

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083119\
 Data File : VW012389.D
 Acq On : 31 Aug 2019 10:16
 Operator : SY/VA
 Sample : VW0831SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 31 17:15:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	216740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	359466	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	304587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	126527	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	138330	53.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.38%	
35) Dibromofluoromethane	7.88	113	111384	51.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.82%	
50) Toluene-d8	10.32	98	443204	50.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.62	95	143904	46.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.84%	

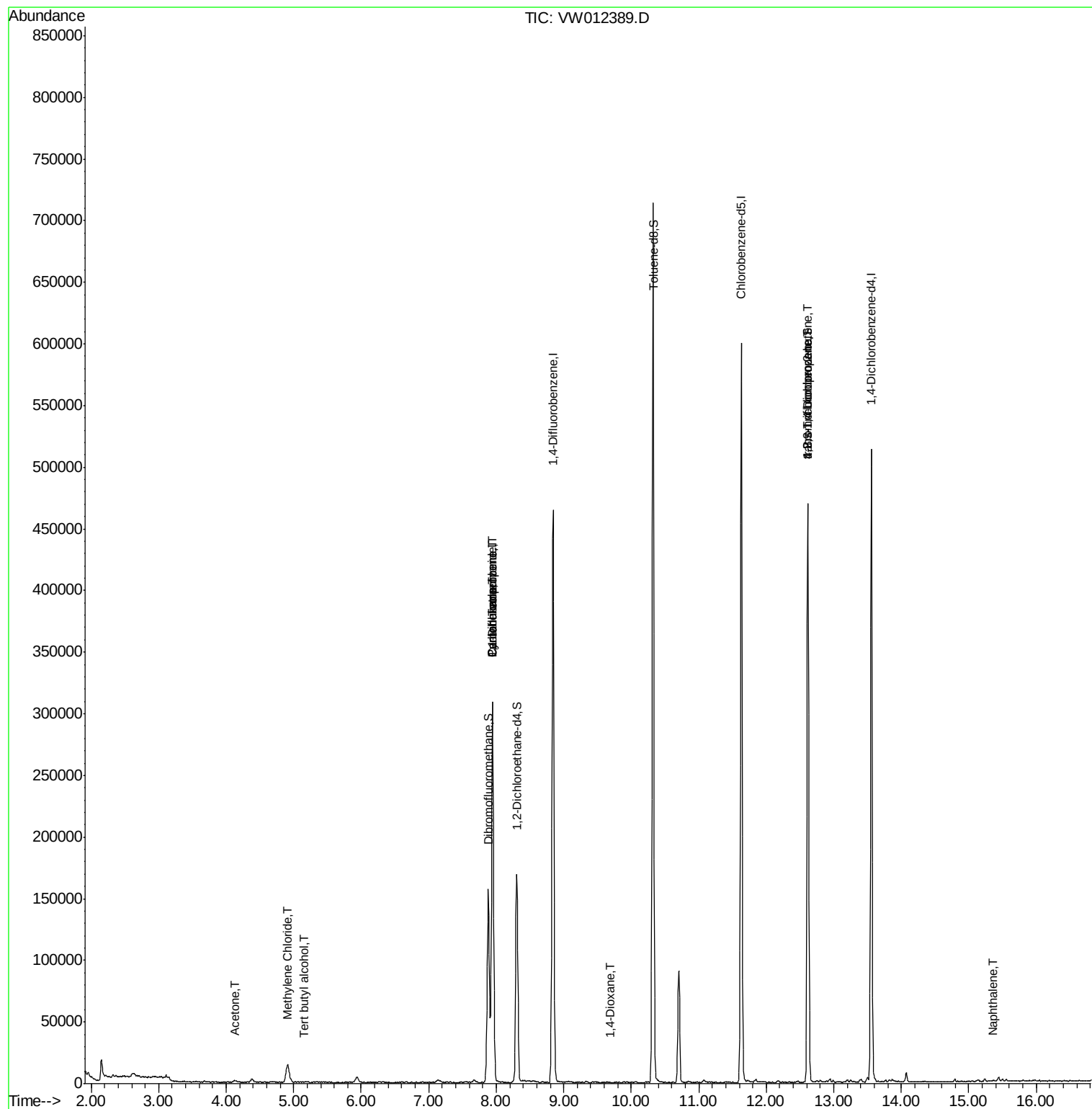
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	357	2.302	ug/l #	74
16) Acetone	4.13	43	3289	4.994	ug/l #	88
20) Methylene Chloride	4.90	84	10759	4.321	ug/l	90
31) Cyclohexane	7.94	56	5813	1.253	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	19088	5.139	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21806	6.782	ug/l #	16
49) 1,4-Dioxane	9.68	88	26	1.398	ug/l #	3
76) 1,2,3-Trichloropropane	12.62	75	78194	63.455	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	78194	139.127	ug/l #	6
95) Naphthalene	15.36	128	840	4.482	ug/l #	89

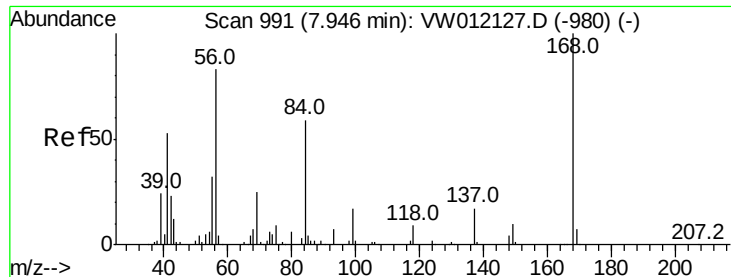
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_W
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Quant Time: Aug 31 17:15:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 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: VW012389.D

Acq: 31 Aug 2019 10:16

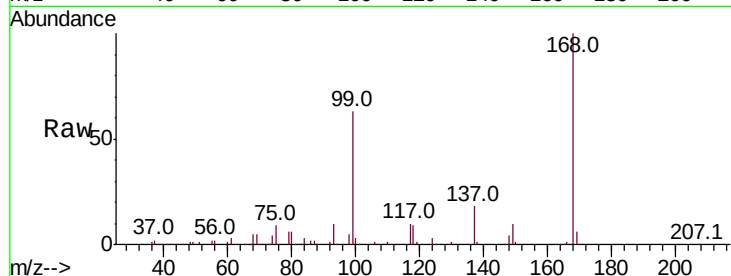
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 216740

