

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090519\
 Data File : VW012679.D
 Acq On : 06 Sep 2019 08:39
 Operator : SY/VA
 Sample : K4581-08
 Misc : 3.47G/5ML/MSVOA W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 06 11:19:47 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

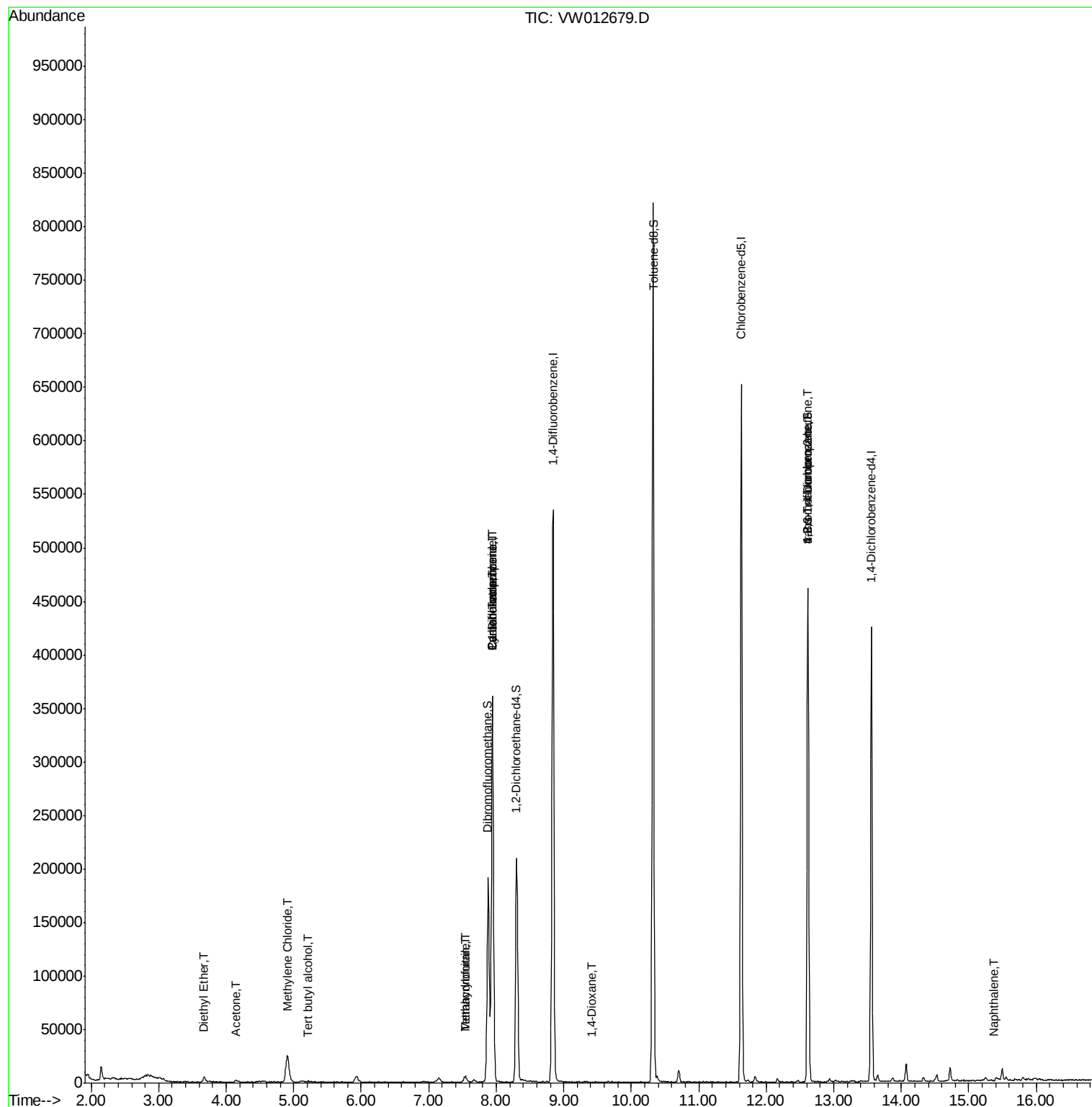
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	262963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	423627	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	339671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	109284	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	172903	55.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.62%	
35) Dibromofluoromethane	7.88	113	133010	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
50) Toluene-d8	10.32	98	517237	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.62	95	145292	40.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.40%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	2402	1.641	ug/l	83
11) Tert butyl alcohol	5.20	59	408	2.169	ug/l #	49
16) Acetone	4.14	43	3057	3.826	ug/l	95
20) Methylene Chloride	4.90	84	17895	5.924	ug/l	93
29) Tetrahydrofuran	7.54	42	5441	8.352	ug/l	100
31) Cyclohexane	7.94	56	6687	1.188	ug/l #	10
36) 1,1-Dichloropropene	7.95	75	22220	5.076	ug/l #	53
38) Carbon Tetrachloride	7.95	117	26115	6.892	ug/l #	17
41) Methacrylonitrile	7.54	41	3096	2.196	ug/l #	57
49) 1,4-Dioxane	9.43	88	22	1.004	ug/l #	11
76) 1,2,3-Trichloropropane	12.62	75	80136	75.291	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	80136	165.079	ug/l #	6
95) Naphthalene	15.36	128	188	4.363	ug/l #	85

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

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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: VW012679.D

Acq: 06 Sep 2019 08:39

Instrument :

MSVOA_W

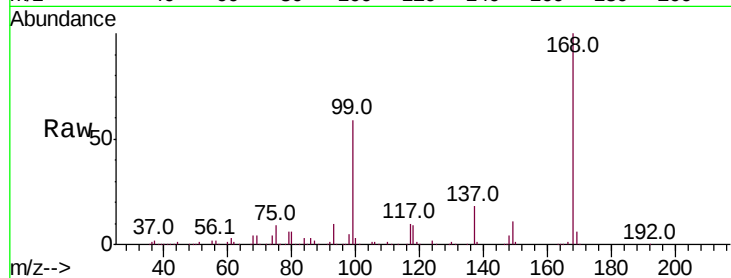
ClientSampleId :

Tot Ion:168 Resp: 262963

Ion Ratio Lower Upper

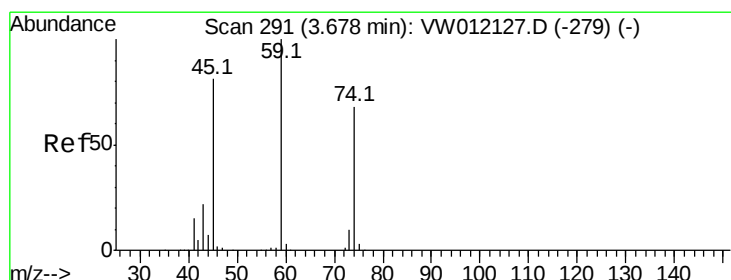
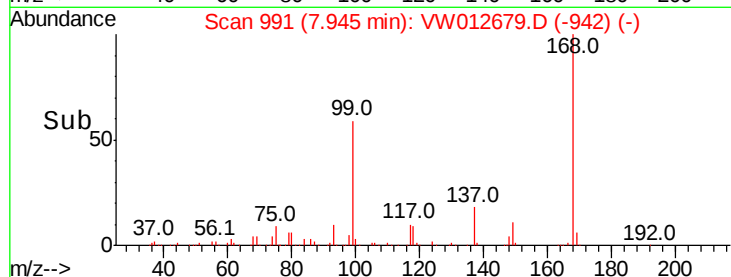
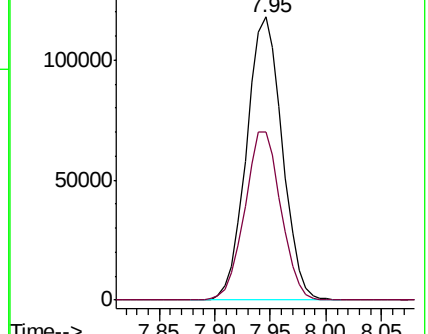
168 100

