

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090418\
 Data File : VW005078.D
 Acq On : 04 Sep 2018 14:42
 Operator : SY/AP
 Sample : VW0904SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 04 16:26:19 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	462092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	659559	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	653292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	346085	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	194613	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
35) Dibromofluoromethane	7.89	113	202692	53.18	ug/l	0.00
Spiked Amount			Recovery	=	106.36%	
50) Toluene-d8	10.33	98	908924	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	
62) 4-Bromofluorobenzene	12.62	95	314079	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	

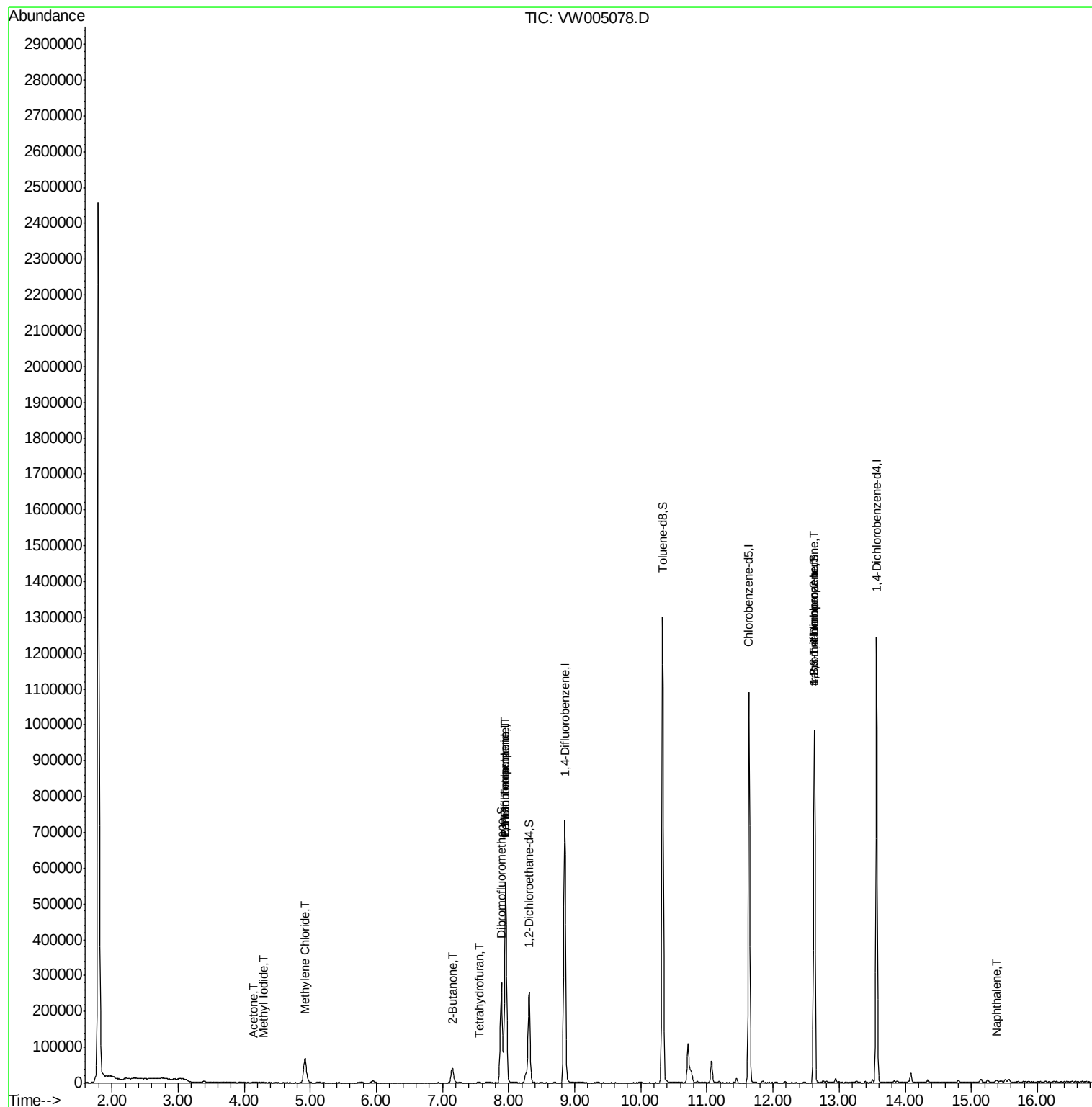
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	263	Below Cal	#	1
10) Methyl Iodide	4.29	142	1084	3.984	ug/l #	66
11) Tert butyl alcohol	5.18	59	383	Below Cal	#	72
16) Acetone	4.14	43	1521	1.980	ug/l #	82
20) Methylene Chloride	4.92	84	55838	7.447	ug/l	94
25) 2-Butanone	7.15	43	1948	1.462	ug/l #	60
29) Tetrahydrofuran	7.55	42	706	1.037	ug/l #	69
36) 1,1-Dichloropropene	7.95	75	29977	4.772	ug/l #	48
38) Carbon Tetrachloride	7.95	117	41217	6.901	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	141843	54.601	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	141843	131.419	ug/l #	15
95) Naphthalene	15.38	128	4742	4.329	ug/l	98

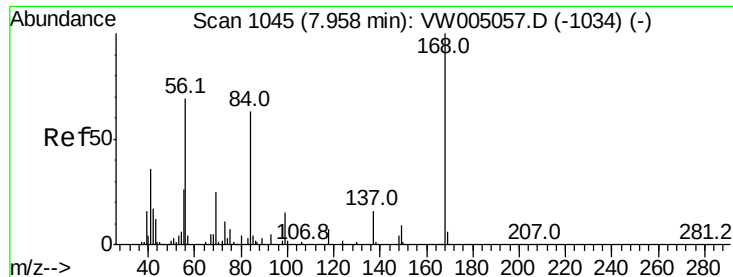
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
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: VW005078.D

Acq: 04 Sep 2018 14:42

Instrument :

MSVOA_W

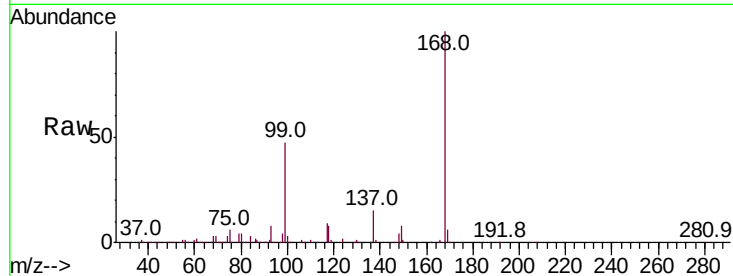
ClientSampleId :

