

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090718\
 Data File : VW005206.D
 Acq On : 07 Sep 2018 14:00
 Operator : SY/AP
 Sample : J4720-02RE
 Misc : 5.10G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 07 14:53:30 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	533588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	814711	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	685537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	251044	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	195075	44.10	ug/l	0.00
Spiked Amount			Recovery	=	88.20%	
35) Dibromofluoromethane	7.89	113	186824	39.68	ug/l	0.00
Spiked Amount			Recovery	=	79.36%	
50) Toluene-d8	10.33	98	755578	34.83	ug/l	0.00
Spiked Amount			Recovery	=	69.66%	
62) 4-Bromofluorobenzene	12.63	95	213474	27.91	ug/l	0.00
Spiked Amount			Recovery	=	55.82%	

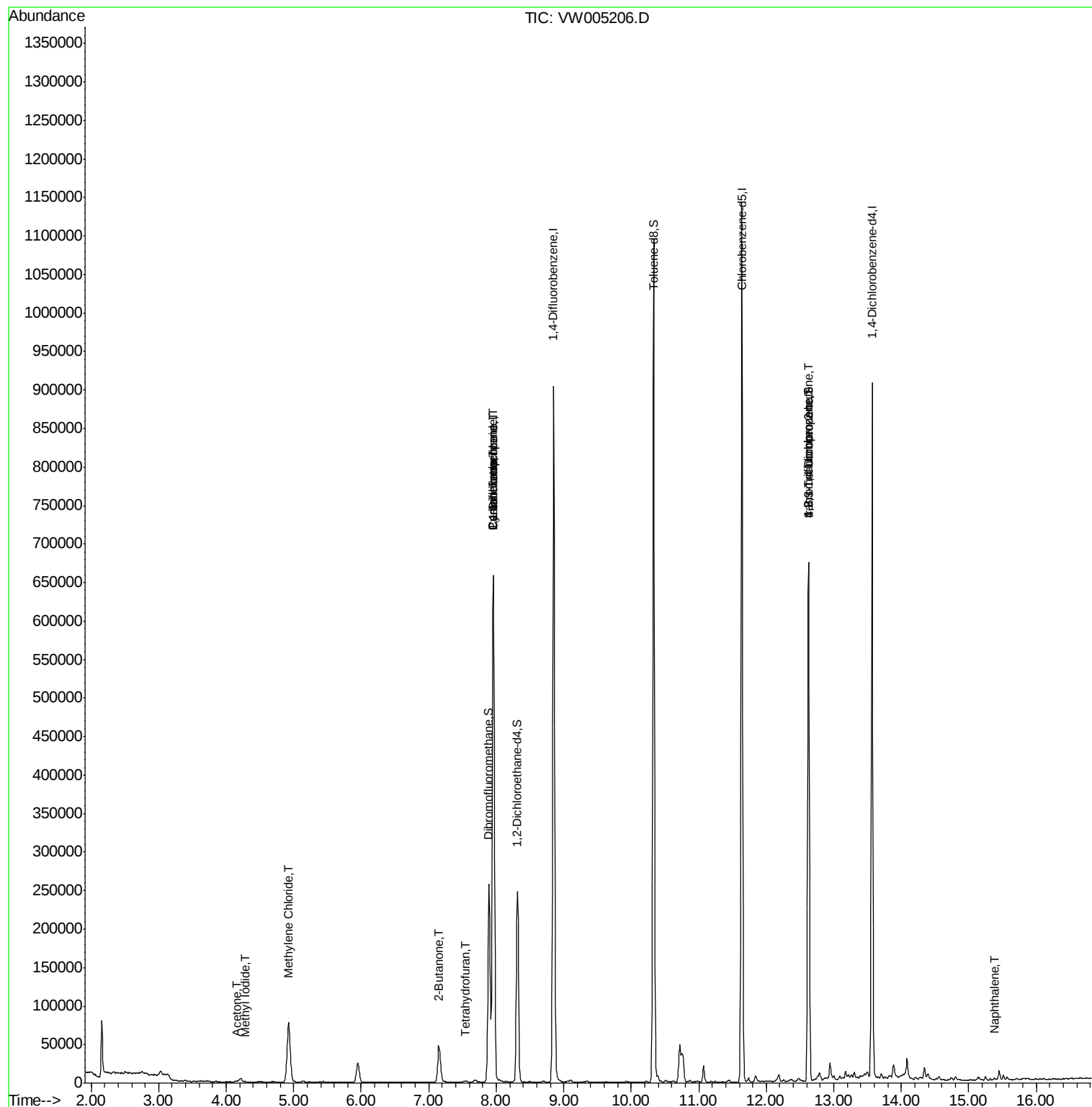
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	751	Below Cal		92
10) Methyl Iodide	4.29	142	755	3.918	ug/l #	77
11) Tert butyl alcohol	5.21	59	398	Below Cal	#	72
16) Acetone	4.15	43	3248	3.662	ug/l #	84
20) Methylene Chloride	4.92	84	65277	7.591	ug/l	98
25) 2-Butanone	7.15	43	2520	1.638	ug/l #	73
29) Tetrahydrofuran	7.55	42	1227	1.561	ug/l #	78
31) Cyclohexane	7.96	56	9725	1.119	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	36532	4.708	ug/l #	47
38) Carbon Tetrachloride	7.96	117	47102	6.384	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	99345	52.720	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	99345	126.891	ug/l #	15
95) Naphthalene	15.38	128	3041	4.289	ug/l	97

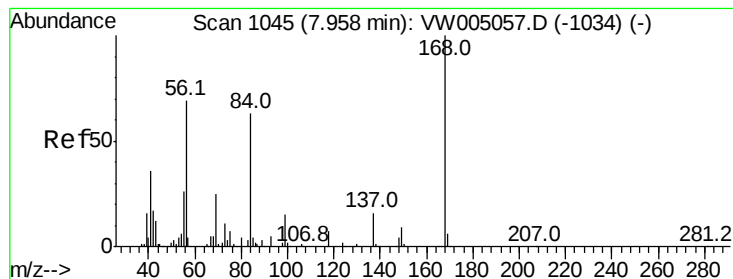
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005206.D

Acq: 07 Sep 2018 14:00

Instrument :

MSVOA_W

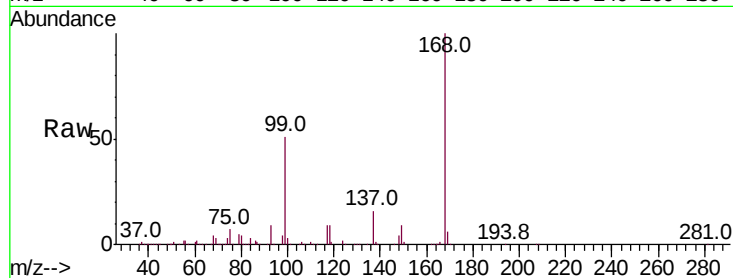
ClientSampled :

