

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083119\
 Data File : VW012396.D
 Acq On : 31 Aug 2019 13:26
 Operator : SY/VA
 Sample : K4493-18
 Misc : 6.33G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 31 17:18:46 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

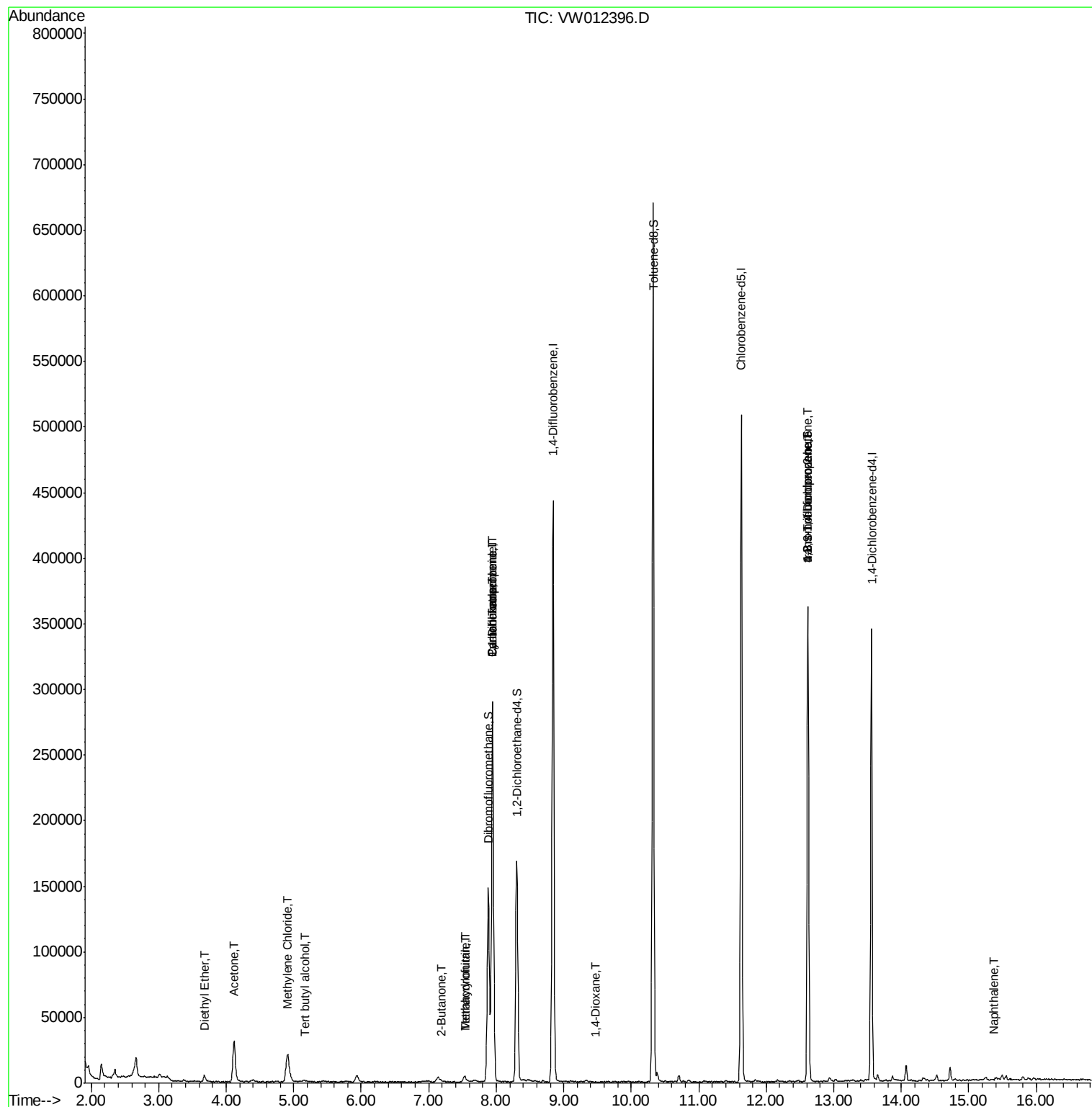
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	206546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	338581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	265443	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	85108	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	136677	55.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.34%	
35) Dibromofluoromethane	7.88	113	106059	52.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.96%	
50) Toluene-d8	10.32	98	411771	50.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.62	95	112086	38.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.60%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	2221	1.932	ug/l	89
11) Tert butyl alcohol	5.17	59	1998	13.522	ug/l	94
16) Acetone	4.12	43	55577	88.550	ug/l	98
20) Methylene Chloride	4.90	84	15401	6.491	ug/l	96
25) 2-Butanone	7.19	43	1160	1.360	ug/l #	91
29) Tetrahydrofuran	7.54	42	4326	8.454	ug/l	98
31) Cyclohexane	7.95	56	5428	1.227	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	17984	5.140	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21315	7.039	ug/l #	16
41) Methacrylonitrile	7.54	41	2497	2.216	ug/l #	58
49) 1,4-Dioxane	9.47	88	22	1.256	ug/l #	3
76) 1,2,3-Trichloropropane	12.62	75	61294	73.947	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	61294	162.131	ug/l #	6
95) Naphthalene	15.36	128	316	4.411	ug/l #	69

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

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QLast Update : Mon Aug 26 07:18:31 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012396.D

Acq: 31 Aug 2019 13:26

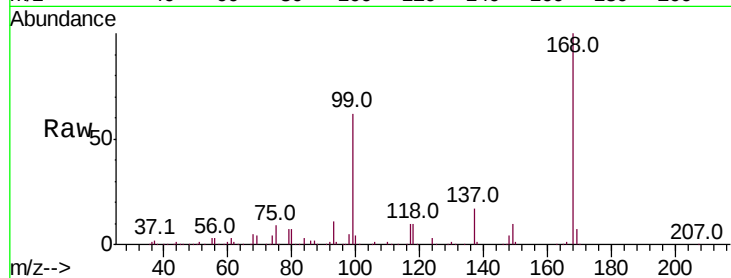
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 206546

Ion Ratio Lower Upper

168 100

99 62.3 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

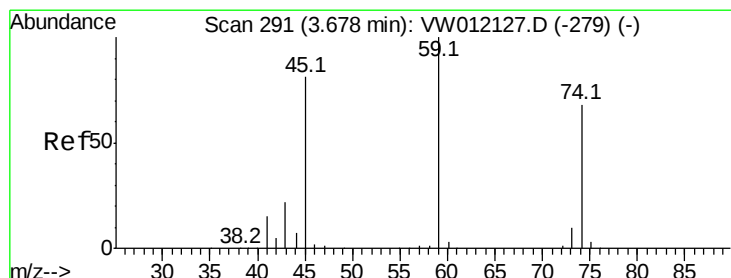
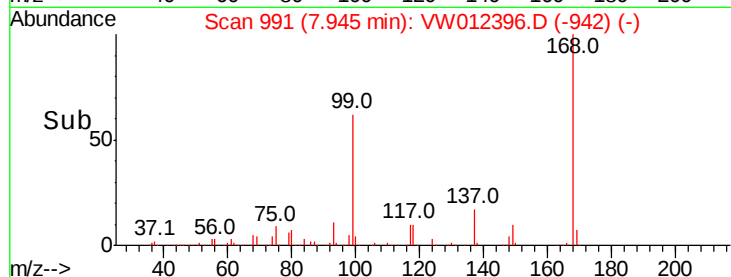
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.932 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012396.D

