

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091118\
 Data File : VW005269.D
 Acq On : 11 Sep 2018 12:29
 Operator : SY/AP
 Sample : J4779-03
 Misc : 5.73G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 11 13:02:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	401285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	620796	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	546905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	203827	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.32	65	145792	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
35) Dibromofluoromethane	7.89	113	138241	42.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.02%	
50) Toluene-d8	10.33	98	545991	33.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.46%	
62) 4-Bromofluorobenzene	12.63	95	153553	25.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	51.10%	

Target Compounds

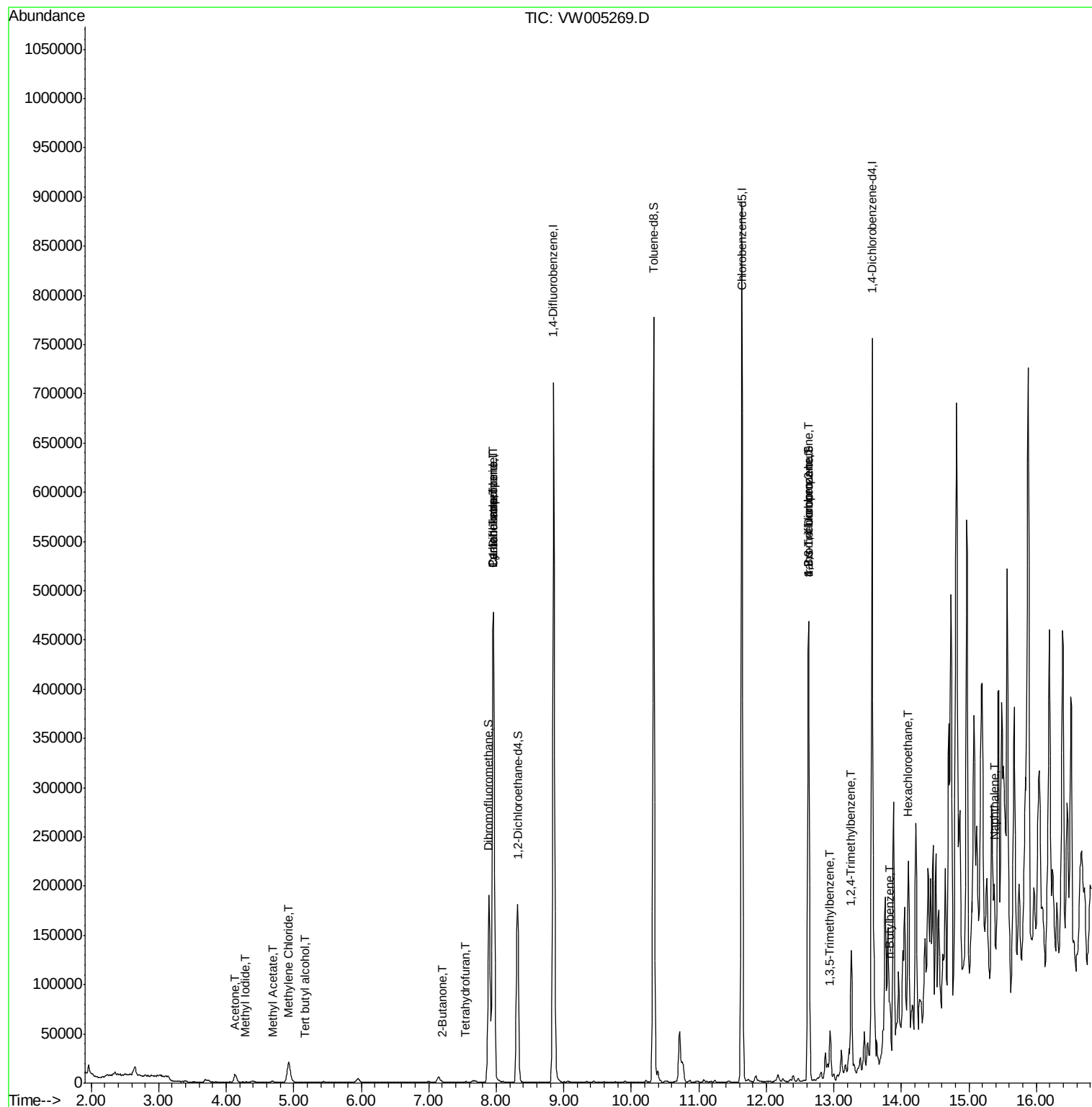
					Qvalue	
5) Bromomethane	2.76	94	328	Below Cal	#	3
10) Methyl Iodide	4.28	142	872	3.517	ug/l #	67
11) Tert butyl alcohol	5.17	59	343	1.397	ug/l #	73
16) Acetone	4.14	43	15297	27.535	ug/l	99
18) Methyl Acetate	4.69	43	1865	1.125	ug/l	95
20) Methylene Chloride	4.92	84	17862	1.106	ug/l	87
25) 2-Butanone	7.20	43	1117	1.275	ug/l #	86
29) Tetrahydrofuran	7.55	42	615	1.041	ug/l	95
31) Cyclohexane	7.96	56	6453	1.008	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	25700	4.519	ug/l #	48
38) Carbon Tetrachloride	7.96	117	35368	6.638	ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	68731	43.841	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	15948	1.300	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.63	75	68731	102.817	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.26	105	73794	5.988	ug/l	98
89) n-Butylbenzene	13.83	91	27833	2.170	ug/l #	75
90) Hexachloroethane	14.10	117	9364	4.283	ug/l #	5
95) Naphthalene	15.38	128	33723	4.696	ug/l #	92

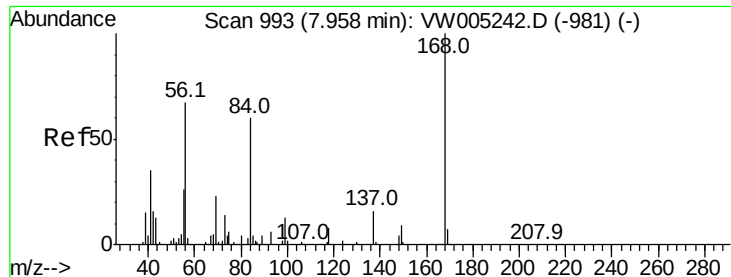
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091118\
Data File : VW005269.D
Acq On : 11 Sep 2018 12:29
Operator : SY/AP
Sample : J4779-03
Misc : 5.73G/5ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 11 13:02:55 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 03:48:23 2018
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: VW005269.D

Acq: 11 Sep 2018 12:29

Instrument :

MSVOA_W

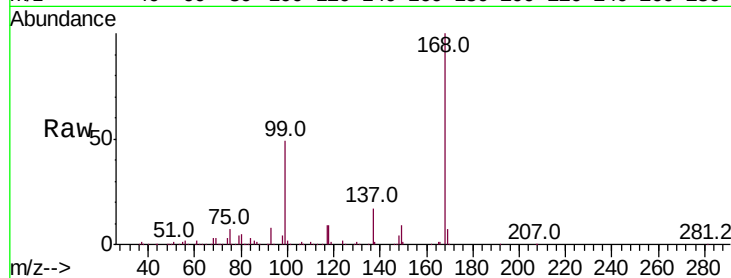
ClientSampled :

Tot Ion:168 Resp: 401285

Ion Ratio Lower Upper

168 100

99 49.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

200000

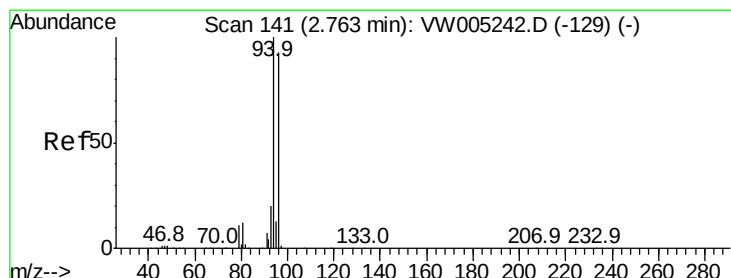
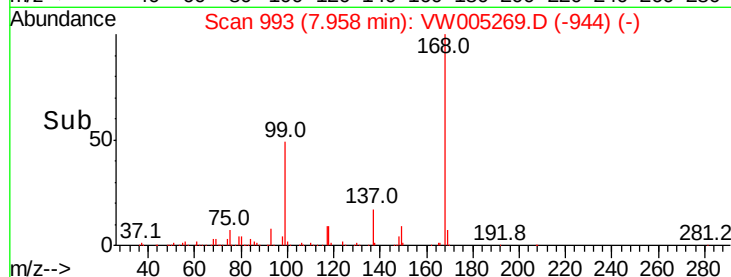
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW005269.D

