

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090418\
 Data File : VW005082.D
 Acq On : 04 Sep 2018 16:24
 Operator : SY/AP
 Sample : J4756-02
 Misc : 4.29G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 04 16:46:36 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	406733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	598253	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	573490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	254723	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	143481	42.56	ug/l	0.00
Spiked Amount			Recovery	=	85.12%	
35) Dibromofluoromethane	7.89	113	142982	41.36	ug/l	0.00
Spiked Amount			Recovery	=	82.72%	
50) Toluene-d8	10.33	98	562746	35.33	ug/l	0.00
Spiked Amount			Recovery	=	70.66%	
62) 4-Bromofluorobenzene	12.62	95	185372	33.00	ug/l	0.00
Spiked Amount			Recovery	=	66.00%	

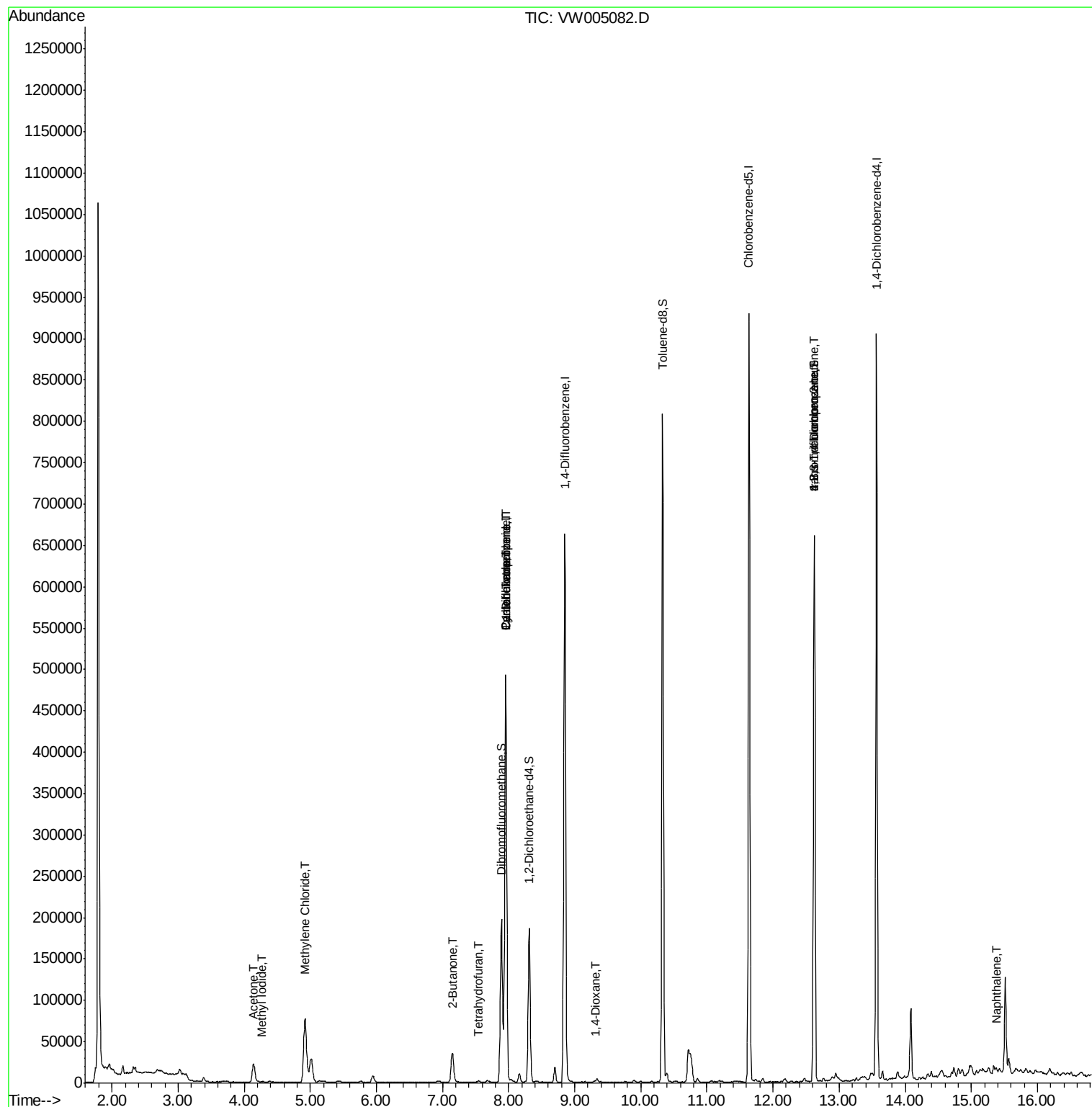
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	737	Below Cal		100
10) Methyl Iodide	4.28	142	1232	4.032	ug/l #	83
11) Tert butyl alcohol	5.19	59	2629	Below Cal		99
16) Acetone	4.14	43	38699	57.232	ug/l	94
20) Methylene Chloride	4.92	84	63848	10.936	ug/l	96
25) 2-Butanone	7.15	43	1734	1.478	ug/l #	75
29) Tetrahydrofuran	7.54	42	1607	2.682	ug/l #	73
31) Cyclohexane	7.95	56	7818	1.181	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	25900	4.546	ug/l #	48
38) Carbon Tetrachloride	7.96	117	35241	6.505	ug/l #	16
49) 1,4-Dioxane	9.31	88	57	1.730	ug/l #	23
76) 1,2,3-Trichloropropane	12.62	75	86278	45.124	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	86278	108.609	ug/l #	15
95) Naphthalene	15.38	128	6004	4.581	ug/l #	93

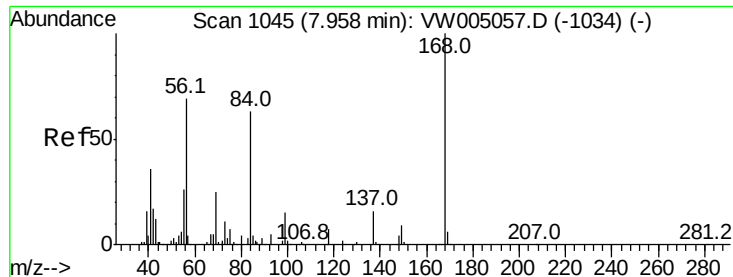
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090418\
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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: VW005082.D

Acq: 04 Sep 2018 16:24

Instrument :

MSVOA_W

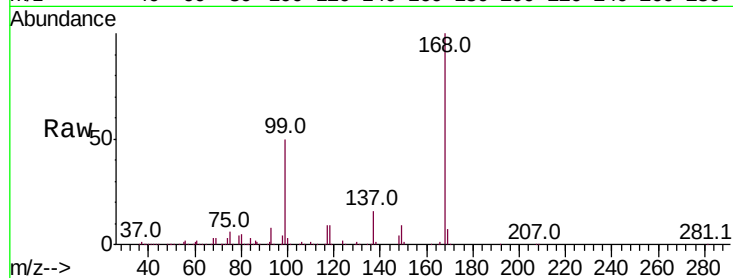
ClientSampleId :

Tot Ion:168 Resp: 406733

Ion Ratio Lower Upper

168 100

99 50.0 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

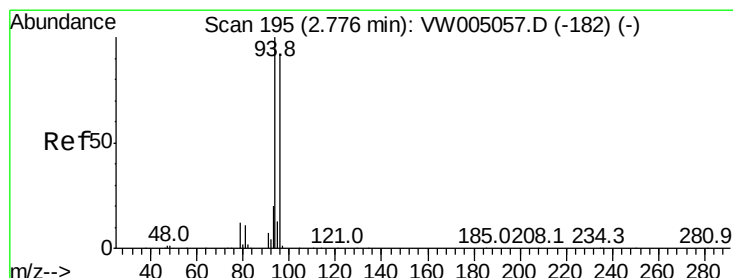
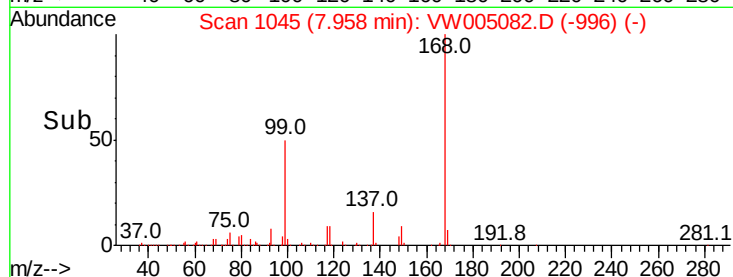
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 195

