

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW090518\
 Data File : VW005135.D
 Acq On : 05 Sep 2018 17:53
 Operator : SY/AP
 Sample : J4756-02RE
 Misc : 4.34G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WE-4RE

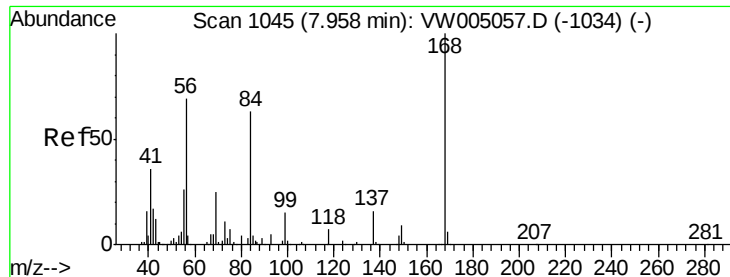
Quant Time: Sep 06 12:09:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	562340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	889354	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	874768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	408043	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	305627	65.56	ug/l	0.00
Spiked Amount			Recovery	=	131.12%	
35) Dibromofluoromethane	7.90	113	7367	1.43	ug/l	0.00
Spiked Amount			Recovery	=	2.86%	
50) Toluene-d8	10.33	98	1263192	53.34	ug/l	0.00
Spiked Amount			Recovery	=	106.68%	
62) 4-Bromofluorobenzene	12.62	95	451108	54.02	ug/l	0.00
Spiked Amount			Recovery	=	108.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	634	Below Cal	#	28
10) Methyl Iodide	4.28	142	590	3.89	ug/l #	77
11) Tert butyl alcohol	5.20	59	2039	Below Cal		98
16) Acetone	4.14	43	156400	167.30	ug/l	98
20) Methylene Chloride	4.92	84	44946	3.50	ug/l	96
25) 2-Butanone	7.18	43	23448	14.46	ug/l	100
29) Tetrahydrofuran	7.56	42	1458	1.76	ug/l #	87
31) Cyclohexane	7.95	56	10794	1.18	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	39585	4.67	ug/l #	48
37) Ethyl Acetate	7.18	43	23448	7.40	ug/l #	67
38) Carbon Tetrachloride	7.95	117	51037	6.34	ug/l #	17
74) N-amyl acetate	12.24	43	5785	1.17	ug/l #	40
76) 1,2,3-Trichloropropane	12.62	75	210405	68.70	ug/l #	100
77) Bromobenzene	12.91	156	7989	1.13	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	210405	165.34	ug/l #	15
95) Naphthalene	15.38	128	9310	4.56	ug/l #	82

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW005135.D

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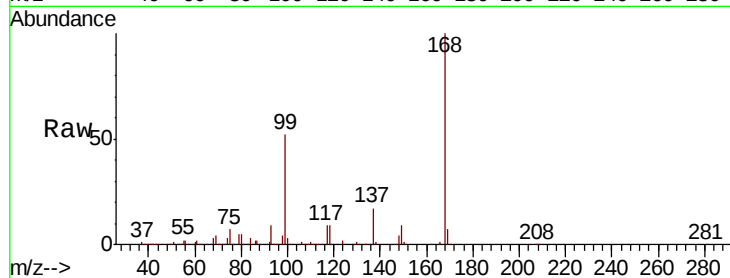
WE-4RE

Tot Ion:168 Resp: 562340

Ion Ratio Lower Upper

168 100

99 51.9 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

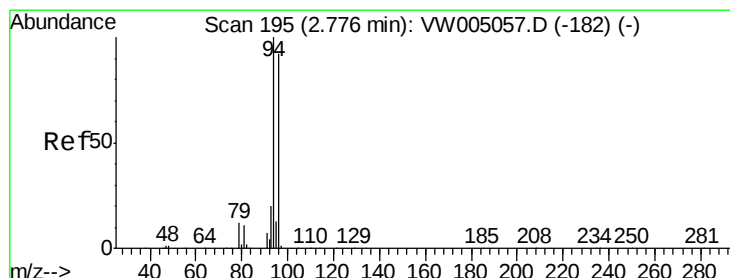
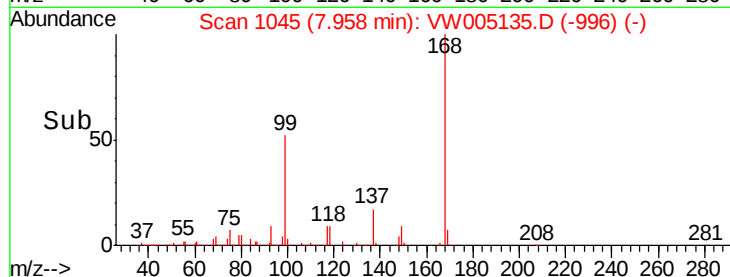
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 195