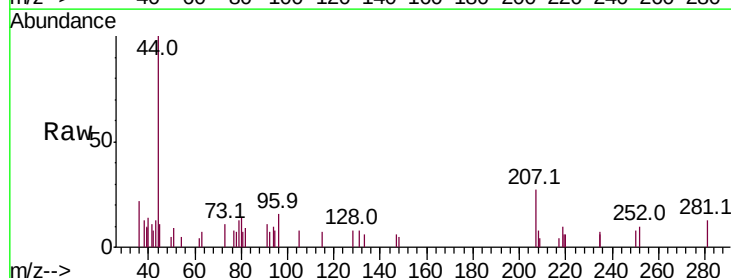
Acq: 11 Sep 2018 12:29

Tgt Ion: 94 Resp: 328

Ion Ratio Lower Upper

94 100

96 0.0 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

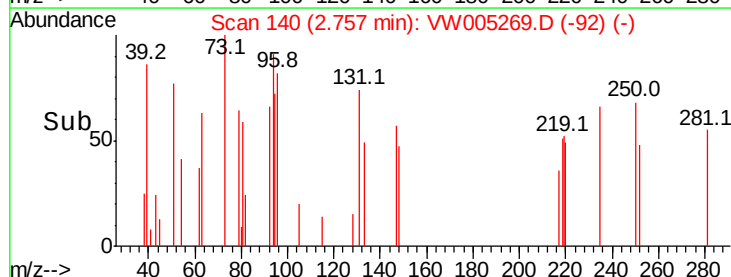
300

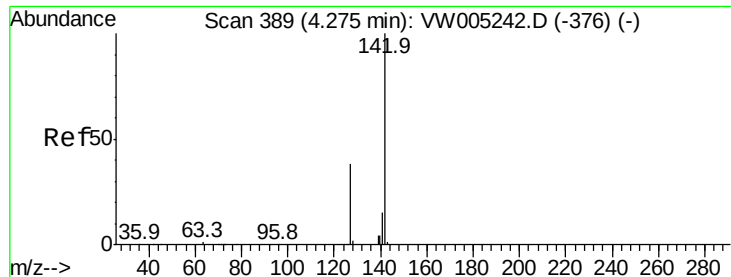
200

100

0

Time--> 2.70 2.72 2.74 2.76 2.78

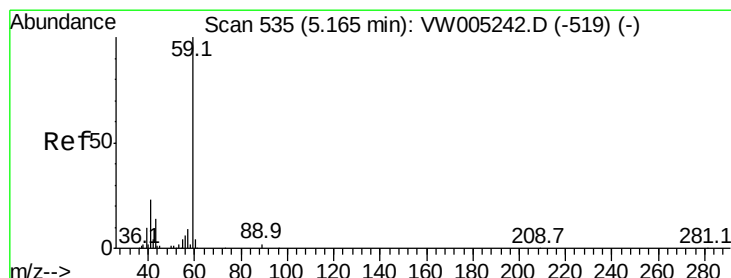
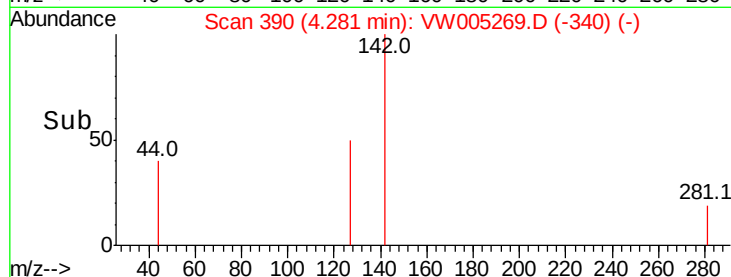
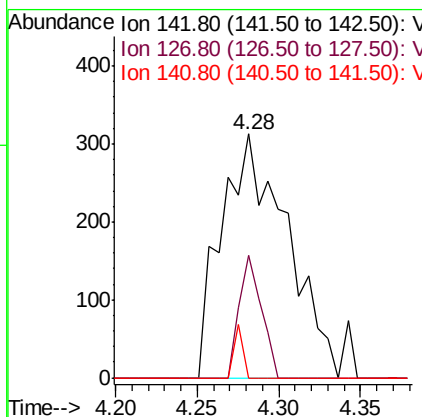
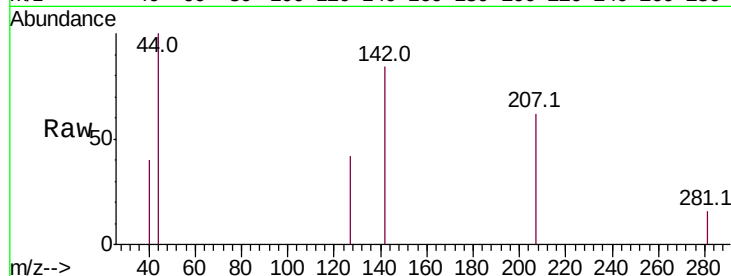




#10
Methvl Iodide
Concen: 3.517 ug/l
RT: 4.28 min Scan# 390
Delta R.T. 0.01 min
Lab File: VW005269.D
Acq: 11 Sep 2018 12:29

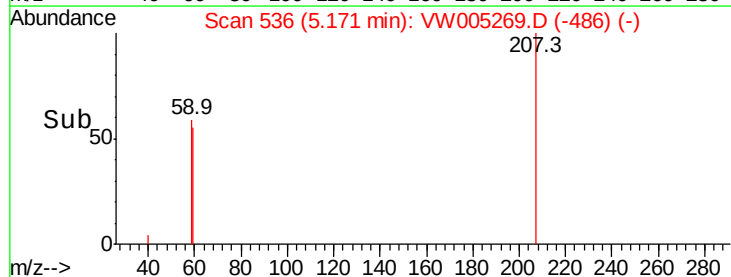
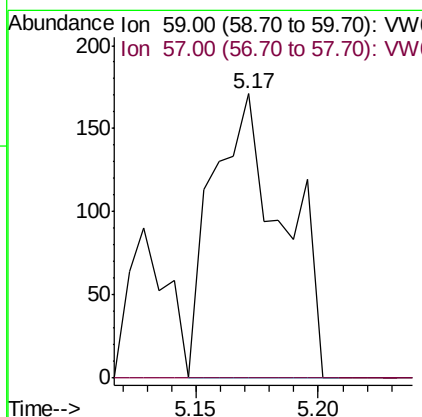
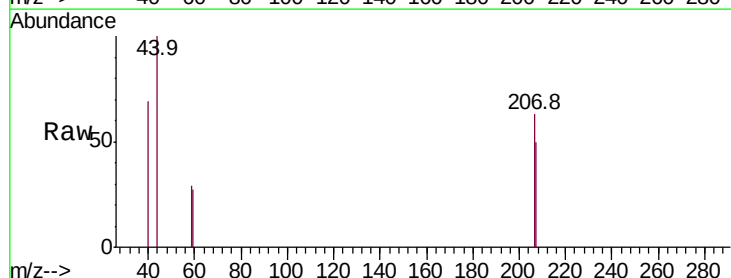
Instrument :
MSVOA_W
ClientSampled :

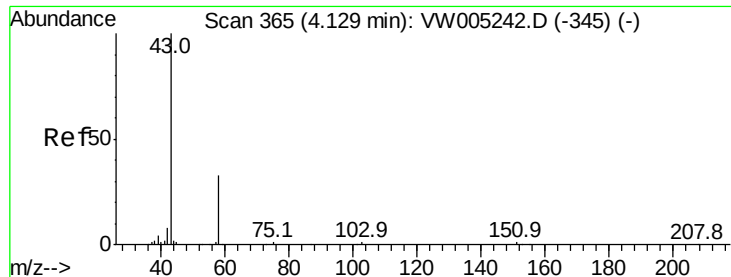
Tot Ion:142 Resp: 872
Ion Ratio Lower Upper
142 100
127 17.1 30.3 45.5#
141 2.9 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.397 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW005269.D
Acq: 11 Sep 2018 12:29

Tgt Ion: 59 Resp: 343
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#16

Acetone

Concen: 27.535 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW005269.D

Acq: 11 Sep 2018 12:29

Instrument :

MSVOA_W

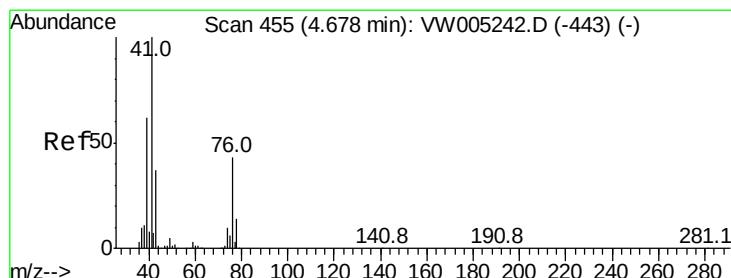
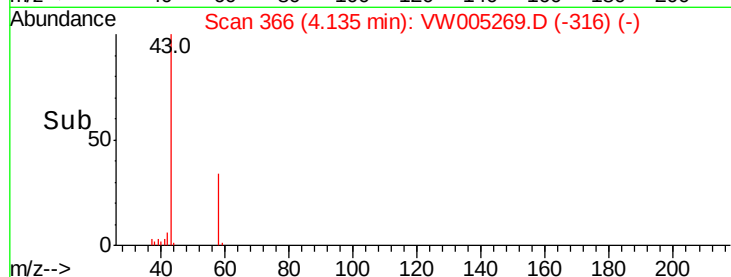
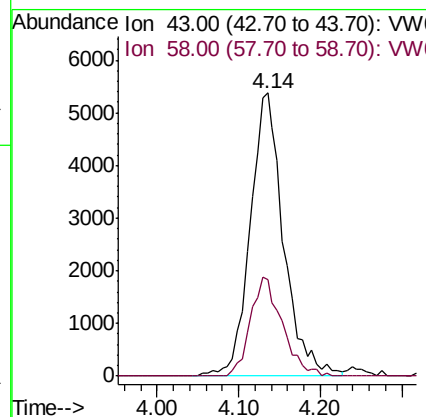
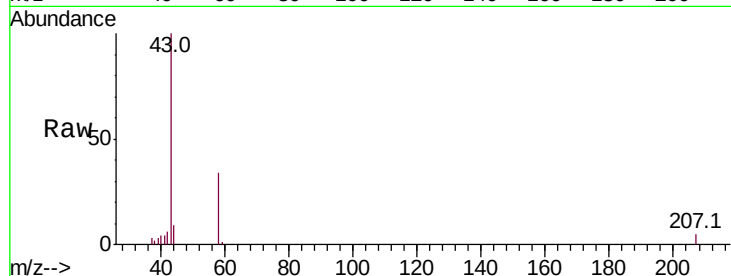
ClientSampleId :

