

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090419\
 Data File : VW012627.D
 Acq On : 05 Sep 2019 08:42
 Operator : SY/VA
 Sample : K4547-20
 Misc : 4.40G/5ML/MSVOA W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 05 11:19:45 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

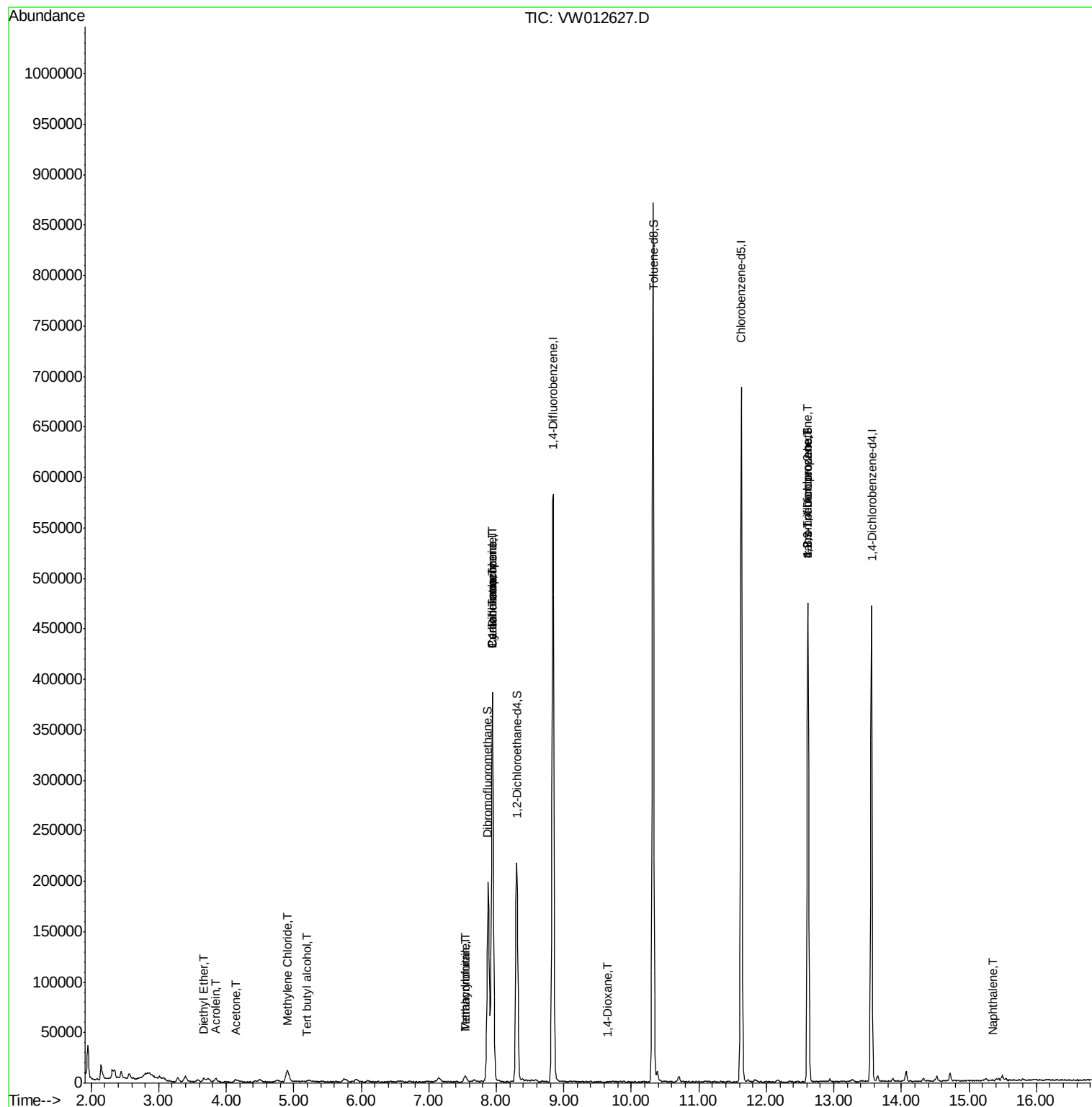
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	283488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	459005	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	361397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	121464	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	183748	54.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.04%	
35) Dibromofluoromethane	7.88	113	142099	51.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.72%	
50) Toluene-d8	10.32	98	548010	49.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.66%	
62) 4-Bromofluorobenzene	12.61	95	152018	38.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.64%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.66	74	2004	1.270	ug/l	75
11) Tert butyl alcohol	5.20	59	369	1.819	ug/l #	23
13) Acrolein	3.84	56	278	1.456	ug/l #	1
16) Acetone	4.13	43	1530	1.776	ug/l #	47
20) Methylene Chloride	4.90	84	8222	2.525	ug/l	95
29) Tetrahydrofuran	7.54	42	4324	6.157	ug/l #	93
31) Cyclohexane	7.95	56	7200	1.186	ug/l #	5
36) 1,1-Dichloropropene	7.95	75	24288	5.121	ug/l #	52
38) Carbon Tetrachloride	7.95	117	28920	7.044	ug/l #	17
41) Methacrylonitrile	7.53	41	3115	2.039	ug/l #	57
49) 1,4-Dioxane	9.66	88	26	1.095	ug/l #	1
76) 1,2,3-Trichloropropane	12.61	75	83838	70.871	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	83838	155.386	ug/l #	6
95) Naphthalene	15.36	128	280	4.377	ug/l #	78

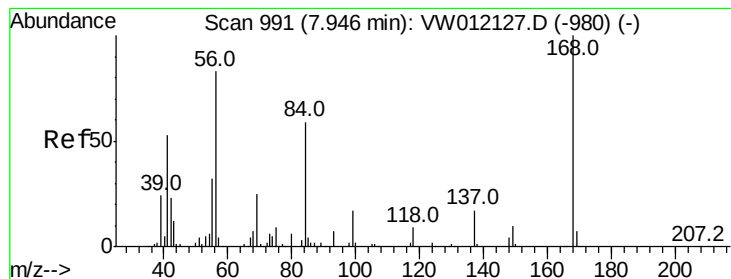
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090419\
Data File : VW012627.D
Acq On : 05 Sep 2019 08:42
Operator : SY/VA
Sample : K4547-20
Misc : 4.40G/5ML/MSVOA W/SOIL
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 05 11:19:45 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: VW012627.D

Acq: 05 Sep 2019 08:42

Instrument :

MSVOA_W

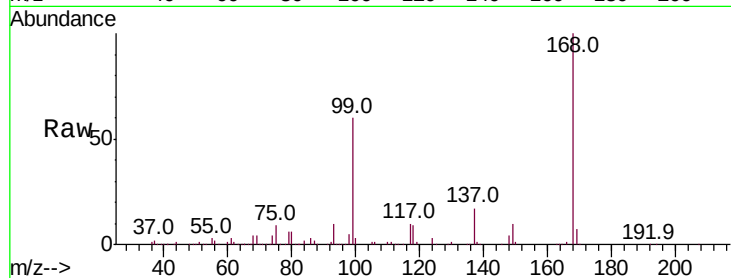
ClientSampleId :

Tot Ion:168 Resp: 283488

Ion Ratio Lower Upper

168 100

99 60.4 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

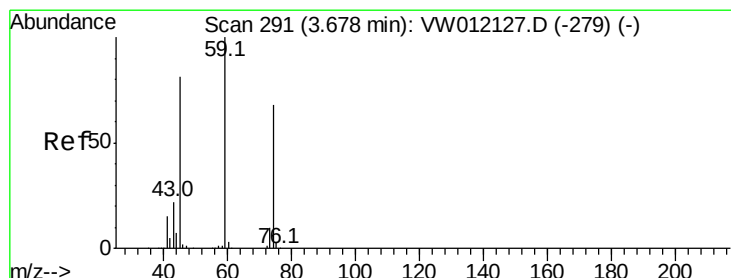
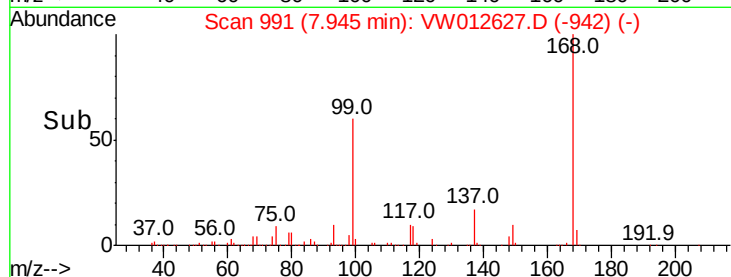
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.270 ug/l