Tot Ion:168 Resp: 462092

Ion Ratio Lower Upper

168 100

99 47.1 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

200000

150000

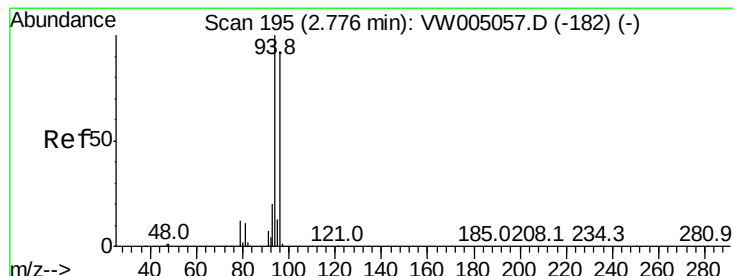
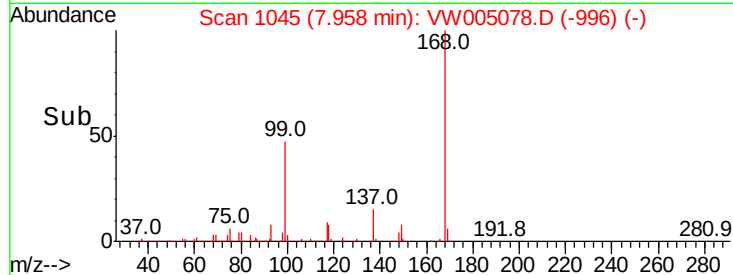
100000

50000

0

7.90 8.00

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 195

Delta R.T. -0.00 min

Lab File: VW005078.D

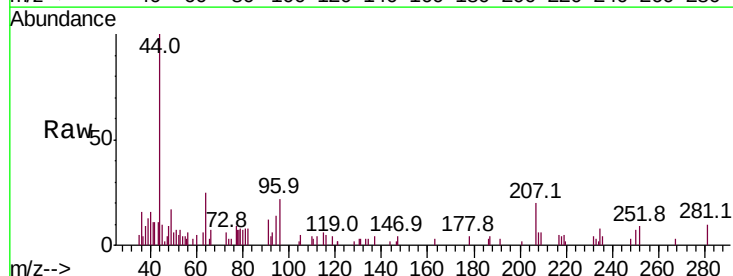
Acq: 04 Sep 2018 14:42

Tgt Ion: 94 Resp: 263

Ion Ratio Lower Upper

94 100

96 193.7 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

600

500

400

300

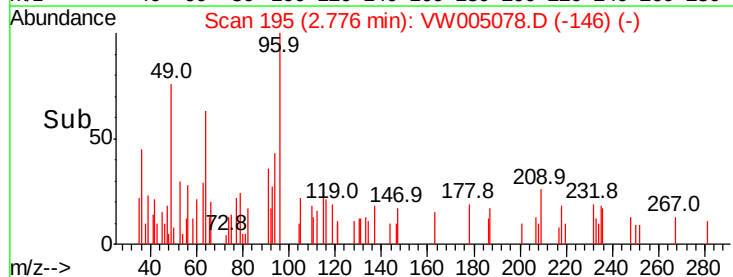
200

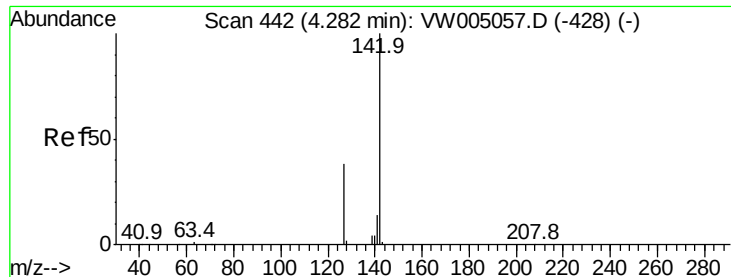
100

0

2.74 2.76 2.78 2.80

Time-->

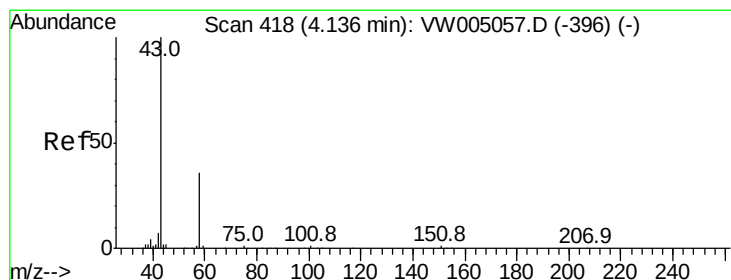
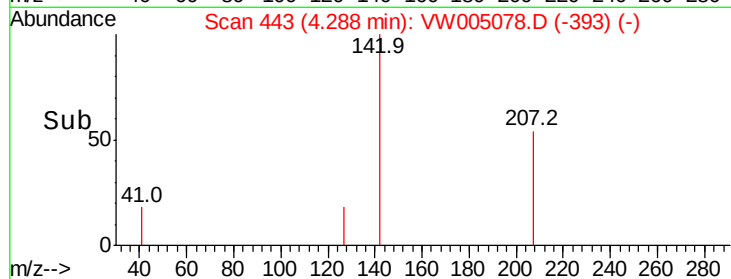
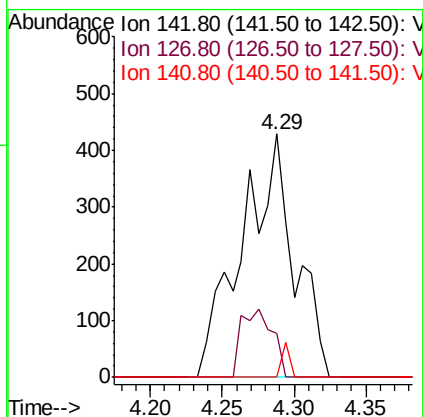
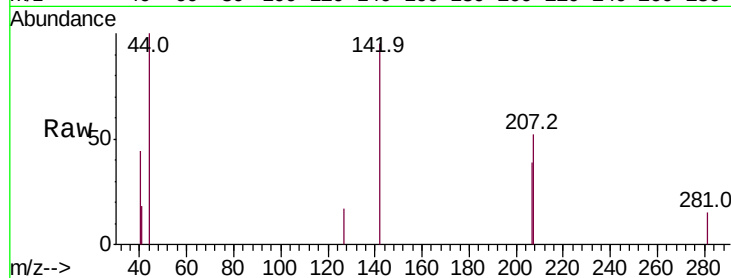




#10
Methyl Iodide
Concen: 3.984 ug/l
RT: 4.29 min Scan# 443
Delta R.T. 0.01 min
Lab File: VW005078.D
Acq: 04 Sep 2018 14:42

