

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090319\
 Data File : VW012546.D
 Acq On : 03 Sep 2019 15:04
 Operator : SY/VA
 Sample : K4647-04
 Misc : 6.04G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 03 15:45:59 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	232607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	385544	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	320979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	131226	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	146285	52.90	ug/l	0.00
Spiked Amount			Recovery	=	105.80%	
35) Dibromofluoromethane	7.88	113	117009	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	
50) Toluene-d8	10.32	98	466017	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.62	95	149117	45.33	ug/l	0.00
Spiked Amount			Recovery	=	90.66%	

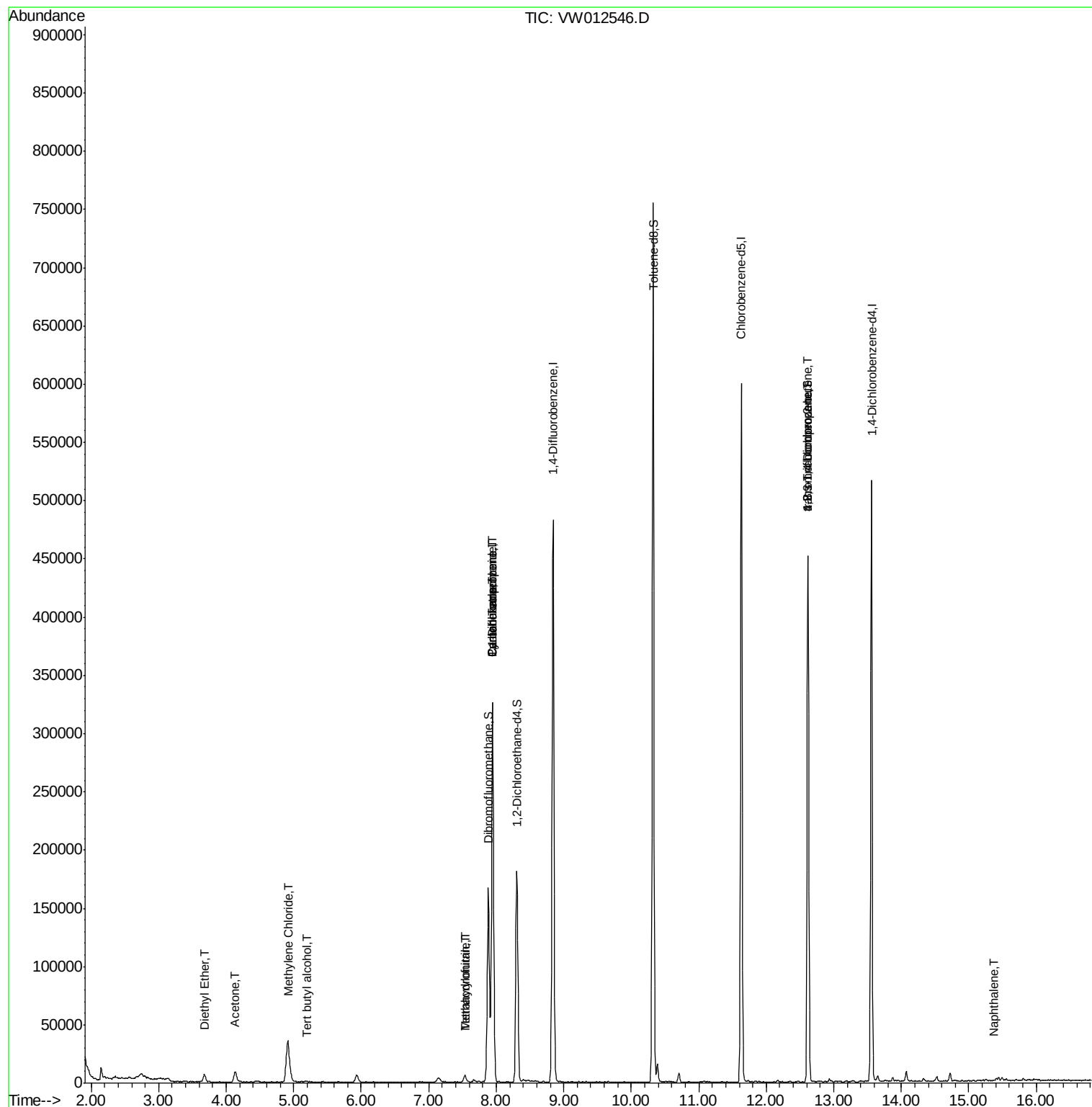
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	3164	2.444	ug/l	80
11) Tert butyl alcohol	5.19	59	1375	8.263	ug/l #	71
16) Acetone	4.13	43	18617	26.339	ug/l	97
20) Methylene Chloride	4.92	84	27707	10.369	ug/l	95
29) Tetrahydrofuran	7.54	42	5425	9.414	ug/l	96
31) Cyclohexane	7.95	56	5600	1.124	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19851	4.982	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22754	6.598	ug/l #	18
41) Methacrylonitrile	7.54	41	3428	2.671	ug/l #	54
76) 1,2,3-Trichloropropane	12.62	75	80505	62.991	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	80505	138.109	ug/l #	6
95) Naphthalene	15.36	128	178	4.354	ug/l #	63

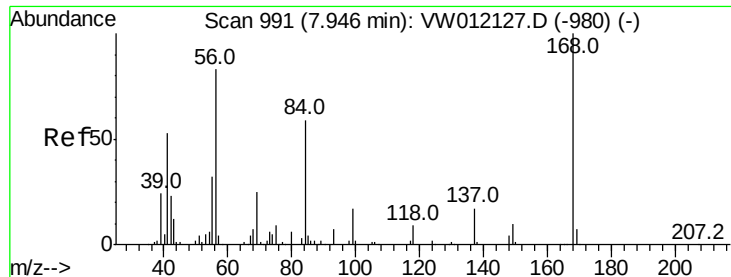
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012546.D

