

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011855.D
 Acq On : 12 Aug 2019 16:32
 Operator : SY/VA
 Sample : K4229-11
 Misc : 5.81G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 07:46:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	200557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	338123	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	282408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	113231	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	136803	59.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.80%	
35) Dibromofluoromethane	7.88	113	105803	55.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.56%	
50) Toluene-d8	10.32	98	417759	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
62) 4-Bromofluorobenzene	12.62	95	131535	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	

Target Compounds

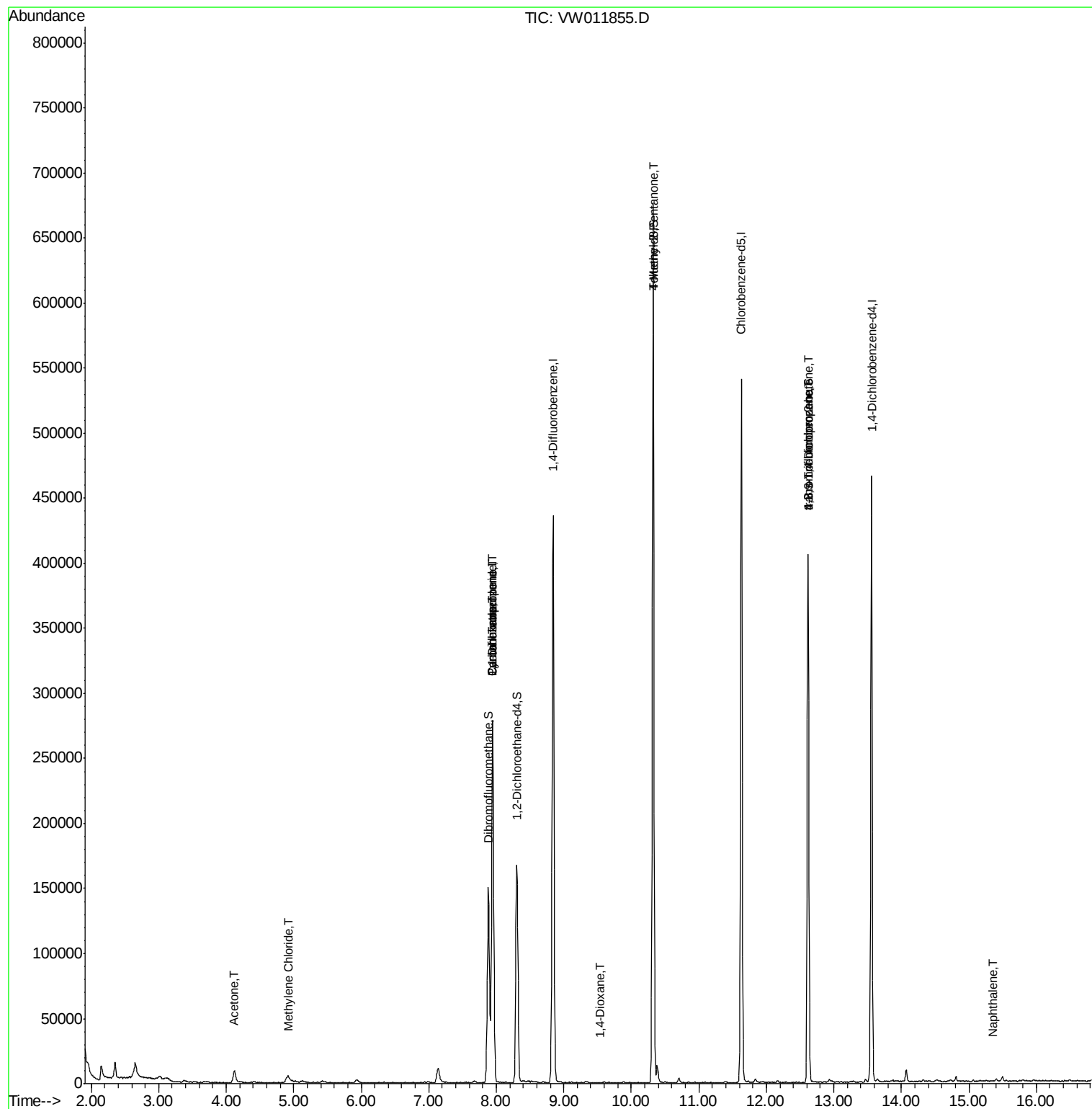
					Qvalue	
11) Tert butyl alcohol	5.12	59	1153	Below Cal	#	72
16) Acetone	4.12	43	16413	22.405	ug/l	97
20) Methylene Chloride	4.91	84	3804	1.506	ug/l	93
31) Cyclohexane	7.95	56	5262	1.222	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17276	4.914	ug/l #	52
38) Carbon Tetrachloride	7.95	117	20912	6.948	ug/l #	17
49) 1,4-Dioxane	9.54	88	19	1.091	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	2580	1.333	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	70728	59.033	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70728	136.050	ug/l #	6
95) Naphthalene	15.36	128	195	2.108	ug/l #	69

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

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW011855.D

Acq: 12 Aug 2019 16:32

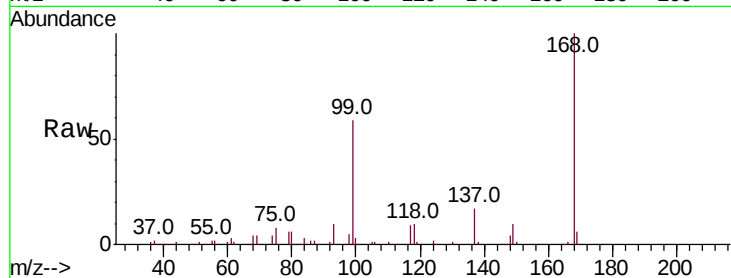
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 200557

Ion Ratio Lower Upper

168 100

99 58.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

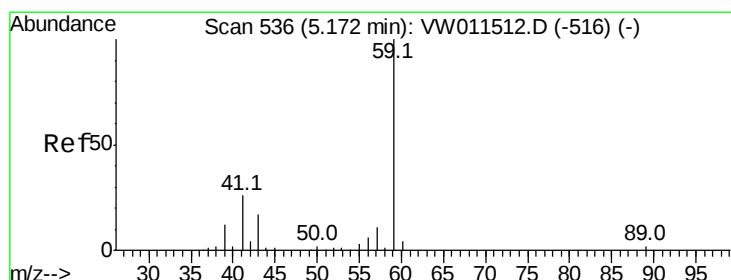
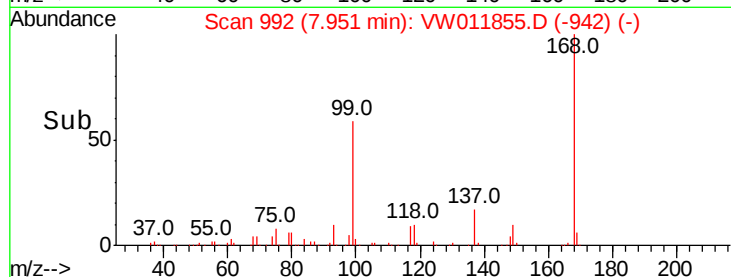
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: VW011855.D