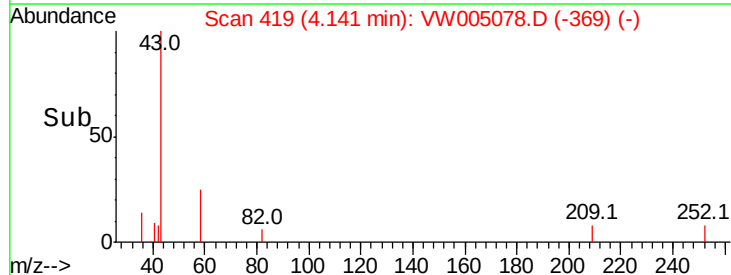
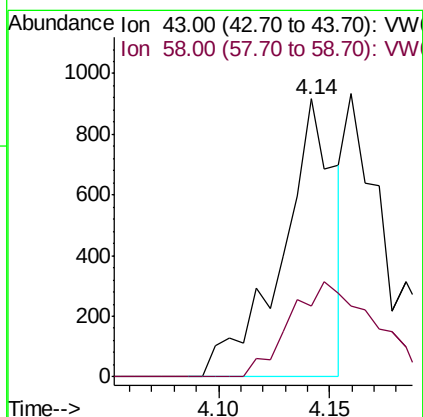
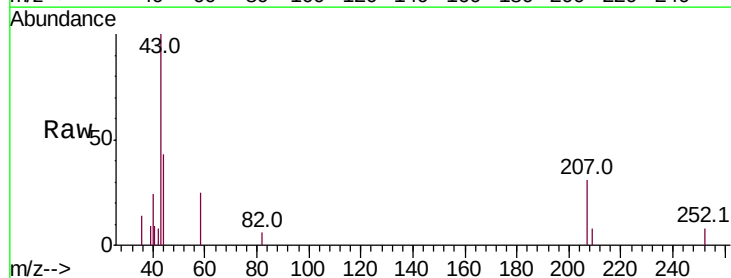
Instrument :
MSVOA_W
ClientSampled :

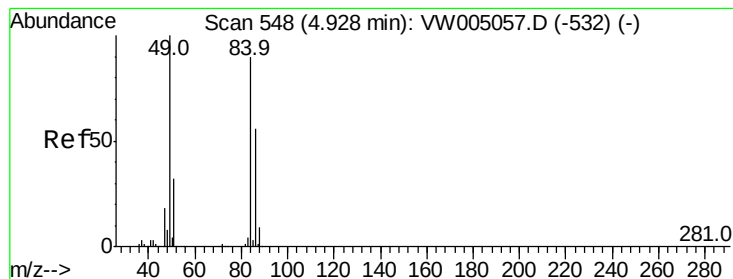
Tot Ion:142 Resp: 1084
Ion Ratio Lower Upper
142 100
127 16.6 30.8 46.2#
141 2.1 11.6 17.4#



#16
Acetone
Concen: 1.980 ug/l
RT: 4.14 min Scan# 419
Delta R.T. 0.01 min
Lab File: VW005078.D
Acq: 04 Sep 2018 14:42

Tgt Ion: 43 Resp: 1521
Ion Ratio Lower Upper
43 100
58 25.4 29.0 43.6#





#20

Methylene Chloride

Concen: 7.447 ug/l

RT: 4.92 min Scan# 546

Delta R.T. -0.01 min

Lab File: VW005078.D

Acq: 04 Sep 2018 14:42

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 84 Resp: 55838

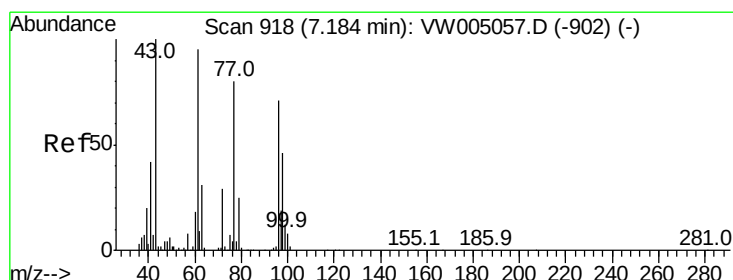
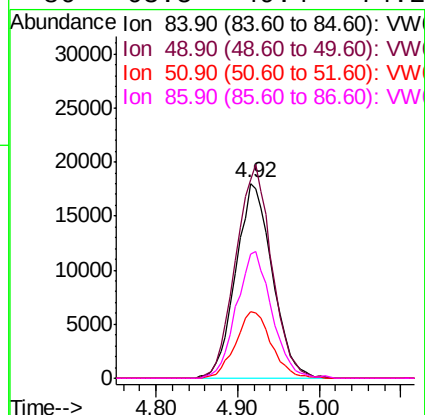
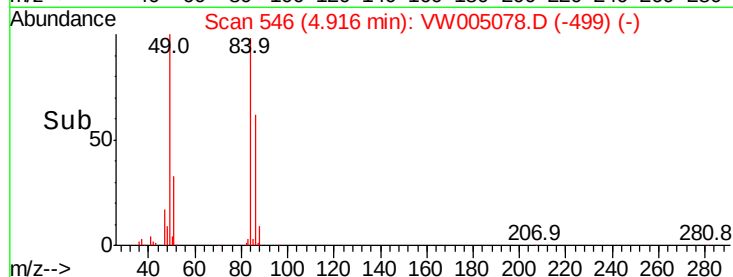
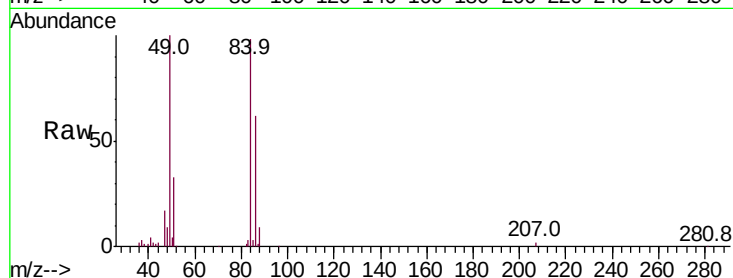
Ion Ratio Lower Upper

84 100

49 101.9 88.7 133.1

51 34.1 28.6 42.8

86 63.5 49.4 74.2



#25

2-Butanone

Concen: 1.462 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.04 min

Lab File: VW005078.D

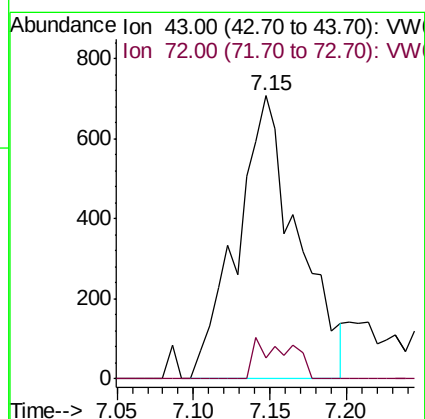
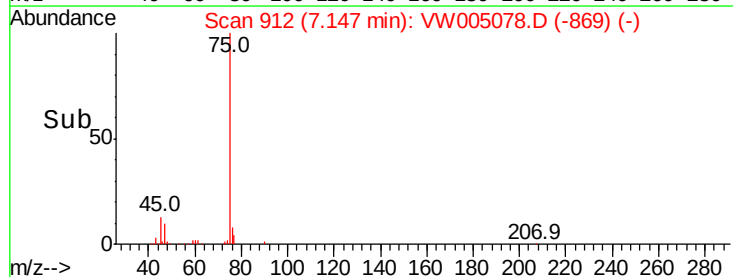
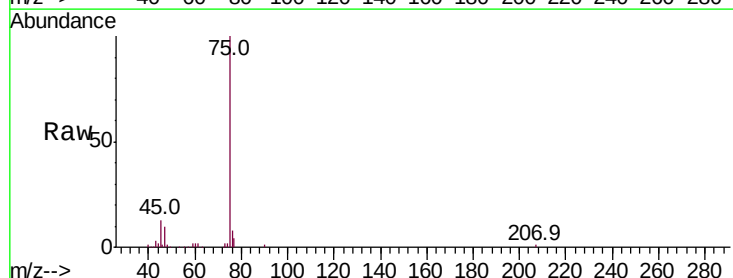
Acq: 04 Sep 2018 14:42

