

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083119\
 Data File : VW012399.D
 Acq On : 31 Aug 2019 14:43
 Operator : SY/VA
 Sample : K4475-03
 Misc : 5.50G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 31 17:19:24 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	205643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	340823	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	278546	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	103536	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	138627	56.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.42%	
35) Dibromofluoromethane	7.88	113	106463	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
50) Toluene-d8	10.32	98	416547	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.62	95	126401	43.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.94%	

Target Compounds

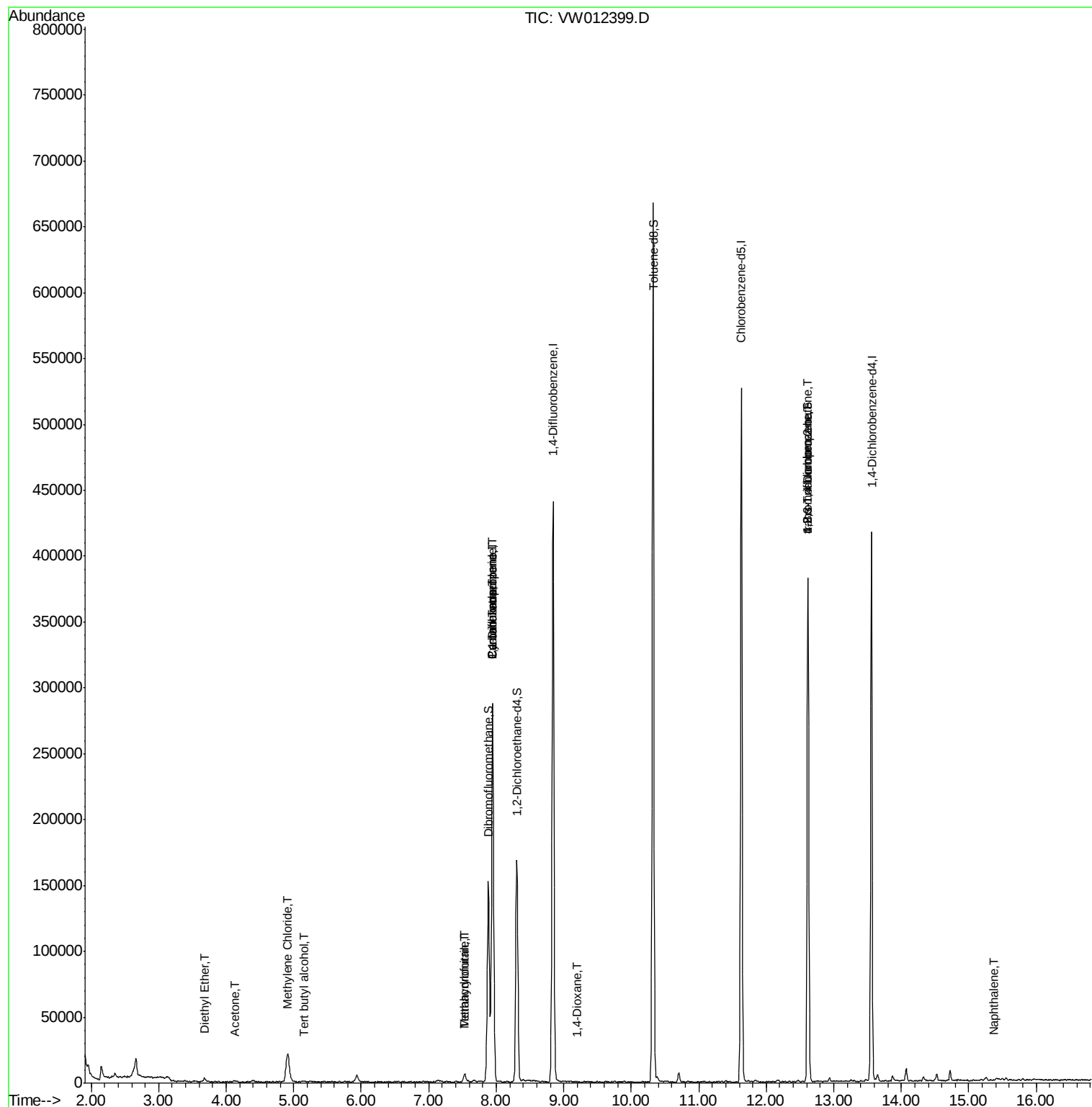
					Qvalue	
8) Diethyl Ether	3.68	74	1394	1.218	ug/l	88
11) Tert butyl alcohol	5.15	59	369	2.508	ug/l #	71
16) Acetone	4.12	43	1933	3.093	ug/l #	87
20) Methylene Chloride	4.92	84	15642	6.621	ug/l	96
29) Tetrahydrofuran	7.53	42	5399	10.598	ug/l	98
31) Cyclohexane	7.94	56	5133	1.166	ug/l #	3
36) 1,1-Dichloropropene	7.95	75	17713	5.029	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21181	6.948	ug/l #	18
41) Methacrylonitrile	7.52	41	3260	2.874	ug/l #	56
49) 1,4-Dioxane	9.21	88	20	1.134	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	67275	66.717	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	67275	146.279	ug/l #	6
95) Naphthalene	15.37	128	273	4.385	ug/l #	78

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW083119\
Data File : VW012399.D
Acq On : 31 Aug 2019 14:43
Operator : SY/VA
Sample : K4475-03
Misc : 5.50G/5ML/MSVOA W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Aug 31 17:19:24 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: VW012399.D

Acq: 31 Aug 2019 14:43

Instrument :

MSVOA_W

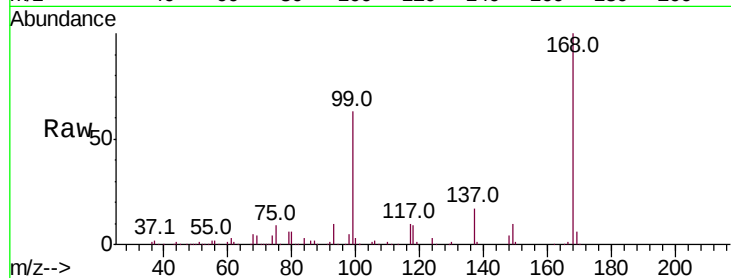
ClientSampled :

Tot Ion:168 Resp: 205643

Ion Ratio Lower Upper

168 100

99 63.1 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

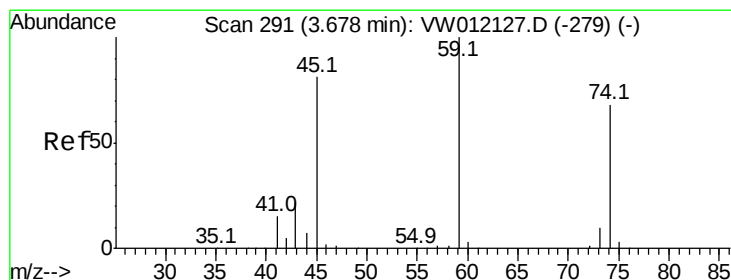
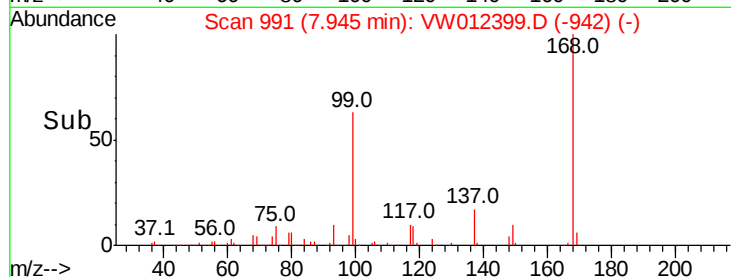
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.218 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012399.D