99 59.3 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.641 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012679.D

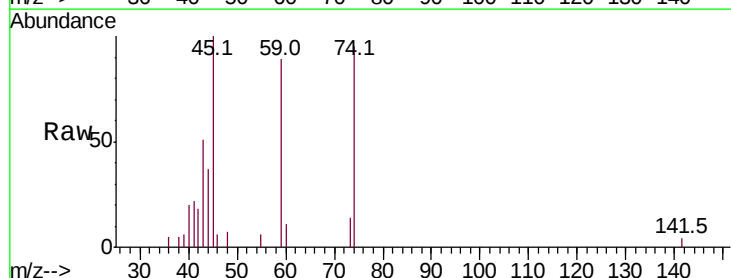
Acq: 06 Sep 2019 08:39

Tgt Ion: 74 Resp: 2402

Ion Ratio Lower Upper

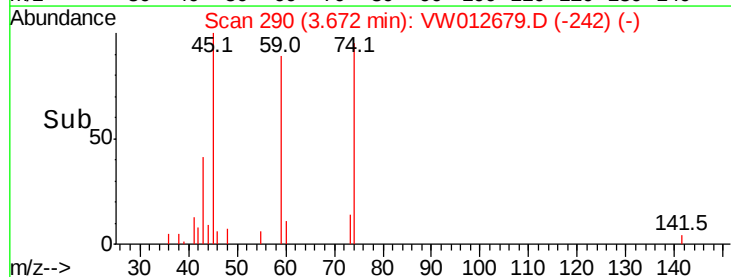
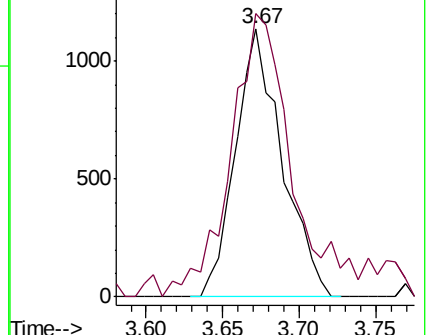
74 100

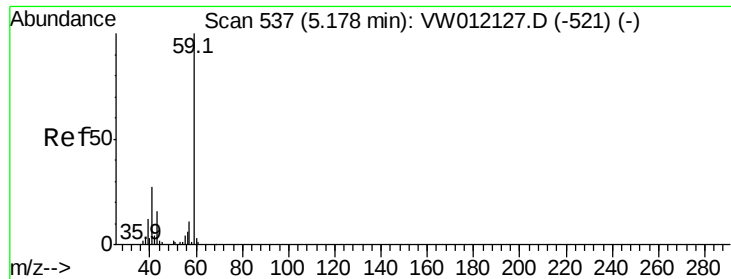
45 137.5 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



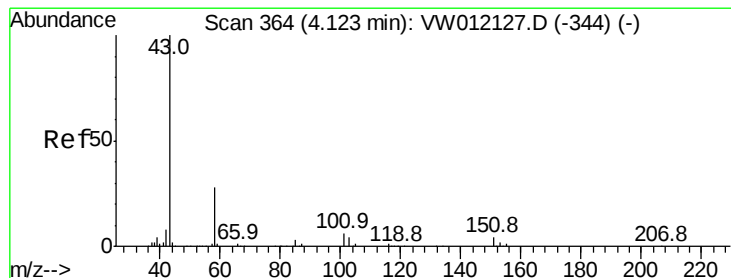
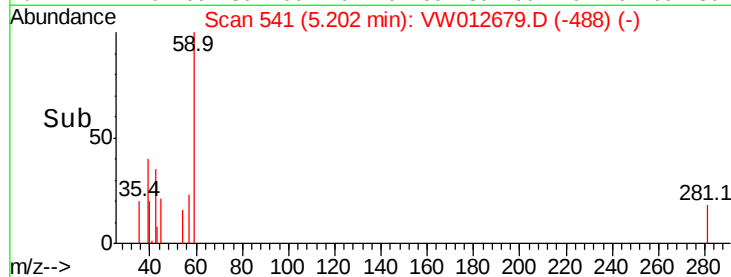
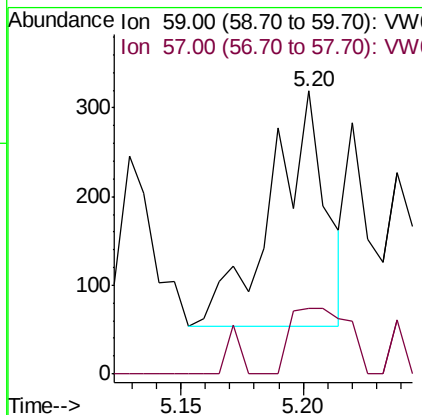
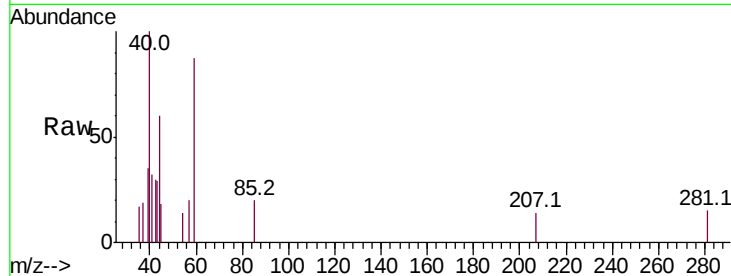


#11

Tert butyl alcohol
 Concen: 2.169 ug/l
 RT: 5.20 min Scan# 541
 Delta R.T. 0.02 min
 Lab File: VW012679.D
 Acq: 06 Sep 2019 08:39

Instrument :
 MSVOA_W
 ClientSampled :

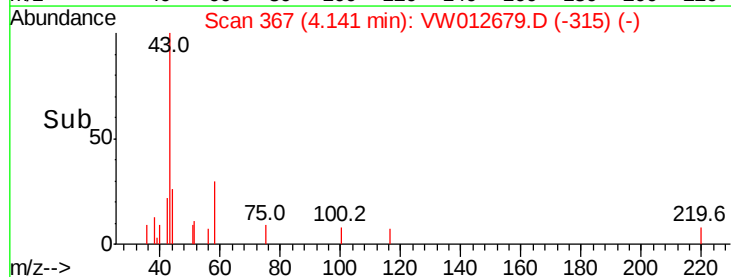
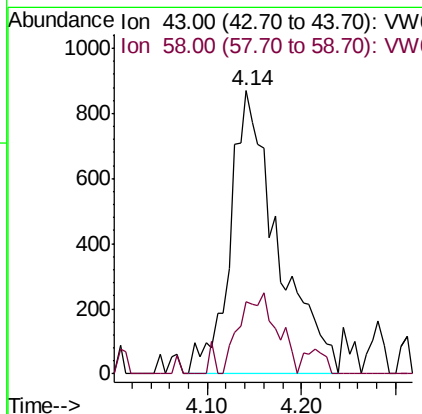
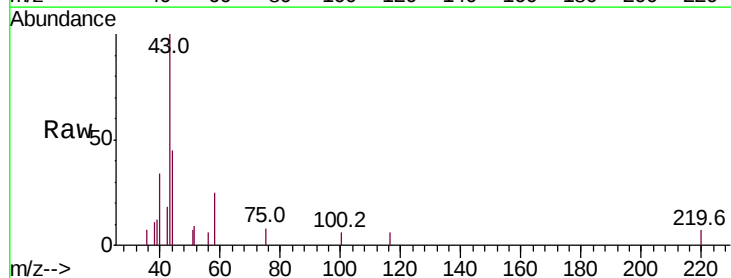
Tot Ion: 59 Resp: 408
 Ion Ratio Lower Upper
 59 100
 57 30.6 9.0 13.4#