Delta R.T. -0.00 min

Lab File: VW005082.D

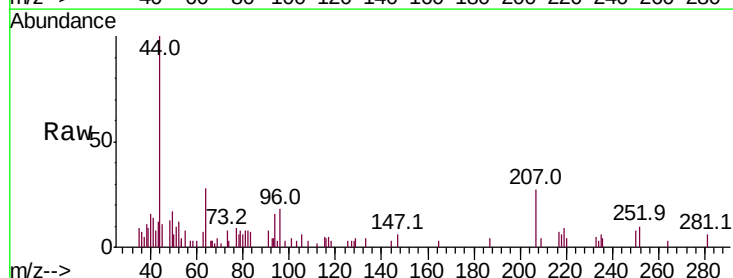
Acq: 04 Sep 2018 16:24

Tgt Ion: 94 Resp: 737

Ion Ratio Lower Upper

94 100

96 91.0 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

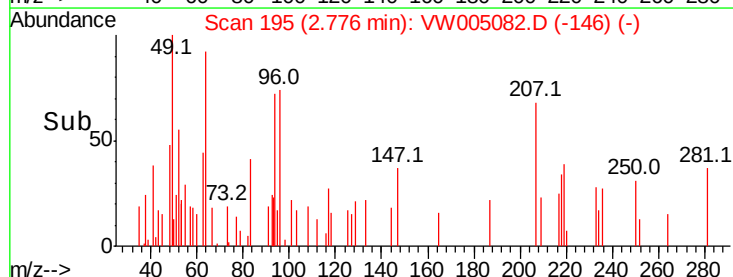
200

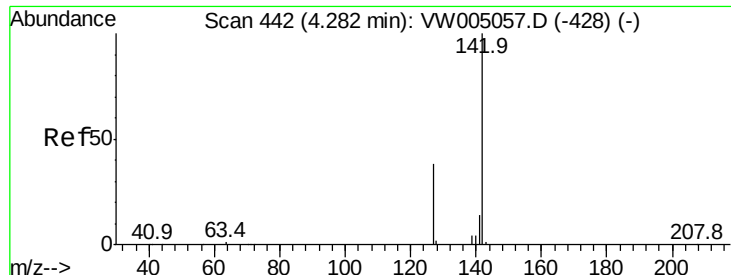
100

0

2.70 2.75 2.80

Time-->

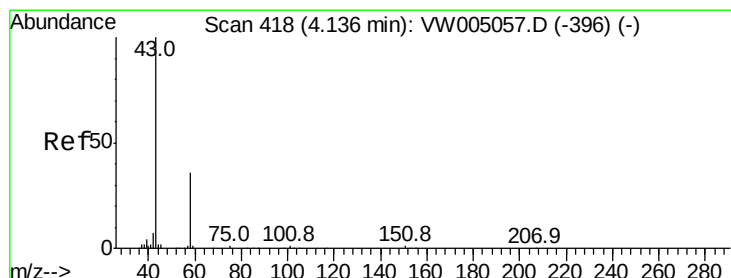
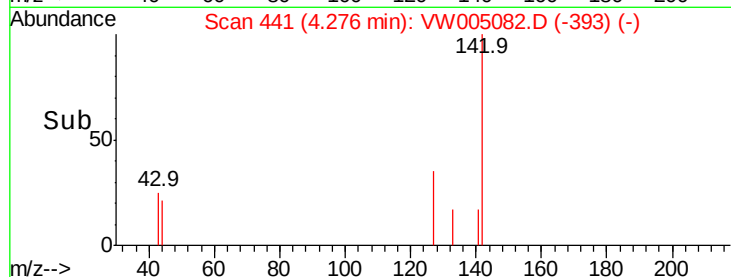
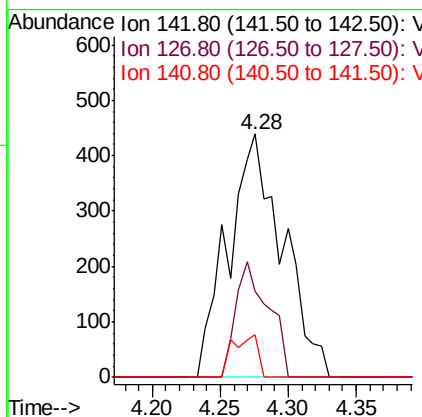
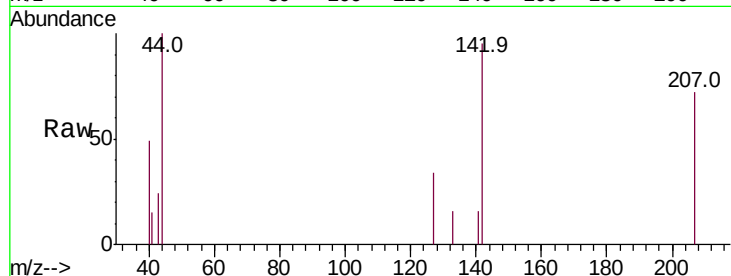




#10
Methvl Iodide
Concen: 4.032 ug/l
RT: 4.28 min Scan# 441
Delta R.T. -0.01 min
Lab File: VW005082.D
Acq: 04 Sep 2018 16:24

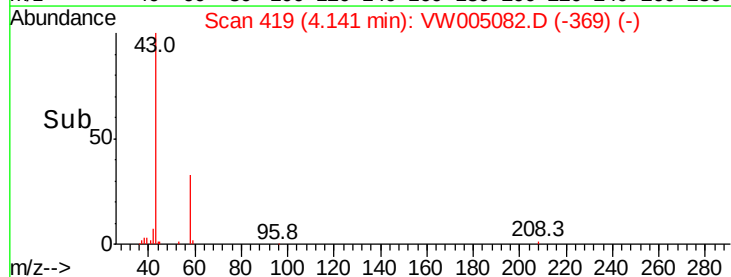
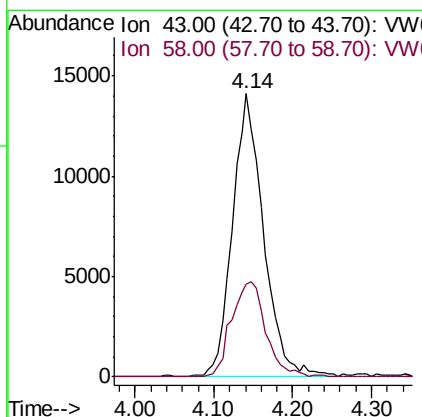
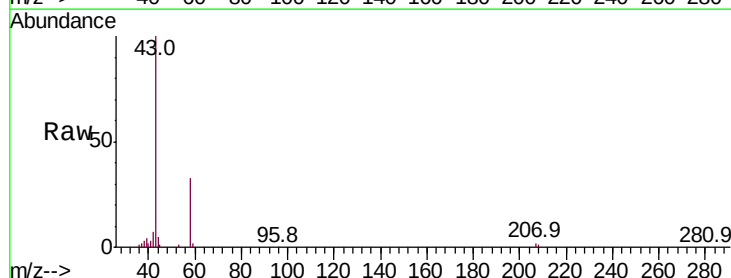
Instrument :
MSVOA_W
ClientSampled :