RT: 3.66 min Scan# 288

Delta R.T. -0.02 min

Lab File: VW012627.D

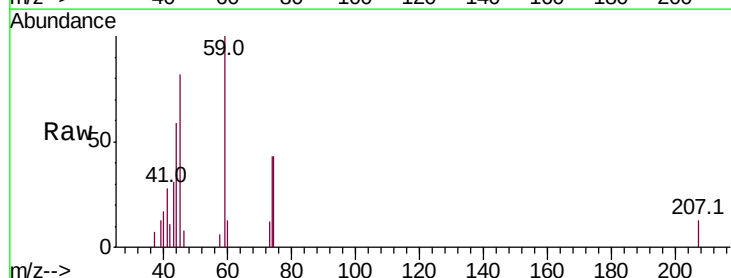
Acq: 05 Sep 2019 08:42

Tgt Ion: 74 Resp: 2004

Ion Ratio Lower Upper

74 100

45 145.5 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.66

1000

800

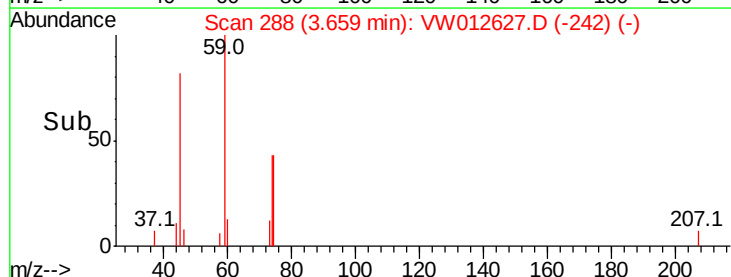
600

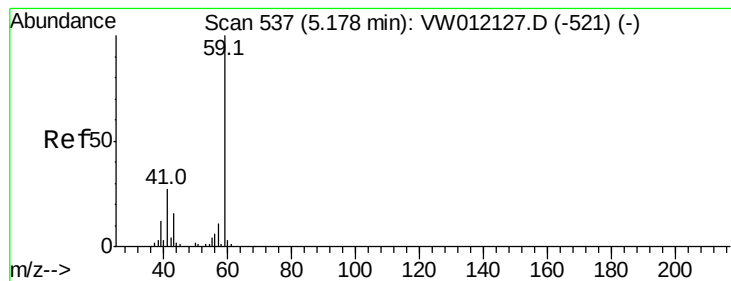
400

200

0

Time--> 3.60 3.65 3.70 3.75



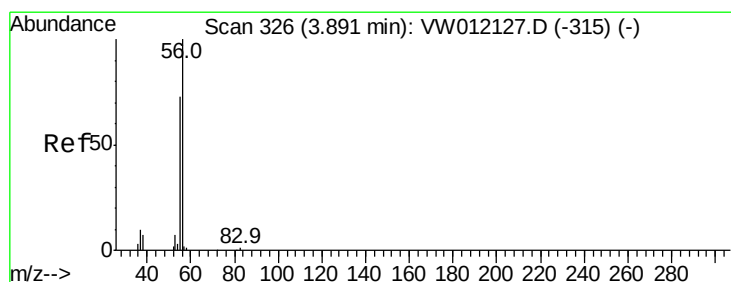
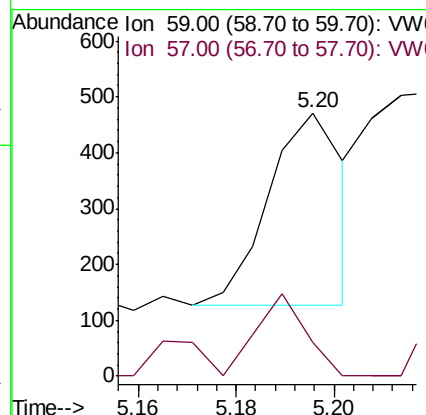
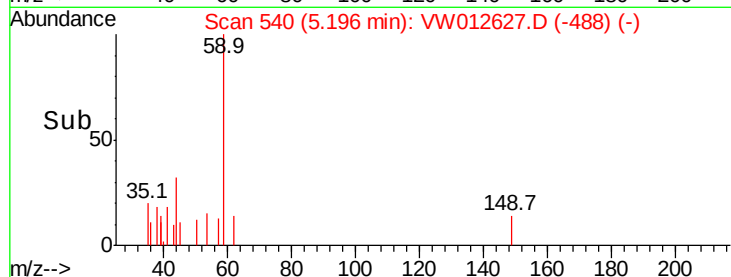
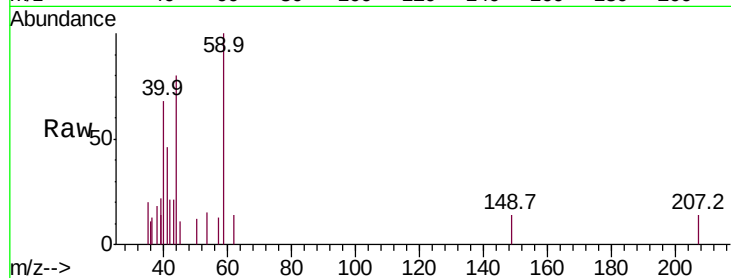


#11

Tert butyl alcohol
Concen: 1.819 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.02 min
Lab File: VW012627.D
Acq: 05 Sep 2019 08:42

Instrument :
MSVOA_W
ClientSampleId :

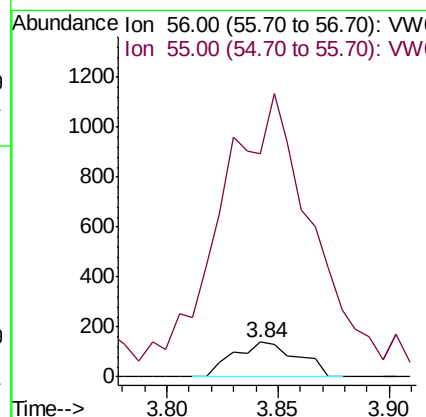
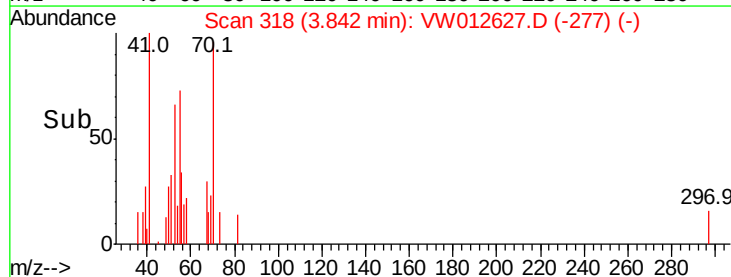
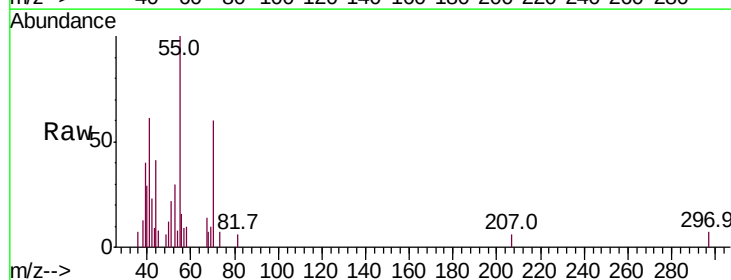
Tot Ion: 59 Resp: 369
Ion Ratio Lower Upper
59 100
57 40.4 9.0 13.4#