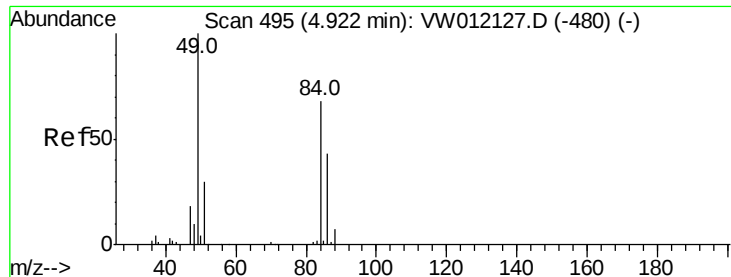


#16

Acetone
 Concen: 3.826 ug/l
 RT: 4.14 min Scan# 367
 Delta R.T. 0.02 min
 Lab File: VW012679.D
 Acq: 06 Sep 2019 08:39

Tgt Ion: 43 Resp: 3057
 Ion Ratio Lower Upper
 43 100
 58 25.3 22.4 33.6

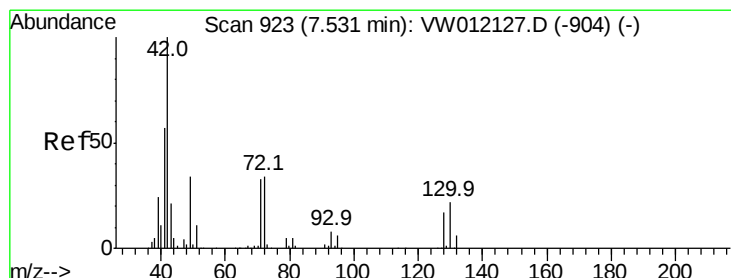
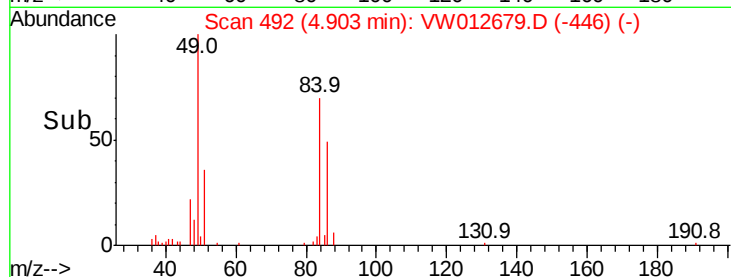
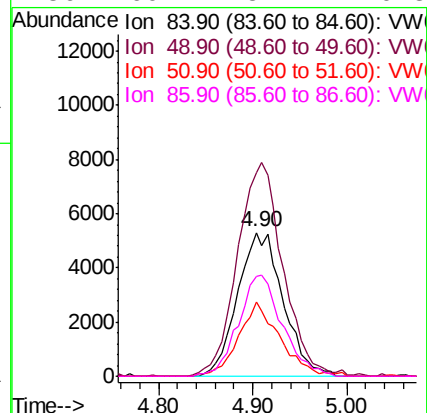
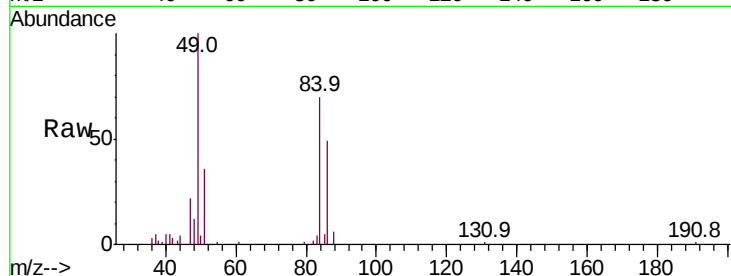




#20
Methvlene Chloride
Concen: 5.924 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012679.D
Acq: 06 Sep 2019 08:39

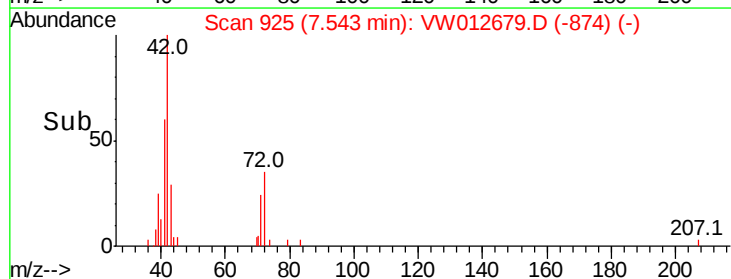
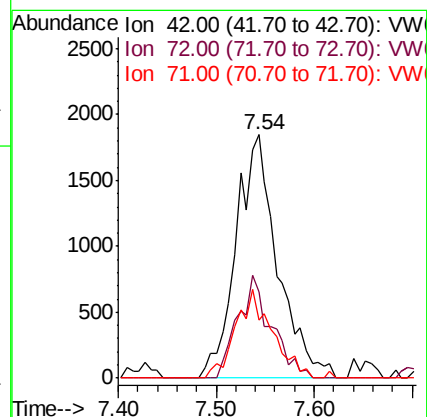
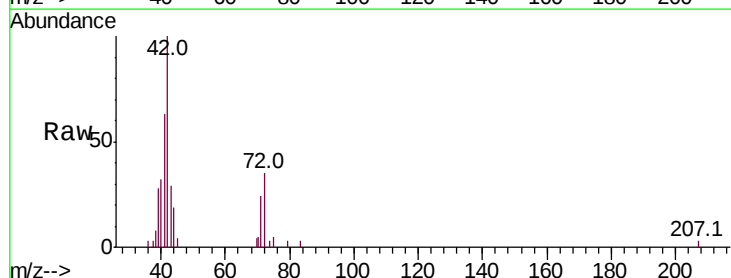
Instrument :
MSVOA_W
ClientSampled :

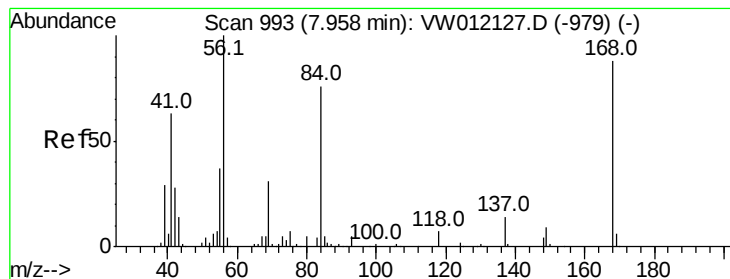
Tot Ion:	84	Resp:	17895
Ion	Ratio	Lower	Upper
84	100		
49	140.6	117.8	176.8
51	51.6	35.6	53.4
86	69.2	51.2	76.8



#29
Tetrahydrofuran
Concen: 8.352 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012679.D
Acq: 06 Sep 2019 08:39

Tgt Ion:	42	Resp:	5441
Ion	Ratio	Lower	Upper
42	100		
72	34.1	27.3	40.9
71	32.0	25.5	38.3