Tot Ion: 43 Resp: 15297

Ion Ratio Lower Upper

43 100

58 34.2 26.7 40.1



#18

Methyl Acetate

Concen: 1.125 ug/l

RT: 4.69 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW005269.D

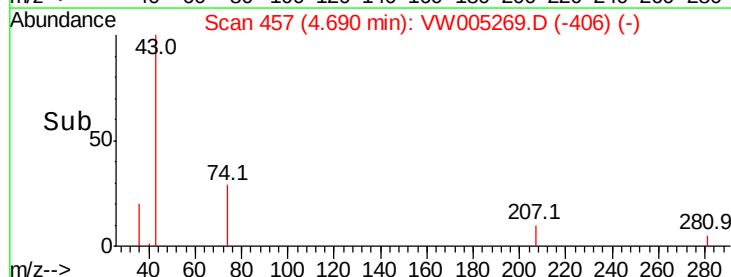
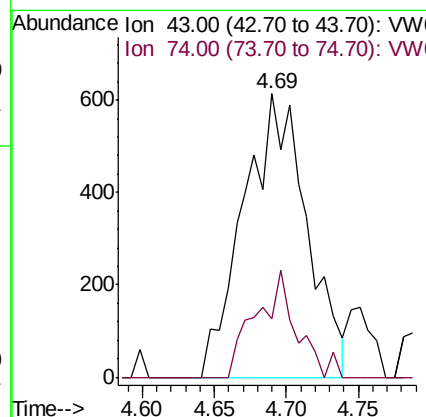
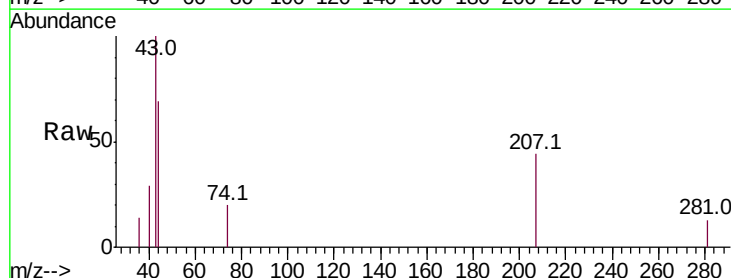
Acq: 11 Sep 2018 12:29

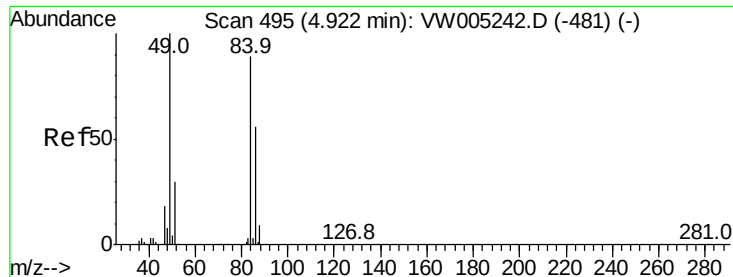
Tgt Ion: 43 Resp: 1865

Ion Ratio Lower Upper

43 100

74 24.3 21.4 32.2

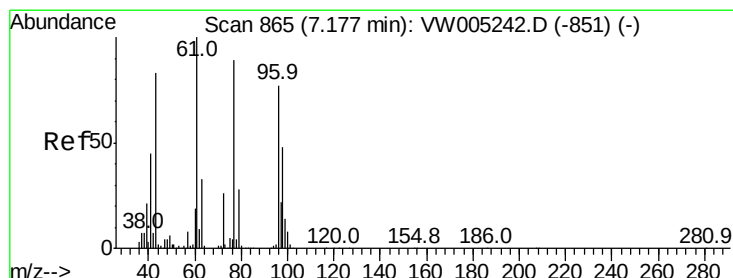
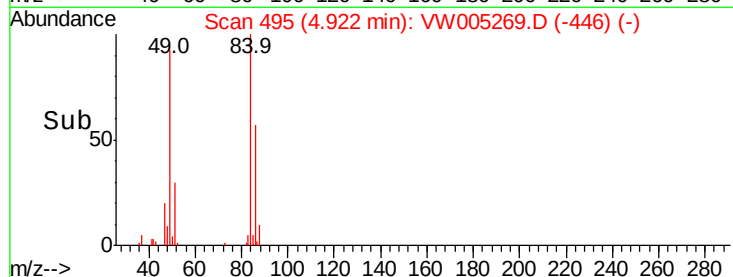
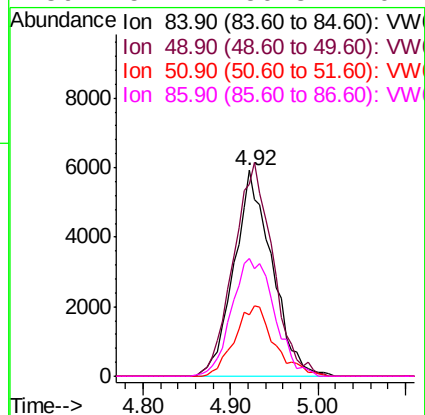
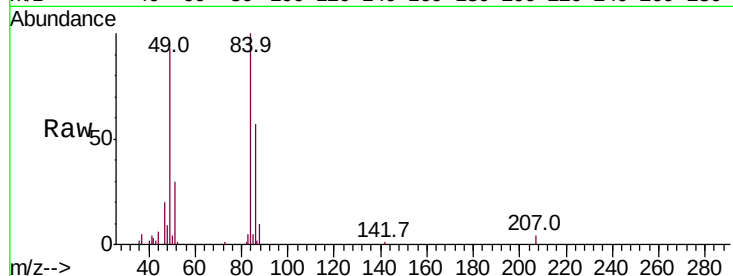




#20
Methylene Chloride
Concen: 1.106 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW005269.D
Acq: 11 Sep 2018 12:29

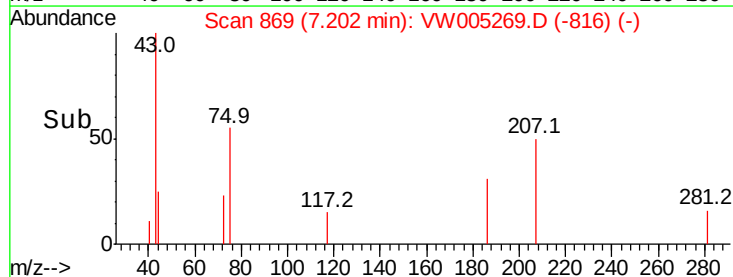
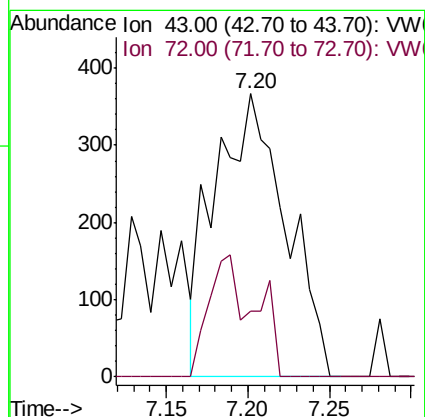
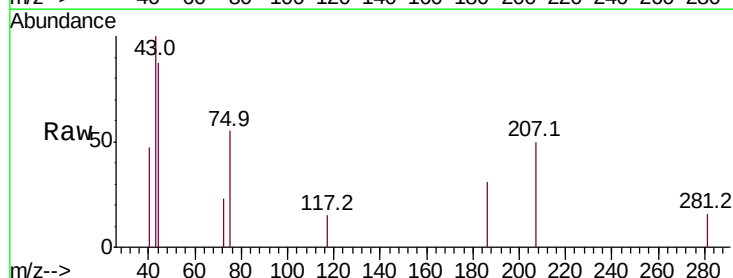
Instrument :
MSVOA_W
ClientSampled :

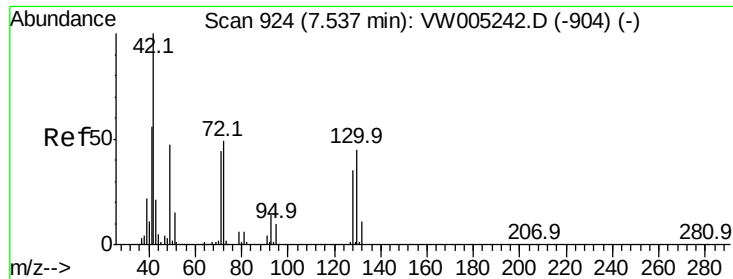
Tot Ion:	84	Resp:	17862
Ion	Ratio	Lower	Upper
84	100		
49	93.3	90.3	135.5
51	30.1	26.9	40.3
86	57.1	50.8	76.2



#25
2-Butanone
Concen: 1.275 ug/l
RT: 7.20 min Scan# 869
Delta R.T. 0.02 min
Lab File: VW005269.D
Acq: 11 Sep 2018 12:29