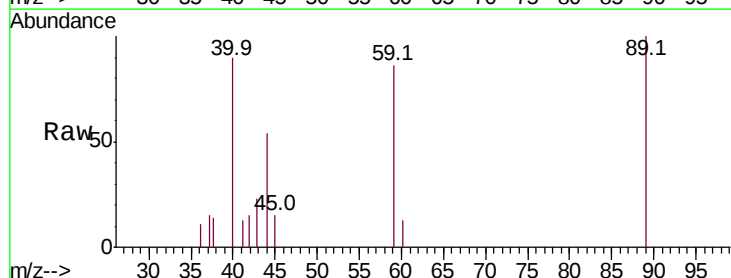
Acq: 12 Aug 2019 16:32

Tgt Ion: 59 Resp: 1153

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

500

400

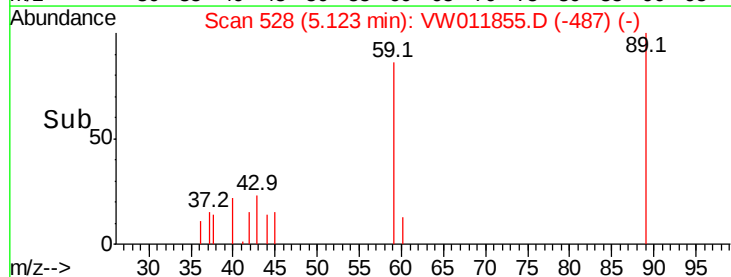
300

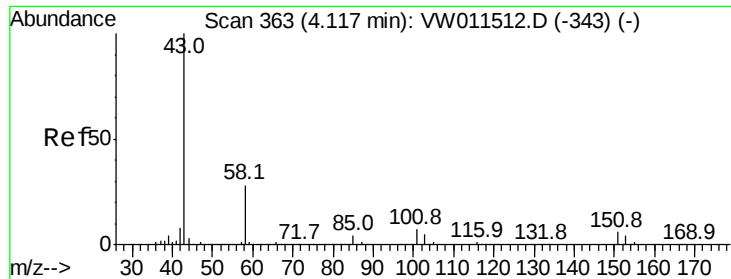
200

100

0

Time--> 5.05 5.10 5.15





#16

Acetone

Concen: 22.405 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011855.D

Acq: 12 Aug 2019 16:32

Instrument :

MSVOA_W

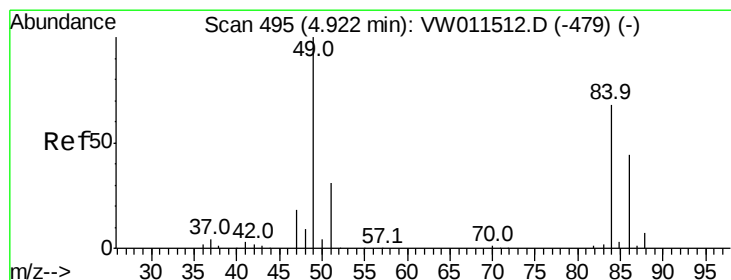
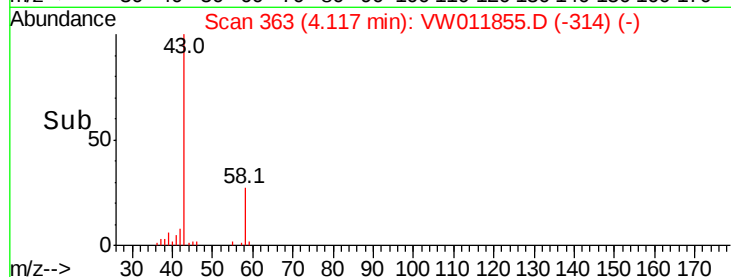
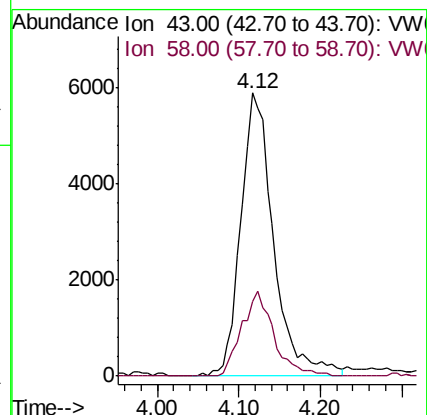
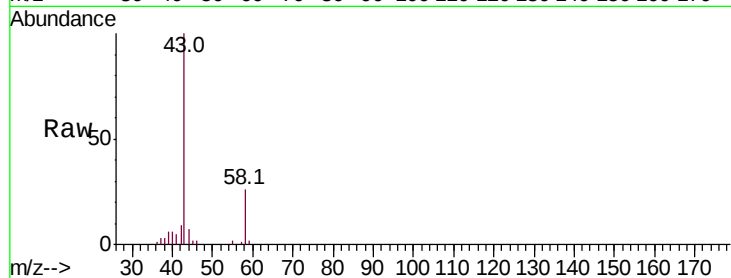
ClientSampleId :

Tot Ion: 43 Resp: 16413

Ion Ratio Lower Upper

43 100

58 26.3 22.3 33.5



#20

Methylene Chloride

Concen: 1.506 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011855.D

Acq: 12 Aug 2019 16:32

Tgt Ion: 84 Resp: 3804

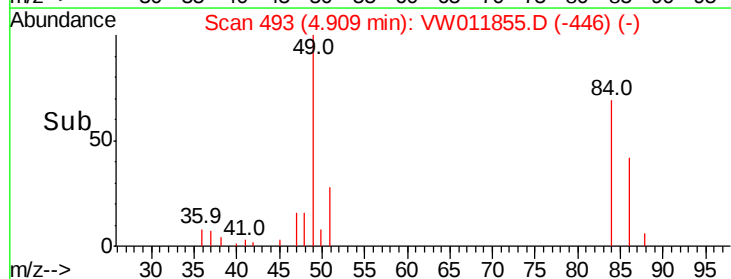
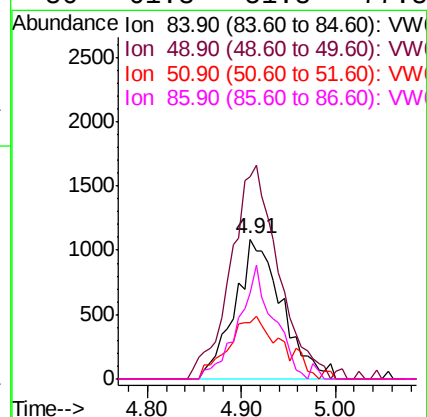
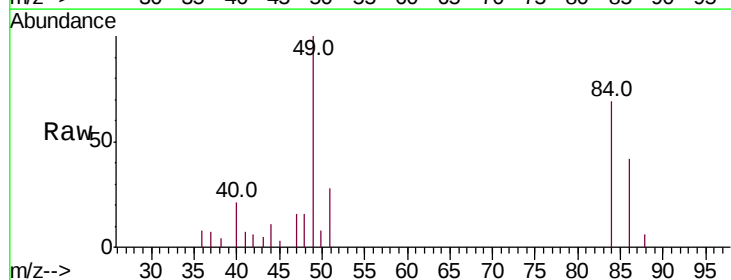
Ion Ratio Lower Upper

