

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090418\
 Data File : VW005125.D
 Acq On : 05 Sep 2018 12:20
 Operator : SY/AP
 Sample : J4699-01RE
 Misc : 5.67G/5ML/MSVOA W/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 05 13:36:03 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	568180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	860218	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	738809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	296619	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	252938	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	
35) Dibromofluoromethane	7.89	113	227547	45.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.54%	
50) Toluene-d8	10.33	98	1022394	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	
62) 4-Bromofluorobenzene	12.62	95	318074	39.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.76%	

Target Compounds

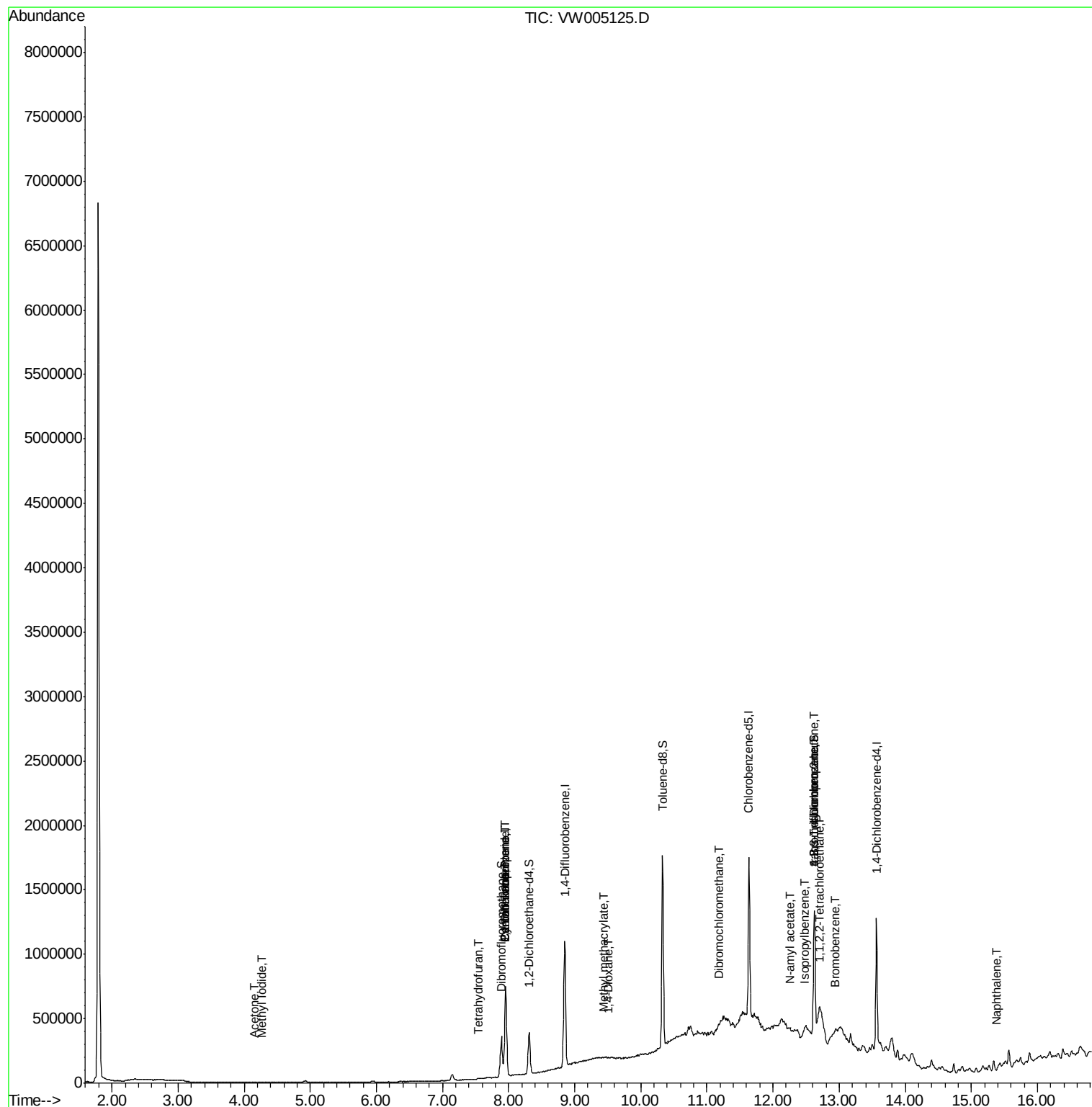
					Qvalue
5) Bromomethane	2.78	94	813	Below Cal	90
10) Methyl Iodide	4.28	142	153	3.838 ug/l #	66
11) Tert butyl alcohol	5.20	59	343	Below Cal #	87
16) Acetone	4.15	43	1609	1.703 ug/l #	86
20) Methylene Chloride	4.92	84	10870	Below Cal	95
29) Tetrahydrofuran	7.54	42	1074	1.283 ug/l #	80
31) Cyclohexane	7.95	56	10150	1.097 ug/l #	1
36) 1,1-Dichloropropene	7.95	75	38539	4.704 ug/l #	48
38) Carbon Tetrachloride	7.95	117	50399	6.470 ug/l #	16
48) Methyl methacrylate	9.45	41	2822	1.051 ug/l #	39
49) 1,4-Dioxane	9.51	88	59	1.245 ug/l #	1
60) Dibromochloromethane	11.18	129	13662	2.664 ug/l #	14
73) Isopropylbenzene	12.47	105	35018	1.674 ug/l #	55
74) N-amyl acetate	12.26	43	5217	1.449 ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.71	83	102160	32.086 ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	144697	64.989 ug/l #	100
77) Bromobenzene	12.93	156	22849	4.434 ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	144697	156.421 ug/l #	15
95) Naphthalene	15.38	128	3717	4.299 ug/l #	85

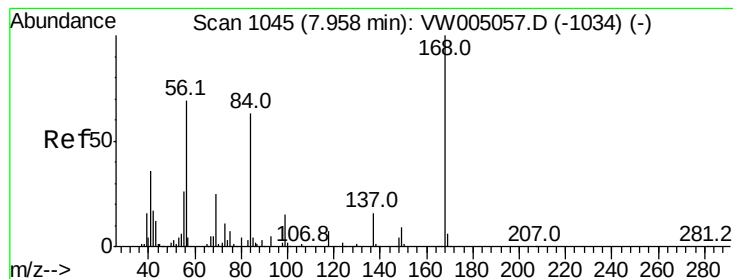
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW005125.D

Acq: 05 Sep 2018 12:20

Instrument :

MSVOA_W

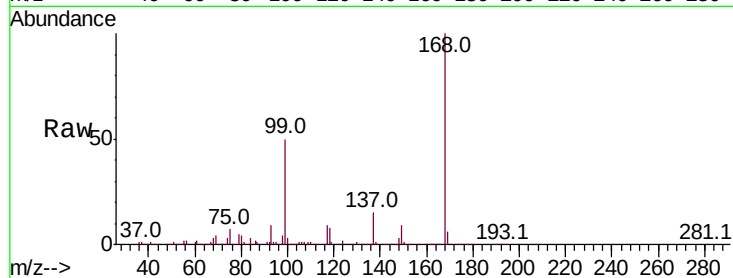
ClientSampleId :

Tot Ion:168 Resp: 568180

Ion Ratio Lower Upper

168 100

99 49.5 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

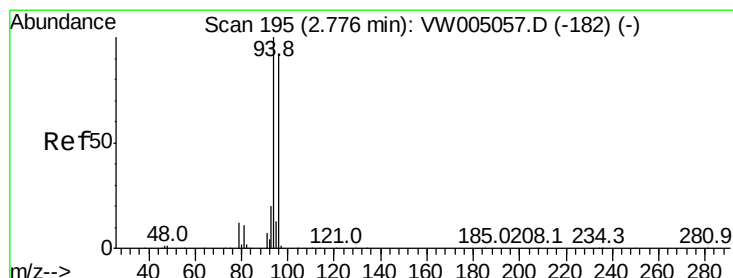
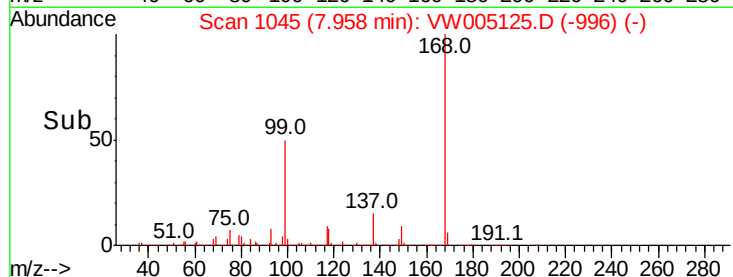
150000