Tot Ion:168 Resp: 533588

Ion Ratio Lower Upper

168 100

99 50.9 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

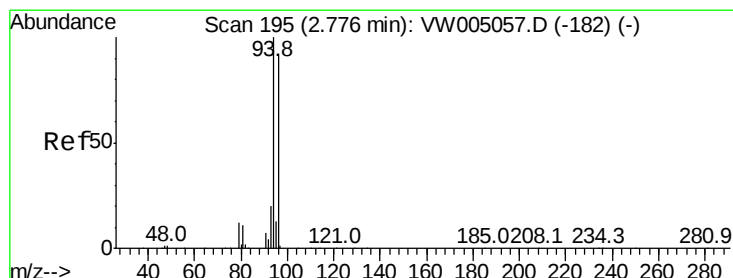
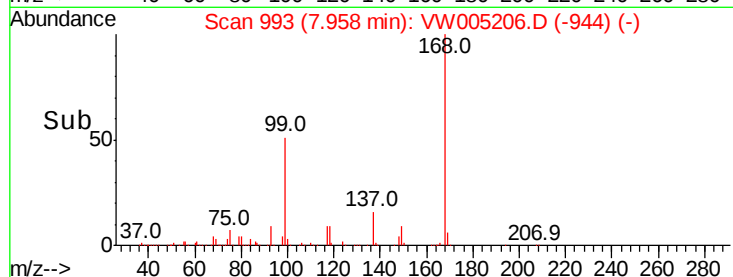
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW005206.D

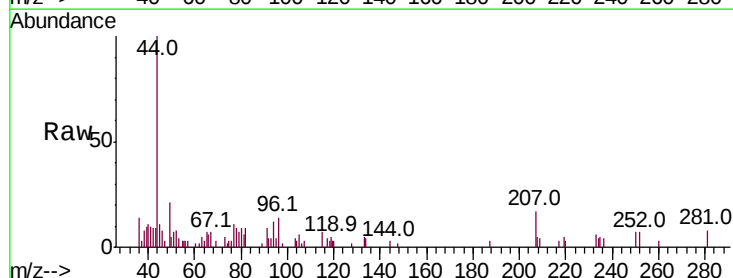
Acq: 07 Sep 2018 14:00

Tgt Ion: 94 Resp: 751

Ion Ratio Lower Upper

94 100

96 99.2 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

500

400

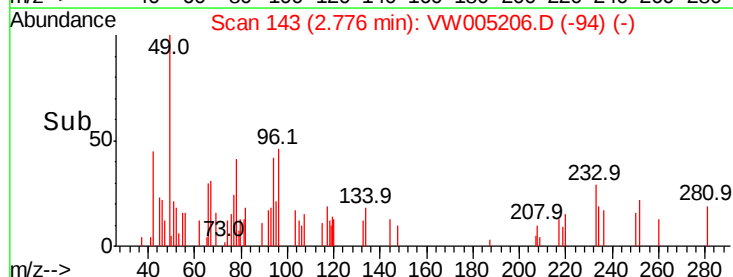
300

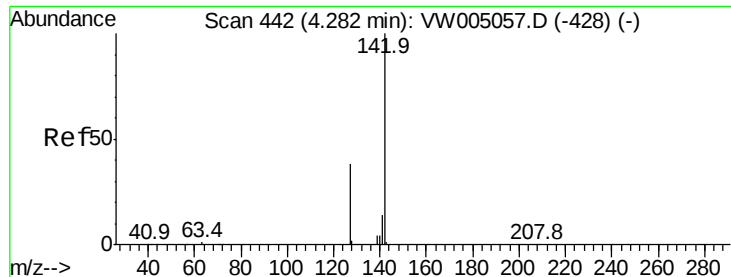
200

100

0

Time--> 2.75 2.80 2.85

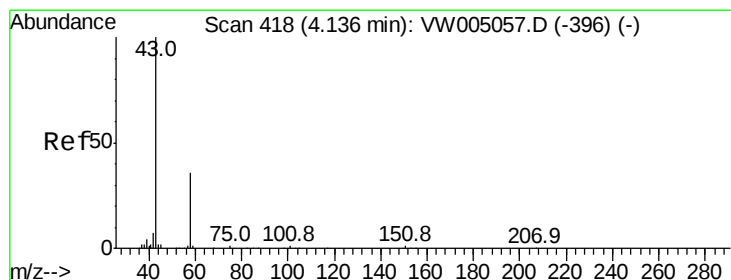
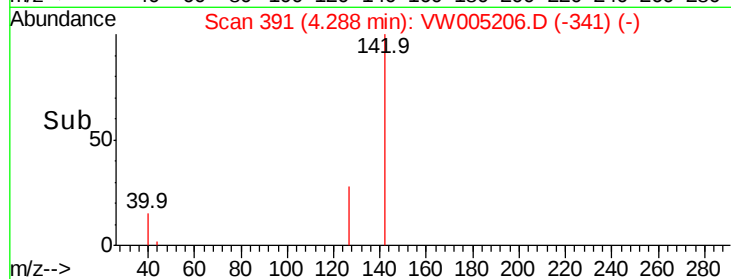
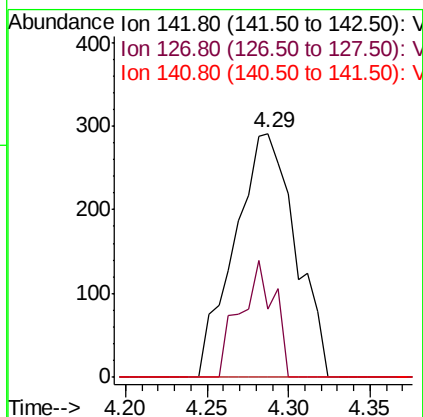
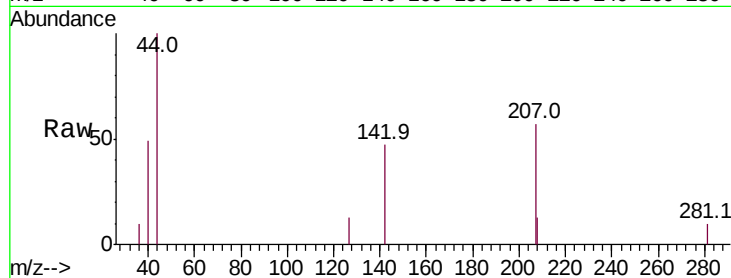




#10
Methvl Iodide
Concen: 3.918 ug/l
RT: 4.29 min Scan# 391
Delta R.T. 0.01 min
Lab File: VW005206.D
Acq: 07 Sep 2018 14:00

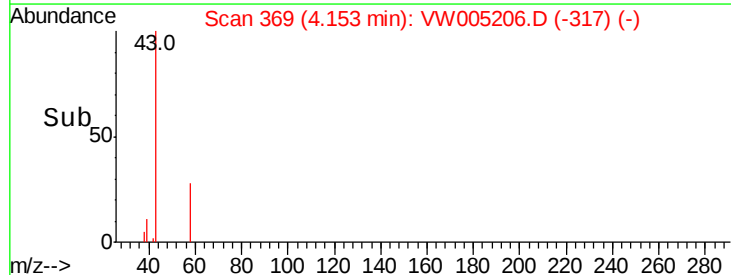
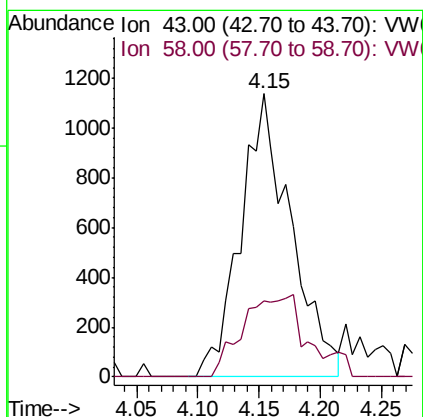
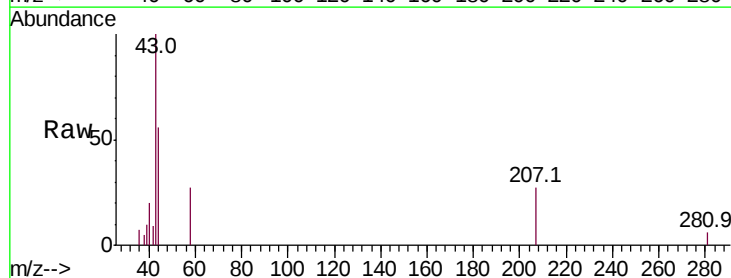
Instrument :
MSVOA_W
ClientSampleId :