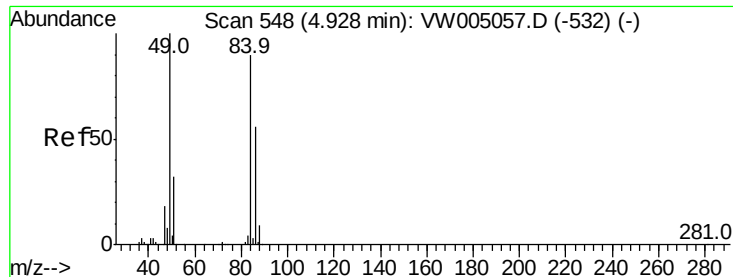
Tot Ion:142 Resp: 1232
Ion Ratio Lower Upper
142 100
127 28.3 30.8 46.2#
141 7.9 11.6 17.4#



#16
Acetone
Concen: 57.232 ug/l
RT: 4.14 min Scan# 419
Delta R.T. 0.01 min
Lab File: VW005082.D
Acq: 04 Sep 2018 16:24

Tgt Ion: 43 Resp: 38699
Ion Ratio Lower Upper
43 100
58 32.5 29.0 43.6

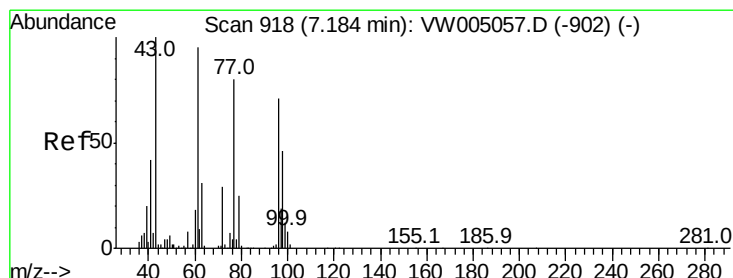
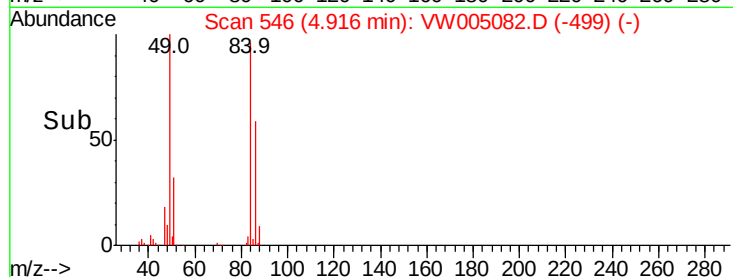
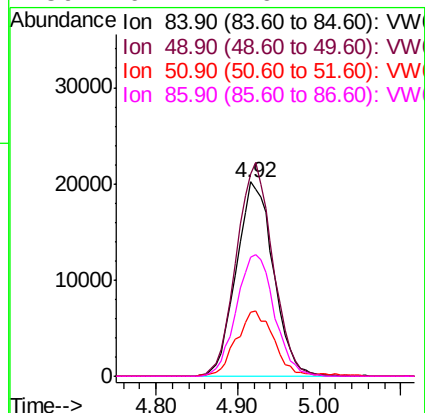
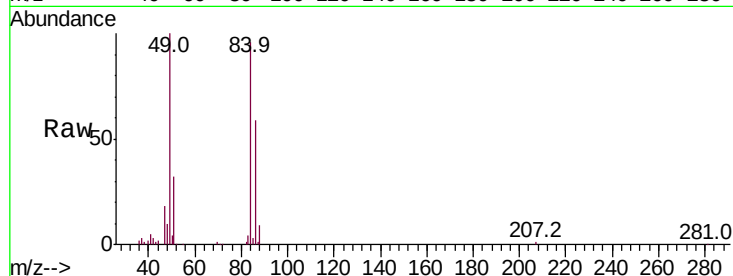




#20
Methylene Chloride
Concen: 10.936 ug/l
RT: 4.92 min Scan# 546
Delta R.T. -0.01 min
Lab File: VW005082.D
Acq: 04 Sep 2018 16:24

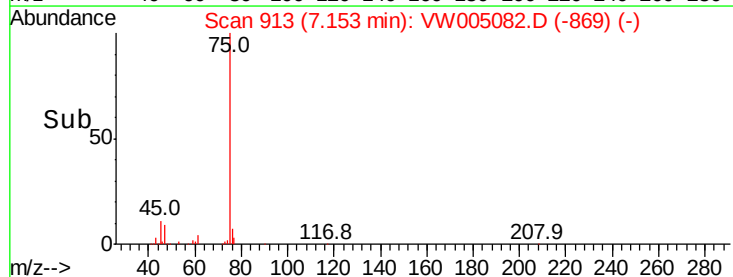
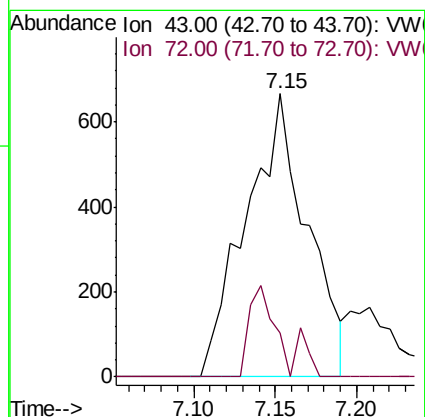
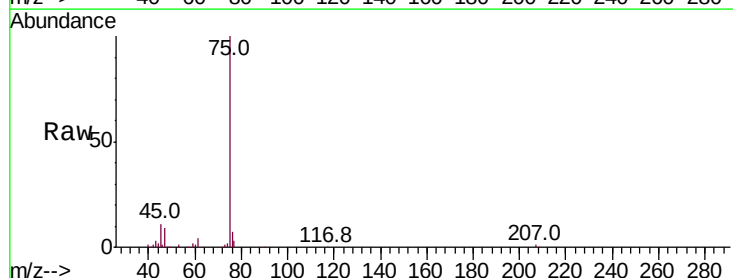
Instrument :
MSVOA_W
ClientSampleId :

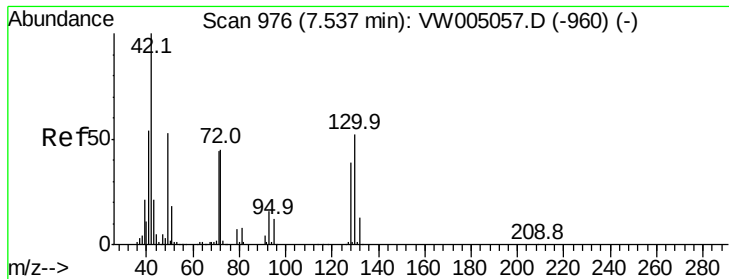
Tot Ion: 84 Resp: 63848
Ion Ratio Lower Upper
84 100
49 104.3 88.7 133.1
51 33.1 28.6 42.8
86 61.4 49.4 74.2



#25
2-Butanone
Concen: 1.478 ug/l
RT: 7.15 min Scan# 913
Delta R.T. -0.03 min
Lab File: VW005082.D
Acq: 04 Sep 2018 16:24

