

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011880.D
 Acq On : 13 Aug 2019 05:03
 Operator : SY/VA
 Sample : K4230-10
 Misc : 6.03G/5ML/MSVOA W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 09:26:11 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	237486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	398506	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	320168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	115920	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	155983	57.20	ug/l	0.00
Spiked Amount			Recovery	=	114.40%	
35) Dibromofluoromethane	7.88	113	122980	55.01	ug/l	0.00
Spiked Amount			Recovery	=	110.02%	
50) Toluene-d8	10.32	98	490587	53.60	ug/l	0.00
Spiked Amount			Recovery	=	107.20%	
62) 4-Bromofluorobenzene	12.62	95	144258	44.20	ug/l	0.00
Spiked Amount			Recovery	=	88.40%	

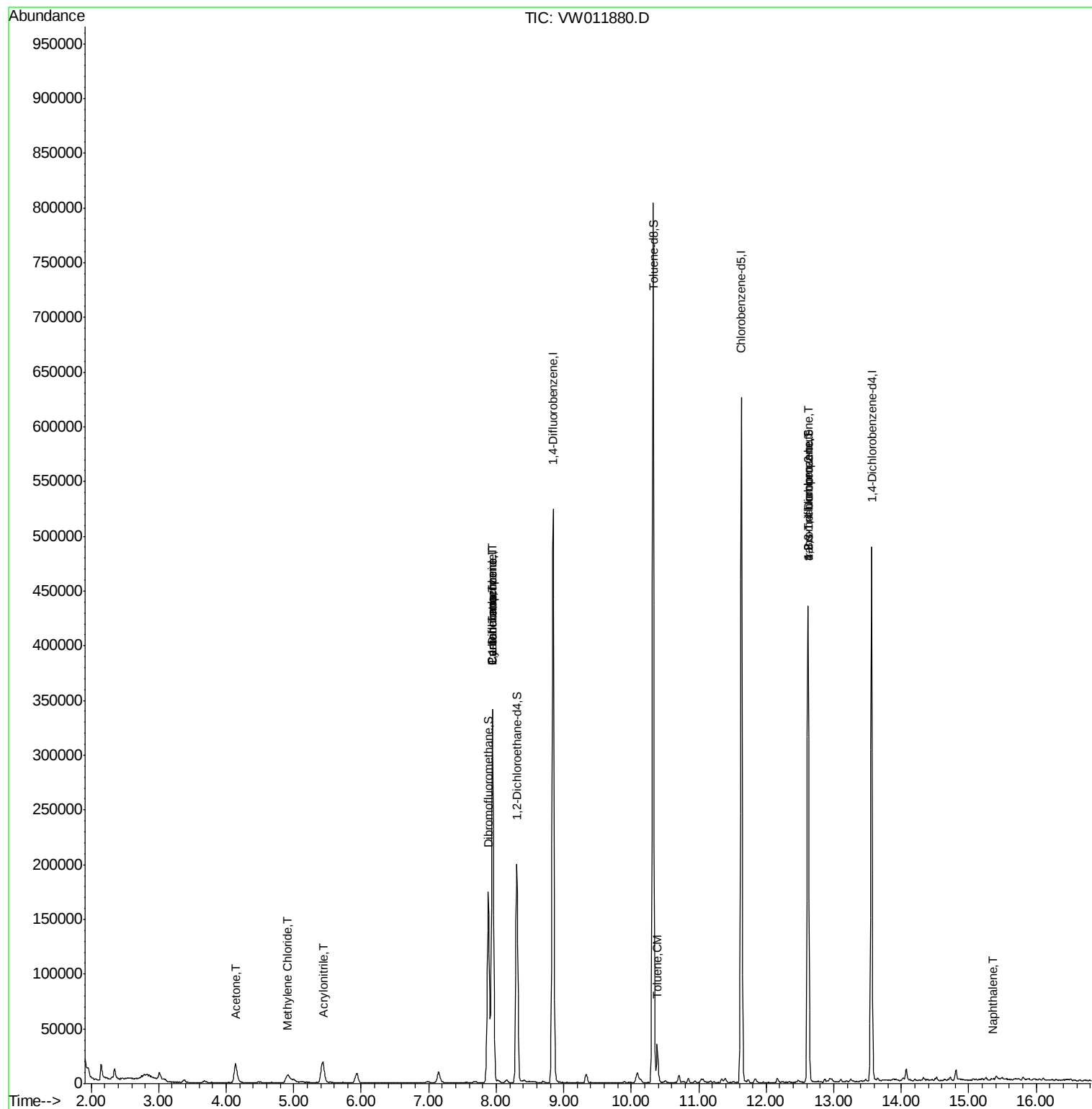
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	154	Below Cal	#	72
15) Acrylonitrile	5.43	53	1051	1.504	ug/l #	31
16) Acetone	4.14	43	36071	41.583	ug/l	94
20) Methylene Chloride	4.90	84	4680	1.564	ug/l #	81
31) Cyclohexane	7.94	56	7655	1.501	ug/l #	14
36) 1,1-Dichloropropene	7.95	75	21371	5.157	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24221	6.828	ug/l #	17
52) Toluene	10.39	92	14367	2.050	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	77206	62.945	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	77206	145.066	ug/l #	6
95) Naphthalene	15.36	128	881	2.251	ug/l #	93

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
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# 991

Delta R.T. -0.00 min

Lab File: VW011880.D

Acq: 13 Aug 2019 05:03

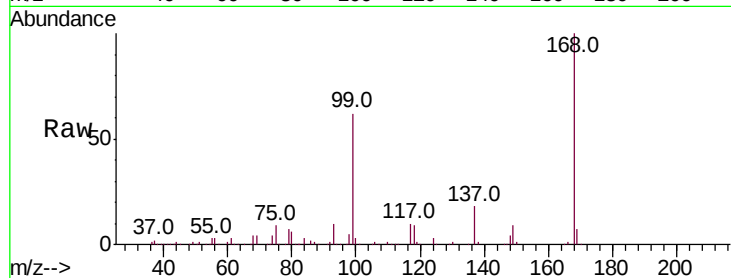
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 237486

Ion Ratio Lower Upper

168 100

99 61.7 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

120000

100000

80000

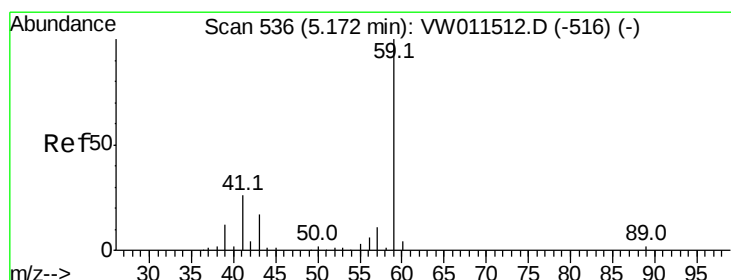
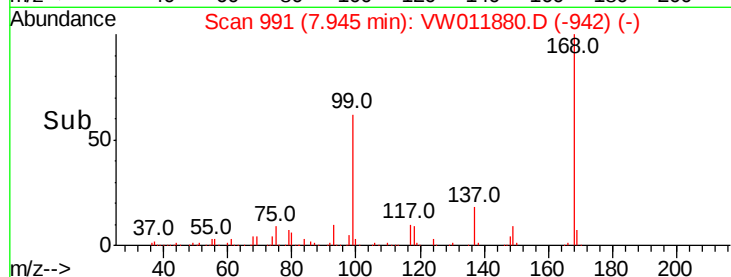
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW011880.D