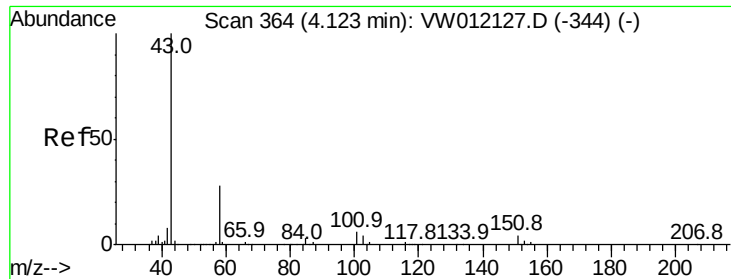


#13

Acrolein
Concen: 1.456 ug/l
RT: 3.84 min Scan# 318
Delta R.T. -0.05 min
Lab File: VW012627.D
Acq: 05 Sep 2019 08:42

Tgt Ion: 56 Resp: 278
Ion Ratio Lower Upper
56 100
55 1080.6 55.8 83.8#





#16

Acetone

Concen: 1.776 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW012627.D

Acq: 05 Sep 2019 08:42

Instrument :

MSVOA_W

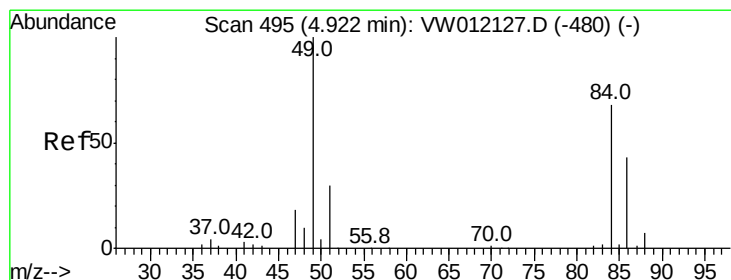
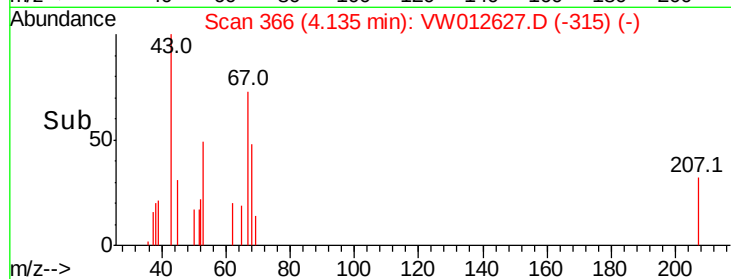
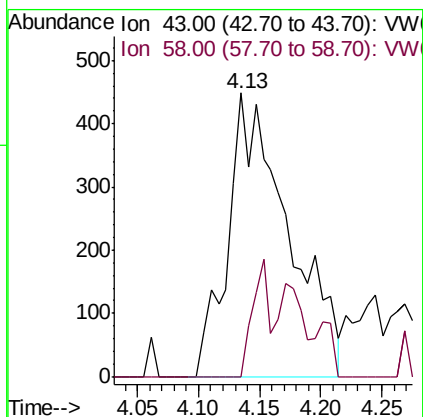
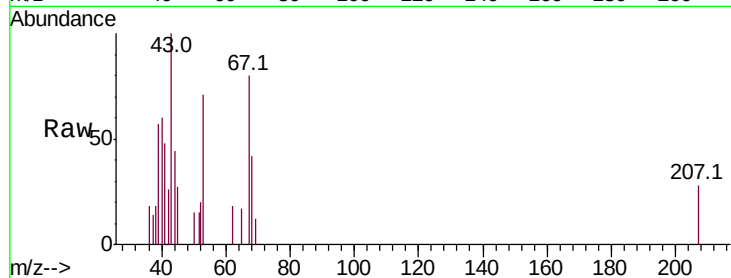
ClientSampled :

Tot Ion: 43 Resp: 1530

Ion Ratio Lower Upper

43 100

58 0.0 22.4 33.6#



#20

Methylene Chloride

Concen: 2.525 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW012627.D

Acq: 05 Sep 2019 08:42

Tgt Ion: 84 Resp: 8222

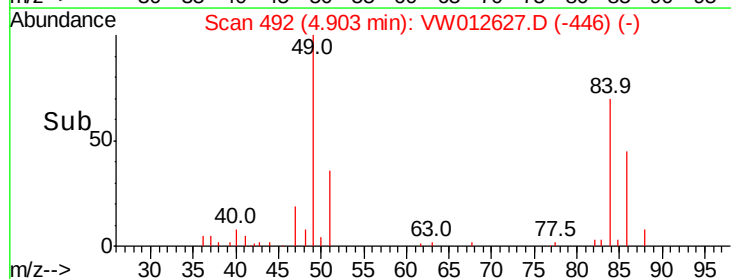
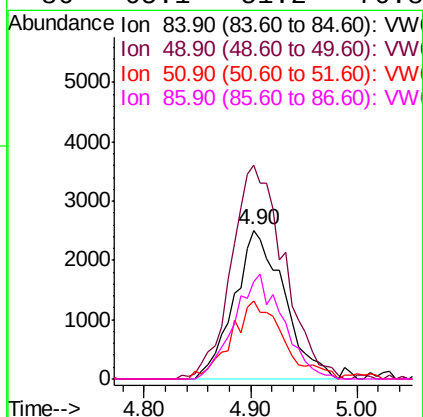
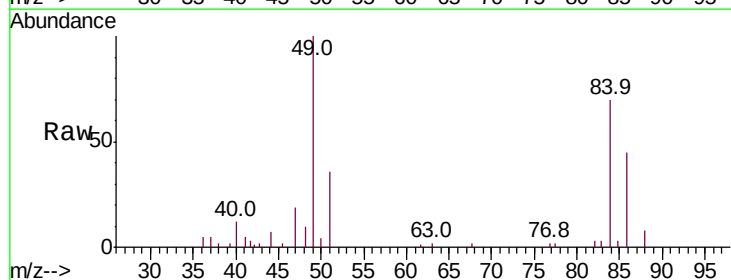
Ion Ratio Lower Upper

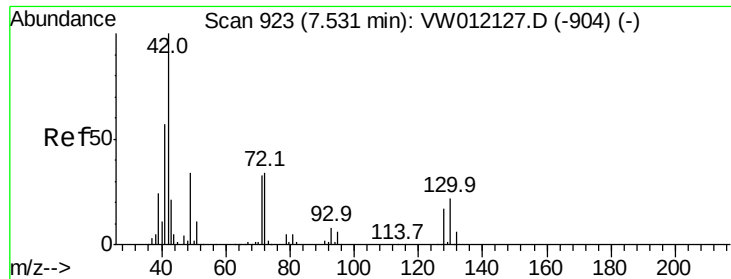
84 100

49 141.3 117.8 176.8

51 52.2 35.6 53.4

86 65.1 51.2 76.8

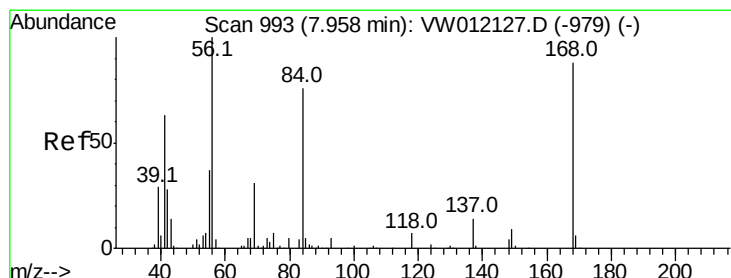
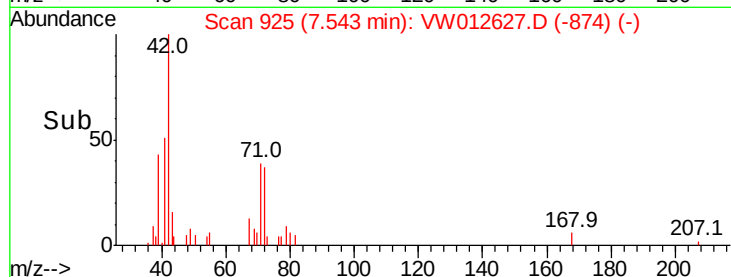
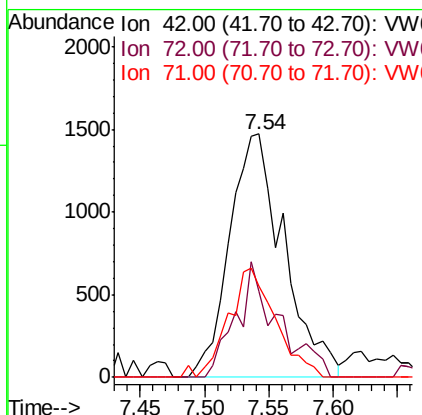
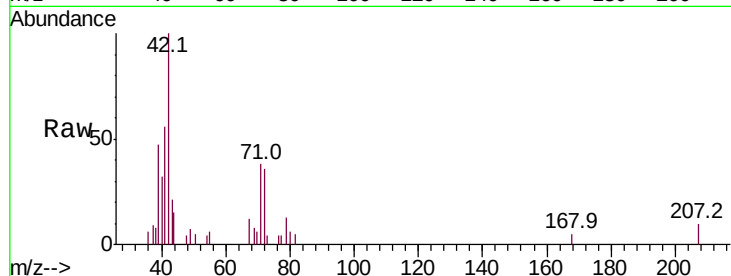