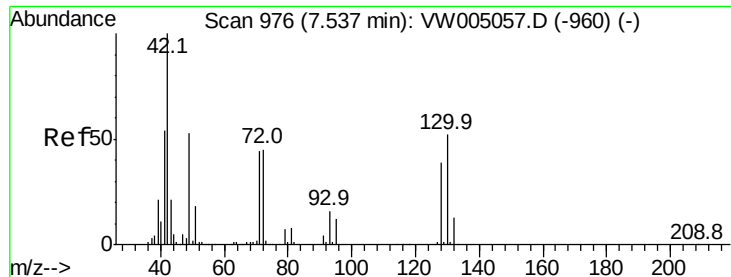
Tgt Ion: 43 Resp: 1948

Ion Ratio Lower Upper

43 100

72 7.5 23.1 34.7#





#29

Tetrahydrofuran

Concen: 1.037 ug/l

RT: 7.55 min Scan# 978

Delta R.T. 0.01 min

Lab File: VW005078.D

Acq: 04 Sep 2018 14:42

Instrument :

MSVOA_W

ClientSampleId :

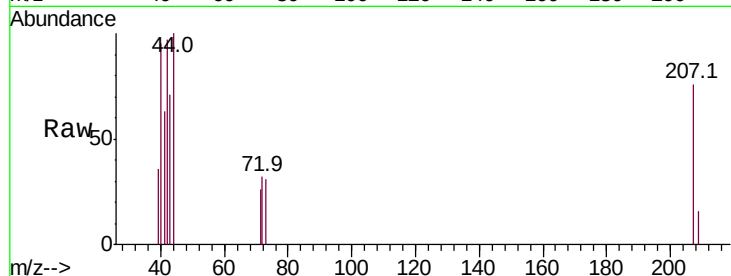
Tot Ion: 42 Resp: 706

Ion Ratio Lower Upper

42 100

72 33.6 37.0 55.4#

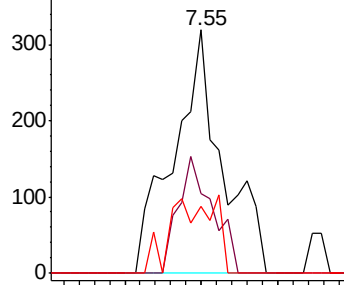
71 15.6 35.0 52.6#



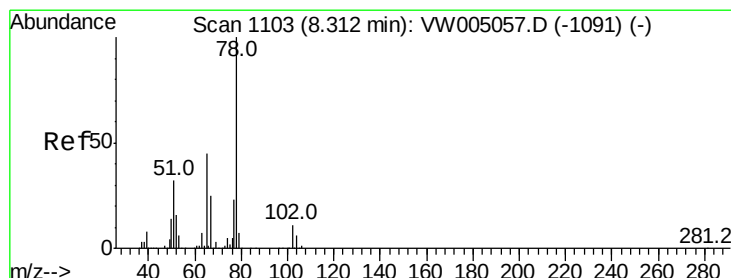
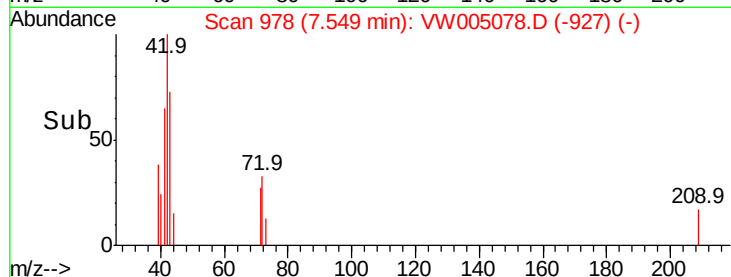
Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.806 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW005078.D

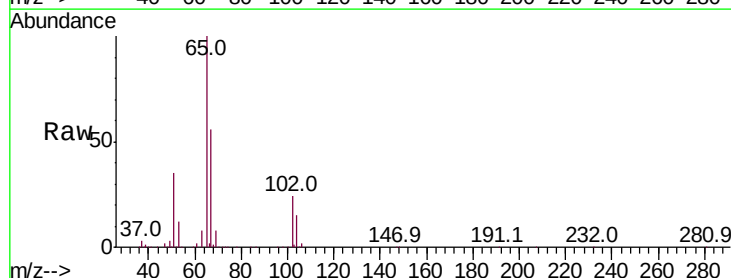
Acq: 04 Sep 2018 14:42

Tgt Ion: 65 Resp: 194613

Ion Ratio Lower Upper

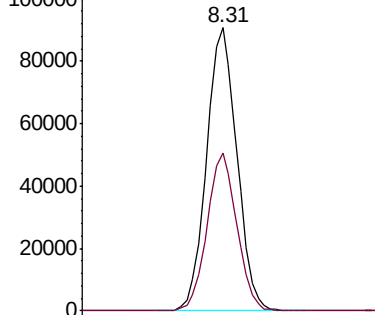
65 100

67 54.8 0.0 109.4

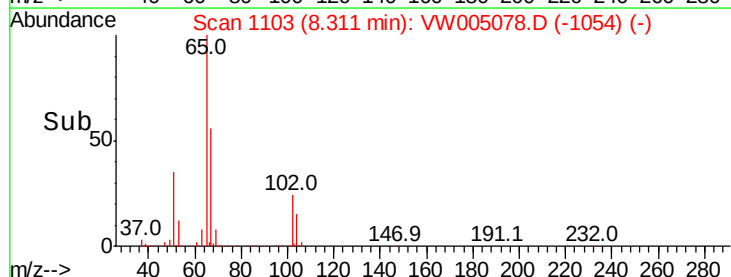


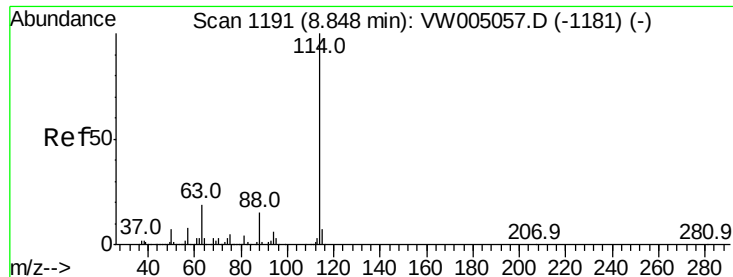
Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW005078.D

Acq: 04 Sep 2018 14:42

Instrument :
MSVOA_W
ClientSampleId :