Acq: 03 Sep 2019 15:04

Instrument :

MSVOA_W

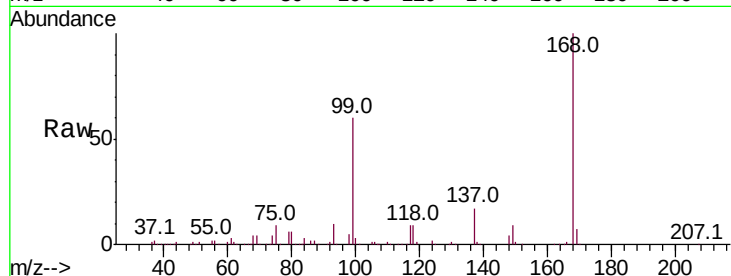
ClientSampled :

Tot Ion:168 Resp: 232607

Ion Ratio Lower Upper

168 100

99 59.9 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

120000

100000

80000

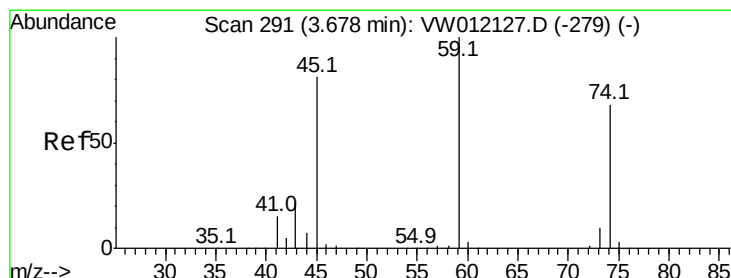
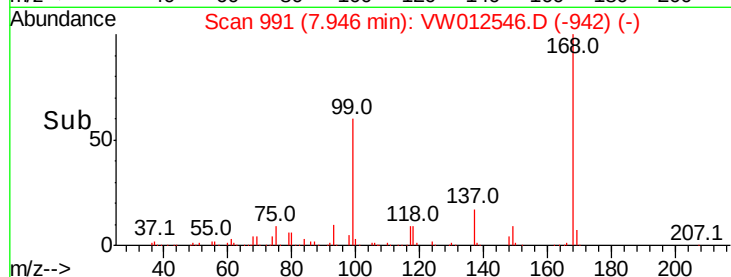
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.444 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012546.D