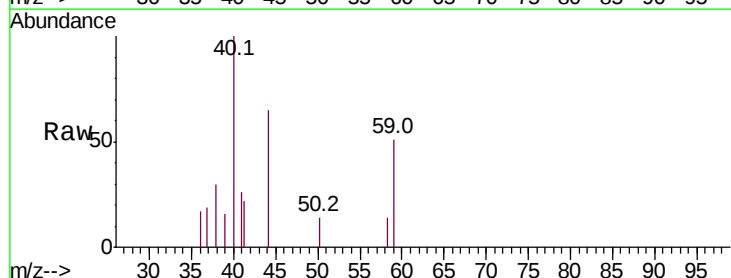
Acq: 13 Aug 2019 05:03

Tgt Ion: 59 Resp: 154

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

250

200

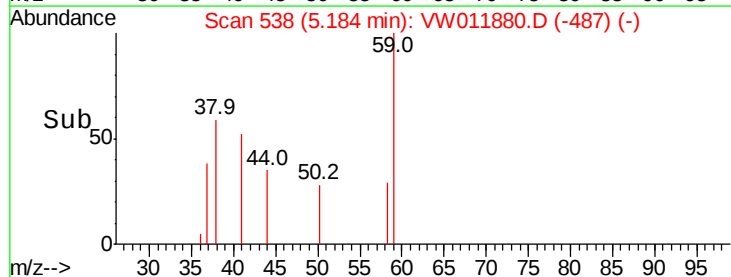
150

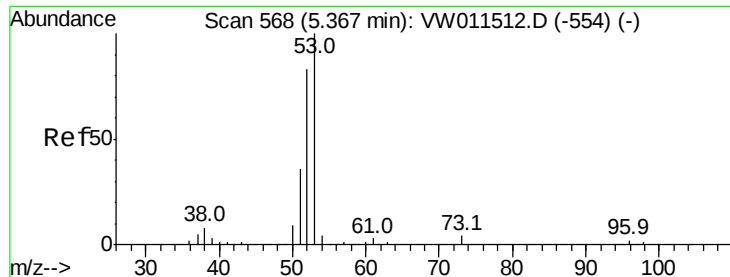
100

50

0

Time--> 5.17 5.18 5.19





#15

Acrylonitrile

Concen: 1.504 ug/l

RT: 5.43 min Scan# 578

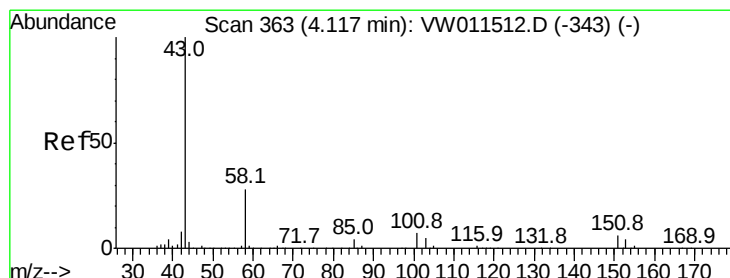
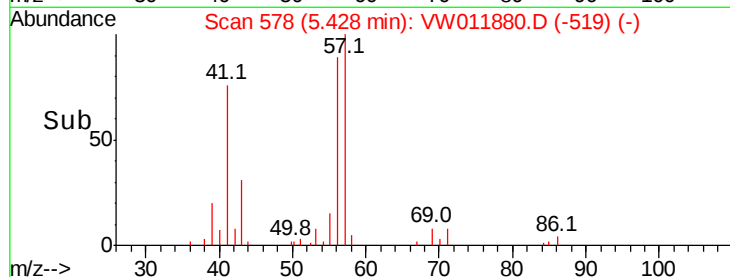
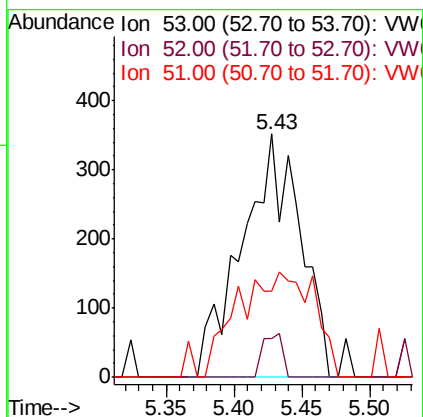
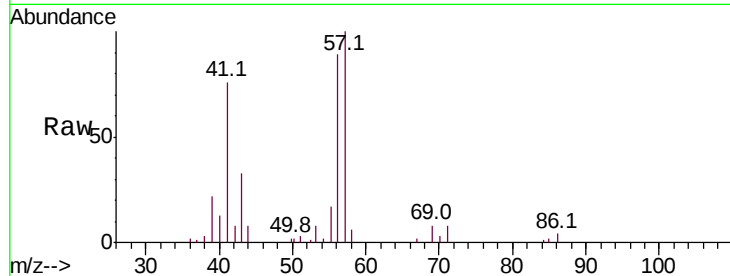
Delta R.T. 0.06 min

Lab File: VW011880.D

Acq: 13 Aug 2019 05:03

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	53	Resp:	1051
Ion	Ratio	Lower	Upper
53	100		
52	6.1	67.2	100.8#
51	56.7	30.0	45.0#



#16

Acetone

Concen: 41.583 ug/l

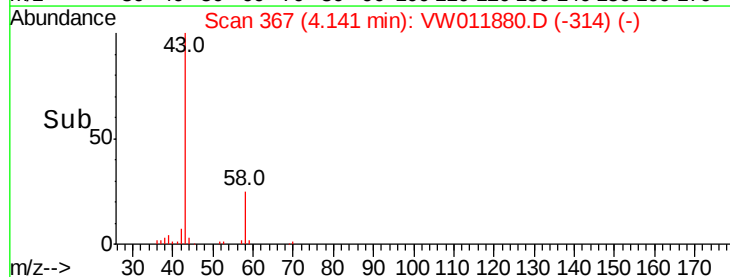
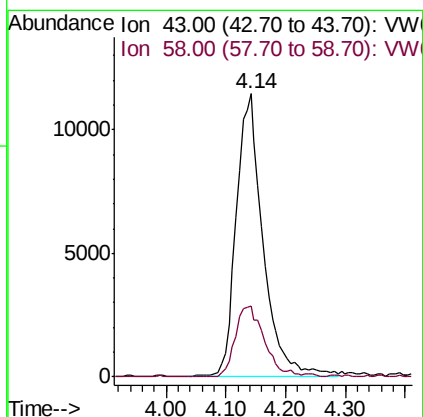
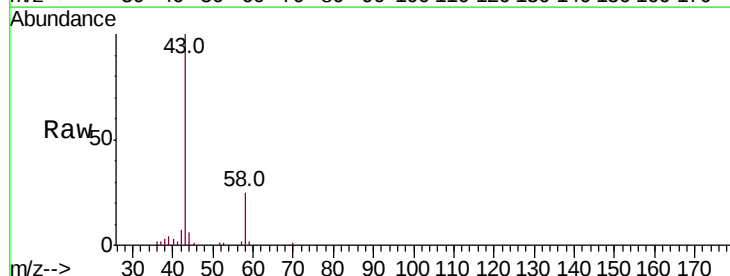
RT: 4.14 min Scan# 367

