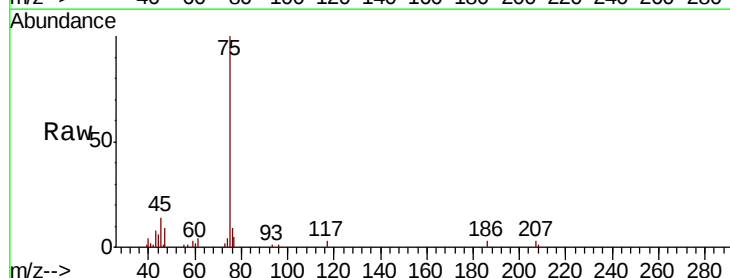
Instrument :
MSVOA_W
ClientSampleId :
WE-3RE

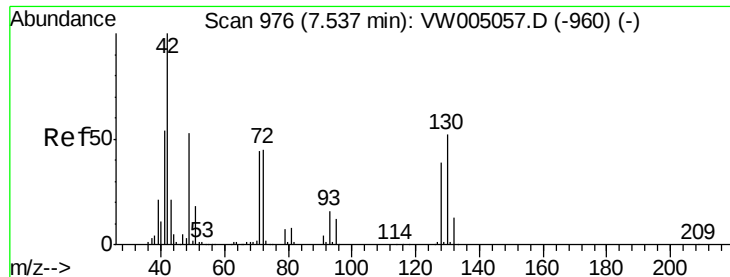
Tot Ion: 84 Resp: 61482
Ion Ratio Lower Upper
84 100
49 108.7 88.7 133.1
51 34.5 28.6 42.8
86 60.6 49.4 74.2



#25
2-Butanone
Concen: 1.07 ug/l
RT: 7.17 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW005134.D
Acq: 05 Sep 2018 17:28

Tgt Ion: 43 Resp: 1740
Ion Ratio Lower Upper
43 100
72 0.0 23.1 34.7#

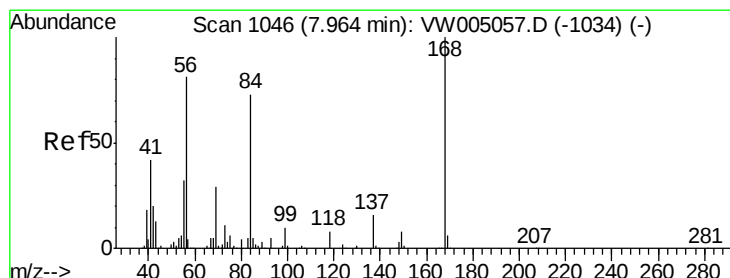
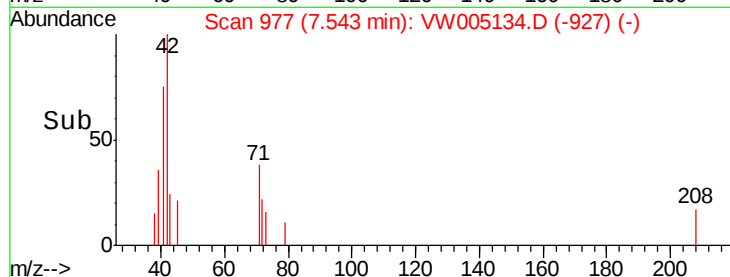
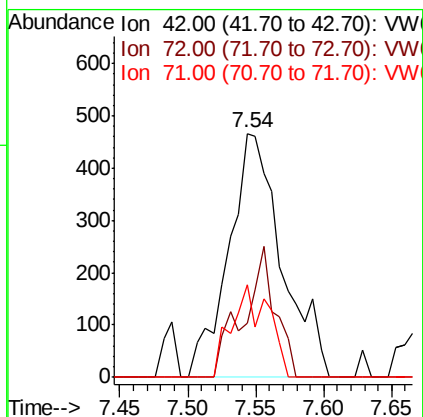
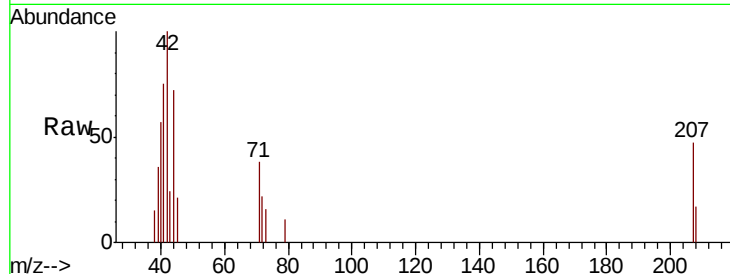




#29
Tetrahydrofuran
Concen: 1.54 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW005134.D
Acq: 05 Sep 2018 17:28