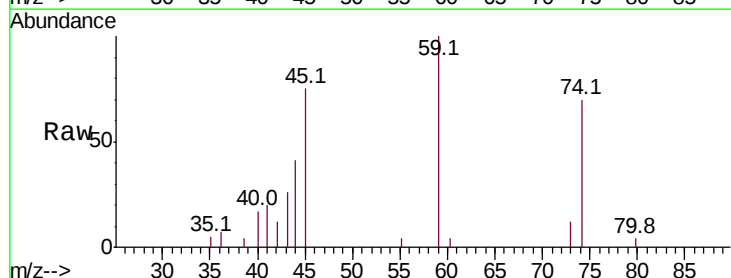
Acq: 31 Aug 2019 13:26

Tgt Ion: 74 Resp: 2221

Ion Ratio Lower Upper

74 100

45 130.7 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

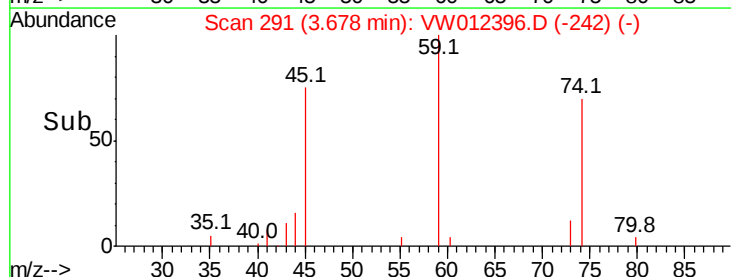
3.68

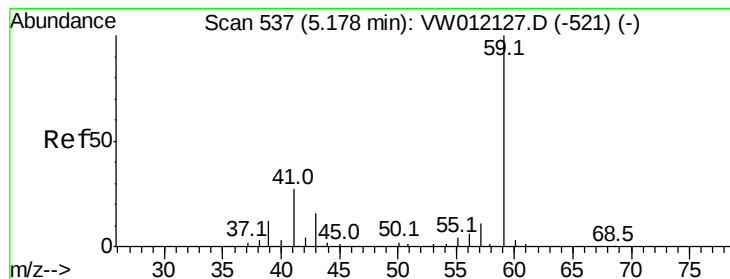
1000

500

0

Time--> 3.60 3.65 3.70 3.75



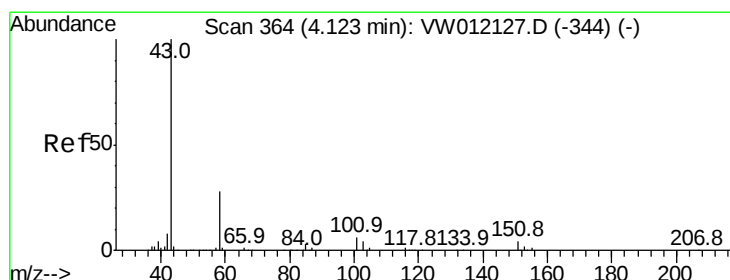
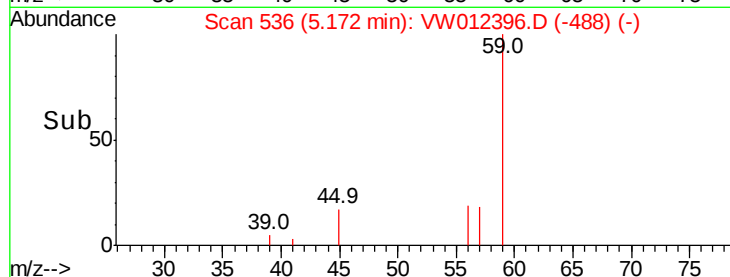
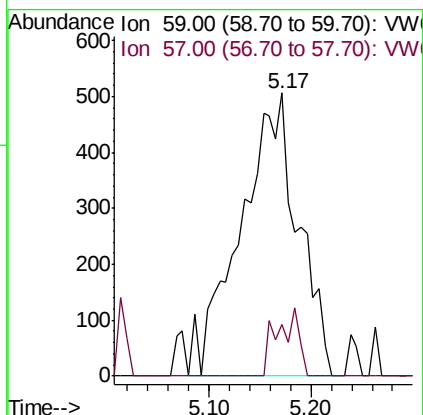
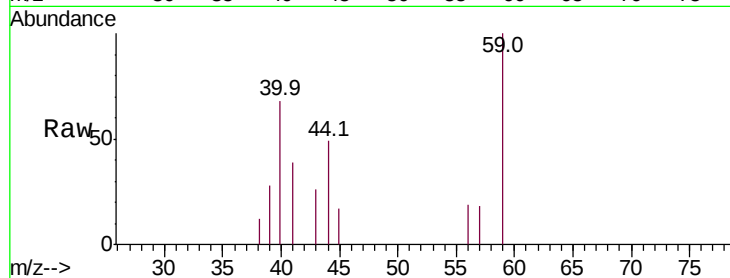


#11

Tert butyl alcohol
 Concen: 13.522 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.01 min
 Lab File: VW012396.D
 Acq: 31 Aug 2019 13:26

Instrument :
 MSVOA_W
 ClientSampled :

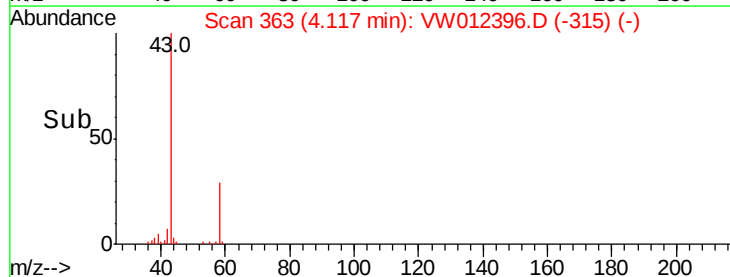
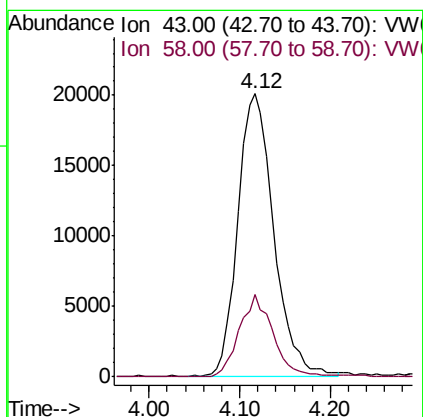
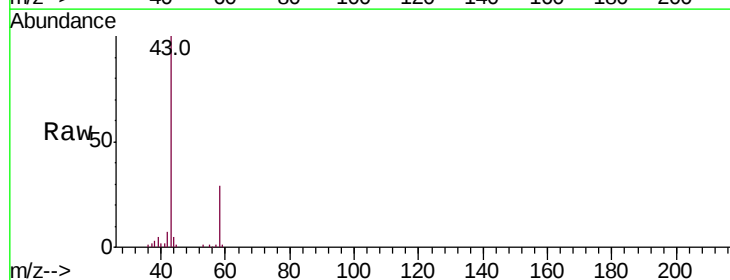
Tot Ion: 59 Resp: 1998
 Ion Ratio Lower Upper
 59 100
 57 9.1 9.0 13.4

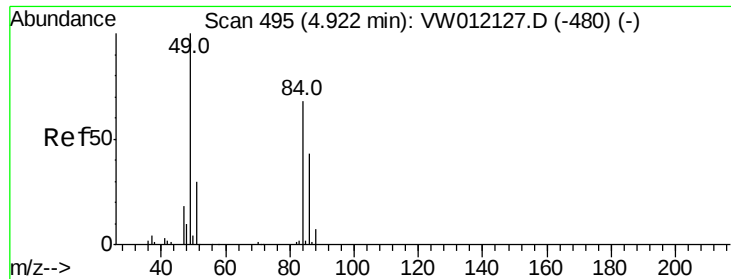


#16

Acetone
 Concen: 88.550 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VW012396.D
 Acq: 31 Aug 2019 13:26