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: VW005125.D

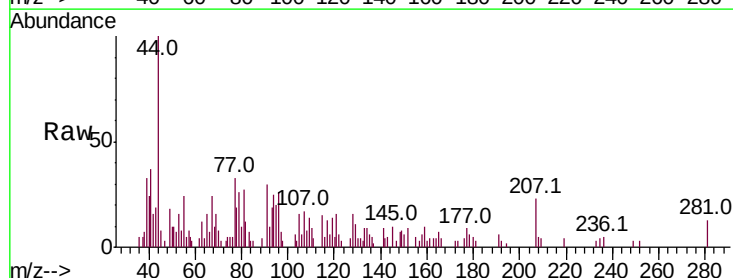
Acq: 05 Sep 2018 12:20

Tgt Ion: 94 Resp: 813

Ion Ratio Lower Upper

94 100

96 100.9 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

600

500

400

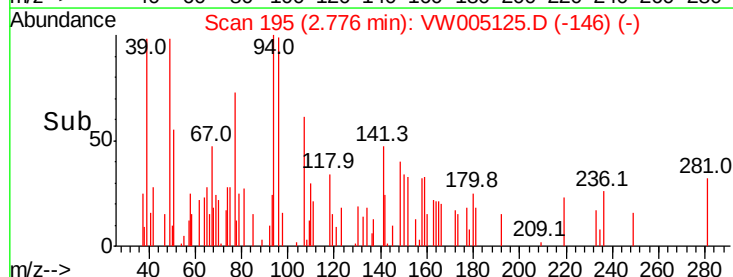
300

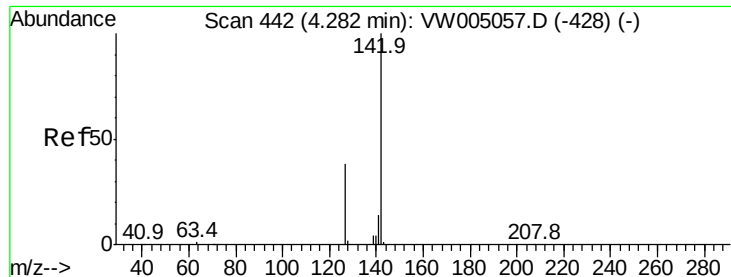
200

100

0

Time--> 2.70 2.75 2.80





#10

Methvl Iodide

Concen: 3.838 ug/l

RT: 4.28 min Scan# 441

Delta R.T. -0.01 min

Lab File: VW005125.D

Acq: 05 Sep 2018 12:20

Instrument :

MSVOA_W

ClientSampleId :

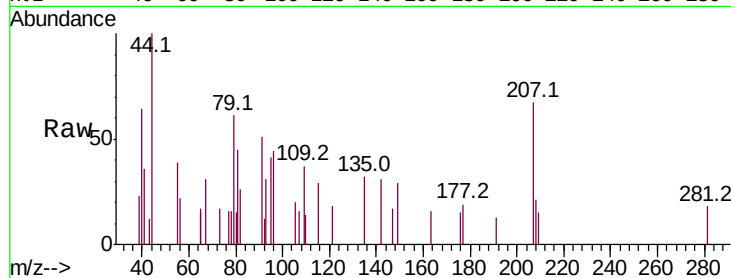
Tot Ion:142 Resp: 153

Ion Ratio Lower Upper

142 100

127 18.3 30.8 46.2#

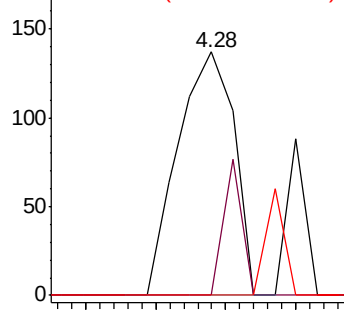
141 0.0 11.6 17.4#



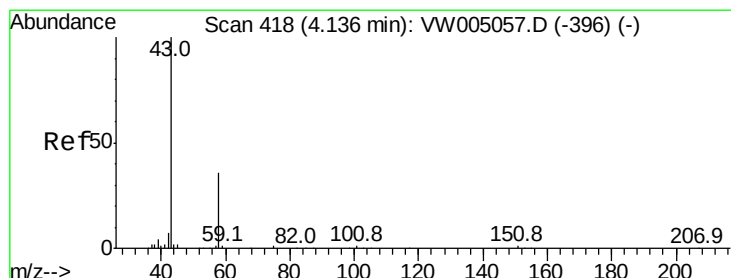
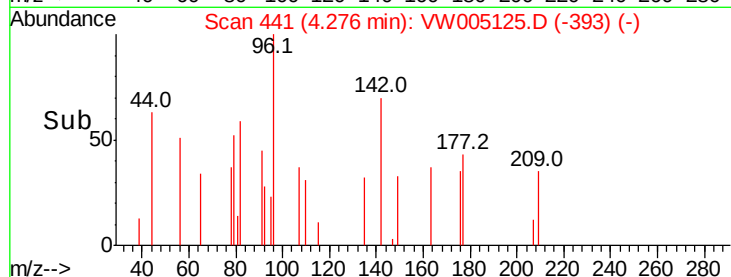
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



#16

Acetone

Concen: 1.703 ug/l

RT: 4.15 min Scan# 421

Delta R.T. 0.02 min

Lab File: VW005125.D

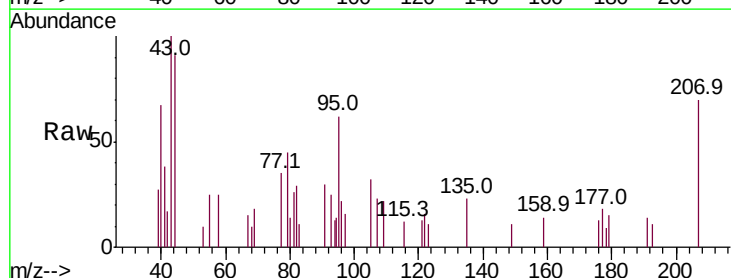
Acq: 05 Sep 2018 12:20

Tgt Ion: 43 Resp: 1609

Ion Ratio Lower Upper

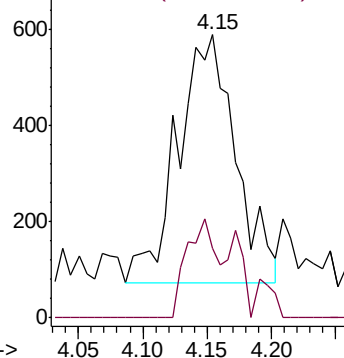
43 100

58 28.1 29.0 43.6#

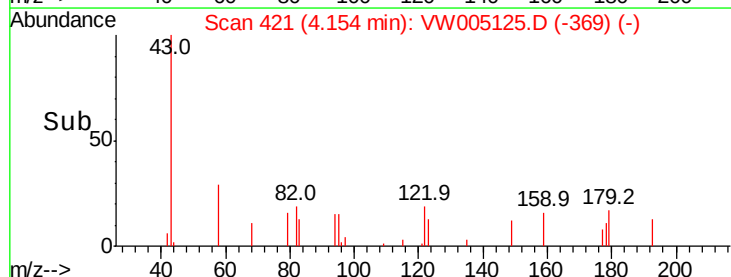


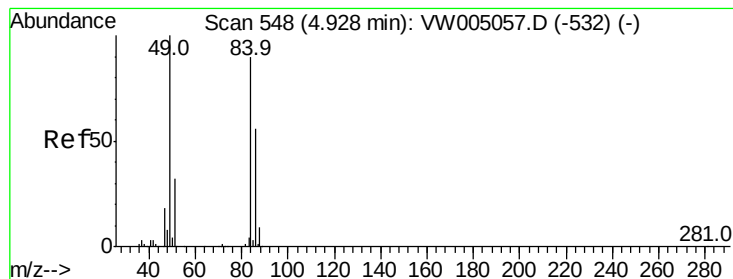
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->





#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 547

Delta R.T. -0.01 min

Lab File: VW005125.D

Acq: 05 Sep 2018 12:20

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 84 Resp: 10870

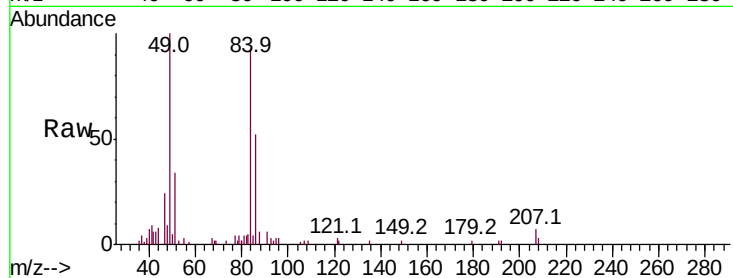
Ion Ratio Lower Upper

84 100

49 107.1 88.7 133.1

51 36.8 28.6 42.8

86 55.6 49.4 74.2



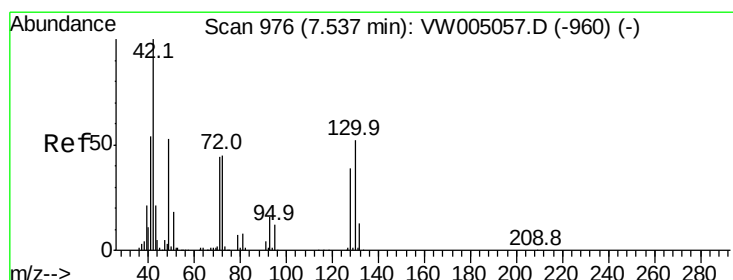
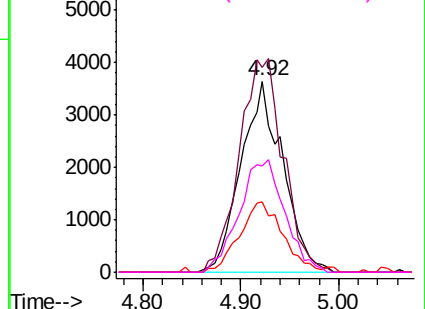
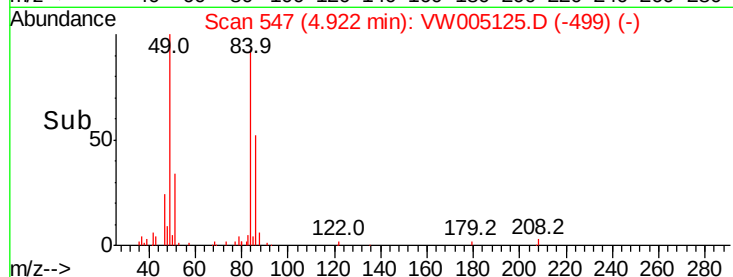
Abundance