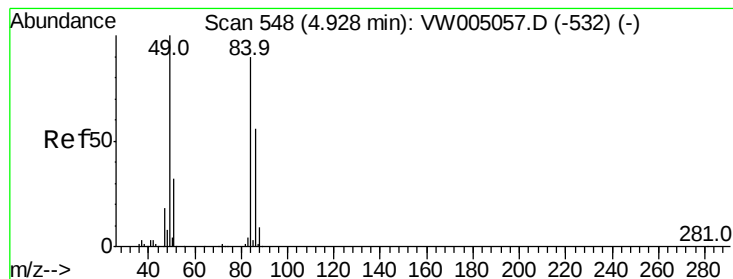
Tot Ion:142 Resp: 755
Ion Ratio Lower Upper
142 100
127 27.0 30.8 46.2#
141 0.0 11.6 17.4#



#16
Acetone
Concen: 3.662 ug/l
RT: 4.15 min Scan# 369
Delta R.T. 0.02 min
Lab File: VW005206.D
Acq: 07 Sep 2018 14:00

Tgt Ion: 43 Resp: 3248
Ion Ratio Lower Upper
43 100
58 26.9 29.0 43.6#





#20

Methvlene Chloride

Concen: 7.591 ug/l

RT: 4.92 min Scan# 495

Delta R.T. -0.01 min

Lab File: VW005206.D

Acq: 07 Sep 2018 14:00

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 84 Resp: 65277

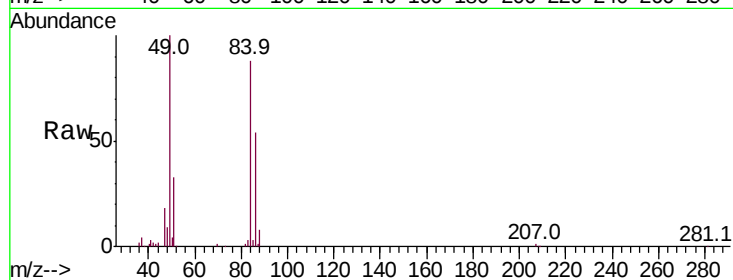
Ion Ratio Lower Upper

84 100

49 113.4 88.7 133.1

51 37.1 28.6 42.8

86 61.7 49.4 74.2

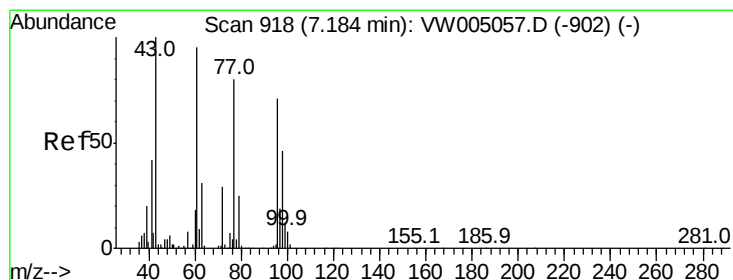
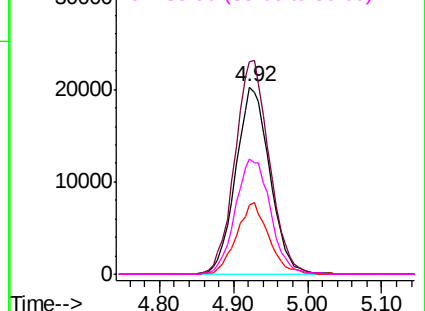
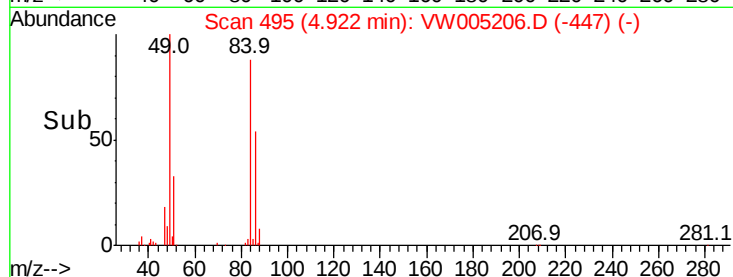


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 1.638 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.04 min

Lab File: VW005206.D

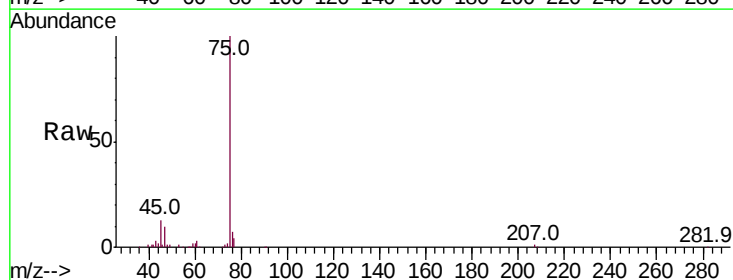
Acq: 07 Sep 2018 14:00

Tgt Ion: 43 Resp: 2520

Ion Ratio Lower Upper

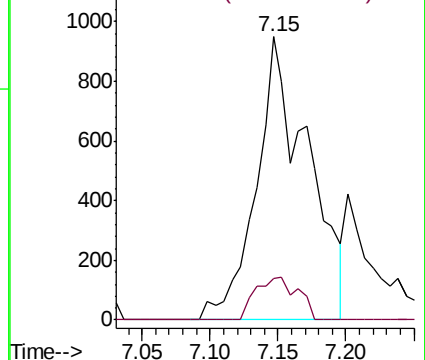
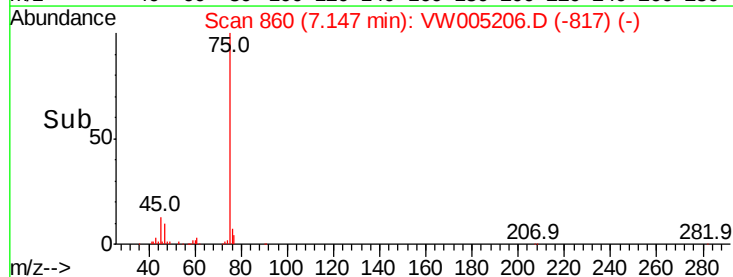
43 100

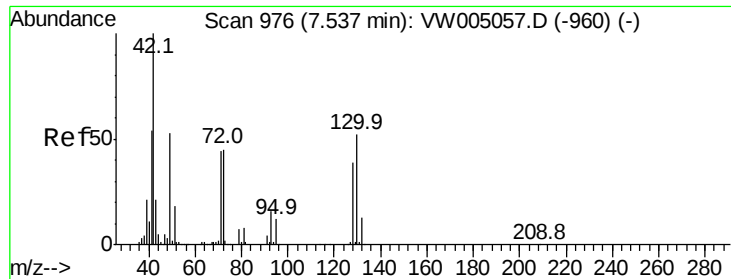
72 14.7 23.1 34.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