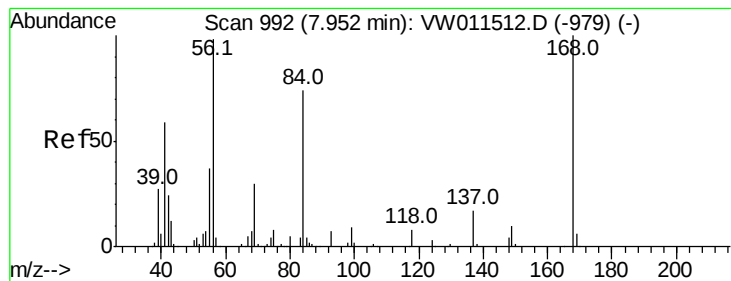
84 100

49 138.7 117.8 176.6

51 39.9 37.0 55.4

86 61.3 51.8 77.8





#31

Cyclohexane

Concen: 1.222 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

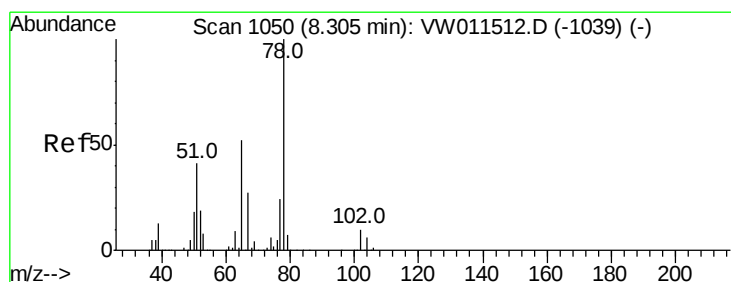
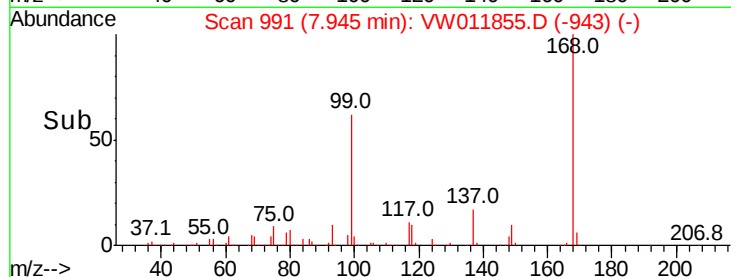
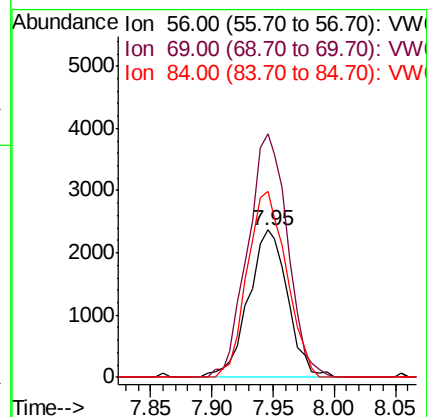
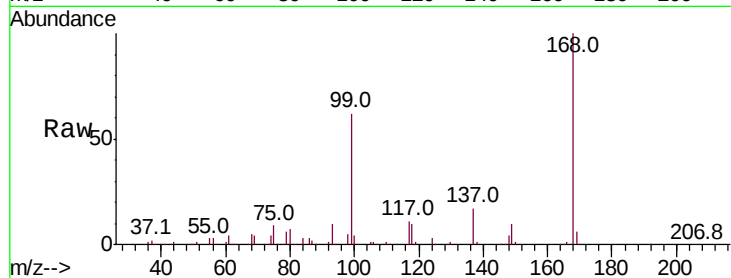
Lab File: VW011855.D

Acq: 12 Aug 2019 16:32

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 5262

Ion	Ratio	Lower	Upper
56	100		
69	165.3	24.3	36.5#
84	126.4	60.4	90.6#



#33

1,2-Dichloroethane-d4

Concen: 59.403 ug/l

RT: 8.30 min Scan# 1050

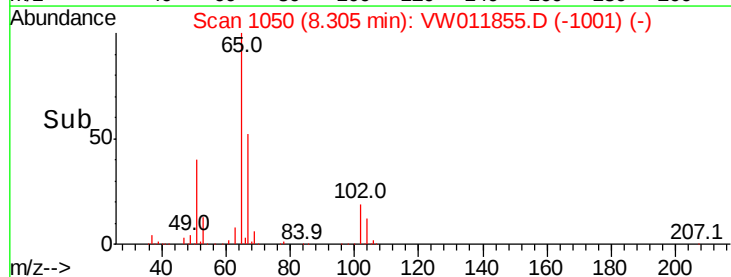
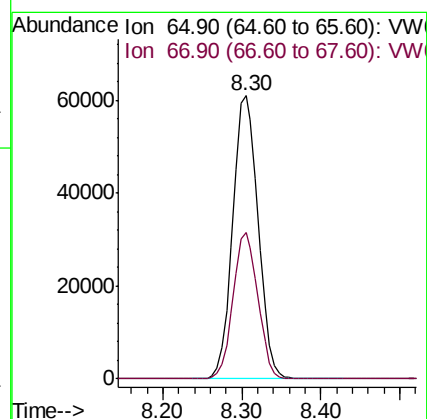
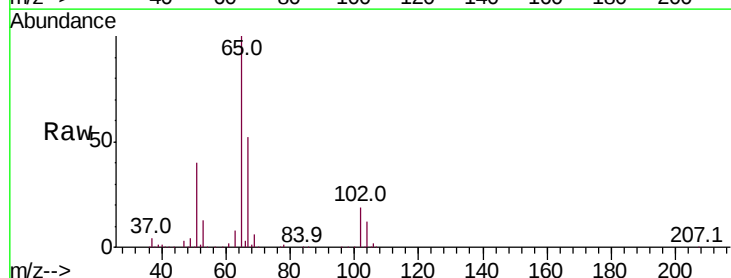
Delta R.T. -0.00 min