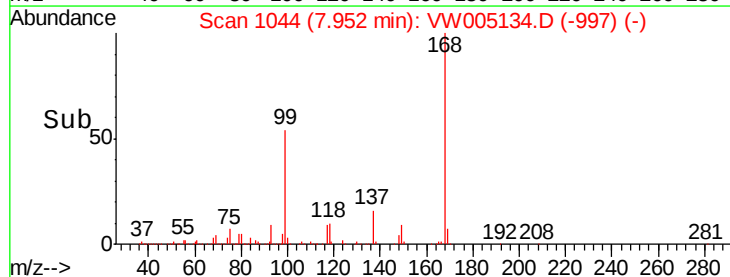
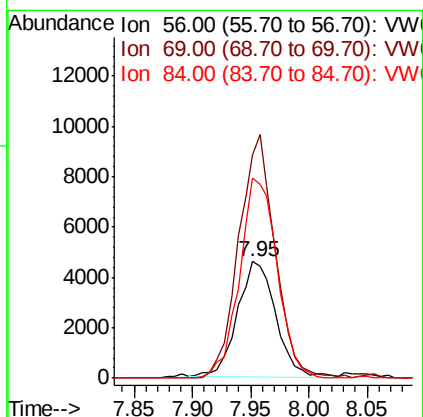
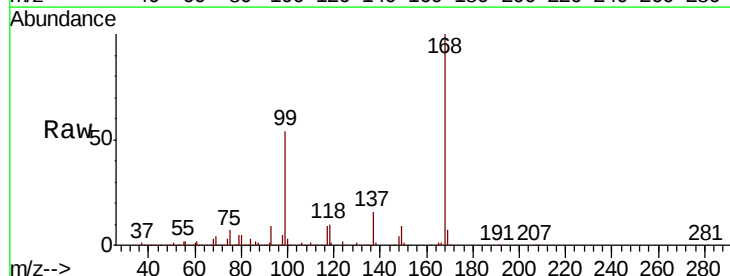
Instrument :
MSVOA_W
ClientSampleId :
WE-3RE

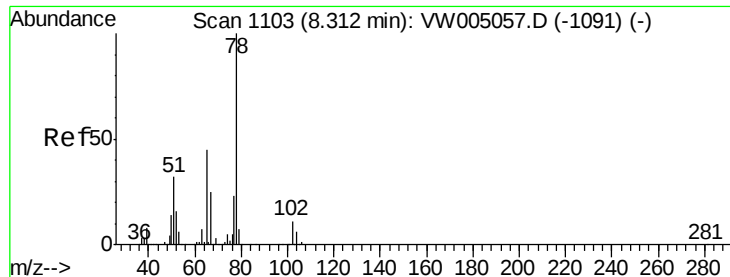
Tot Ion: 42 Resp: 1282
Ion Ratio Lower Upper
42 100
72 32.2 37.0 55.4#
71 26.3 35.0 52.6#



#31
Cyclohexane
Concen: 1.16 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW005134.D
Acq: 05 Sep 2018 17:28

Tgt Ion: 56 Resp: 10651
Ion Ratio Lower Upper
56 100
69 193.7 28.2 42.2#
84 173.3 71.8 107.8#





#33

1,2-Dichloroethane-d4

Concen: 61.86 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW005134.D

Acq: 05 Sep 2018 17:28

Instrument :

MSVOA_W

ClientSampled :

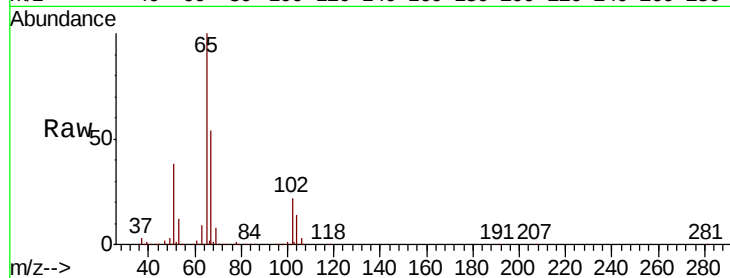
WE-3RE

Tot Ion: 65 Resp: 289952

Ion Ratio Lower Upper

65 100

67 54.8 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

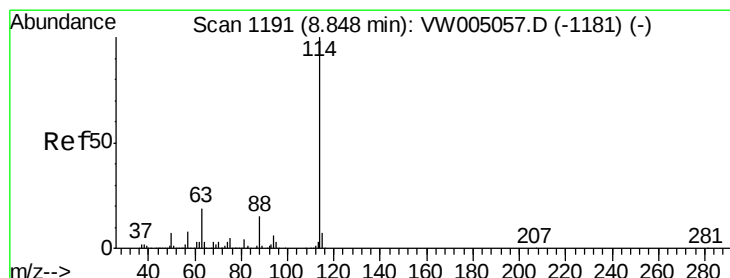
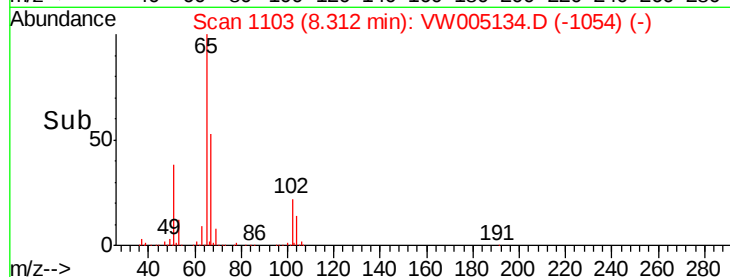
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW005134.D