Delta R.T. -0.00 min

Lab File: VW005135.D

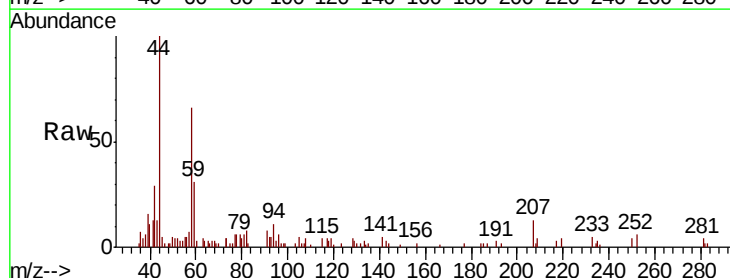
Acq: 05 Sep 2018 17:53

Tgt Ion: 94 Resp: 634

Ion Ratio Lower Upper

94 100

96 22.7 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

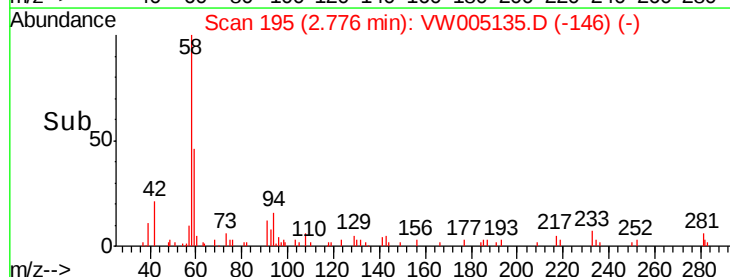
300

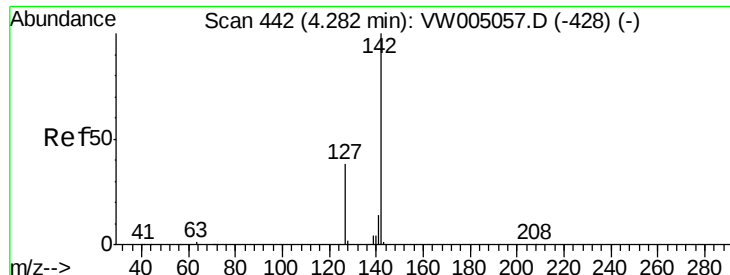
200

100

0

Time--> 2.70 2.75 2.80

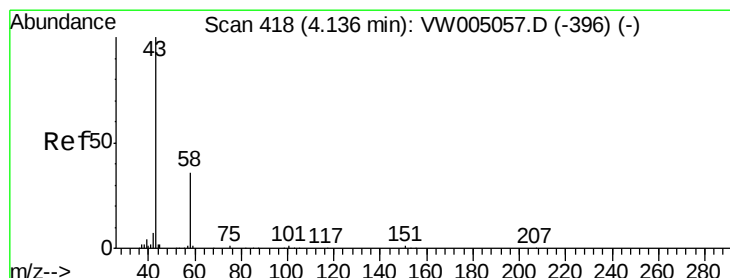
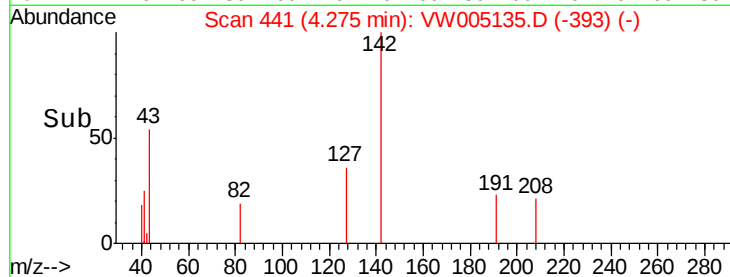
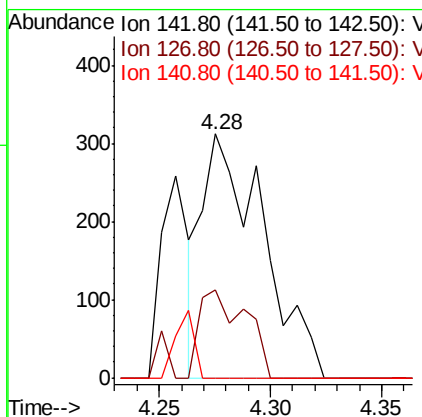
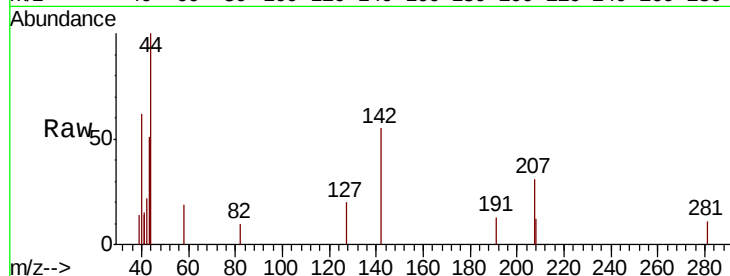




#10
Methvl Iodide
Concen: 3.89 ug/l
RT: 4.28 min Scan# 441
Delta R.T. -0.01 min
Lab File: VW005135.D
Acq: 05 Sep 2018 17:53

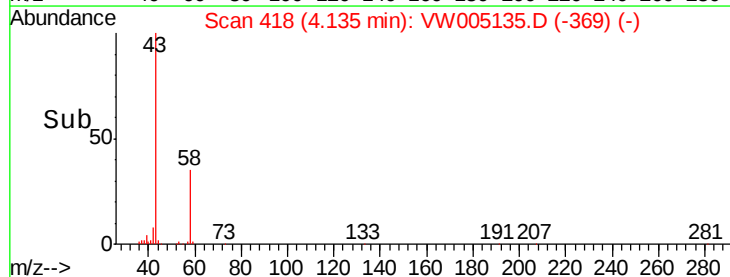
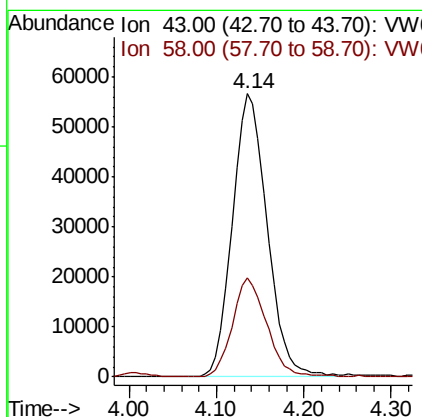
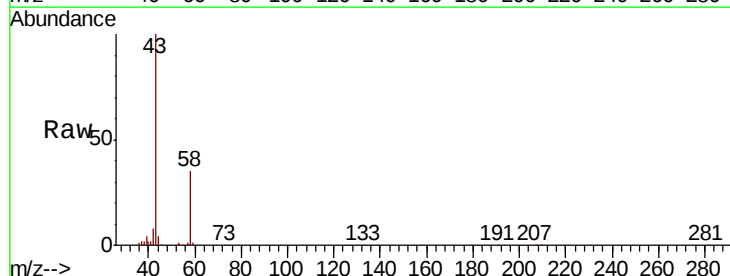
Instrument :
MSVOA_W
ClientSampleId :
WE-4RE

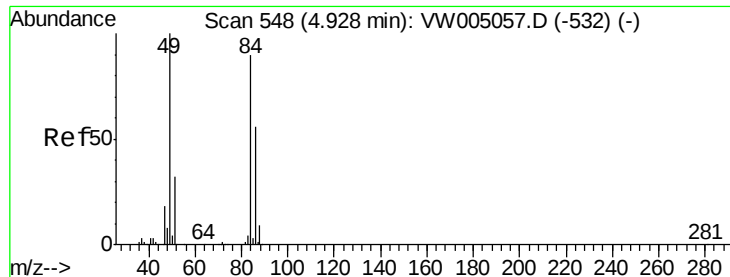
Tot Ion:142 Resp: 590
Ion Ratio Lower Upper
142 100
127 27.6 30.8 46.2#
141 0.0 11.6 17.4#



#16
Acetone
Concen: 167.30 ug/l
RT: 4.14 min Scan# 418
Delta R.T. -0.00 min
Lab File: VW005135.D
Acq: 05 Sep 2018 17:53

Tgt Ion: 43 Resp: 156400
Ion Ratio Lower Upper
43 100
58 34.9 29.0 43.6

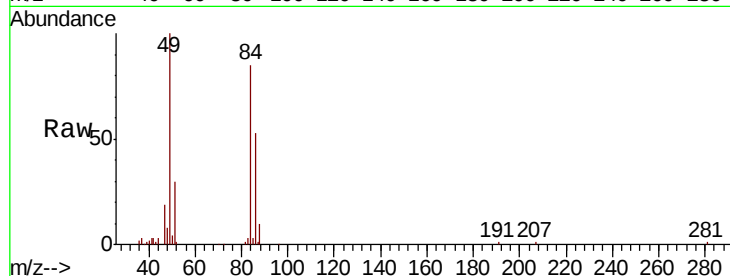




#20
Methylene Chloride
Concen: 3.50 ug/l
RT: 4.92 min Scan# 547
Delta R.T. -0.01 min
Lab File: VW005135.D
Acq: 05 Sep 2018 17:53

Instrument :
MSVOA_W
ClientSampleId :
WE-4RE

Tot Ion:	84	Resp:	44946
Ion	Ratio	Lower	Upper
84	100		
49	118.0	88.7	133.1
51	35.9	28.6	42.8
86	62.6	49.4	74.2



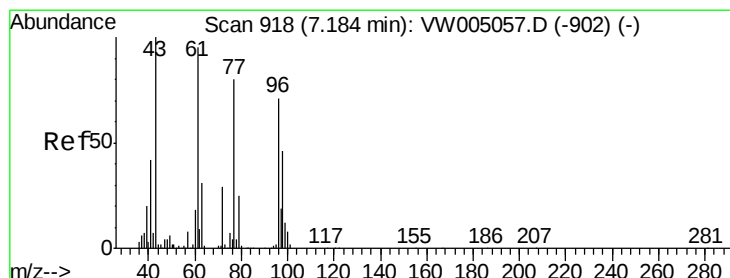
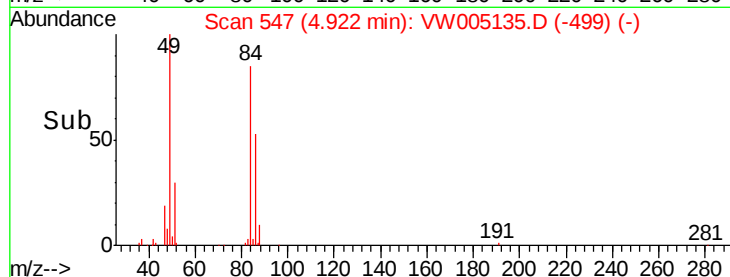
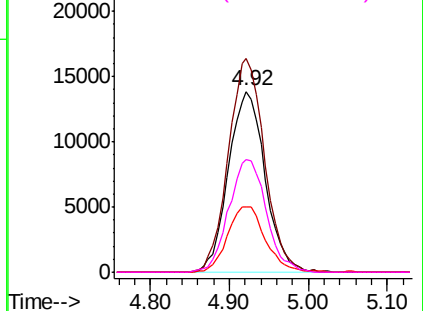
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