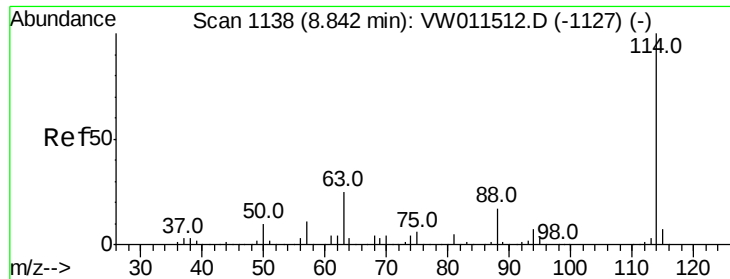
Lab File: VW011855.D

Acq: 12 Aug 2019 16:32

Tgt Ion: 65 Resp: 136803

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	105.2

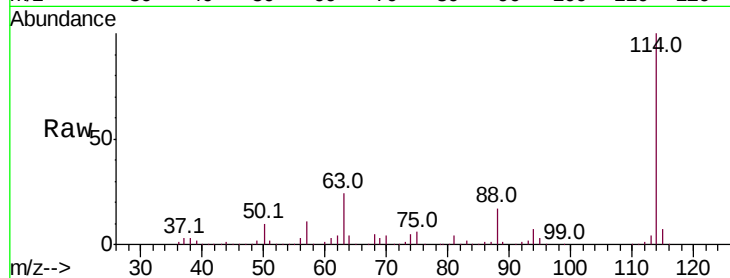




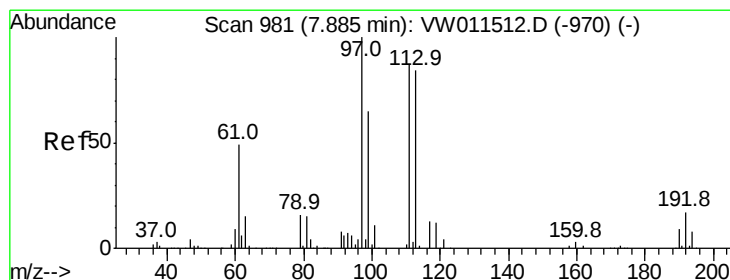
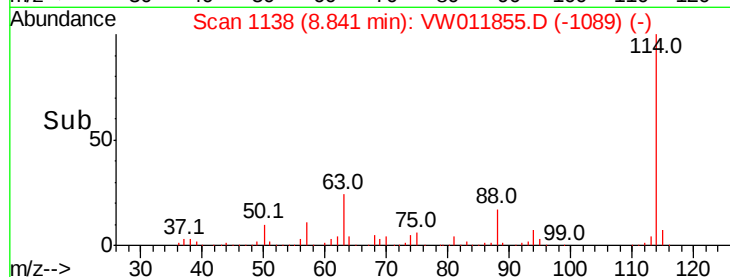
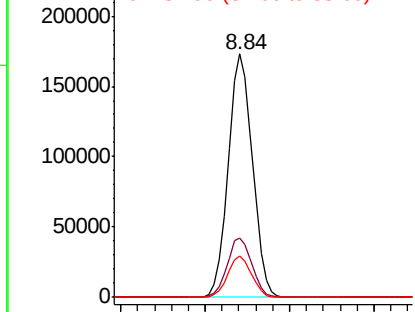
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011855.D
 Acq: 12 Aug 2019 16:32

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	49.2
88	17.0	0.0	33.8

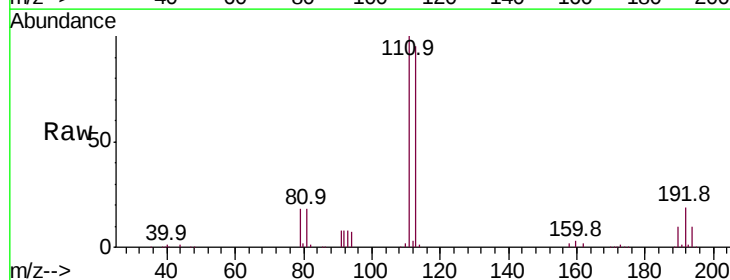


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

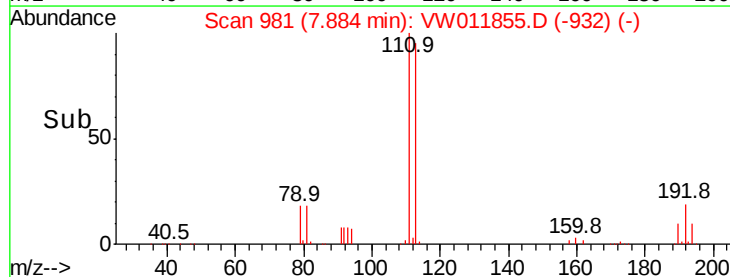
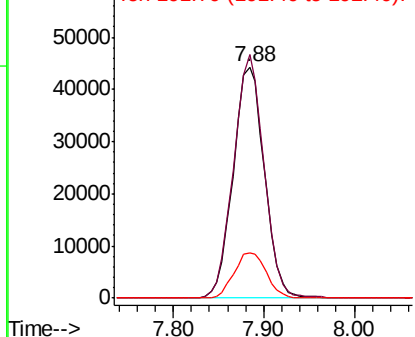


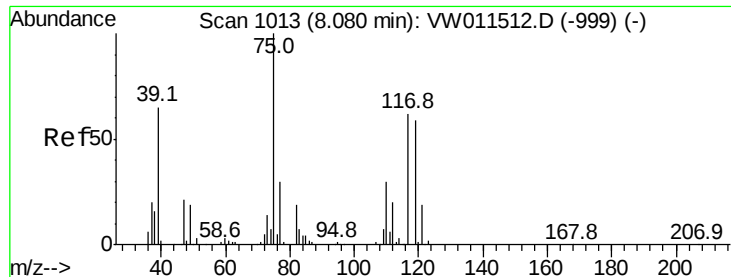
#35
 Dibromofluoromethane
 Concen: 55.776 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011855.D
 Acq: 12 Aug 2019 16:32

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.7	124.1
192	20.4	16.1	24.1



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

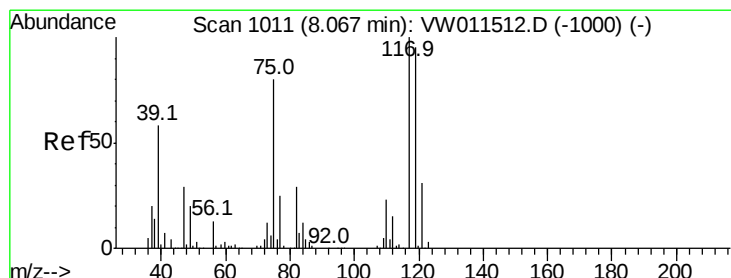
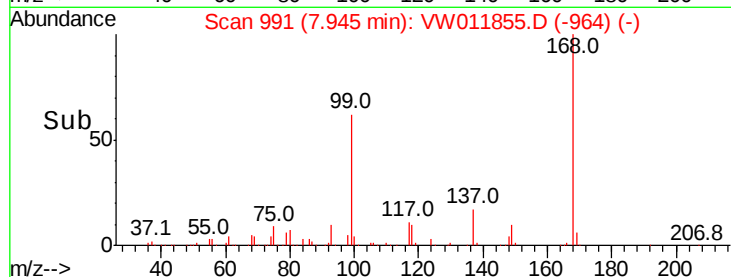
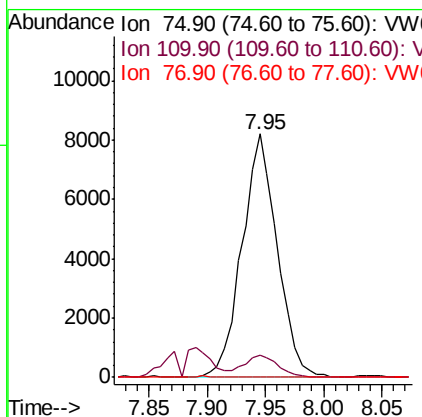
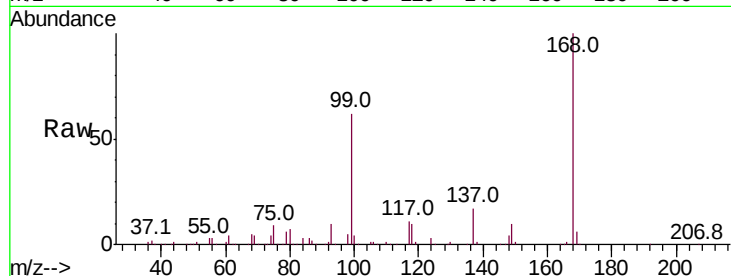