Ion Ratio Lower Upper

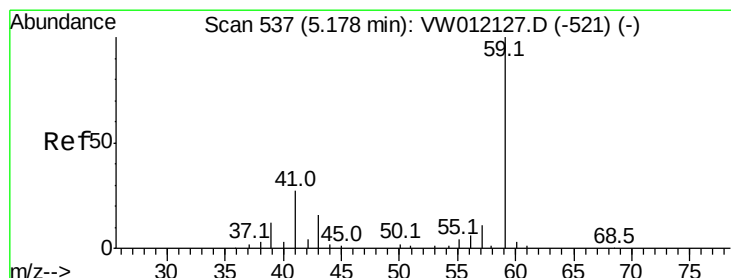
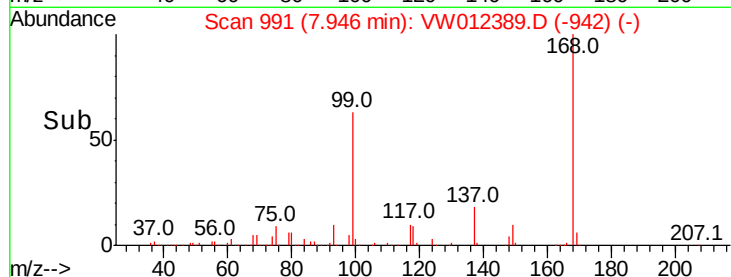
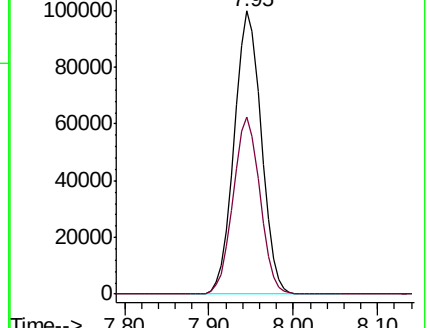
168 100

99 62.8 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.302 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.02 min

Lab File: VW012389.D

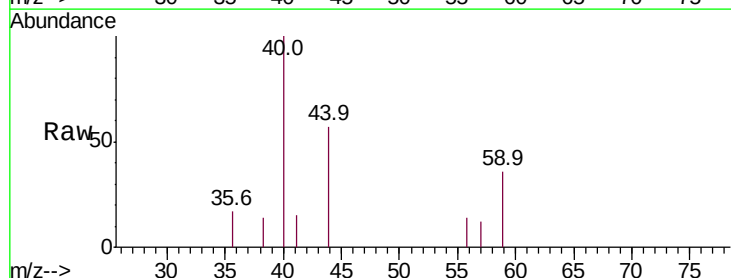
Acq: 31 Aug 2019 10:16

Tgt Ion: 59 Resp: 357

Ion Ratio Lower Upper

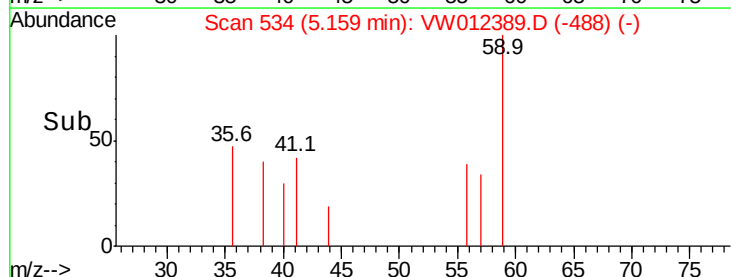
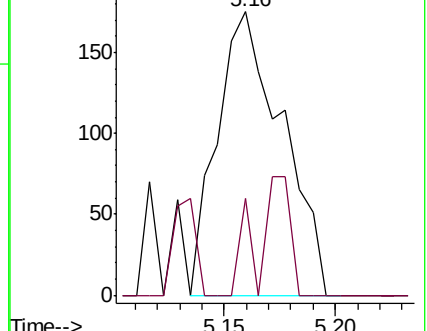
59 100

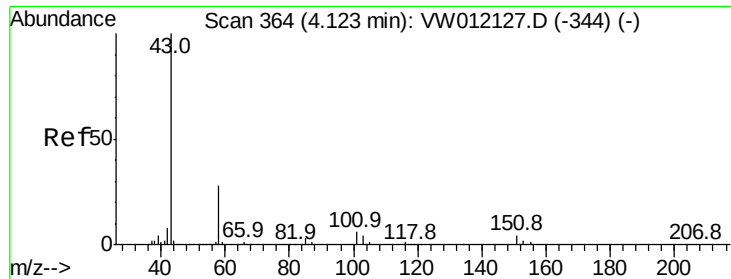
57 21.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

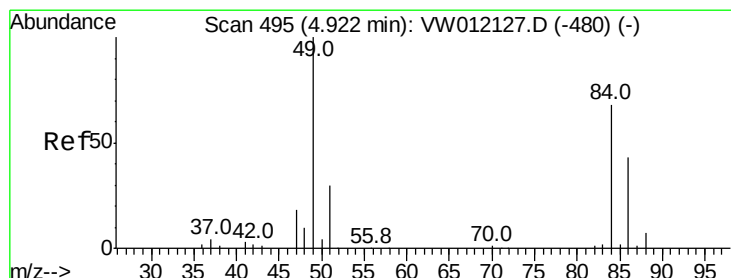
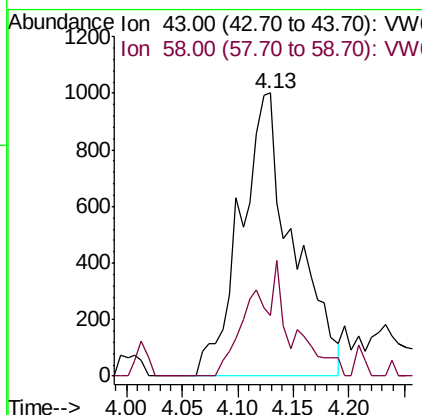
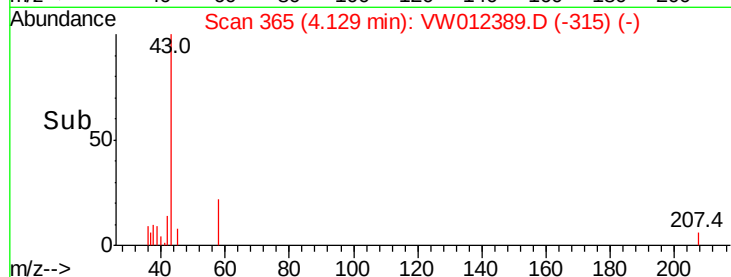
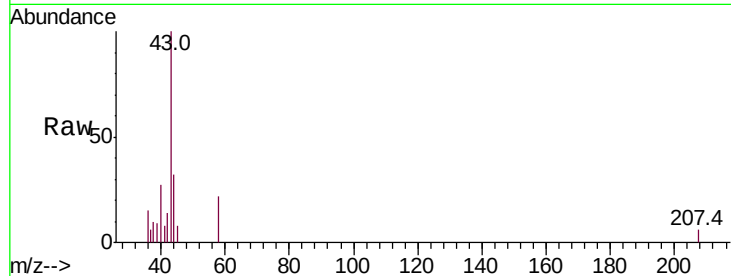