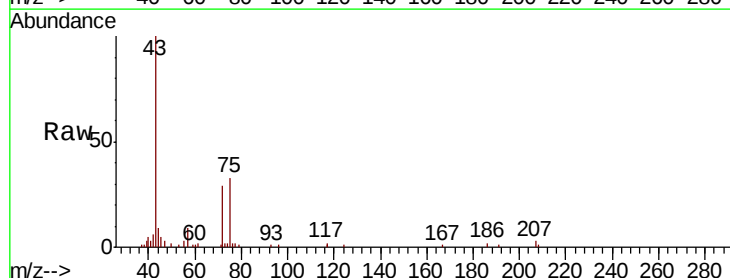
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 14.46 ug/l
RT: 7.18 min Scan# 918
Delta R.T. -0.00 min
Lab File: VW005135.D
Acq: 05 Sep 2018 17:53

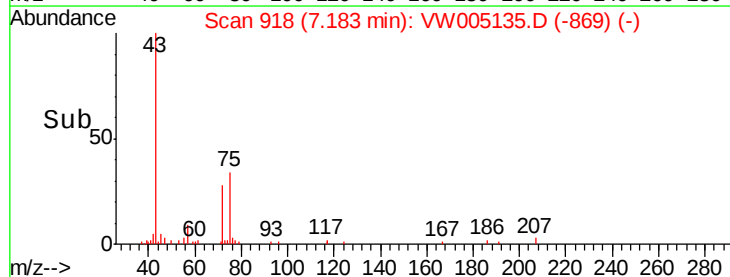
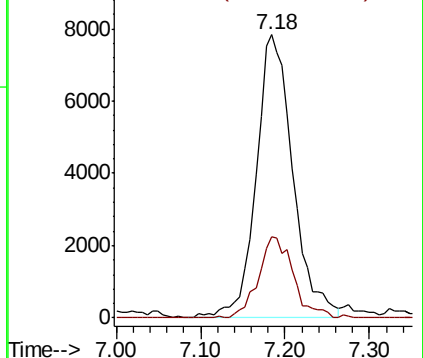
Tgt Ion:	43	Resp:	23448
Ion	Ratio	Lower	Upper
43	100		
72	28.8	23.1	34.7

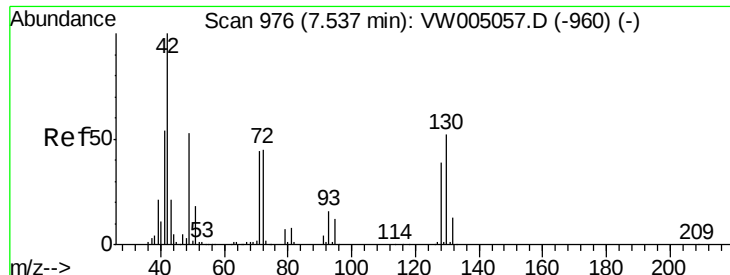


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 1.76 ug/l

RT: 7.56 min Scan# 979

Delta R.T. 0.02 min

Lab File: VW005135.D

Acq: 05 Sep 2018 17:53

Instrument :

MSVOA_W

ClientSampleId :

WE-4RE

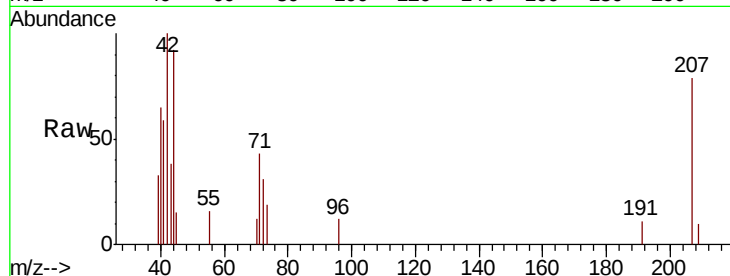
Tot Ion: 42 Resp: 1458

Ion Ratio Lower Upper

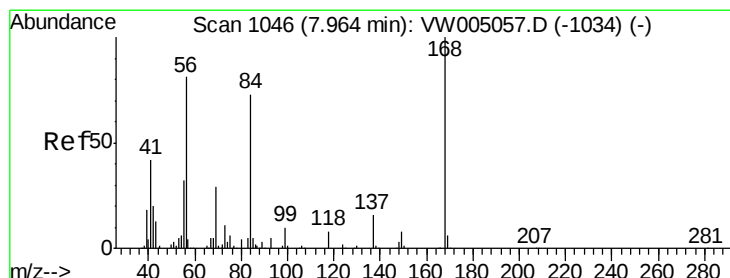
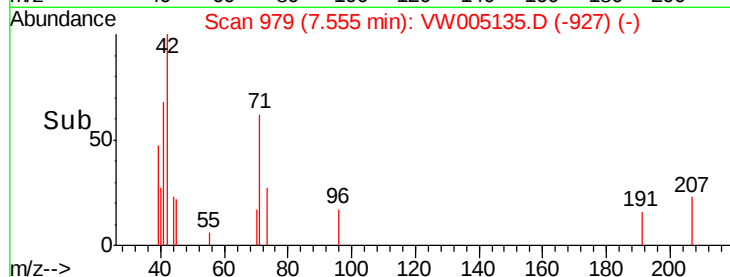
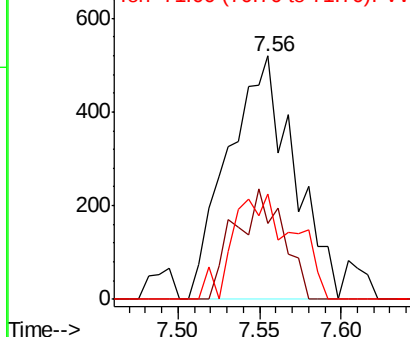
42 100

72 32.9 37.0 55.4#

71 40.0 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: 1.18 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW005135.D

Acq: 05 Sep 2018 17:53

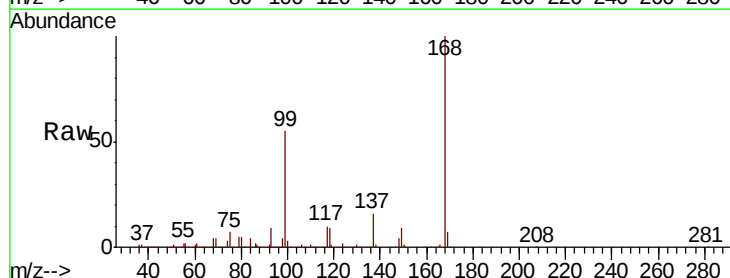
Tgt Ion: 56 Resp: 10794

Ion Ratio Lower Upper

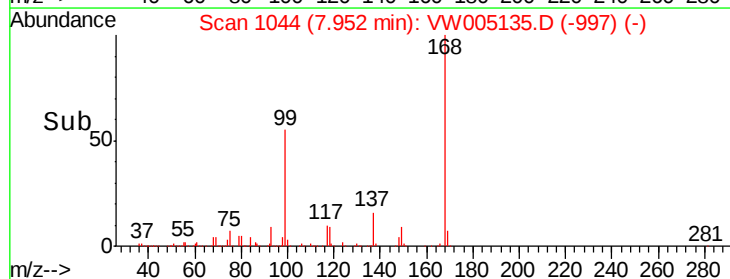
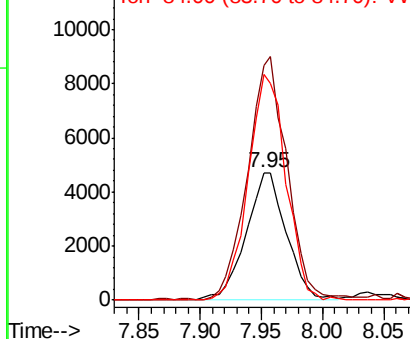
56 100