#29
Tetrahydrofuran
Concen: 6.157 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012627.D
Acq: 05 Sep 2019 08:42

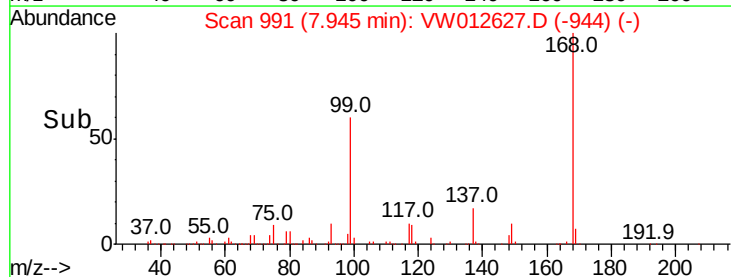
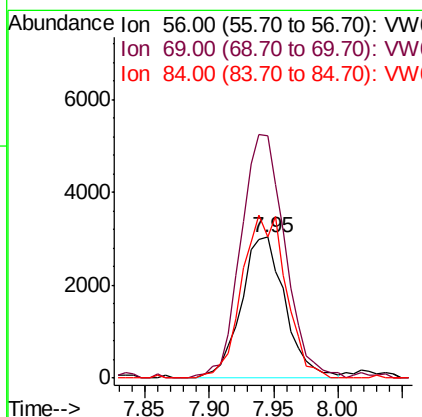
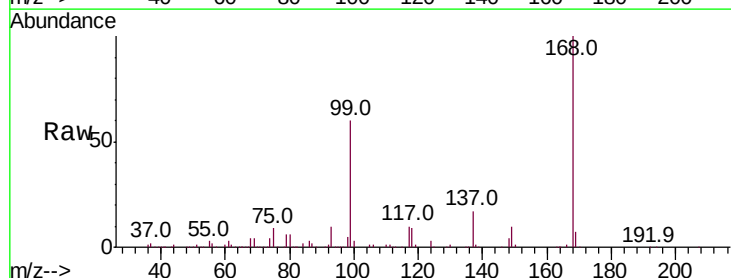
Instrument :
MSVOA_W
ClientSampled :

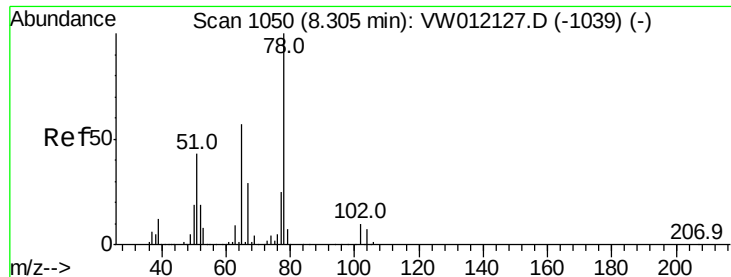
Tot Ion: 42 Resp: 4324
Ion Ratio Lower Upper
42 100
72 32.8 27.3 40.9
71 38.9 25.5 38.3#



#31
Cyclohexane
Concen: 1.186 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012627.D
Acq: 05 Sep 2019 08:42

Tgt Ion: 56 Resp: 7200
Ion Ratio Lower Upper
56 100
69 172.7 24.9 37.3#
84 100.2 60.6 90.8#

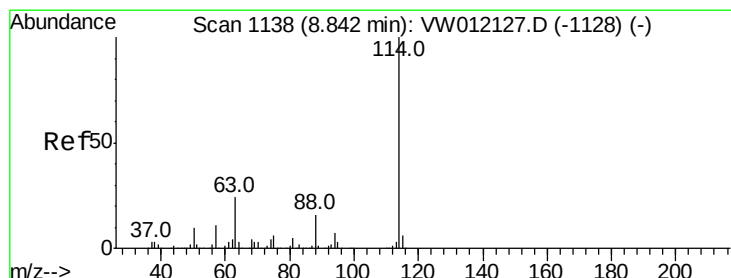
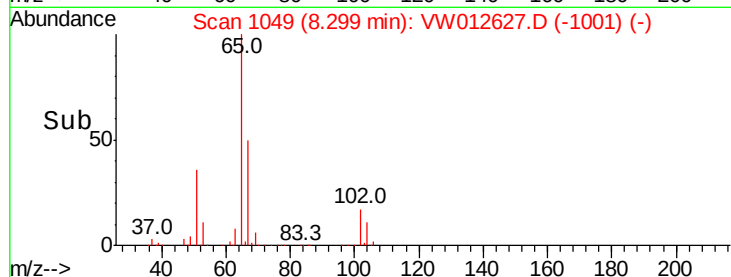
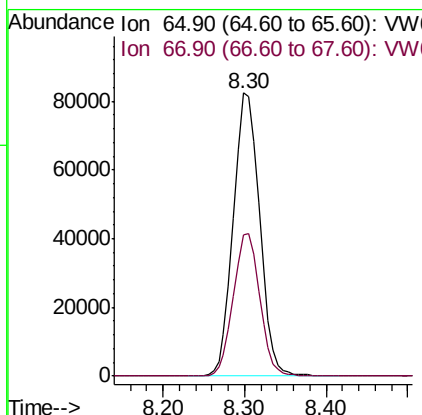
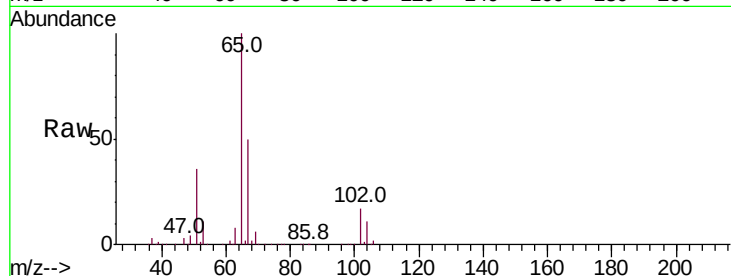




#33
 1,2-Dichloroethane-d4
 Concen: 54.525 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012627.D
 Acq: 05 Sep 2019 08:42

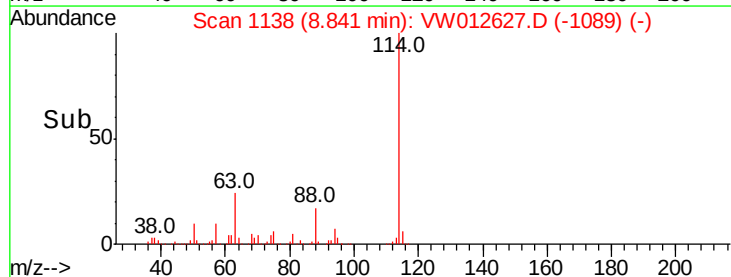
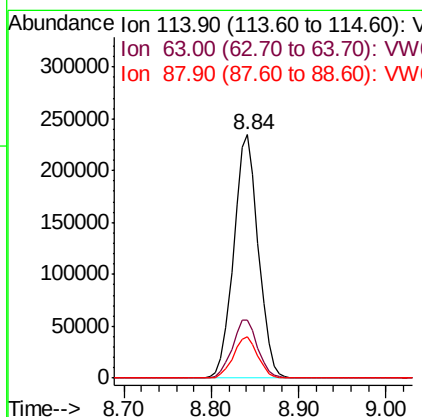
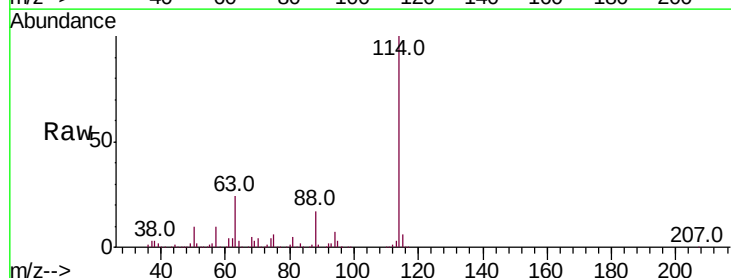
Instrument :
 MSVOA_W
 ClientSampleId :