Tgt Ion: 43 Resp: 1734
Ion Ratio Lower Upper
43 100
72 15.6 23.1 34.7#





#29

Tetrahydrofuran

Concen: 2.682 ug/l

RT: 7.54 min Scan# 977

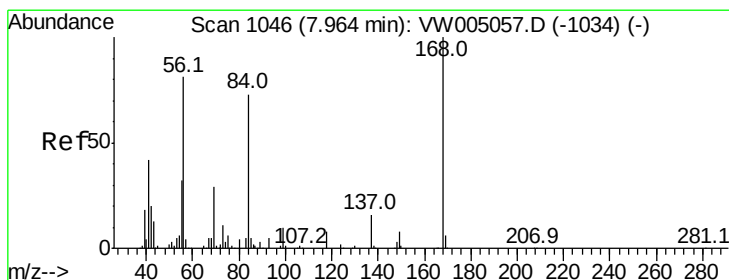
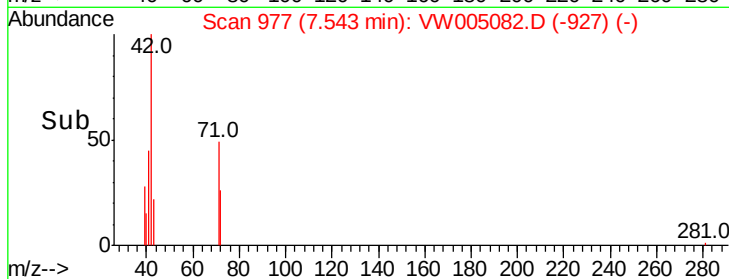
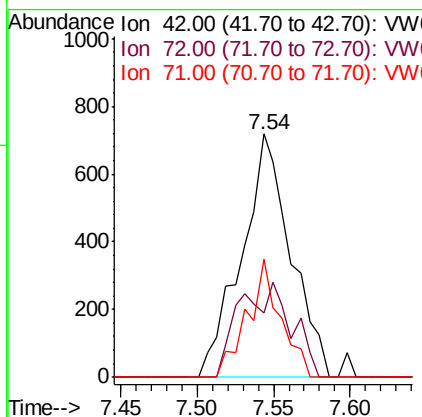
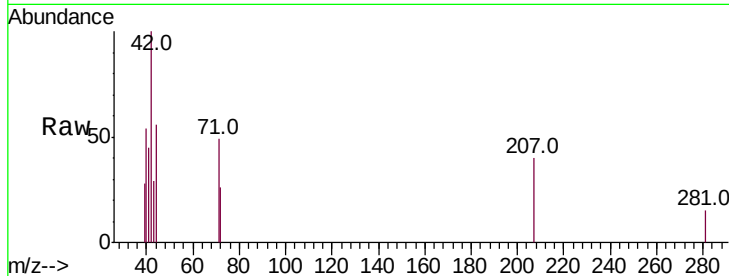
Delta R.T. 0.01 min

Lab File: VW005082.D

Acq: 04 Sep 2018 16:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	42	Resp:	1607
Ion	Ratio	Lower	Upper
42	100		
72	21.8	37.0	55.4#
71	32.5	35.0	52.6#



#31

Cyclohexane

Concen: 1.181 ug/l

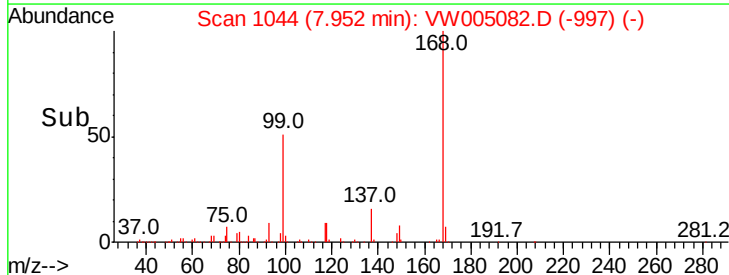
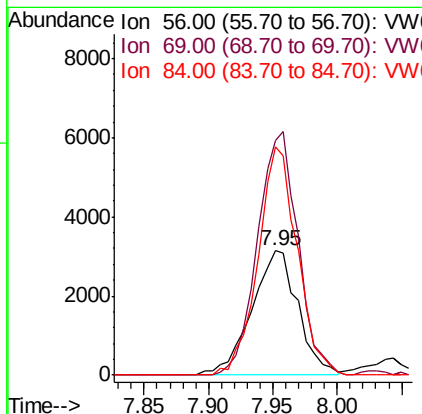
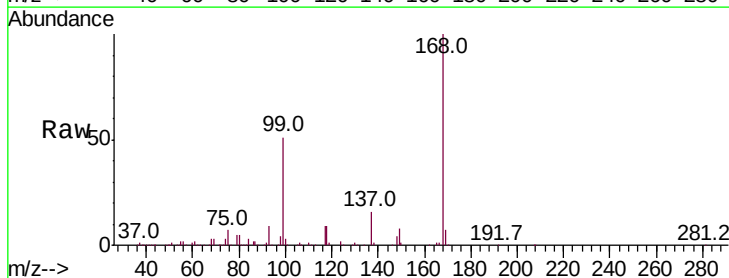
RT: 7.95 min Scan# 1044

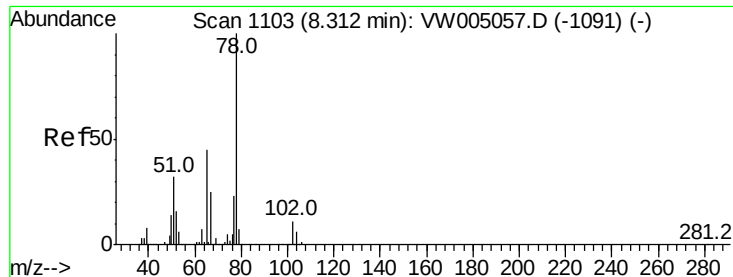
Delta R.T. -0.01 min

Lab File: VW005082.D

Acq: 04 Sep 2018 16:24

Tgt Ion:	56	Resp:	7818
Ion	Ratio	Lower	Upper
56	100		
69	189.3	28.2	42.2#
84	184.1	71.8	107.8#

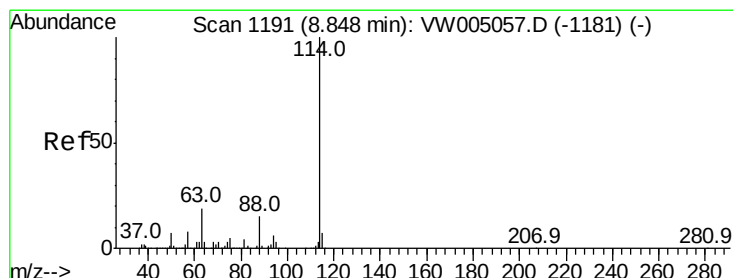
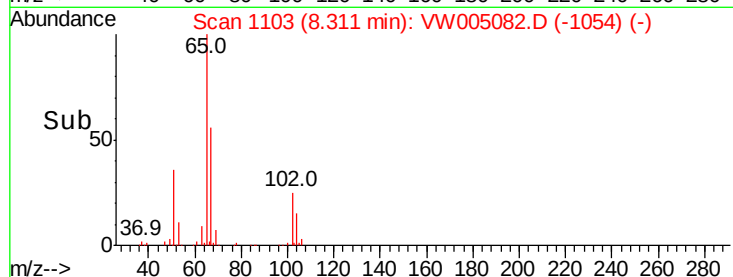
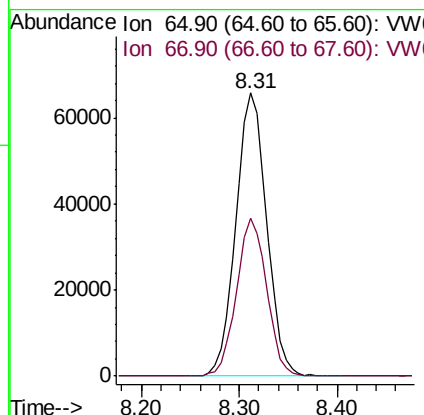
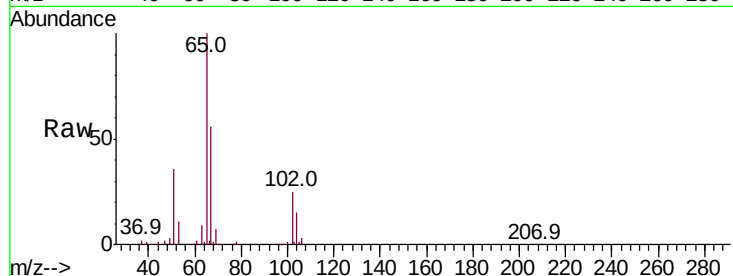




#33
 1,2-Dichloroethane-d4
 Concen: 42.555 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW005082.D
 Acq: 04 Sep 2018 16:24