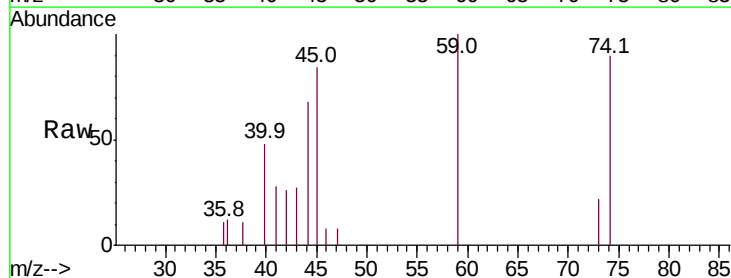
Acq: 31 Aug 2019 14:43

Tgt Ion: 74 Resp: 1394

Ion Ratio Lower Upper

74 100

45 131.3 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

1000

800

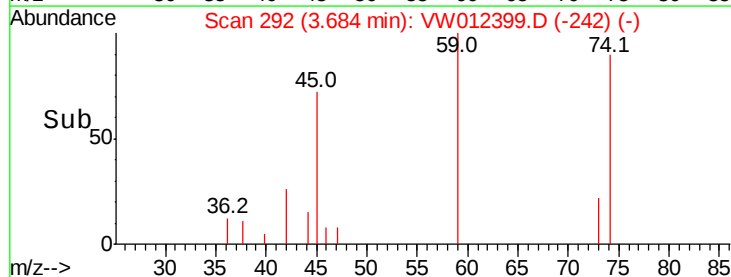
600

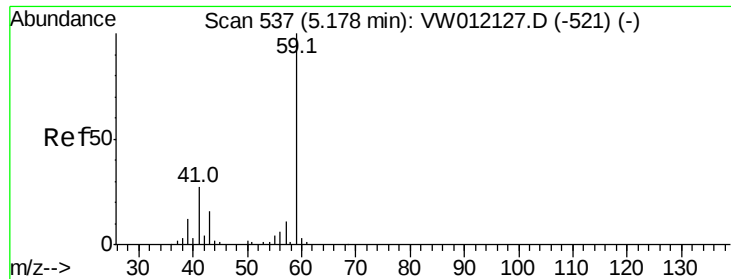
400

200

0

Time-->



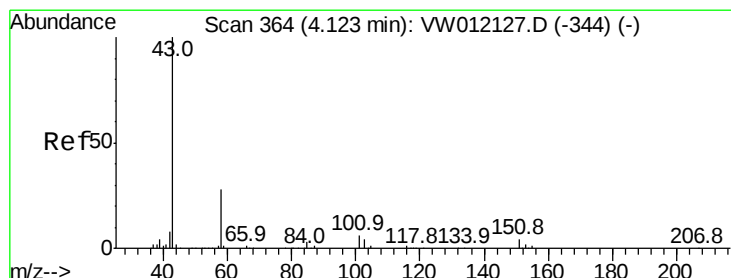
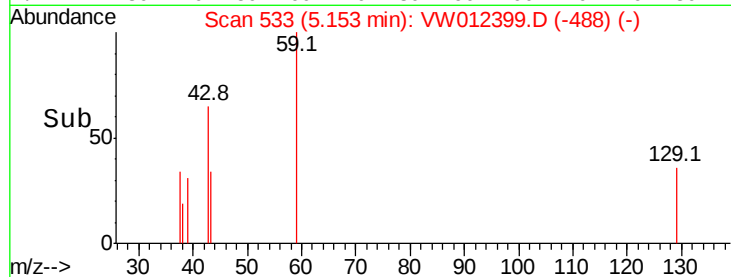
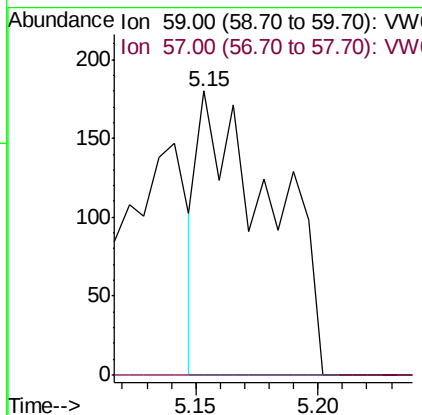
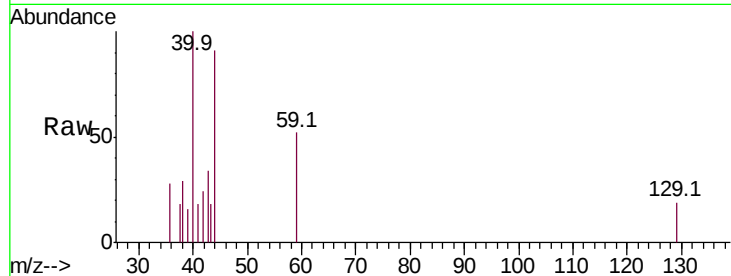


#11

Tert butvl alcohol
 Concen: 2.508 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. -0.02 min
 Lab File: VW012399.D
 Acq: 31 Aug 2019 14:43

Instrument :
 MSVOA_W
 ClientSampled :

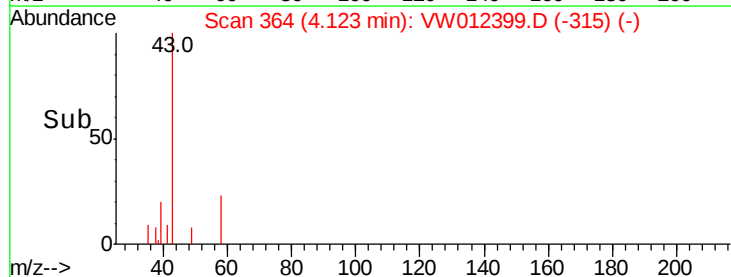
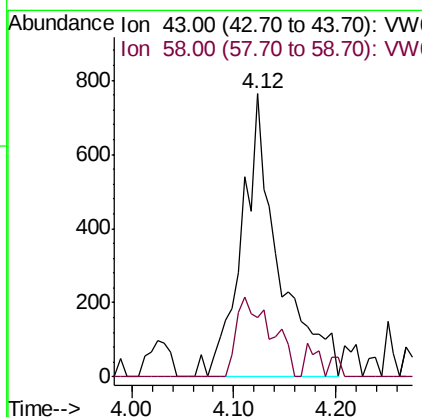
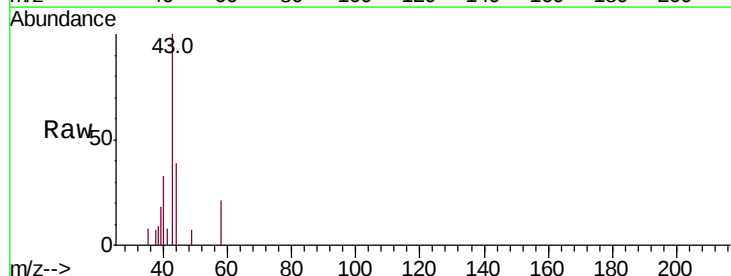
Tot Ion: 59 Resp: 369
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

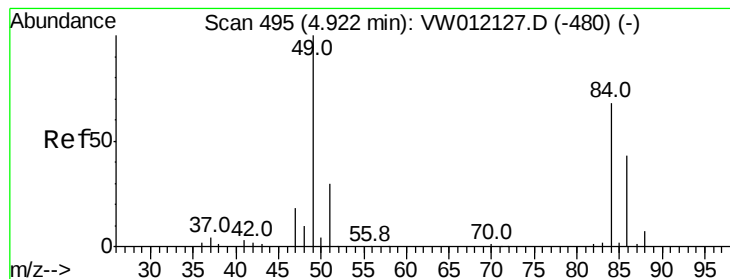


#16

Acetone
 Concen: 3.093 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VW012399.D
 Acq: 31 Aug 2019 14:43