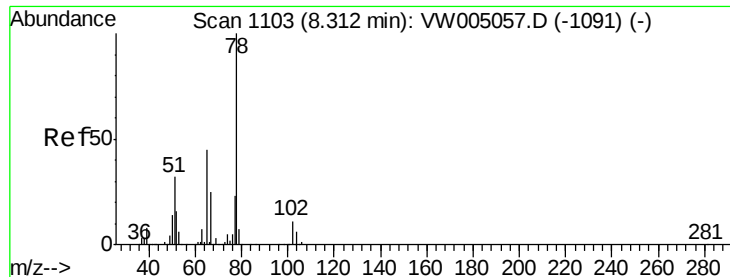
69 182.7 28.2 42.2#

84 177.0 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

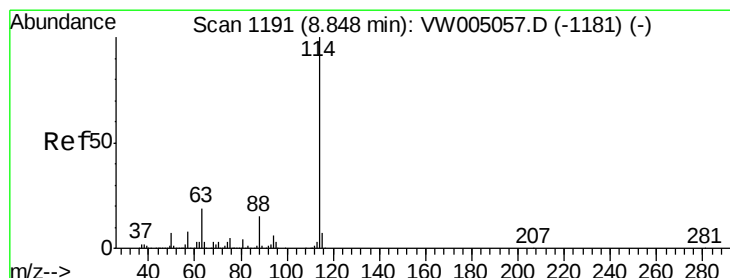
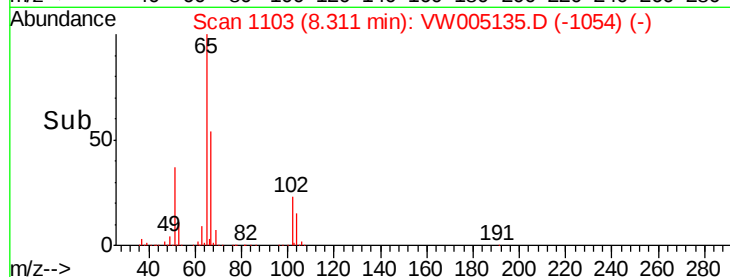
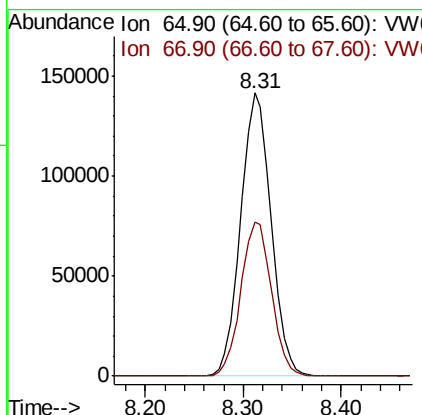
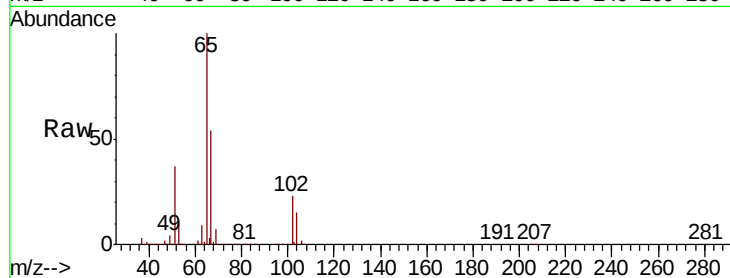




#33
 1,2-Dichloroethane-d4
 Concen: 65.56 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW005135.D
 Acq: 05 Sep 2018 17:53

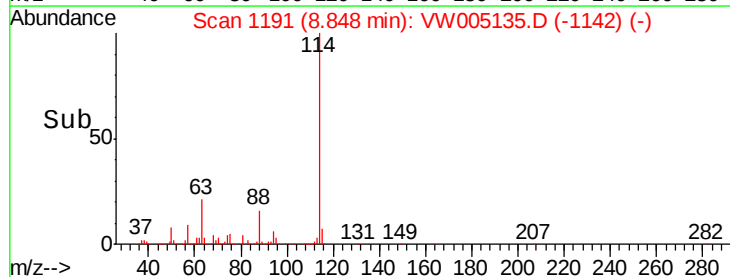
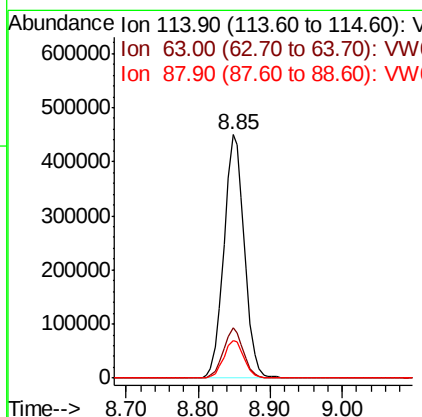
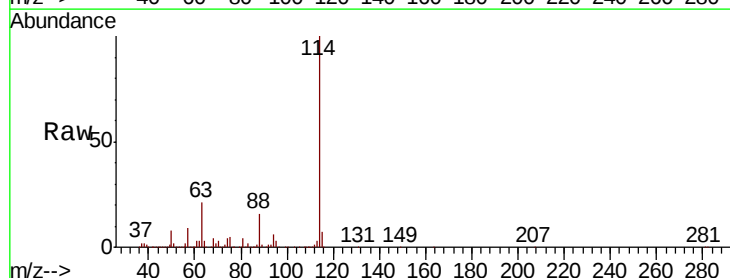
Instrument :
 MSVOA_W
 ClientSampleId :
 WE-4RE

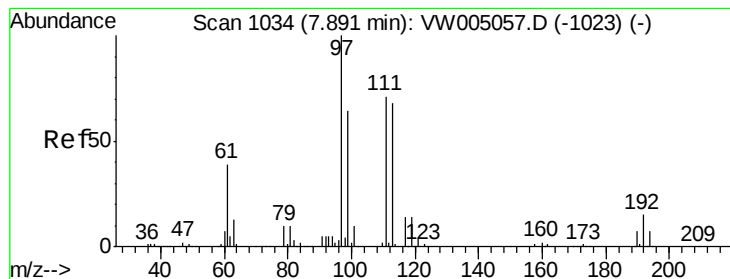
Tot Ion: 65 Resp: 305627
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW005135.D
 Acq: 05 Sep 2018 17:53

Tgt Ion: 114 Resp: 889354
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 38.0
 88 15.6 0.0 30.2





#35

Dibromofluoromethane

Concen: 1.43 ug/l

RT: 7.90 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VW005135.D

Acq: 05 Sep 2018 17:53

Instrument :

MSVOA_W

ClientSampleId :

WE-4RE

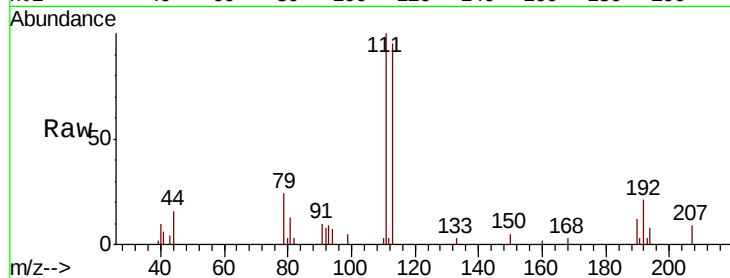
Tot Ion:113 Resp: 7367

Ion Ratio Lower Upper

113 100

111 99.8 82.2 123.2

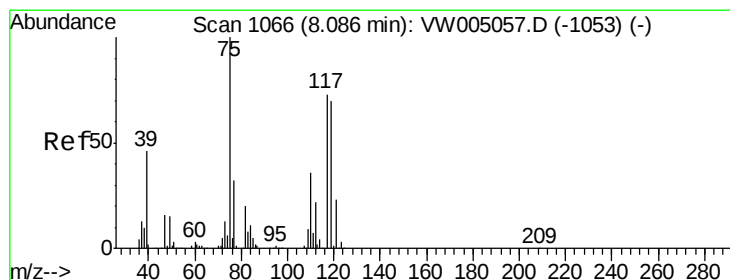
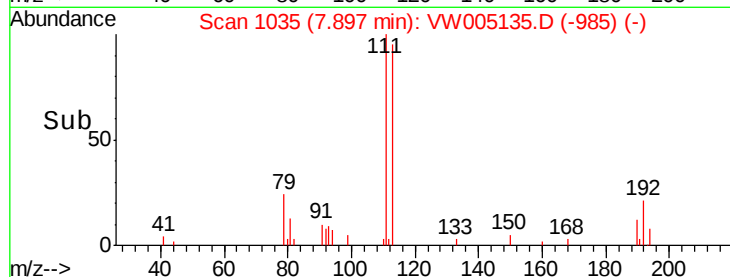
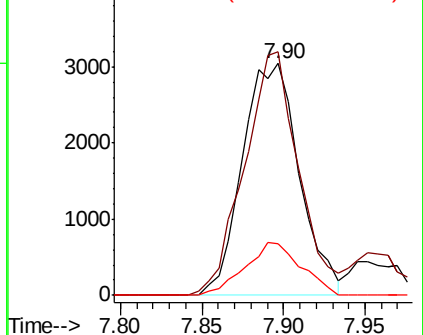
192 22.3 18.1 27.1