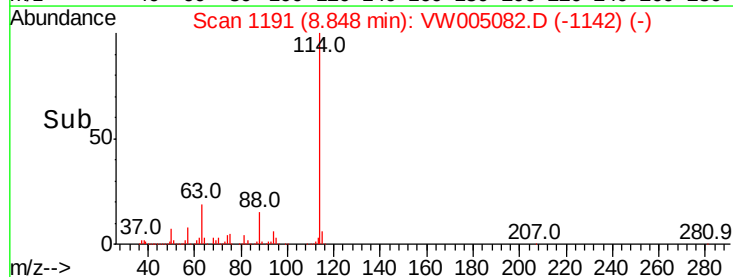
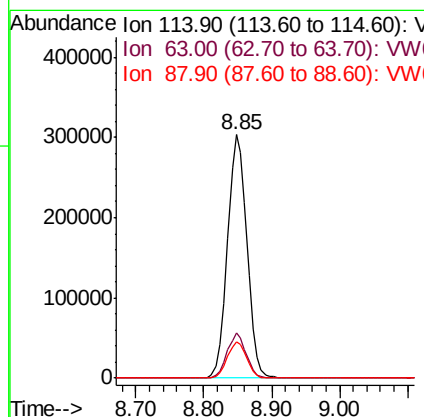
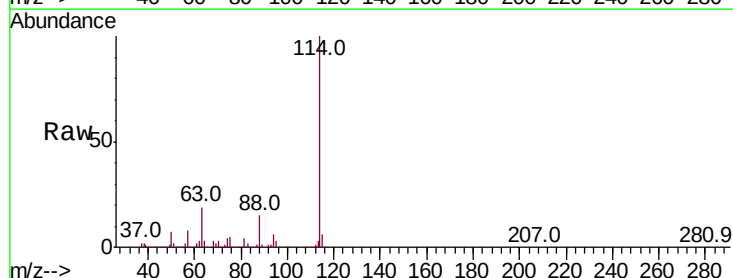
Instrument :
 MSVOA_W
 ClientSampled :

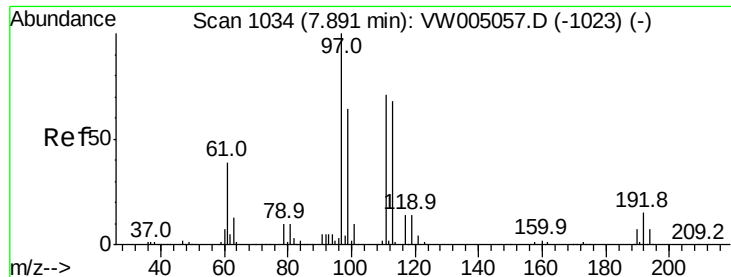
Tot Ion: 65 Resp: 143481
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW005082.D
 Acq: 04 Sep 2018 16:24

Tgt Ion: 114 Resp: 598253
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 38.0
 88 15.0 0.0 30.2

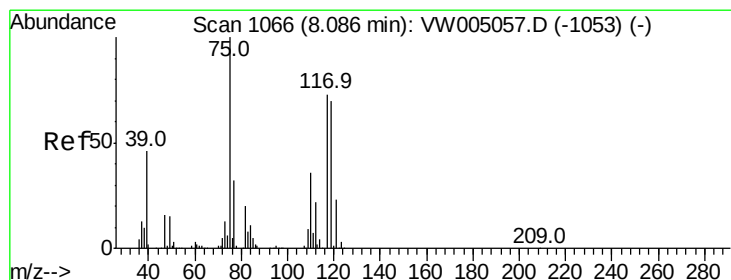
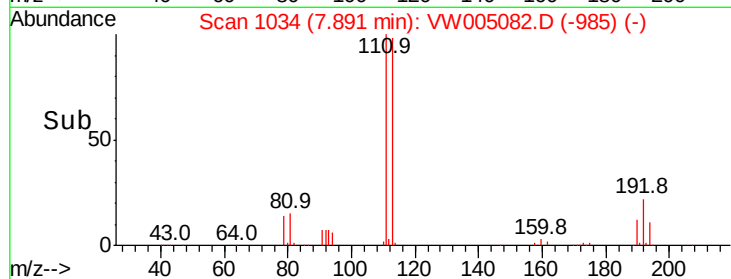
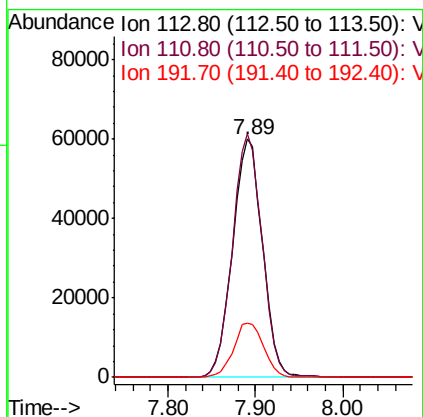
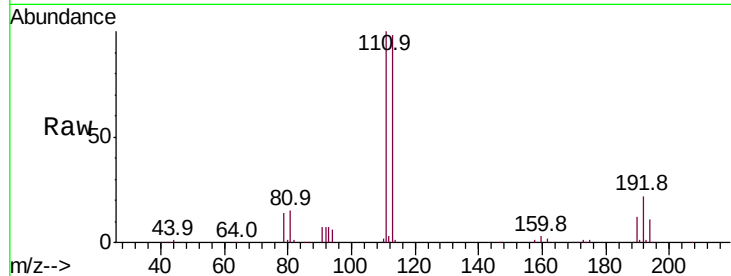




#35
 Dibromofluoromethane
 Concen: 41.358 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: VW005082.D
 Acq: 04 Sep 2018 16:24

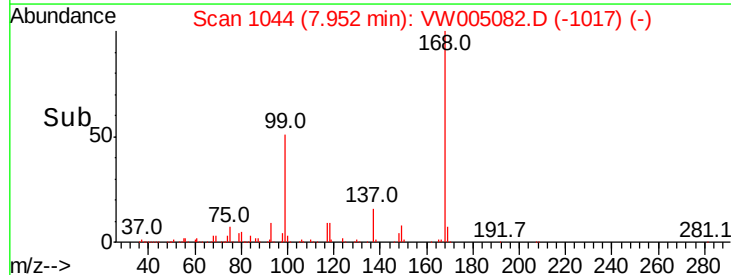
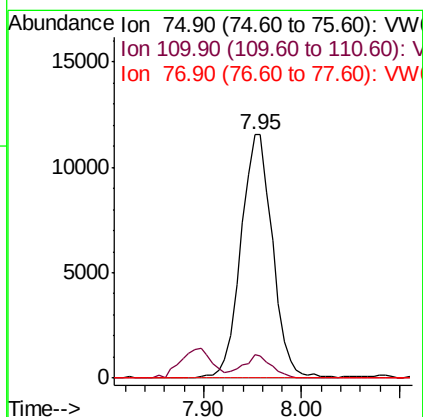
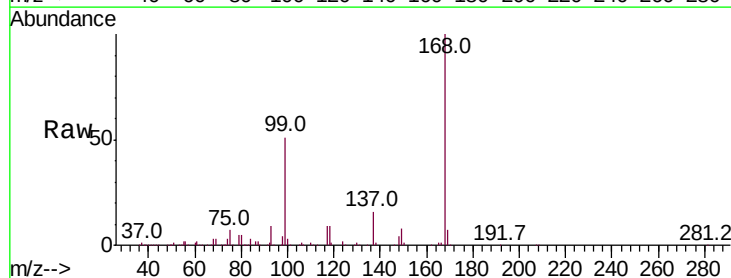
Instrument :
 MSVOA_W
 ClientSampleId :

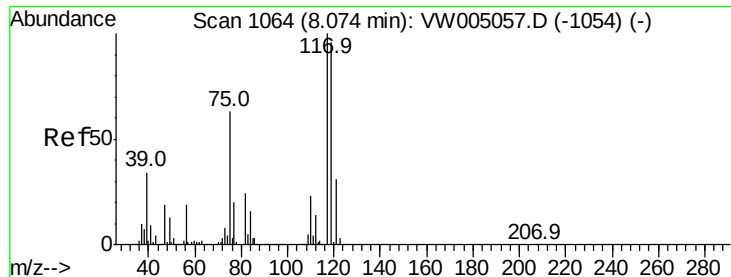
Tot Ion:113 Resp: 142982
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.2 123.2
 192 22.9 18.1 27.1