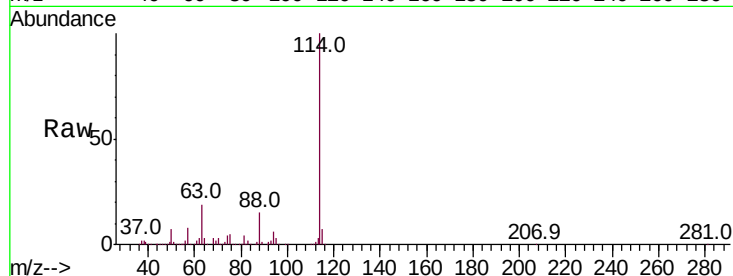
Tot Ion:114 Resp: 659559

Ion Ratio Lower Upper

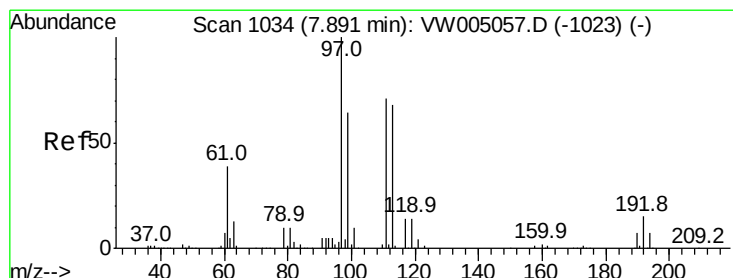
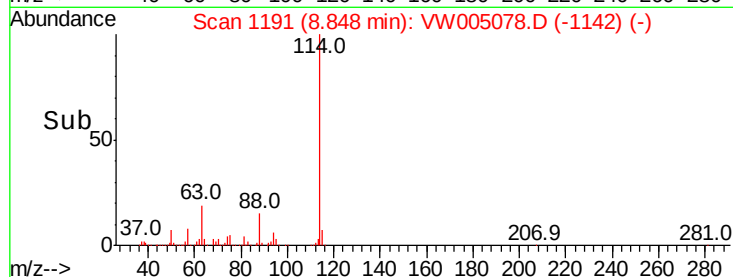
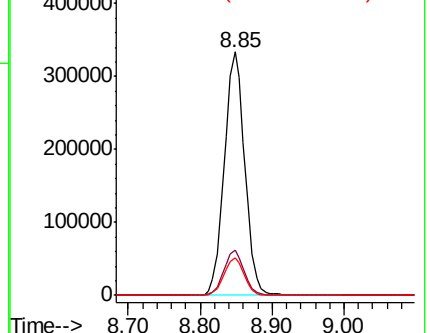
114 100

63 18.5 0.0 38.0

88 15.5 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: 53.179 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VW005078.D

Acq: 04 Sep 2018 14:42

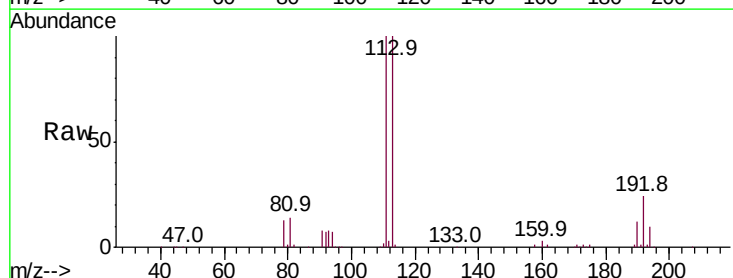
Tgt Ion:113 Resp: 202692

Ion Ratio Lower Upper

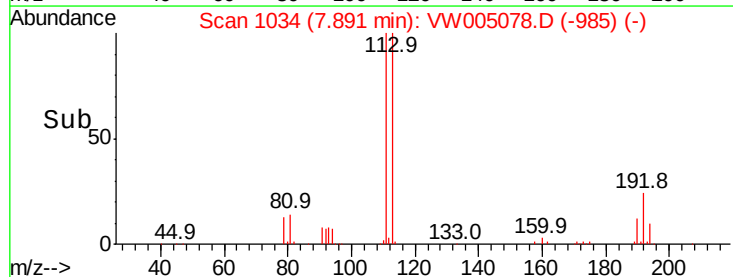
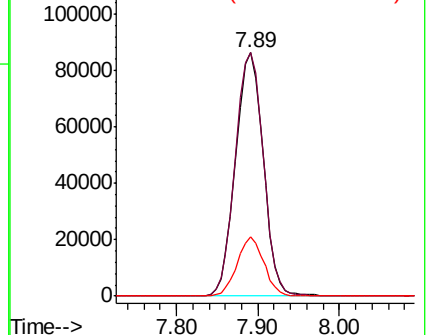
113 100

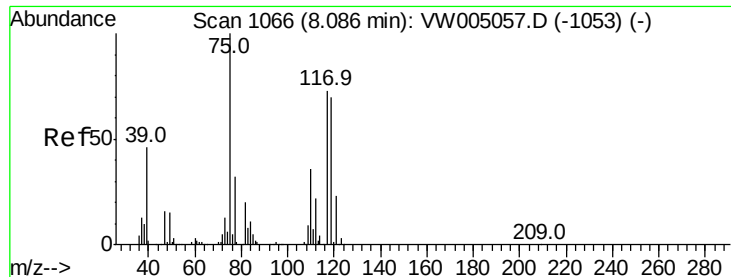
111 101.3 82.2 123.2

192 23.2 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: 4.772 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW005078.D

Acq: 04 Sep 2018 14:42

Instrument :
MSVOA_W
ClientSampleId :

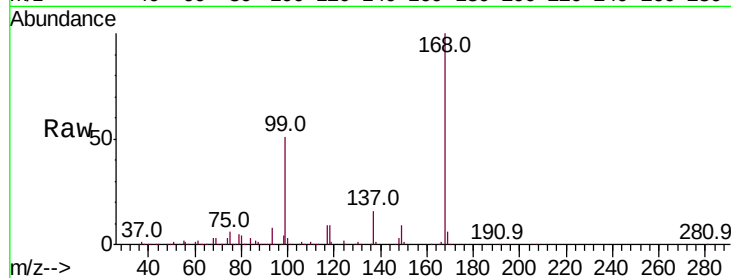
Tot Ion: 75 Resp: 29977

Ion Ratio Lower Upper

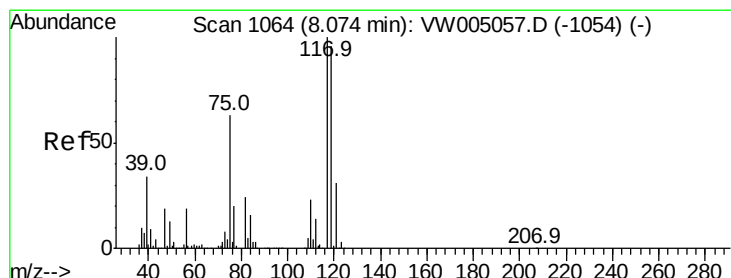
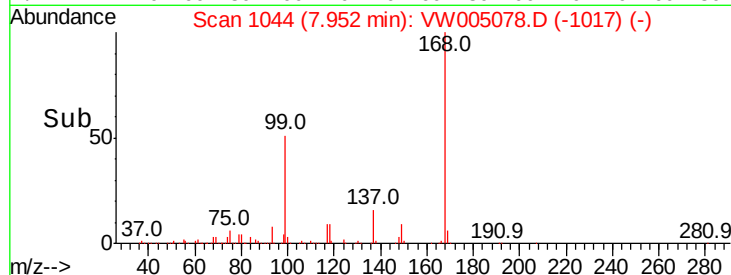
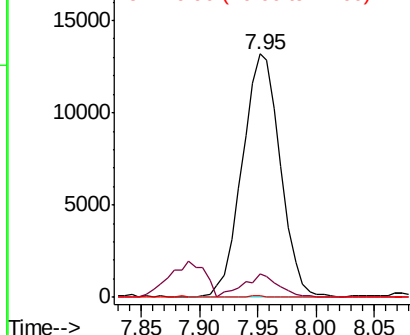
75 100