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: VW005135.D

Acq: 05 Sep 2018 17:53

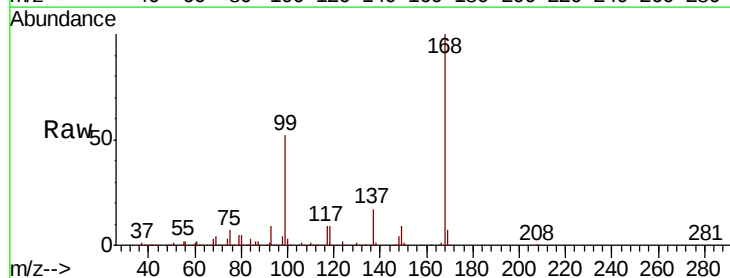
Tgt Ion: 75 Resp: 39585

Ion Ratio Lower Upper

75 100

110 8.8 18.9 56.7#

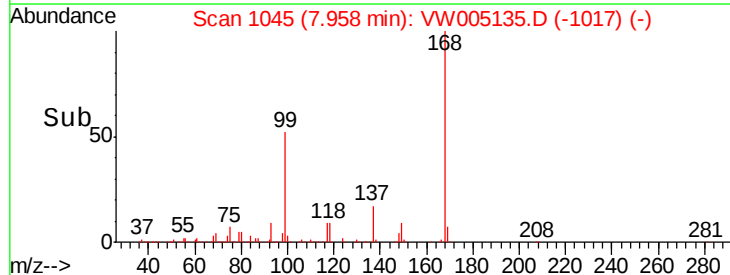
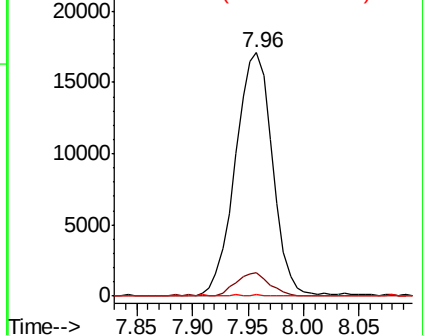
77 0.2 25.5 38.3#

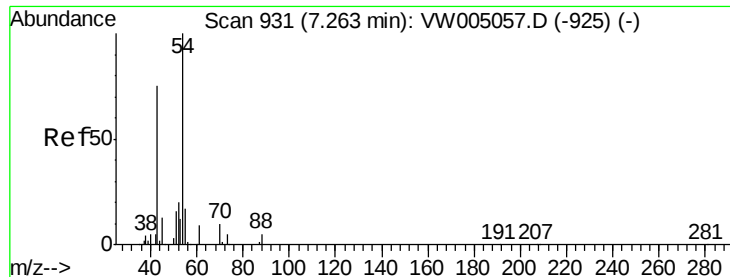


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

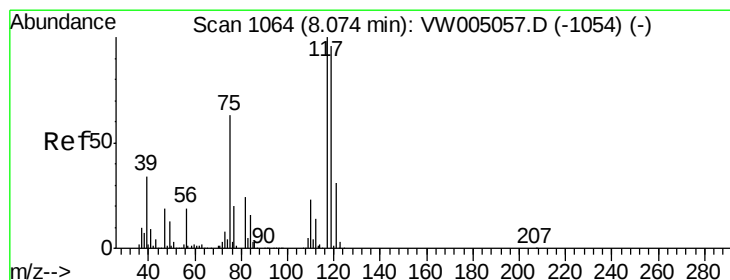
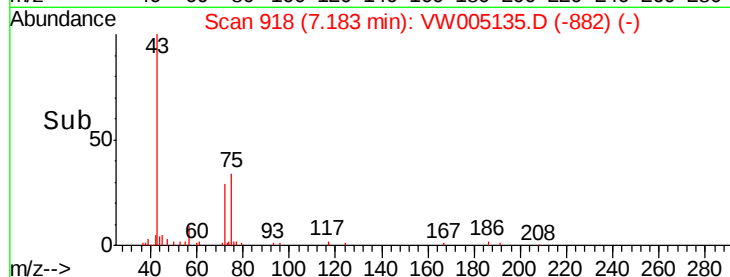
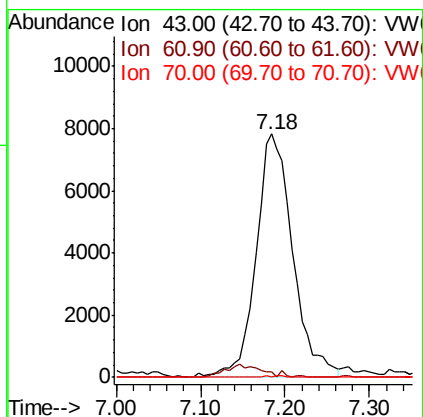
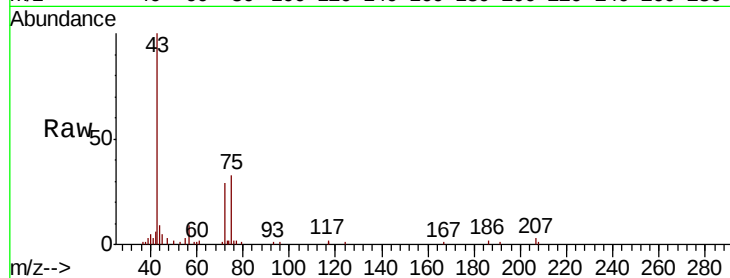




#37
Ethyl Acetate
Concen: 7.40 ug/l
RT: 7.18 min Scan# 918
Delta R.T. -0.08 min
Lab File: VW005135.D
Acq: 05 Sep 2018 17:53

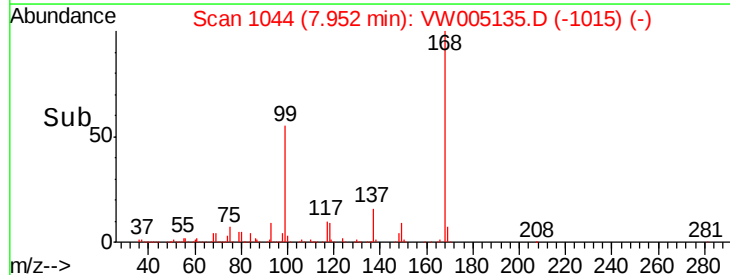
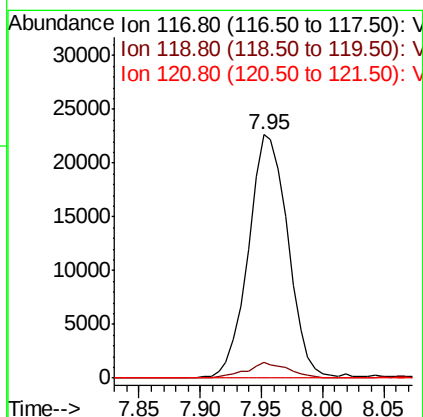
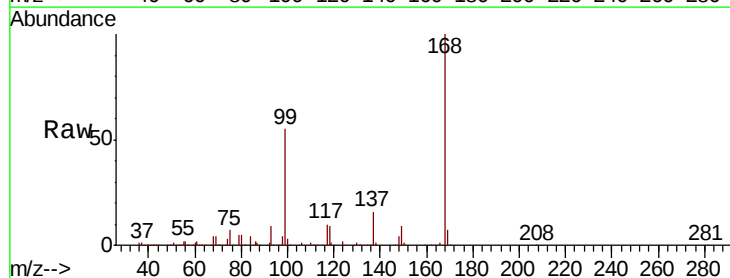
Instrument :
MSVOA_W
ClientSampleId :
WE-4RE