#36
 1,1-Dichloropropene
 Concen: 4.546 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW005082.D
 Acq: 04 Sep 2018 16:24

Tgt Ion: 75 Resp: 25900
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.9 56.7#
 77 0.0 25.5 38.3#





#38

Carbon Tetrachloride

Concen: 6.505 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.12 min

Lab File: VW005082.D

Acq: 04 Sep 2018 16:24

Instrument :

MSVOA_W

ClientSampleId :

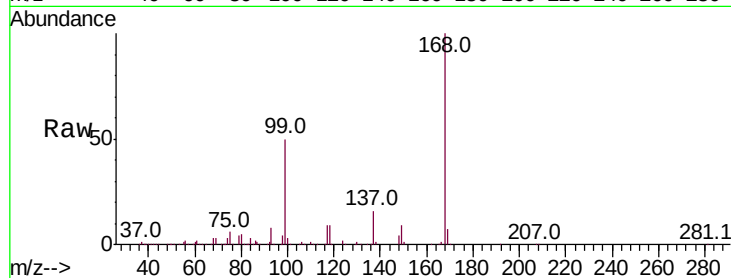
Tot Ion:117 Resp: 35241

Ion Ratio Lower Upper

117 100

119 5.4 76.6 115.0#

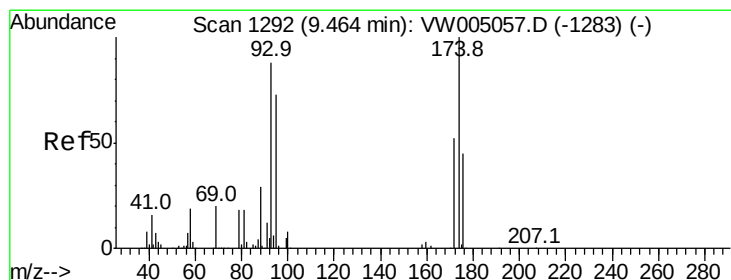
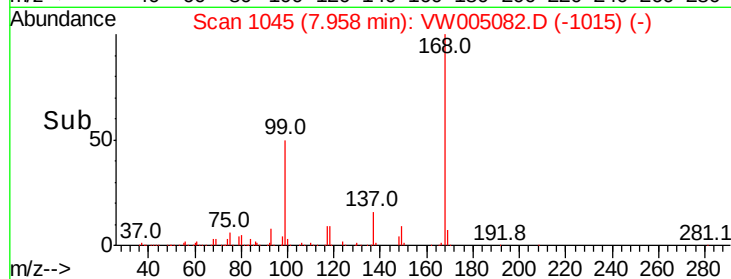
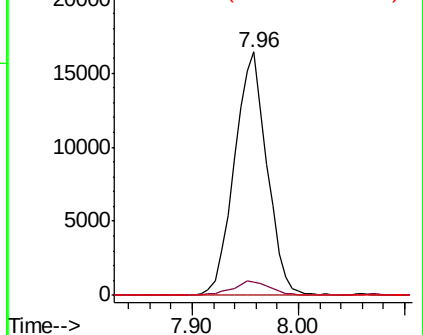
121 0.0 24.8 37.2#



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



#49

1,4-Dioxane

Concen: 1.730 ug/l

RT: 9.31 min Scan# 1266

Delta R.T. -0.16 min

Lab File: VW005082.D

Acq: 04 Sep 2018 16:24

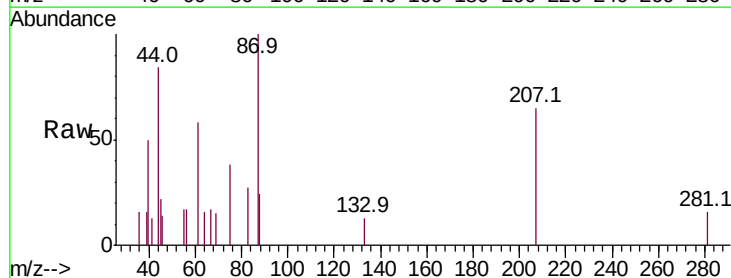
Tgt Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

43 0.0 19.8 29.6#

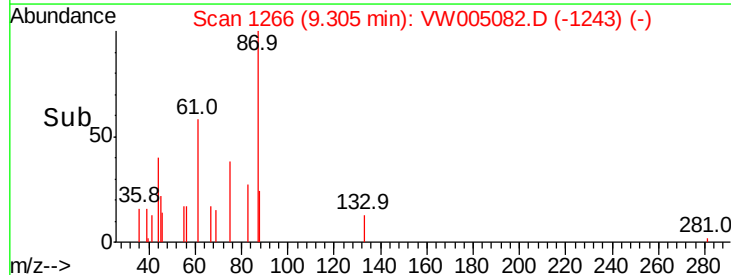
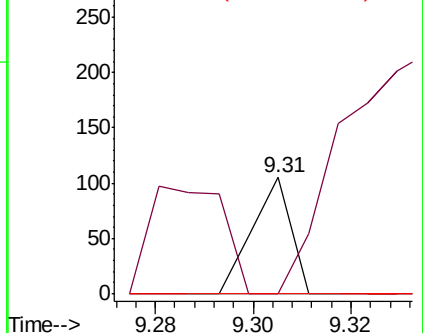
58 0.0 57.1 85.7#

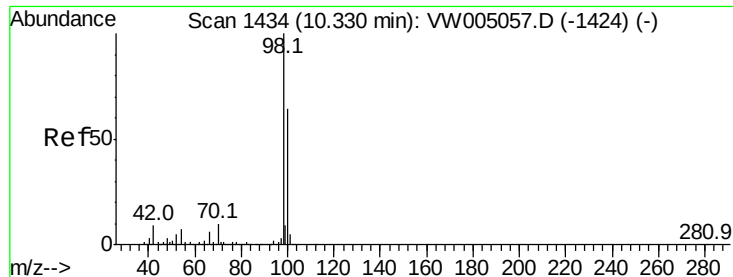


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 35.326 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW005082.D

Acq: 04 Sep 2018 16:24

Instrument :

MSVOA_W

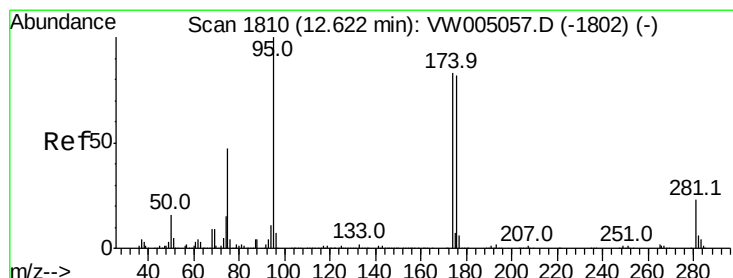
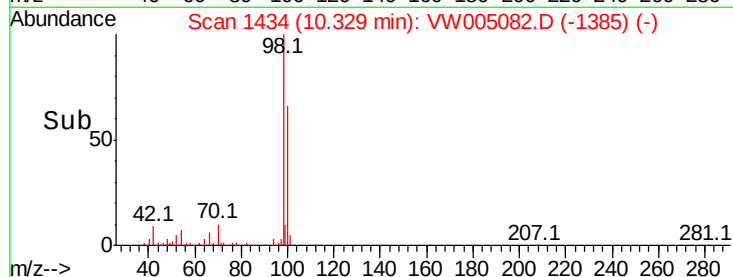
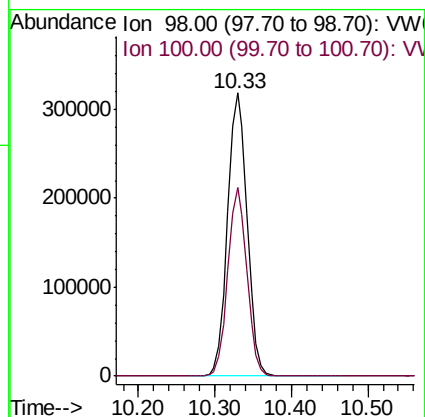
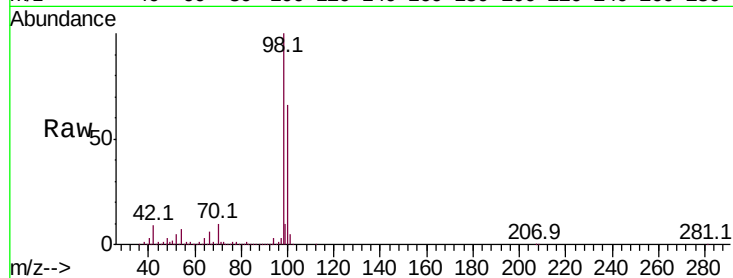
ClientSampleId :