#31

Cyclohexane

Concen: 1.188 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

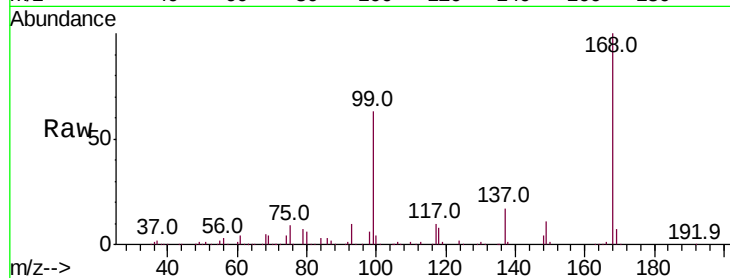
Lab File: VW012679.D

Acq: 06 Sep 2019 08:39

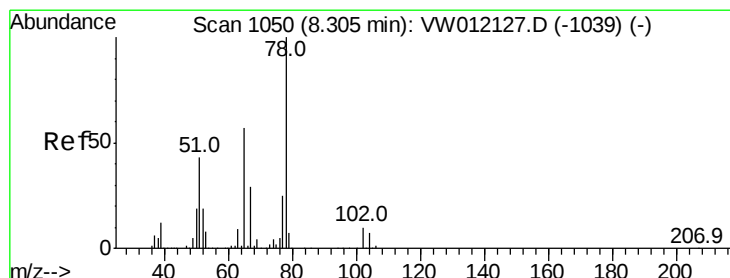
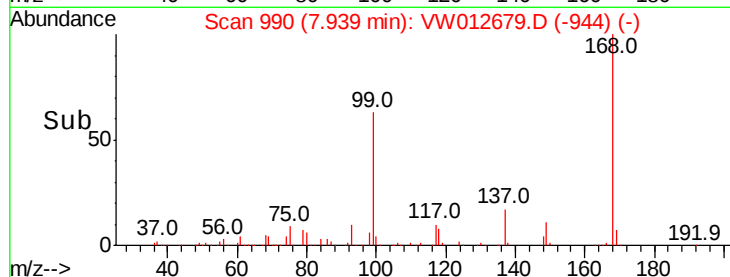
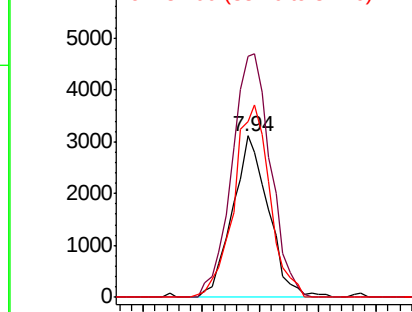
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 6687

Ion	Ratio	Lower	Upper
56	100		
69	149.5	24.9	37.3#
84	108.8	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: 55.311 ug/l

RT: 8.30 min Scan# 1049

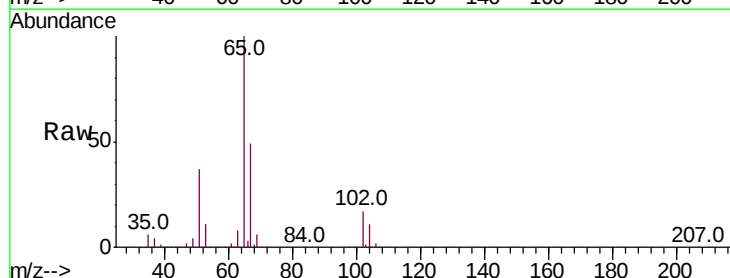
Delta R.T. -0.01 min

Lab File: VW012679.D

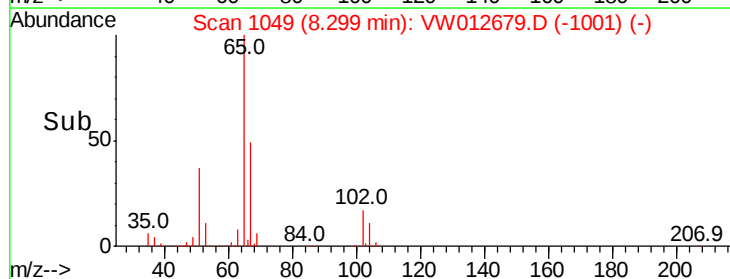
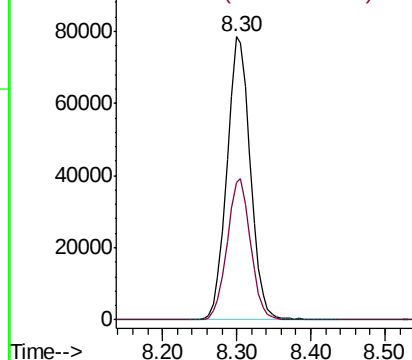
Acq: 06 Sep 2019 08:39

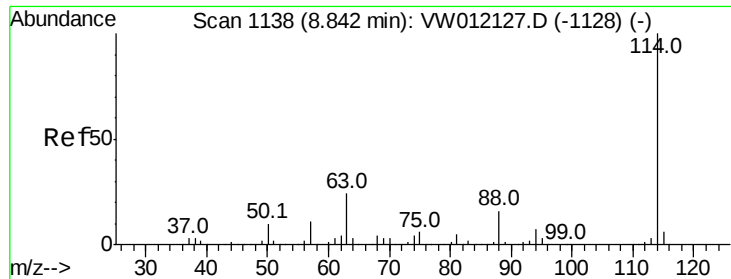
Tgt Ion: 65 Resp: 172903

Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	102.6



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

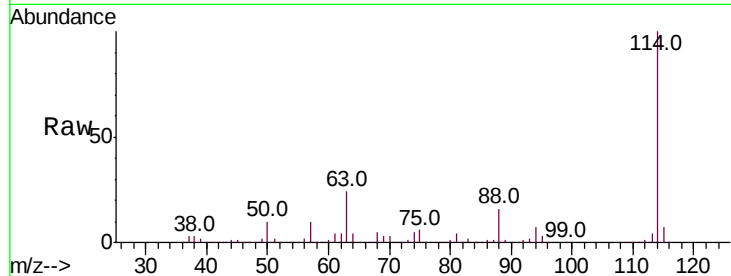




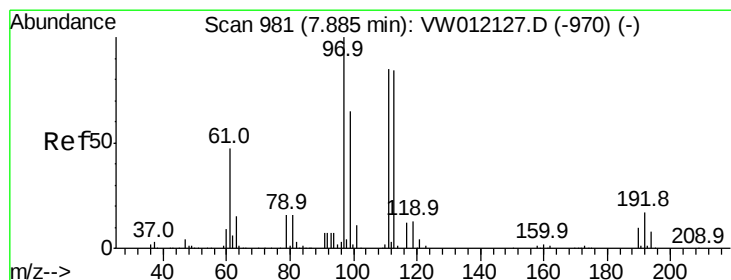
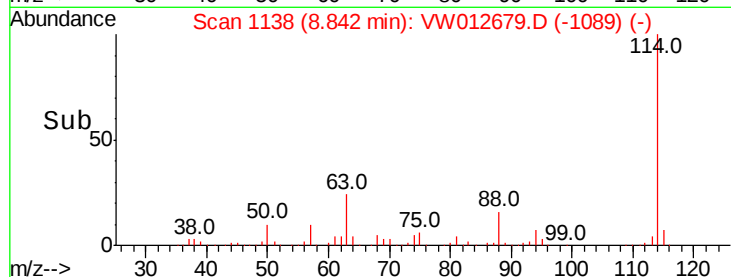
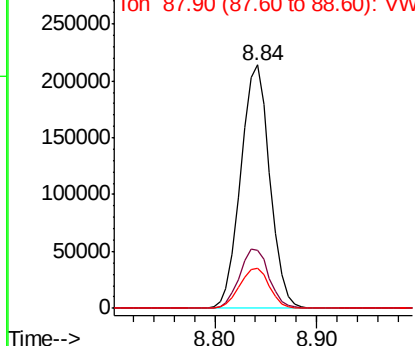
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012679.D
 Acq: 06 Sep 2019 08:39

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.0	0.0	48.6
88	16.5	0.0	32.2