#36
 1,1-Dichloropropene
 Concen: 4.914 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011855.D
 Acq: 12 Aug 2019 16:32

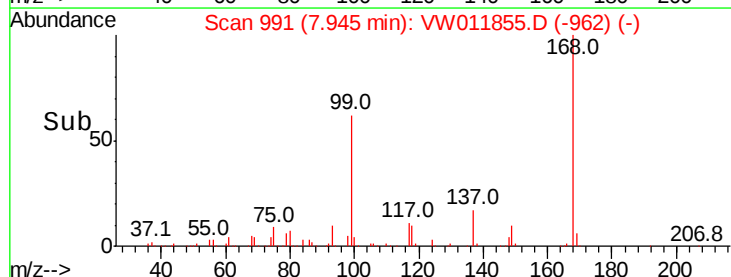
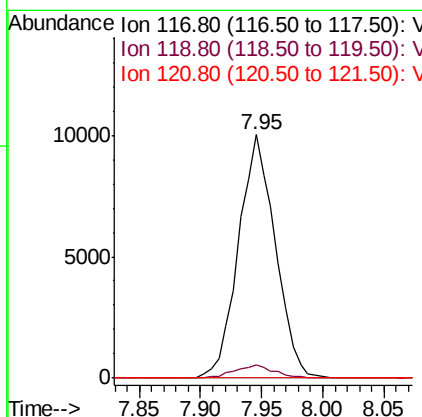
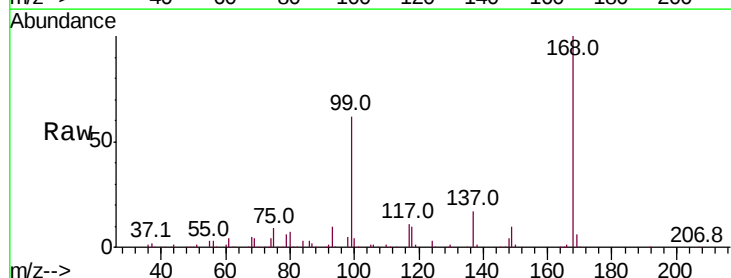
Instrument :
 MSVOA_W
 ClientSampled :

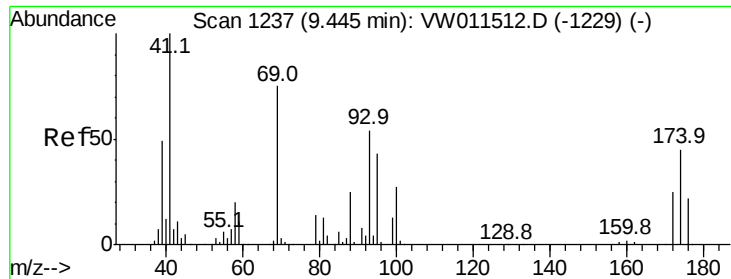
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.948 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011855.D
 Acq: 12 Aug 2019 16:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	75.8	113.6#
121	0.0	24.7	37.1#

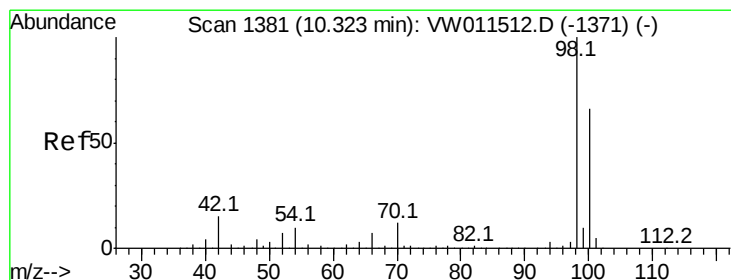
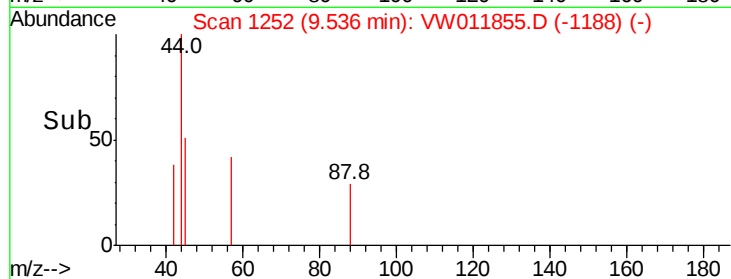
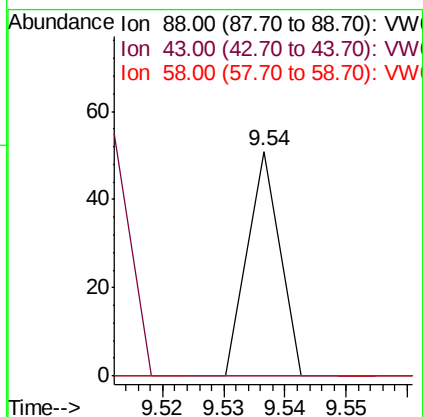
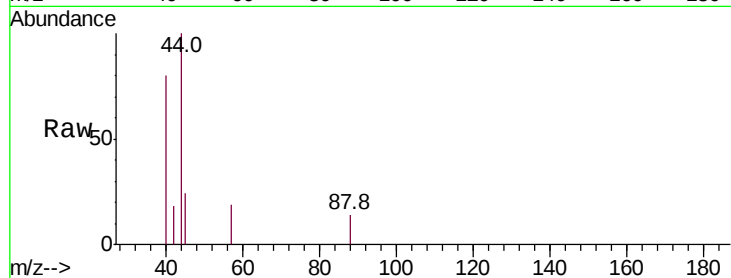




#49
1,4-Dioxane
Concen: 1.091 ug/l
RT: 9.54 min Scan# 1252
Delta R.T. 0.09 min
Lab File: VW011855.D
Acq: 12 Aug 2019 16:32