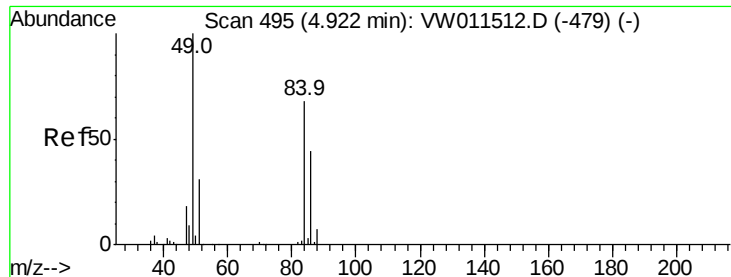
Delta R.T. 0.02 min

Lab File: VW011880.D

Acq: 13 Aug 2019 05:03

Tgt Ion:	43	Resp:	36071
Ion	Ratio	Lower	Upper
43	100		
58	24.9	22.3	33.5

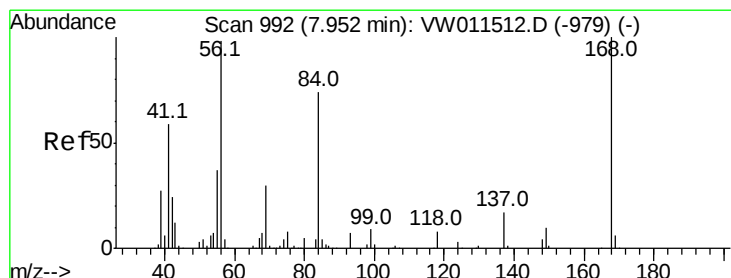
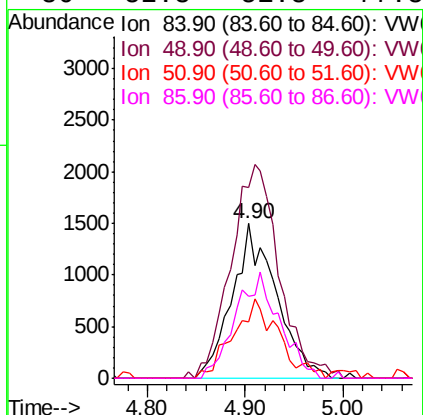
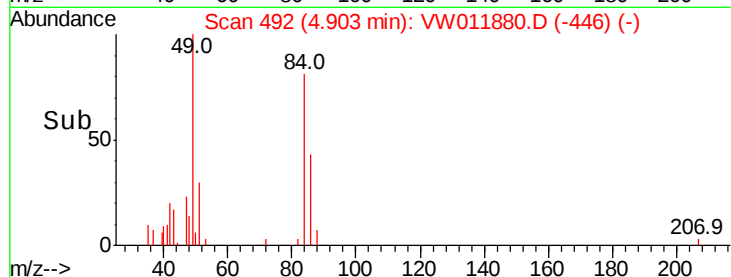
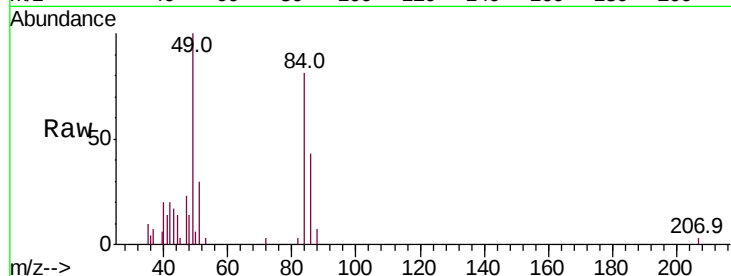




#20
Methylene Chloride
Concen: 1.564 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW011880.D
Acq: 13 Aug 2019 05:03

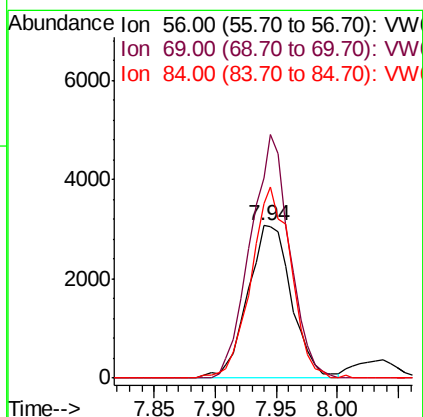
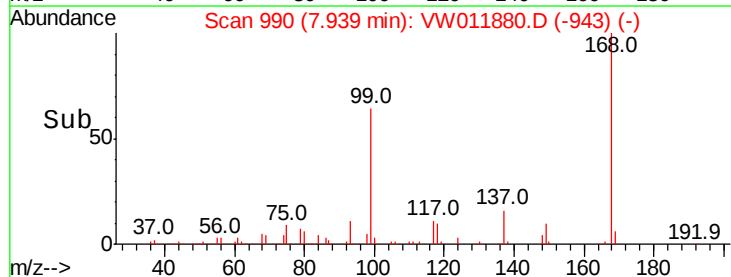
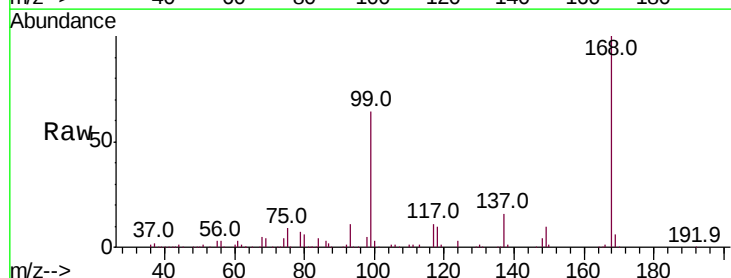
Instrument :
MSVOA_W
ClientSampled :

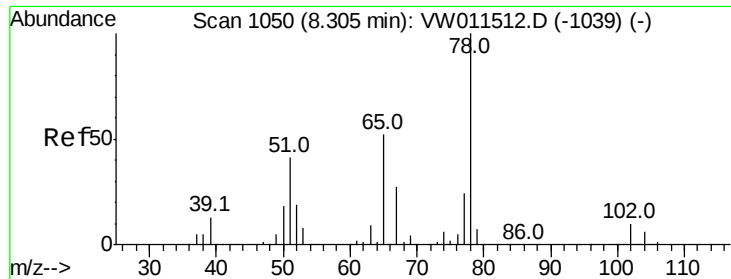
Tot Ion: 84 Resp: 4680
Ion Ratio Lower Upper
84 100
49 119.7 117.8 176.6
51 36.5 37.0 55.4#
86 52.8 51.8 77.8