Acq: 05 Sep 2018 17:28

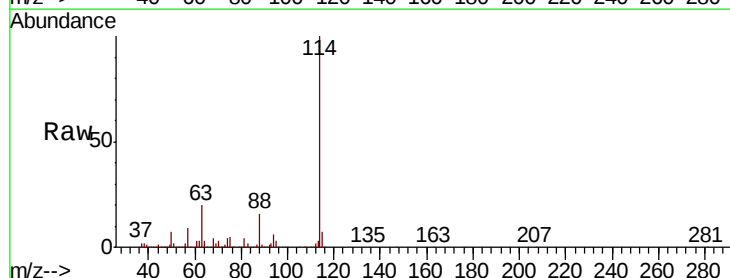
Tgt Ion: 114 Resp: 888844

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.0

88 15.8 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

600000

500000

400000

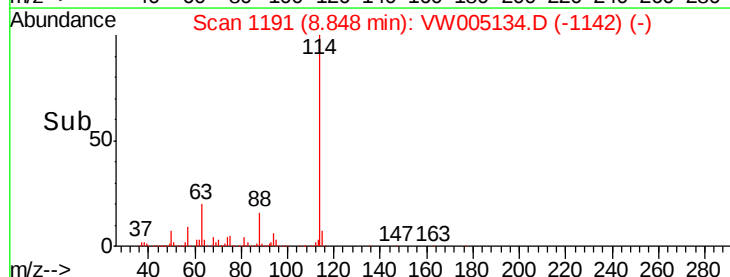
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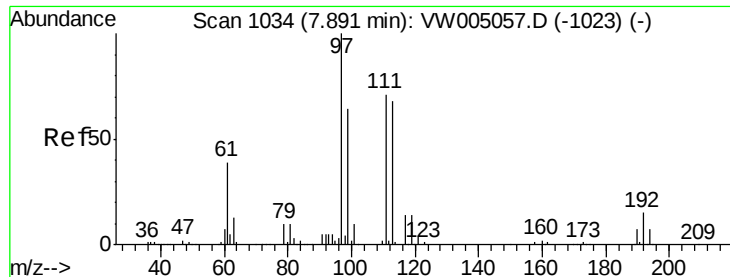
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 53.28 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VW005134.D

Acq: 05 Sep 2018 17:28

Instrument :

MSVOA_W

ClientSampleId :

WE-3RE

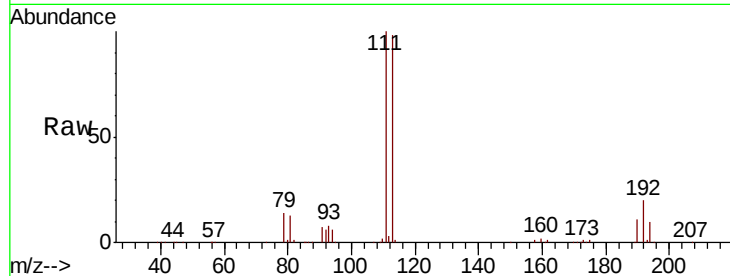
Tot Ion:113 Resp: 273681

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.2

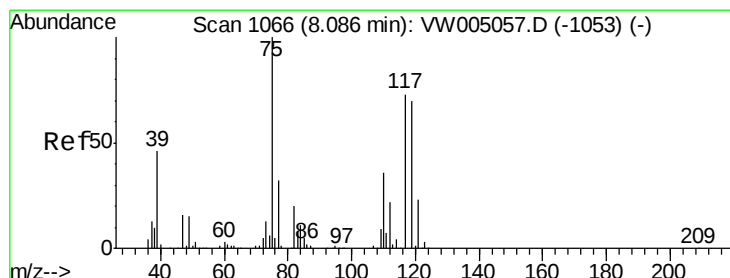
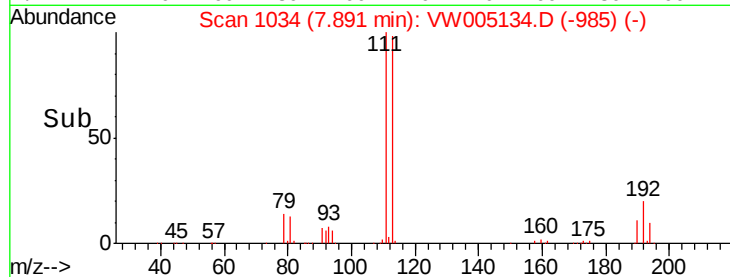
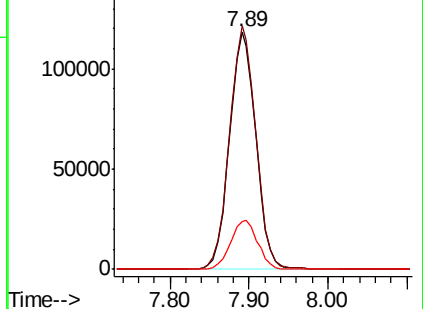
192 21.2 18.1 27.1



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: 4.67 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.13 min