Tgt Ion: 43 Resp: 55577
 Ion Ratio Lower Upper
 43 100
 58 29.0 22.4 33.6





#20

Methvlene Chloride

Concen: 6.491 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW012396.D

Acq: 31 Aug 2019 13:26

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 84 Resp: 15401

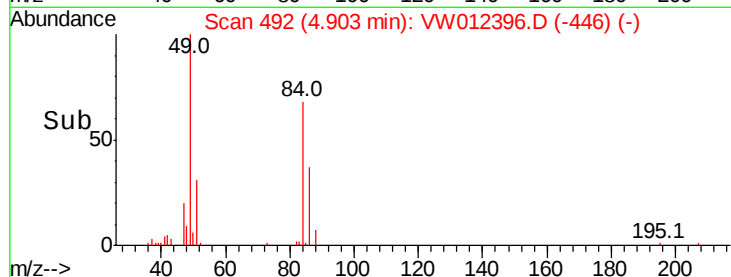
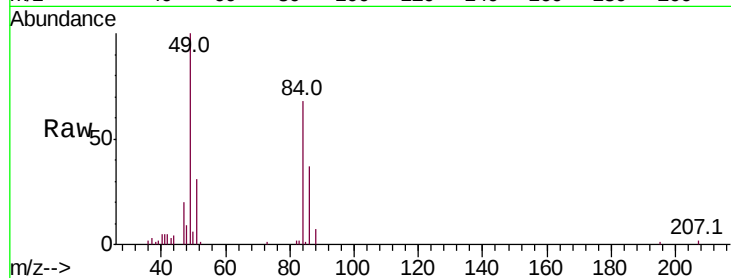
Ion Ratio Lower Upper

84 100

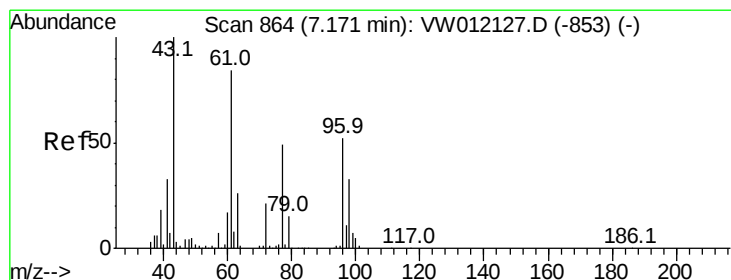
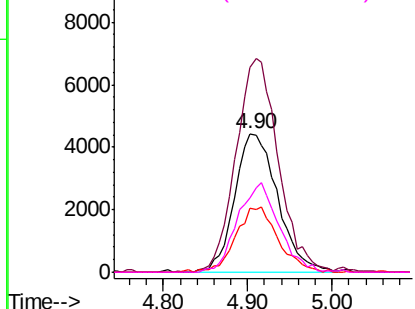
49 147.6 117.8 176.8

51 45.8 35.6 53.4

86 53.9 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



#25

2-Butanone

Concen: 1.360 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW012396.D

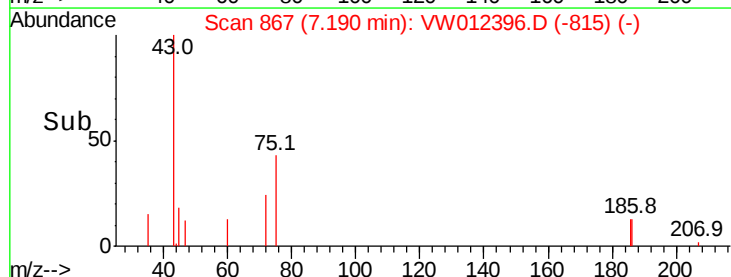
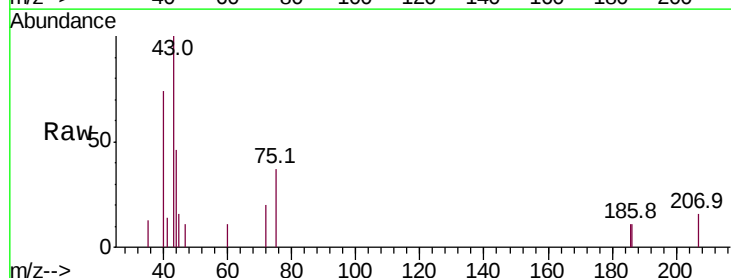
Acq: 31 Aug 2019 13:26

Tgt Ion: 43 Resp: 1160

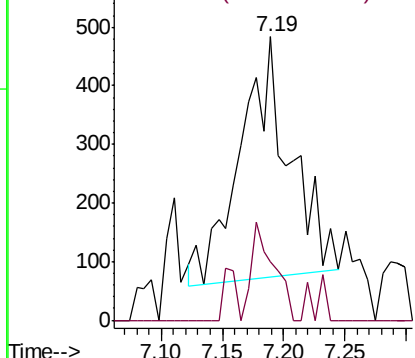
Ion Ratio Lower Upper

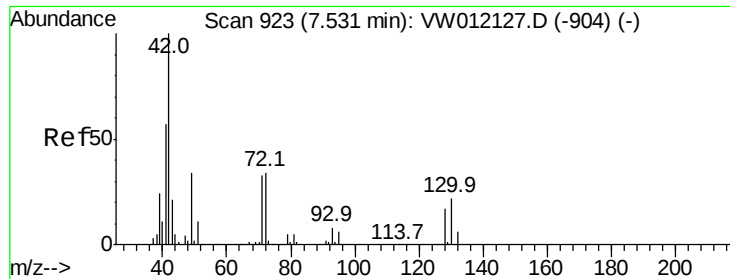
43 100

72 25.0 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

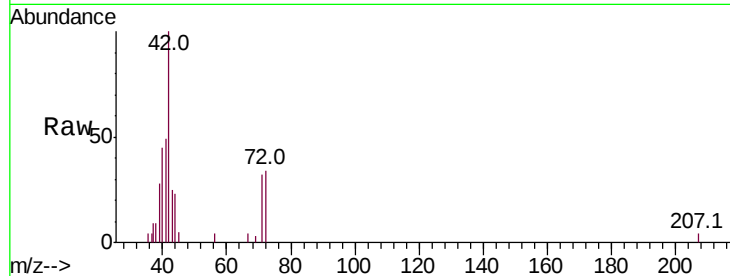




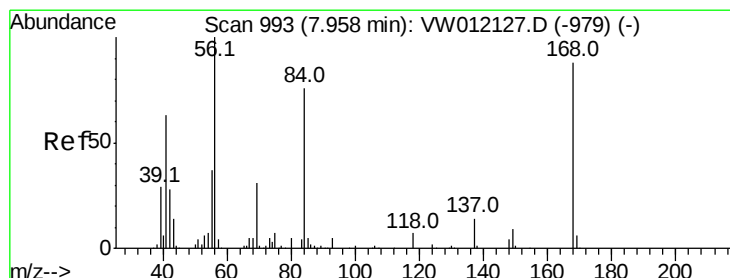
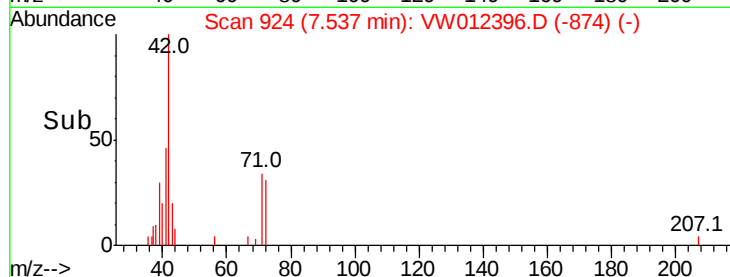
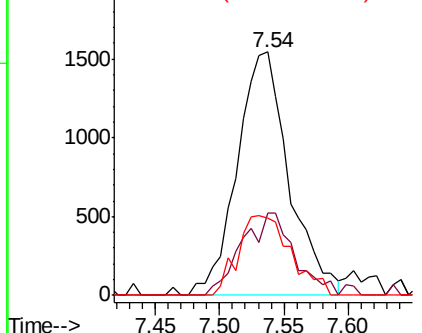
#29
Tetrahydrofuran
Concen: 8.454 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012396.D
Acq: 31 Aug 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.4	27.3	40.9
71	33.4	25.5	38.3