#16
Acetone
Concen: 4.994 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW012389.D
Acq: 31 Aug 2019 10:16

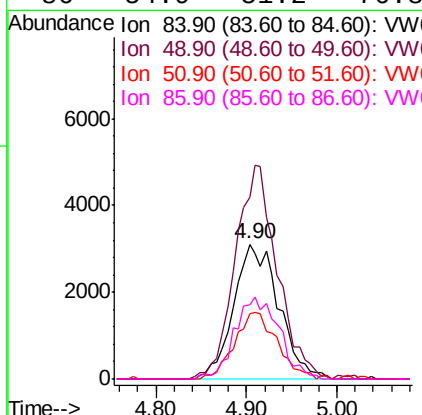
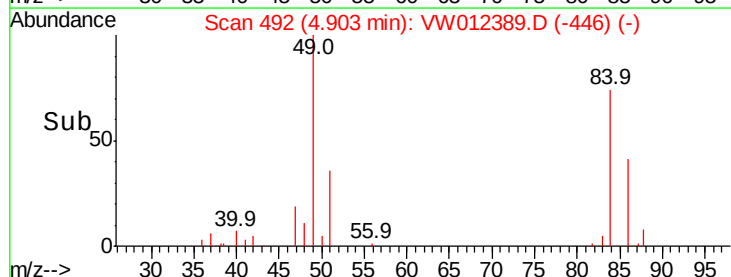
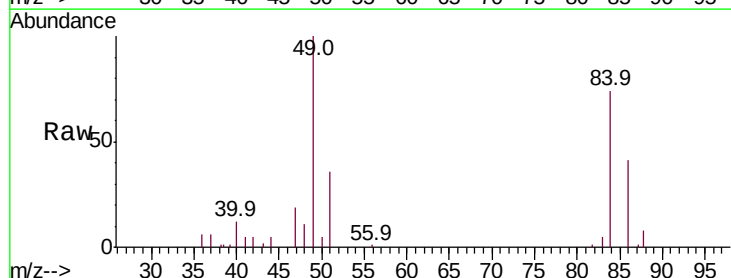
Instrument :
MSVOA_W
ClientSampled :

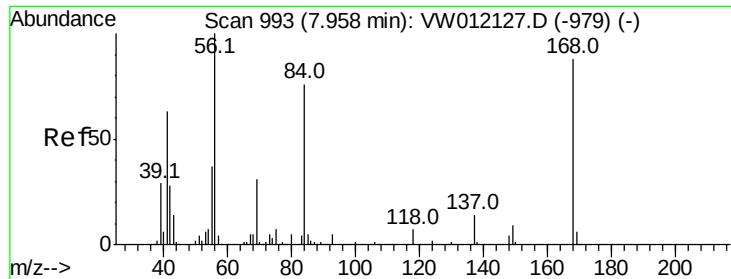
Tot Ion: 43 Resp: 3289
Ion Ratio Lower Upper
43 100
58 21.6 22.4 33.6#



#20
Methylene Chloride
Concen: 4.321 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012389.D
Acq: 31 Aug 2019 10:16

Tgt Ion: 84 Resp: 10759
Ion Ratio Lower Upper
84 100
49 134.6 117.8 176.8
51 48.0 35.6 53.4
86 54.9 51.2 76.8

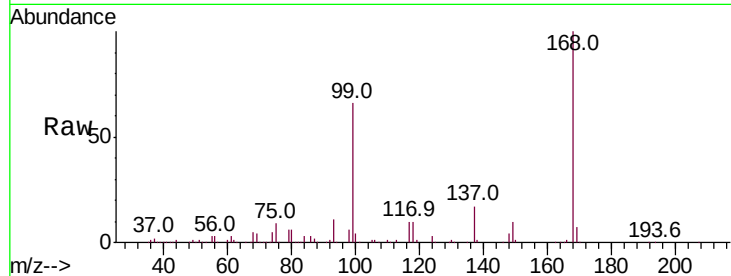




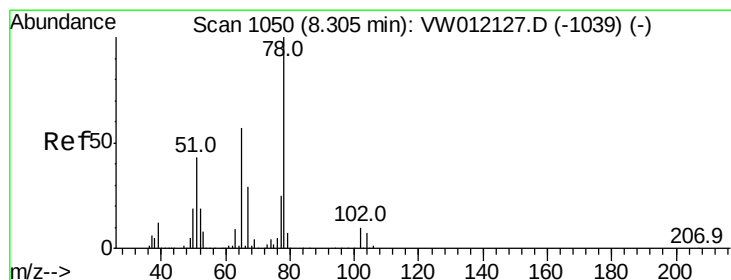
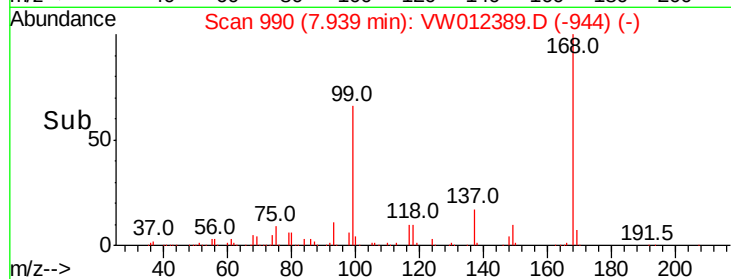
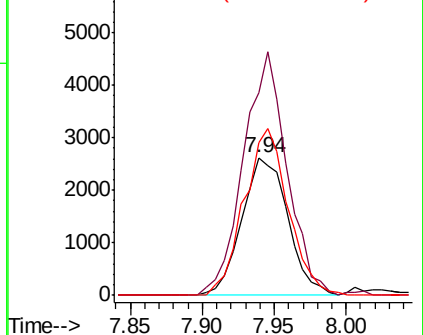
#31
Cyclohexane
Concen: 1.253 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW012389.D
Acq: 31 Aug 2019 10:16

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 5813
Ion Ratio Lower Upper
56 100
69 147.4 24.9 37.3#
84 110.9 60.6 90.8#