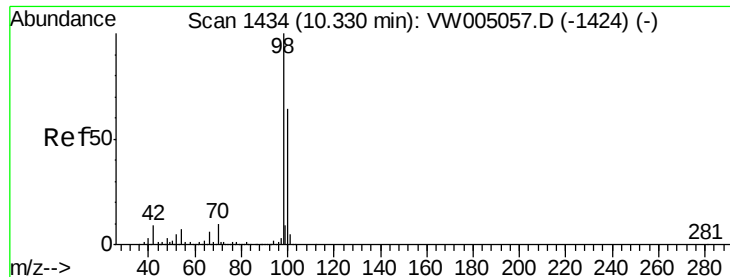
Tot Ion: 43 Resp: 23448
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.3 9.4 14.2#



#38
Carbon Tetrachloride
Concen: 6.34 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW005135.D
Acq: 05 Sep 2018 17:53

Tgt Ion: 117 Resp: 51037
Ion Ratio Lower Upper
117 100
119 6.6 76.6 115.0#
121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 53.34 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW005135.D

Acq: 05 Sep 2018 17:53

Instrument :

MSVOA_W

ClientSampleId :

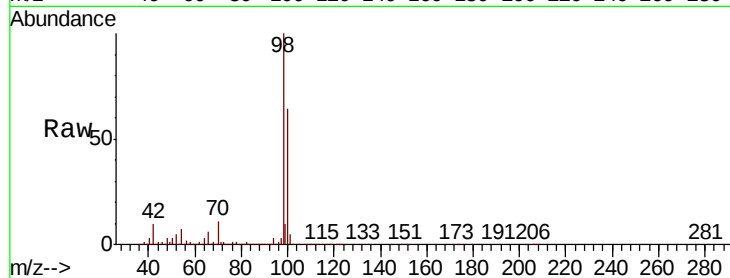
WE-4RE

Tot Ion: 98 Resp: 1263192

Ion Ratio Lower Upper

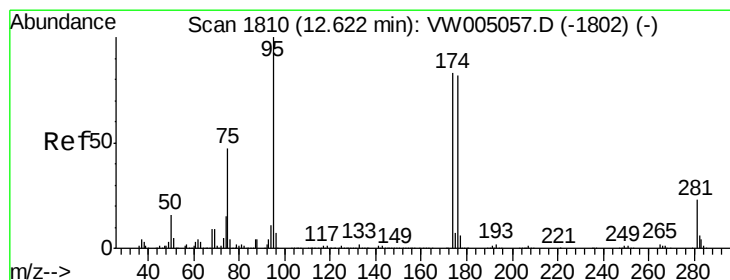
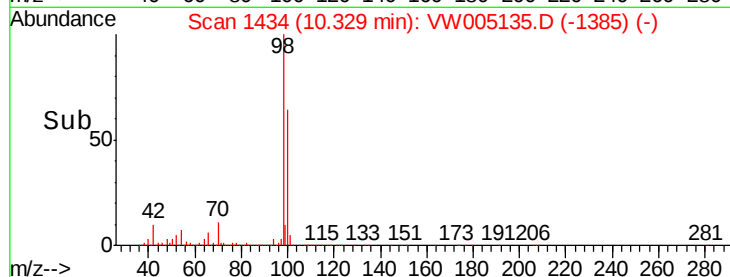
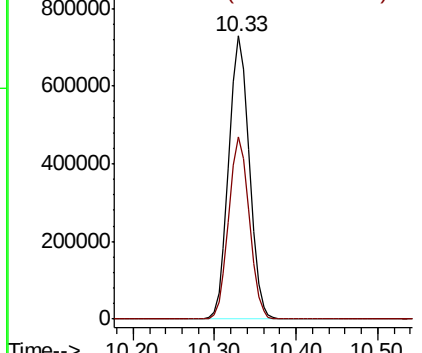
98 100

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



#62

4-Bromofluorobenzene

Concen: 54.02 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW005135.D

Acq: 05 Sep 2018 17:53

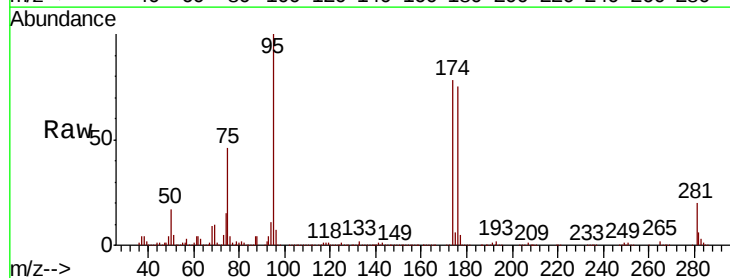
Tgt Ion: 95 Resp: 451108

Ion Ratio Lower Upper

95 100

174 83.0 0.0 173.4

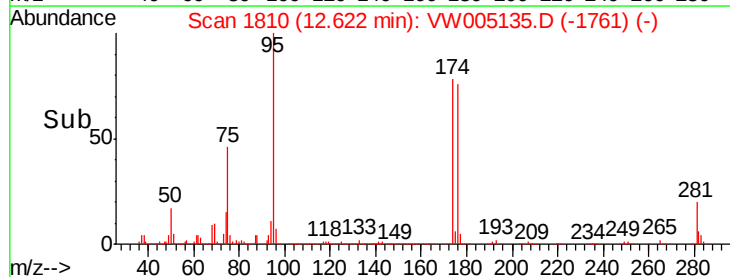
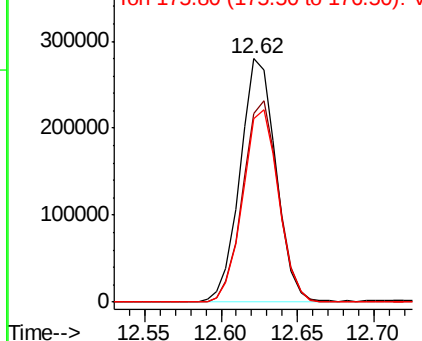
176 79.9 0.0 167.4

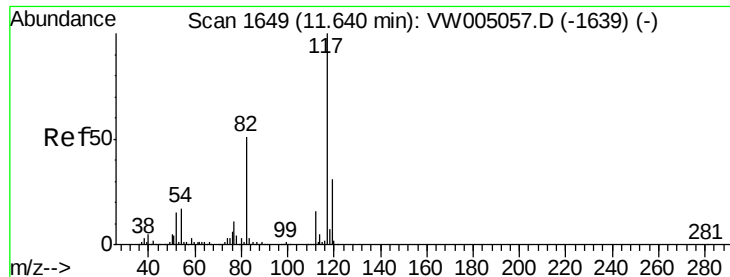


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

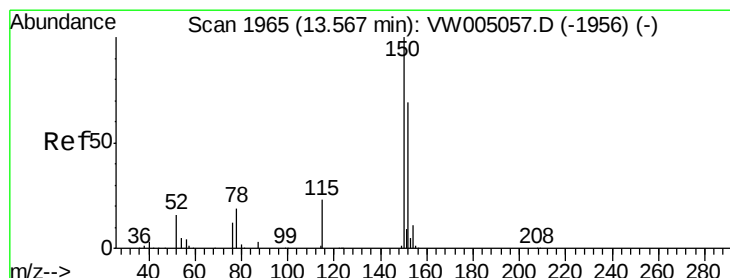
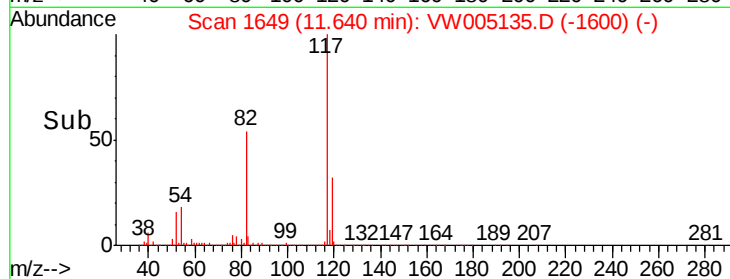
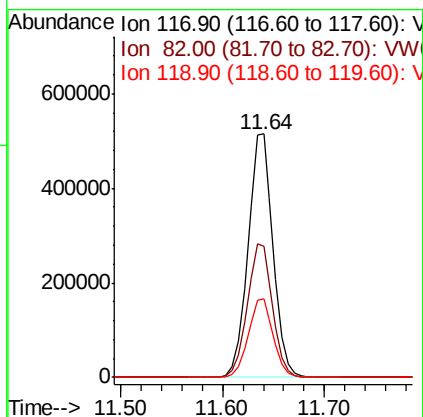
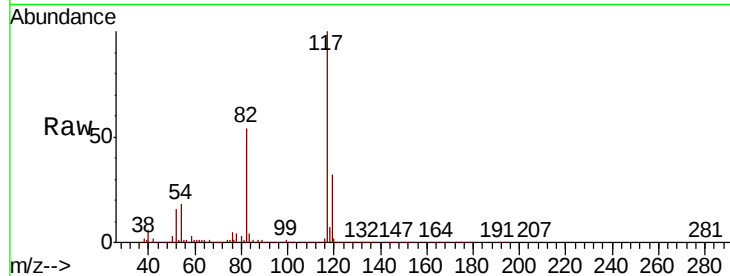