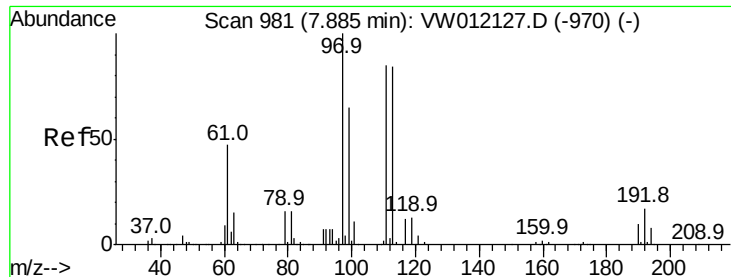
Tot Ion: 65 Resp: 183748
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012627.D
 Acq: 05 Sep 2019 08:42

Tgt Ion: 114 Resp: 459005
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 48.6
 88 16.8 0.0 32.2

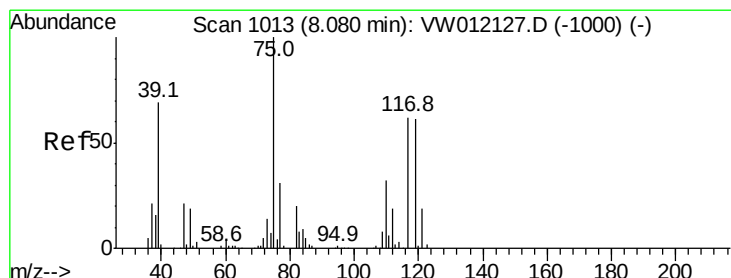
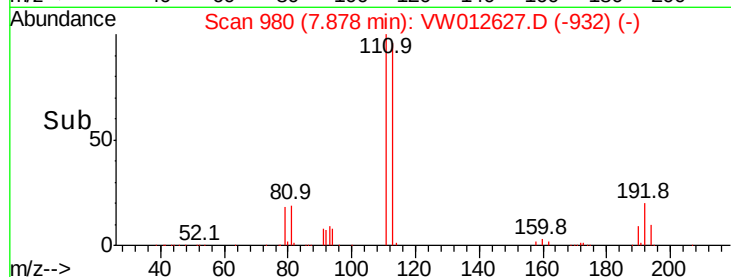
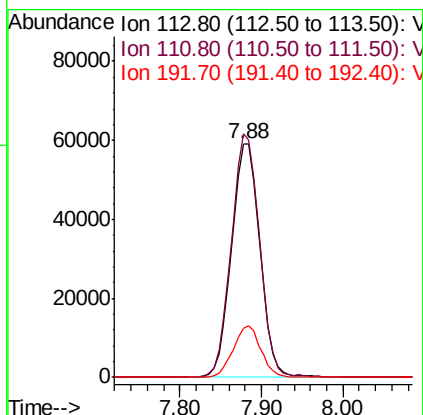
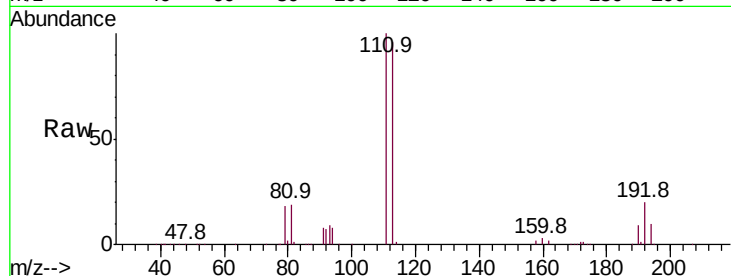




#35
 Dibromofluoromethane
 Concen: 51.864 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012627.D
 Acq: 05 Sep 2019 08:42

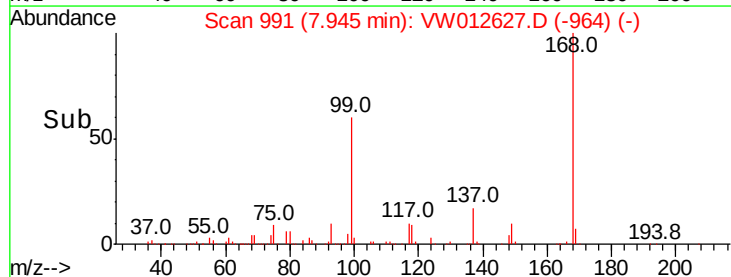
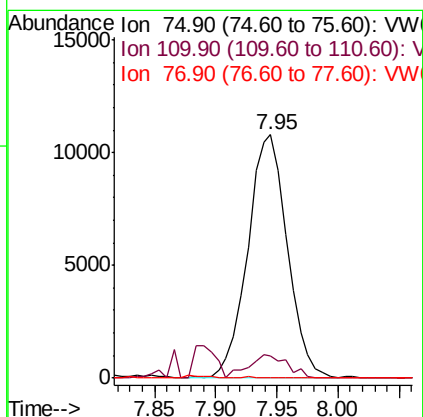
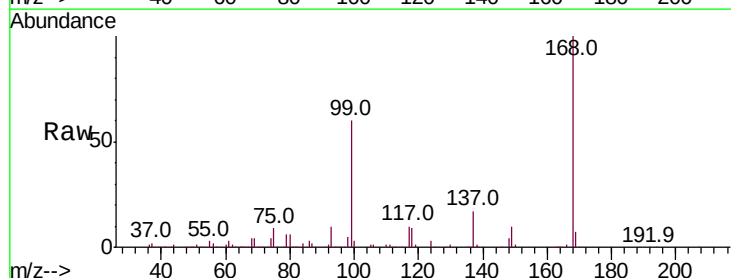
Instrument :
 MSVOA_W
 ClientSampleId :

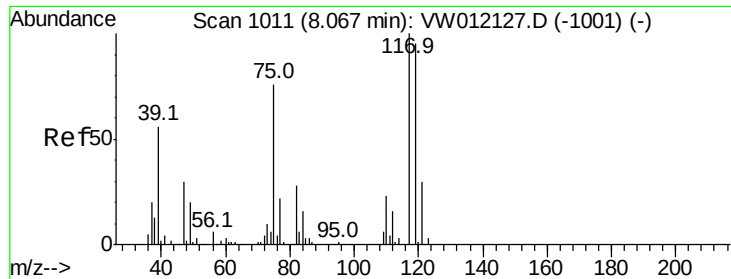
Tot Ion:113 Resp: 142099
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.7 124.1
 192 21.3 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.121 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012627.D
 Acq: 05 Sep 2019 08:42

Tgt Ion: 75 Resp: 24288
 Ion Ratio Lower Upper
 75 100
 110 9.3 15.6 46.8#
 77 0.1 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 7.044 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012627.D

Acq: 05 Sep 2019 08:42

Instrument :
MSVOA_W
ClientSampleId :