#31
Cyclohexane
Concen: 1.501 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011880.D
Acq: 13 Aug 2019 05:03

Tgt Ion: 56 Resp: 7655
Ion Ratio Lower Upper
56 100
69 131.3 24.3 36.5#
84 114.9 60.4 90.6#

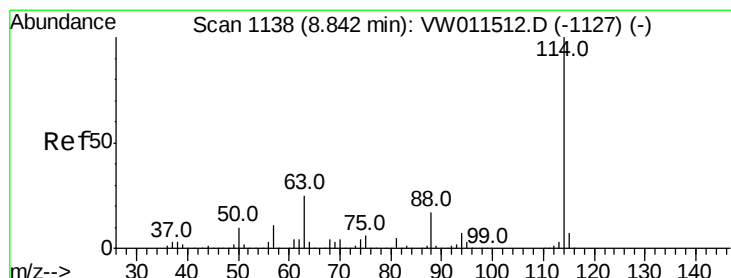
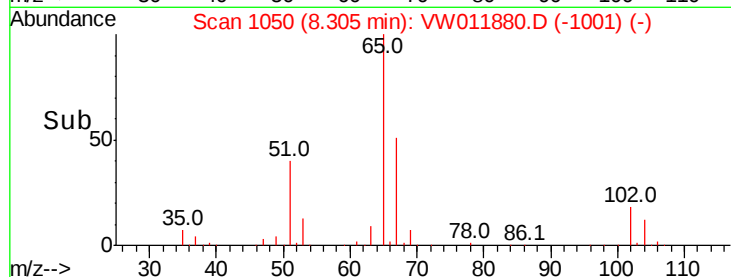
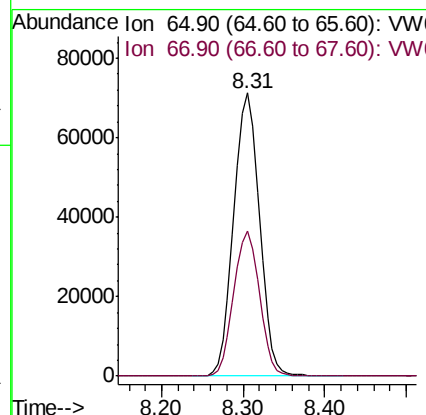
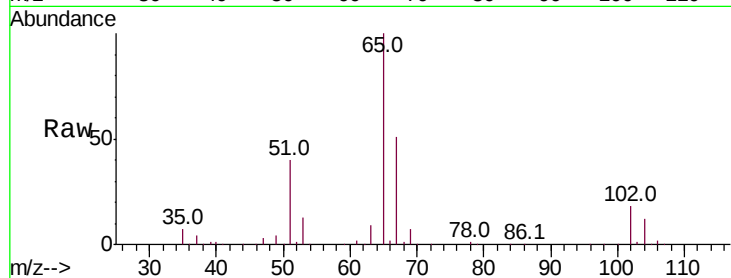




#33
 1,2-Dichloroethane-d4
 Concen: 57.199 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011880.D
 Acq: 13 Aug 2019 05:03

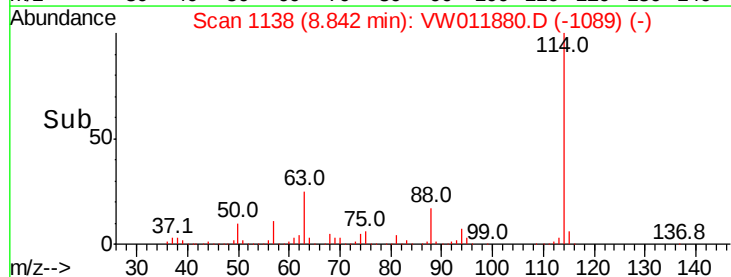
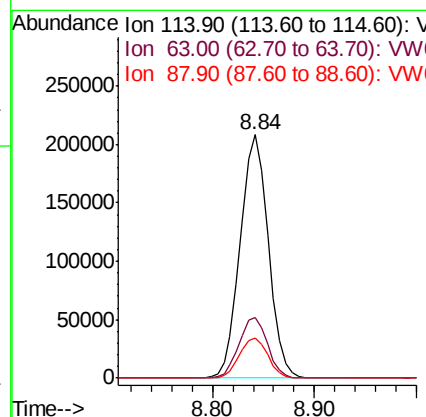
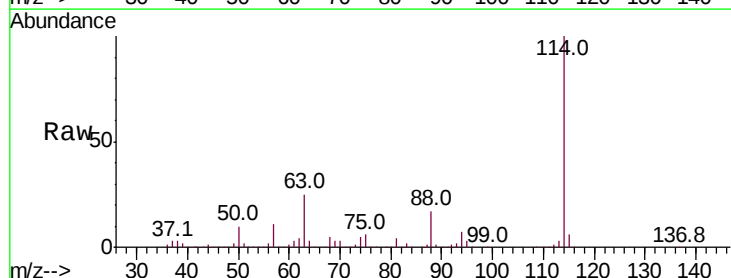
Instrument :
 MSVOA_W
 ClientSampled :

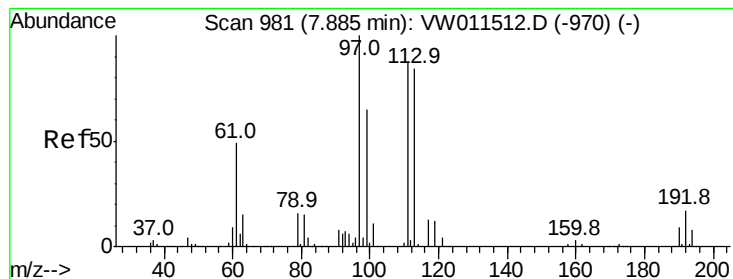
Tot Ion: 65 Resp: 155983
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011880.D
 Acq: 13 Aug 2019 05:03

Tgt Ion: 114 Resp: 398506
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.2
 88 16.7 0.0 33.8





#35

Dibromofluoromethane

Concen: 55.008 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011880.D

Acq: 13 Aug 2019 05:03

Instrument :
MSVOA_W
ClientSampleId :