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW005135.D
Acq: 05 Sep 2018 17:53

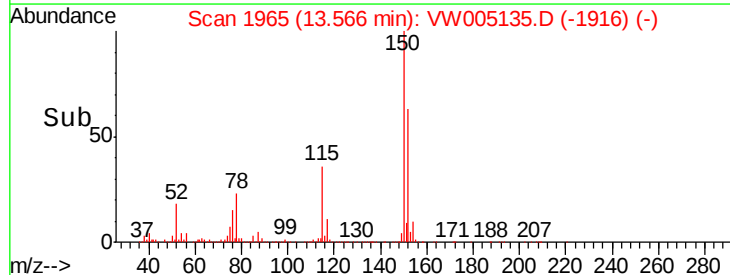
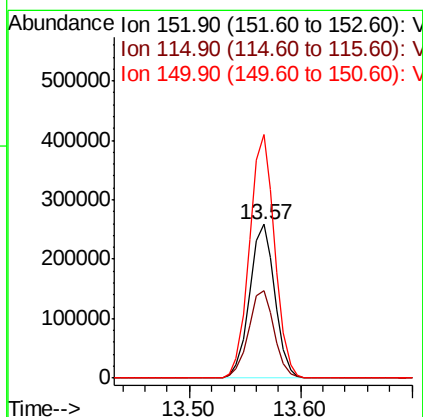
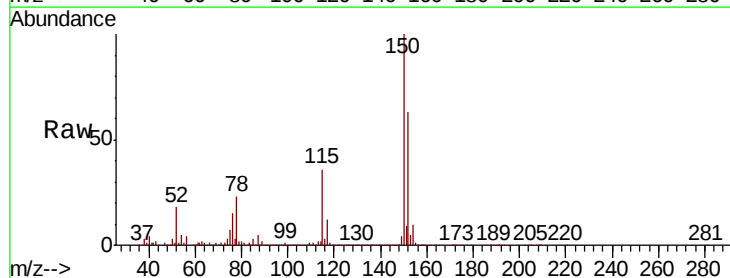
Instrument :
MSVOA_W
ClientSampleId :
WE-4RE

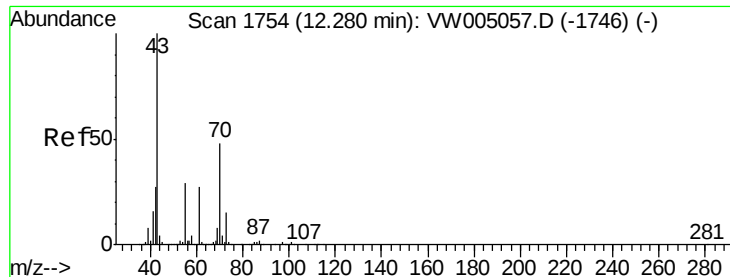
Tot Ion:117 Resp: 874768
Ion Ratio Lower Upper
117 100
82 53.7 40.9 61.3
119 32.2 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW005135.D
Acq: 05 Sep 2018 17:53

Tgt Ion:152 Resp: 408043
Ion Ratio Lower Upper
152 100
115 57.1 27.8 83.4
150 157.3 0.0 351.4

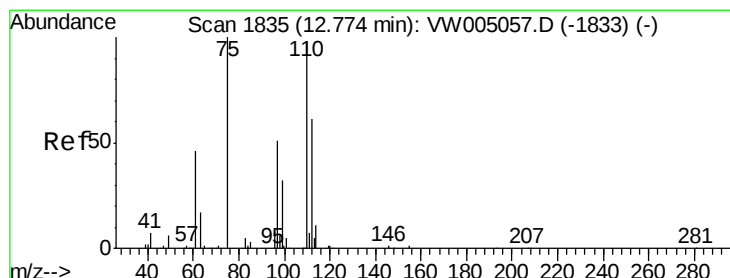
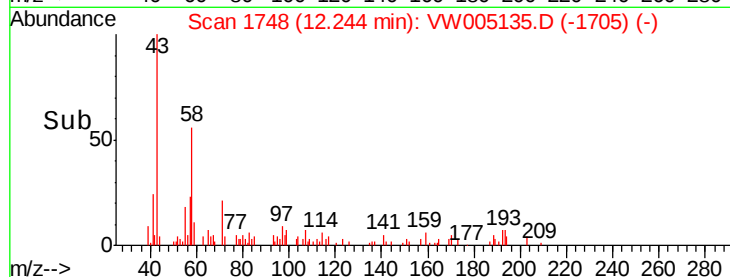
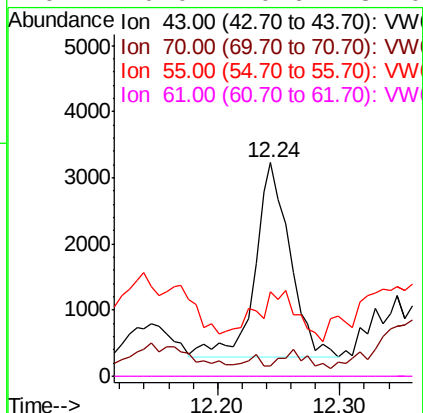
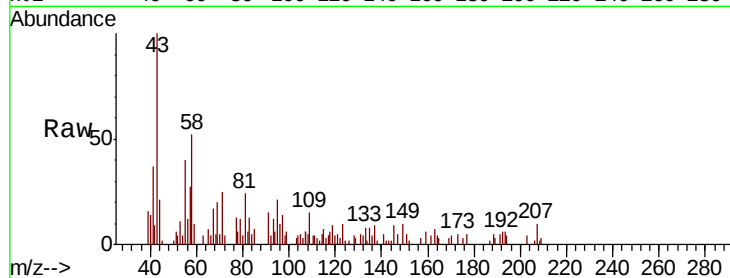




#74
N-amvl acetate
Concen: 1.17 ug/l
RT: 12.24 min Scan# 1748
Delta R.T. -0.04 min
Lab File: VW005135.D
Acq: 05 Sep 2018 17:53

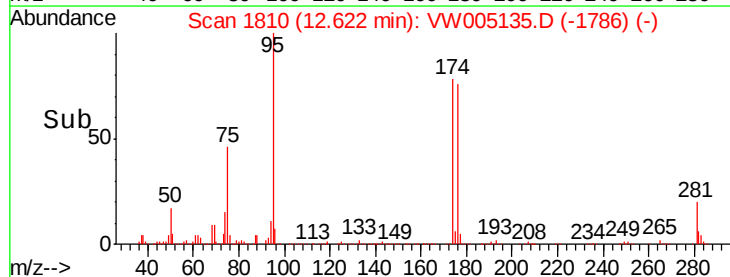
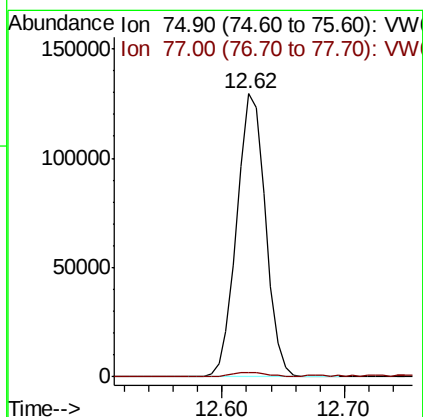
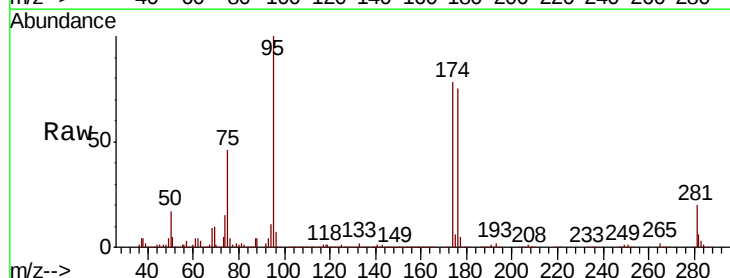
Instrument :
MSVOA_W
ClientSampleId :
WE-4RE