Tgt Ion: 43 Resp: 1933
 Ion Ratio Lower Upper
 43 100
 58 21.0 22.4 33.6#





#20

Methvlene Chloride

Concen: 6.621 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012399.D

Acq: 31 Aug 2019 14:43

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 84 Resp: 15642

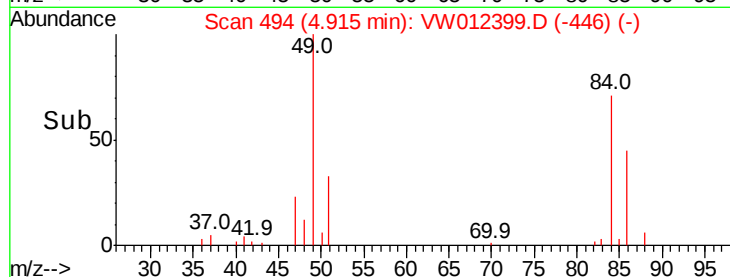
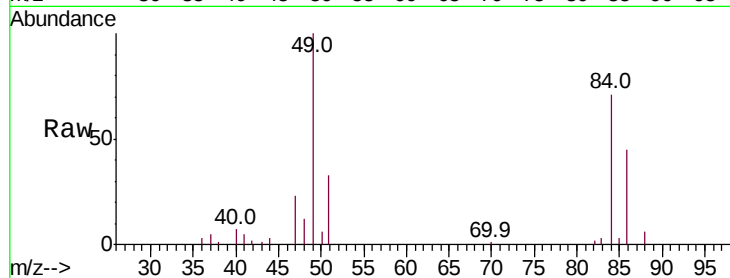
Ion Ratio Lower Upper

84 100

49 141.0 117.8 176.8

51 46.8 35.6 53.4

86 63.9 51.2 76.8



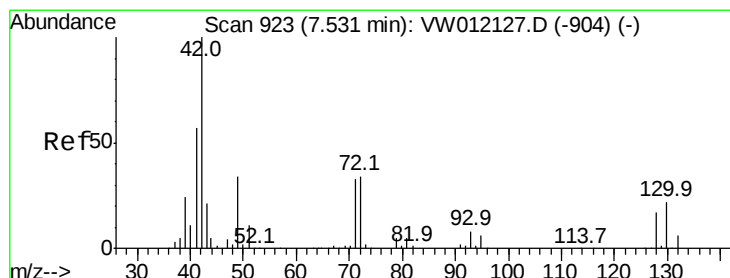
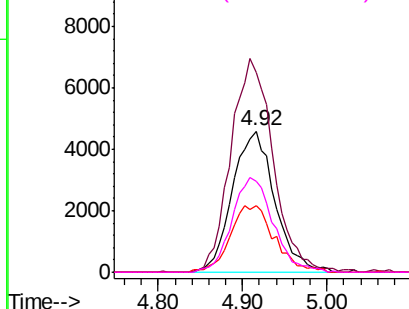
Abundance

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



#29

Tetrahydrofuran

Concen: 10.598 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW012399.D

Acq: 31 Aug 2019 14:43

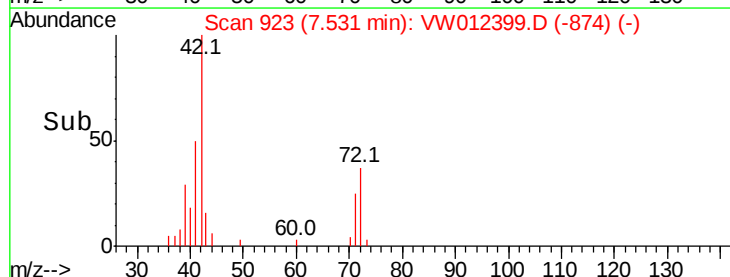
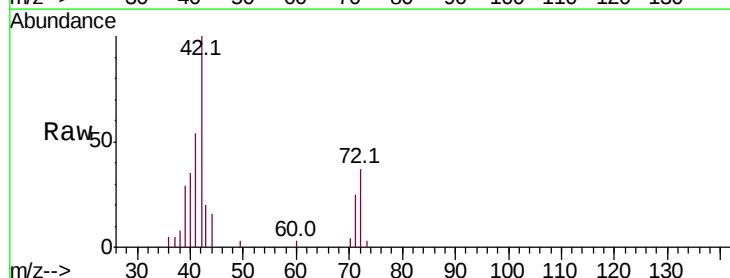
Tgt Ion: 42 Resp: 5399

Ion Ratio Lower Upper

42 100

72 34.0 27.3 40.9

71 29.9 25.5 38.3

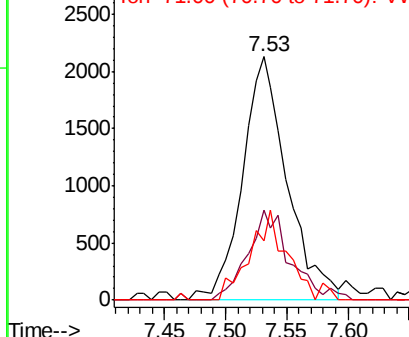


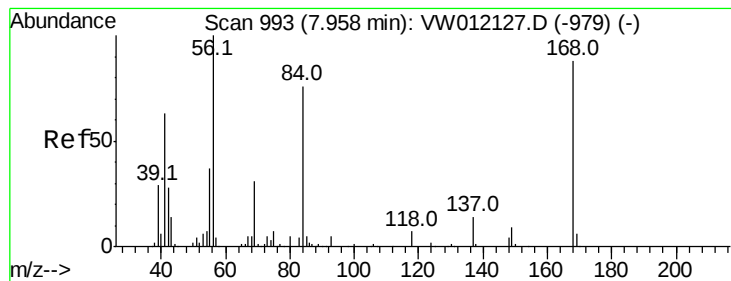
Abundance

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: 1.166 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012399.D

Acq: 31 Aug 2019 14:43

Instrument :
MSVOA_W
ClientSampled :

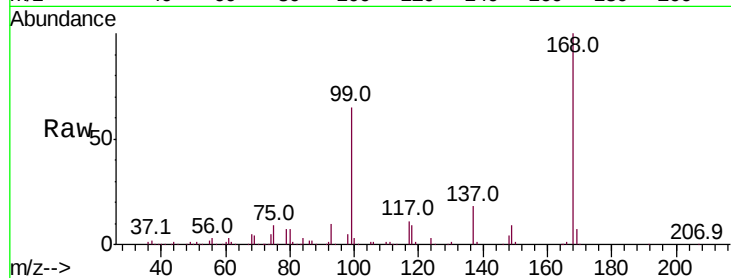
Tot Ion: 56 Resp: 5133

Ion Ratio Lower Upper

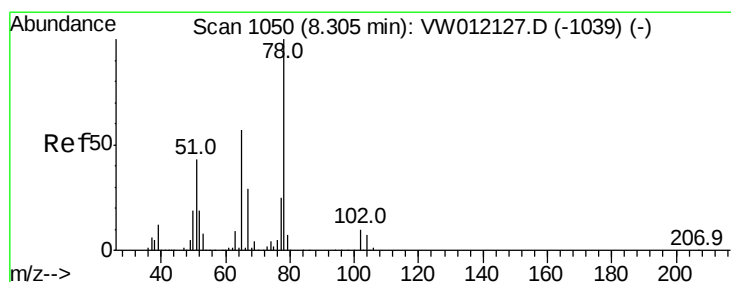
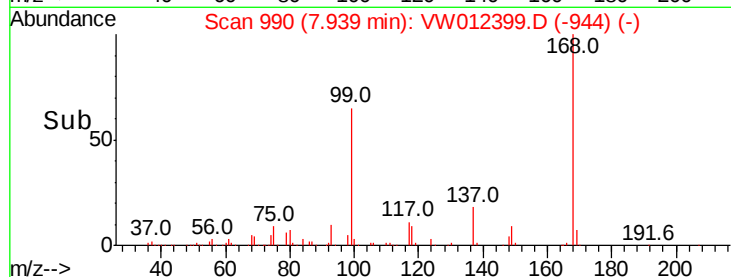
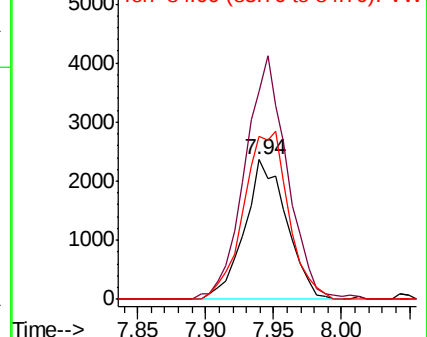
56 100