110 8.6 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: 6.901 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW005078.D

Acq: 04 Sep 2018 14:42

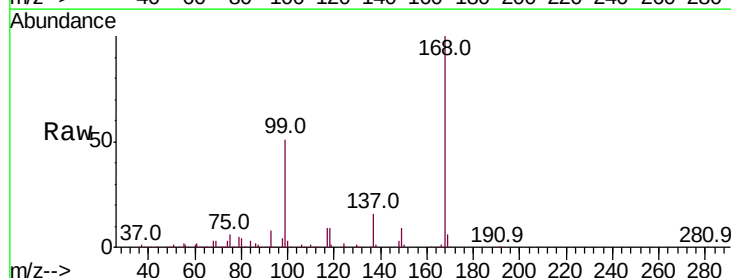
Tgt Ion: 117 Resp: 41217

Ion Ratio Lower Upper

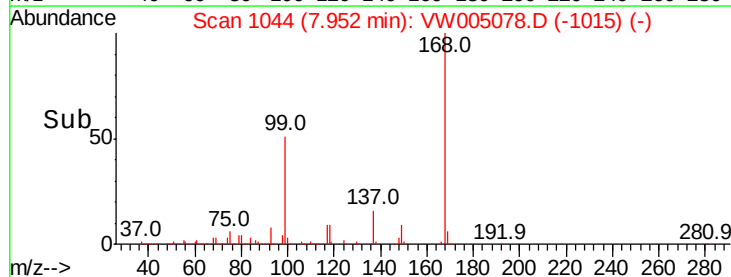
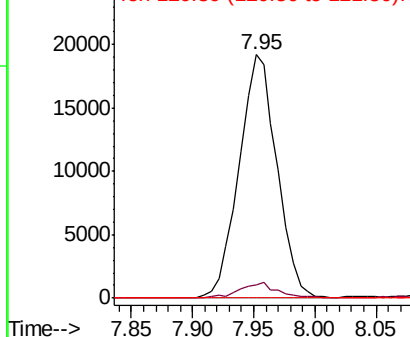
117 100

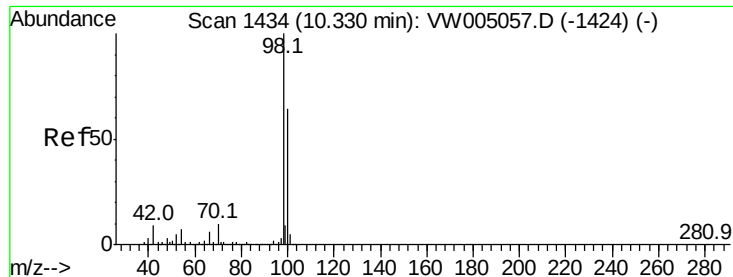
119 5.4 76.6 115.0#

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: 51.753 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW005078.D

Acq: 04 Sep 2018 14:42

Instrument :

MSVOA_W

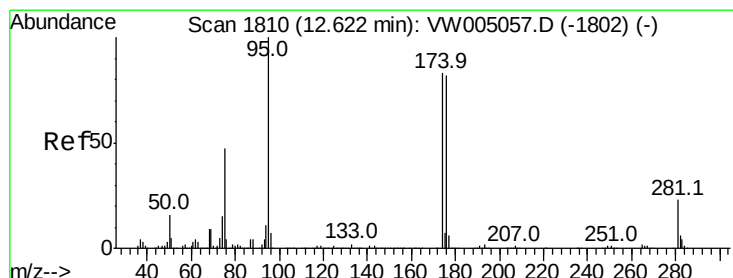
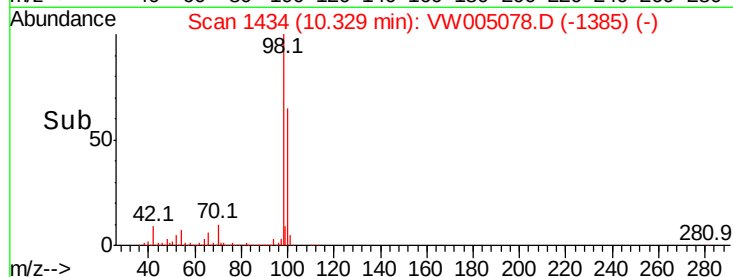
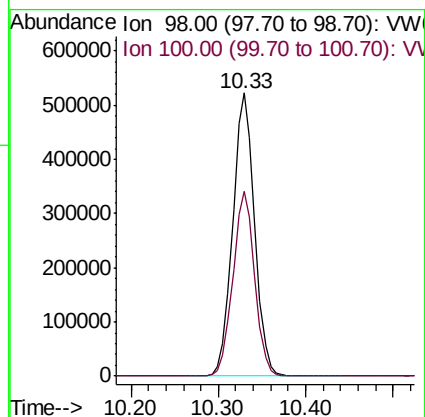
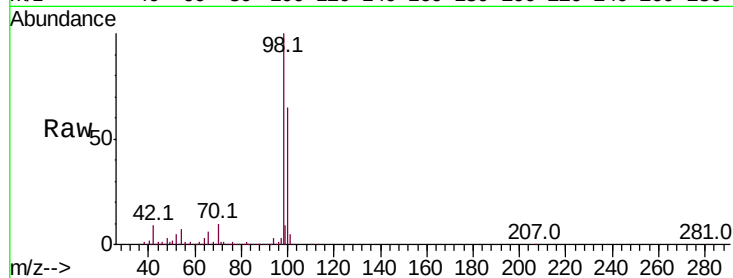
ClientSampleId :

Tot Ion: 98 Resp: 908924

Ion Ratio Lower Upper

98 100

100 65.0 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 50.717 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW005078.D