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



#29

Tetrahydrofuran

Concen: 1.283 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW005125.D

Acq: 05 Sep 2018 12:20

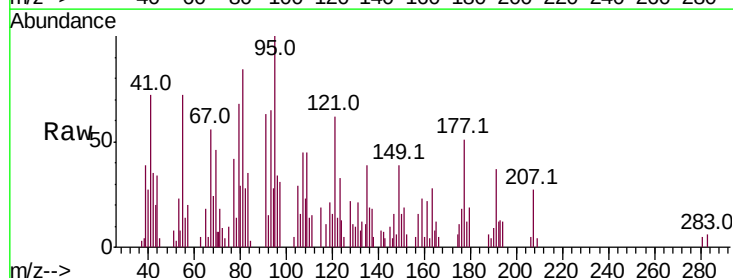
Tgt Ion: 42 Resp: 1074

Ion Ratio Lower Upper

42 100

72 50.2 37.0 55.4

71 21.7 35.0 52.6#

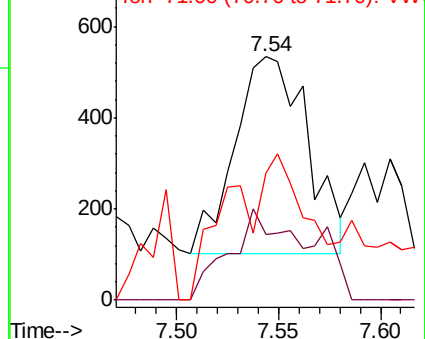
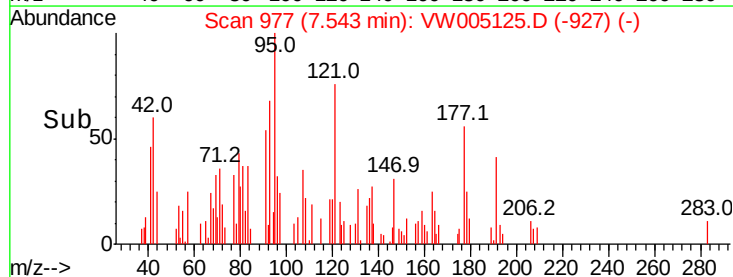


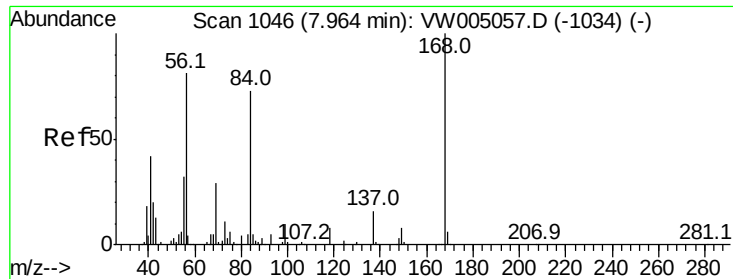
Abundance

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

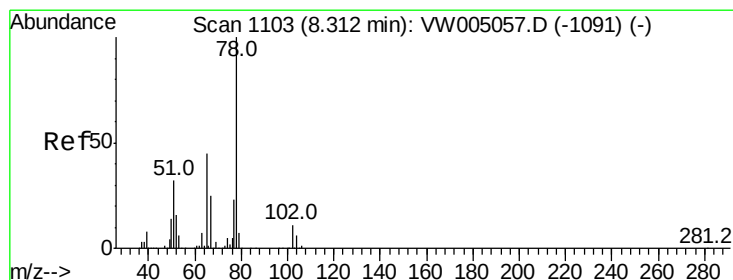
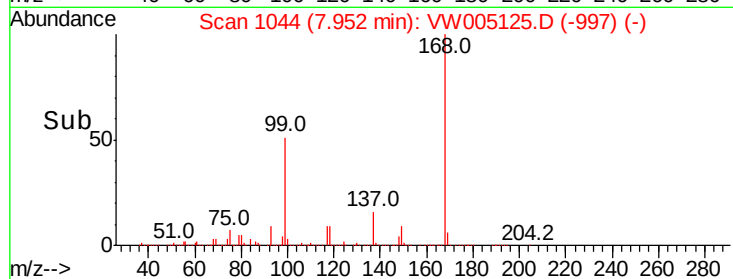
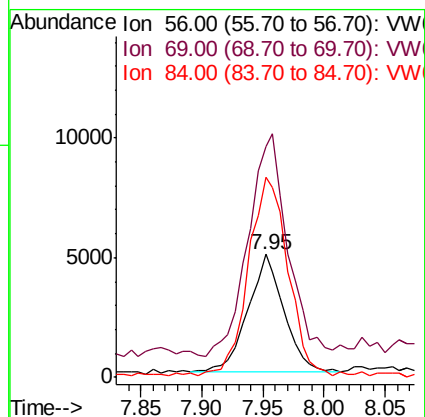
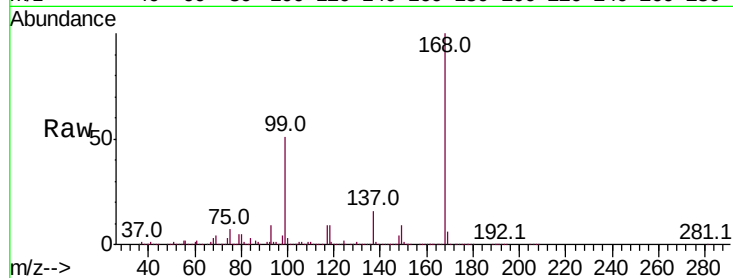




#31
Cyclohexane
Concen: 1.097 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW005125.D
Acq: 05 Sep 2018 12:20

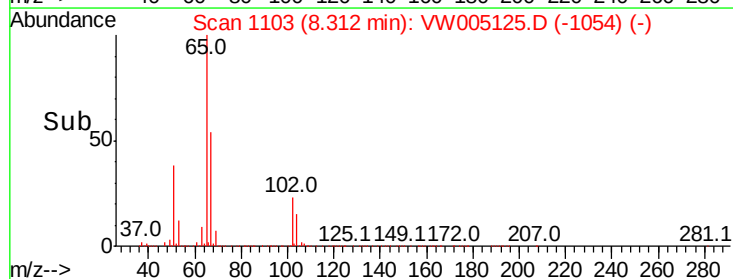
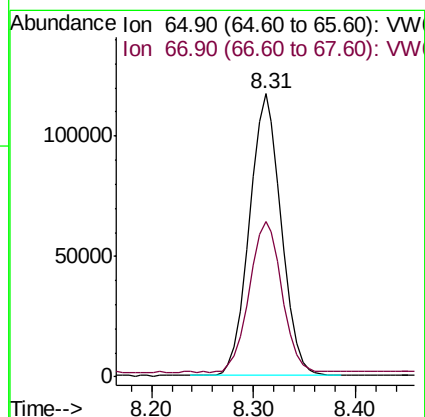
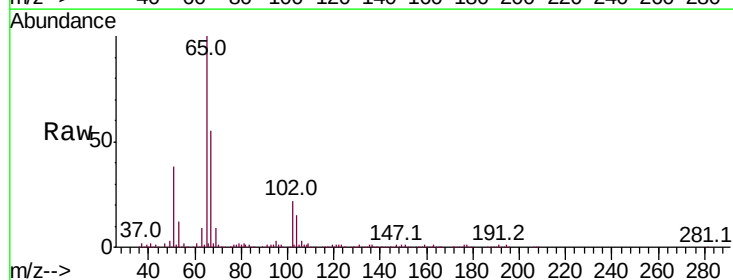
Instrument :
MSVOA_W
ClientSampleId :

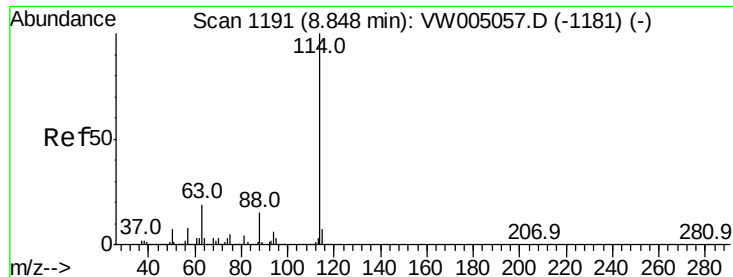
Tot Ion: 56 Resp: 10150
Ion Ratio Lower Upper
56 100
69 173.7 28.2 42.2#
84 166.8 71.8 107.8#



#33
1,2-Dichloroethane-d4
Concen: 53.703 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VW005125.D
Acq: 05 Sep 2018 12:20

Tgt Ion: 65 Resp: 252938
Ion Ratio Lower Upper
65 100
67 54.9 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: VW005125.D

Acq: 05 Sep 2018 12:20

Instrument :

MSVOA_W

ClientSampleId :