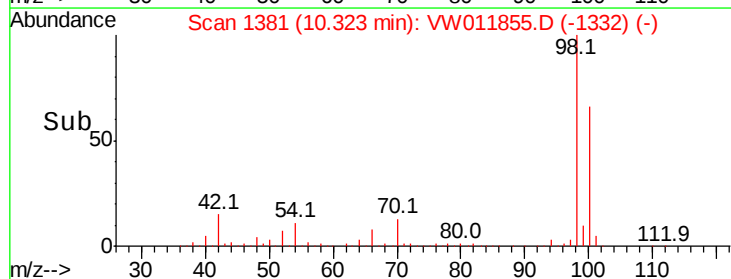
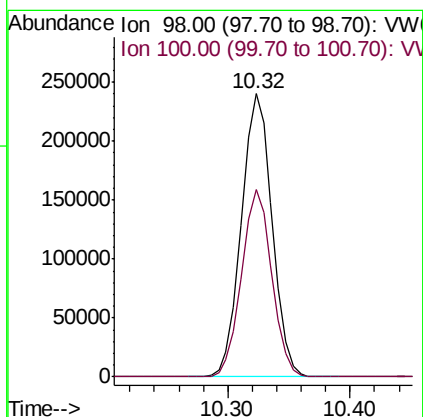
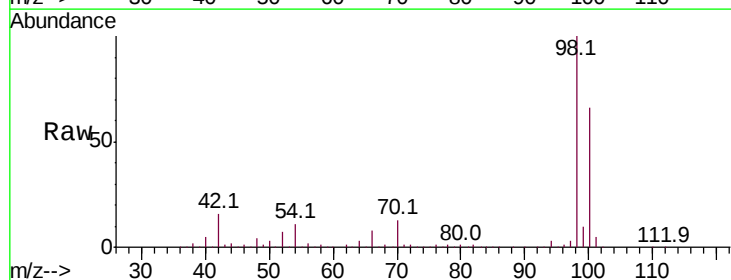
Instrument :
MSVOA_W
ClientSampleId :

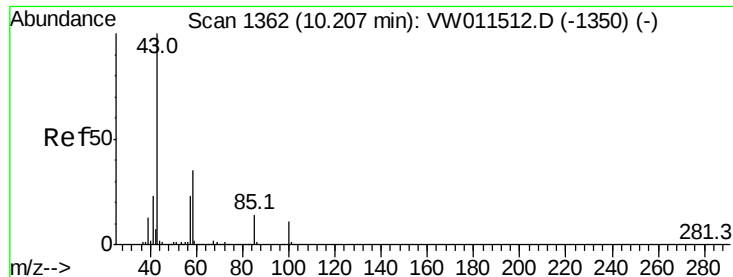
Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 34.0 51.0#
58 0.0 69.7 104.5#



#50
Toluene-d8
Concen: 53.789 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011855.D
Acq: 12 Aug 2019 16:32

Tgt Ion: 98 Resp: 417759
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 1.333 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW011855.D

Acq: 12 Aug 2019 16:32

Instrument :

MSVOA_W

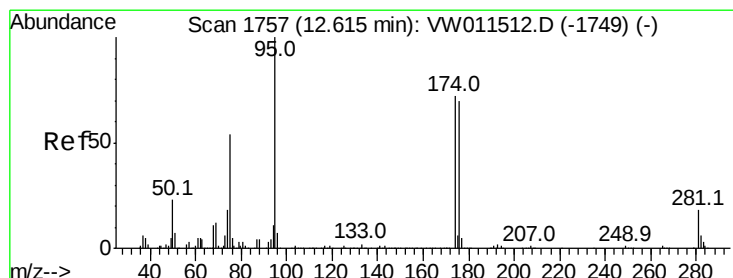
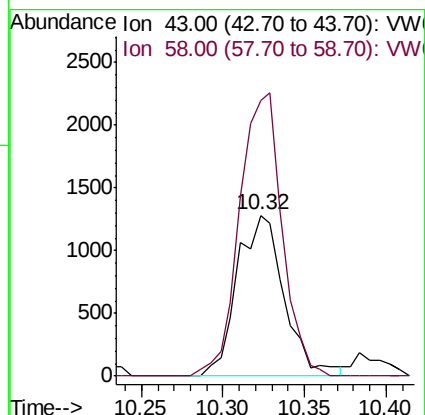
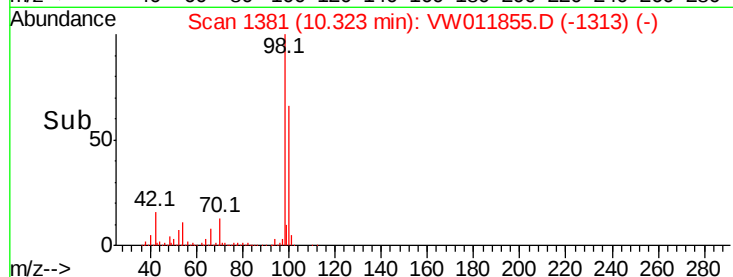
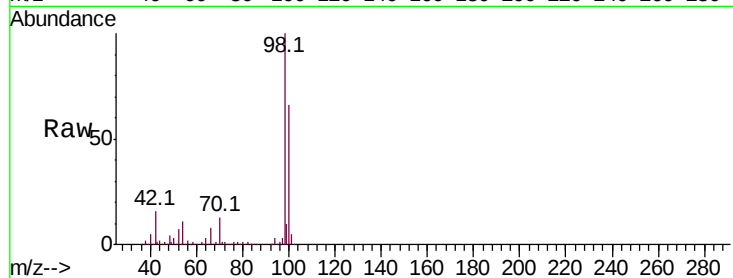
ClientSampled :

Tot Ion: 43 Resp: 2580

Ion Ratio Lower Upper

43 100

58 158.9 28.2 42.2#



#62

4-Bromofluorobenzene

Concen: 47.504 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011855.D

Acq: 12 Aug 2019 16:32

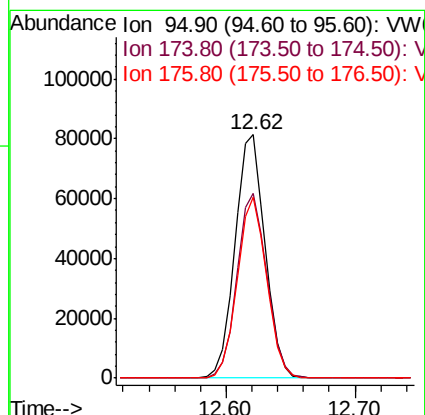
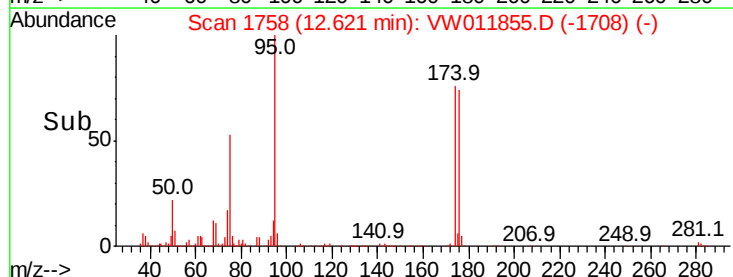
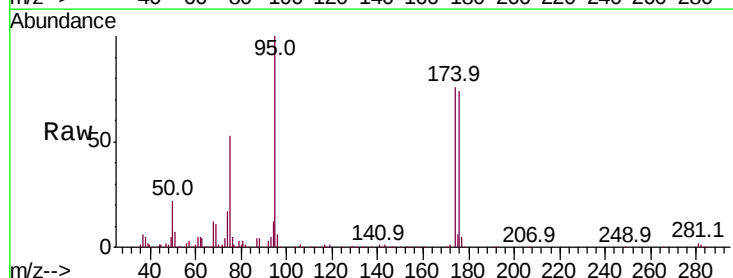
Tgt Ion: 95 Resp: 131535