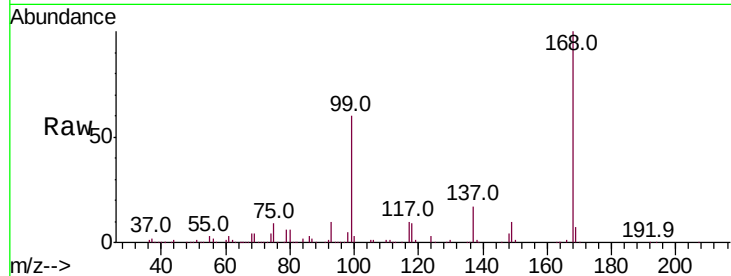
Tot Ion:117 Resp: 28920

Ion Ratio Lower Upper

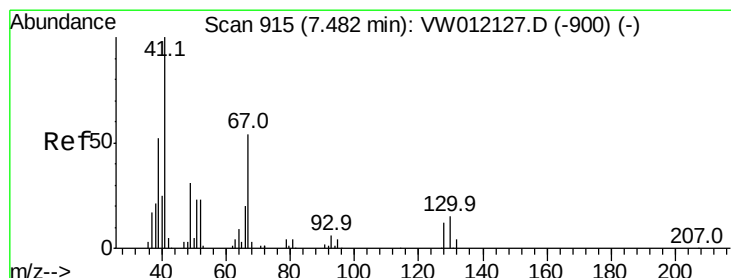
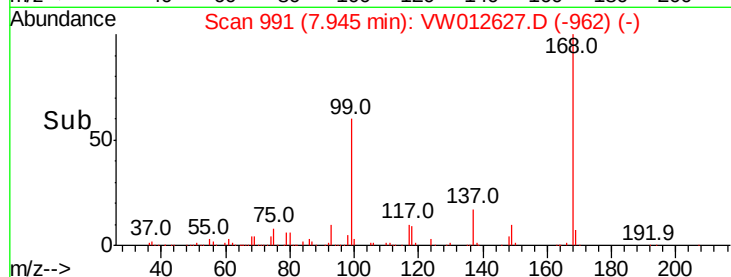
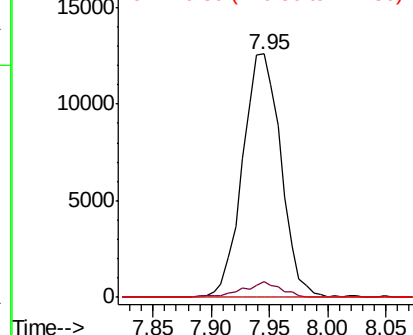
117 100

119 6.4 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: 2.039 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012627.D

Acq: 05 Sep 2019 08:42

Tgt Ion: 41 Resp: 3115

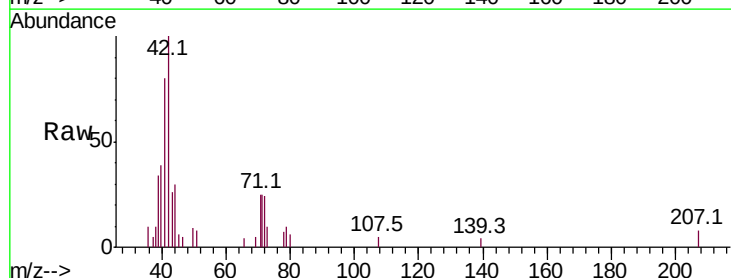
Ion Ratio Lower Upper

41 100

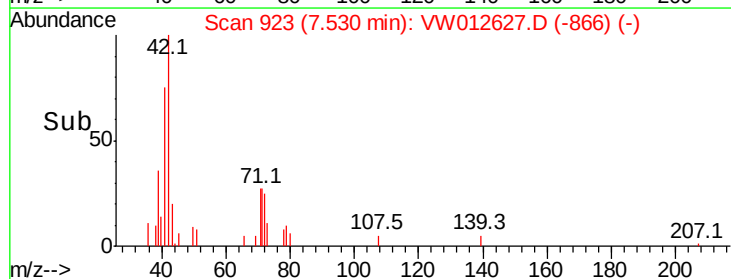
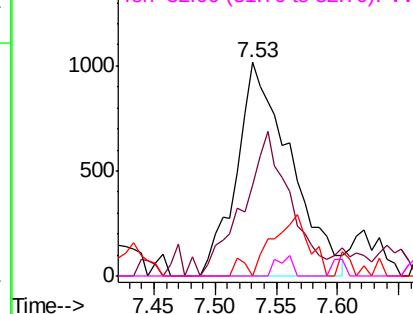
39 59.4 45.8 68.8

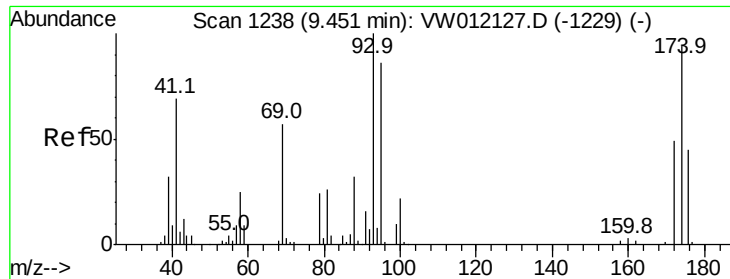
67 0.0 46.2 69.4#

52 0.0 21.0 31.6#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW





#49

1,4-Dioxane

Concen: 1.095 ug/l

RT: 9.66 min Scan# 1272

Delta R.T. 0.21 min

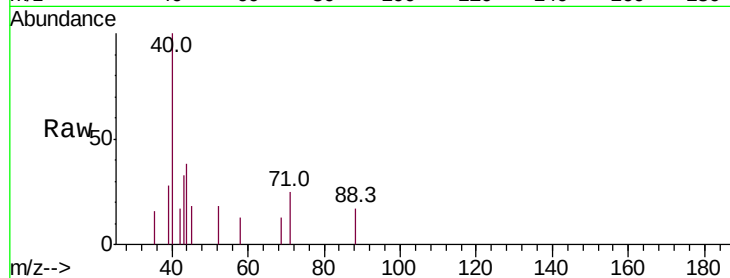
Lab File: VW012627.D

Acq: 05 Sep 2019 08:42

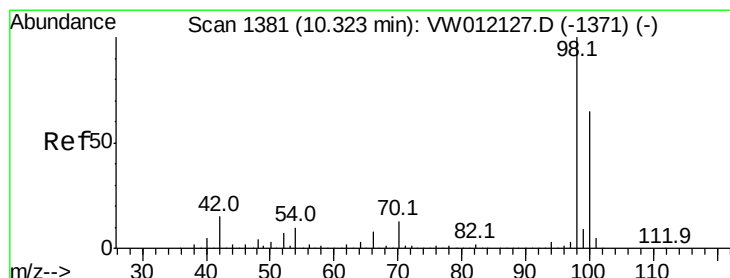
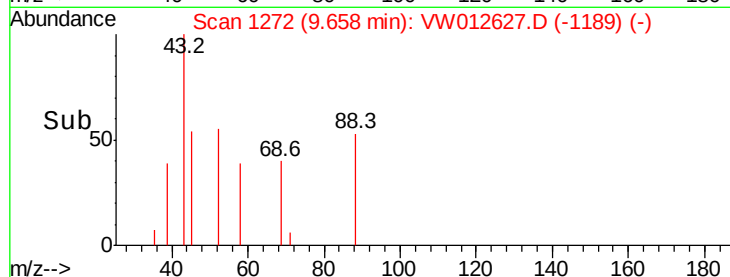
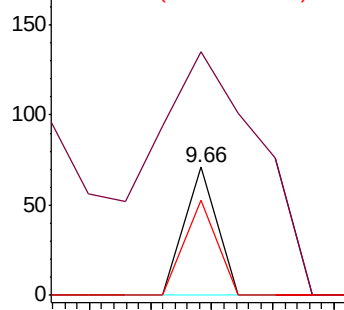
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 26

Ion	Ratio	Lower	Upper
88	100		
43	573.1	32.9	49.3#
58	73.1	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: 49.330 ug/l