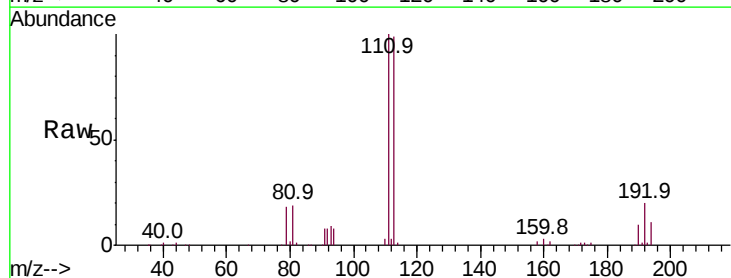


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

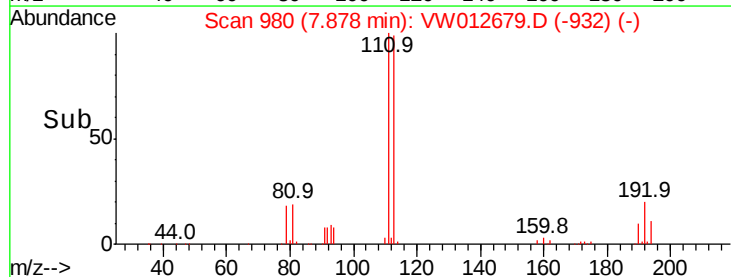
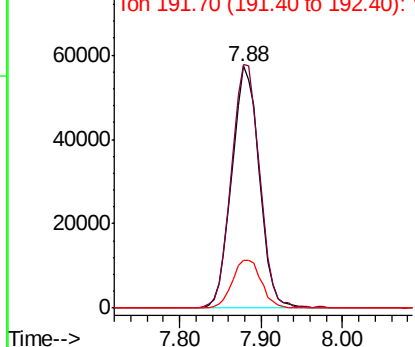


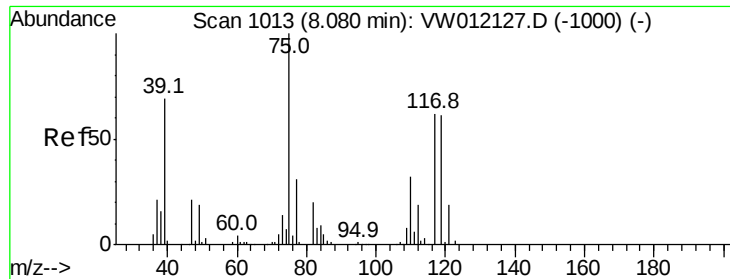
#35
 Dibromofluoromethane
 Concen: 52.601 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012679.D
 Acq: 06 Sep 2019 08:39

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.7	124.1
192	21.0	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

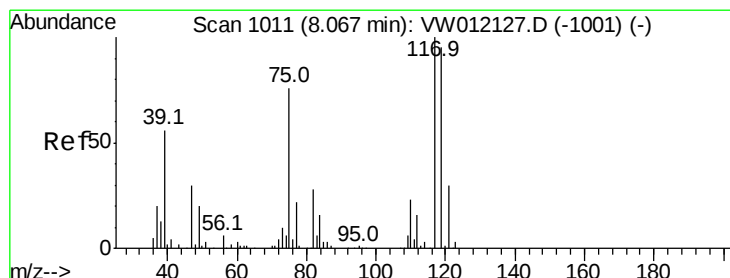
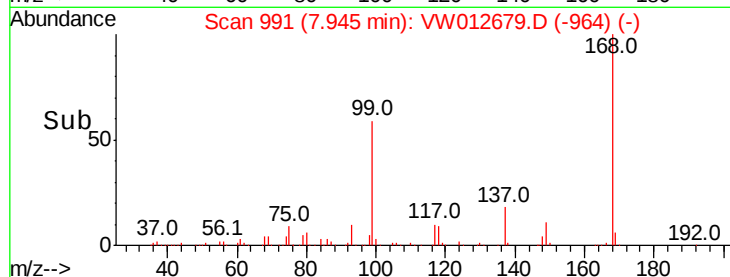
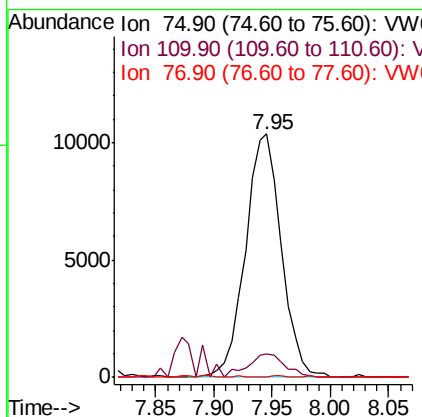
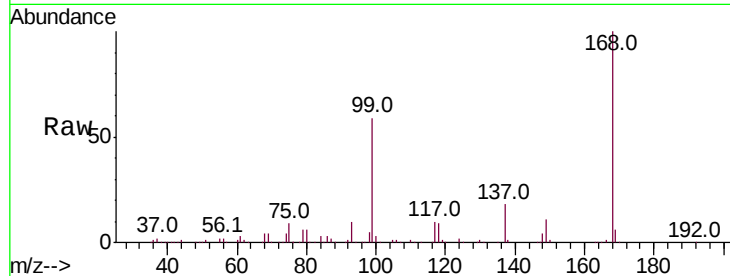




#36
 1,1-Dichloropropene
 Concen: 5.076 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012679.D
 Acq: 06 Sep 2019 08:39

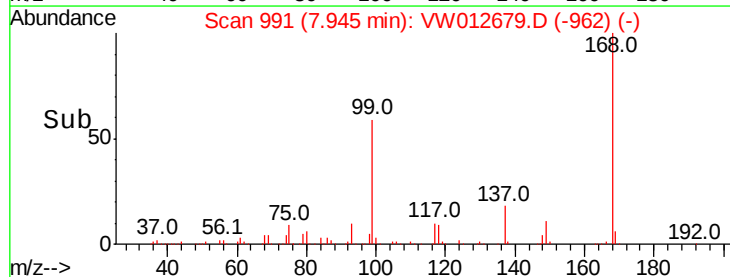
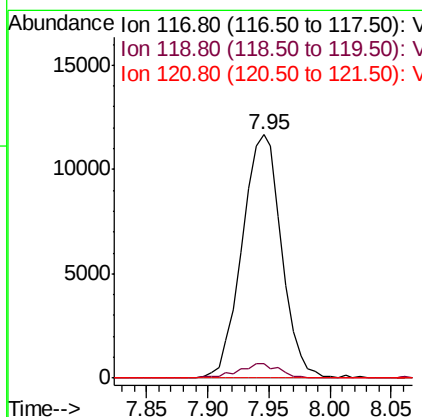
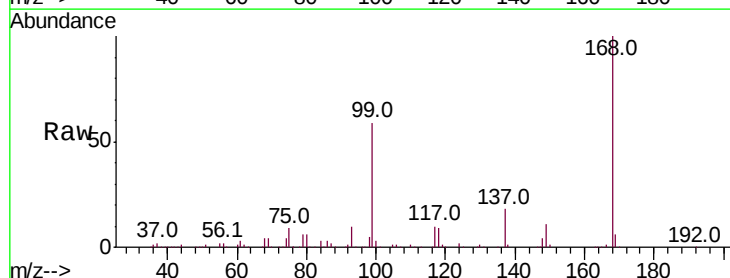
Instrument :
 MSVOA_W
 ClientSampled :

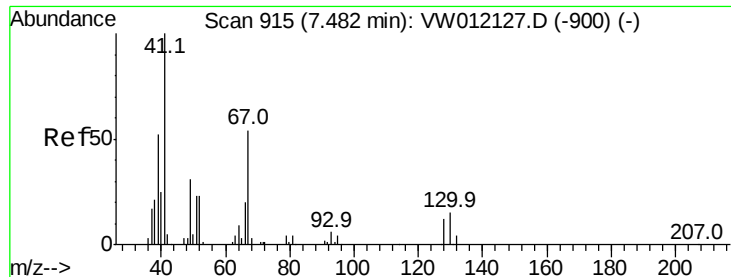
Tot Ion: 75 Resp: 22220
 Ion Ratio Lower Upper
 75 100
 110 9.9 15.6 46.8#
 77 0.2 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.892 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012679.D
 Acq: 06 Sep 2019 08:39

Tgt Ion: 117 Resp: 26115
 Ion Ratio Lower Upper
 117 100
 119 5.7 76.2 114.2#
 121 0.0 23.8 35.8#