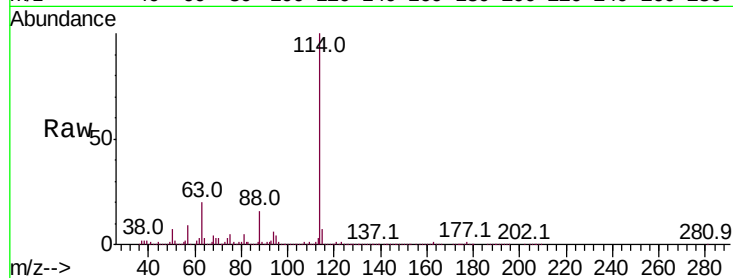
Tot Ion:114 Resp: 860218

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.0

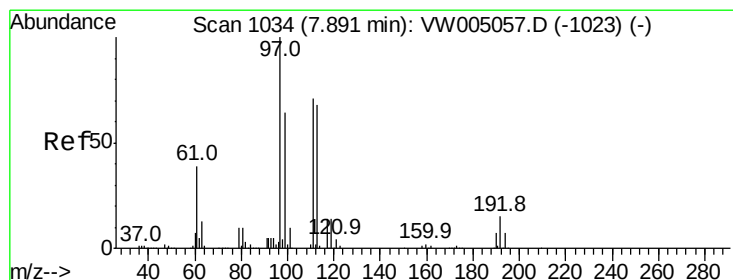
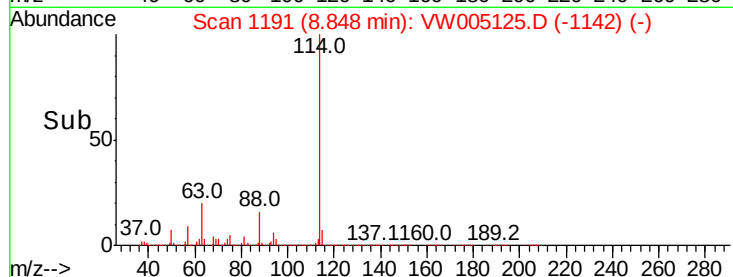
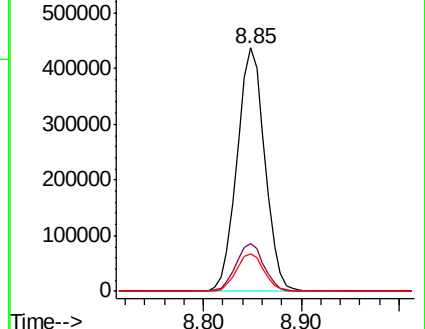
88 15.7 0.0 30.2



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: 45.774 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VW005125.D

Acq: 05 Sep 2018 12:20

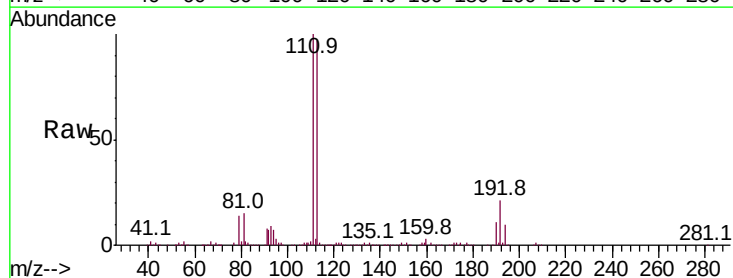
Tgt Ion:113 Resp: 227547

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

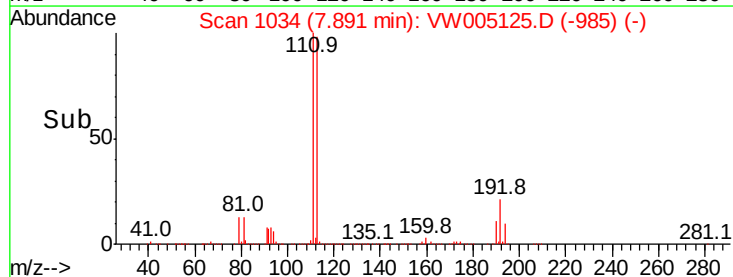
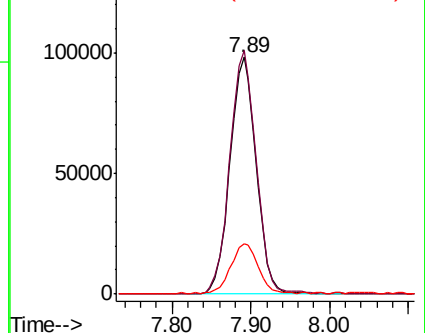
192 21.1 18.1 27.1

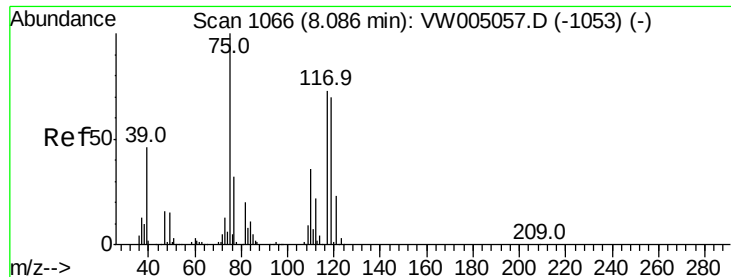


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.704 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW005125.D

Acq: 05 Sep 2018 12:20

Instrument :
MSVOA_W
ClientSampleId :

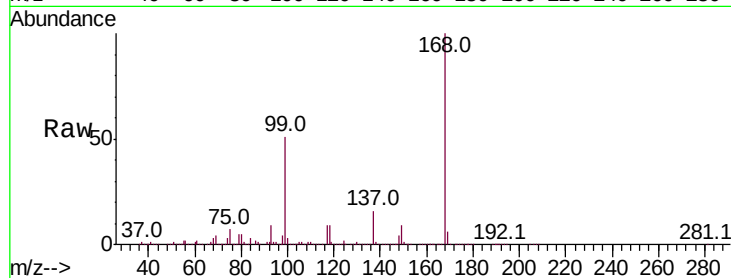
Tot Ion: 75 Resp: 38539

Ion Ratio Lower Upper

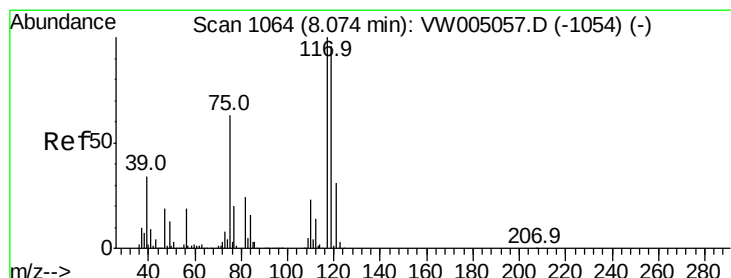
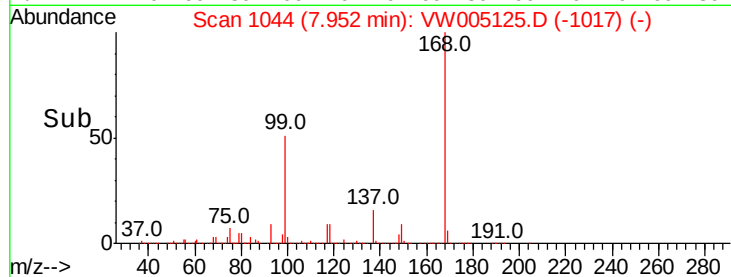
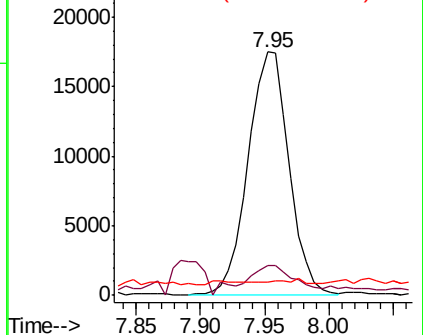
75 100

110 9.7 18.9 56.7#

77 0.0 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: 6.470 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW005125.D

Acq: 05 Sep 2018 12:20

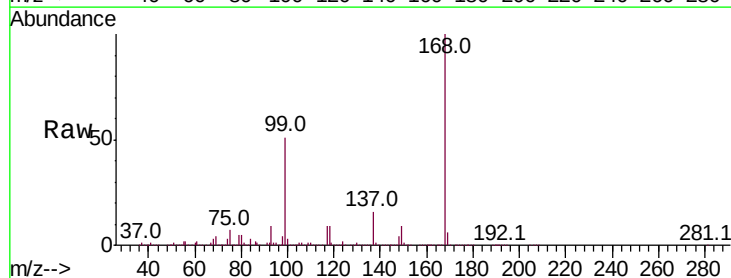
Tgt Ion: 117 Resp: 50399

Ion Ratio Lower Upper

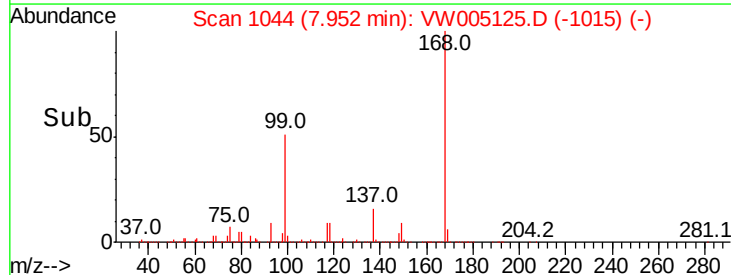
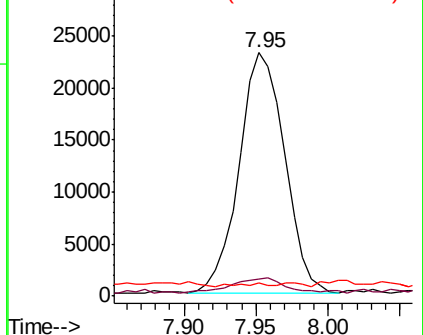
117 100