Lab File: VW005134.D

Acq: 05 Sep 2018 17:28

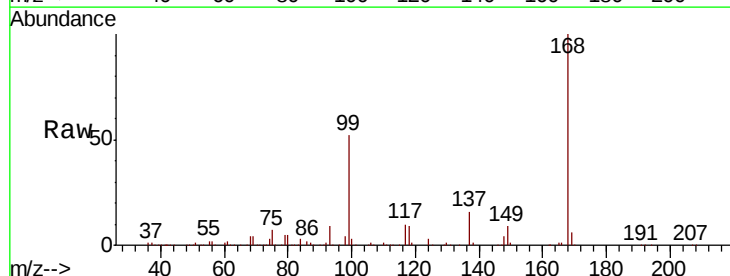
Tgt Ion: 75 Resp: 39503

Ion Ratio Lower Upper

75 100

110 7.9 18.9 56.7#

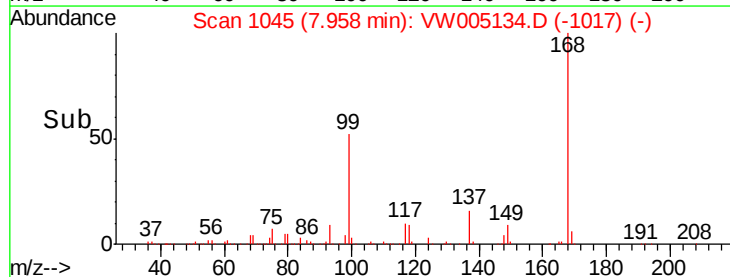
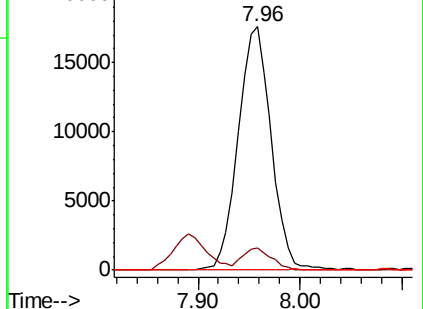
77 0.2 25.5 38.3#

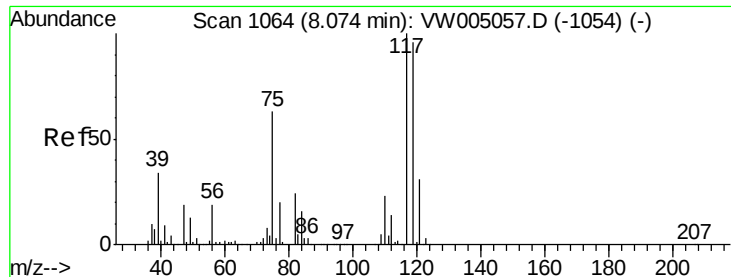


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.37 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.12 min

Lab File: VW005134.D

Acq: 05 Sep 2018 17:28

Instrument :

MSVOA_W

ClientSampled :

WE-3RE

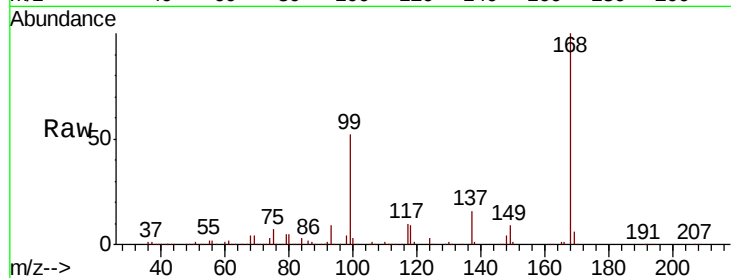
Tot Ion:117 Resp: 51247

Ion Ratio Lower Upper

117 100

119 5.9 76.6 115.0#

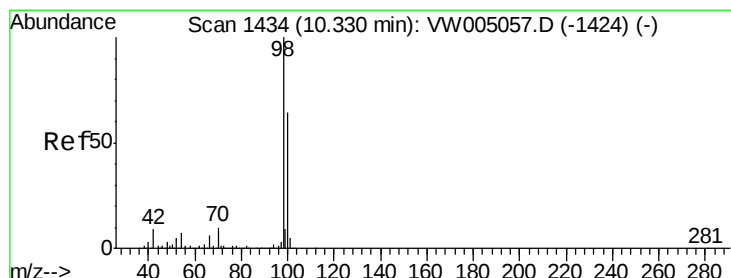
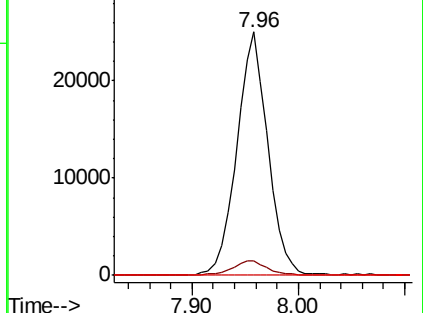
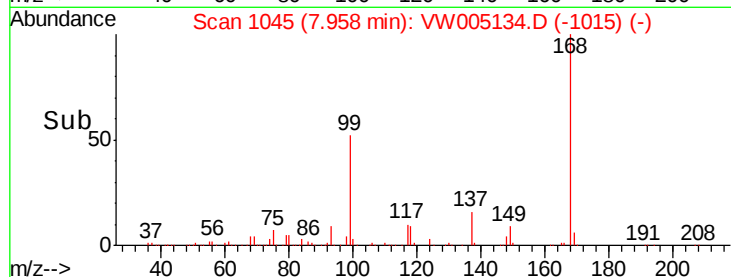
121 0.0 24.8 37.2#



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: 48.30 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW005134.D