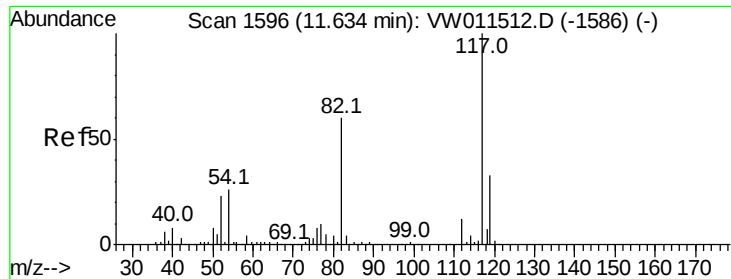
Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.2

176 72.5 0.0 144.4

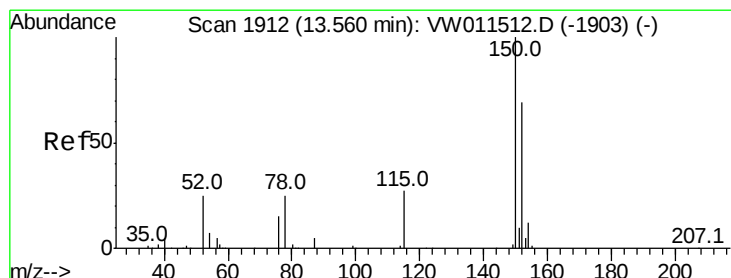
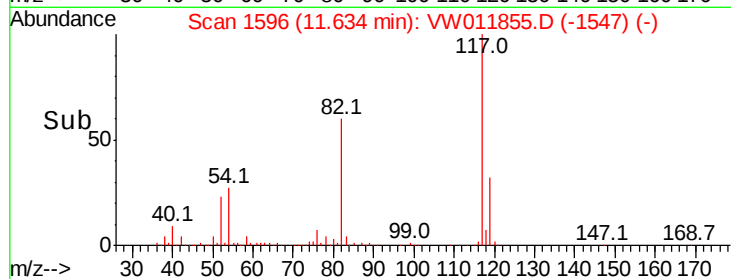
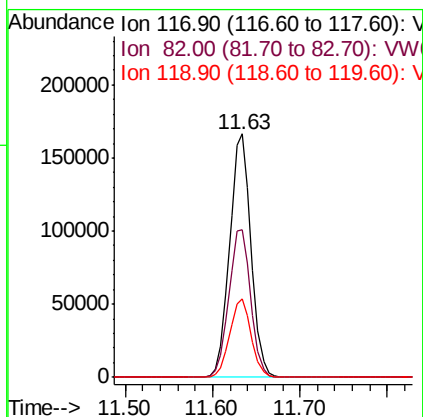
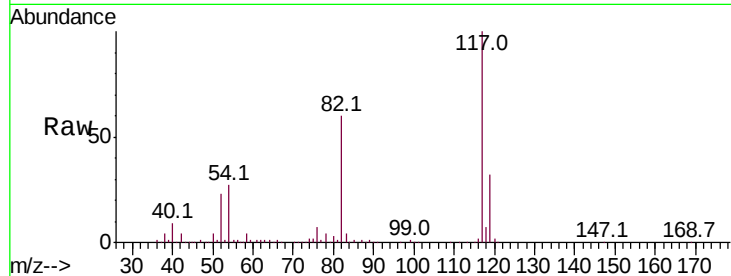




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011855.D
Acq: 12 Aug 2019 16:32

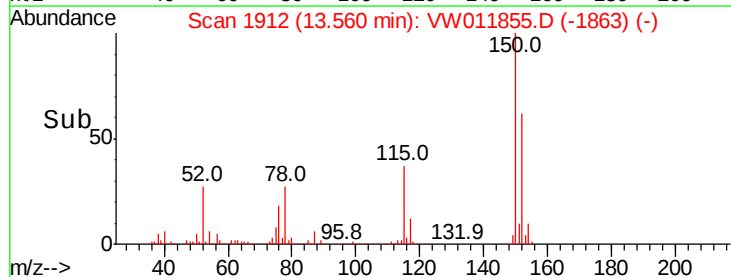
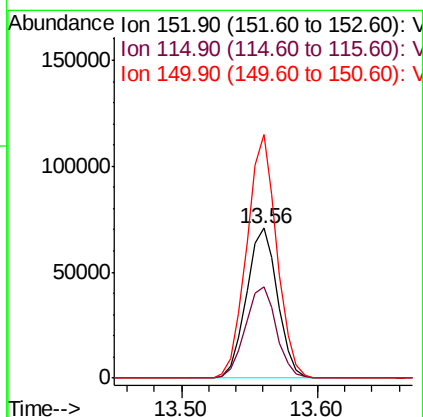
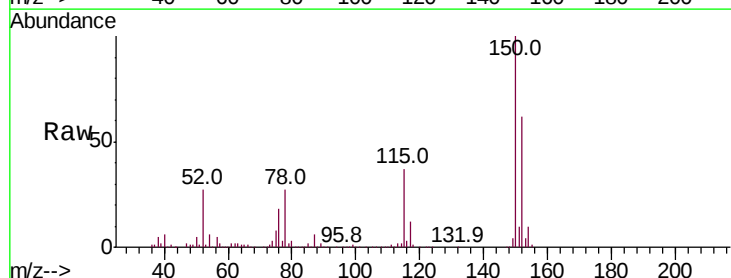
Instrument :
MSVOA_W
ClientSampleId :

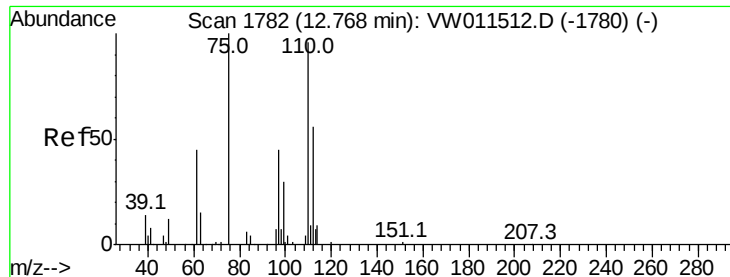
Tot Ion:117 Resp: 282408
Ion Ratio Lower Upper
117 100
82 60.4 47.9 71.9
119 32.2 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011855.D
Acq: 12 Aug 2019 16:32

Tgt Ion:152 Resp: 113231
Ion Ratio Lower Upper
152 100
115 60.8 30.5 91.5
150 156.7 0.0 352.6