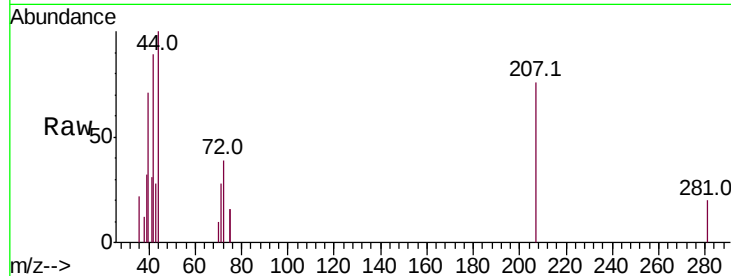




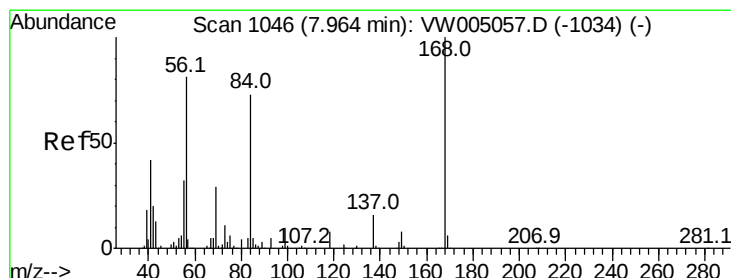
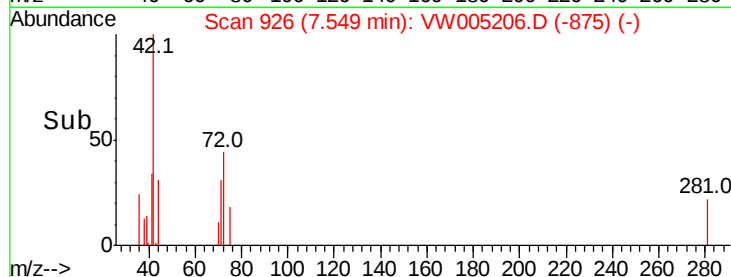
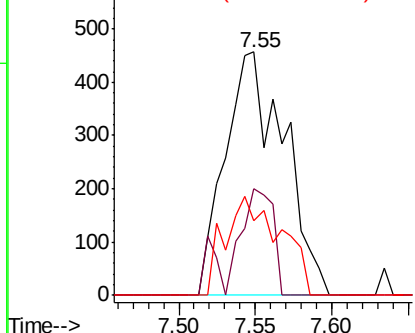
#29
Tetrahydrofuran
Concen: 1.561 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.01 min
Lab File: VW005206.D
Acq: 07 Sep 2018 14:00

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 1227
Ion Ratio Lower Upper
42 100
72 23.5 37.0 55.4#
71 38.2 35.0 52.6

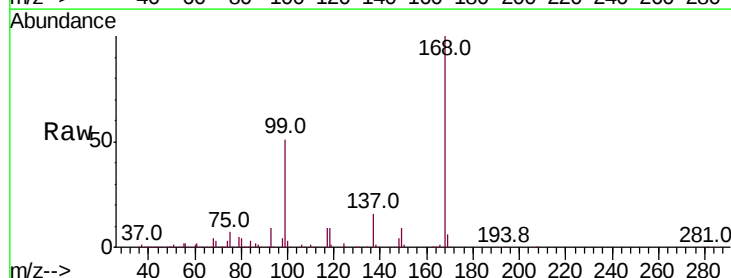


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

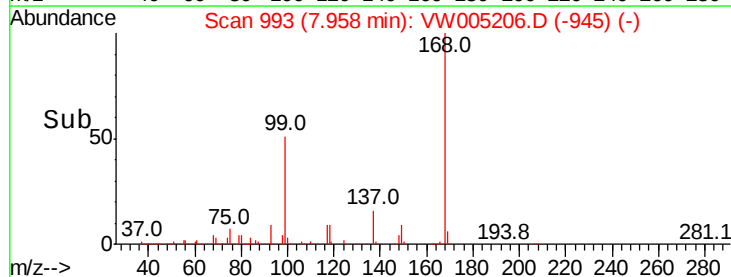
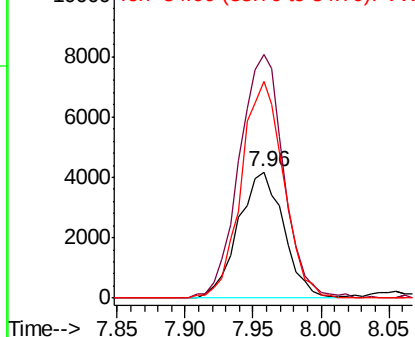


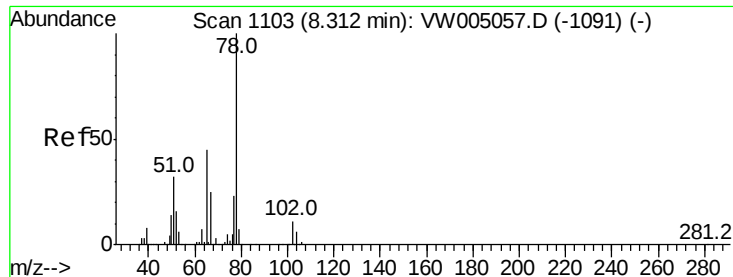
#31
Cyclohexane
Concen: 1.119 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005206.D
Acq: 07 Sep 2018 14:00

Tgt Ion: 56 Resp: 9725
Ion Ratio Lower Upper
56 100
69 193.4 28.2 42.2#
84 172.2 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

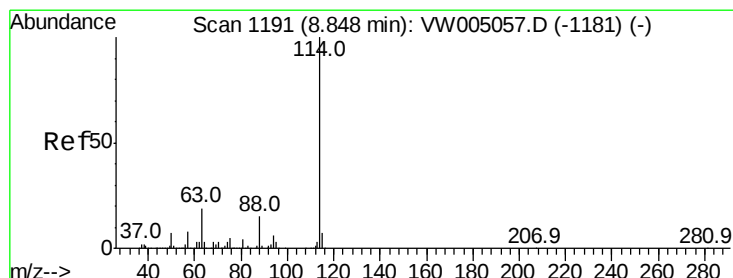
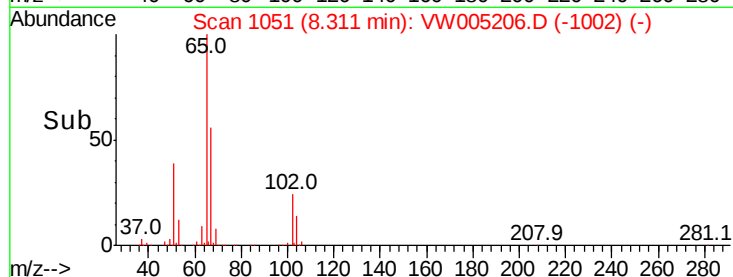
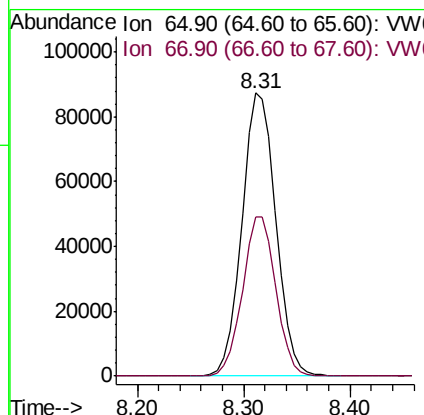
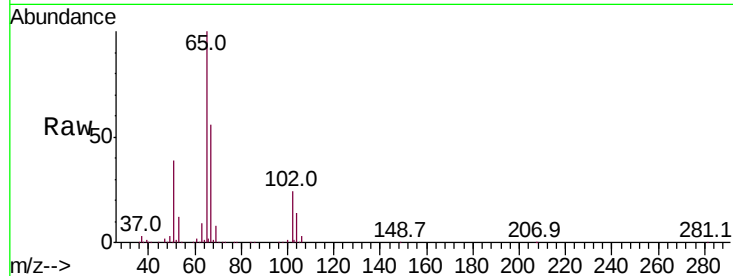