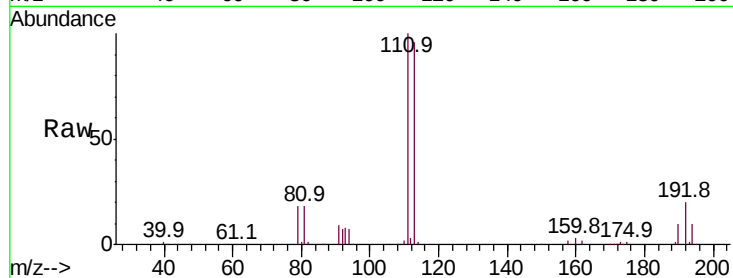
Tot Ion:113 Resp: 122980

Ion Ratio Lower Upper

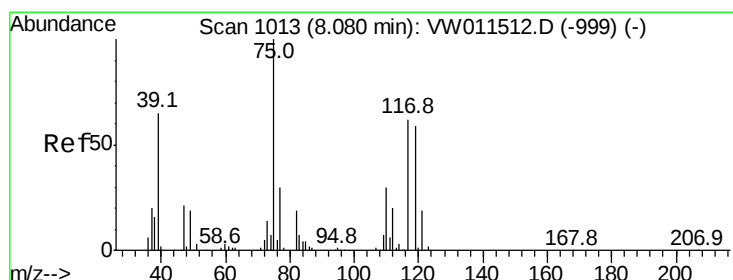
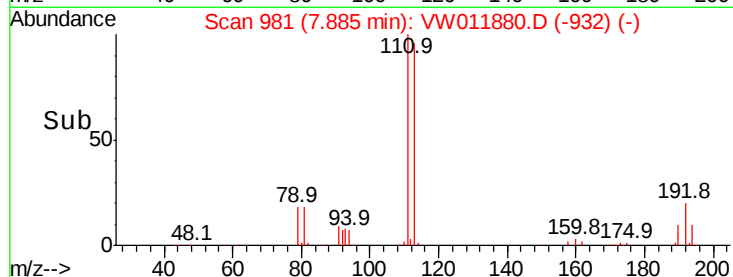
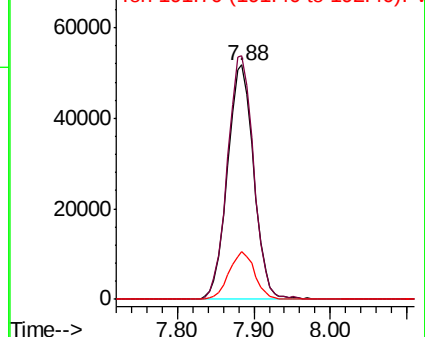
113 100

111 103.7 82.7 124.1

192 19.7 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: 5.157 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011880.D

Acq: 13 Aug 2019 05:03

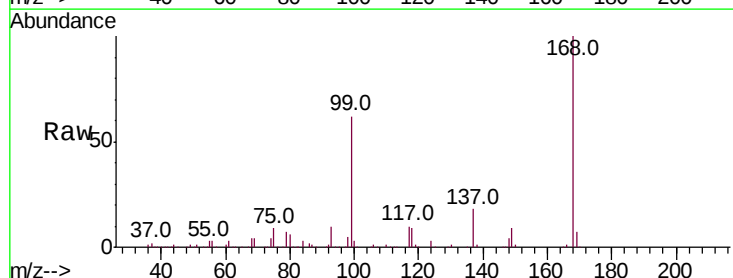
Tgt Ion: 75 Resp: 21371

Ion Ratio Lower Upper

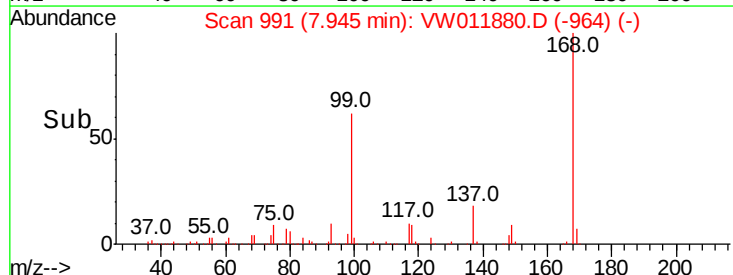
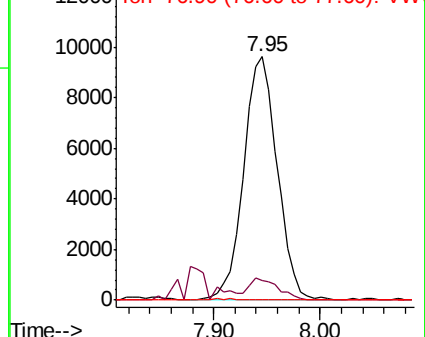
75 100

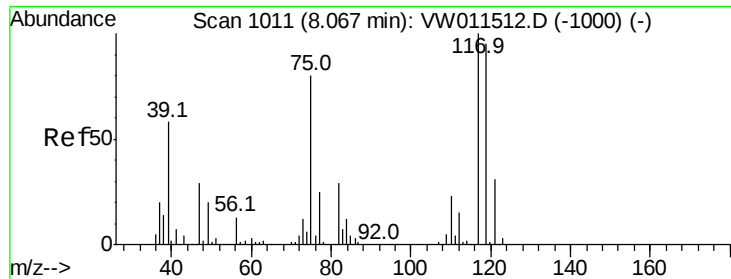
110 7.5 15.6 46.8#

77 0.0 24.3 36.5#



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

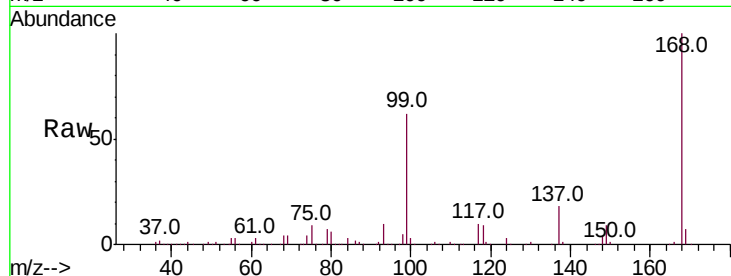




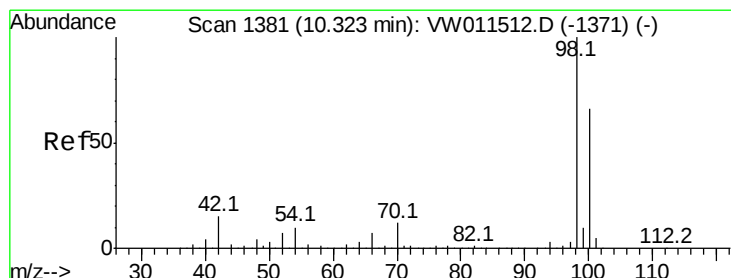
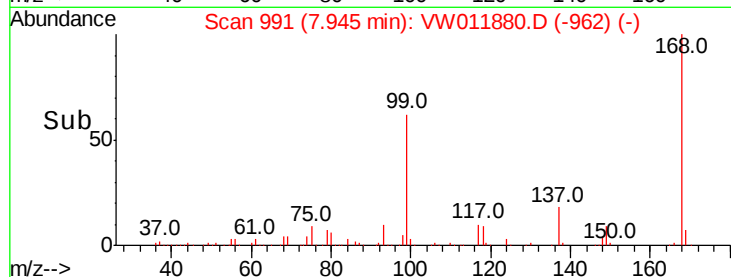
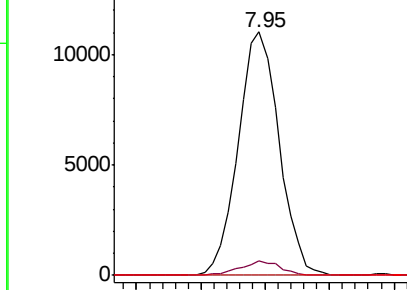
#38
Carbon Tetrachloride
Concen: 6.828 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011880.D
Acq: 13 Aug 2019 05:03