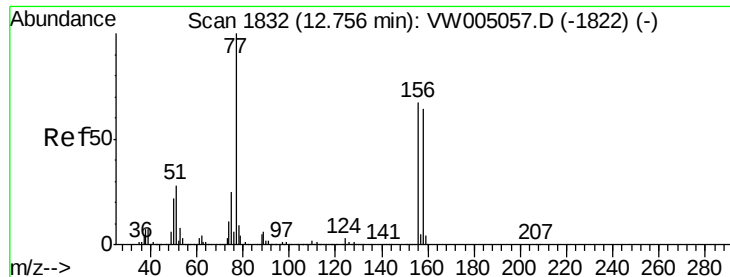
Tot Ion:	43	Resp:	5785
Ion	Ratio	Lower	Upper
43	100		
70	2.0	38.2	57.4#
55	0.0	23.2	34.8#
61	0.0	20.6	31.0#



#76
1,2,3-Trichloropropane
Concen: 68.70 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW005135.D
Acq: 05 Sep 2018 17:53

Tgt Ion:	75	Resp:	210405
Ion	Ratio	Lower	Upper
75	100		
77	1.7	0.0	0.0#





#77

Bromobenzene

Concen: 1.13 ug/l

RT: 12.91 min Scan# 1857

Delta R.T. 0.15 min

Lab File: VW005135.D

Acq: 05 Sep 2018 17:53

Instrument :

MSVOA_W

ClientSampleId :

WE-4RE

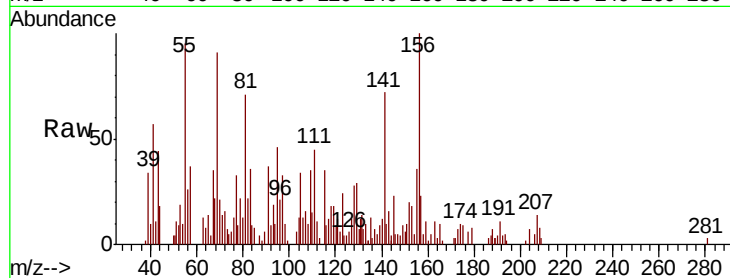
Tot Ion:156 Resp: 7989

Ion Ratio Lower Upper

156 100

77 7.7 85.8 257.4#

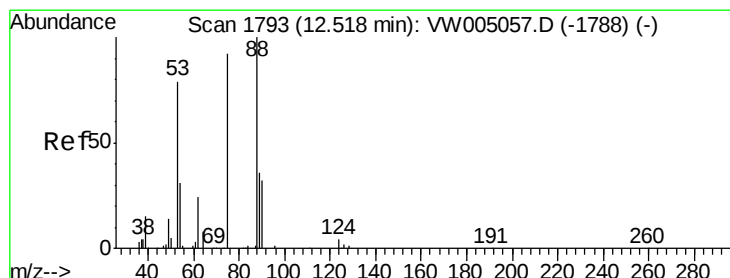
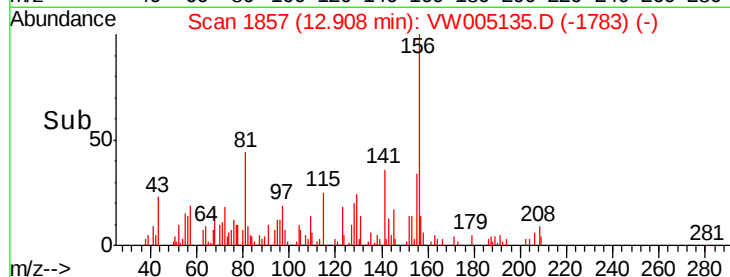
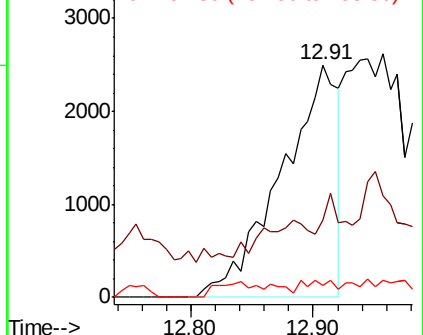
158 2.6 48.1 144.4#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 165.34 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW005135.D

Acq: 05 Sep 2018 17:53

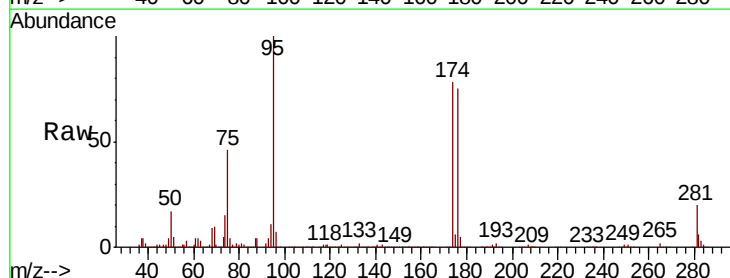
Tgt Ion: 75 Resp: 210405

Ion Ratio Lower Upper

75 100

53 0.3 69.8 104.8#

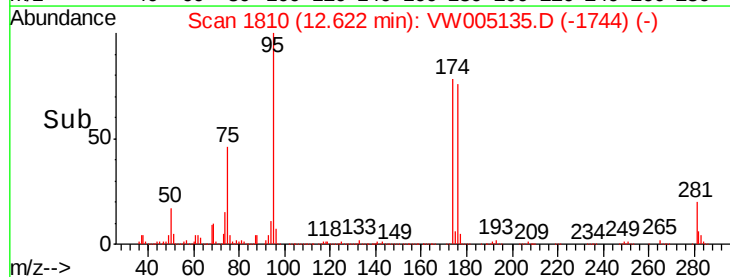
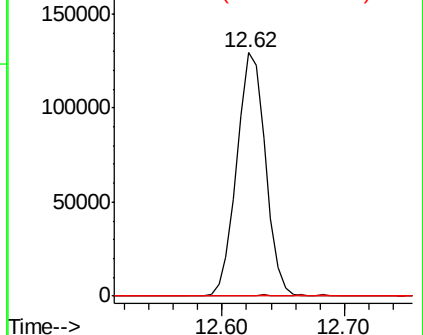
89 0.1 36.0 54.0#

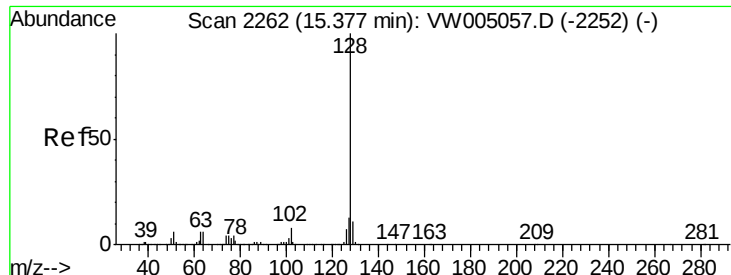


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

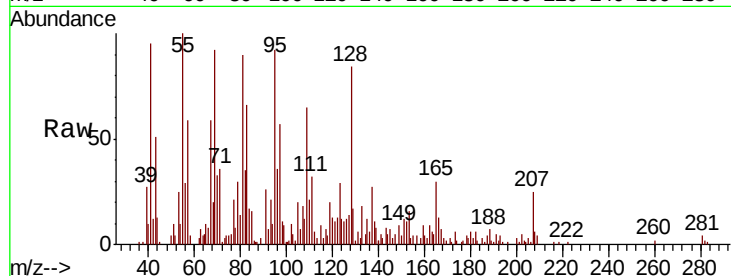




#95
Naphthalene
Concen: 4.56 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW005135.D
Acq: 05 Sep 2018 17:53

Instrument :
MSVOA_W
ClientSampleId :
WE-4RE

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	11.1	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