#33
 1,2-Dichloroethane-d4
 Concen: 44.103 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005206.D
 Acq: 07 Sep 2018 14:00

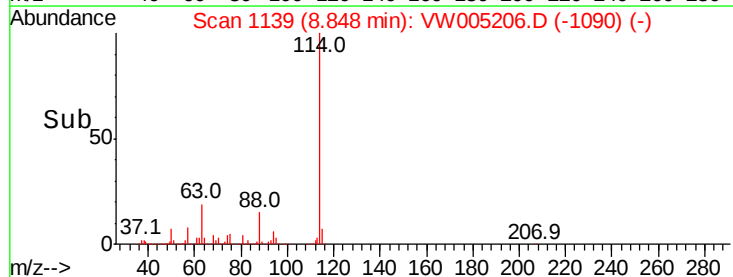
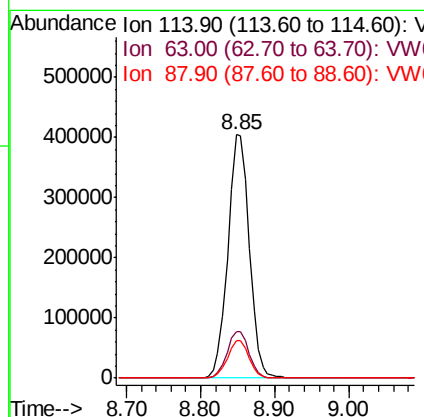
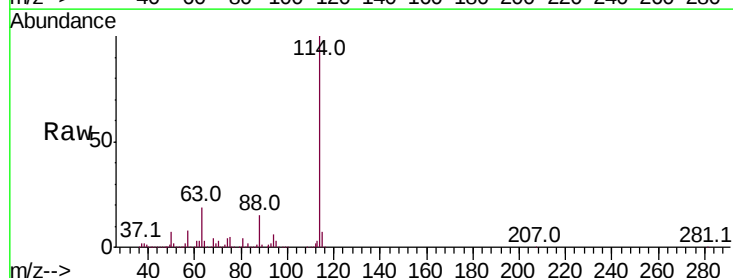
Instrument :
 MSVOA_W
 ClientSampleId :

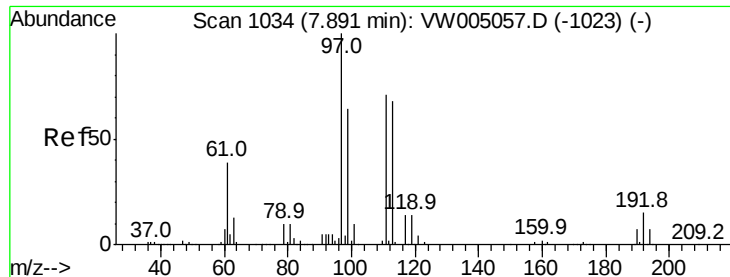
Tot Ion: 65 Resp: 195075
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005206.D
 Acq: 07 Sep 2018 14:00

Tgt Ion: 114 Resp: 814711
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.0
 88 15.5 0.0 30.2

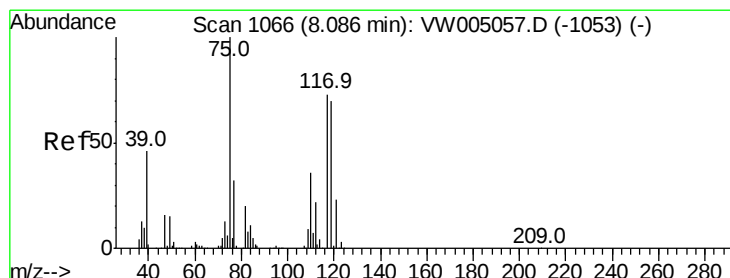
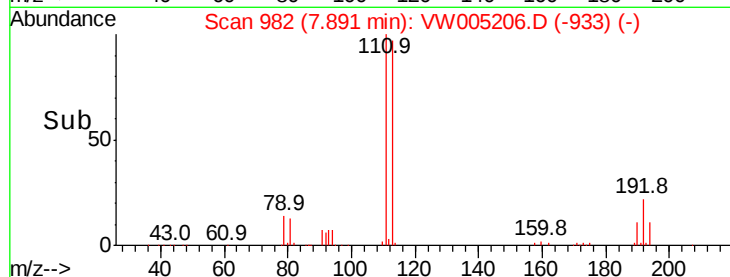
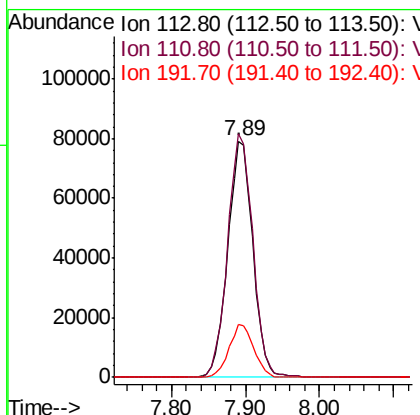
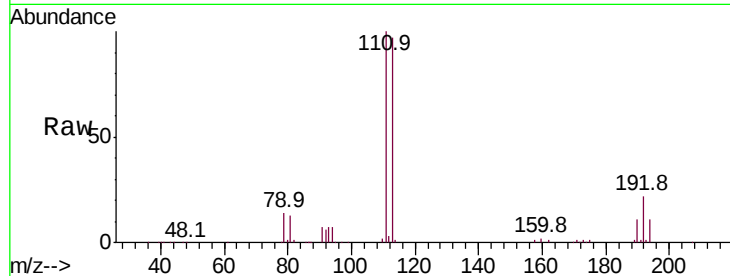




#35
 Dibromofluoromethane
 Concen: 39.681 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005206.D
 Acq: 07 Sep 2018 14:00