69 149.1 24.9 37.3#

84 117.3 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: 56.708 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012399.D

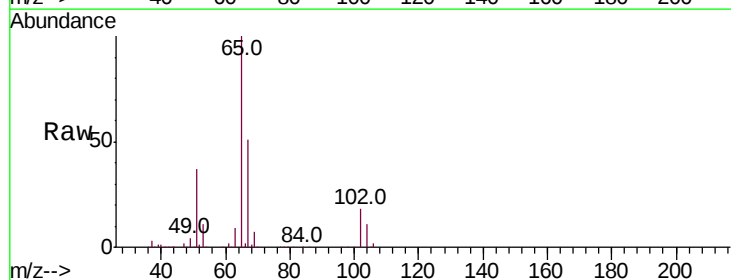
Acq: 31 Aug 2019 14:43

Tgt Ion: 65 Resp: 138627

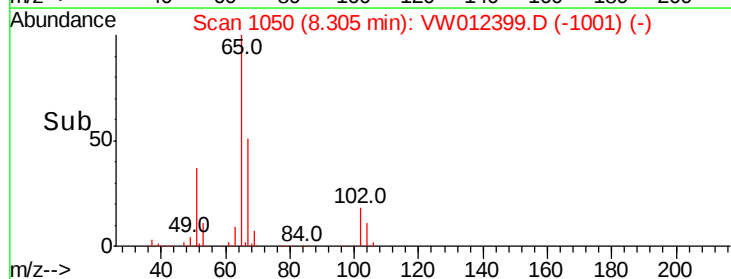
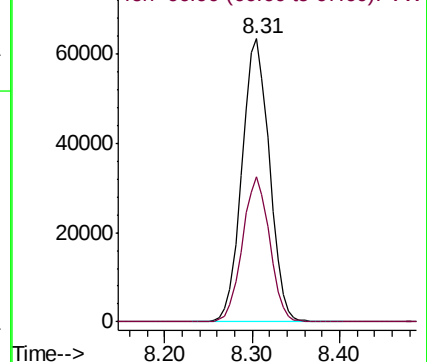
Ion Ratio Lower Upper

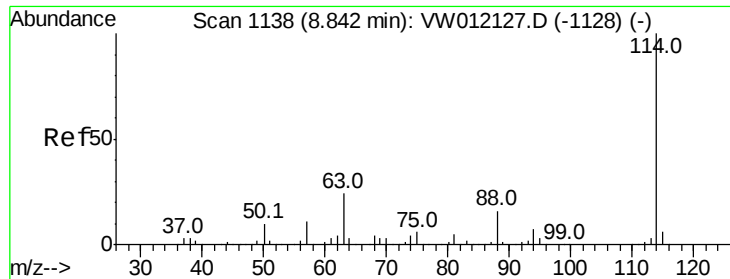
65 100

67 50.7 0.0 102.6



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

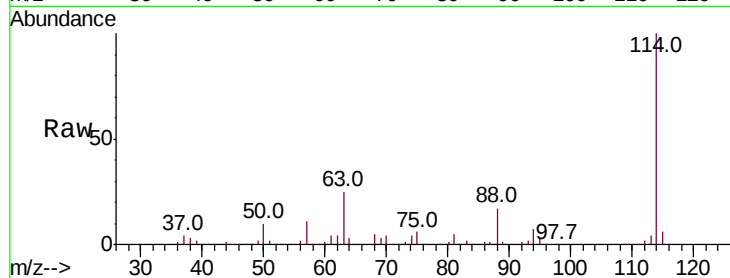




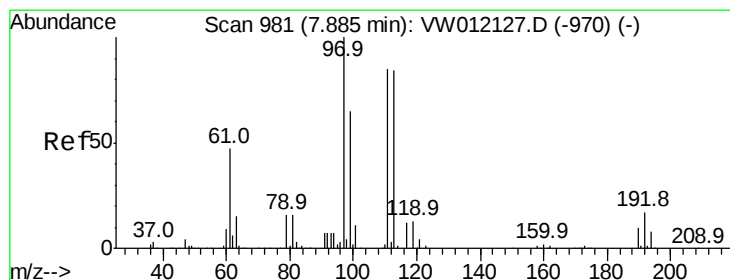
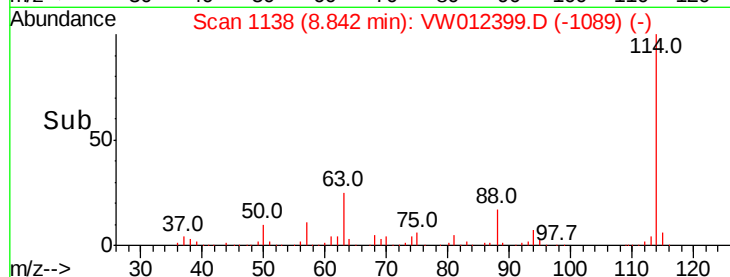
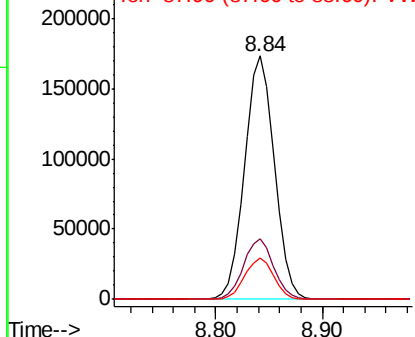
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012399.D
 Acq: 31 Aug 2019 14:43

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.1	0.0	48.6
88	17.2	0.0	32.2

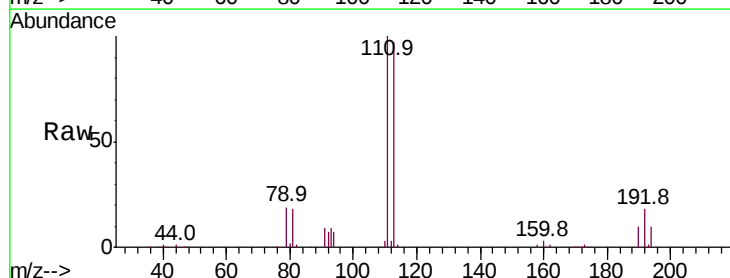


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

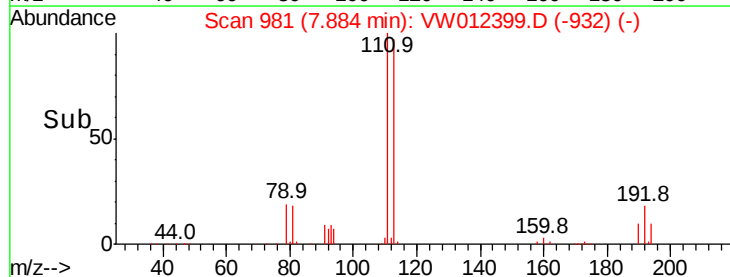
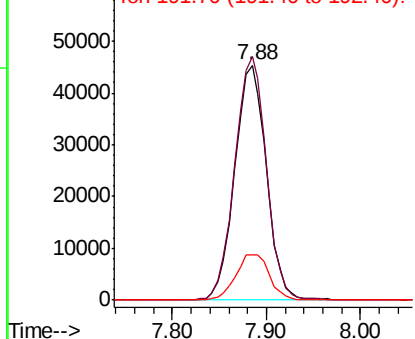