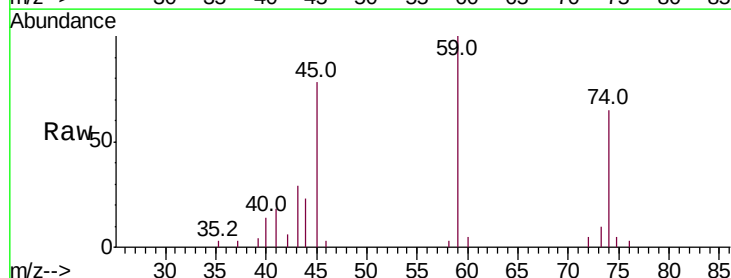
Acq: 03 Sep 2019 15:04

Tgt Ion: 74 Resp: 3164

Ion Ratio Lower Upper

74 100

45 140.6 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

2000

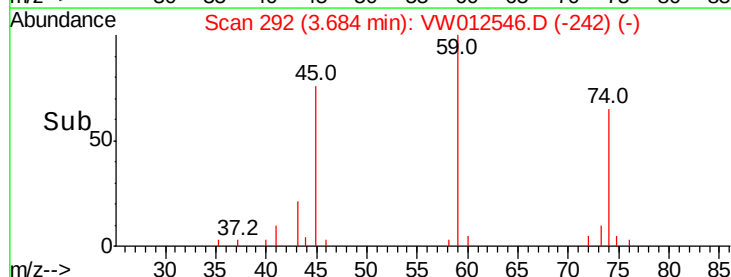
1500

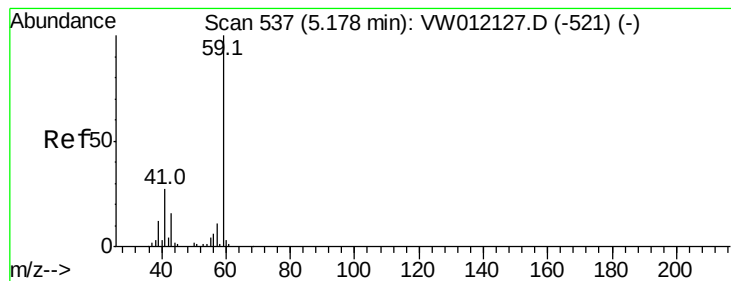
1000

500

0

Time-->



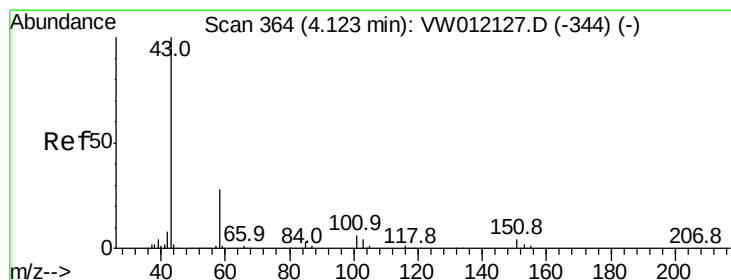
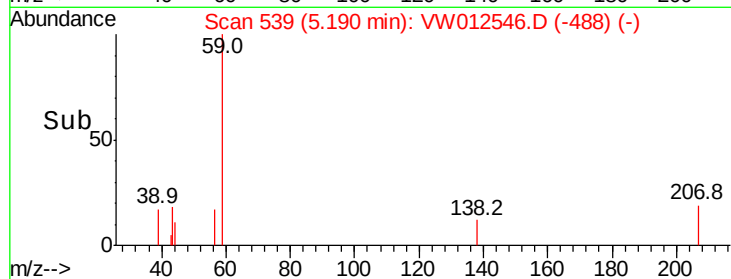
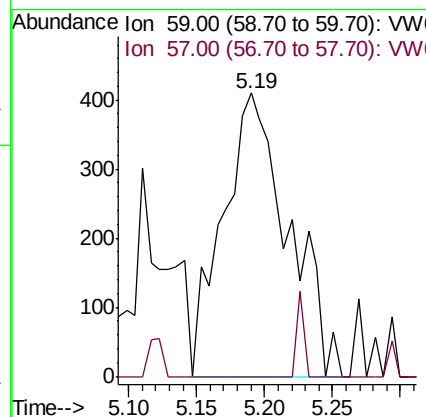
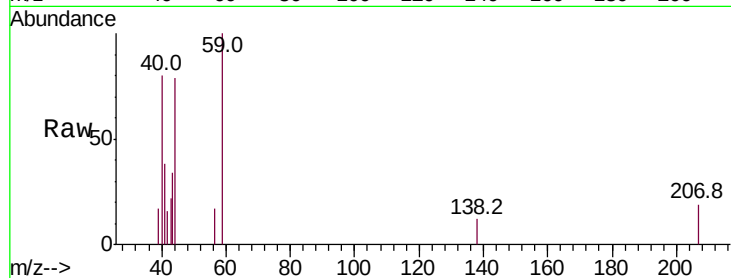


#11

Tert butyl alcohol
Concen: 8.263 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.01 min
Lab File: VW012546.D
Acq: 03 Sep 2019 15:04

Instrument :
MSVOA_W
ClientSampled :

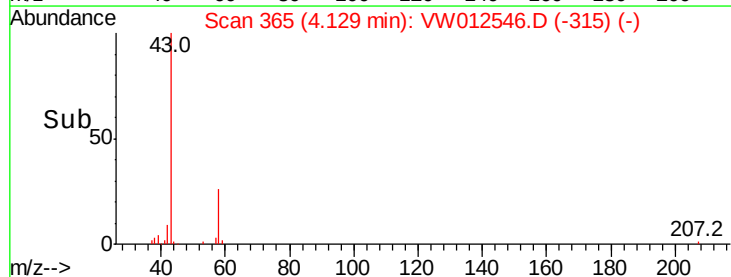
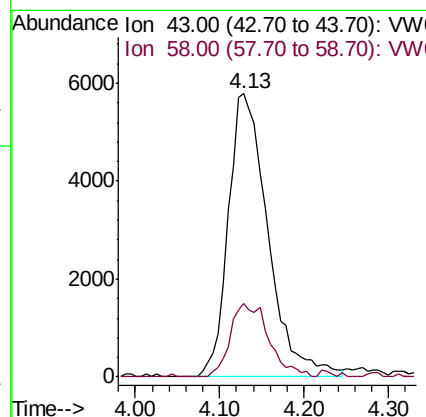
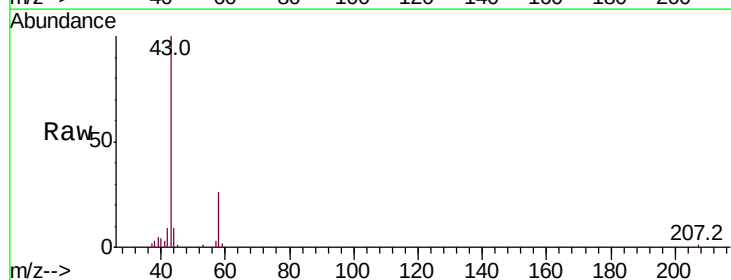
Tot Ion: 59 Resp: 1375
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

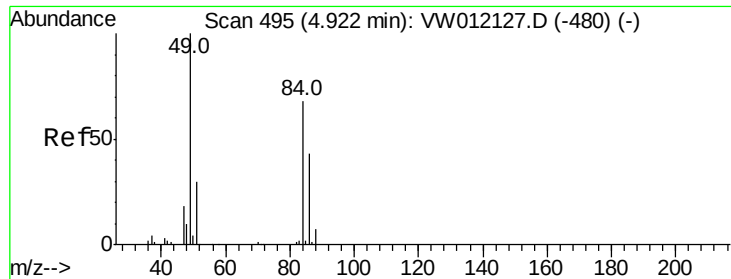


#16

Acetone
Concen: 26.339 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW012546.D
Acq: 03 Sep 2019 15:04