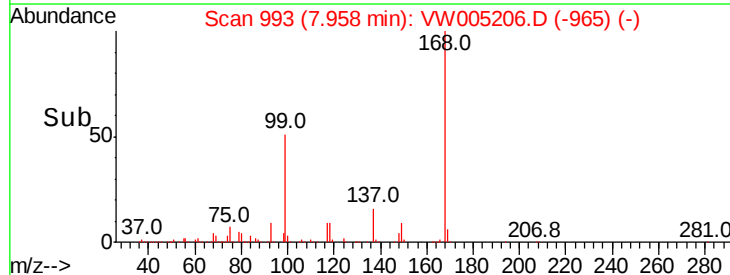
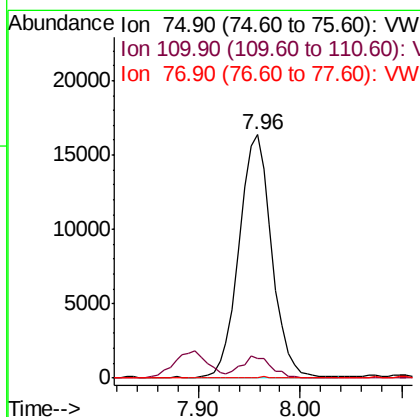
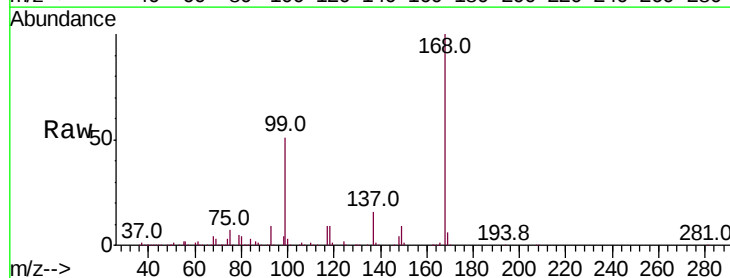
Instrument :
 MSVOA_W
 ClientSampled :

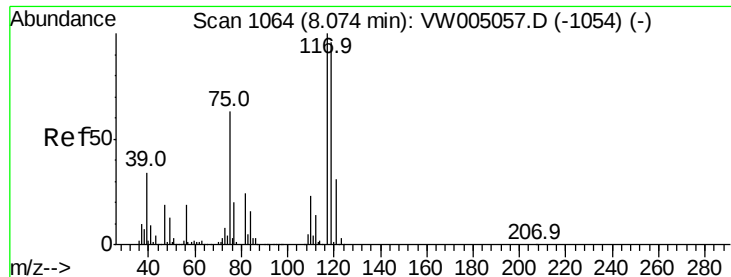
Tot Ion:113 Resp: 186824
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.2 123.2
 192 21.9 18.1 27.1



#36
 1,1-Dichloropropene
 Concen: 4.708 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005206.D
 Acq: 07 Sep 2018 14:00

Tgt Ion: 75 Resp: 36532
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.9 56.7#
 77 0.1 25.5 38.3#





#38

Carbon Tetrachloride

Concen: 6.384 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005206.D

Acq: 07 Sep 2018 14:00

Instrument :

MSVOA_W

ClientSampleId :

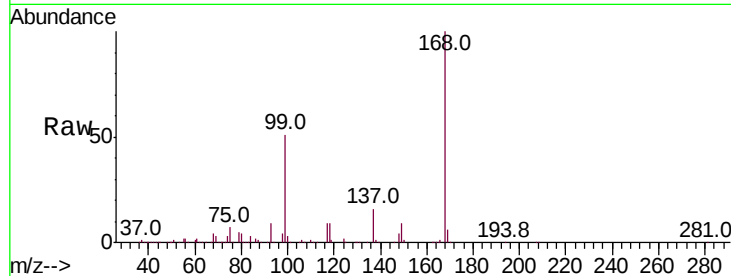
Tot Ion:117 Resp: 47102

Ion Ratio Lower Upper

117 100

119 5.9 76.6 115.0#

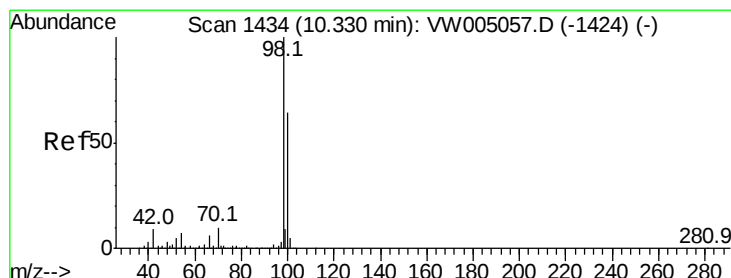
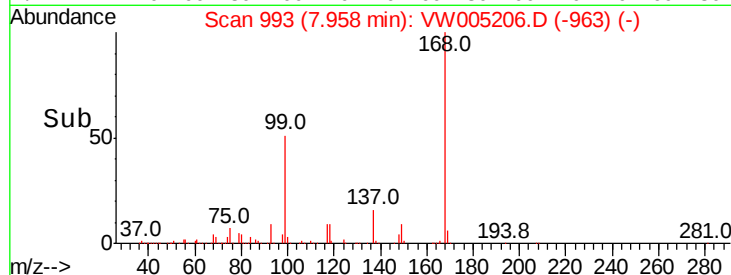
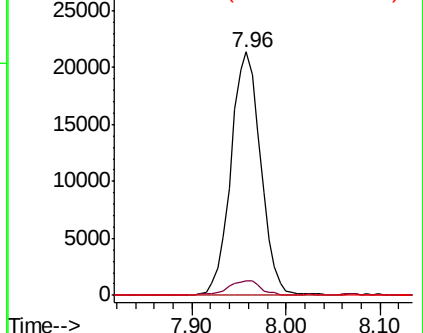
121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 34.829 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005206.D

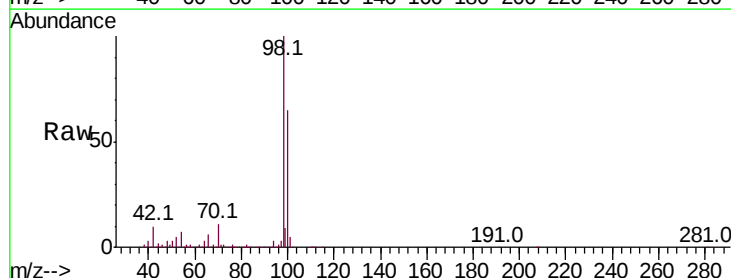
Acq: 07 Sep 2018 14:00

Tgt Ion: 98 Resp: 755578

Ion Ratio Lower Upper

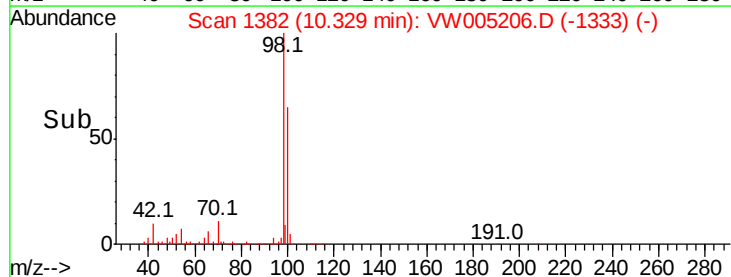
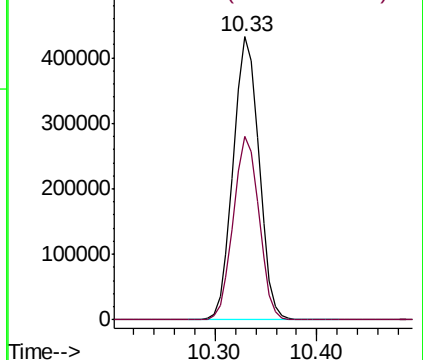
98 100