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 24221
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.6#
121 0.0 24.7 37.1#

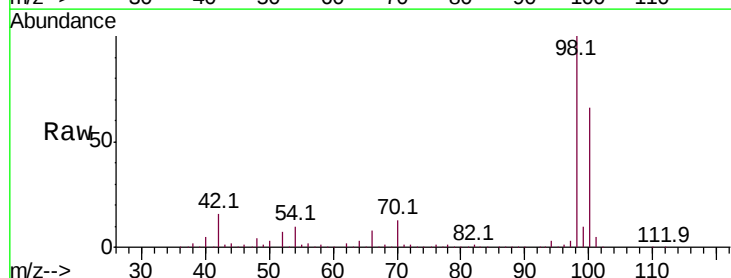


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

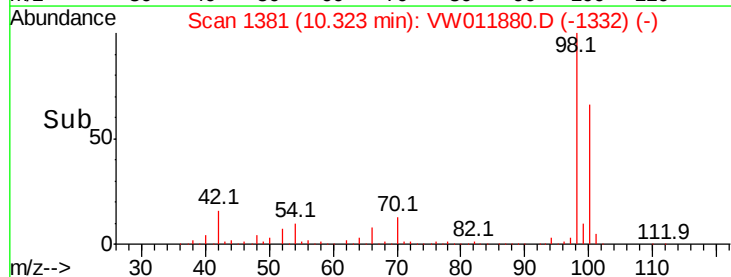
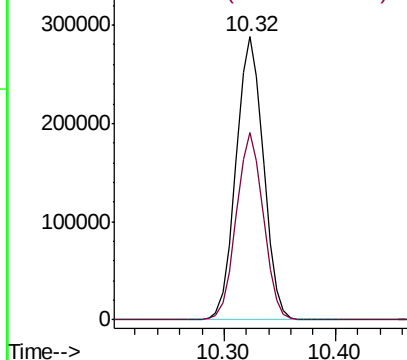


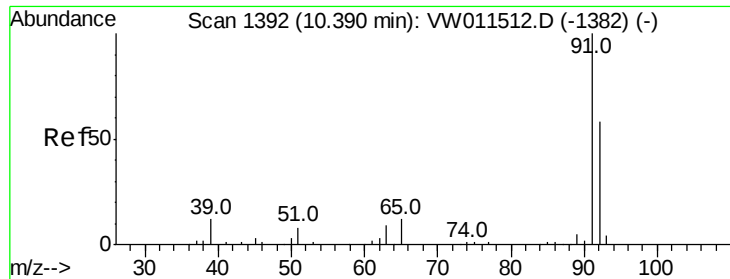
#50
Toluene-d8
Concen: 53.595 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011880.D
Acq: 13 Aug 2019 05:03

Tgt Ion: 98 Resp: 490587
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 2.050 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011880.D

Acq: 13 Aug 2019 05:03

Instrument :

MSVOA_W

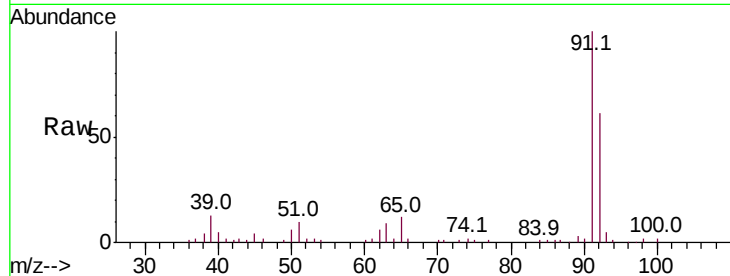
ClientSampleId :

Tot Ion: 92 Resp: 14367

Ion Ratio Lower Upper

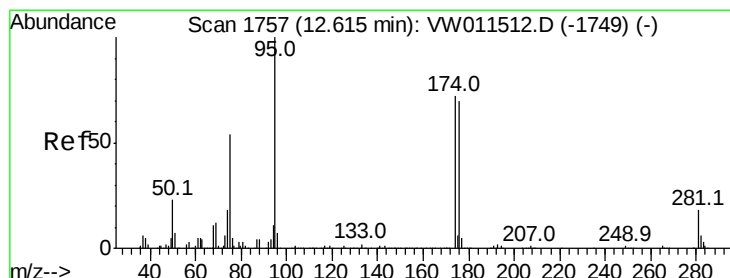
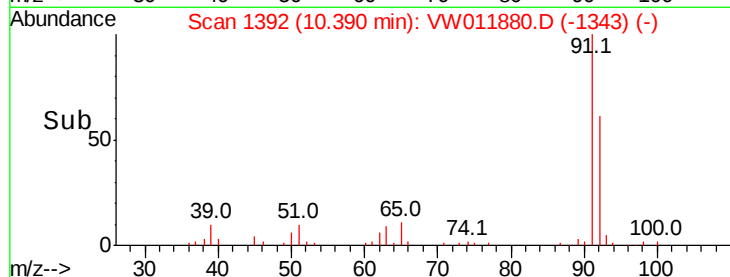
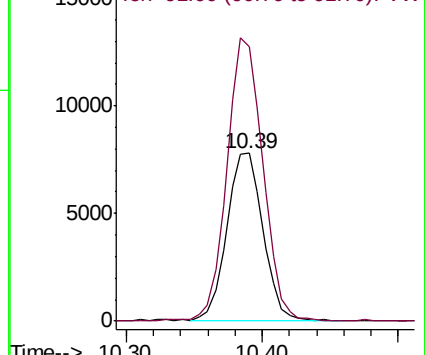
92 100

91 168.5 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 44.204 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011880.D