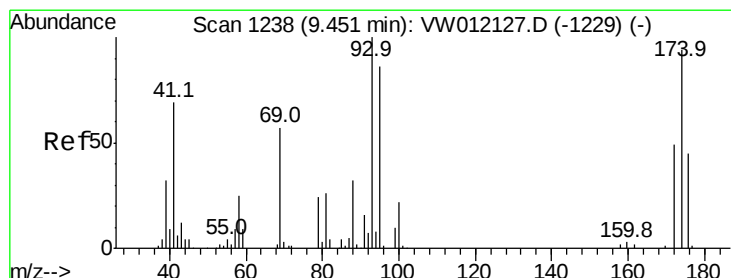
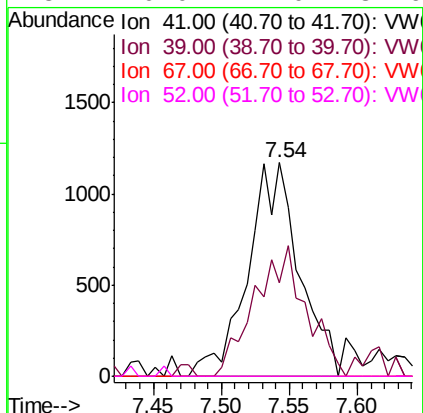
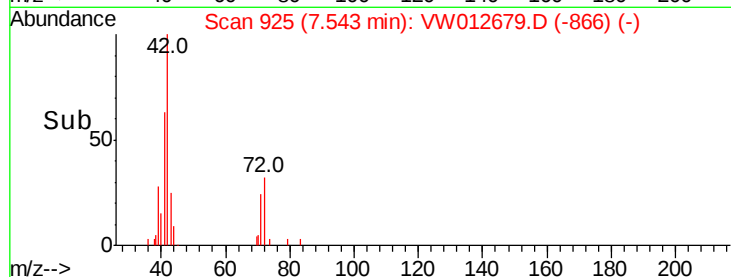
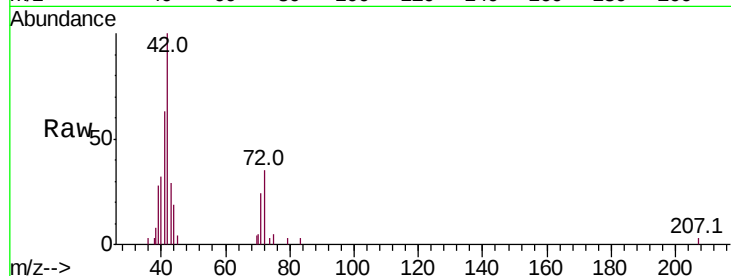




#41
Methacrylonitrile
Concen: 2.196 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.06 min
Lab File: VW012679.D
Acq: 06 Sep 2019 08:39

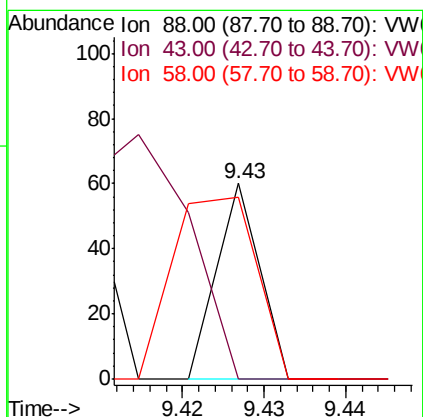
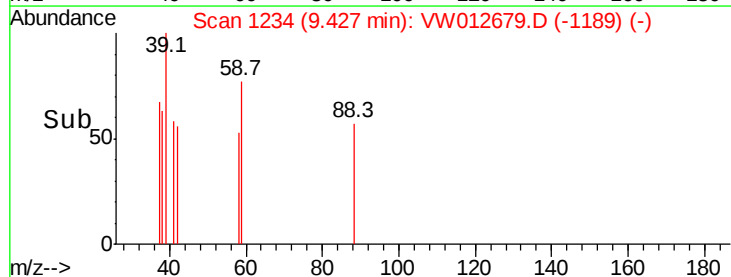
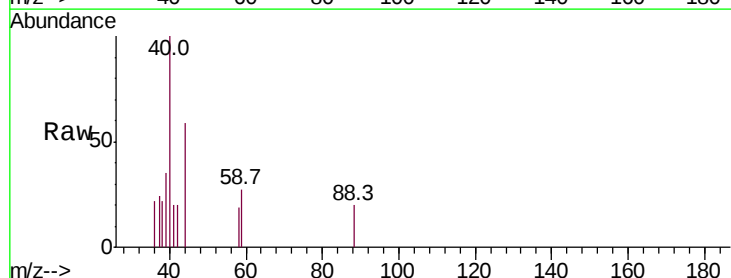
Instrument :
MSVOA_W
ClientSampled :

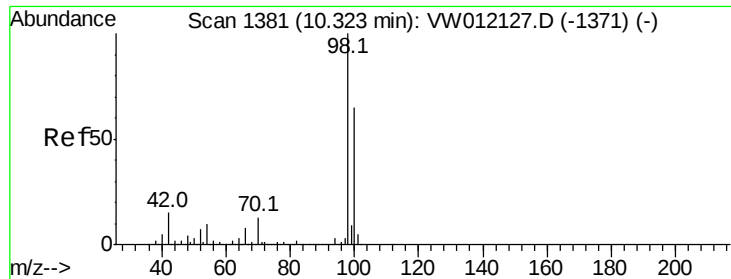
Tot Ion: 41 Resp: 3096
Ion Ratio Lower Upper
41 100
39 60.8 45.8 68.8
67 0.0 46.2 69.4#
52 0.0 21.0 31.6#



#49
1,4-Dioxane
Concen: 1.004 ug/l
RT: 9.43 min Scan# 1234
Delta R.T. -0.02 min
Lab File: VW012679.D
Acq: 06 Sep 2019 08:39

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 32.9 49.3#
58 181.8 71.0 106.4#

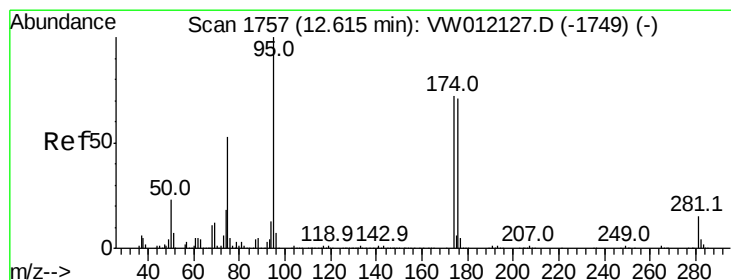
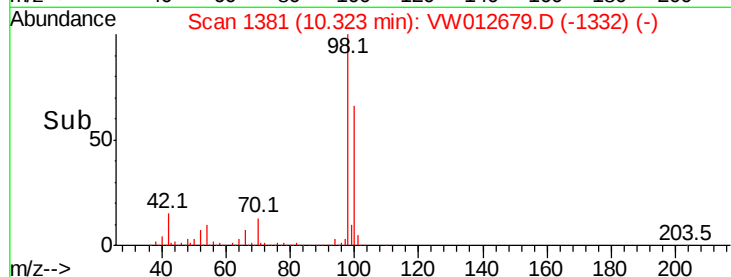
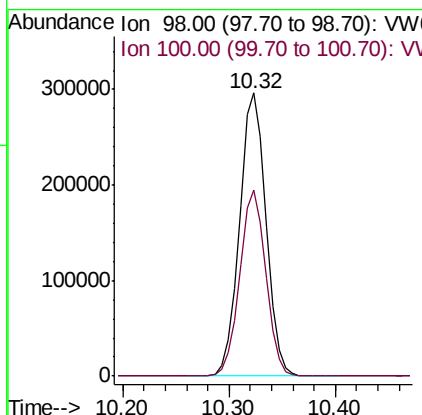
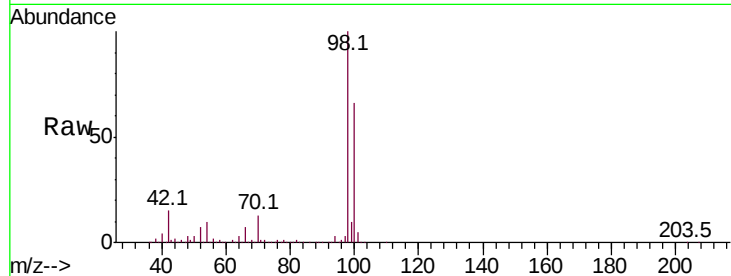