Acq: 04 Sep 2018 14:42

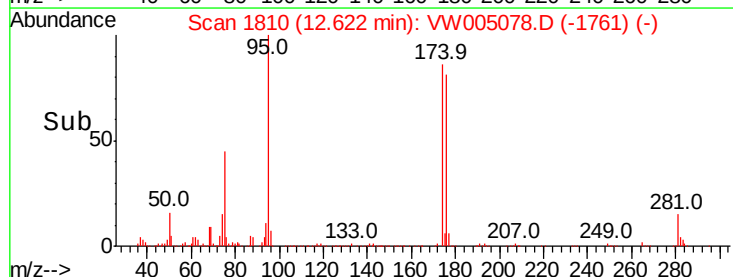
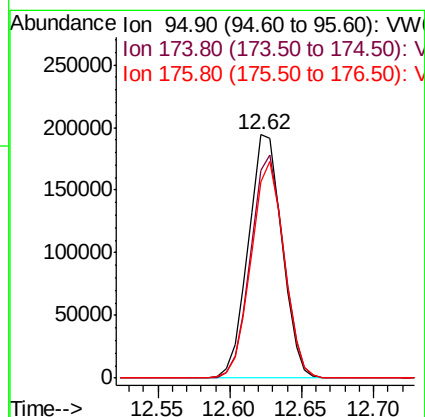
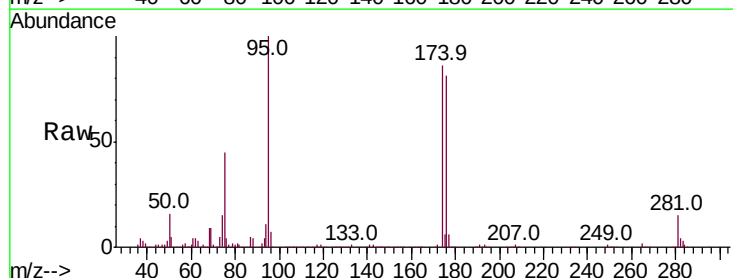
Tgt Ion: 95 Resp: 314079

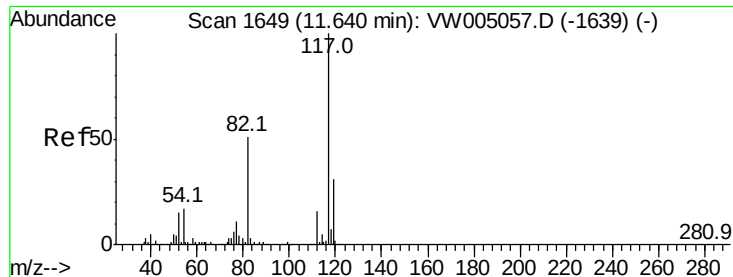
Ion Ratio Lower Upper

95 100

174 90.3 0.0 173.4

176 86.9 0.0 167.4

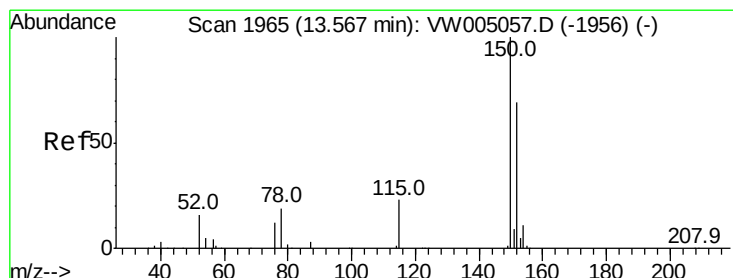
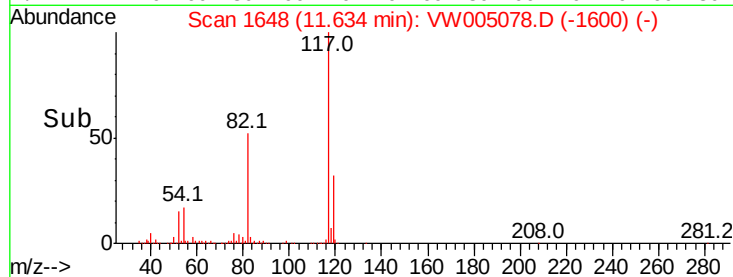
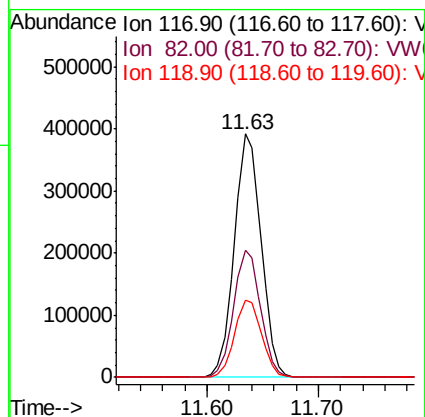
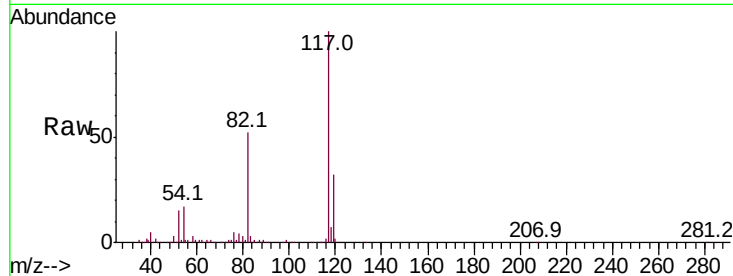




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW005078.D
Acq: 04 Sep 2018 14:42

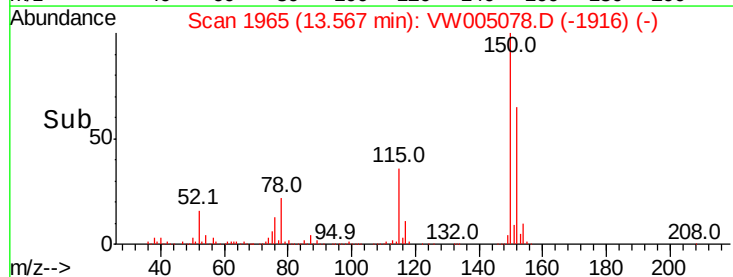
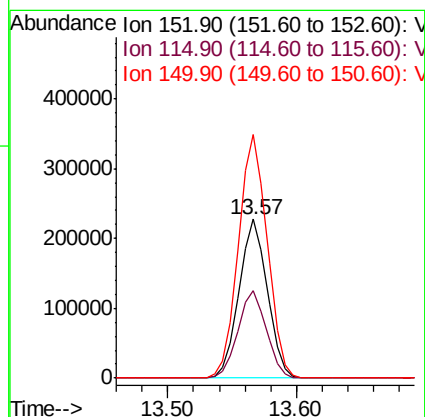
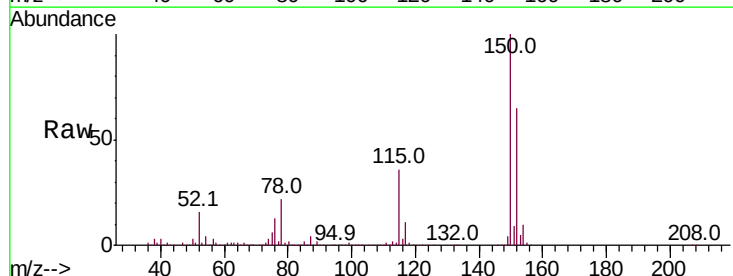
Instrument :
MSVOA_W
ClientSampled :