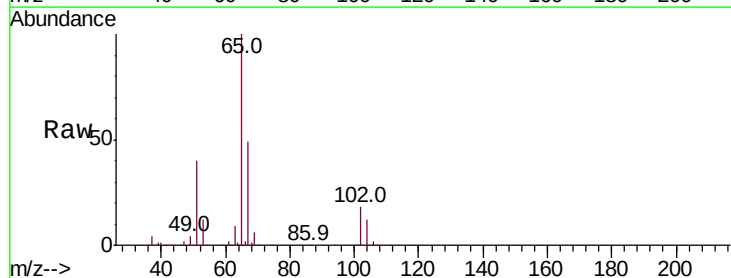


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

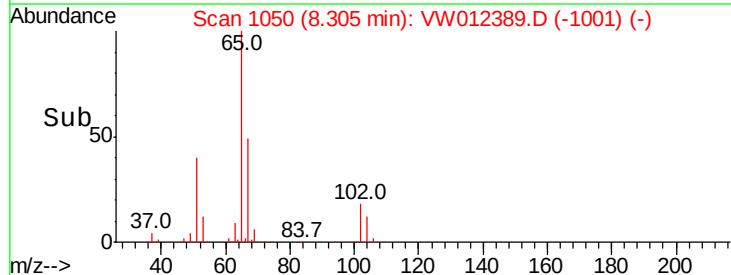
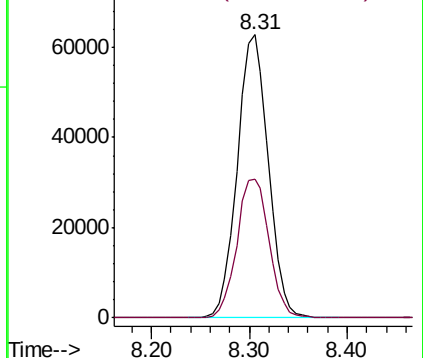


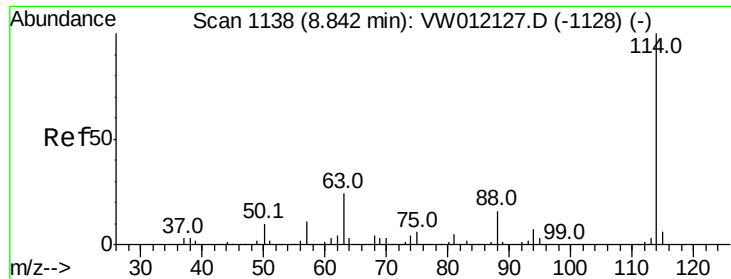
#33
1,2-Dichloroethane-d4
Concen: 53.689 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012389.D
Acq: 31 Aug 2019 10:16

Tgt Ion: 65 Resp: 138330
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

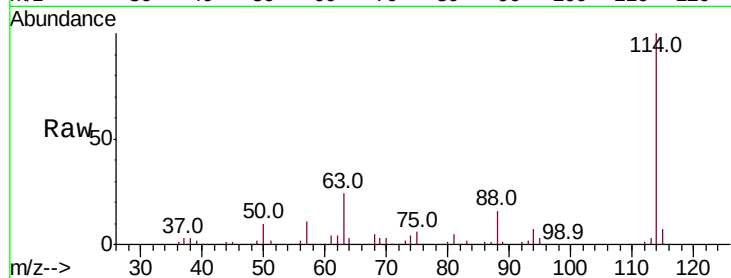




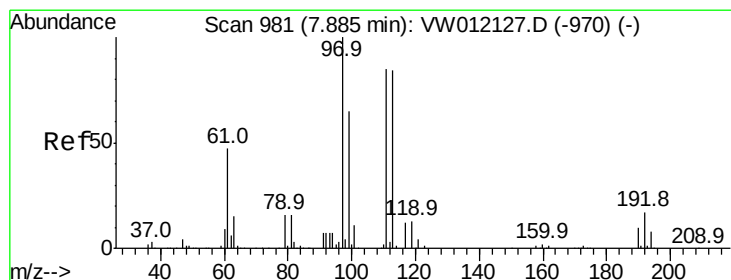
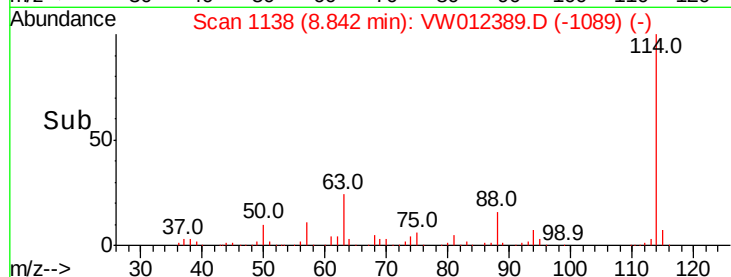
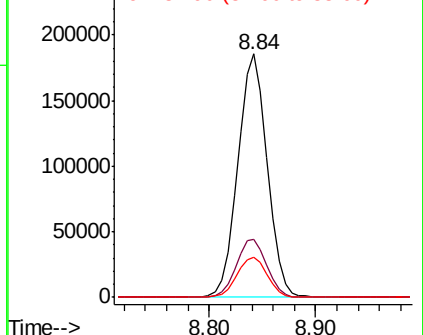
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012389.D
 Acq: 31 Aug 2019 10:16

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	48.6
88	16.5	0.0	32.2

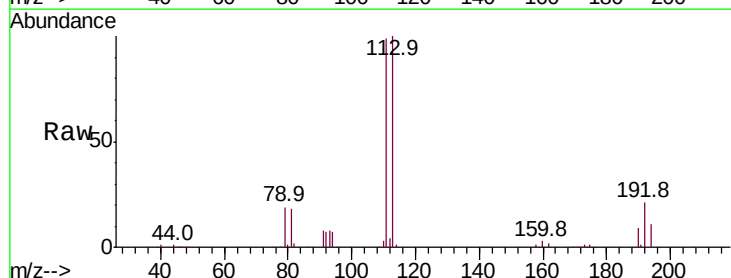


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

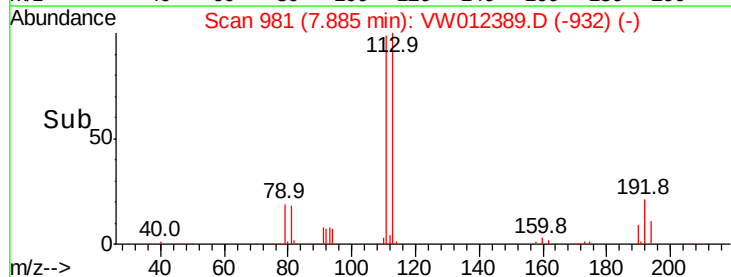
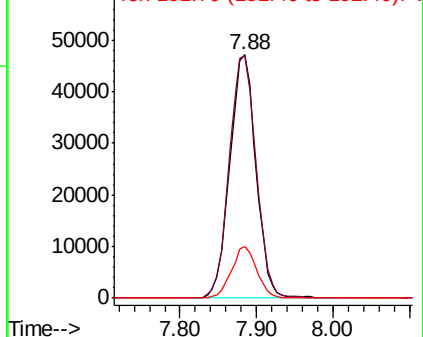