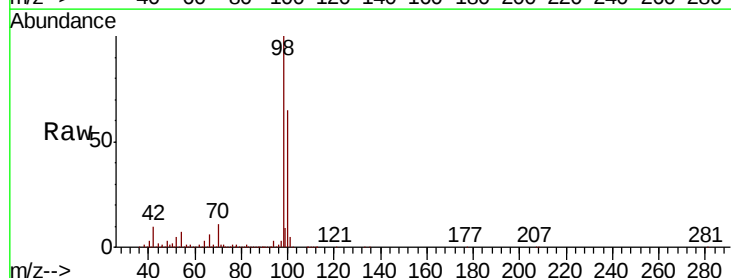
Acq: 05 Sep 2018 17:28

Tgt Ion: 98 Resp: 1143099

Ion Ratio Lower Upper

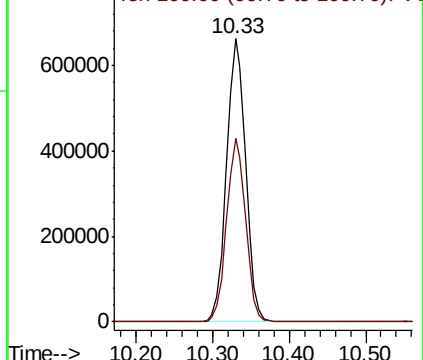
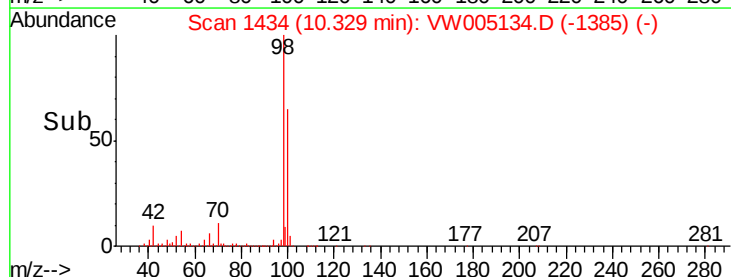
98 100

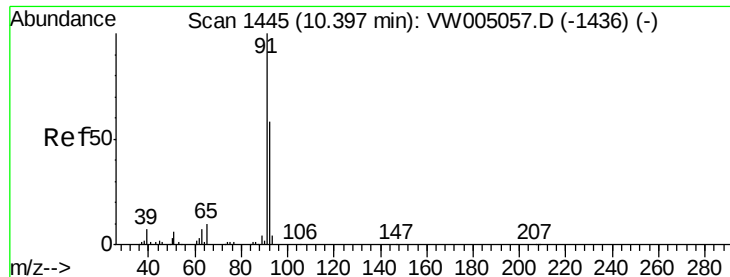
100 64.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.59 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VW005134.D

Acq: 05 Sep 2018 17:28

Instrument :

MSVOA_W

ClientSampleId :

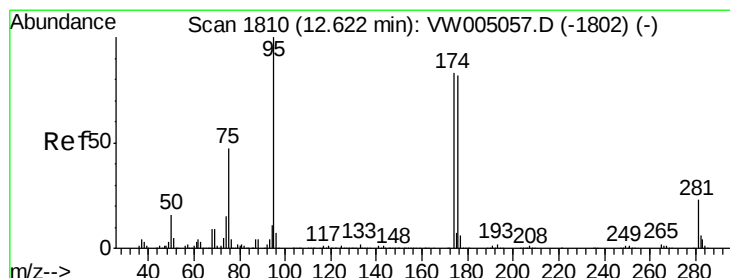
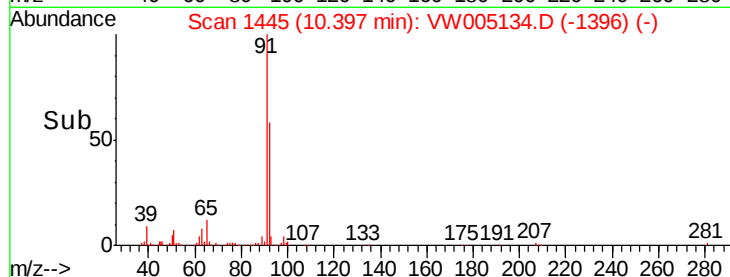
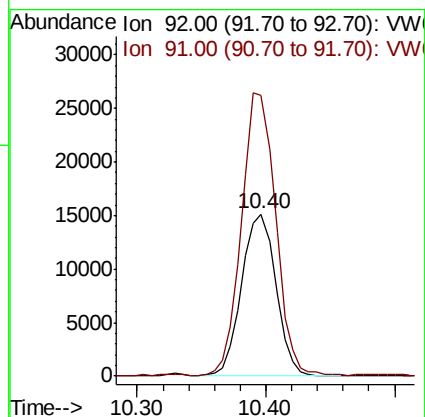
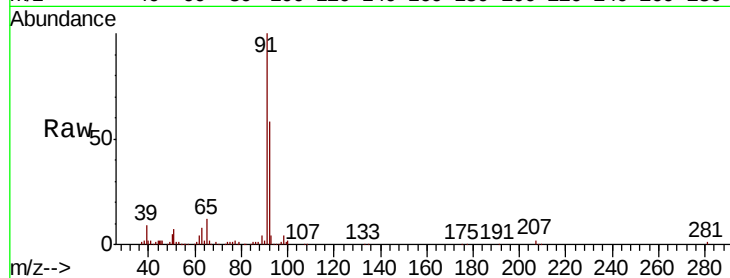
WE-3RE