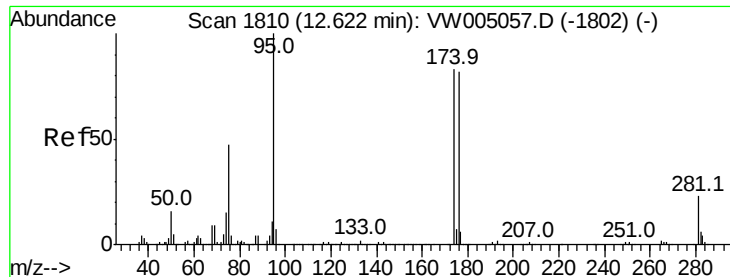
100 64.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

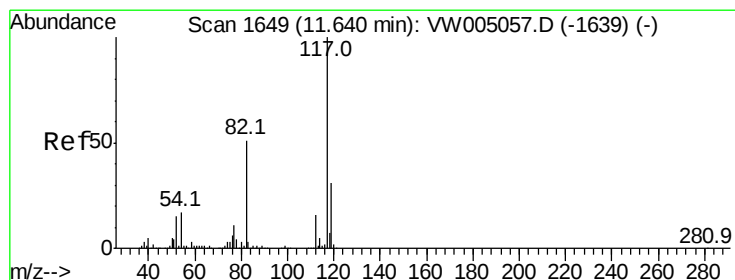
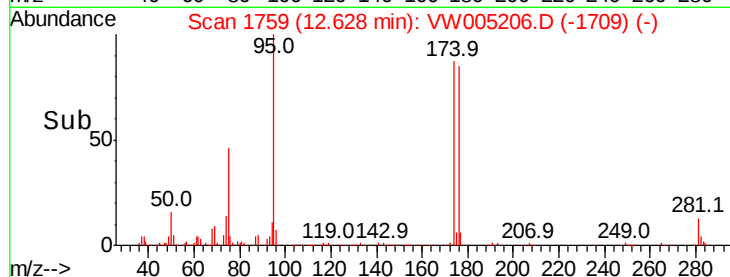
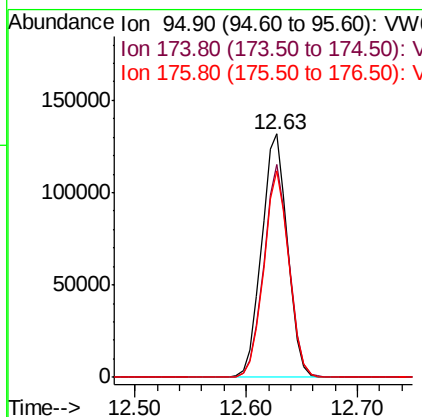
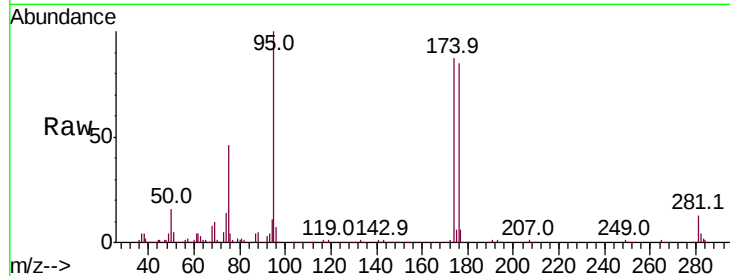




#62
4-Bromofluorobenzene
Concen: 27.907 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.01 min
Lab File: VW005206.D
Acq: 07 Sep 2018 14:00

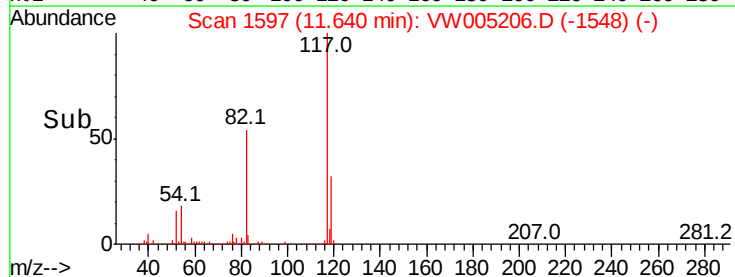
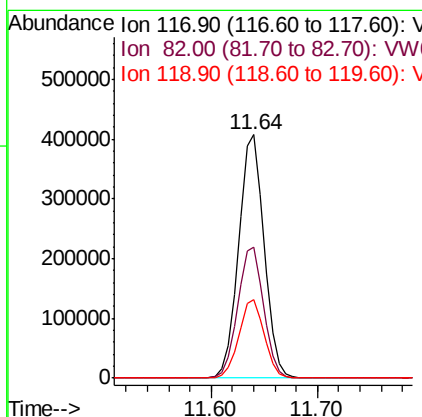
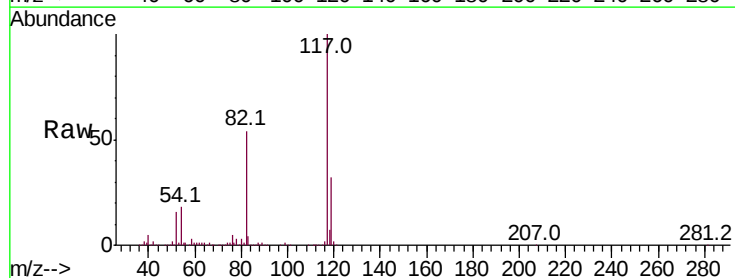
Instrument :
MSVOA_W
ClientSampleId :

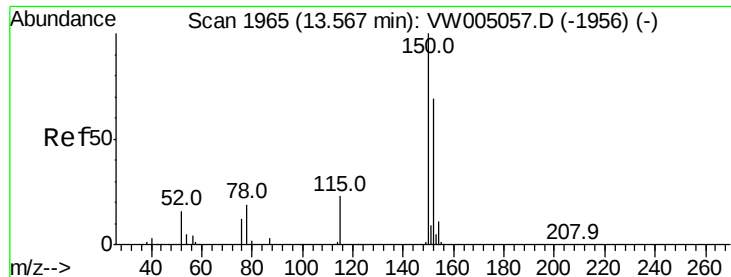
Tot Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	173.4
176	82.4	0.0	167.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005206.D
Acq: 07 Sep 2018 14:00

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.7	40.9	61.3
119	32.1	24.9	37.3