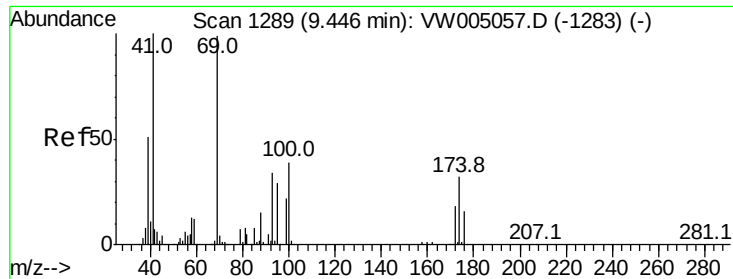
119 4.9 76.6 115.0#

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





#48

Methyl methacrylate

Concen: 1.051 ug/l

RT: 9.45 min Scan# 1289

Delta R.T. 0.00 min

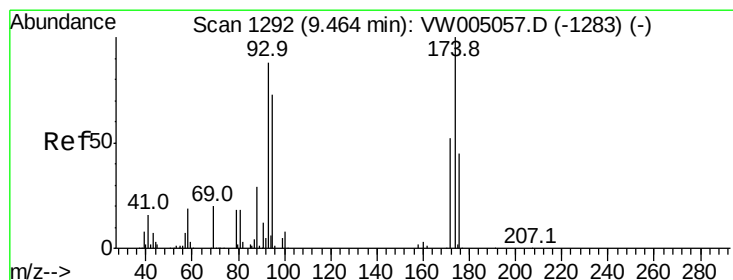
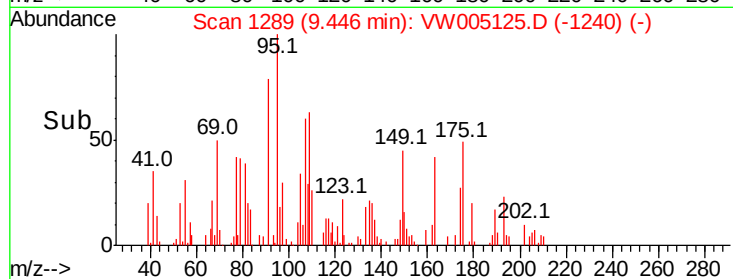
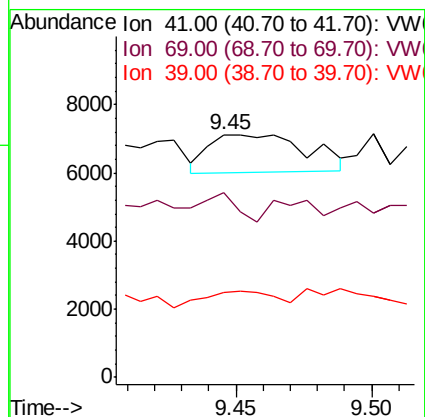
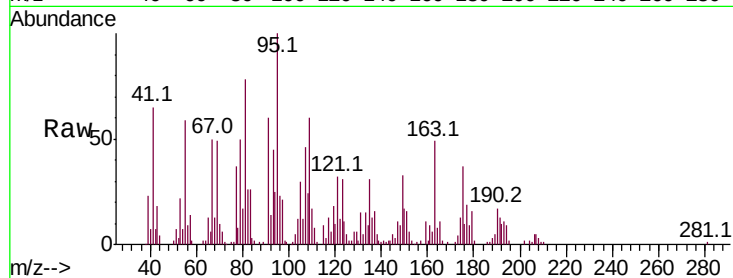
Lab File: VW005125.D

Acq: 05 Sep 2018 12:20

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 2822

Ion	Ratio	Lower	Upper
41	100		
69	22.7	80.4	120.6#
39	31.8	43.5	65.3#



#49

1,4-Dioxane

Concen: 1.245 ug/l

RT: 9.51 min Scan# 1299

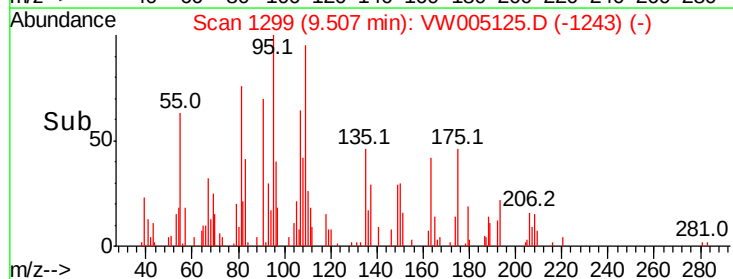
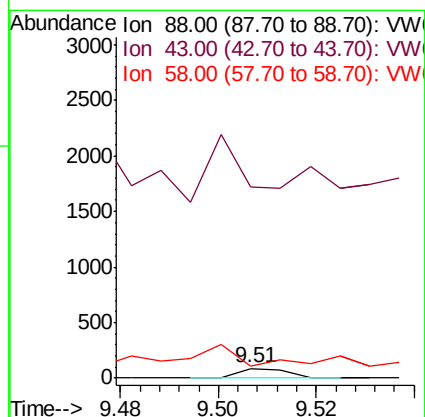
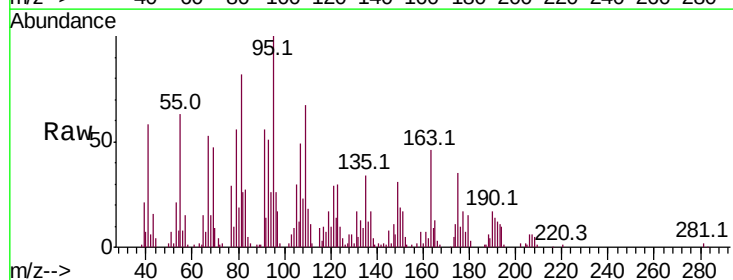
Delta R.T. 0.04 min

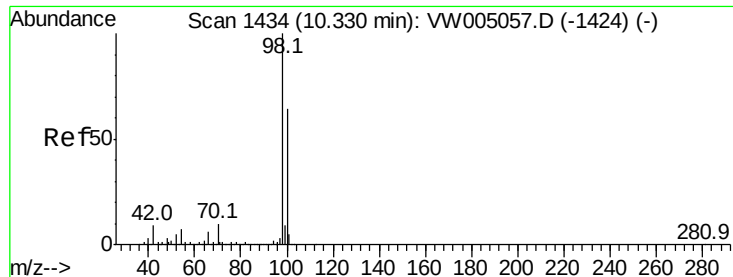
Lab File: VW005125.D

Acq: 05 Sep 2018 12:20

Tgt Ion: 88 Resp: 59

Ion	Ratio	Lower	Upper
88	100		
43	554.2	19.8	29.6#
58	254.2	57.1	85.7#

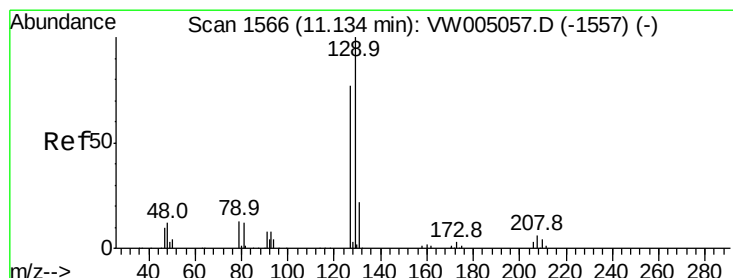
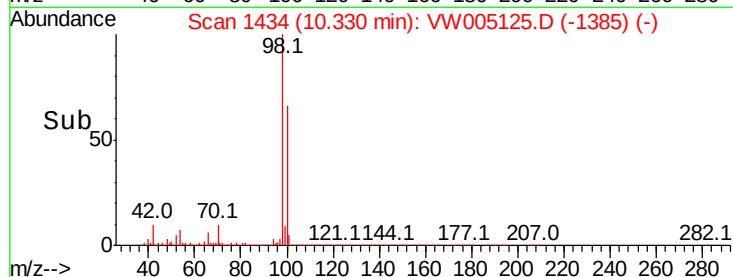
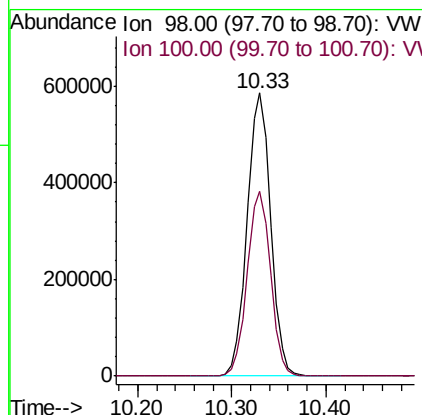
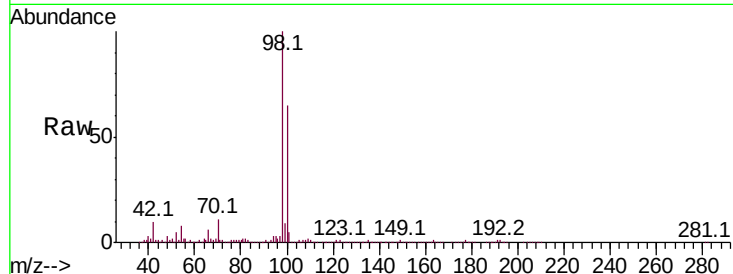




#50
Toluene-d8
Concen: 44.635 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW005125.D
Acq: 05 Sep 2018 12:20