Tot Ion: 92 Resp: 27952

Ion Ratio Lower Upper

92 100

91 173.0 139.2 208.8



#62

4-Bromofluorobenzene

Concen: 41.39 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW005134.D

Acq: 05 Sep 2018 17:28

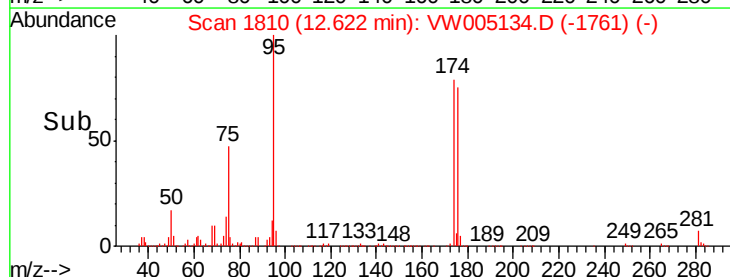
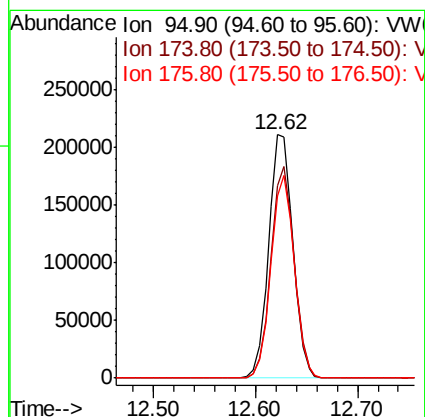
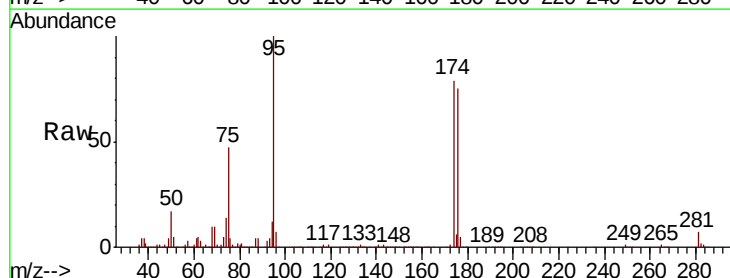
Tgt Ion: 95 Resp: 345403

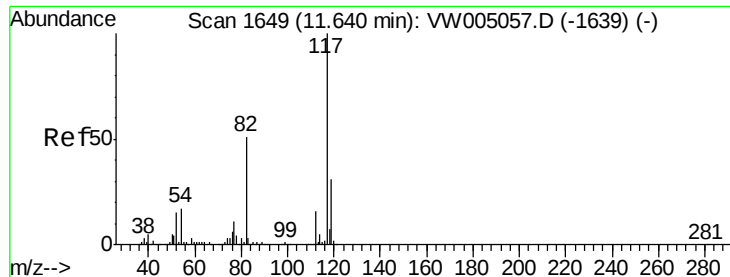
Ion Ratio Lower Upper

95 100

174 83.8 0.0 173.4

176 80.4 0.0 167.4

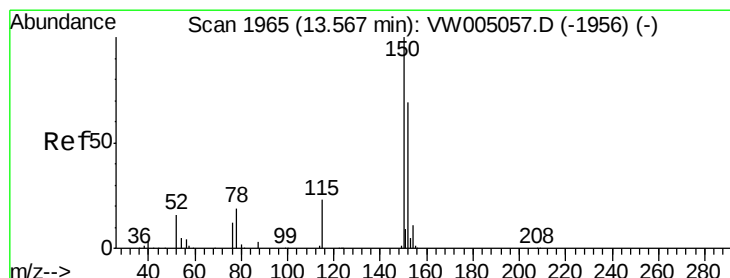
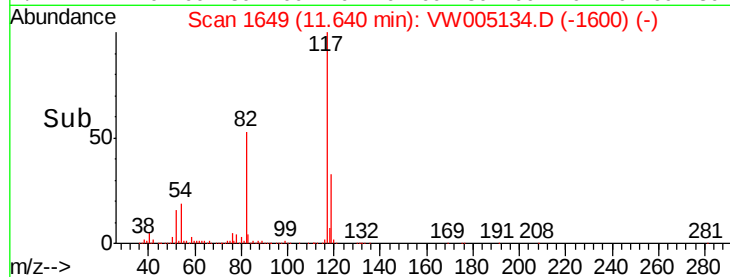
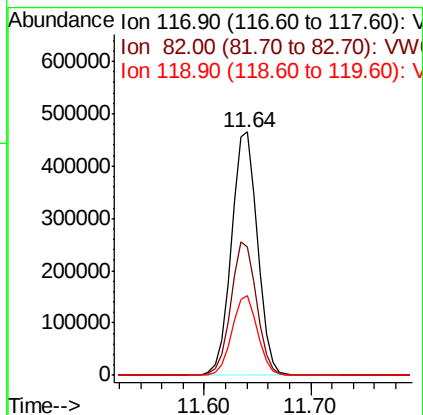
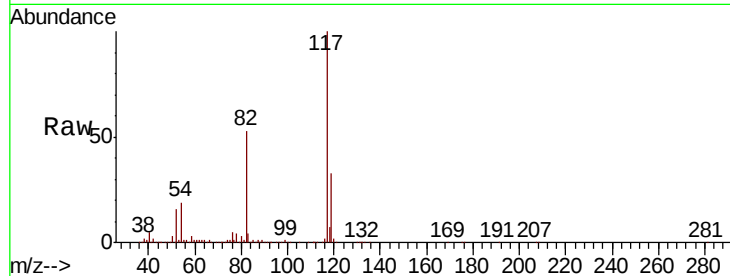