#50
Toluene-d8
Concen: 50.448 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012679.D
Acq: 06 Sep 2019 08:39

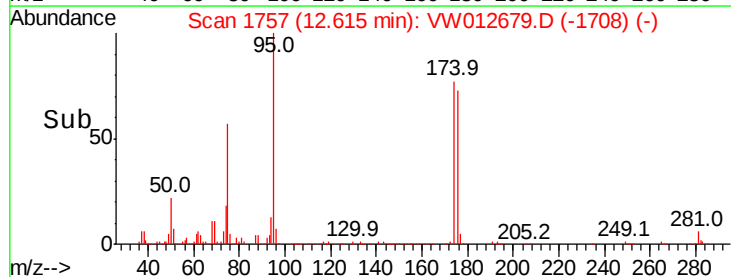
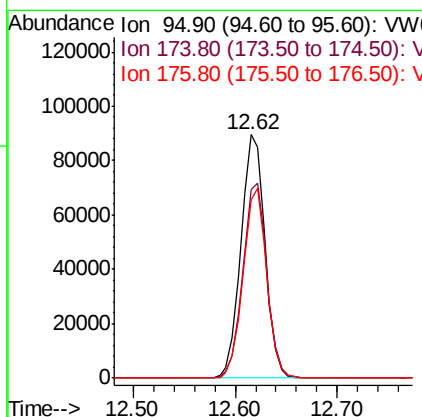
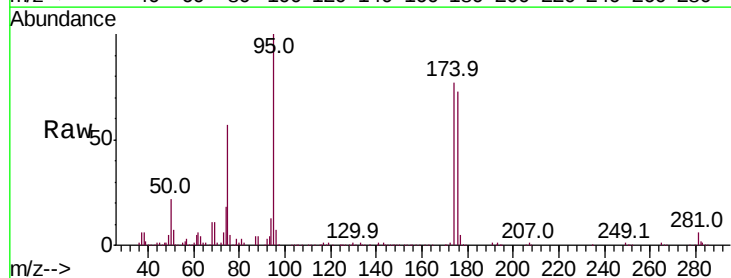
Instrument :
MSVOA_W
ClientSampleId :

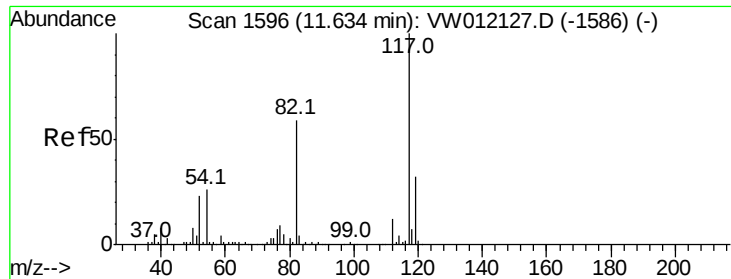
Tot Ion: 98 Resp: 517237
Ion Ratio Lower Upper
98 100
100 64.7 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 40.201 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012679.D
Acq: 06 Sep 2019 08:39

Tgt Ion: 95 Resp: 145292
Ion Ratio Lower Upper
95 100
174 80.1 0.0 150.8
176 77.3 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: VW012679.D

Acq: 06 Sep 2019 08:39

Instrument :

MSVOA_W

ClientSampled :

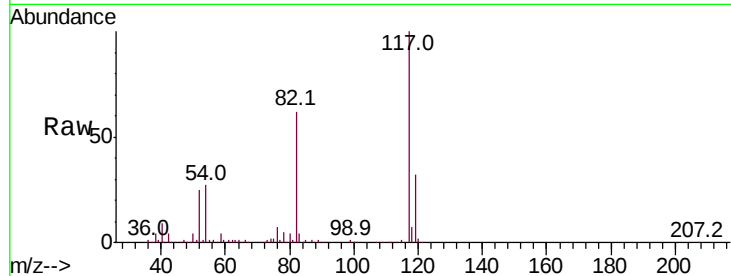
Tot Ion:117 Resp: 339671

Ion Ratio Lower Upper

117 100

82 62.2 47.4 71.2

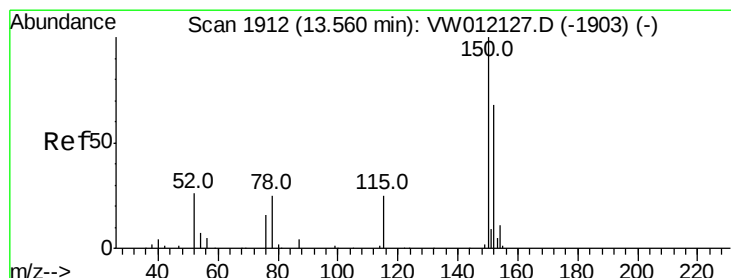
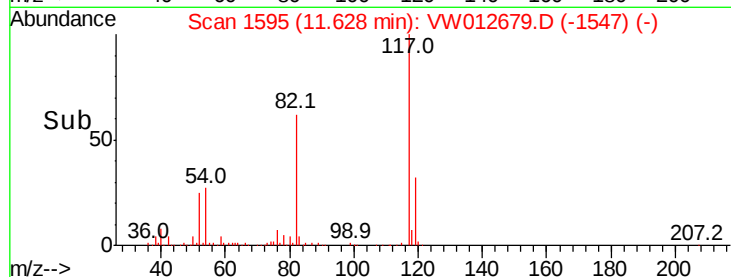
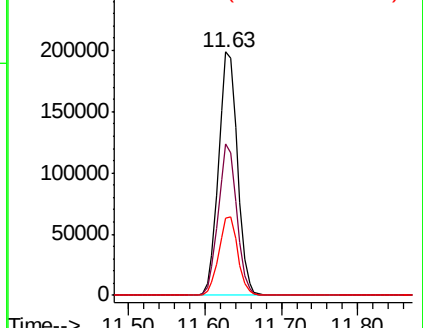
119 32.0 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

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: VW012679.D

Acq: 06 Sep 2019 08:39

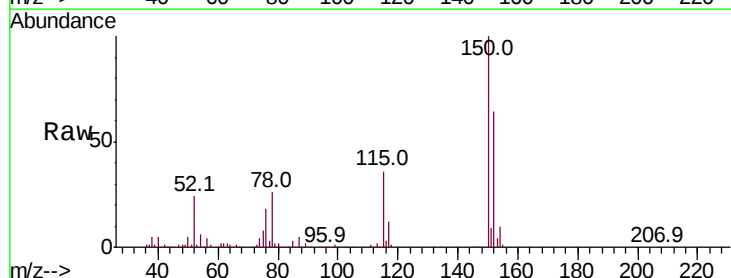
Tgt Ion:152 Resp: 109284

Ion Ratio Lower Upper

152 100

115 60.2 30.1 90.3

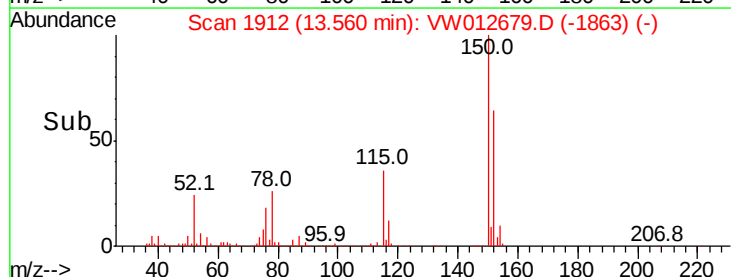
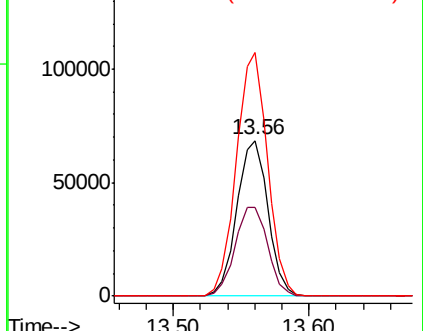
150 156.9 0.0 345.8