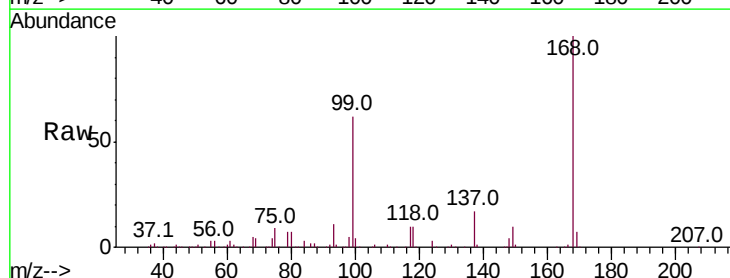


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

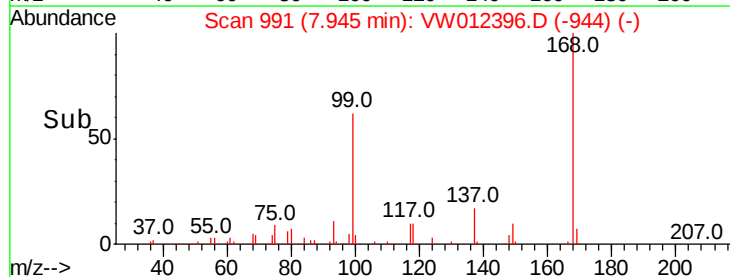
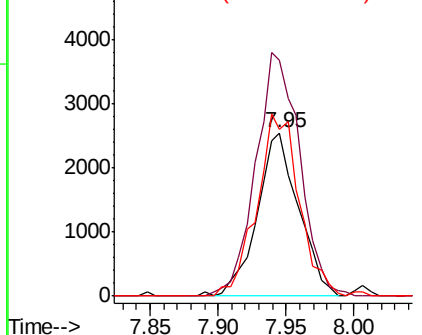


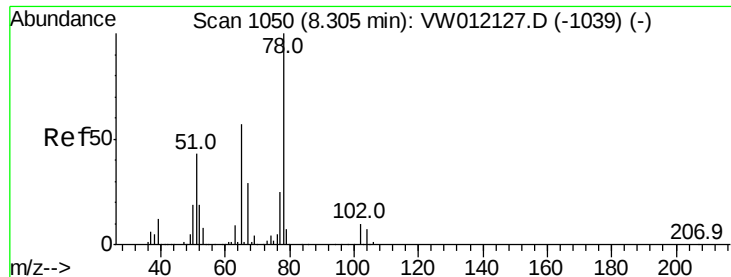
#31
Cyclohexane
Concen: 1.227 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012396.D
Acq: 31 Aug 2019 13:26

Tgt Ion	Ratio	Lower	Upper
56	100		
69	144.5	24.9	37.3#
84	102.2	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

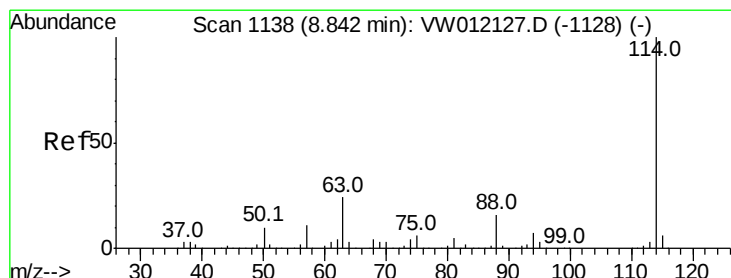
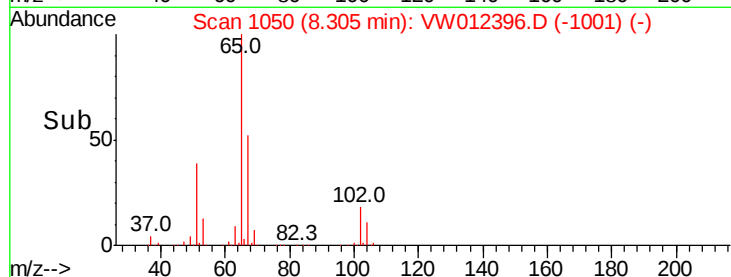
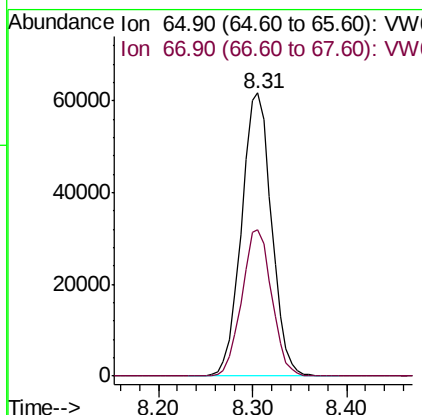
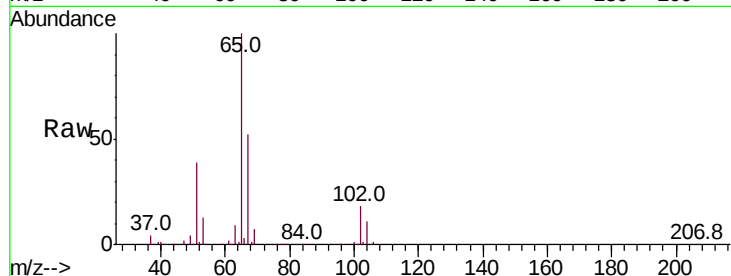




#33
 1,2-Dichloroethane-d4
 Concen: 55.665 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012396.D
 Acq: 31 Aug 2019 13:26

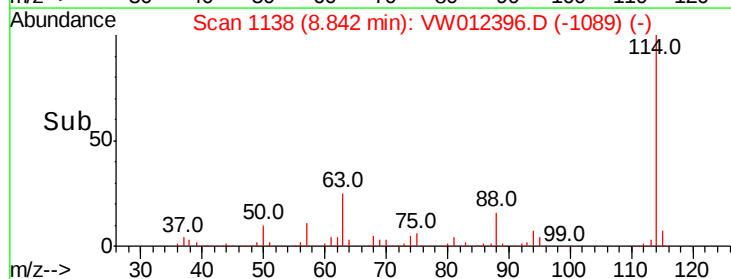
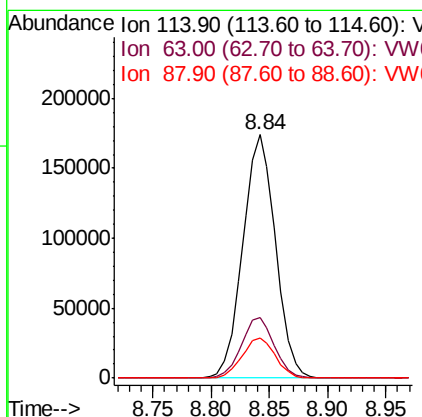
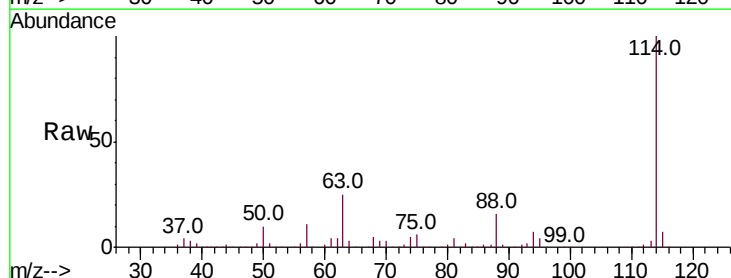
Instrument :
 MSVOA_W
 ClientSampleId :