Tot Ion: 98 Resp: 562746

Ion Ratio Lower Upper

98 100

100 65.0 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 33.001 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW005082.D

Acq: 04 Sep 2018 16:24

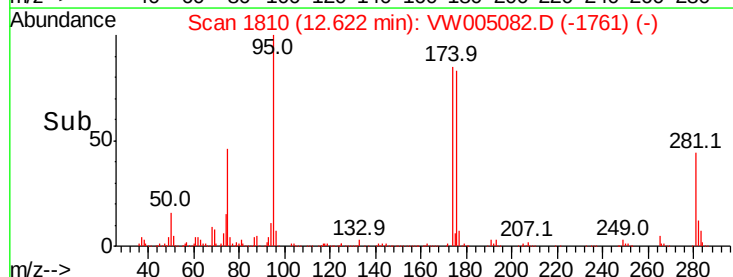
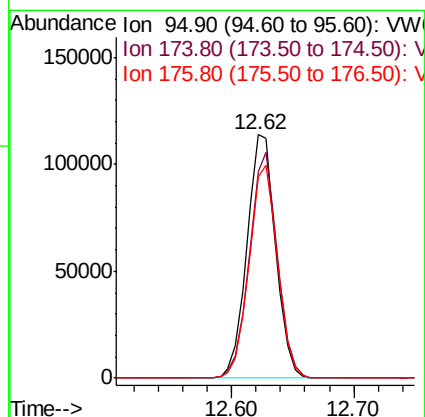
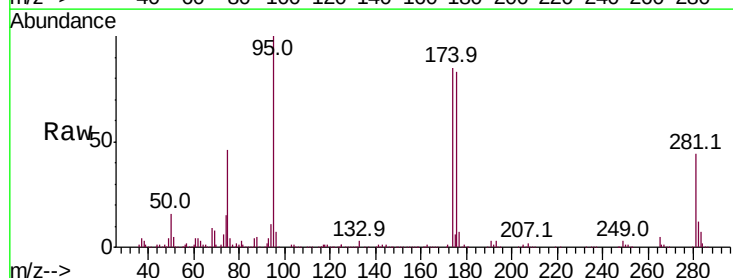
Tgt Ion: 95 Resp: 185372

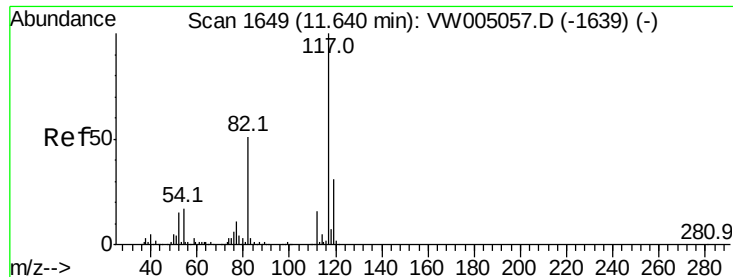
Ion Ratio Lower Upper

95 100

174 90.7 0.0 173.4

176 86.9 0.0 167.4

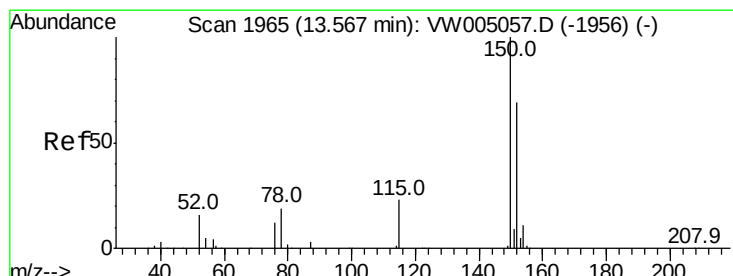
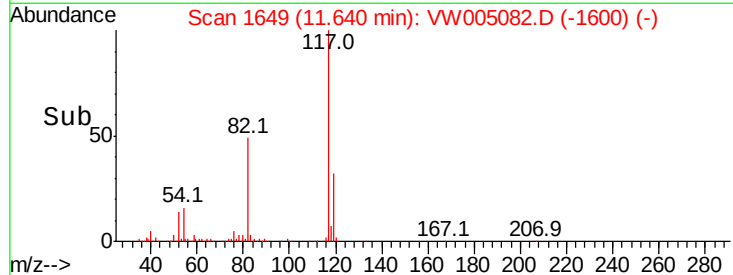
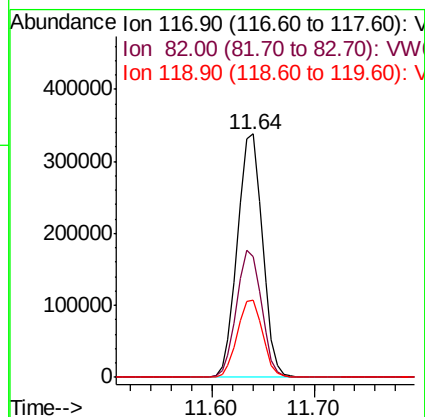
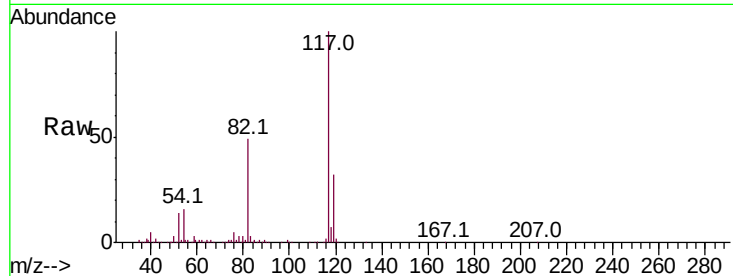




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW005082.D
Acq: 04 Sep 2018 16:24

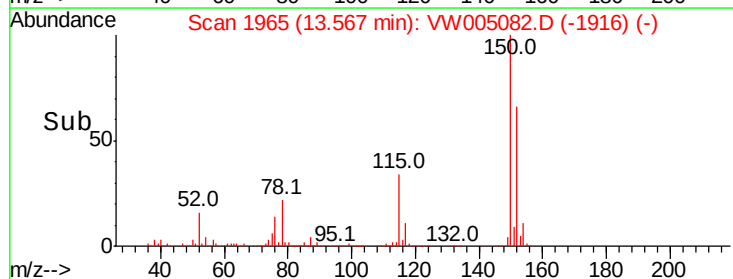
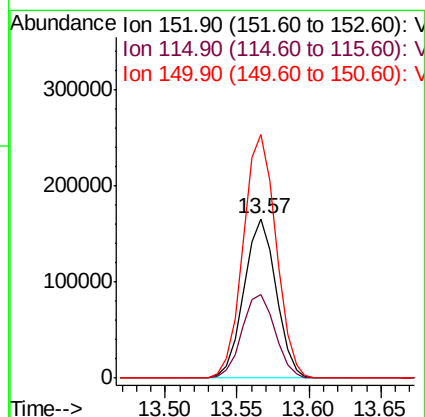
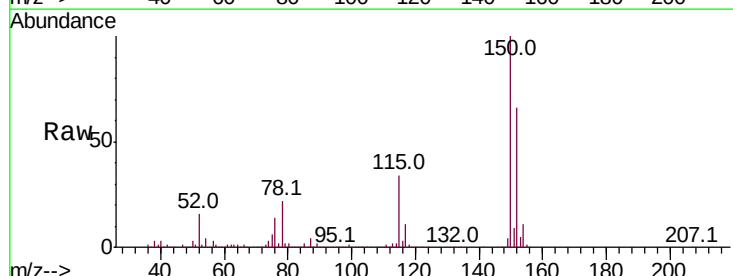
Instrument :
MSVOA_W
ClientSampleId :