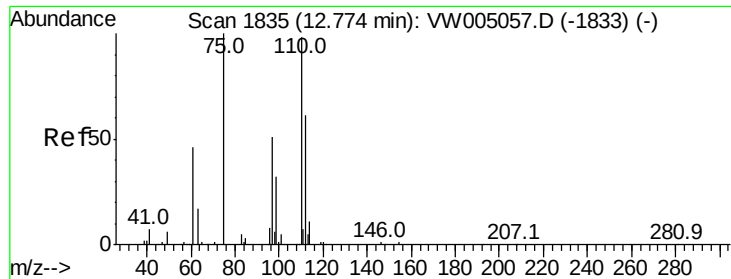
Tot Ion:117 Resp: 653292
Ion Ratio Lower Upper
117 100
82 52.3 40.9 61.3
119 31.9 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW005078.D
Acq: 04 Sep 2018 14:42

Tgt Ion:152 Resp: 346085
Ion Ratio Lower Upper
152 100
115 55.3 27.8 83.4
150 156.0 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 54.601 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW005078.D

Acq: 04 Sep 2018 14:42

Instrument :

MSVOA_W

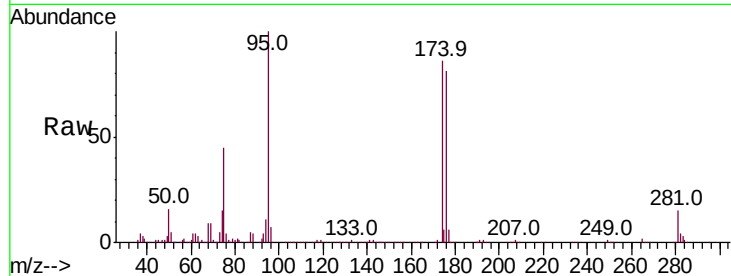
ClientSampleId :

Tot Ion: 75 Resp: 141843

Ion Ratio Lower Upper

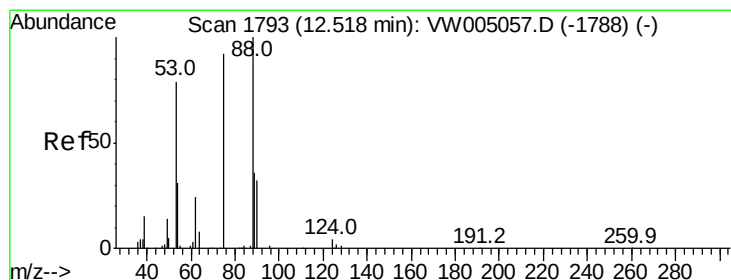
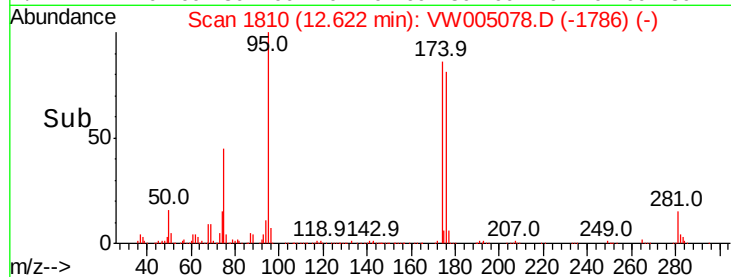
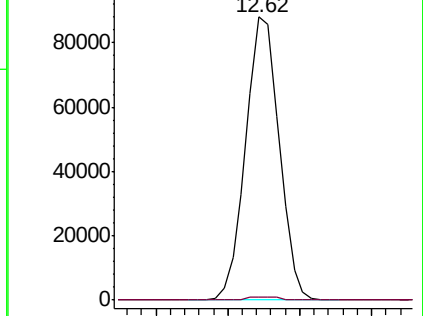
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 131.419 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW005078.D

Acq: 04 Sep 2018 14:42

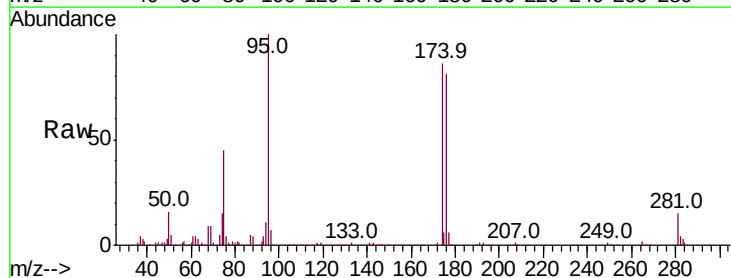
Tgt Ion: 75 Resp: 141843

Ion Ratio Lower Upper

75 100

53 0.2 69.8 104.8#

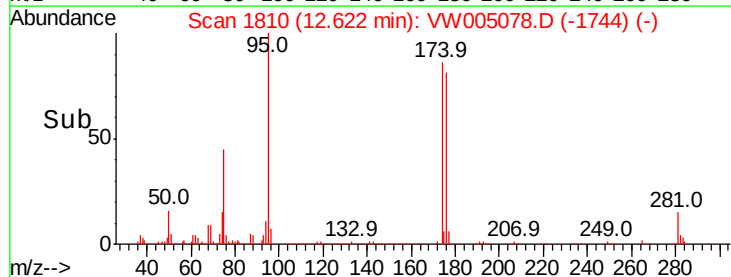
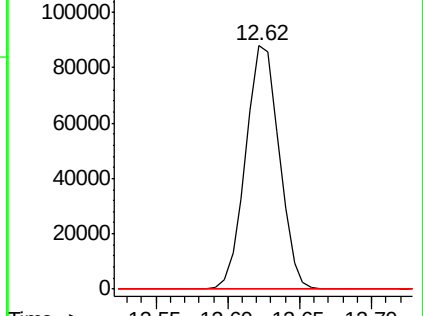
89 0.2 36.0 54.0#

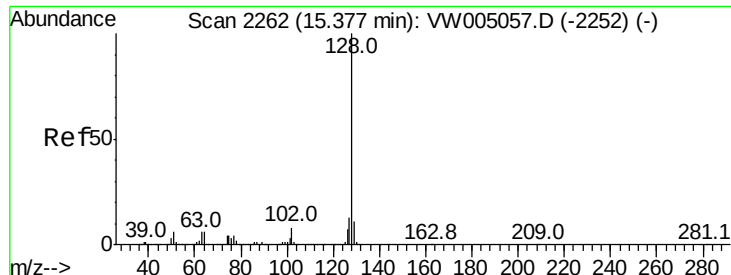


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 4.329 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW005078.D

Acq: 04 Sep 2018 14:42

Instrument :

MSVOA_W

ClientSampleId :

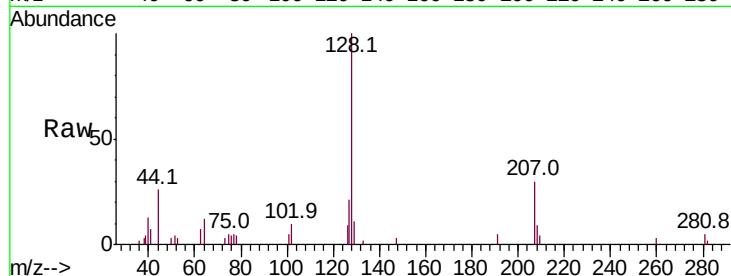
Tot Ion:128 Resp: 4742

Ion Ratio Lower Upper

128 100

127 11.7 10.4 15.6

129 10.7 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