Tgt Ion: 43 Resp: 18617
Ion Ratio Lower Upper
43 100
58 26.2 22.4 33.6

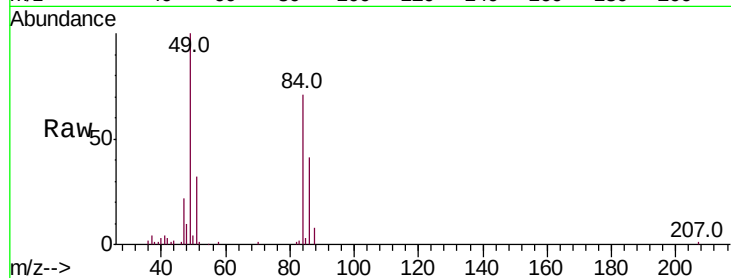




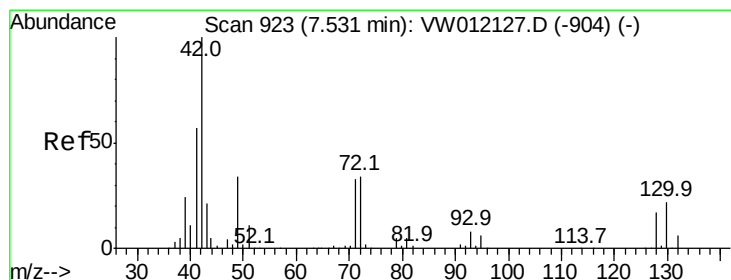
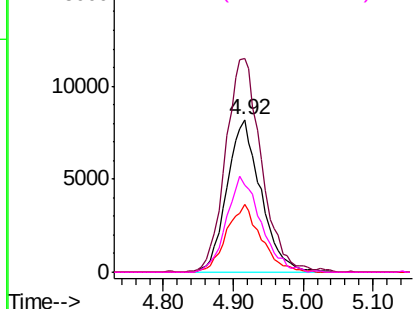
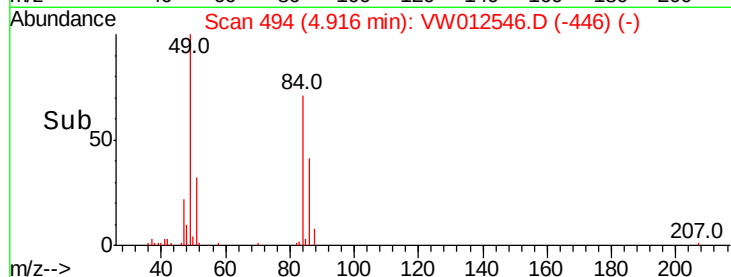
#20
Methylene Chloride
Concen: 10.369 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012546.D
Acq: 03 Sep 2019 15:04

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	84	Resp:	27707
Ion	Ratio	Lower	Upper
84	100		
49	140.2	117.8	176.8
51	44.5	35.6	53.4
86	57.5	51.2	76.8

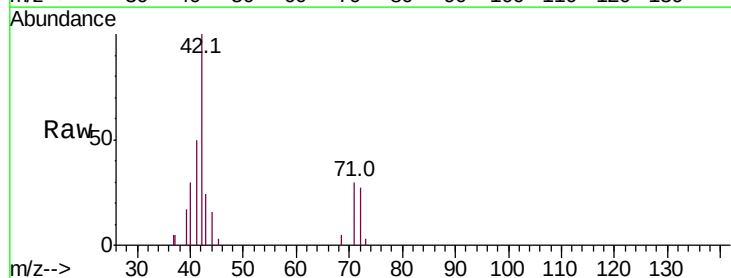


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

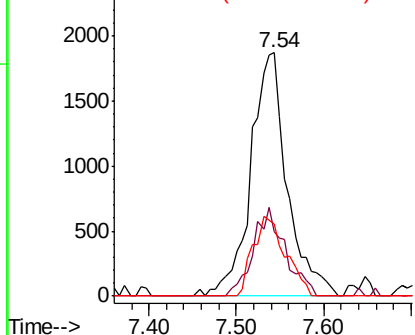
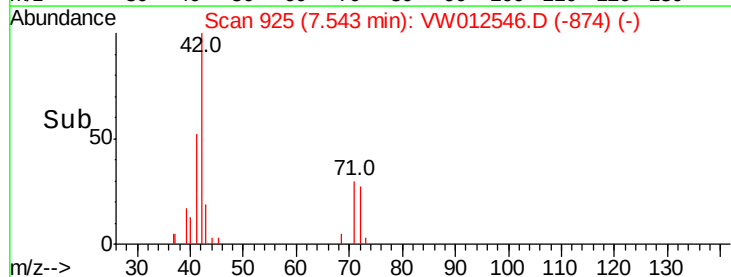


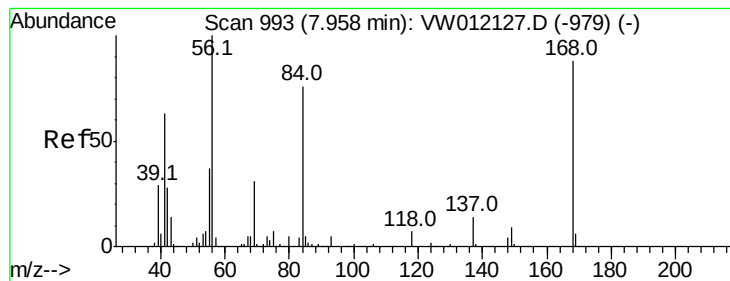
#29
Tetrahydrofuran
Concen: 9.414 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012546.D
Acq: 03 Sep 2019 15:04

Tgt Ion:	42	Resp:	5425
Ion	Ratio	Lower	Upper
42	100		
72	31.9	27.3	40.9
71	29.1	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: 1.124 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