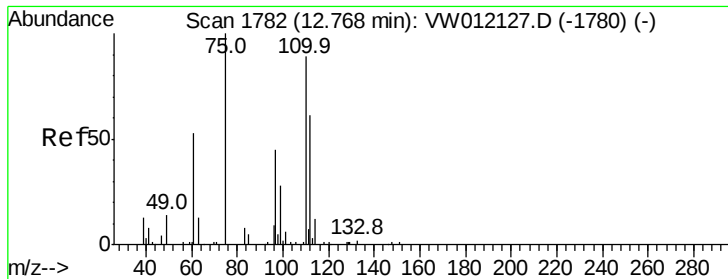


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 75.291 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012679.D

Acq: 06 Sep 2019 08:39

Instrument :

MSVOA_W

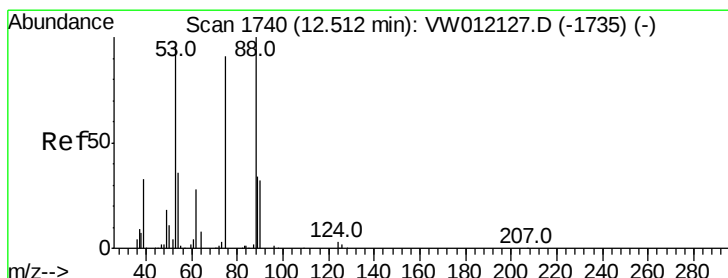
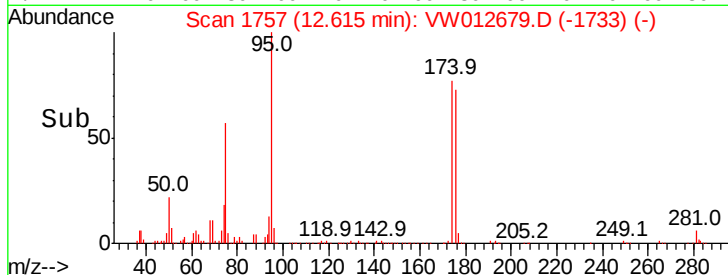
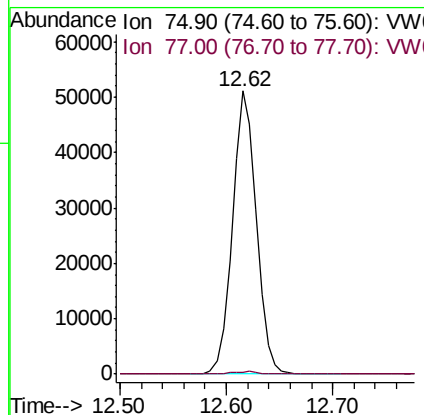
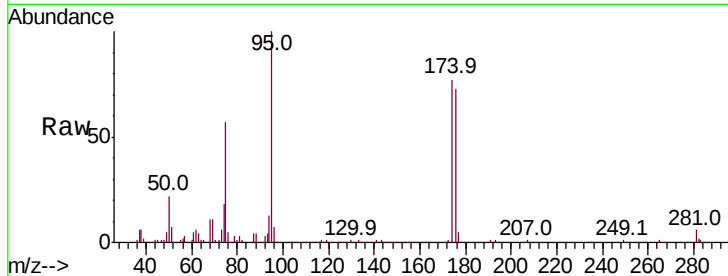
ClientSampleId :

Tot Ion: 75 Resp: 80136

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 165.079 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012679.D

Acq: 06 Sep 2019 08:39

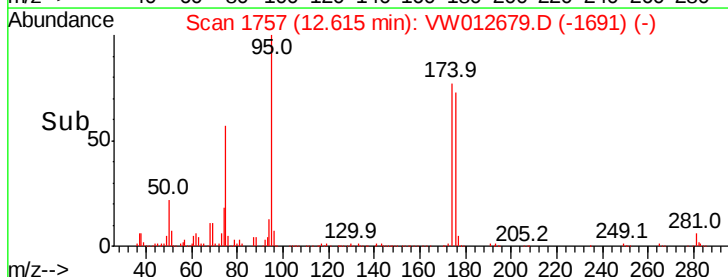
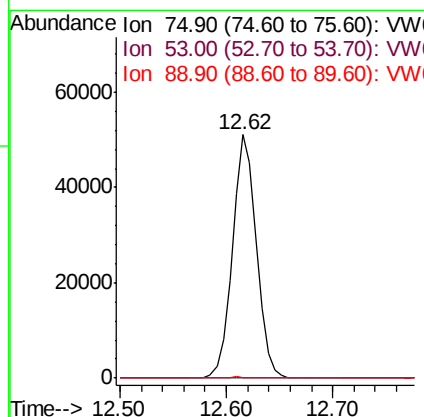
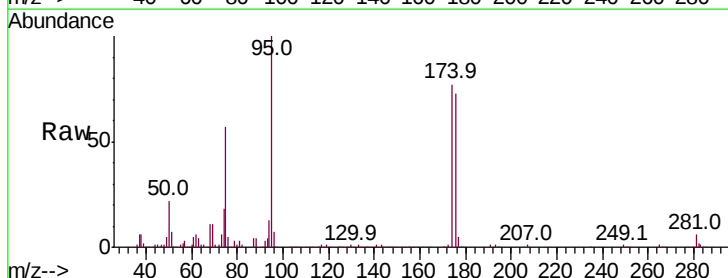
Tgt Ion: 75 Resp: 80136

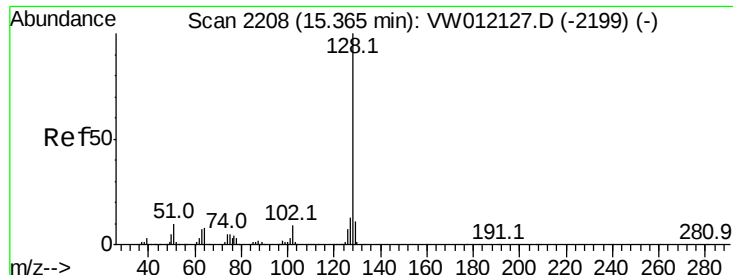
Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

89 0.2 34.5 51.7#





#95

Naphthalene

Concen: 4.363 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012679.D

Acq: 06 Sep 2019 08:39

Instrument :

MSVOA_W

ClientSampleId :

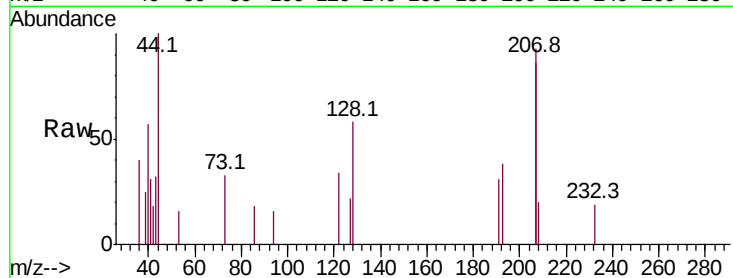
Tot Ion:128 Resp: 188

Ion Ratio Lower Upper

128 100

127 23.9 10.7 16.1#

129 10.1 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

250

200

150

100

50

0

15.35

15.36

15.40

Time-->