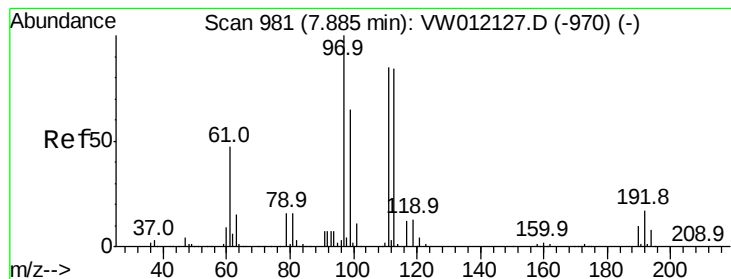
Tot Ion: 65 Resp: 136677
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012396.D
 Acq: 31 Aug 2019 13:26

Tgt Ion: 114 Resp: 338581
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 48.6
 88 16.4 0.0 32.2





#35

Dibromofluoromethane

Concen: 52.478 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012396.D

Acq: 31 Aug 2019 13:26

Instrument :

MSVOA_W

ClientSampled :

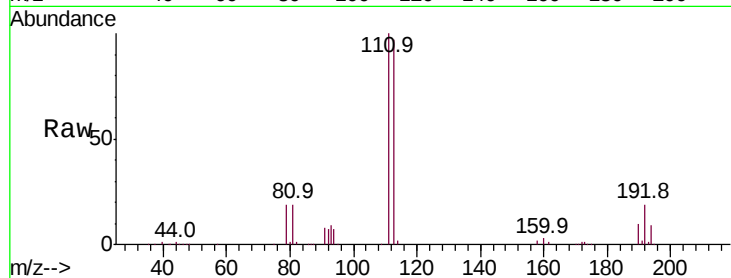
Tot Ion:113 Resp: 106059

Ion Ratio Lower Upper

113 100

111 103.8 82.7 124.1

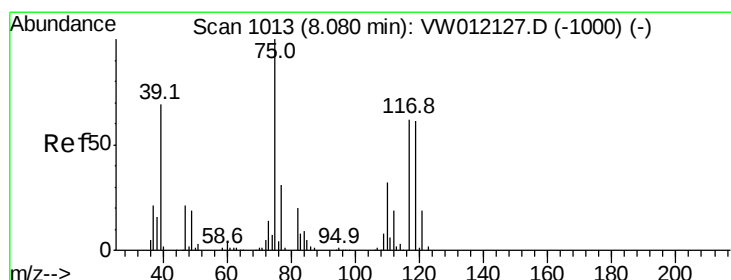
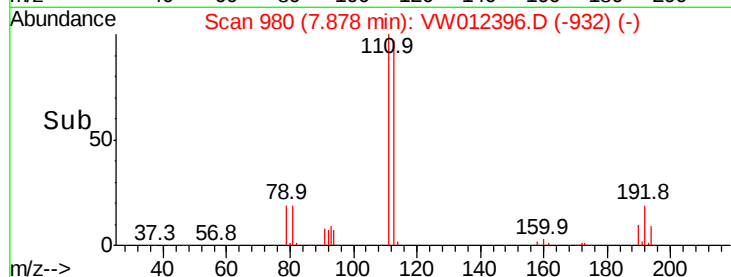
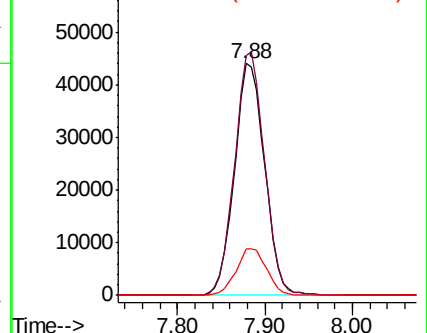
192 20.4 16.2 24.2



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: 5.140 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012396.D

Acq: 31 Aug 2019 13:26

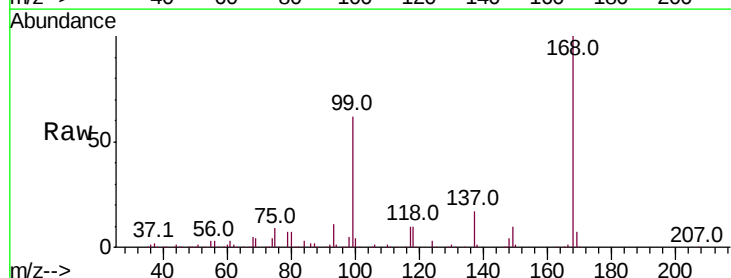
Tgt Ion: 75 Resp: 17984

Ion Ratio Lower Upper

75 100

110 8.5 15.6 46.8#

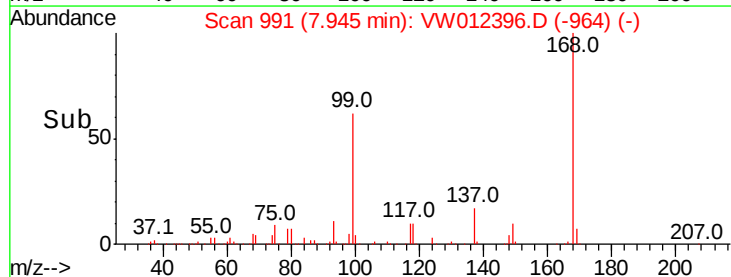
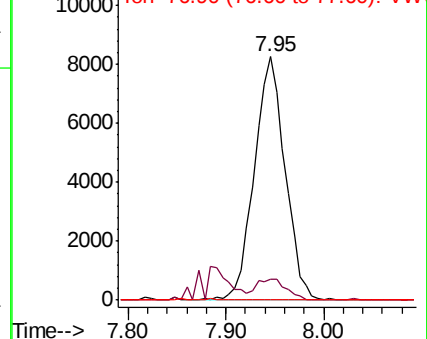
77 0.0 24.6 36.8#