RT: 10.32 min Scan# 1381

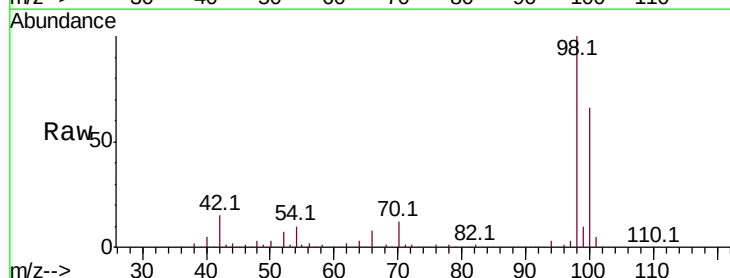
Delta R.T. -0.00 min

Lab File: VW012627.D

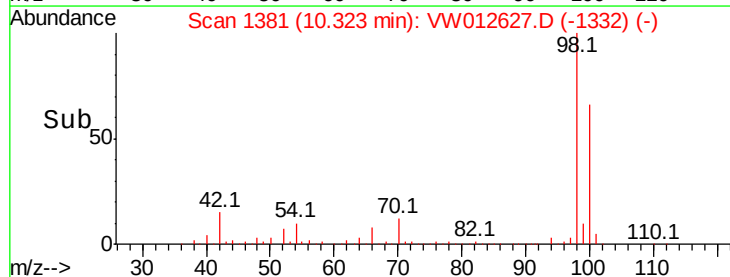
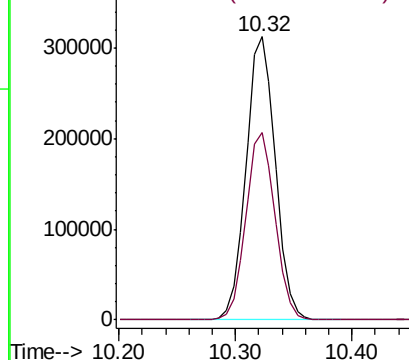
Acq: 05 Sep 2019 08:42

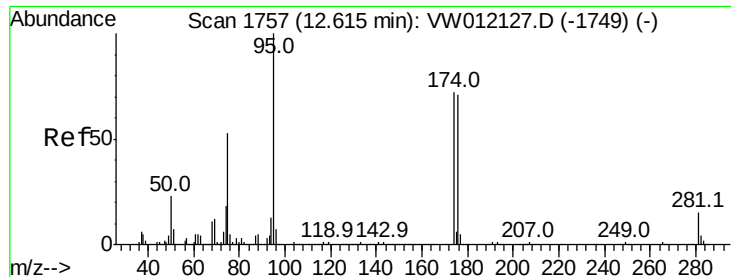
Tgt Ion: 98 Resp: 548010

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.4	78.6



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

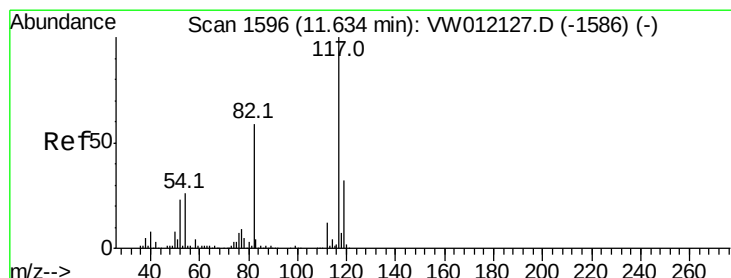
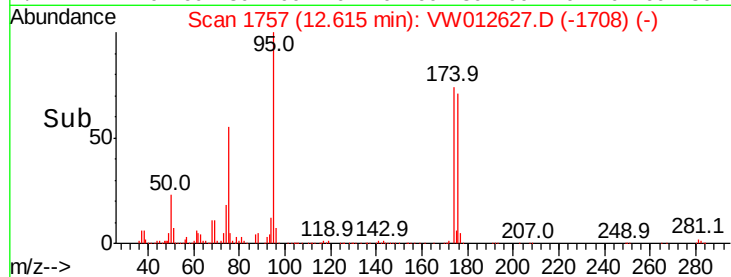
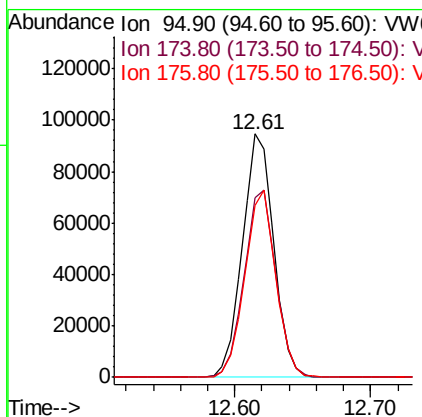
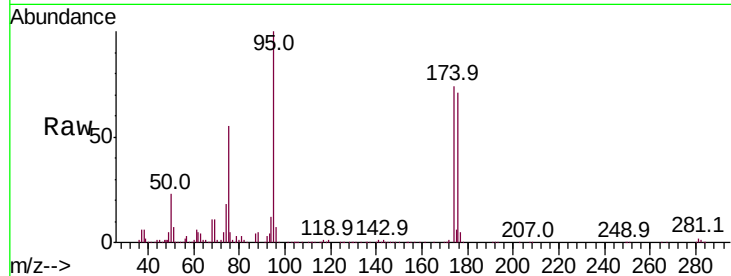




#62
4-Bromofluorobenzene
Concen: 38.820 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012627.D
Acq: 05 Sep 2019 08:42

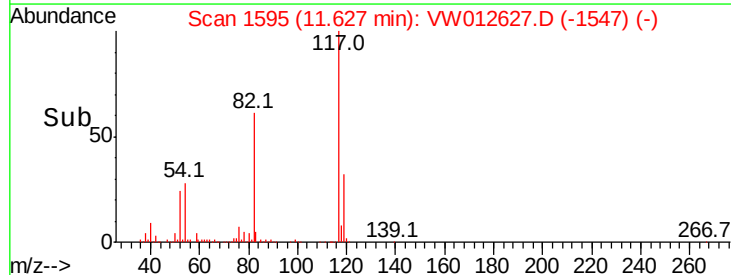
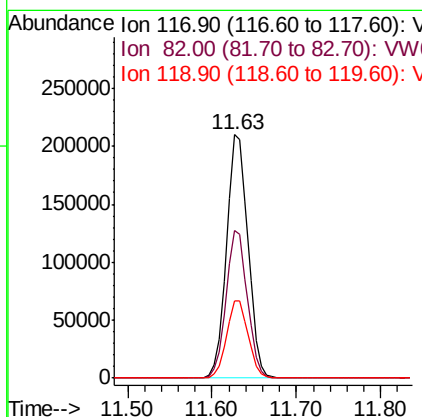
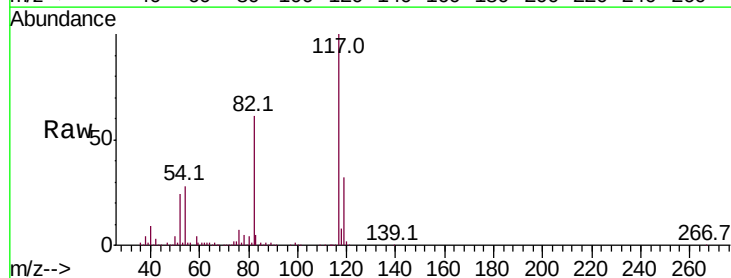
Instrument :
MSVOA_W
ClientSampleId :

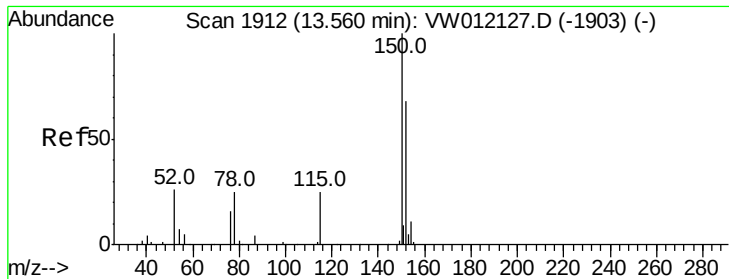
Tot Ion	Ratio	Lower	Upper
95	100		
174	78.3	0.0	150.8
176	76.1	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012627.D
Acq: 05 Sep 2019 08:42

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.8	47.4	71.2
119	31.8	25.4	38.2