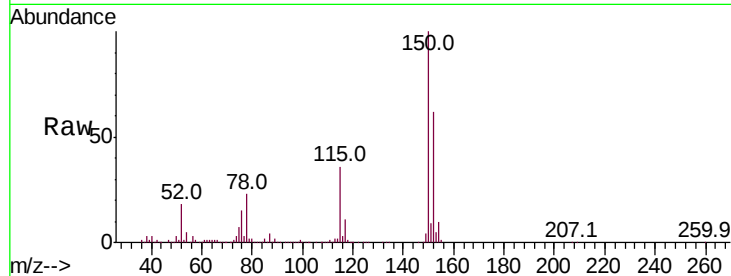


#72

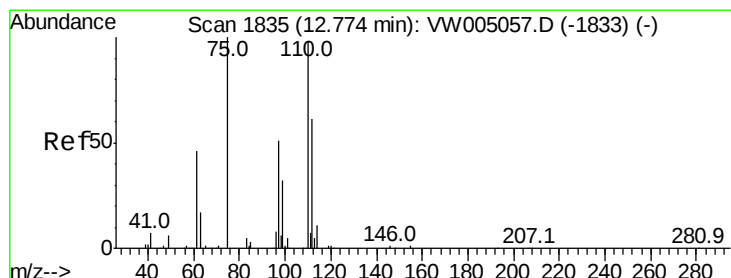
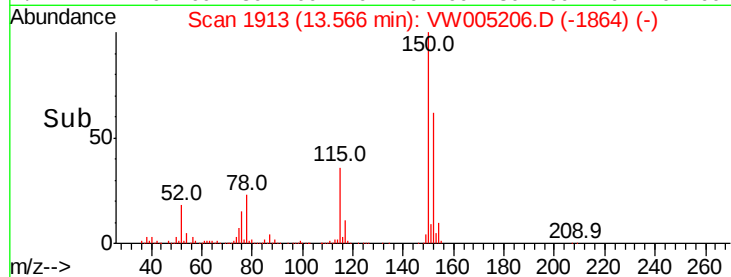
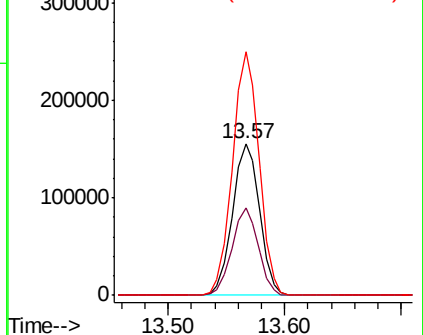
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005206.D
Acq: 07 Sep 2018 14:00

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 251044
Ion Ratio Lower Upper
152 100
115 56.4 27.8 83.4
150 157.9 0.0 351.4



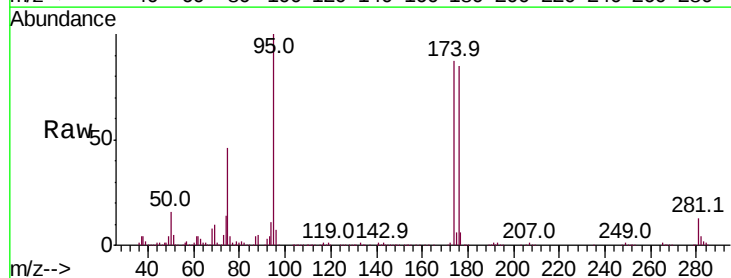
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



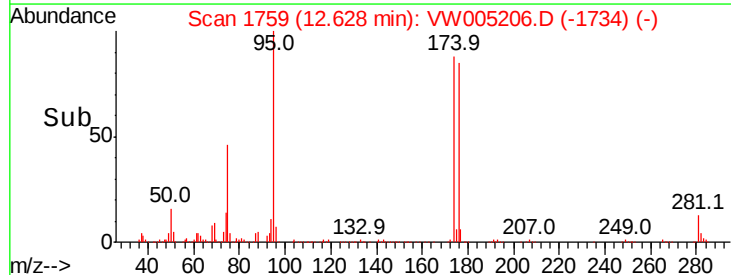
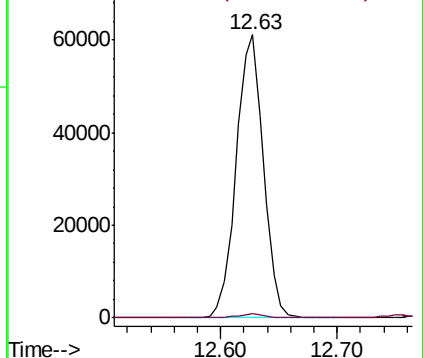
#76

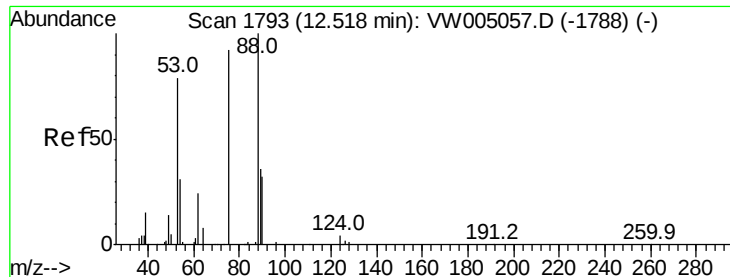
1,2,3-Trichloropropane
Concen: 52.720 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. -0.15 min
Lab File: VW005206.D
Acq: 07 Sep 2018 14:00

Tgt Ion: 75 Resp: 99345
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: 126.891 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005206.D

Acq: 07 Sep 2018 14:00

Instrument :

MSVOA_W

ClientSampleId :

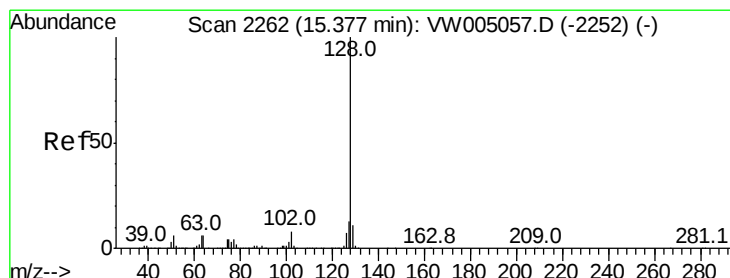
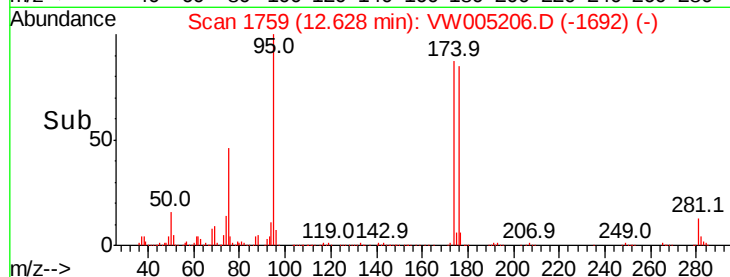
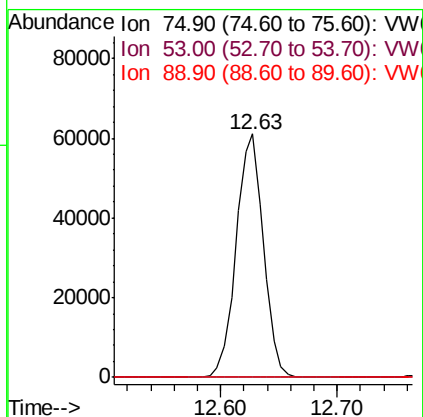
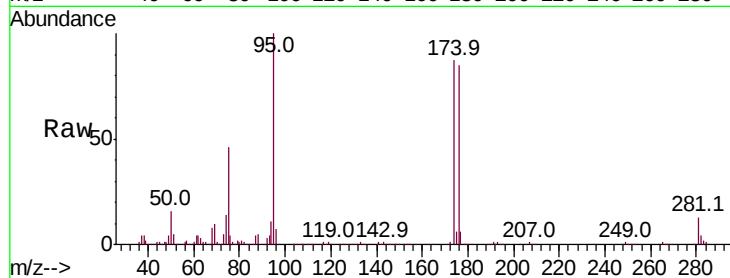
Tot Ion: 75 Resp: 99345

Ion Ratio Lower Upper

75 100

53 0.2 69.8 104.8#

89 0.2 36.0 54.0#



#95

Naphthalene

Concen: 4.289 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005206.D

Acq: 07 Sep 2018 14:00

Tgt Ion: 128 Resp: 3041

Ion Ratio Lower Upper

128 100

127 11.5 10.4 15.6

129 9.9 8.7 13.1