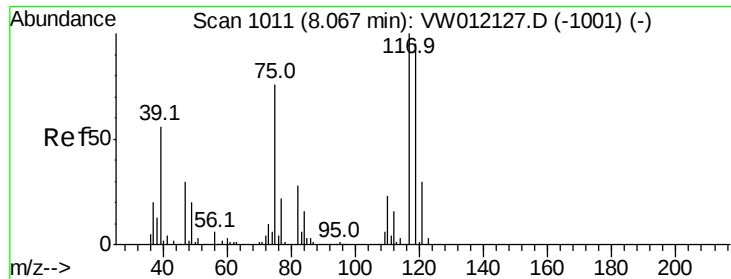


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

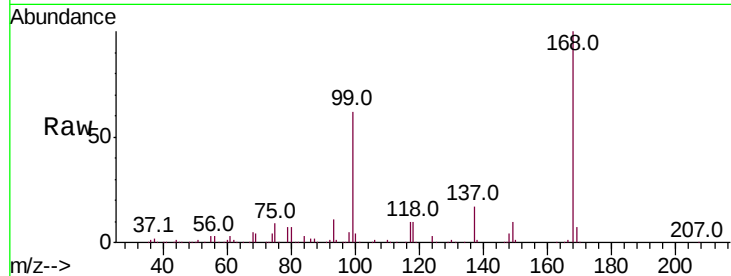




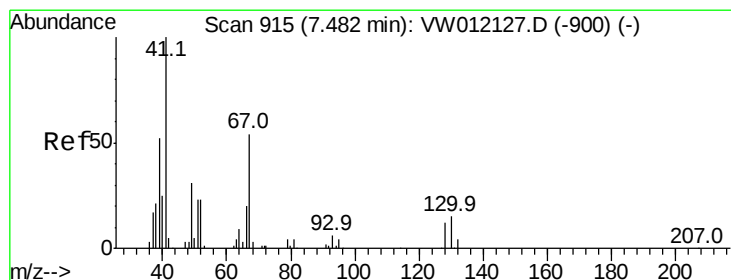
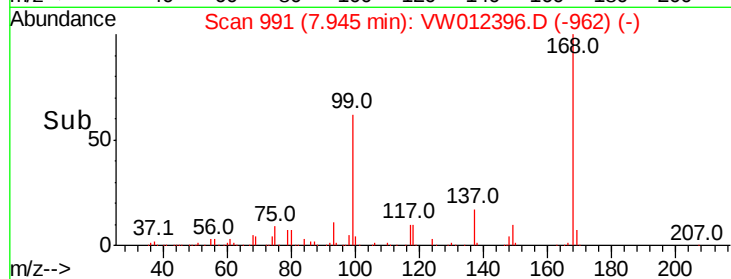
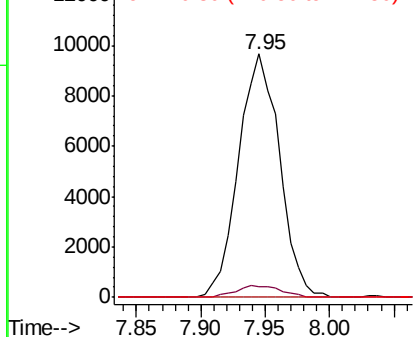
#38
Carbon Tetrachloride
Concen: 7.039 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012396.D
Acq: 31 Aug 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 21315
Ion Ratio Lower Upper
117 100
119 4.2 76.2 114.2#
121 0.0 23.8 35.8#

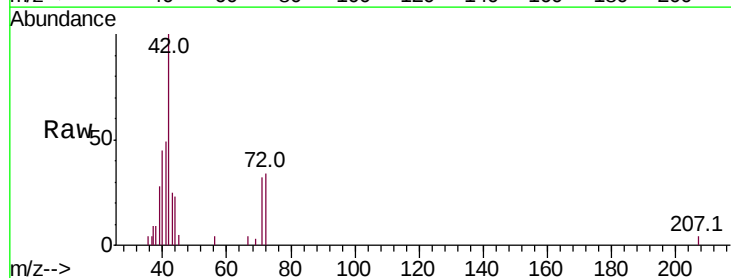


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

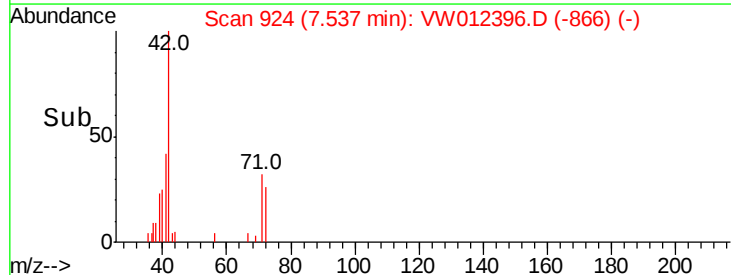
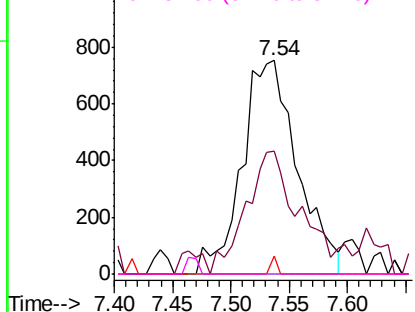


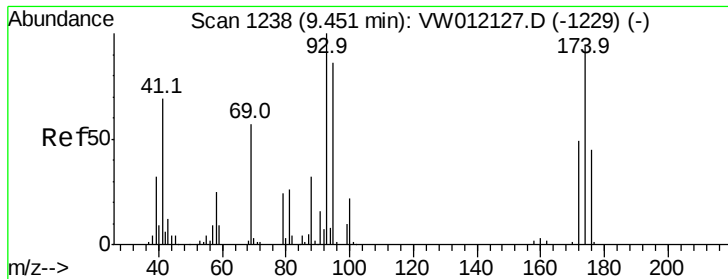
#41
Methacrylonitrile
Concen: 2.216 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012396.D
Acq: 31 Aug 2019 13:26

Tgt Ion: 41 Resp: 2497
Ion Ratio Lower Upper
41 100
39 55.7 45.8 68.8
67 0.9 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

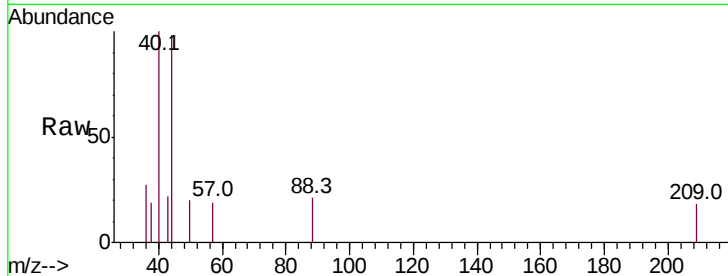




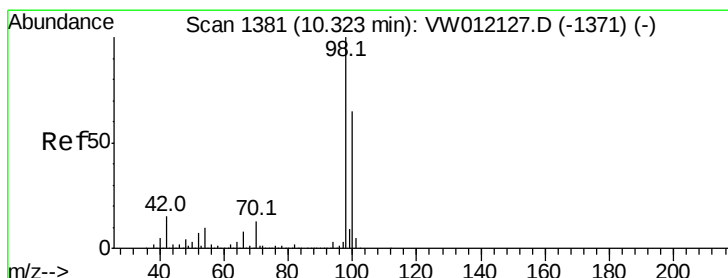
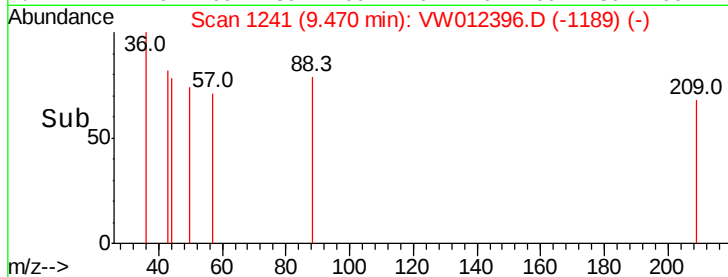
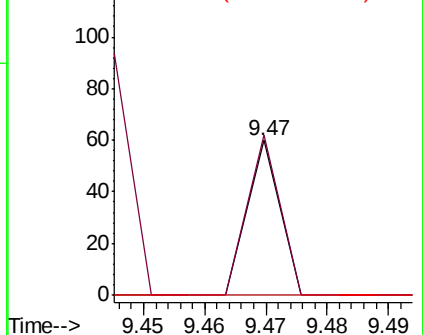
#49
1,4-Dioxane
Concen: 1.256 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.02 min
Lab File: VW012396.D
Acq: 31 Aug 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 104.5 32.9 49.3#
58 0.0 71.0 106.4#

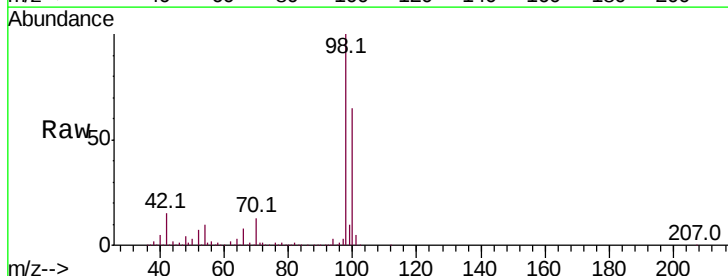


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

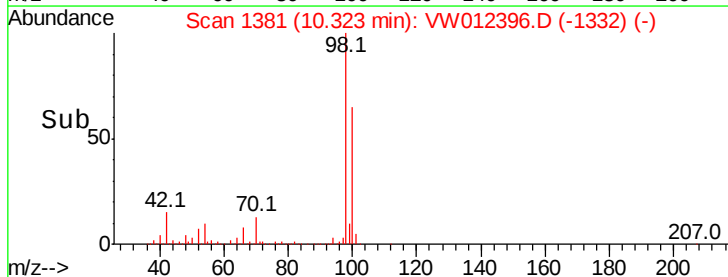
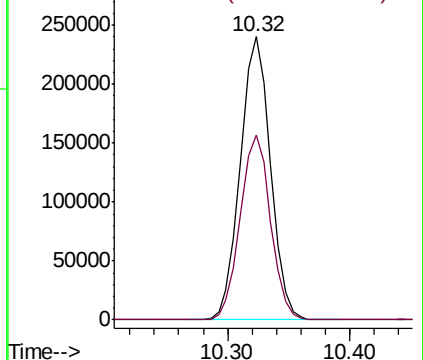