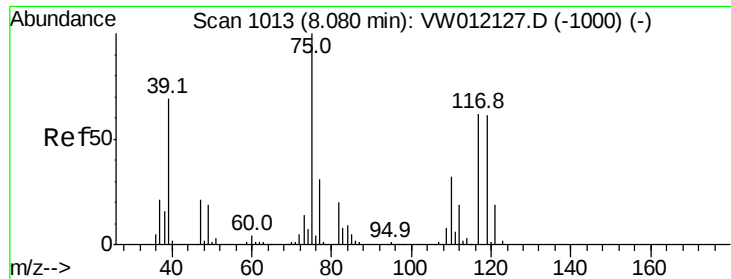
#35
 Dibromofluoromethane
 Concen: 52.332 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012399.D
 Acq: 31 Aug 2019 14:43

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.7	124.1
192	20.6	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: 5.029 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012399.D

Acq: 31 Aug 2019 14:43

Instrument :
MSVOA_W
ClientSampleId :

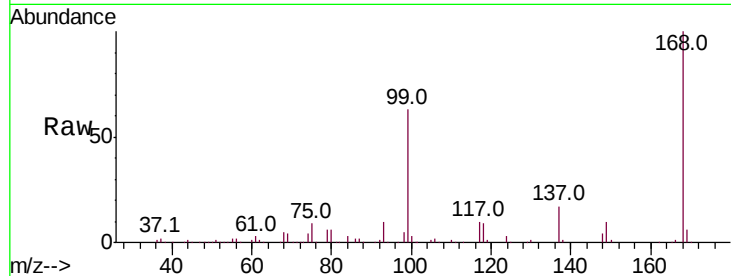
Tot Ion: 75 Resp: 17713

Ion Ratio Lower Upper

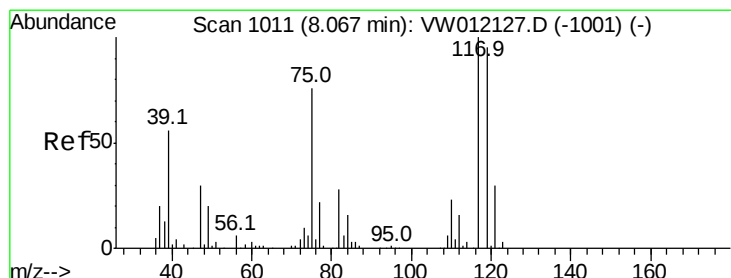
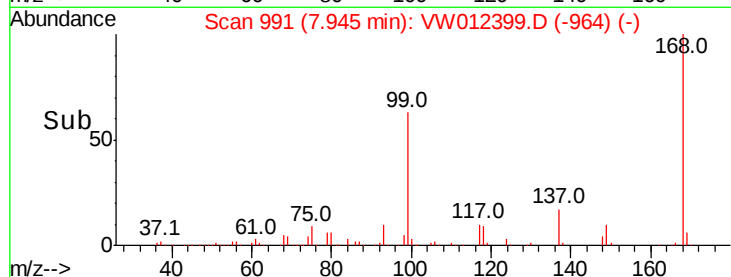
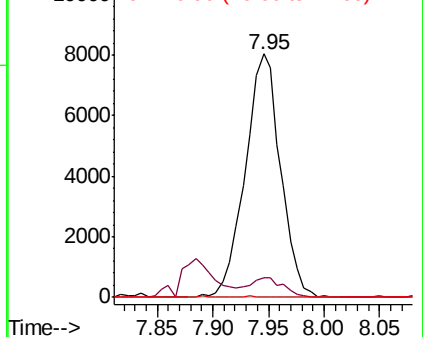
75 100

110 8.0 15.6 46.8#

77 0.1 24.6 36.8#



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: 6.948 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012399.D

Acq: 31 Aug 2019 14:43

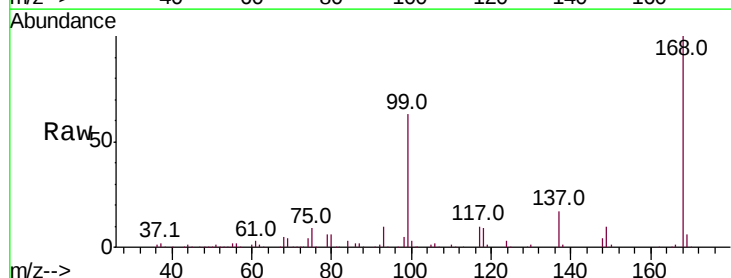
Tgt Ion: 117 Resp: 21181

Ion Ratio Lower Upper

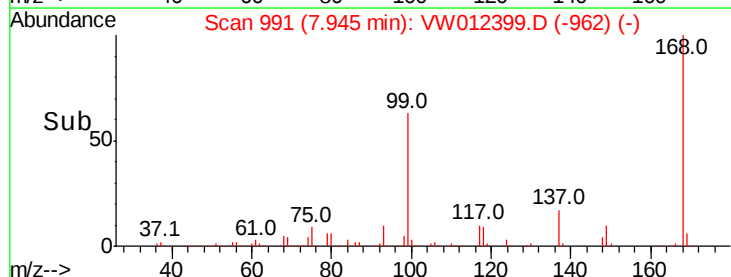
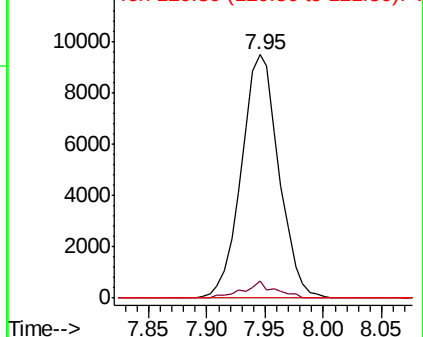
117 100