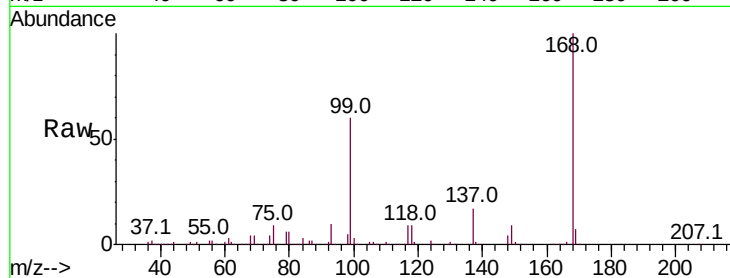
Lab File: VW012546.D

Acq: 03 Sep 2019 15:04

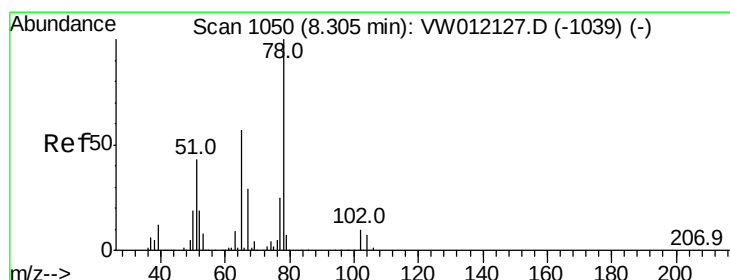
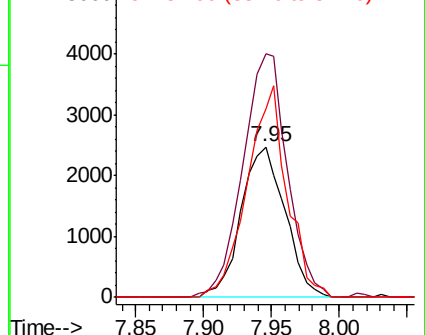
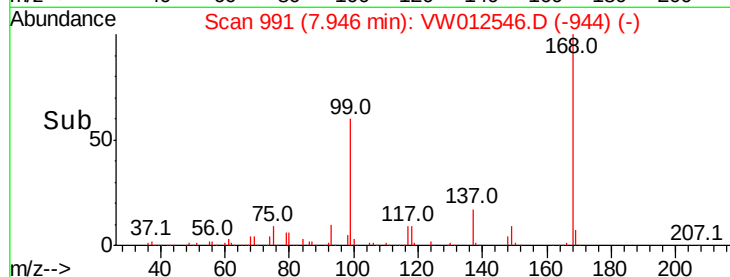
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 5600

Ion	Ratio	Lower	Upper
56	100		
69	161.9	24.9	37.3#
84	125.5	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: 52.903 ug/l

RT: 8.31 min Scan# 1050

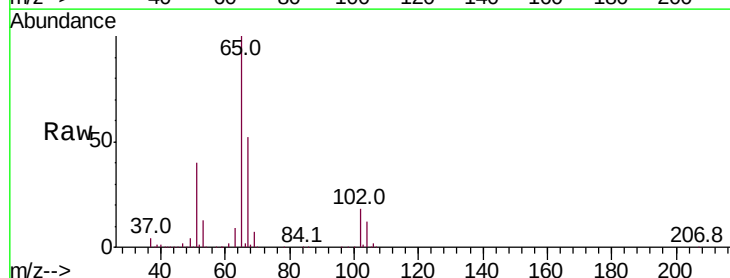
Delta R.T. -0.00 min

Lab File: VW012546.D

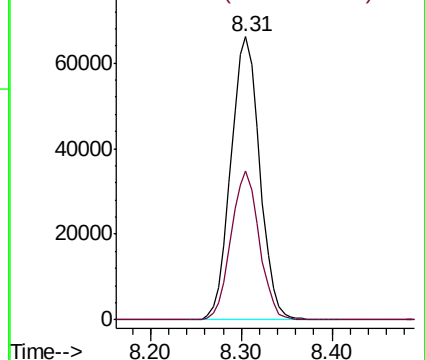
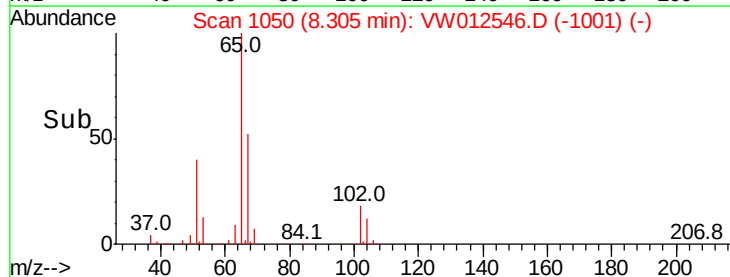
Acq: 03 Sep 2019 15:04

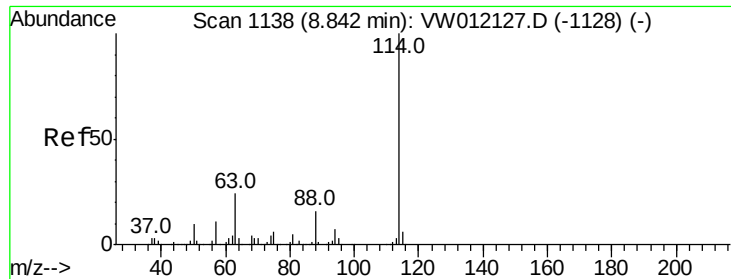
Tgt Ion: 65 Resp: 146285

Ion	Ratio	Lower	Upper
65	100		
67	51.0	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: VW012546.D

Acq: 03 Sep 2019 15:04

Instrument :

MSVOA_W

ClientSampleId :