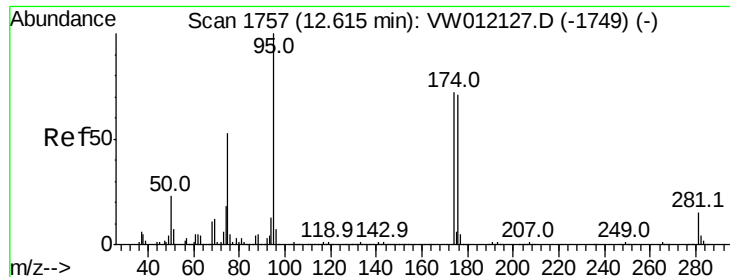
#50
Toluene-d8
Concen: 50.249 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012396.D
Acq: 31 Aug 2019 13:26

Tgt Ion: 98 Resp: 411771
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6



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

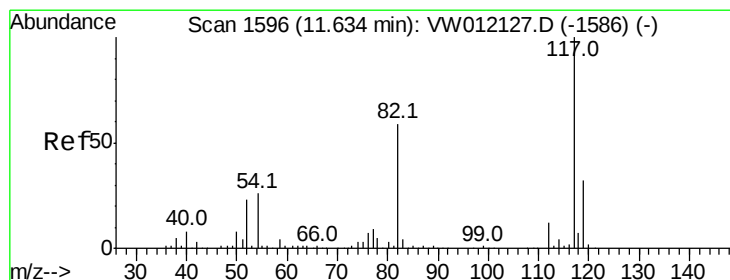
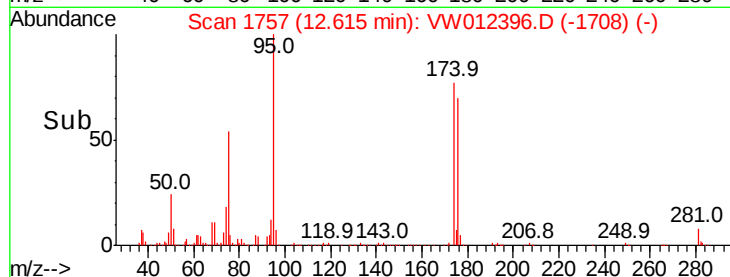
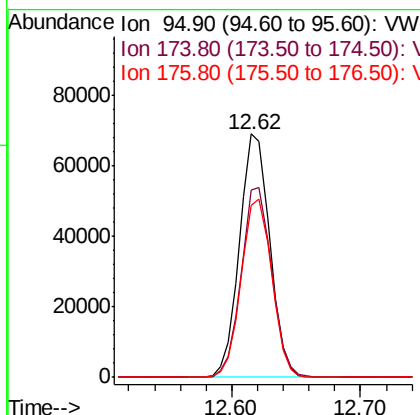
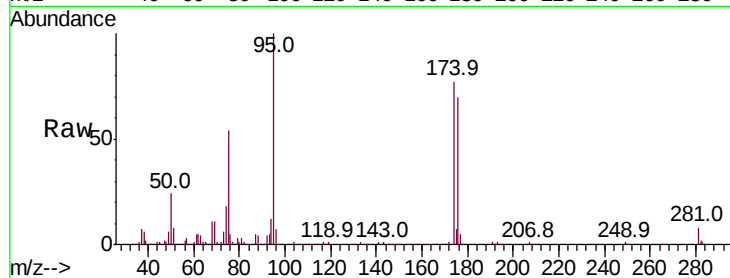




#62
4-Bromofluorobenzene
Concen: 38.803 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012396.D
Acq: 31 Aug 2019 13:26

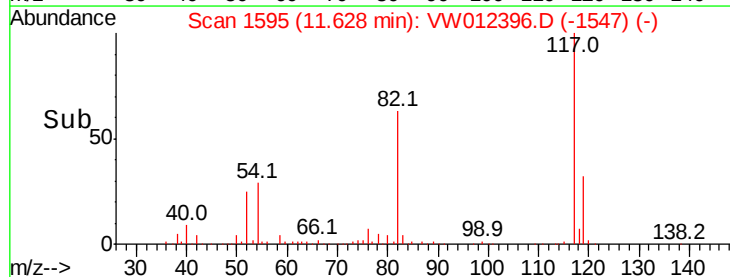
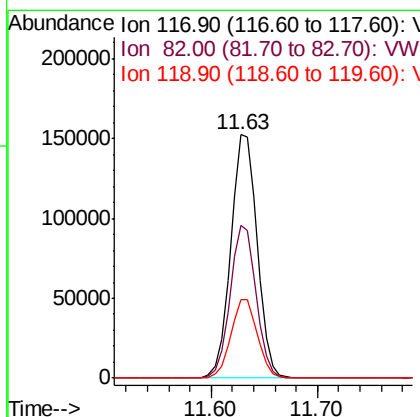
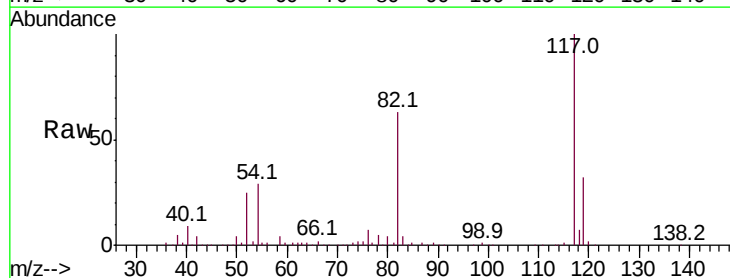
Instrument :
MSVOA_W
ClientSampleId :

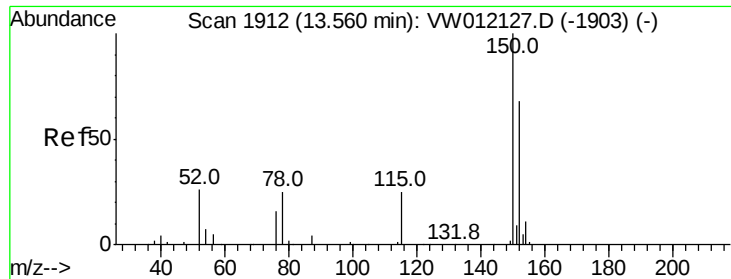
Tot Ion	95	Resp	112086
Ion Ratio	Lower	Upper	
95	100		
174	78.4	0.0	150.8
176	74.0	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012396.D
Acq: 31 Aug 2019 13:26

Tgt Ion	117	Resp	265443
Ion Ratio	Lower	Upper	
117	100		
82	62.7	47.4	71.2
119	32.0	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: VW012396.D