Tgt Ion:	43	Resp:	1117
Ion	Ratio	Lower	Upper
43	100		
72	23.4	25.0	37.6#

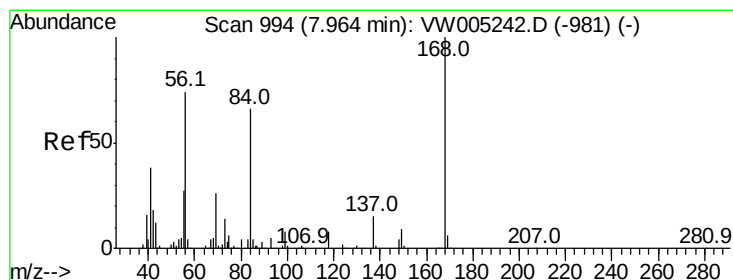
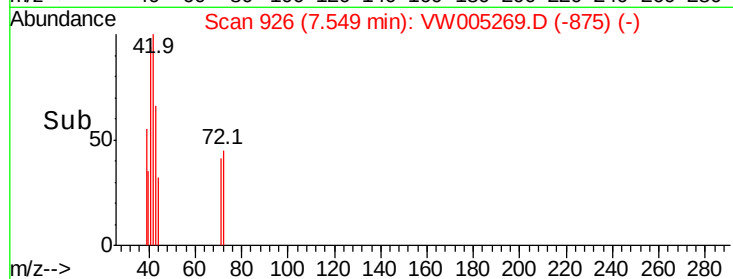
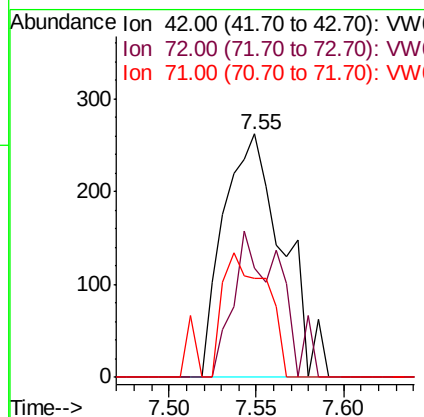
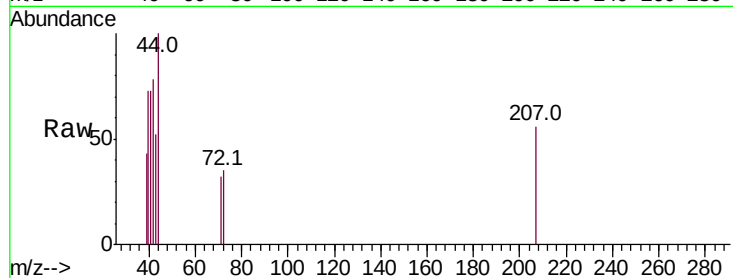




#29
Tetrahydrofuran
Concen: 1.041 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.01 min
Lab File: VW005269.D
Acq: 11 Sep 2018 12:29

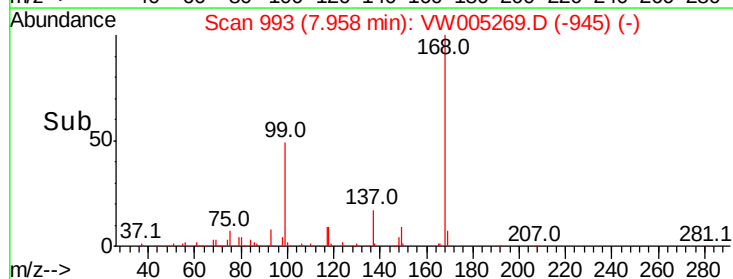
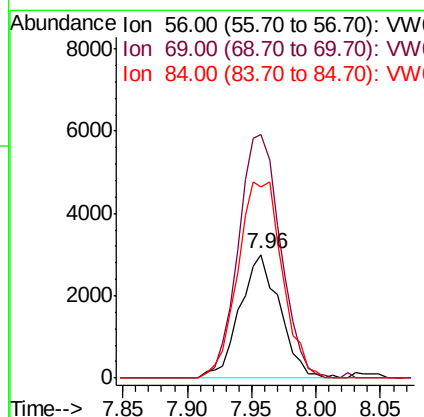
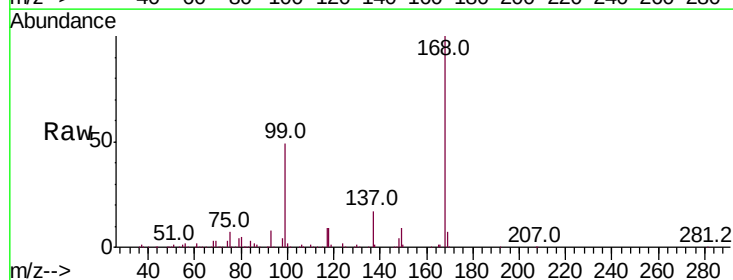
Instrument :
MSVOA_W
ClientSampled :

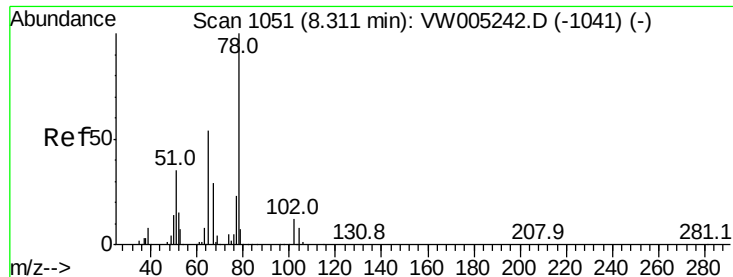
Tot Ion: 42 Resp: 615
Ion Ratio Lower Upper
42 100
72 48.3 37.5 56.3
71 37.7 34.8 52.2



#31
Cyclohexane
Concen: 1.008 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005269.D
Acq: 11 Sep 2018 12:29

Tgt Ion: 56 Resp: 6453
Ion Ratio Lower Upper
56 100
69 197.2 27.8 41.8#
84 154.8 72.1 108.1#

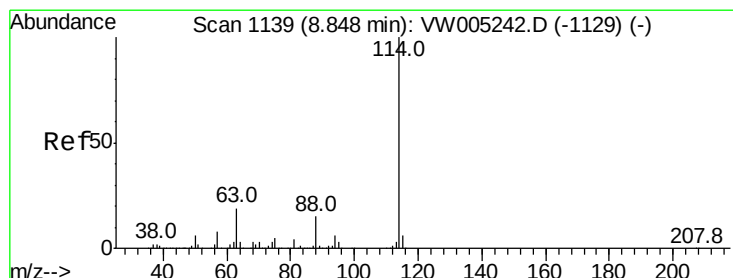
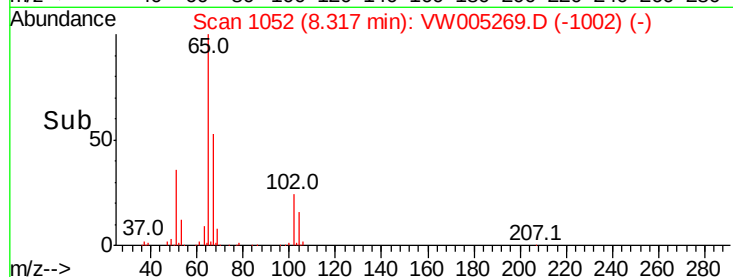
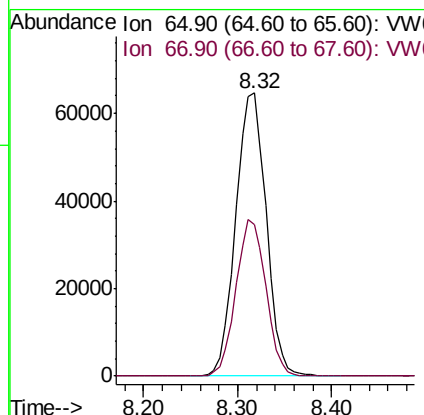
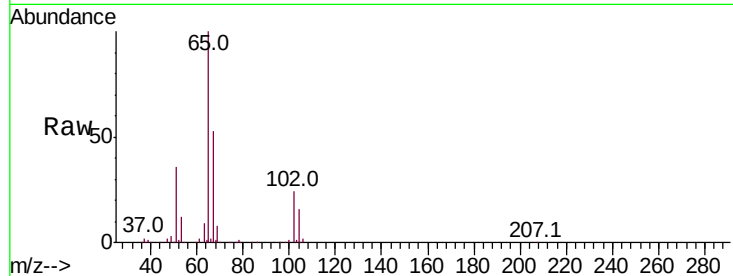




#33
 1,2-Dichloroethane-d4
 Concen: 48.711 ug/l
 RT: 8.32 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VW005269.D
 Acq: 11 Sep 2018 12:29

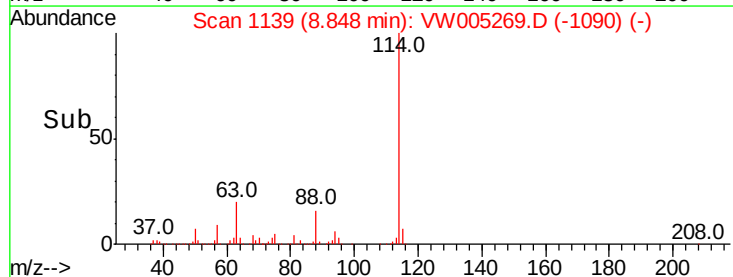
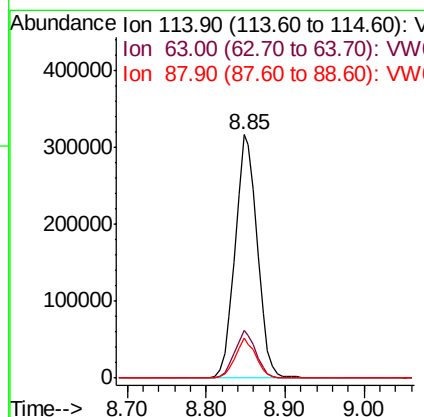
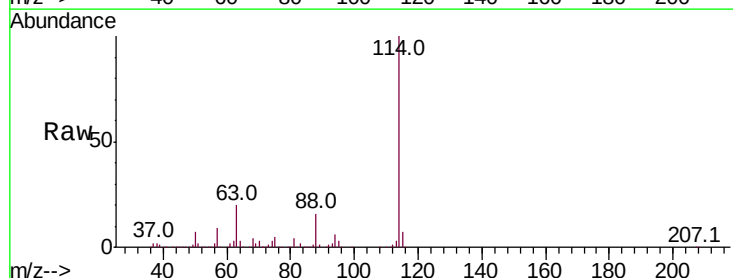
Instrument :
 MSVOA_W
 ClientSampleId :