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW005134.D
Acq: 05 Sep 2018 17:28

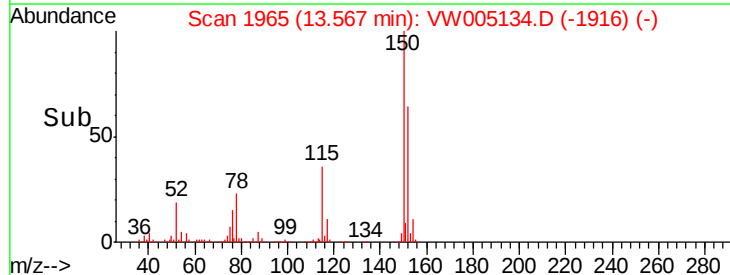
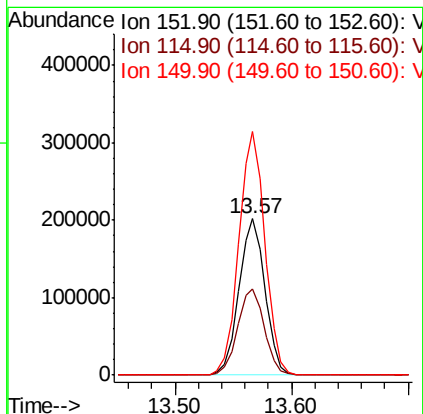
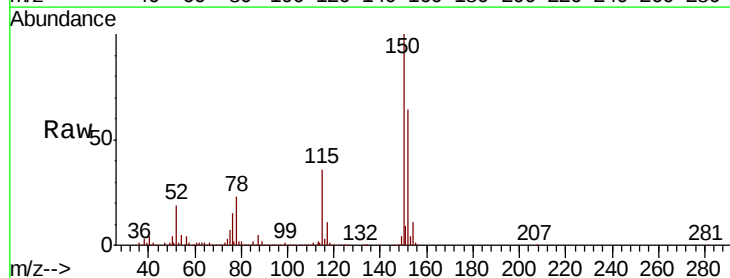
Instrument :
MSVOA_W
ClientSampleId :
WE-3RE

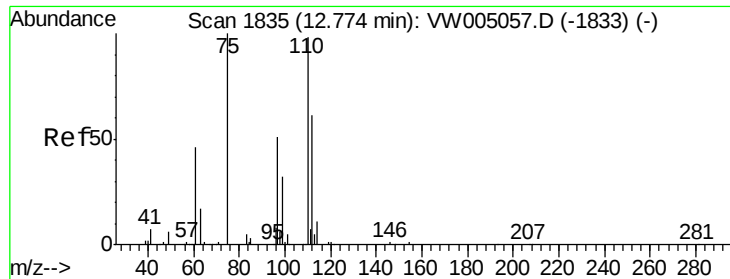
Tot Ion:117 Resp: 799135
Ion Ratio Lower Upper
117 100
82 52.8 40.9 61.3
119 32.6 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW005134.D
Acq: 05 Sep 2018 17:28

Tgt Ion:152 Resp: 314196
Ion Ratio Lower Upper
152 100
115 56.8 27.8 83.4
150 156.0 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 68.88 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW005134.D

Acq: 05 Sep 2018 17:28

Instrument :

MSVOA_W

ClientSampled :