Acq: 31 Aug 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

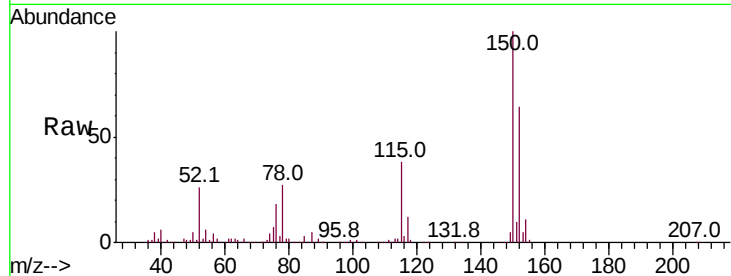
Tot Ion:152 Resp: 85108

Ion Ratio Lower Upper

152 100

115 60.8 30.1 90.3

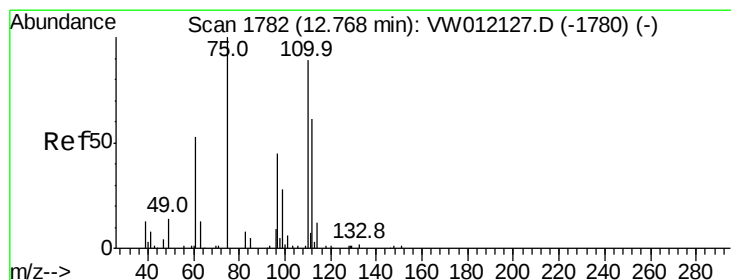
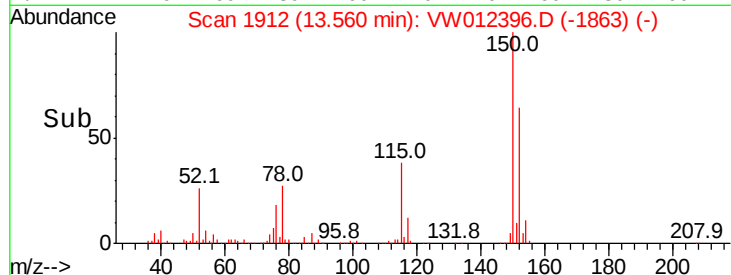
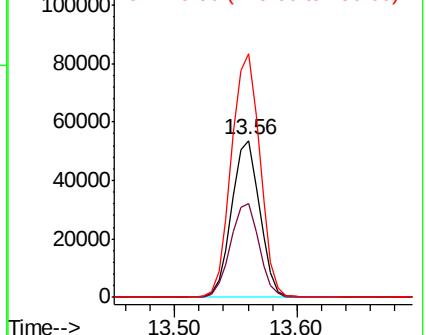
150 157.9 0.0 345.8



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: 73.947 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012396.D

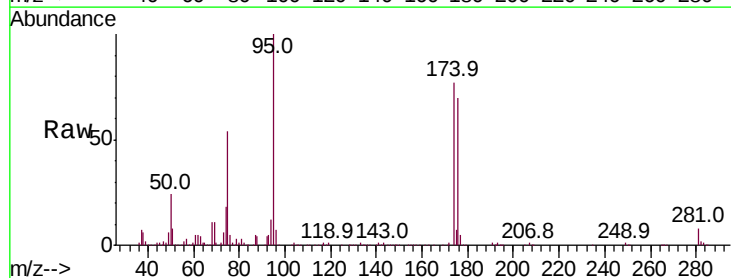
Acq: 31 Aug 2019 13:26

Tgt Ion: 75 Resp: 61294

Ion Ratio Lower Upper

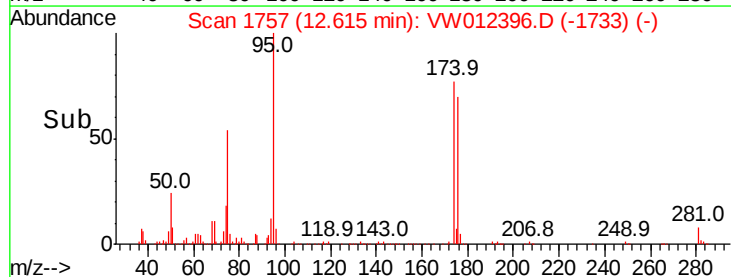
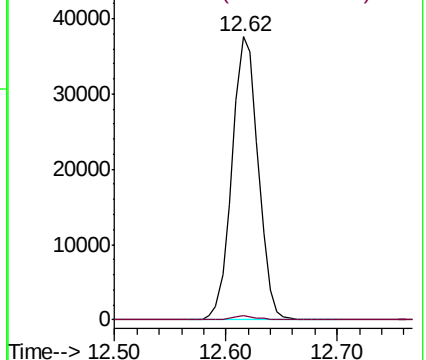
75 100

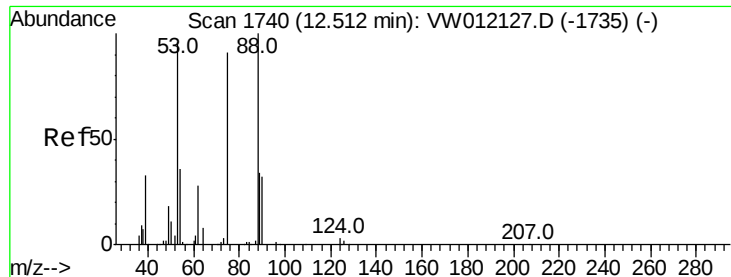
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

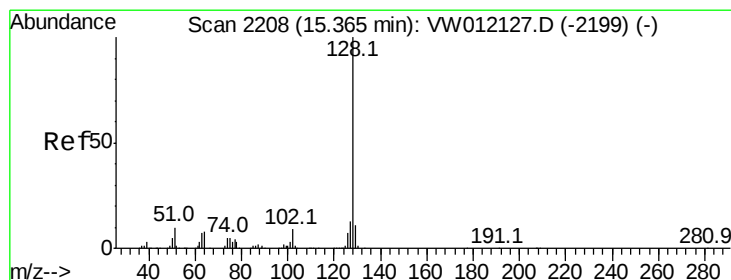
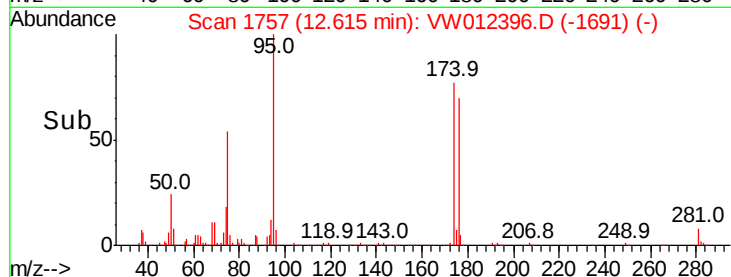
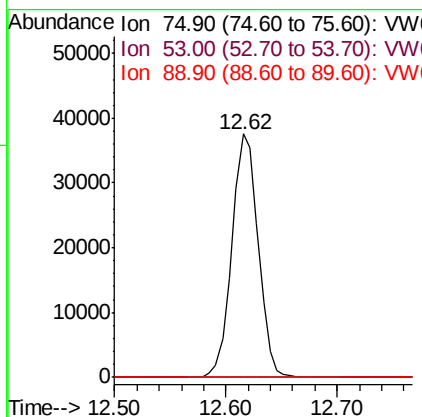
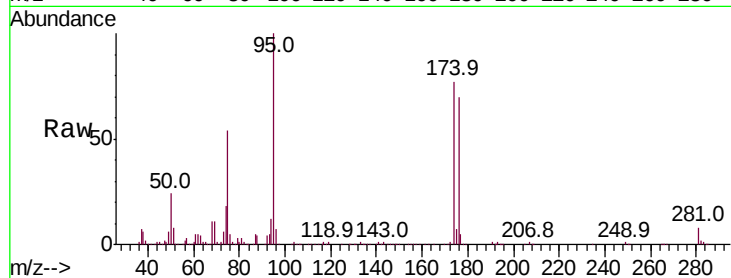




#81
trans-1,4-Dichloro-2-butene
Concen: 162.131 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012396.D
Acq: 31 Aug 2019 13:26

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 75 Resp: 61294
Ion Ratio Lower Upper
75 100
53 0.2 89.4 134.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 4.411 ug/l
RT: 15.36 min Scan# 2207
Delta R.T. -0.01 min
Lab File: VW012396.D
Acq: 31 Aug 2019 13:26

Tgt Ion: 128 Resp: 316
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