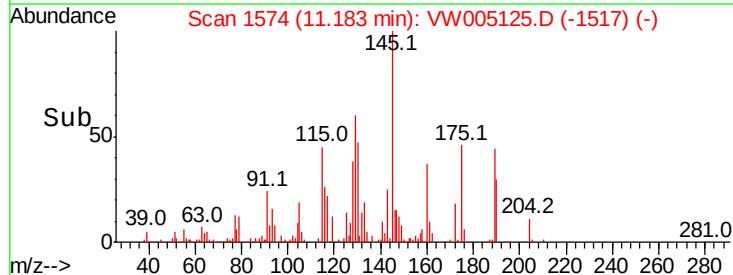
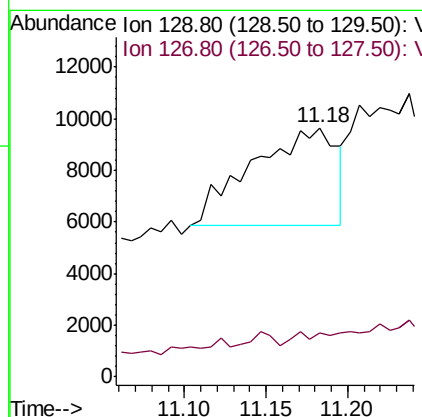
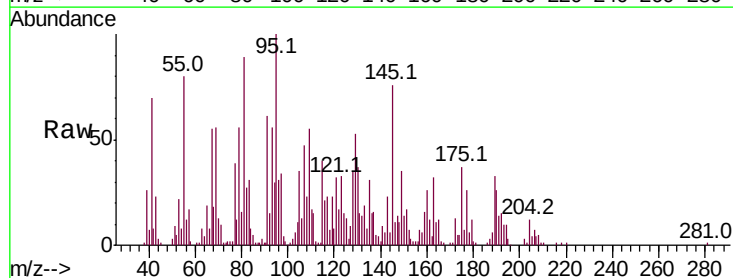
Instrument :
MSVOA_W
ClientSampleId :

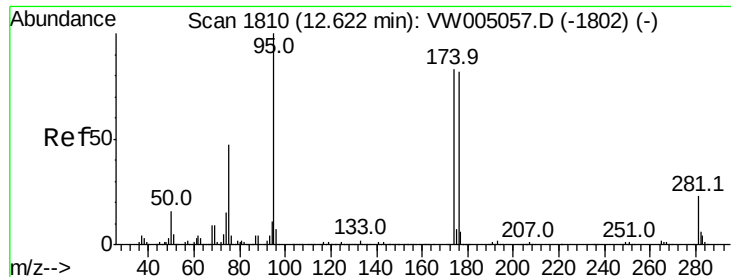
Tot Ion: 98 Resp: 1022394
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5



#60
Dibromochloromethane
Concen: 2.664 ug/l
RT: 11.18 min Scan# 1574
Delta R.T. 0.05 min
Lab File: VW005125.D
Acq: 05 Sep 2018 12:20

Tgt Ion: 129 Resp: 13662
Ion Ratio Lower Upper
129 100
127 2.6 38.9 116.7#

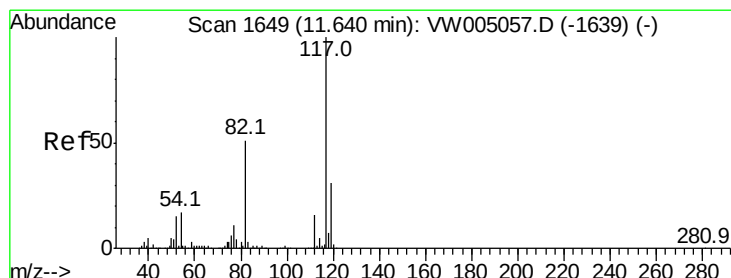
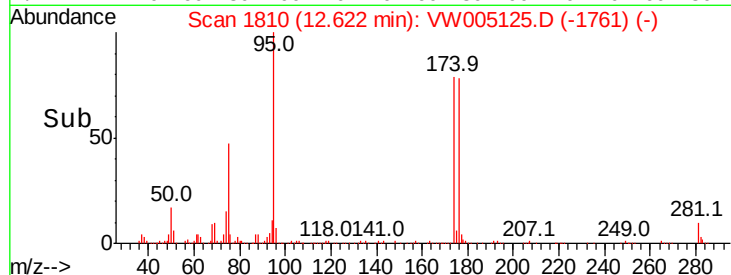
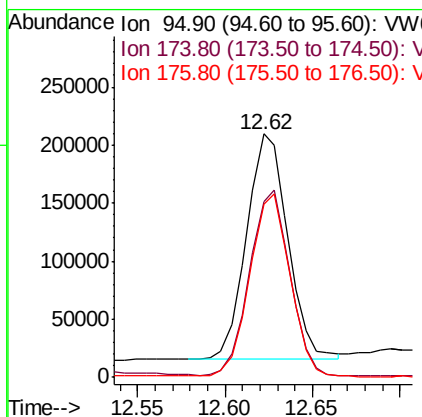
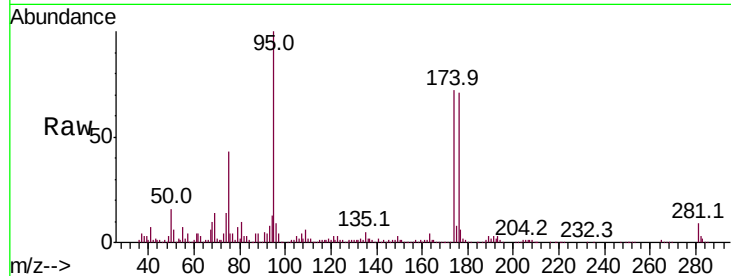




#62
4-Bromofluorobenzene
Concen: 39.381 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW005125.D
Acq: 05 Sep 2018 12:20

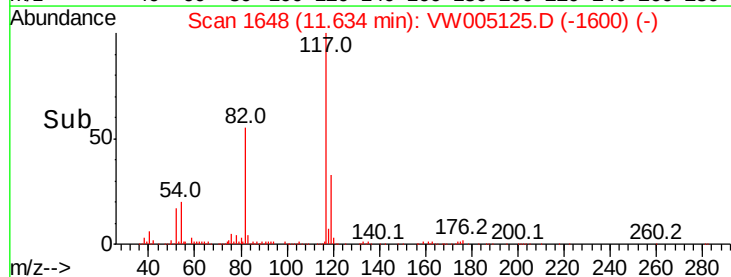
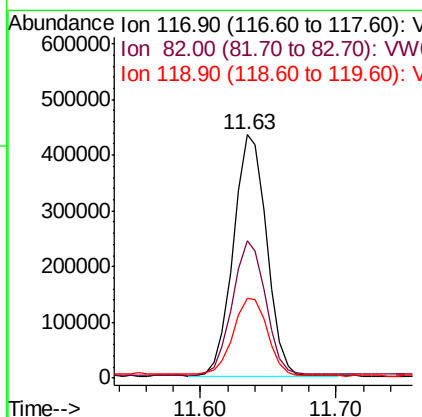
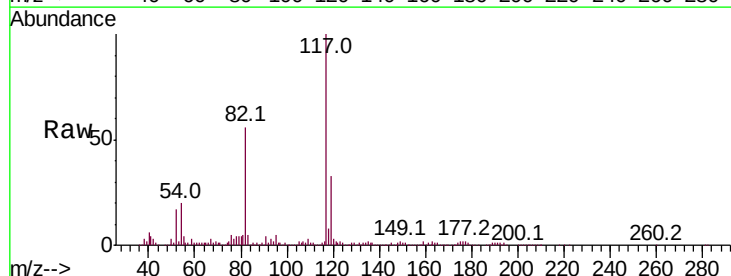
Instrument :
MSVOA_W
ClientSampled :

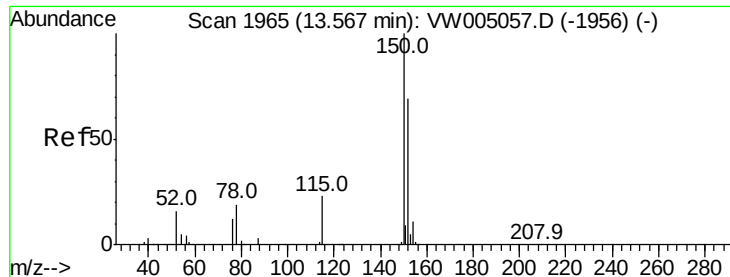
Tot Ion: 95 Resp: 318074
Ion Ratio Lower Upper
95 100
174 80.4 0.0 173.4
176 79.2 0.0 167.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW005125.D
Acq: 05 Sep 2018 12:20

Tgt Ion: 117 Resp: 738809
Ion Ratio Lower Upper
117 100
82 55.3 40.9 61.3
119 32.3 24.9 37.3