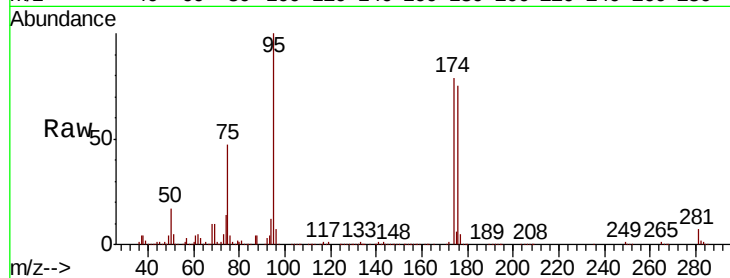
WE-3RE

Tot Ion: 75 Resp: 162459

Ion Ratio Lower Upper

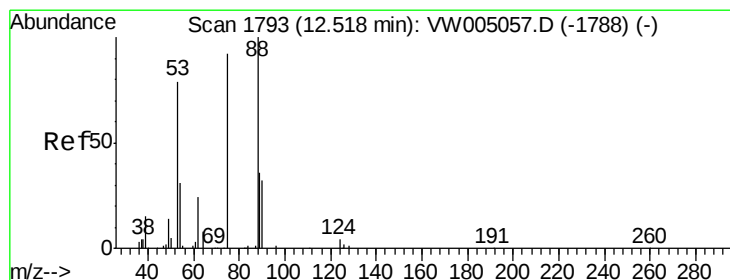
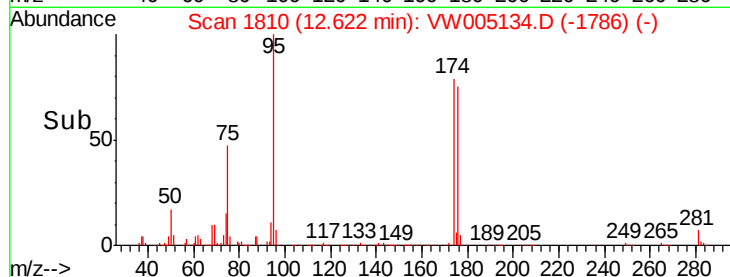
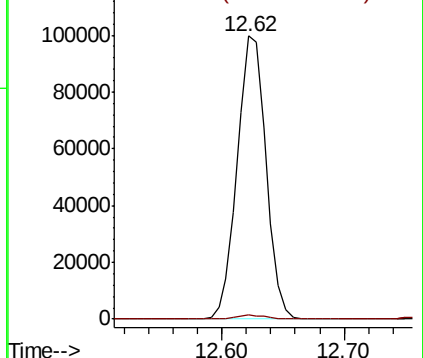
75 100

77 1.6 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: 165.80 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW005134.D

Acq: 05 Sep 2018 17:28

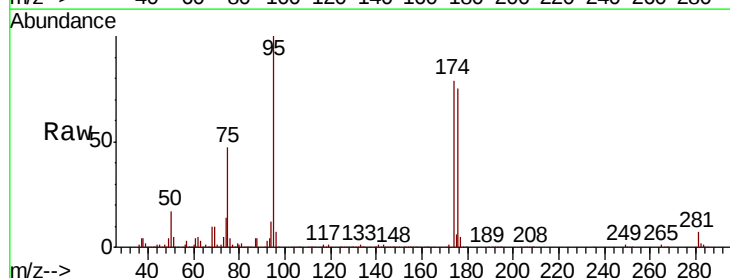
Tgt Ion: 75 Resp: 162459

Ion Ratio Lower Upper

75 100

53 0.3 69.8 104.8#

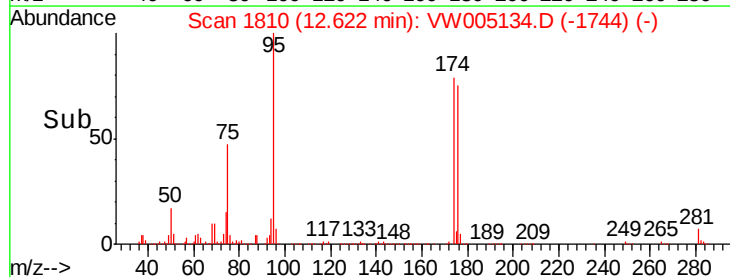
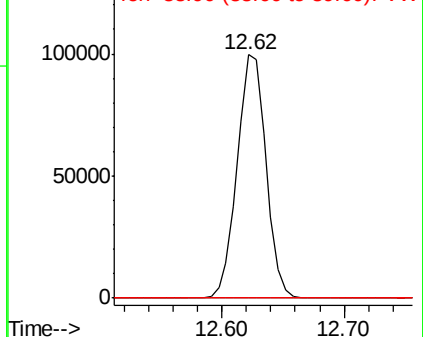
89 0.0 36.0 54.0#

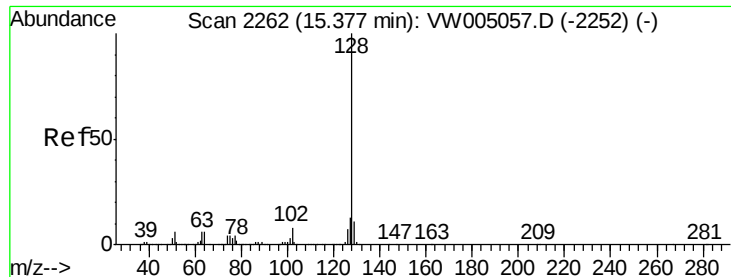


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

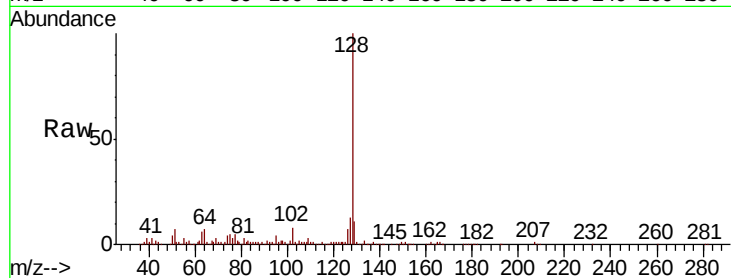




#95
 Naphthalene
 Concen: 20.48 ug/l
 RT: 15.38 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VW005134.D
 Acq: 05 Sep 2018 17:28

Instrument :
 MSVOA_W
 ClientSampleId :
 WE-3RE

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	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