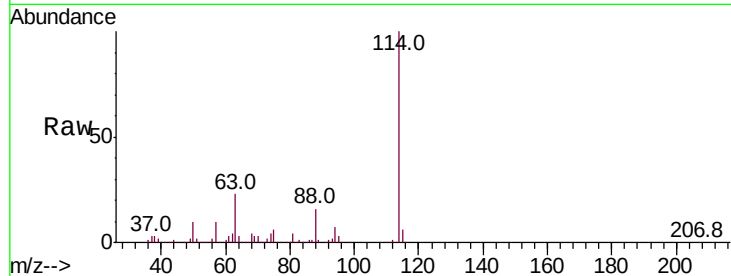
Tot Ion:114 Resp: 385544

Ion Ratio Lower Upper

114 100

63 23.4 0.0 48.6

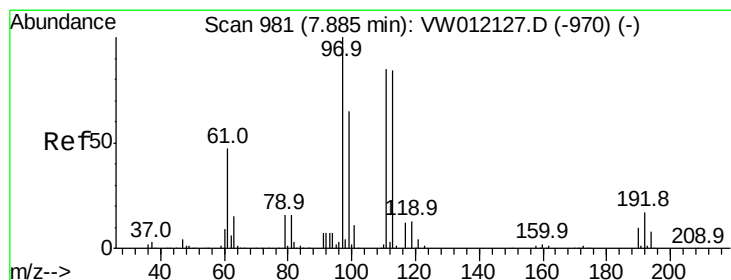
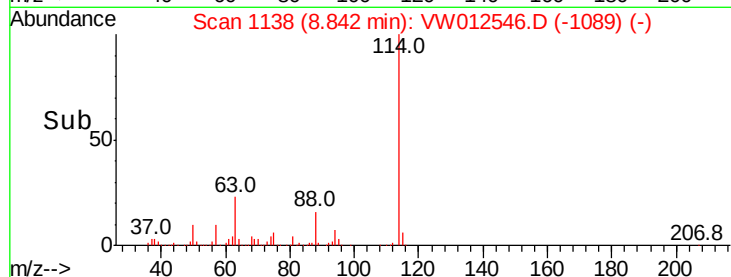
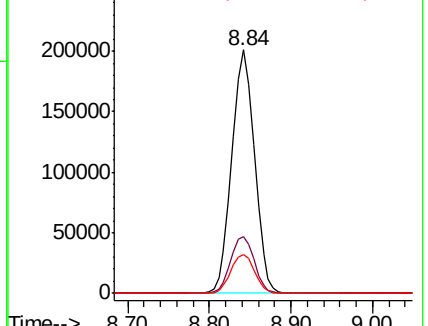
88 16.0 0.0 32.2



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: 50.844 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012546.D

Acq: 03 Sep 2019 15:04

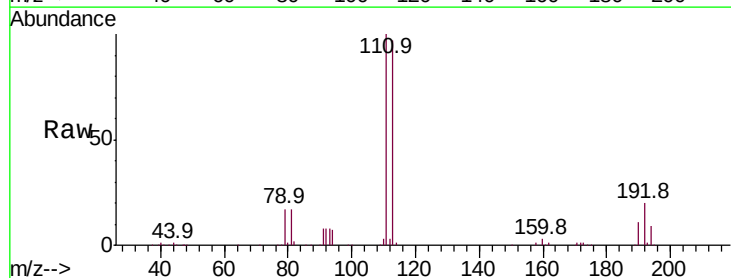
Tgt Ion:113 Resp: 117009

Ion Ratio Lower Upper

113 100

111 102.3 82.7 124.1

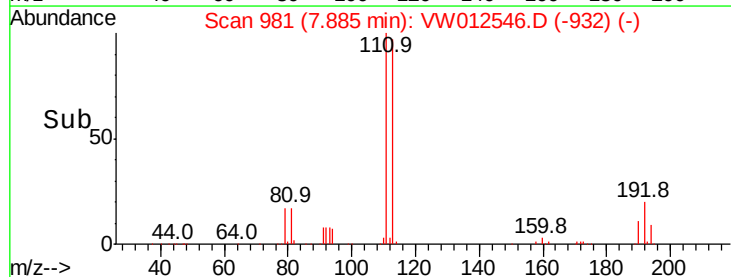
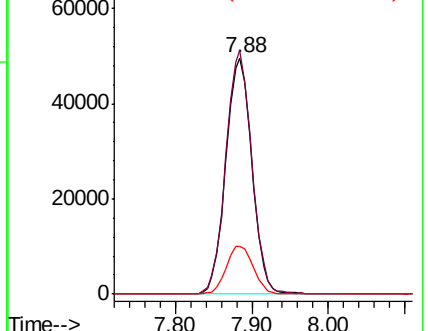
192 20.9 16.2 24.2

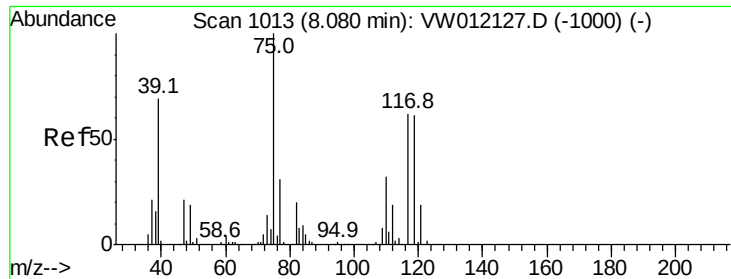


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.982 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012546.D

Acq: 03 Sep 2019 15:04

Instrument :

MSVOA_W

ClientSampleId :