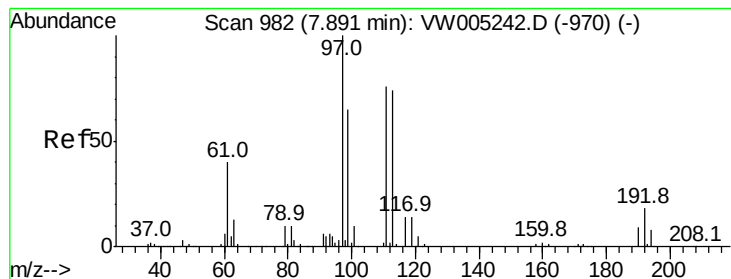
Tot Ion: 65 Resp: 145792
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 112.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005269.D
 Acq: 11 Sep 2018 12:29

Tgt Ion: 114 Resp: 620796
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 37.0
 88 16.4 0.0 30.4





#35

Dibromofluoromethane

Concen: 42.510 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW005269.D

Acq: 11 Sep 2018 12:29

Instrument :
MSVOA_W
ClientSampled :

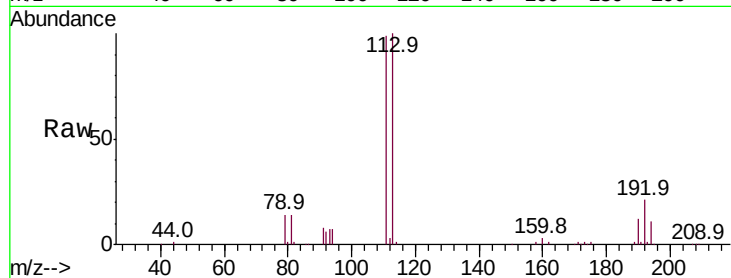
Tot Ion:113 Resp: 138241

Ion Ratio Lower Upper

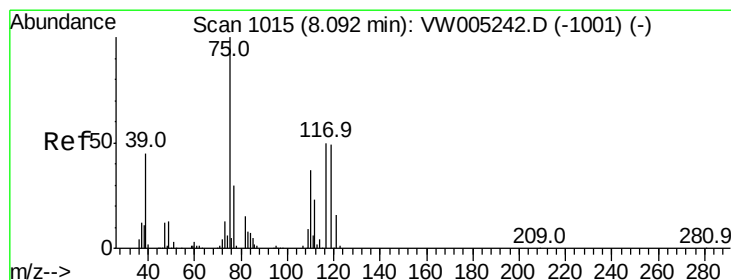
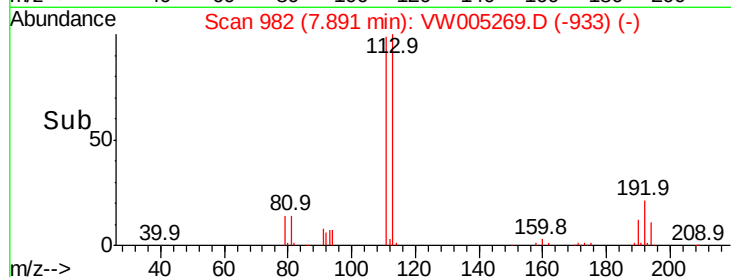
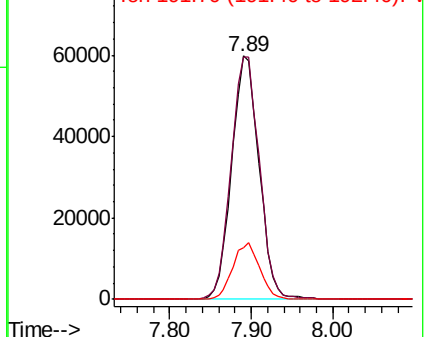
113 100

111 102.7 80.6 121.0

192 22.8 18.3 27.5



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: 4.519 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.13 min

Lab File: VW005269.D

Acq: 11 Sep 2018 12:29

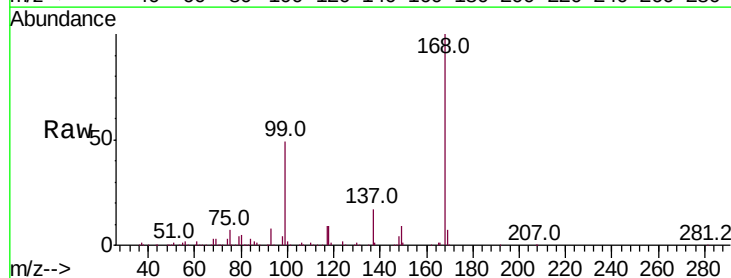
Tgt Ion: 75 Resp: 25700

Ion Ratio Lower Upper

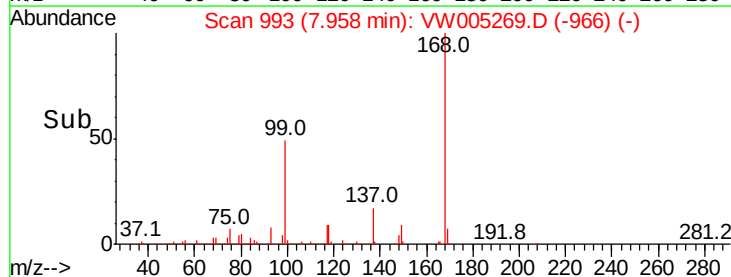
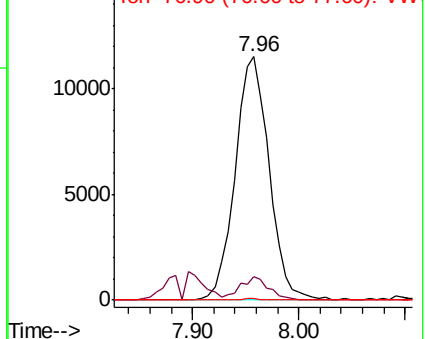
75 100

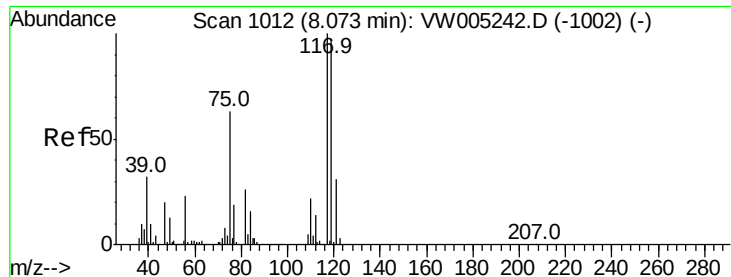
110 8.1 18.8 56.4#

77 0.2 24.9 37.3#



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: 6.638 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005269.D

Acq: 11 Sep 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

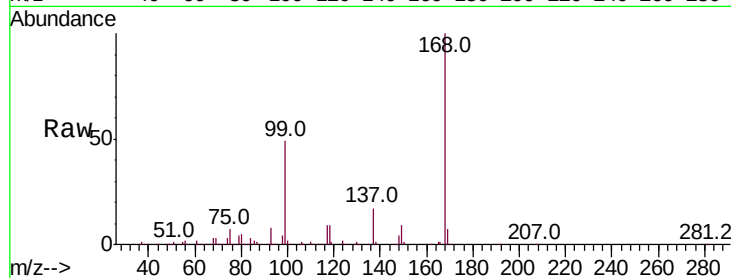
Tot Ion:117 Resp: 35368

Ion Ratio Lower Upper

117 100

119 5.8 77.5 116.3#

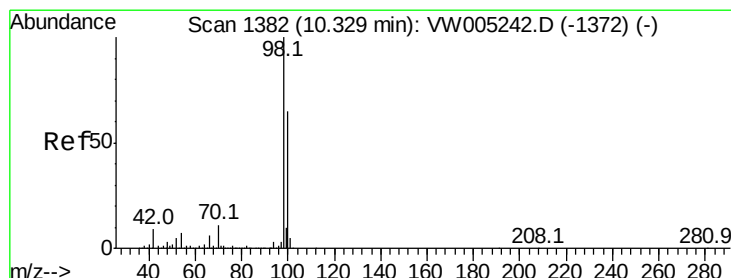
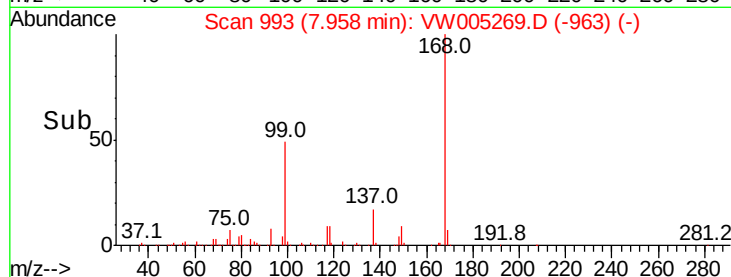
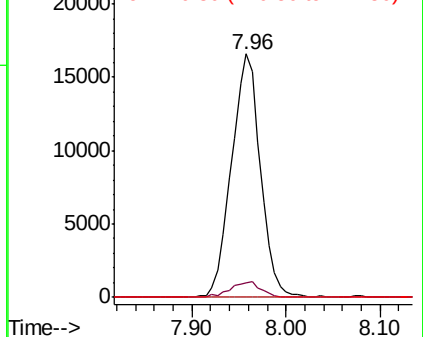
121 0.0 24.7 37.1#