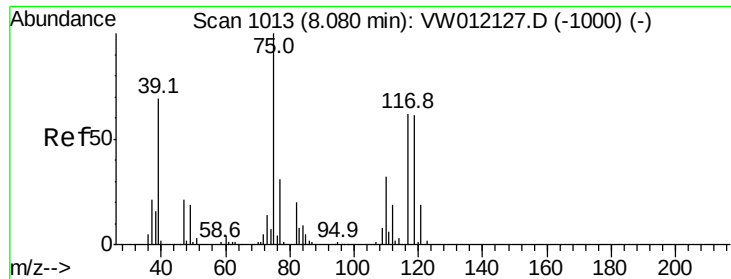
#35
 Dibromofluoromethane
 Concen: 51.911 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012389.D
 Acq: 31 Aug 2019 10:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.7	124.1
192	20.4	16.2	24.2



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: 5.139 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012389.D

Acq: 31 Aug 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

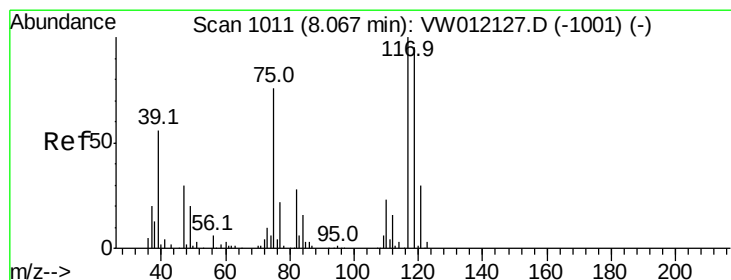
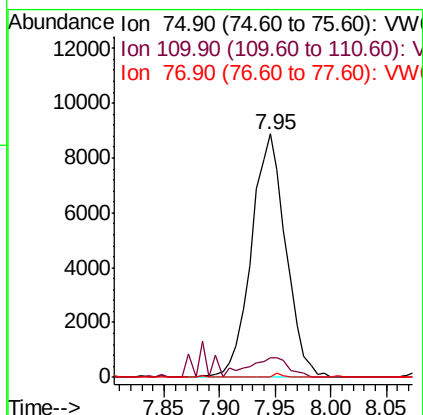
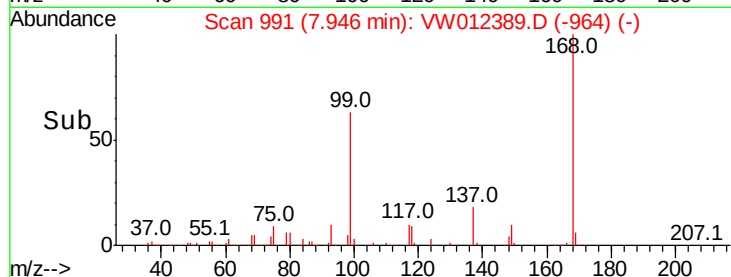
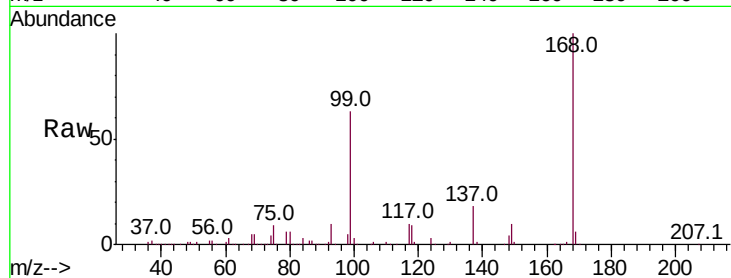
Tot Ion: 75 Resp: 19088

Ion Ratio Lower Upper

75 100

110 8.5 15.6 46.8#

77 0.4 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.782 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012389.D

Acq: 31 Aug 2019 10:16

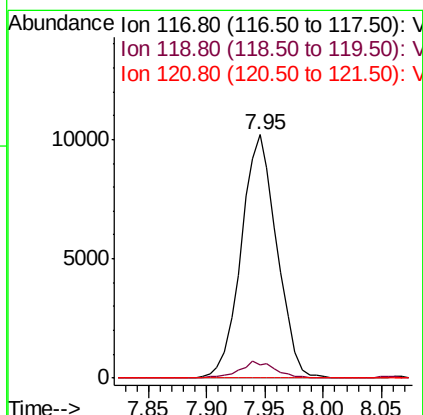
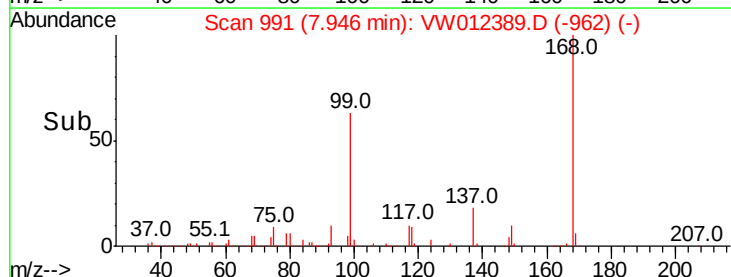
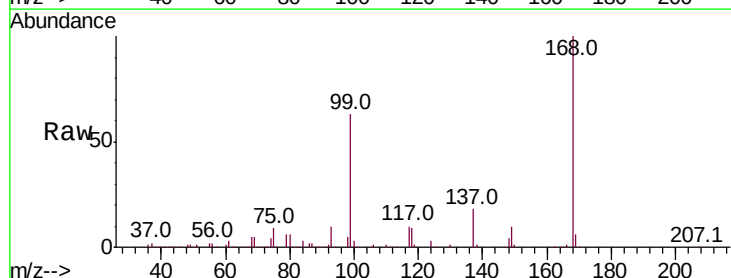
Tgt Ion: 117 Resp: 21806

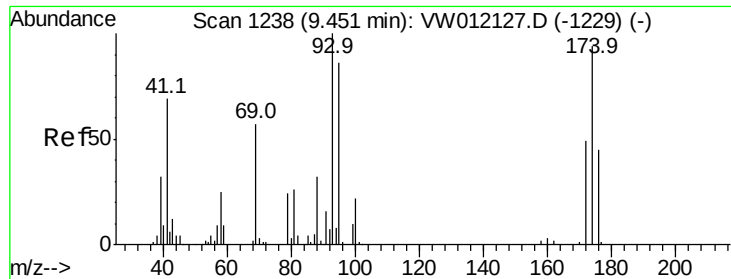
Ion Ratio Lower Upper

117 100

119 5.2 76.2 114.2#

121 0.0 23.8 35.8#





#49

1,4-Dioxane

Concen: 1.398 ug/l

RT: 9.68 min Scan# 1276

Delta R.T. 0.23 min

Lab File: VW012389.D

Acq: 31 Aug 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :