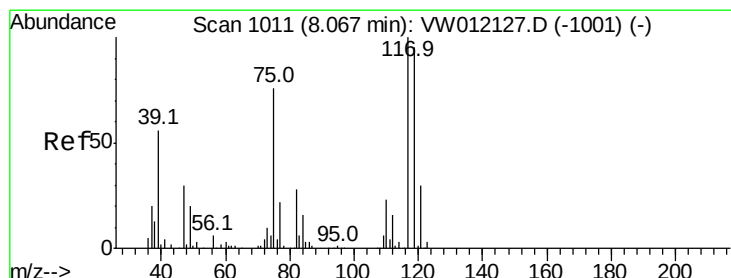
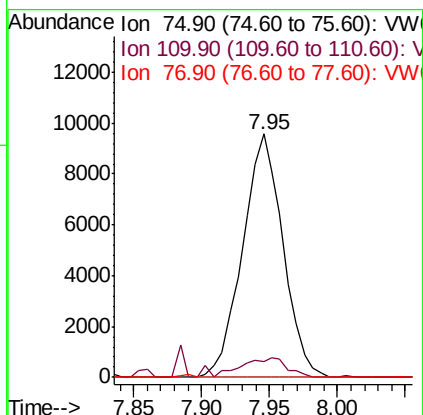
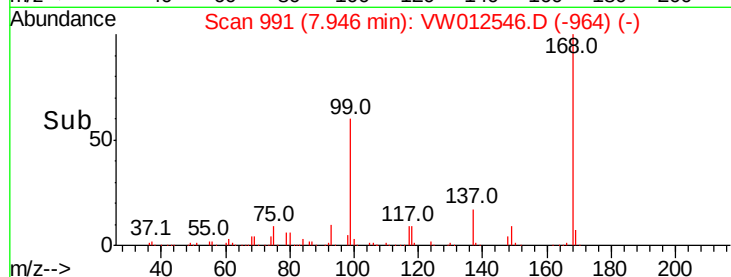
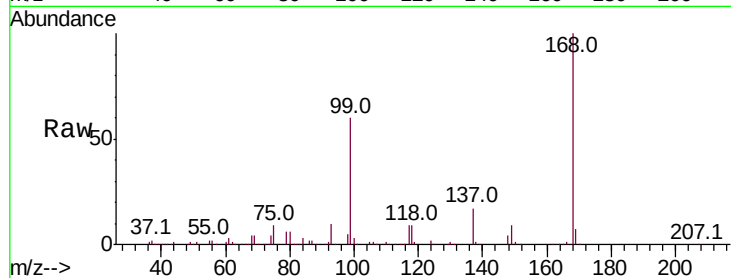
Tot Ion: 75 Resp: 19851

Ion Ratio Lower Upper

75 100

110 9.2 15.6 46.8#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.598 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012546.D

Acq: 03 Sep 2019 15:04

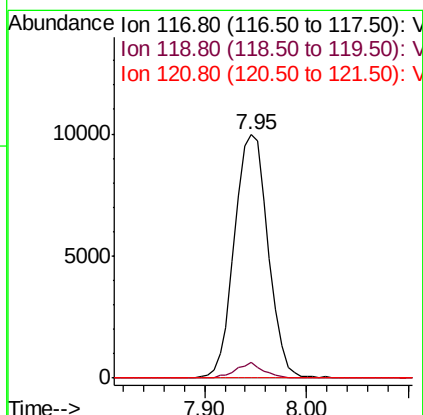
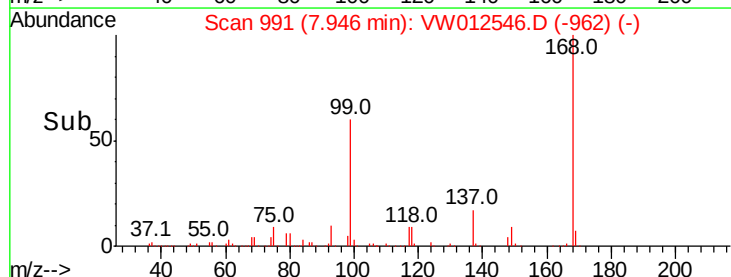
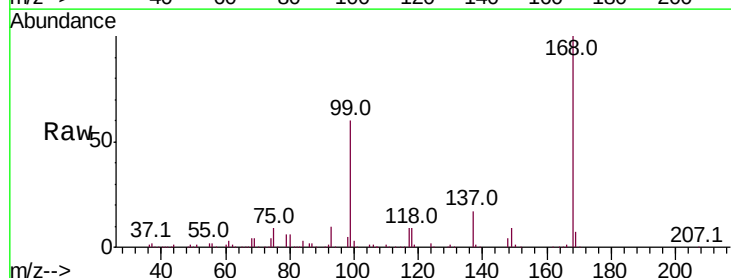
Tgt Ion: 117 Resp: 22754