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: 33.226 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005269.D

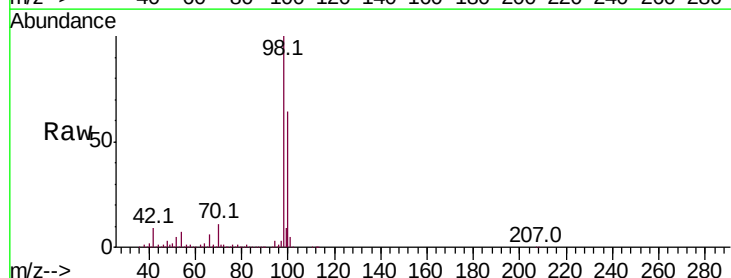
Acq: 11 Sep 2018 12:29

Tgt Ion: 98 Resp: 545991

Ion Ratio Lower Upper

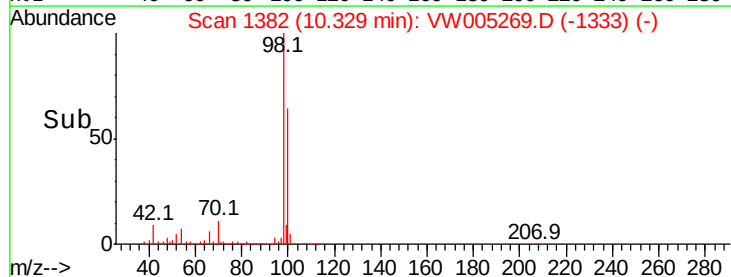
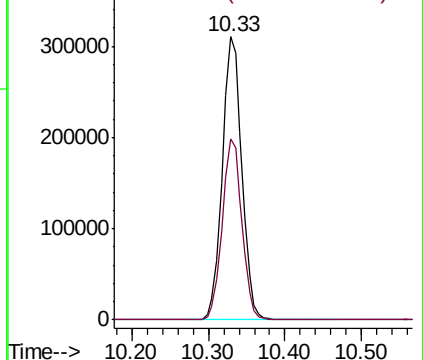
98 100

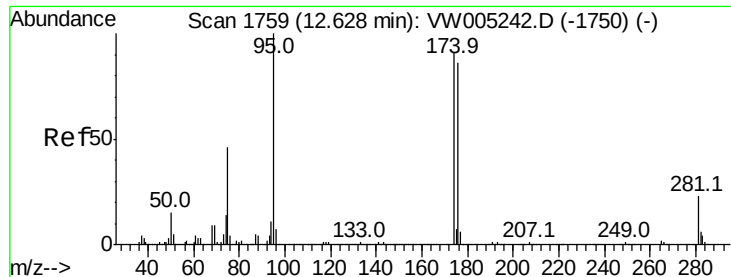
100 64.3 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 25.547 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.00 min

Lab File: VW005269.D

Acq: 11 Sep 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

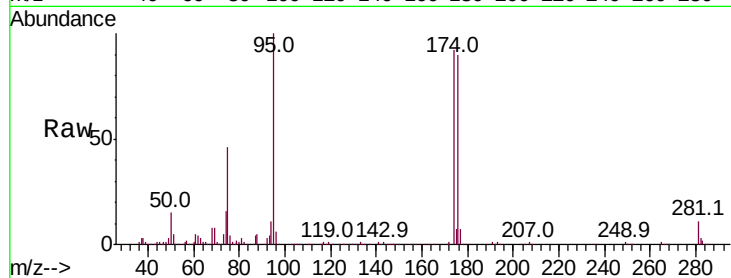
Tot Ion: 95 Resp: 153553

Ion Ratio Lower Upper

95 100

174 88.3 0.0 174.6

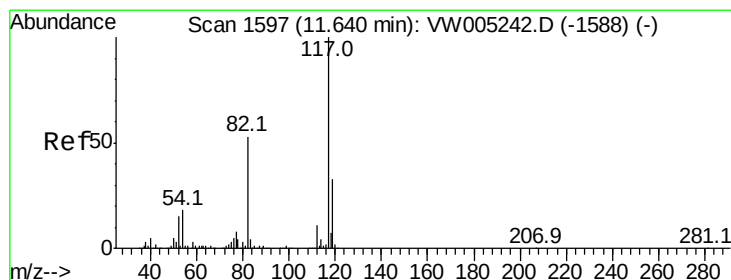
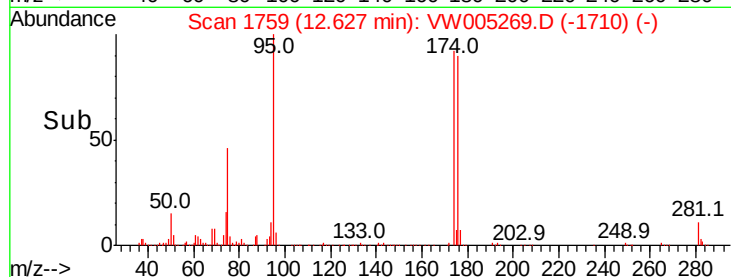
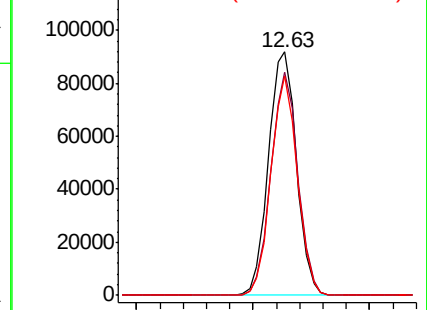
176 85.2 0.0 167.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VW005269.D

Acq: 11 Sep 2018 12:29

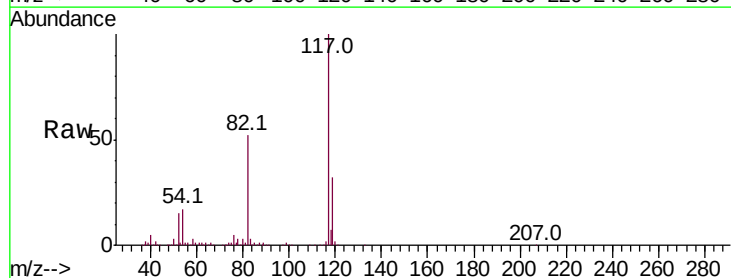
Tgt Ion: 117 Resp: 546905

Ion Ratio Lower Upper

117 100

82 52.3 42.6 63.8

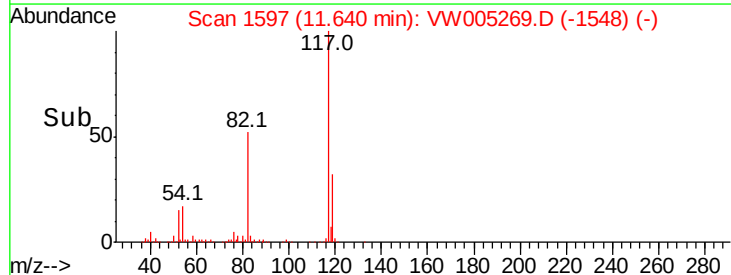
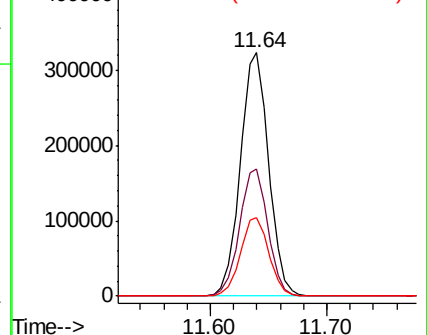
119 32.5 26.2 39.4

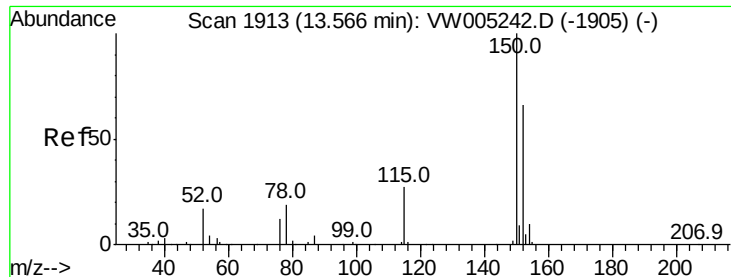


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



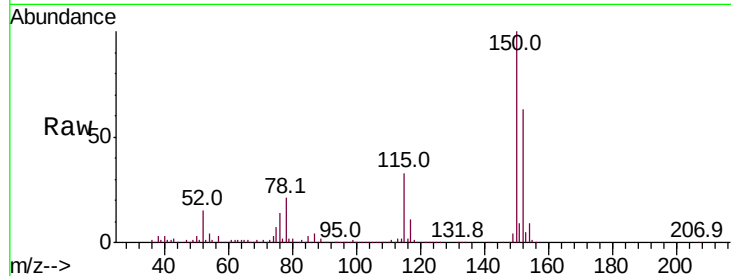


#72

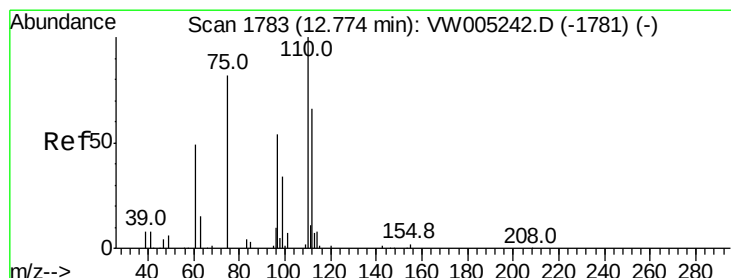
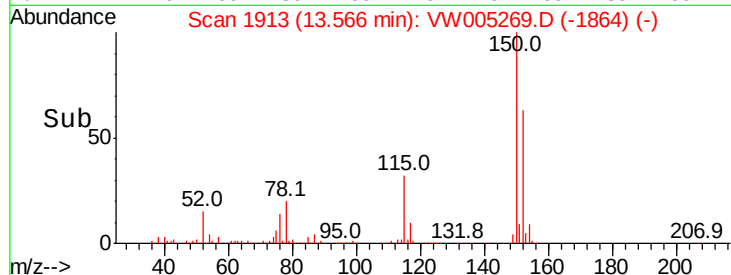
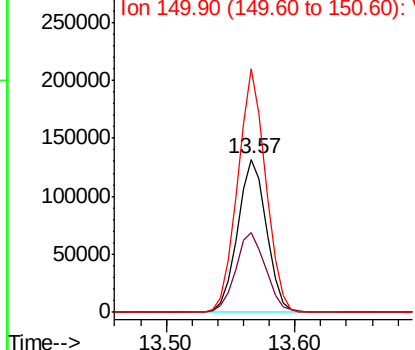
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005269.D
Acq: 11 Sep 2018 12:29