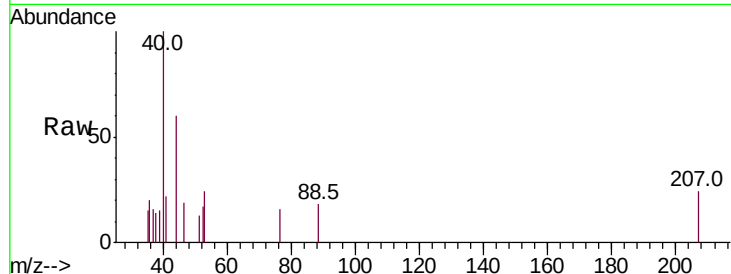
Tot Ion: 88 Resp: 26

Ion Ratio Lower Upper

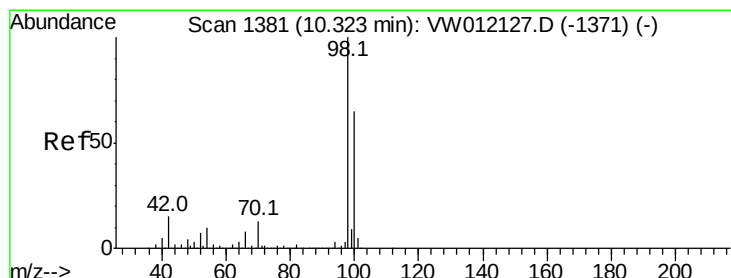
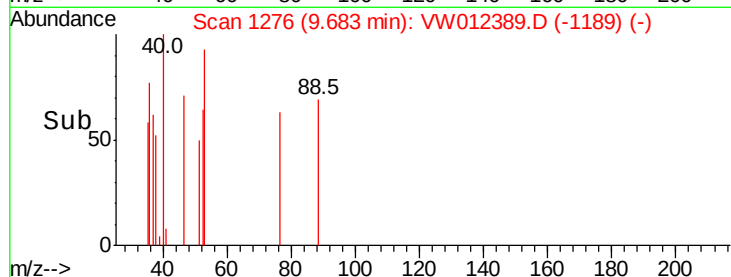
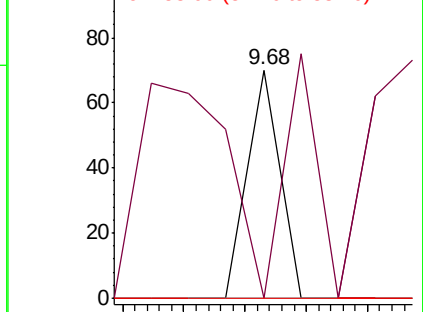
88 100

43 103.8 32.9 49.3#

58 0.0 71.0 106.4#



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: 50.943 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012389.D

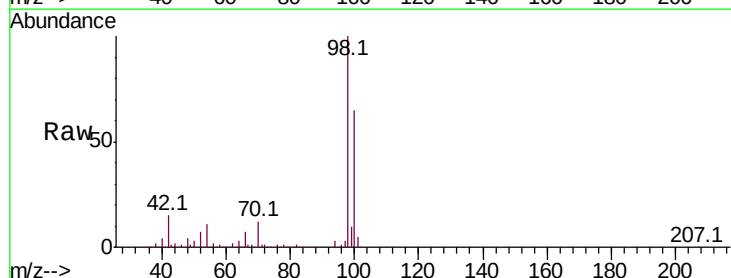
Acq: 31 Aug 2019 10:16

Tgt Ion: 98 Resp: 443204

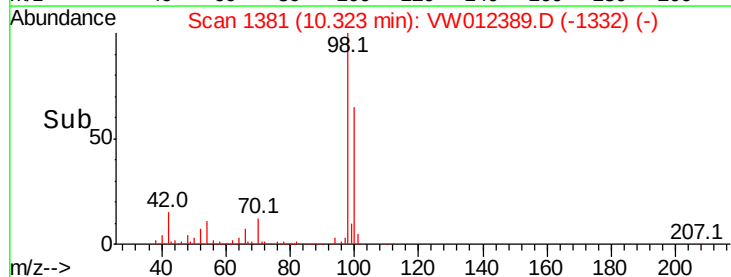
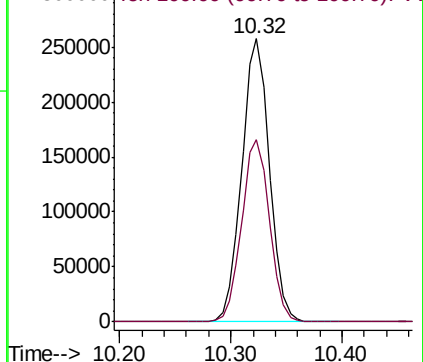
Ion Ratio Lower Upper