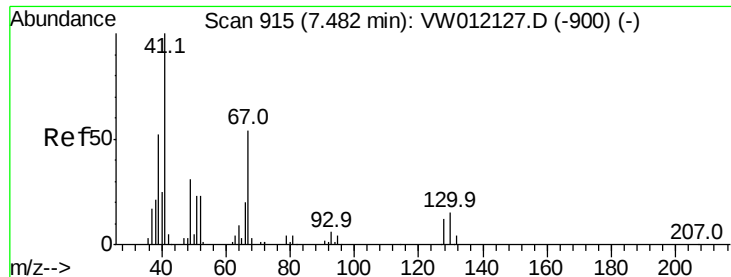
119 7.2 76.2 114.2#

121 0.0 23.8 35.8#



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

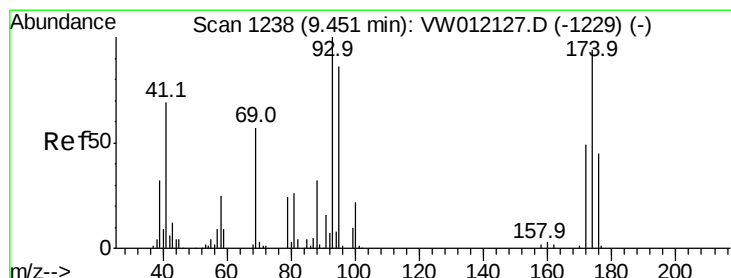
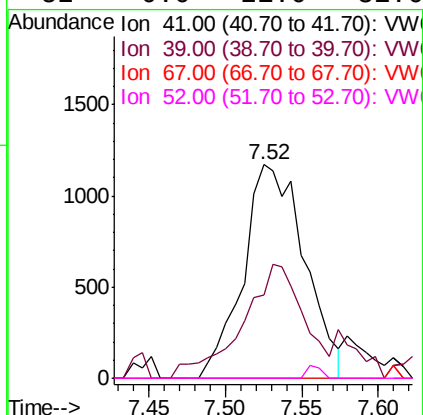
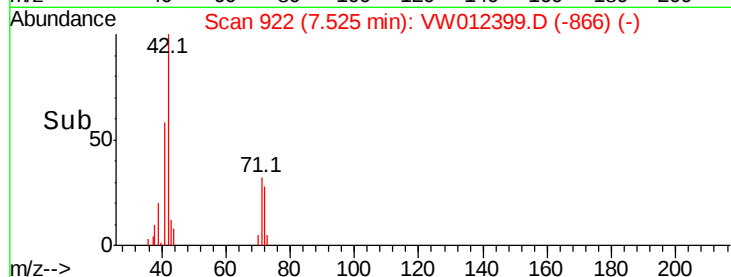
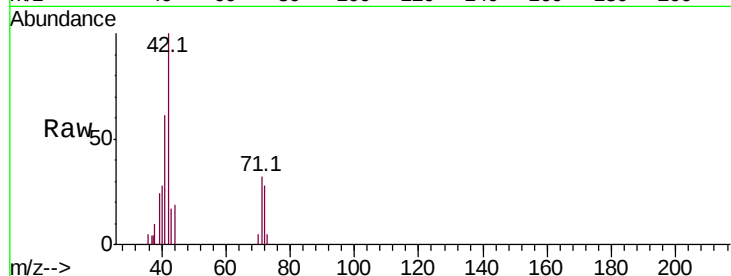




#41
Methacrylonitrile
Concen: 2.874 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.04 min
Lab File: VW012399.D
Acq: 31 Aug 2019 14:43

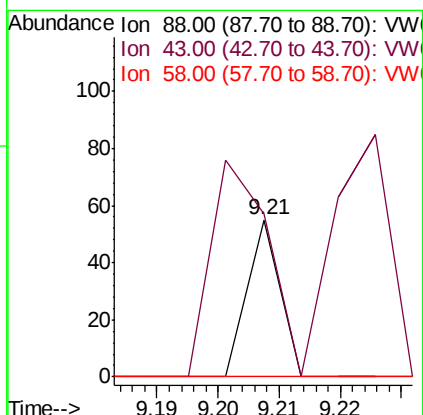
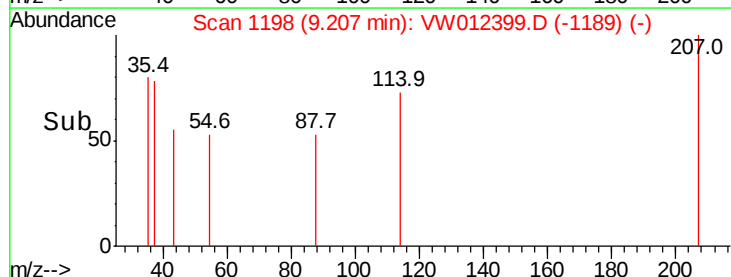
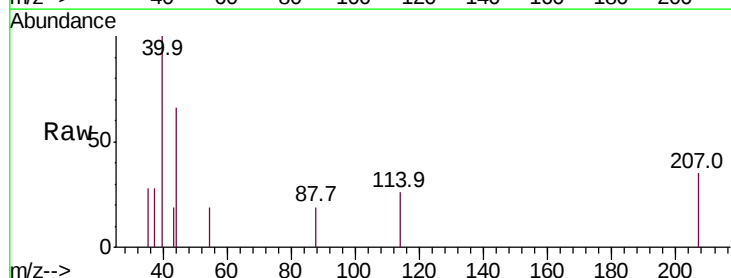
Instrument :
MSVOA_W
ClientSampled :

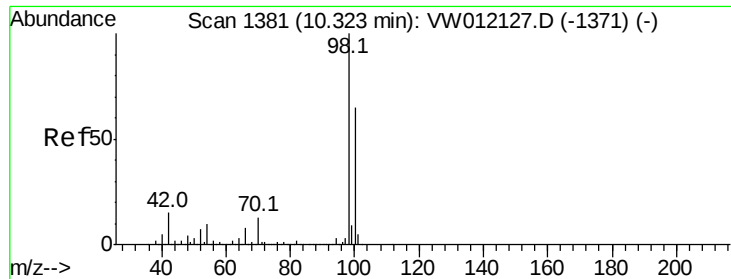
Tot Ion: 41 Resp: 3260
Ion Ratio Lower Upper
41 100
39 53.4 45.8 68.8
67 0.0 46.2 69.4#
52 0.0 21.0 31.6#



#49
1,4-Dioxane
Concen: 1.134 ug/l
RT: 9.21 min Scan# 1198
Delta R.T. -0.24 min
Lab File: VW012399.D
Acq: 31 Aug 2019 14:43

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 245.0 32.9 49.3#
58 0.0 71.0 106.4#

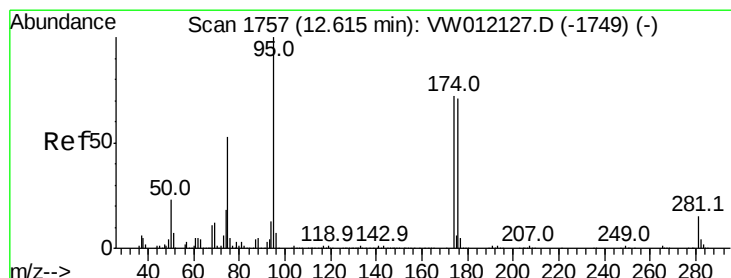
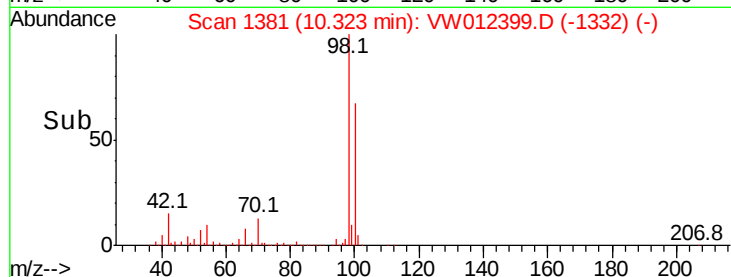
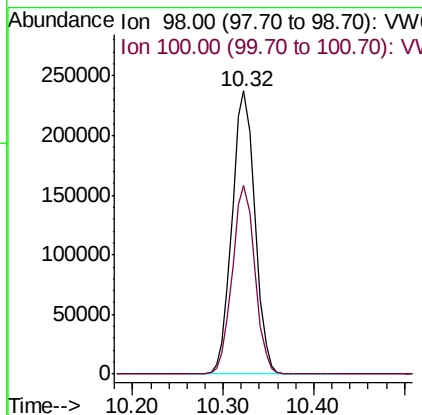
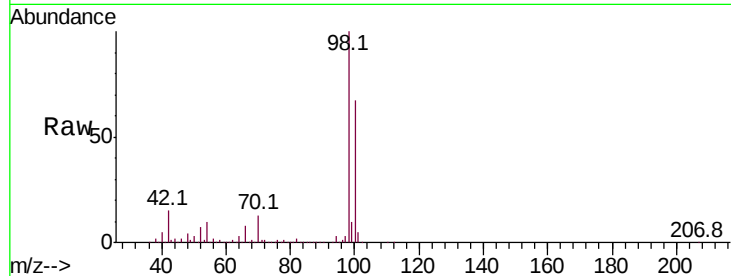