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:152 Resp: 203827
Ion Ratio Lower Upper
152 100
115 54.8 27.5 82.4
150 155.0 0.0 347.4



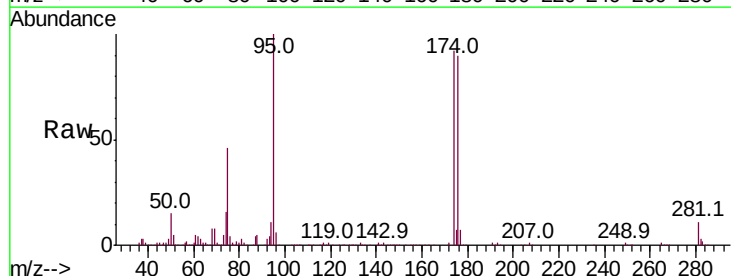
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



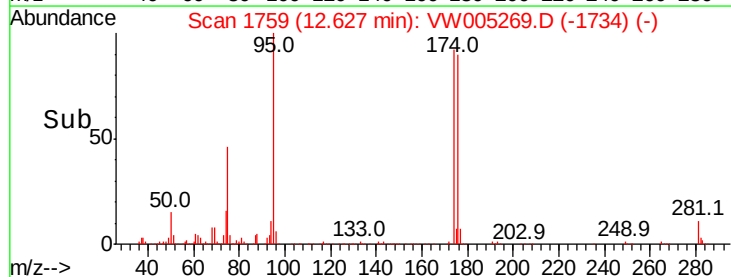
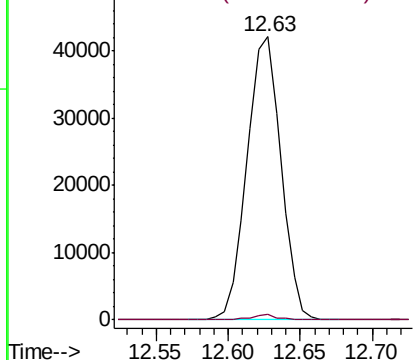
#76

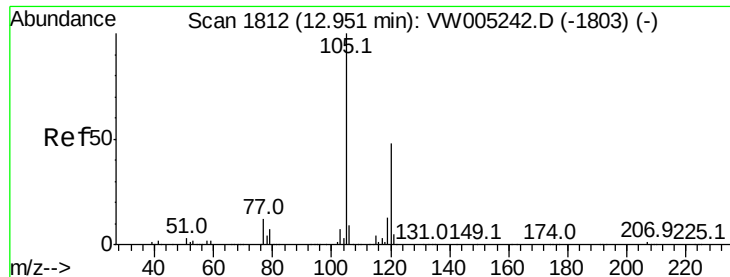
1,2,3-Trichloropropane
Concen: 43.841 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. -0.15 min
Lab File: VW005269.D
Acq: 11 Sep 2018 12:29

Tgt Ion: 75 Resp: 68731
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW

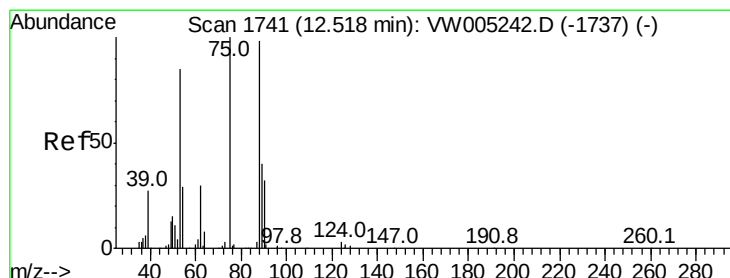
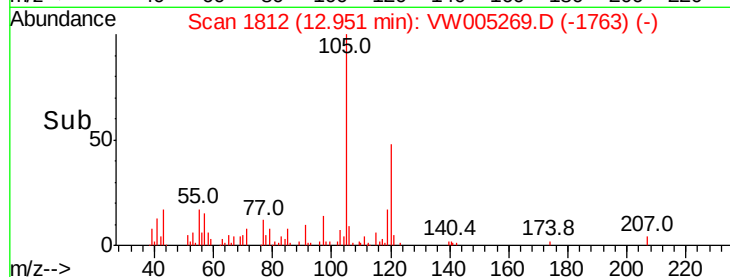
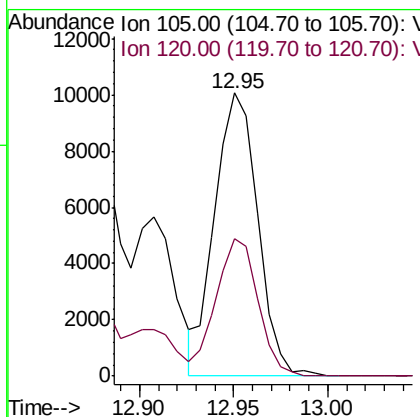
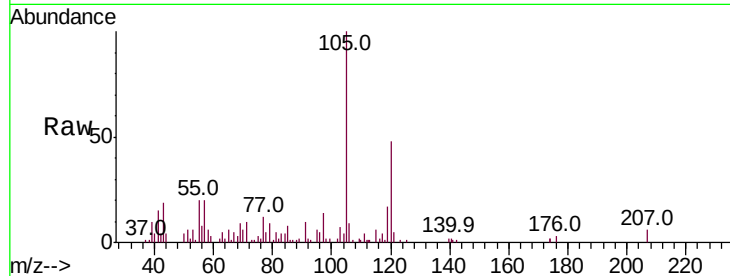




#80
 1,3,5-Trimethylbenzene
 Concen: 1.300 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW005269.D
 Acq: 11 Sep 2018 12:29

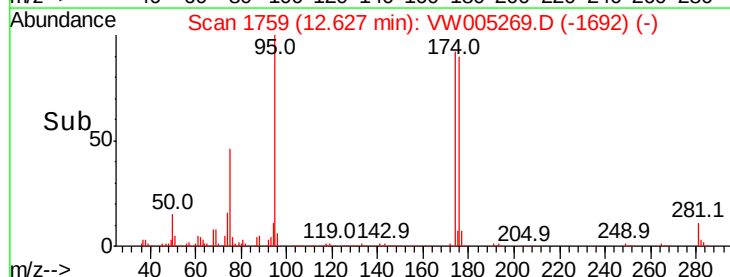
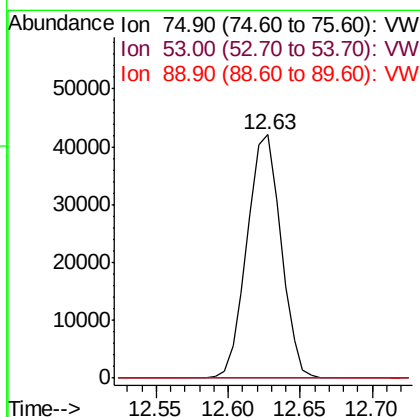
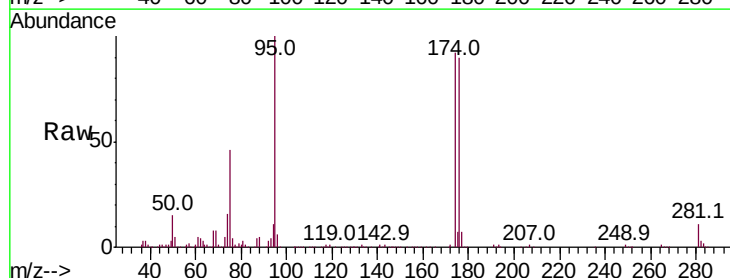
Instrument :
 MSVOA_W
 ClientSampled :

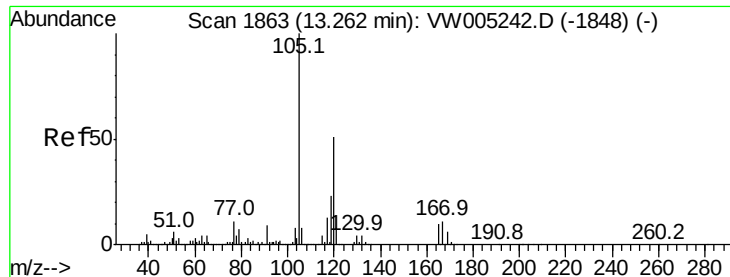
Tot Ion:105 Resp: 15948
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.4 73.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.817 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. 0.11 min
 Lab File: VW005269.D
 Acq: 11 Sep 2018 12:29

Tgt Ion: 75 Resp: 68731
 Ion Ratio Lower Upper
 75 100
 53 0.3 67.0 100.6#
 89 0.1 37.0 55.4#