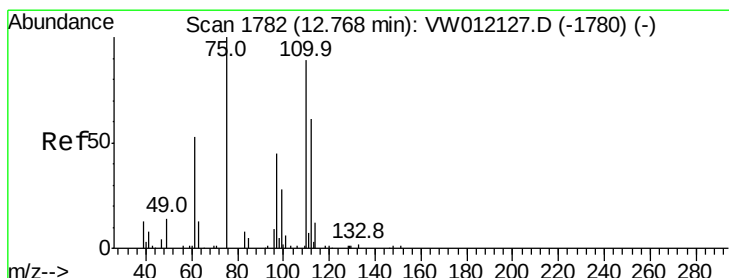
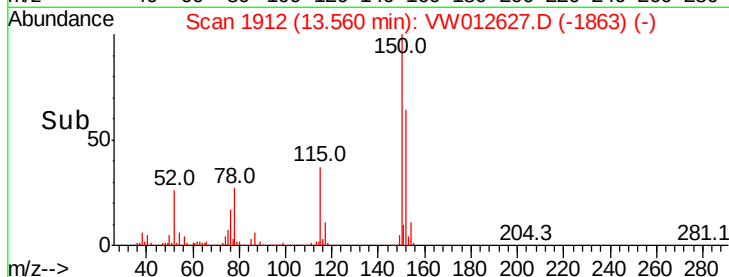
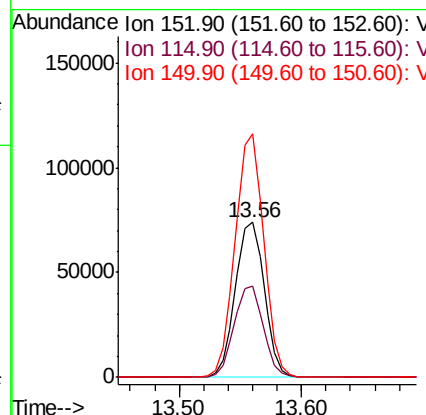
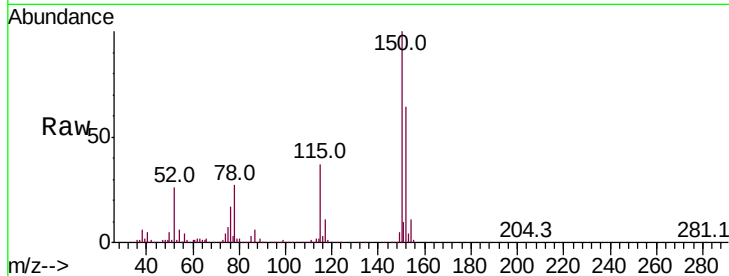




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW012627.D
 Acq: 05 Sep 2019 08:42

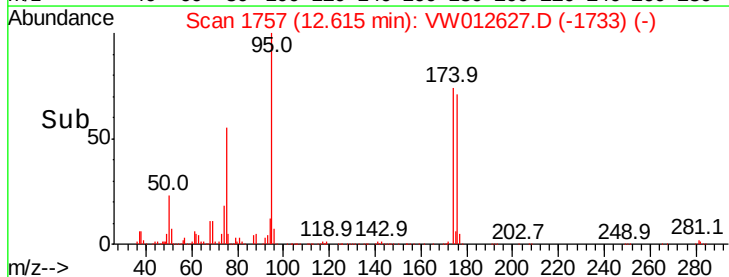
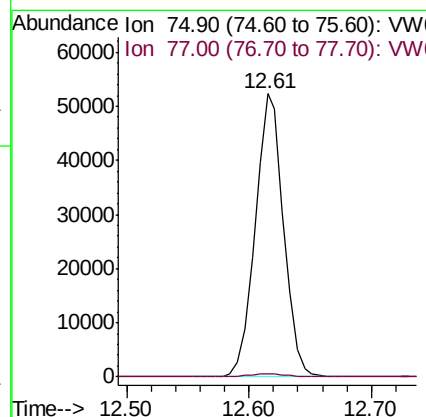
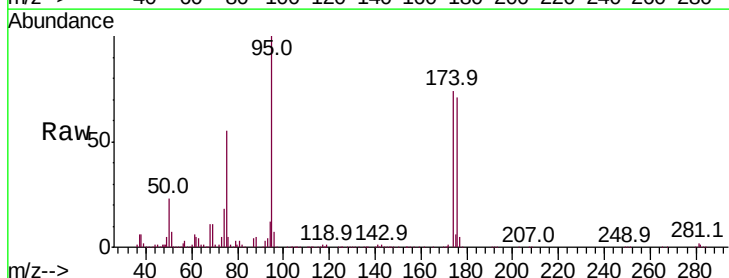
Instrument :
 MSVOA_W
 ClientSampled :

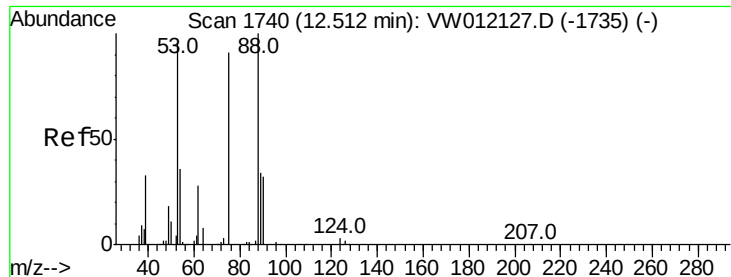
Tot Ion	Ratio	Lower	Upper
152	100		
115	59.0	30.1	90.3
150	154.7	0.0	345.8



#76
 1,2,3-Trichloropropane
 Concen: 70.871 ug/l
 RT: 12.61 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012627.D
 Acq: 05 Sep 2019 08:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#

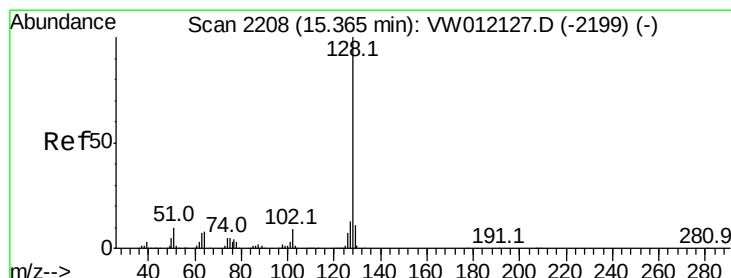
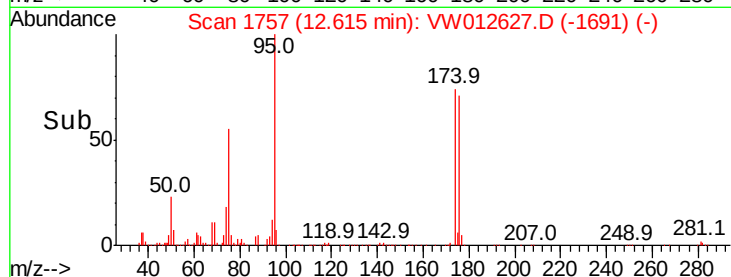
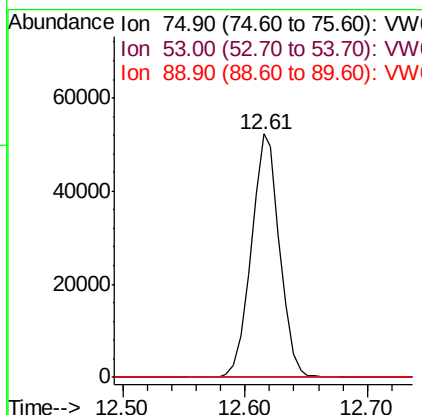
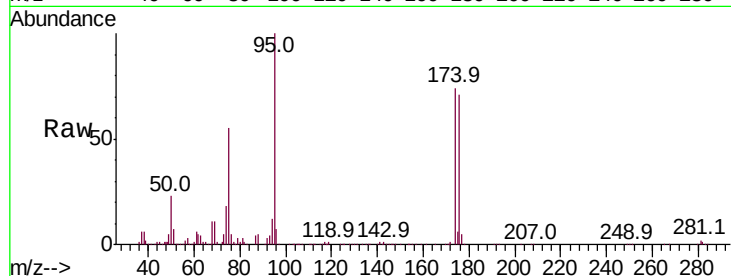




#81
trans-1,4-Dichloro-2-butene
Concen: 155.386 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012627.D
Acq: 05 Sep 2019 08:42

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.1	89.4	134.0#
89	0.0	34.5	51.7#



#95
Naphthalene
Concen: 4.377 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012627.D
Acq: 05 Sep 2019 08:42

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	13.6	8.7	13.1#