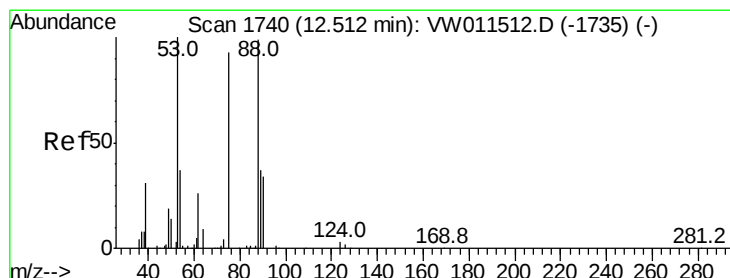
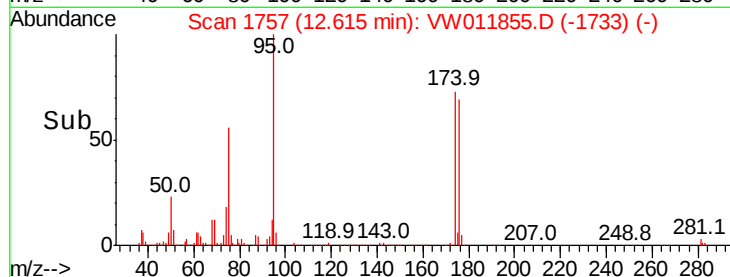
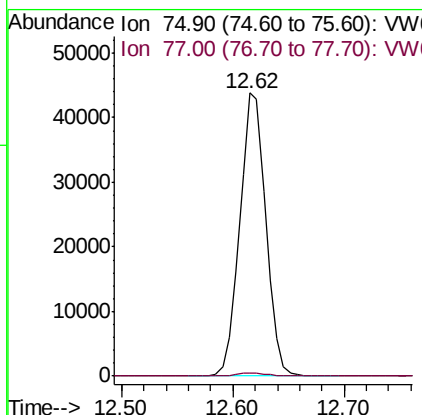
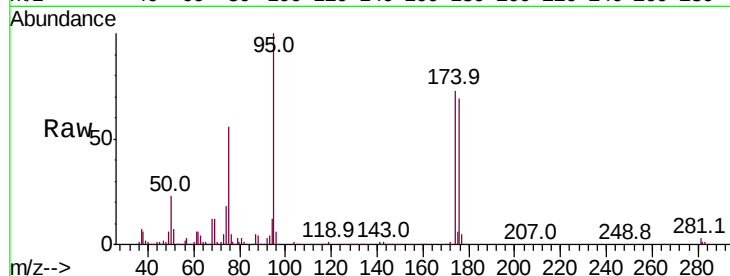




#76
 1,2,3-Trichloropropane
 Concen: 59.033 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011855.D
 Acq: 12 Aug 2019 16:32

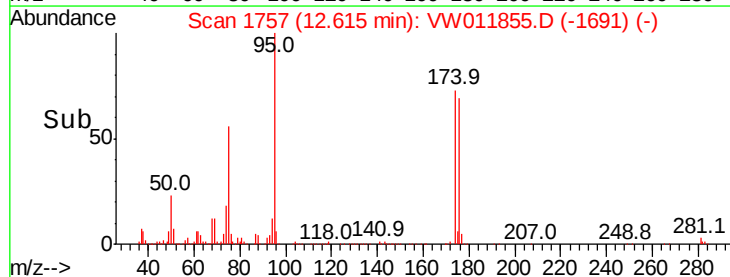
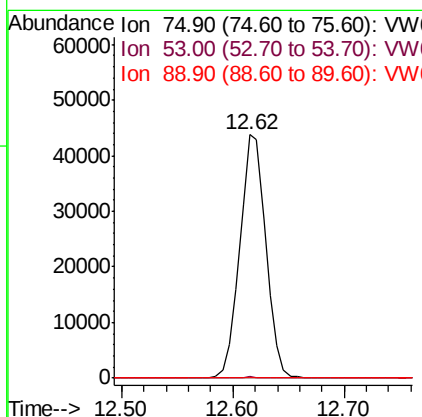
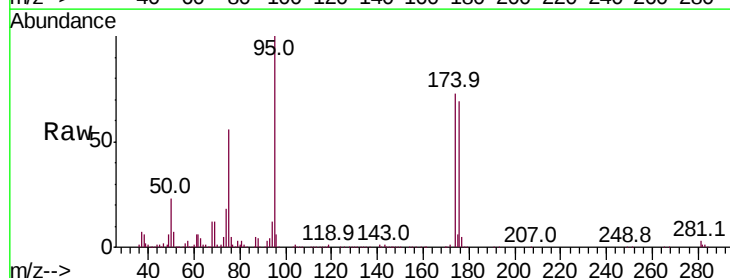
Instrument :
 MSVOA_W
 ClientSampleId :

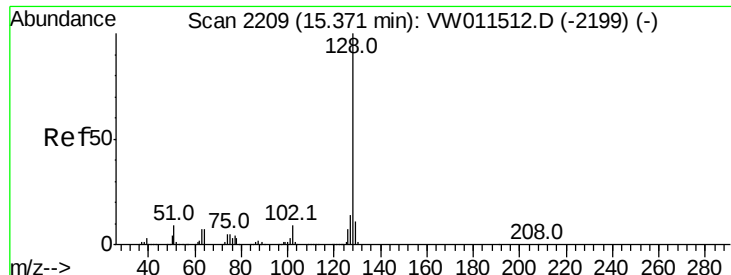
Tot Ion: 75 Resp: 70728
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.050 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011855.D
 Acq: 12 Aug 2019 16:32

Tgt Ion: 75 Resp: 70728
 Ion Ratio Lower Upper
 75 100
 53 0.3 88.0 132.0#
 89 0.2 35.3 52.9#





#95

Naphthalene

Concen: 2.108 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

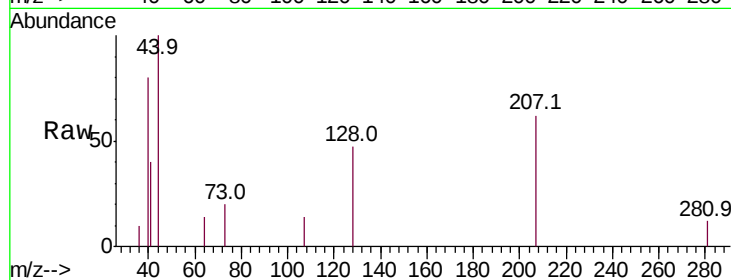
Lab File: VW011855.D

Acq: 12 Aug 2019 16:32

Instrument :

MSVOA_W

ClientSampleId :



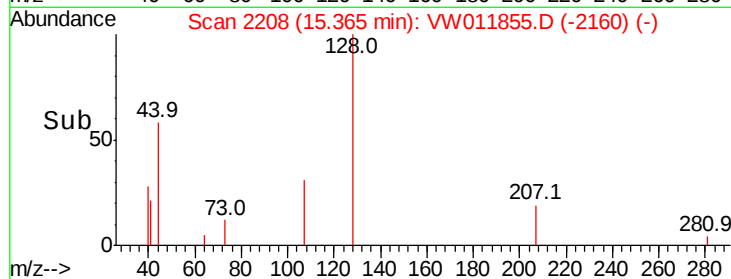
Tot Ion:128 Resp: 195

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#



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