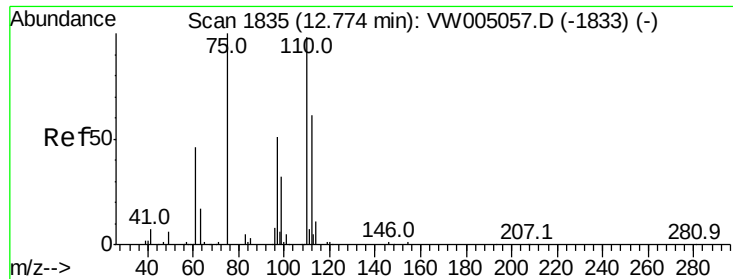
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.3	40.9	61.3
119	31.8	24.9	37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW005082.D
Acq: 04 Sep 2018 16:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.8	83.4
150	156.4	0.0	351.4





#76

1,2,3-Trichloropropane

Concen: 45.124 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW005082.D

Acq: 04 Sep 2018 16:24

Instrument :

MSVOA_W

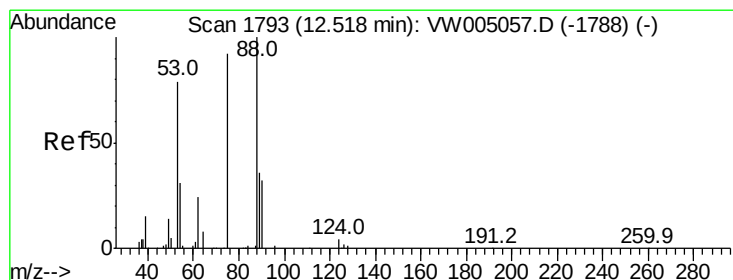
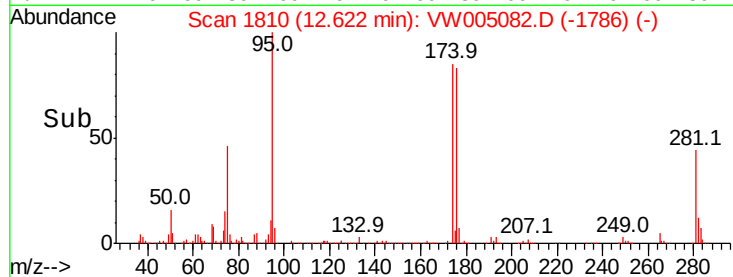
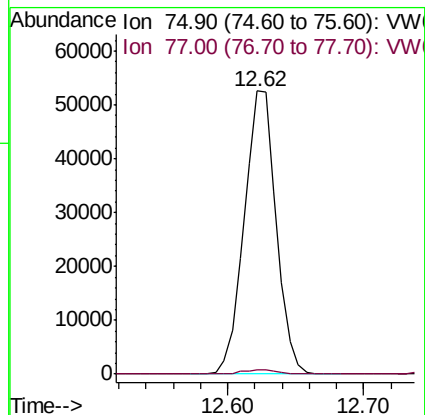
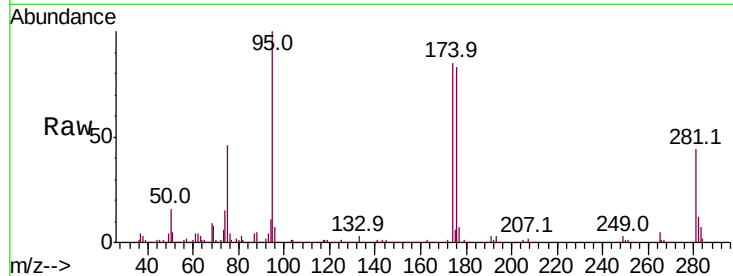
ClientSampled :

Tot Ion: 75 Resp: 86278

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 108.609 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW005082.D

Acq: 04 Sep 2018 16:24

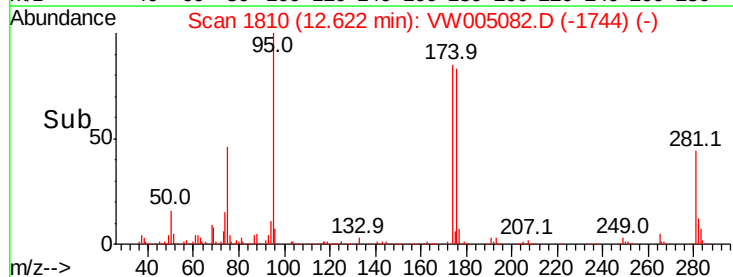
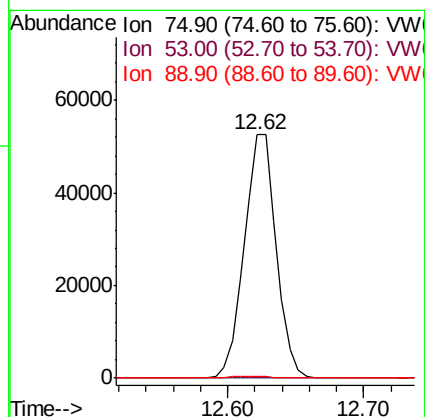
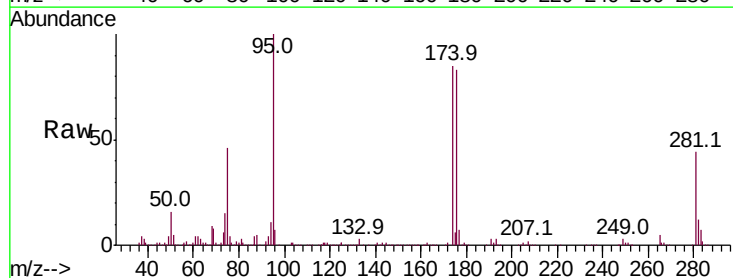
Tgt Ion: 75 Resp: 86278

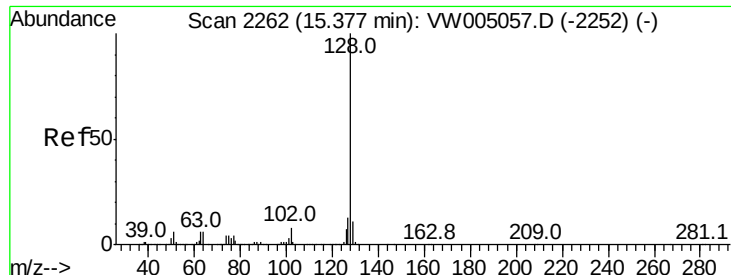
Ion Ratio Lower Upper

75 100

53 0.2 69.8 104.8#

89 0.7 36.0 54.0#





#95

Naphthalene

Concen: 4.581 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW005082.D

Acq: 04 Sep 2018 16:24

Instrument :

MSVOA_W

ClientSampleId :

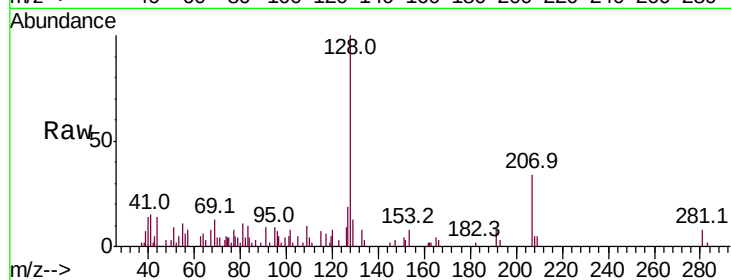
Tot Ion:128 Resp: 6004

Ion Ratio Lower Upper

128 100

127 16.6 10.4 15.6#

129 13.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