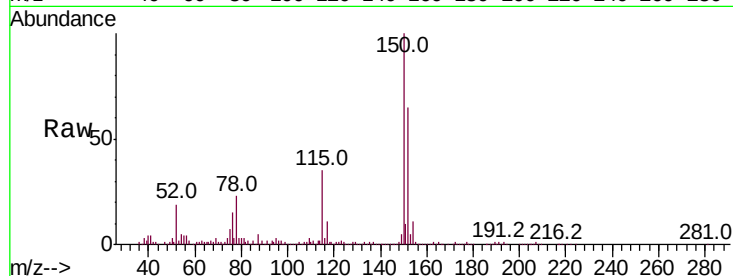




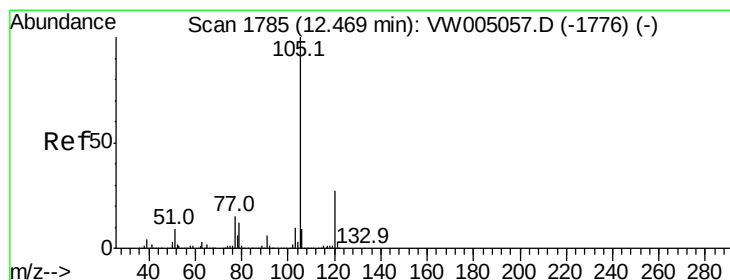
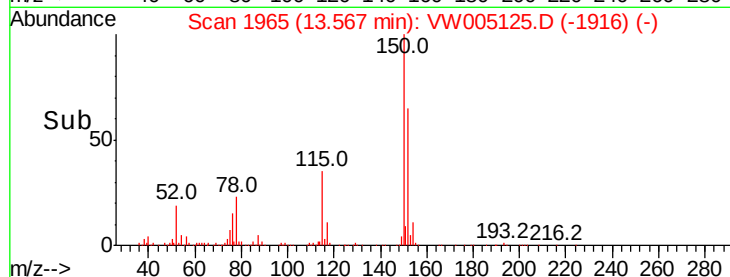
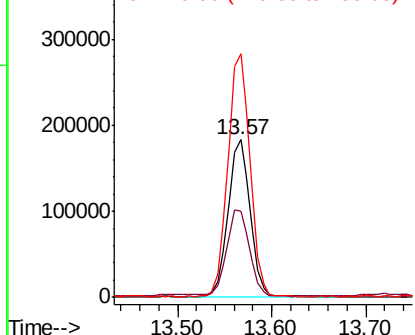
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: VW005125.D
 Acq: 05 Sep 2018 12:20

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:152 Resp: 296619
 Ion Ratio Lower Upper
 152 100
 115 57.1 27.8 83.4
 150 154.1 0.0 351.4

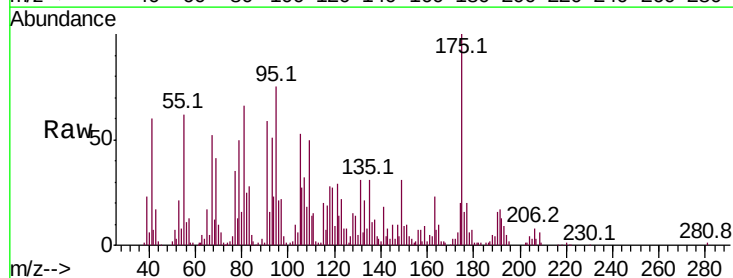


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

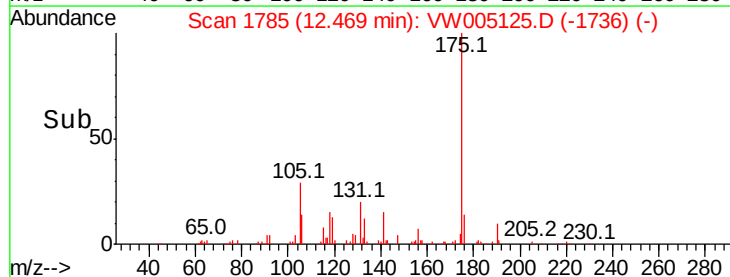
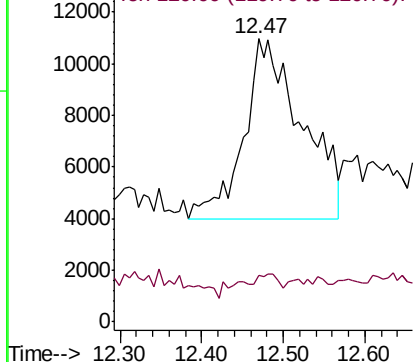


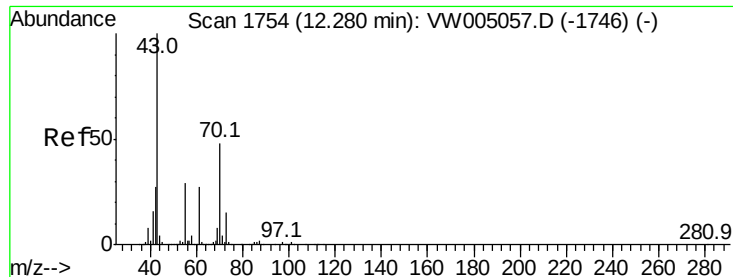
#73
 Isopropylbenzene
 Concen: 1.674 ug/l
 RT: 12.47 min Scan# 1785
 Delta R.T. 0.00 min
 Lab File: VW005125.D
 Acq: 05 Sep 2018 12:20

Tgt Ion:105 Resp: 35018
 Ion Ratio Lower Upper
 105 100
 120 3.5 13.4 40.1#



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.449 ug/l

RT: 12.26 min Scan# 1751

Delta R.T. -0.02 min

Lab File: VW005125.D

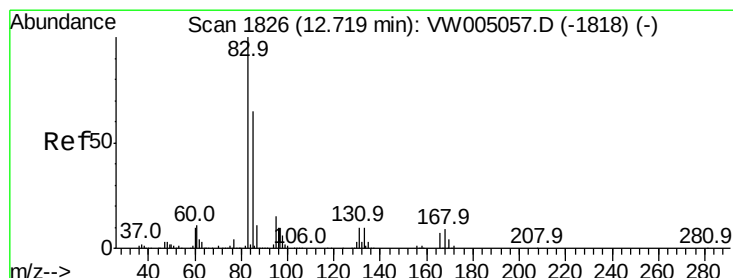
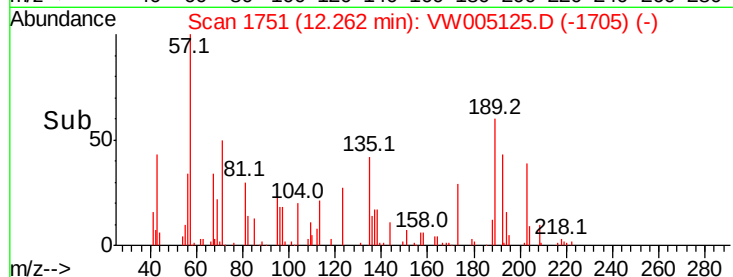
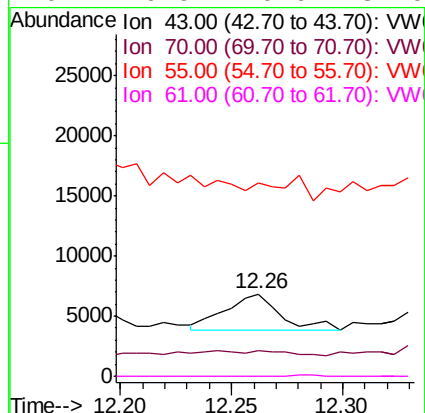
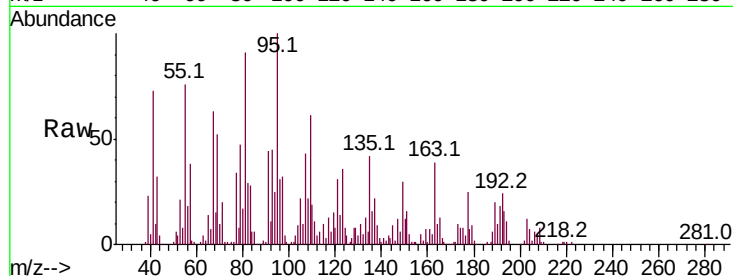
Acq: 05 Sep 2018 12:20

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:	43	Resp:	5217
Ion	Ratio	Lower	Upper
43	100		
70	9.1	38.2	57.4#
55	0.0	23.2	34.8#
61	0.9	20.6	31.0#



#75

1,1,2,2-Tetrachloroethane

Concen: 32.086 ug/l

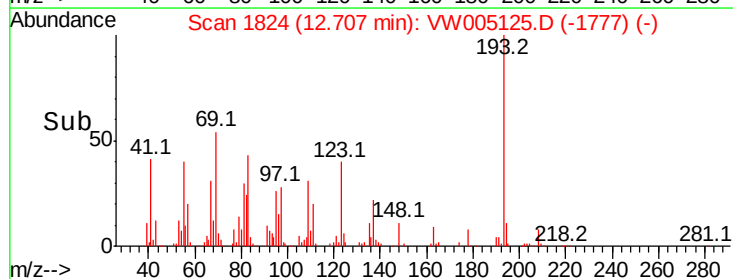
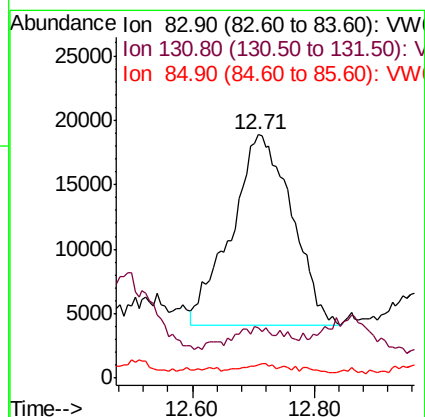
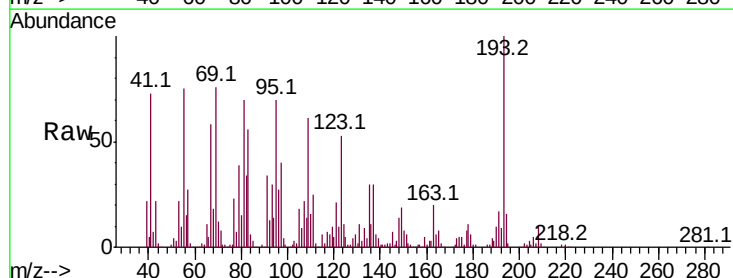
RT: 12.71 min Scan# 1824