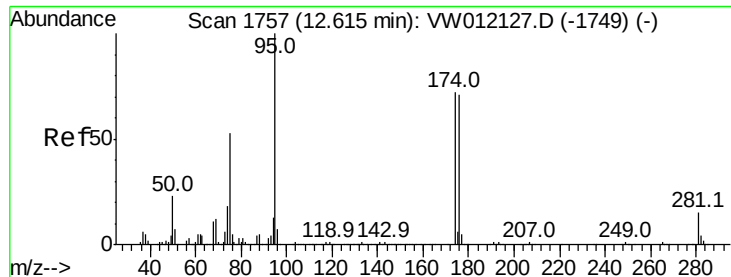
98 100

100 65.0 52.4 78.6



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

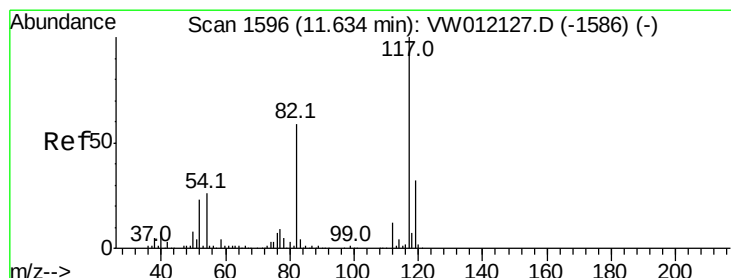
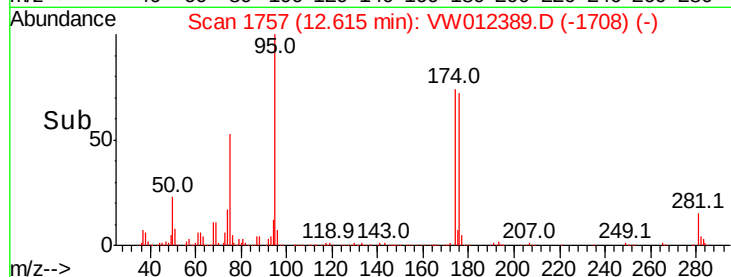
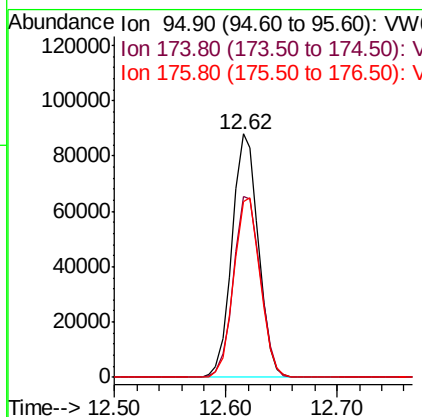
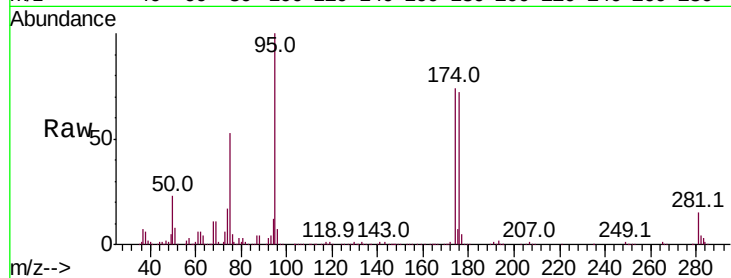




#62
4-Bromofluorobenzene
Concen: 46.924 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012389.D
Acq: 31 Aug 2019 10:16

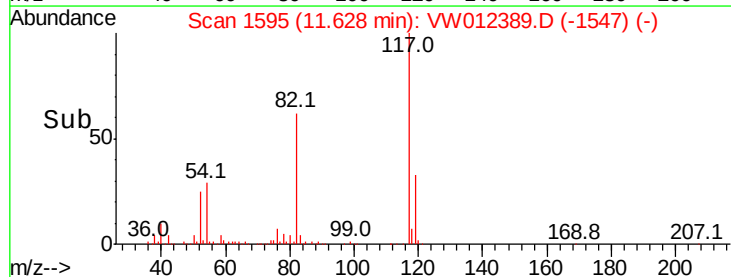
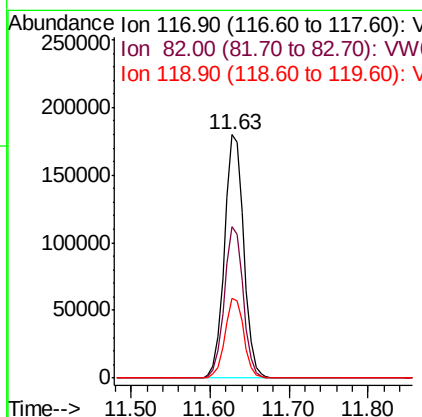
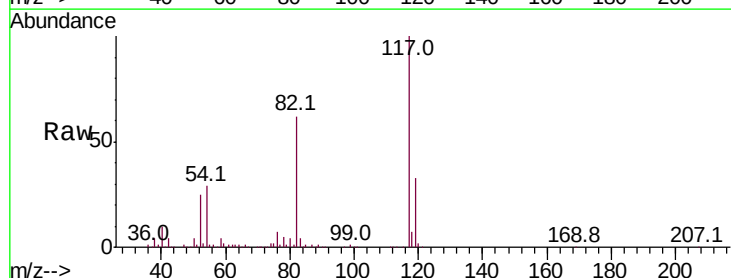
Instrument :
MSVOA_W
ClientSampled :

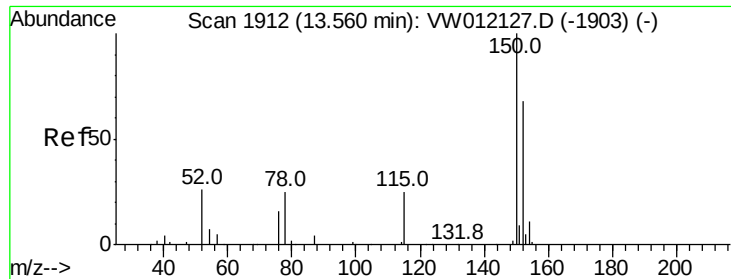
Tot Ion: 95 Resp: 143904
Ion Ratio Lower Upper
95 100
174 75.9 0.0 150.8
176 74.2 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012389.D
Acq: 31 Aug 2019 10:16

Tgt Ion: 117 Resp: 304587
Ion Ratio Lower Upper
117 100
82 62.3 47.4 71.2
119 32.6 25.4 38.2



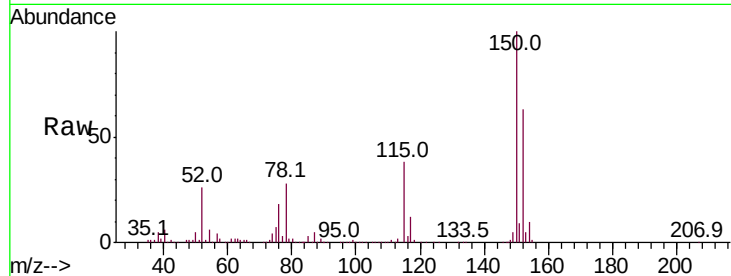


#72

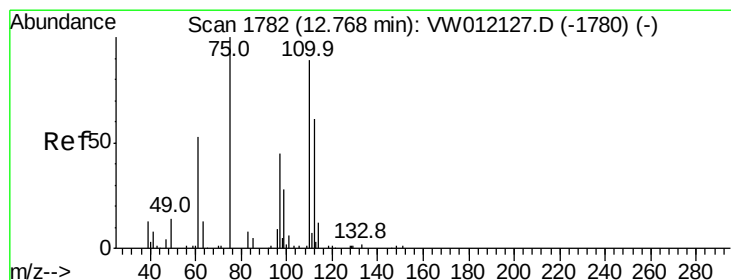
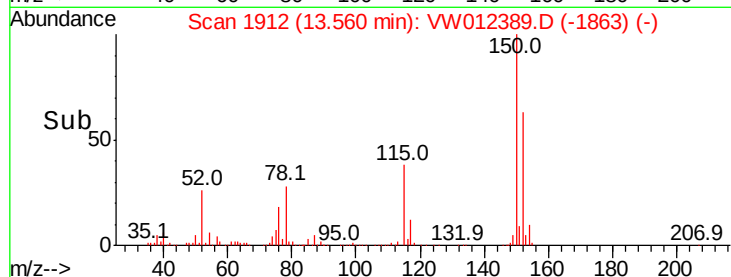
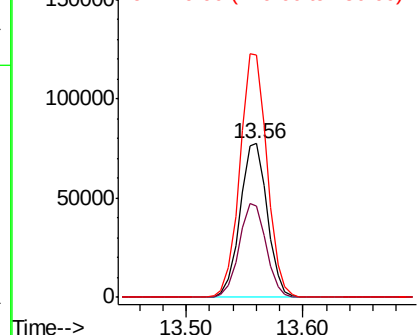
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012389.D
Acq: 31 Aug 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.5	30.1	90.3
150	157.4	0.0	345.8