Acq: 13 Aug 2019 05:03

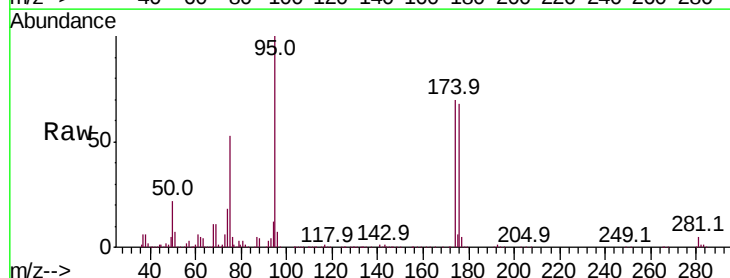
Tgt Ion: 95 Resp: 144258

Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.2

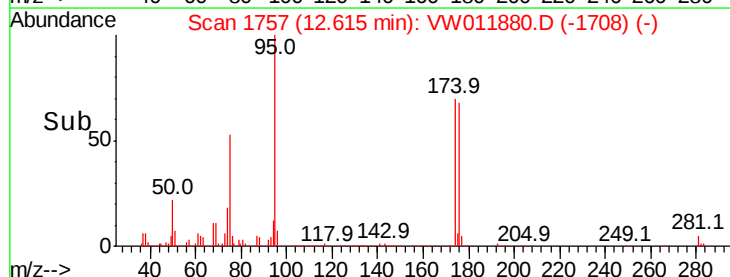
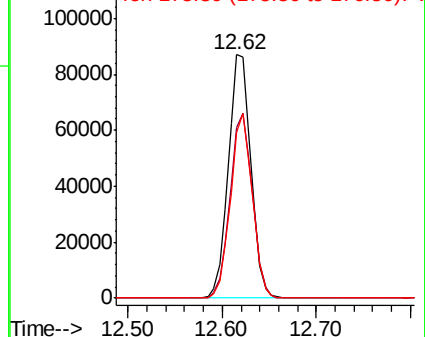
176 73.2 0.0 144.4

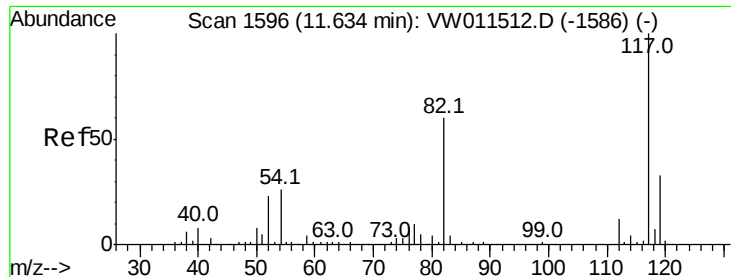


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

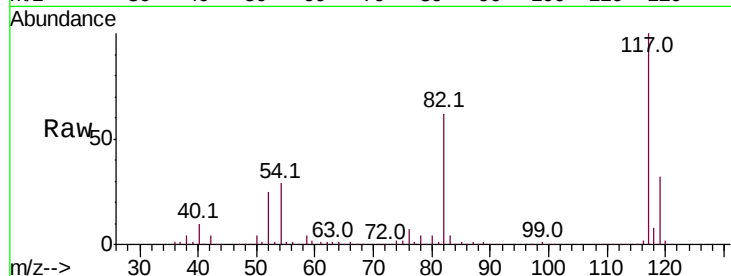




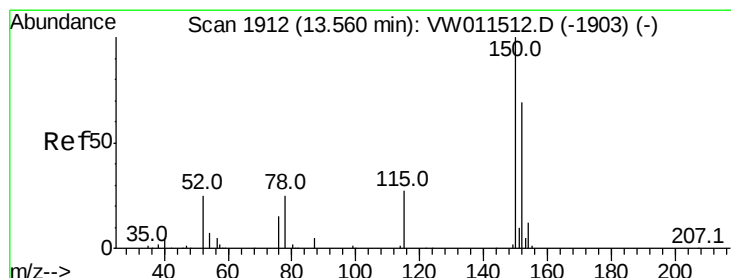
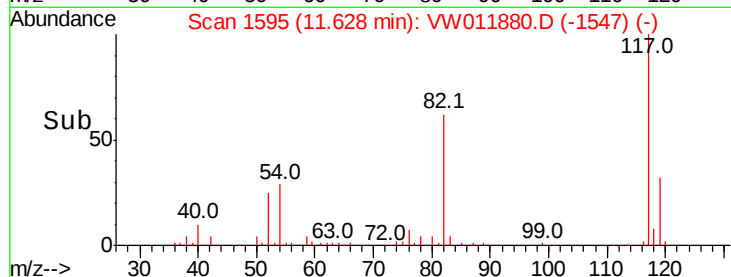
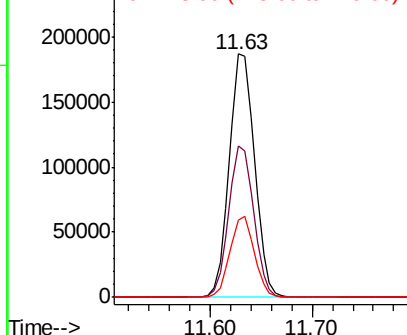
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011880.D
Acq: 13 Aug 2019 05:03

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 320168
Ion Ratio Lower Upper
117 100
82 62.4 47.9 71.9
119 31.7 26.2 39.2

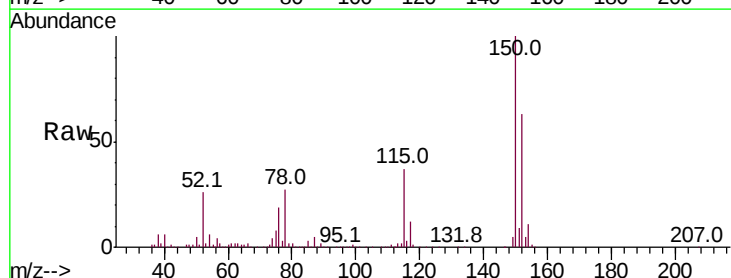


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

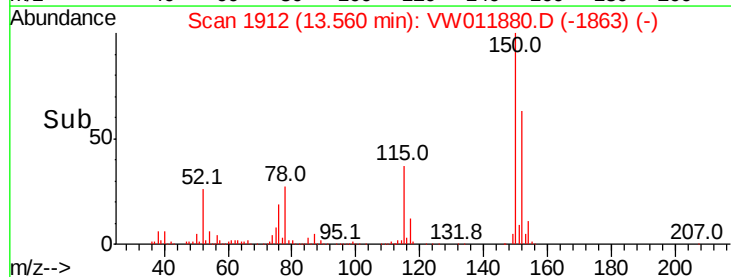
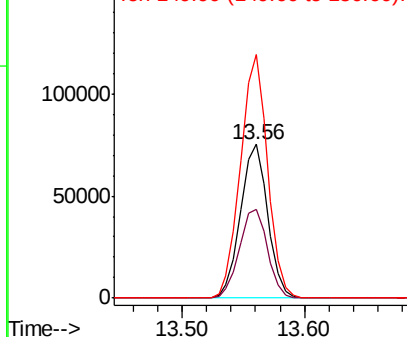


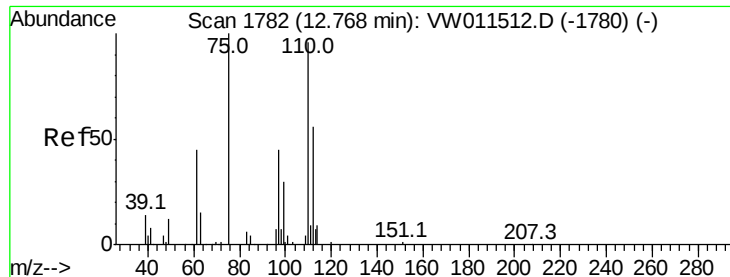
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011880.D
Acq: 13 Aug 2019 05:03