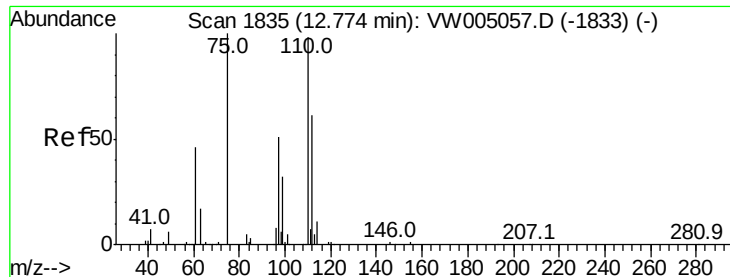
Delta R.T. -0.01 min

Lab File: VW005125.D

Acq: 05 Sep 2018 12:20

Tgt Ion:	83	Resp:	102160
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.5	16.4#
85	1.1	32.5	97.4#





#76

1,2,3-Trichloropropane

Concen: 64.989 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW005125.D

Acq: 05 Sep 2018 12:20

Instrument :

MSVOA_W

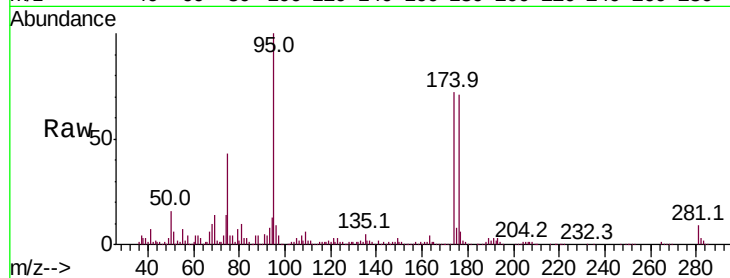
ClientSampleId :

Tot Ion: 75 Resp: 144697

Ion Ratio Lower Upper

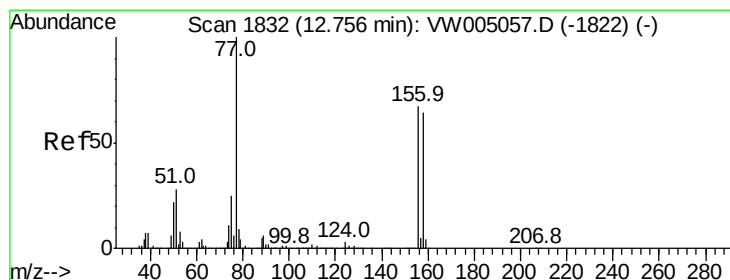
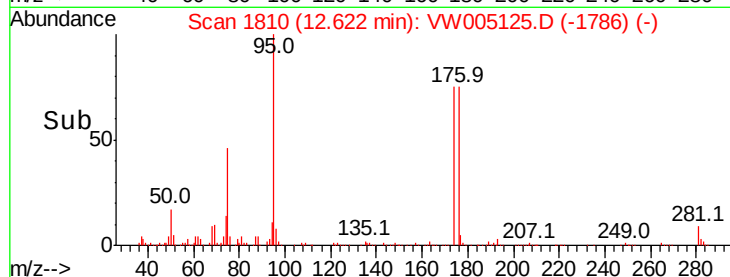
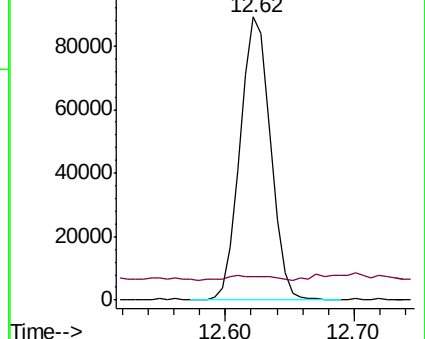
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#77

Bromobenzene

Concen: 4.434 ug/l

RT: 12.93 min Scan# 1860

Delta R.T. 0.17 min

Lab File: VW005125.D

Acq: 05 Sep 2018 12:20

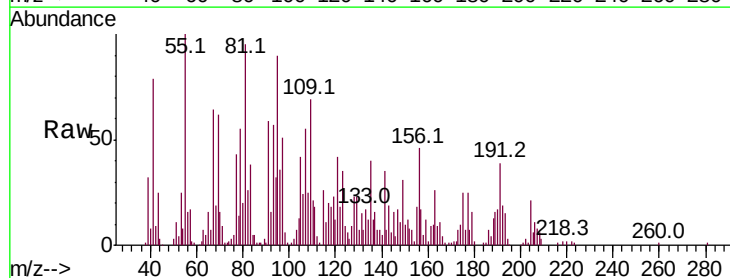
Tgt Ion: 156 Resp: 22849

Ion Ratio Lower Upper

156 100

77 0.0 85.8 257.4#

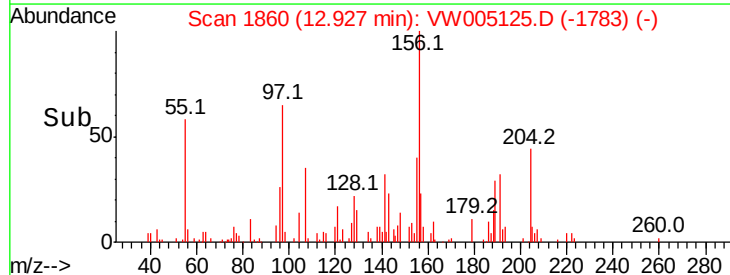
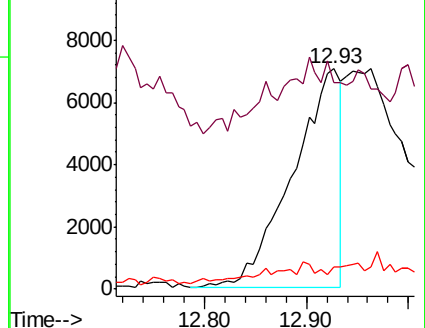
158 0.0 48.1 144.4#

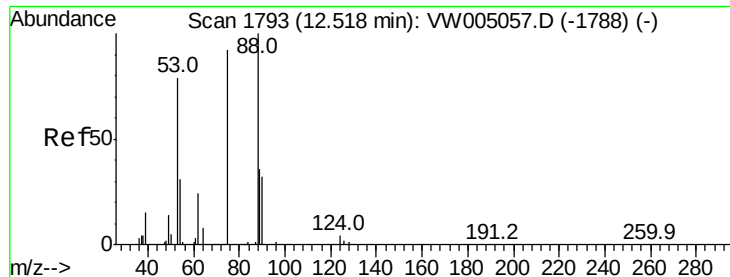


Abundance Ion 155.80 (155.50 to 156.50): V

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: 156.421 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW005125.D

Acq: 05 Sep 2018 12:20

Instrument :

MSVOA_W

ClientSampleId :

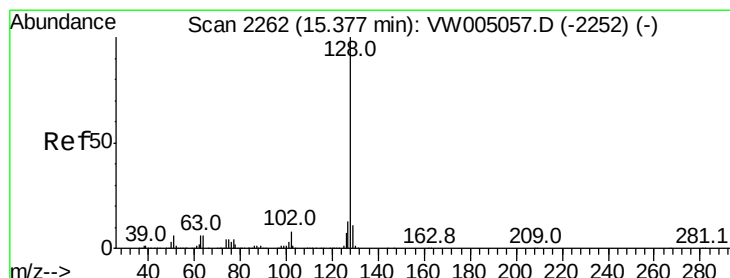
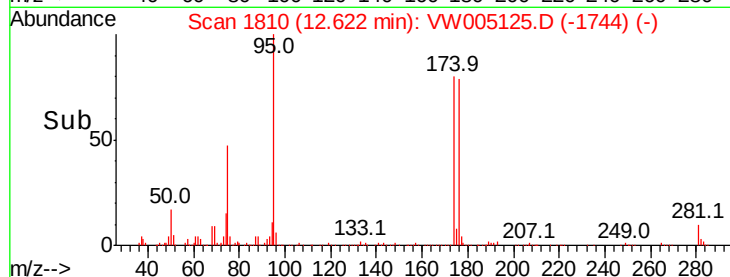
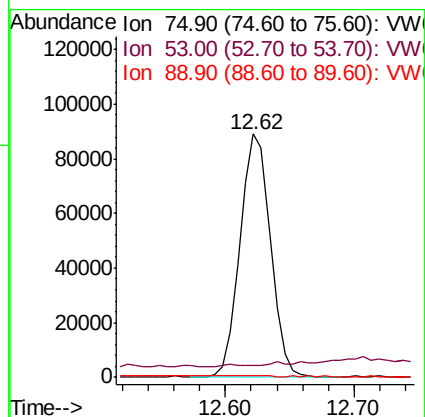
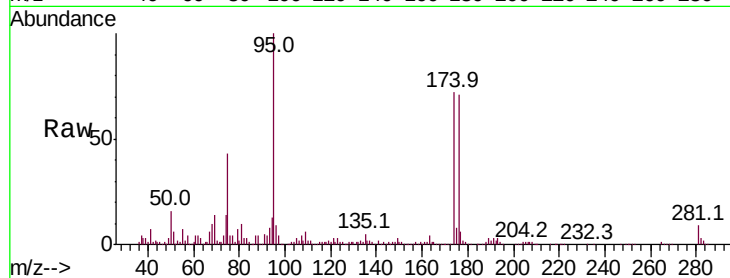
Tot Ion: 75 Resp: 144697

Ion Ratio Lower Upper

75 100

53 0.9 69.8 104.8#

89 0.2 36.0 54.0#



#95

Naphthalene

Concen: 4.299 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW005125.D

Acq: 05 Sep 2018 12:20

Tgt Ion:128 Resp: 3717

Ion Ratio Lower Upper

128 100

127 14.5 10.4 15.6

129 0.0 8.7 13.1#