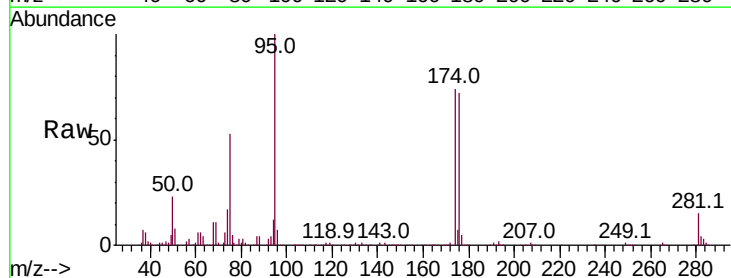
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



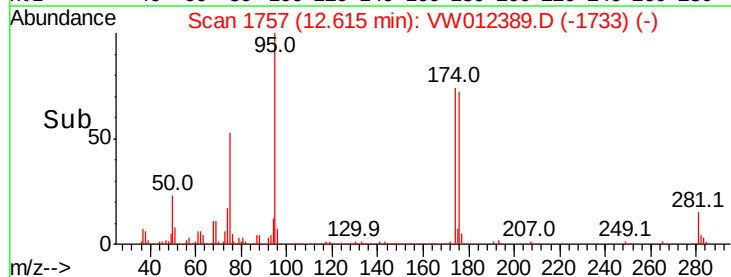
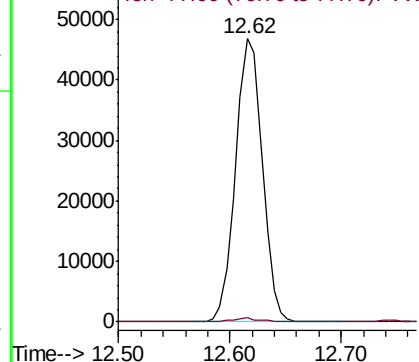
#76

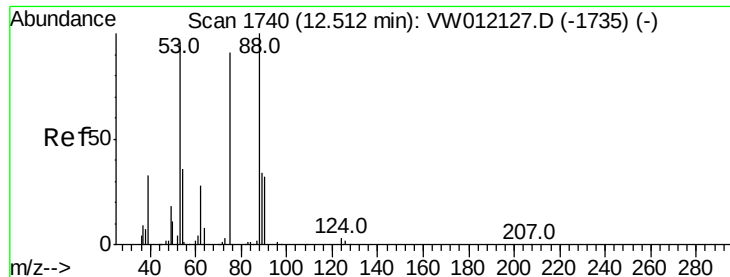
1,2,3-Trichloropropane
Concen: 63.455 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012389.D
Acq: 31 Aug 2019 10:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#



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

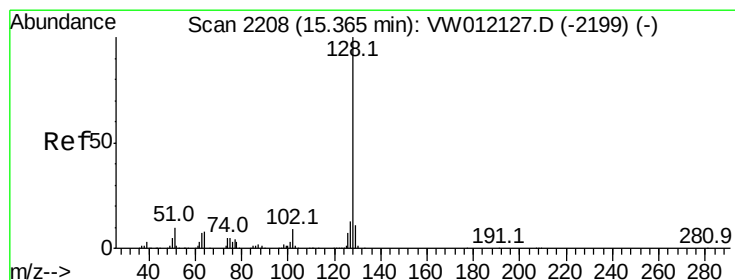
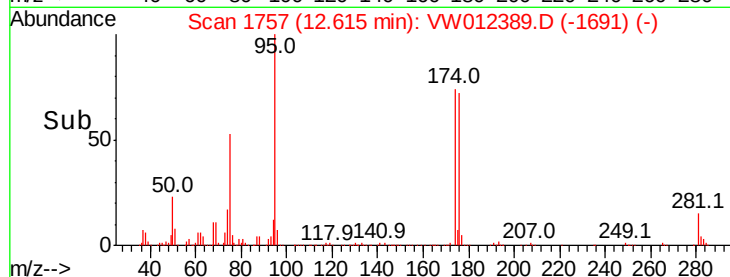
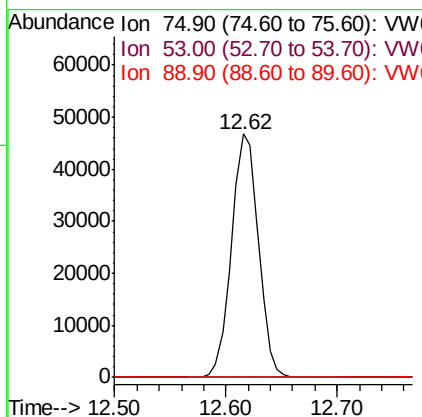
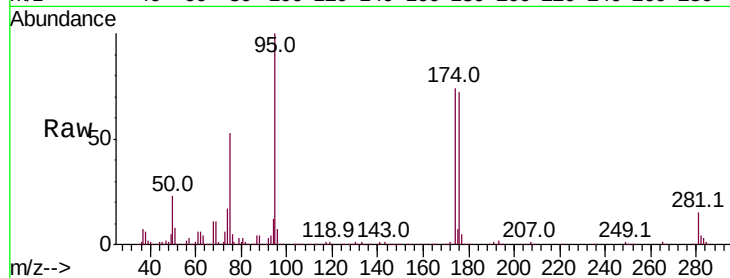




#81
trans-1,4-Dichloro-2-butene
Concen: 139.127 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012389.D
Acq: 31 Aug 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 78194
Ion Ratio Lower Upper
75 100
53 0.1 89.4 134.0#
89 0.2 34.5 51.7#



#95
Naphthalene
Concen: 4.482 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012389.D
Acq: 31 Aug 2019 10:16

Tgt Ion:128 Resp: 840
Ion Ratio Lower Upper
128 100
127 6.3 10.7 16.1#
129 9.5 8.7 13.1