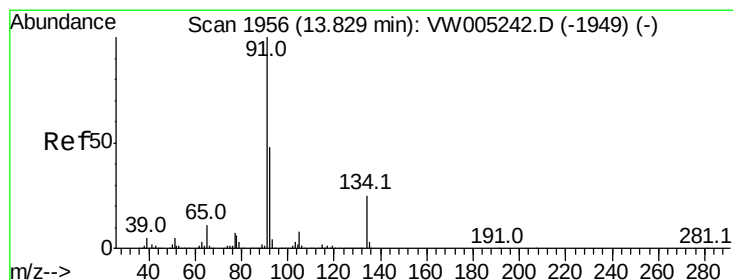
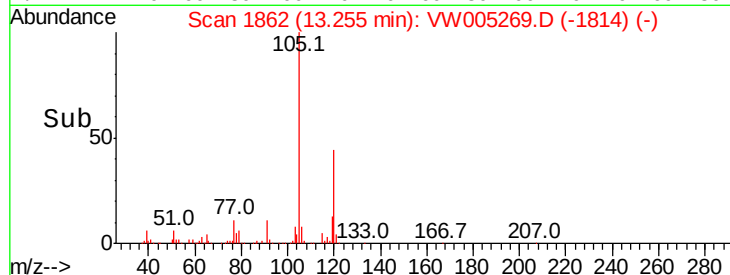
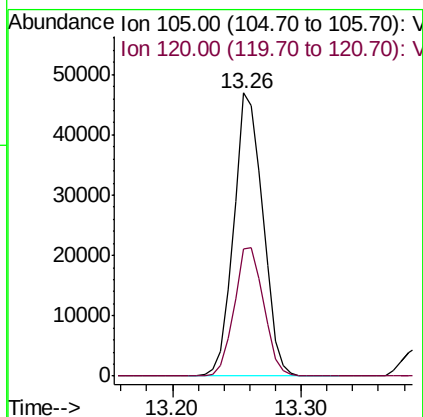
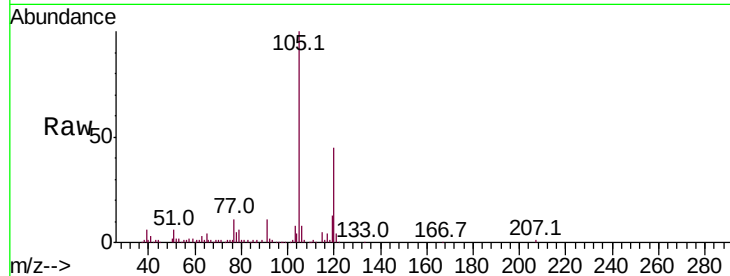




#84
 1,2,4-Trimethylbenzene
 Concen: 5.988 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.01 min
 Lab File: VW005269.D
 Acq: 11 Sep 2018 12:29

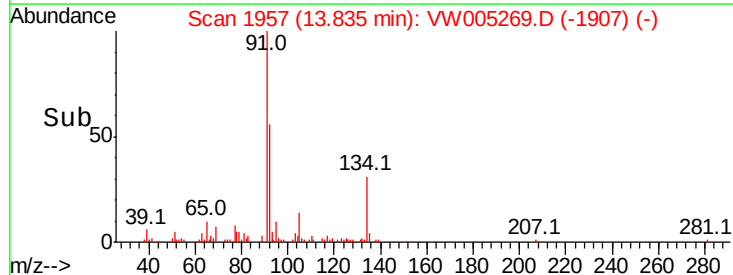
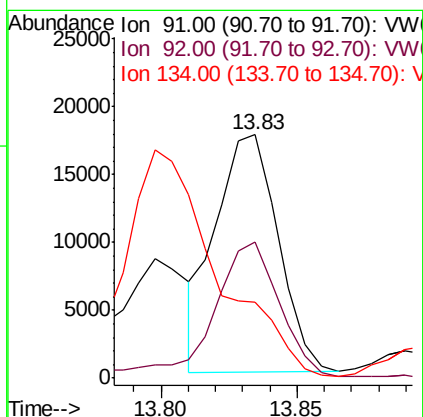
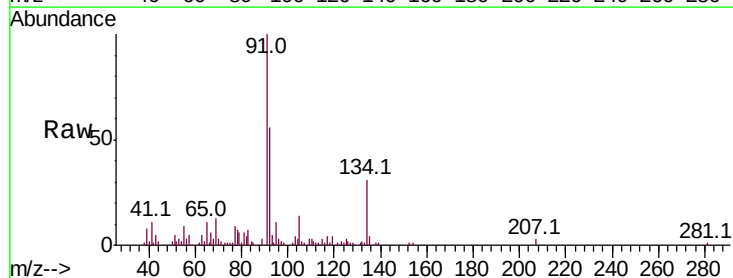
Instrument :
 MSVOA_W
 ClientSampled :

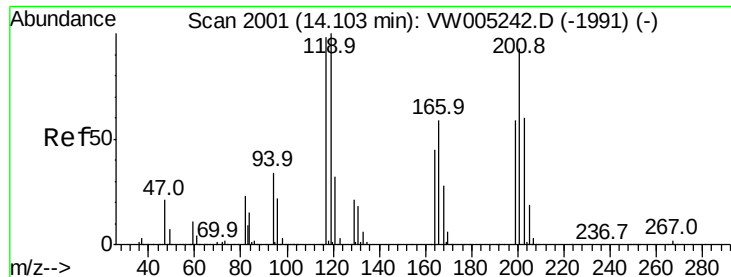
Tot Ion:105 Resp: 73794
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.4 70.3



#89
 n-Butylbenzene
 Concen: 2.170 ug/l
 RT: 13.83 min Scan# 1957
 Delta R.T. 0.01 min
 Lab File: VW005269.D
 Acq: 11 Sep 2018 12:29

Tgt Ion: 91 Resp: 27833
 Ion Ratio Lower Upper
 91 100
 92 58.9 25.8 77.3
 134 0.0 13.6 40.8#





#90

Hexachloroethane

Concen: 4.283 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW005269.D

Acq: 11 Sep 2018 12:29

Instrument :

MSVOA_W

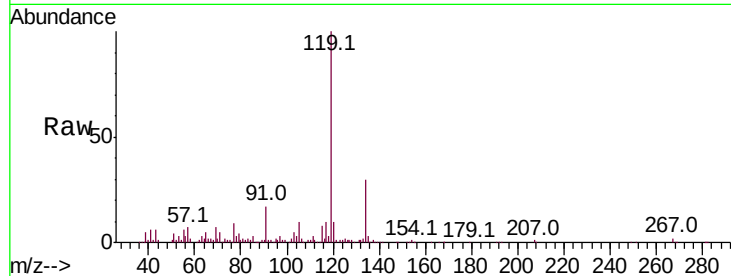
ClientSampled :

Tot Ion:117 Resp: 9364

Ion Ratio Lower Upper

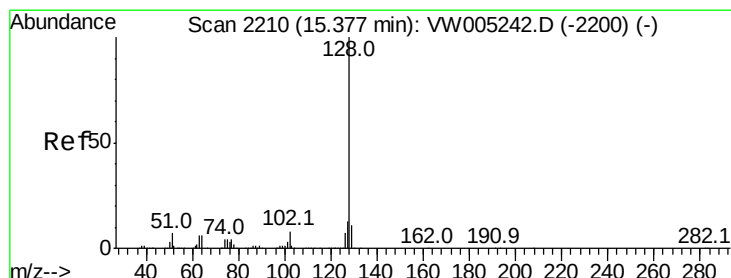
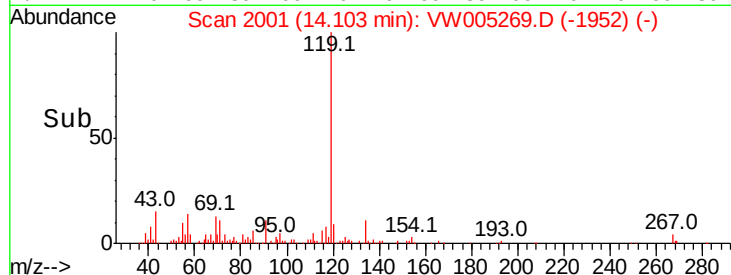
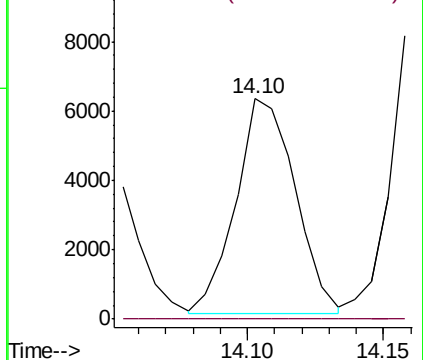
117 100

201 0.0 44.0 132.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 4.696 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005269.D

Acq: 11 Sep 2018 12:29

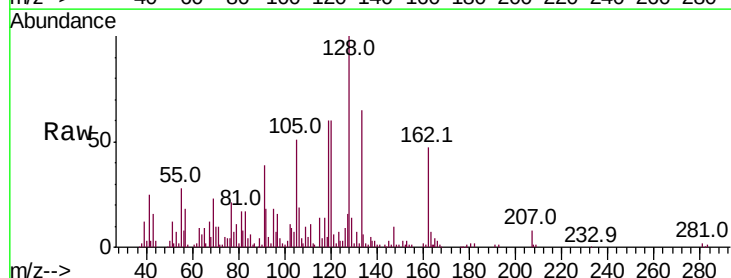
Tgt Ion:128 Resp: 33723

Ion Ratio Lower Upper

128 100

127 10.9 10.3 15.5

129 6.6 8.8 13.2#



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