Tgt Ion:152 Resp: 115920
Ion Ratio Lower Upper
152 100
115 60.0 30.5 91.5
150 157.8 0.0 352.6



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: 62.945 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011880.D

Acq: 13 Aug 2019 05:03

Instrument :

MSVOA_W

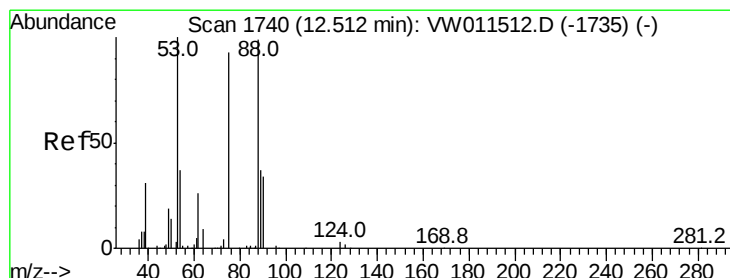
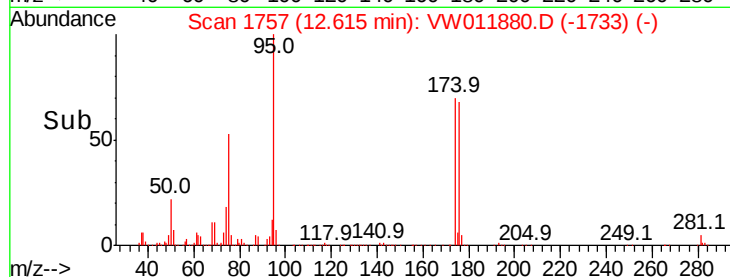
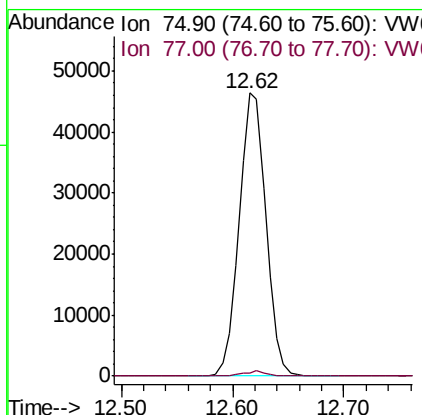
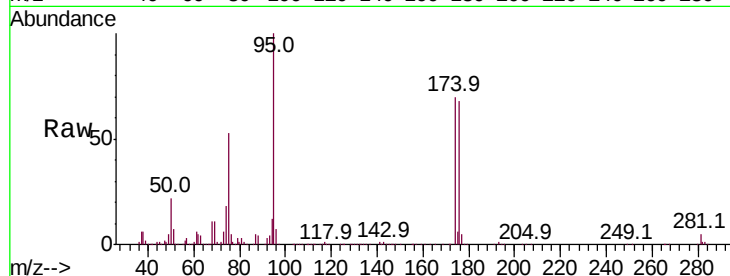
ClientSampled :

Tot Ion: 75 Resp: 77206

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 145.066 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011880.D

Acq: 13 Aug 2019 05:03

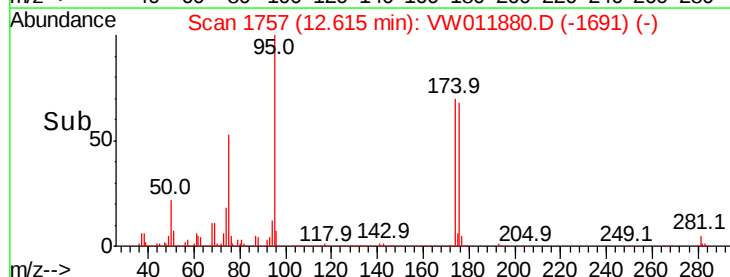
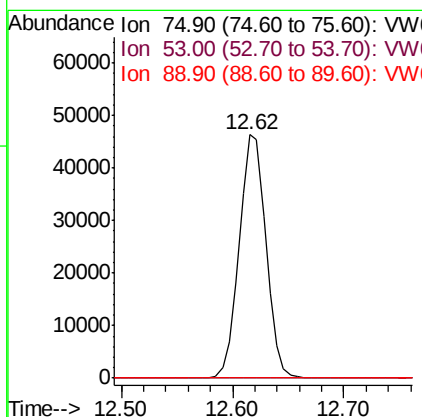
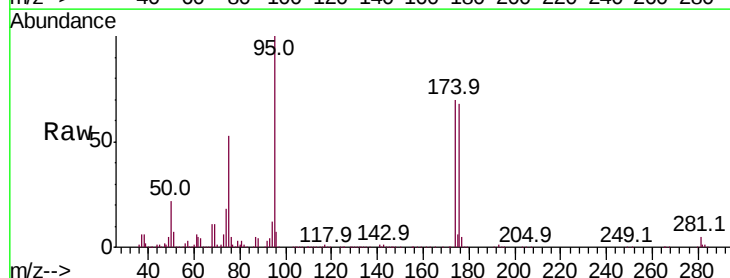
Tgt Ion: 75 Resp: 77206

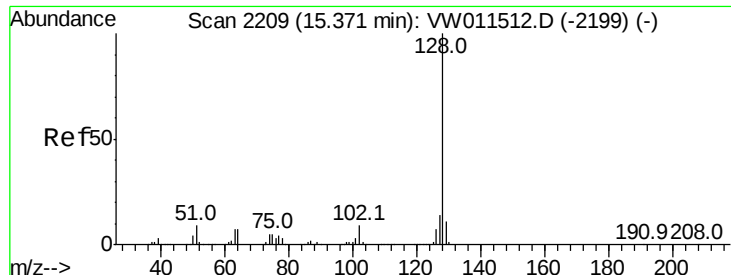
Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

89 0.0 35.3 52.9#

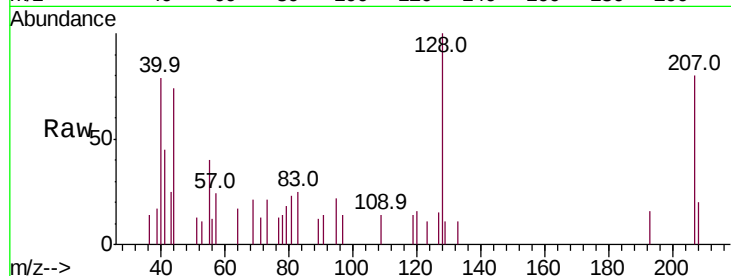




#95
 Naphthalene
 Concen: 2.251 ug/l
 RT: 15.36 min Scan# 2207
 Delta R.T. -0.01 min
 Lab File: VW011880.D
 Acq: 13 Aug 2019 05:03

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:128 Resp: 881
 Ion Ratio Lower Upper
 128 100
 127 15.3 10.6 16.0
 129 6.9 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