#50
Toluene-d8
Concen: 50.498 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012399.D
Acq: 31 Aug 2019 14:43

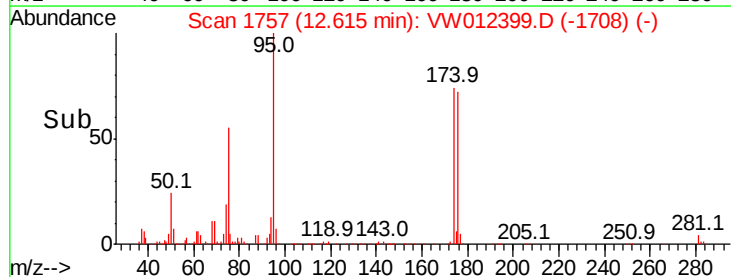
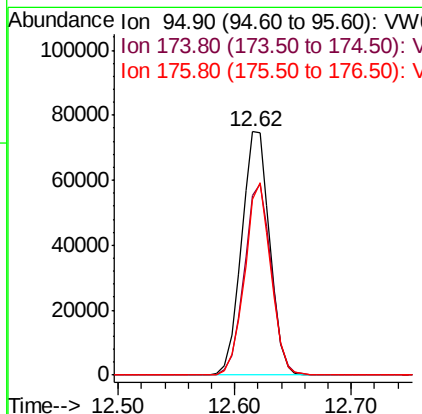
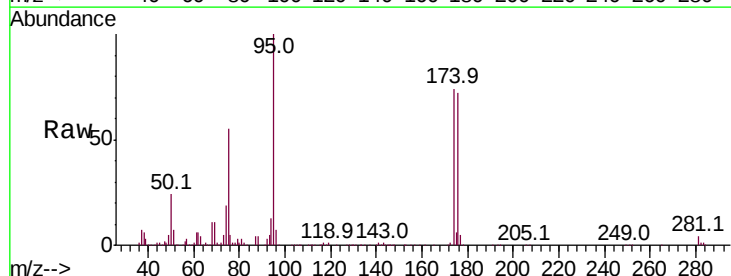
Instrument :
MSVOA_W
ClientSampled :

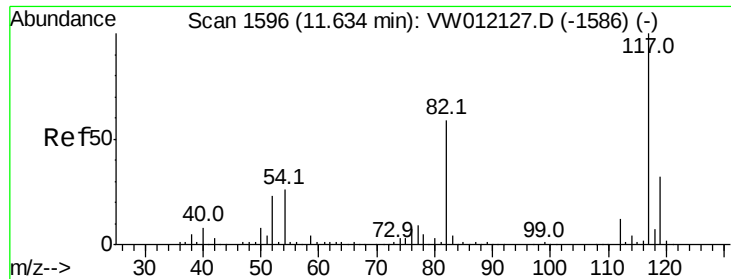
Tot Ion: 98 Resp: 416547
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 43.471 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012399.D
Acq: 31 Aug 2019 14:43

Tgt Ion: 95 Resp: 126401
Ion Ratio Lower Upper
95 100
174 75.5 0.0 150.8
176 73.4 0.0 148.6

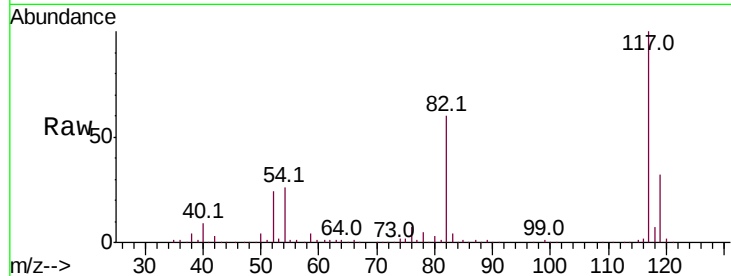




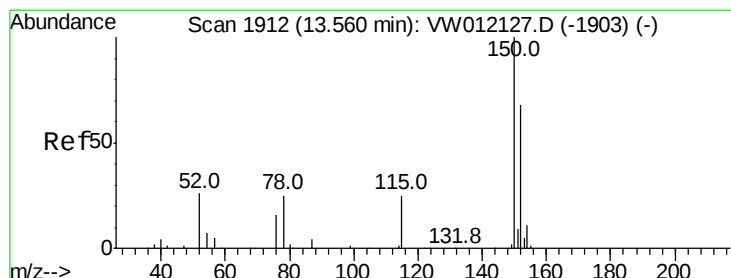
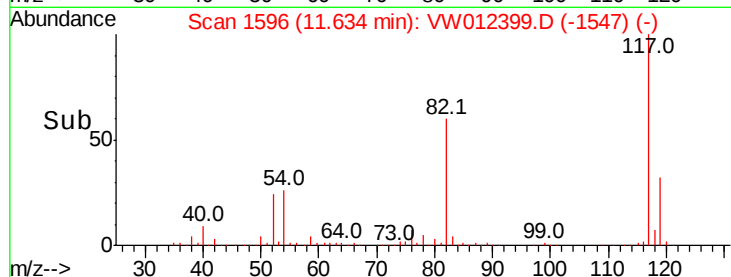
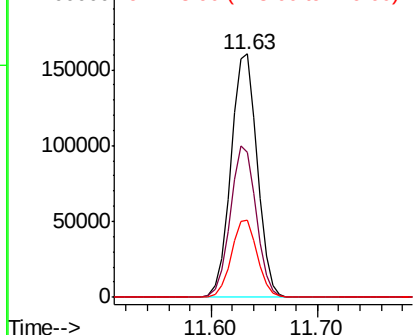
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012399.D
Acq: 31 Aug 2019 14:43

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 278546
Ion Ratio Lower Upper
117 100
82 59.6 47.4 71.2
119 31.7 25.4 38.2

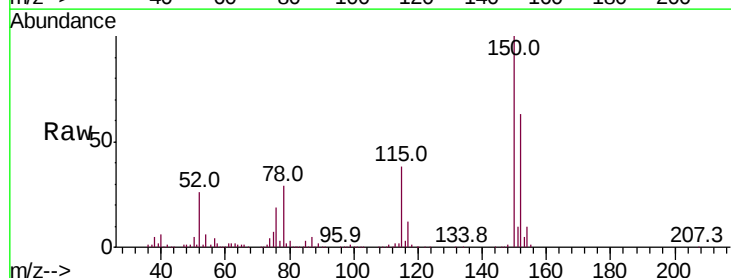


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV
Ion 118.90 (118.60 to 119.60): V

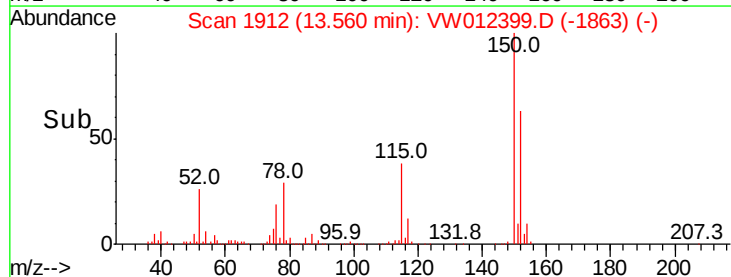
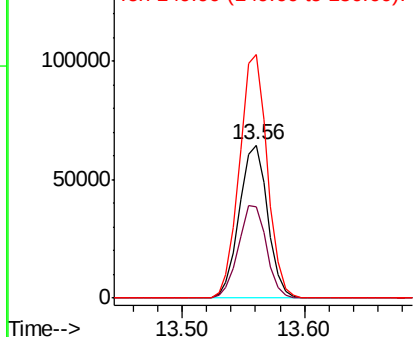


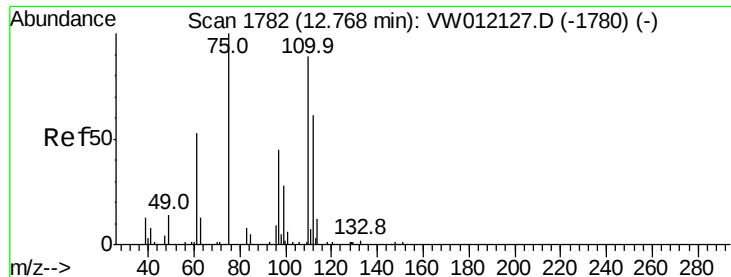
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012399.D
Acq: 31 Aug 2019 14:43

Tgt Ion:152 Resp: 103536
Ion Ratio Lower Upper
152 100
115 60.3 30.1 90.3
150 156.6 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: 66.717 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012399.D

Acq: 31 Aug 2019 14:43

Instrument :

MSVOA_W

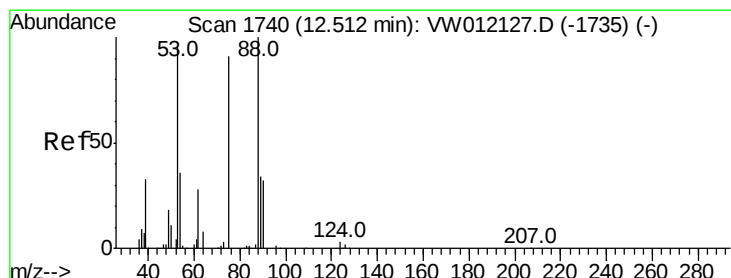
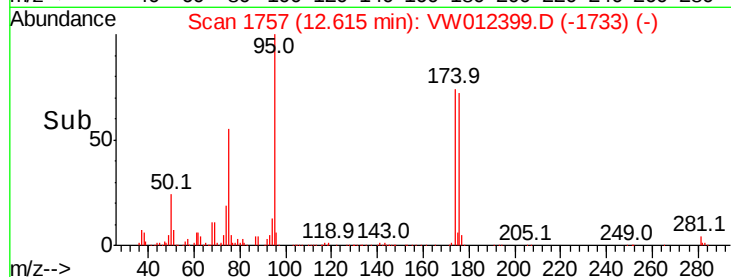
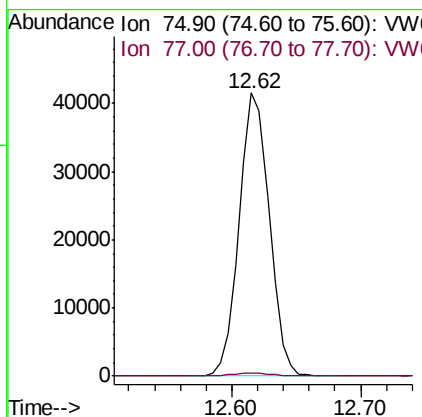
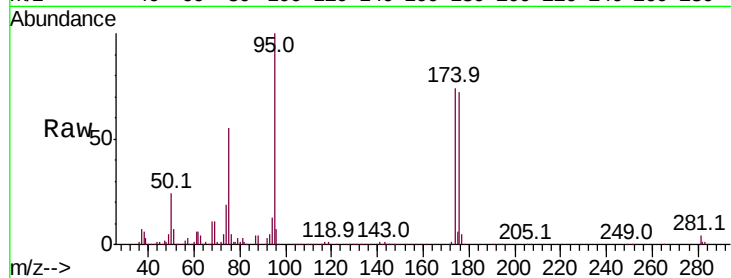
ClientSampleId :

Tot Ion: 75 Resp: 67275

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 146.279 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012399.D

Acq: 31 Aug 2019 14:43

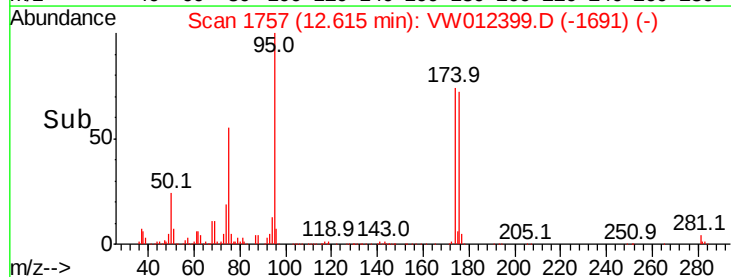
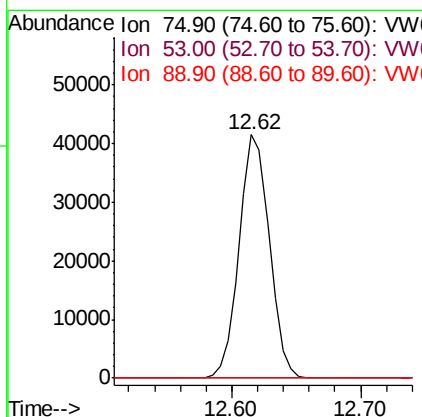
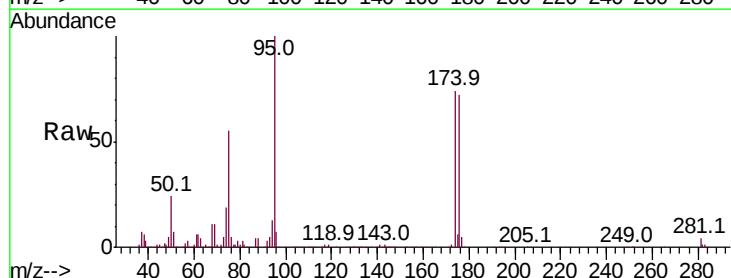
Tgt Ion: 75 Resp: 67275

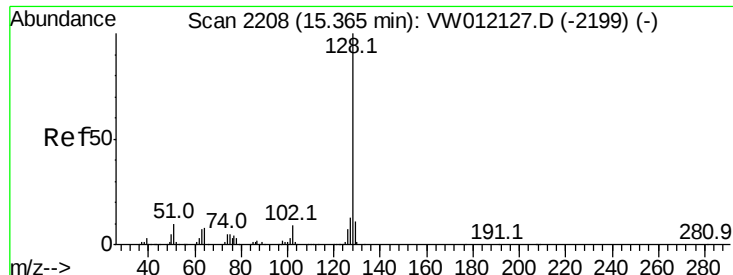
Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 4.385 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012399.D

Acq: 31 Aug 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

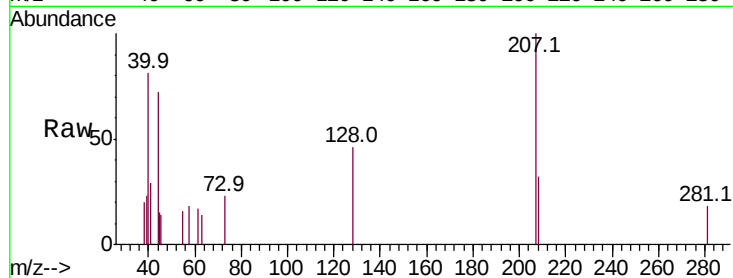
Tot Ion:128 Resp: 273

Ion Ratio Lower Upper

128 100

127 7.0 10.7 16.1#

129 0.0 8.7 13.1#



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