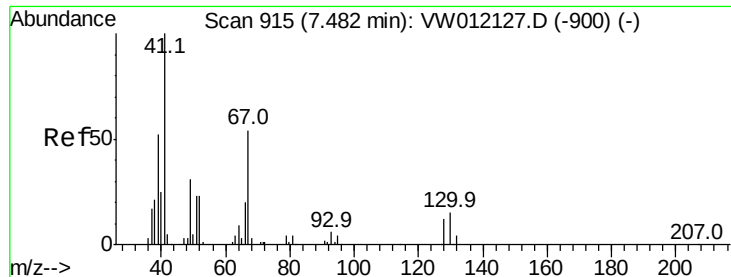
Ion Ratio Lower Upper

117 100

119 6.7 76.2 114.2#

121 0.0 23.8 35.8#

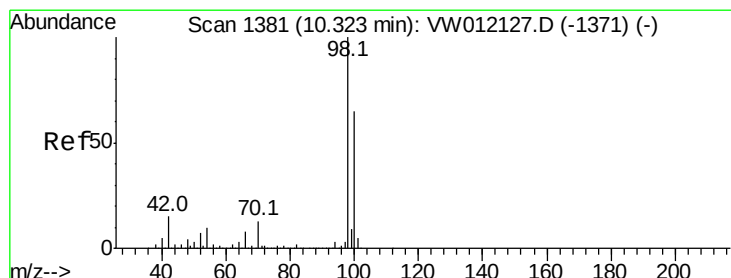
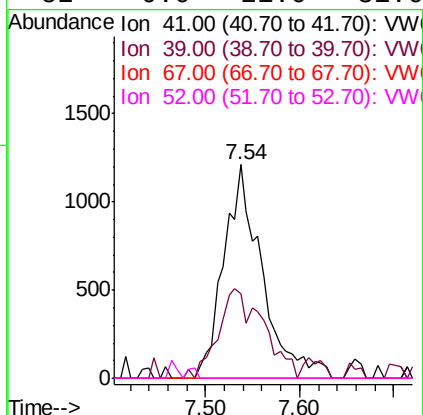
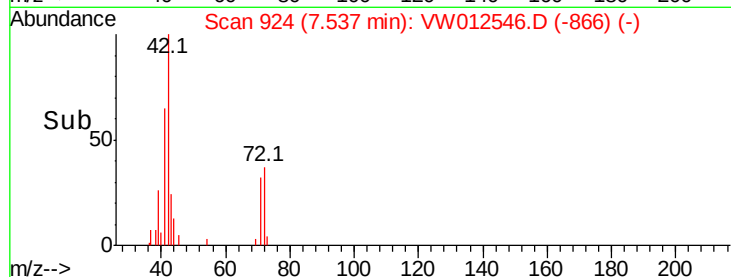
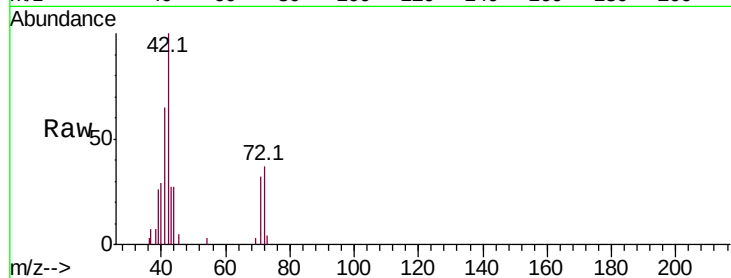




#41
Methacrylonitrile
Concen: 2.671 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012546.D
Acq: 03 Sep 2019 15:04

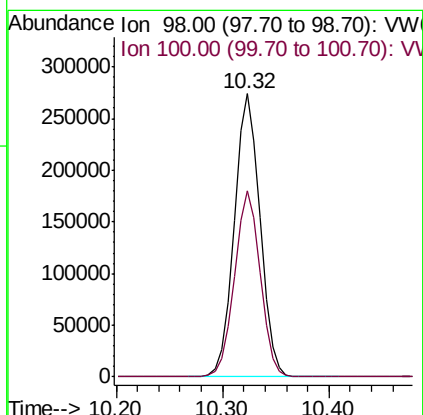
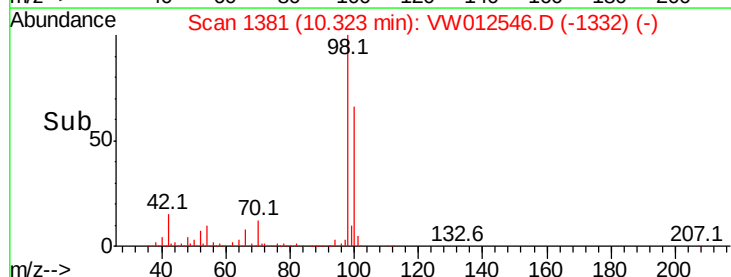
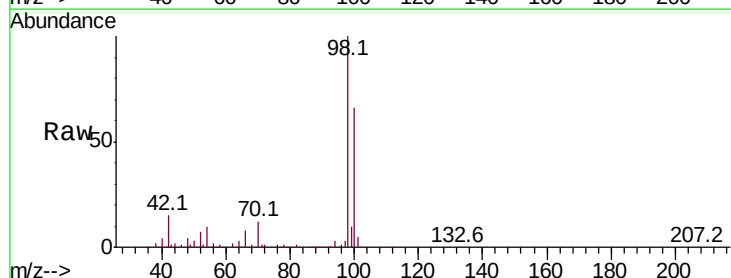
Instrument :
MSVOA_W
ClientSampled :

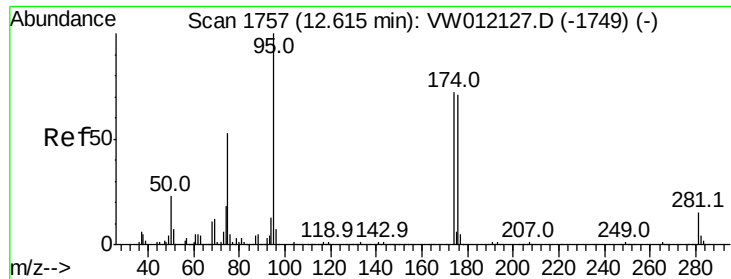
Tot Ion: 41 Resp: 3428
Ion Ratio Lower Upper
41 100
39 49.4 45.8 68.8
67 0.0 46.2 69.4#
52 0.0 21.0 31.6#



#50
Toluene-d8
Concen: 49.942 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012546.D
Acq: 03 Sep 2019 15:04

Tgt Ion: 98 Resp: 466017
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6

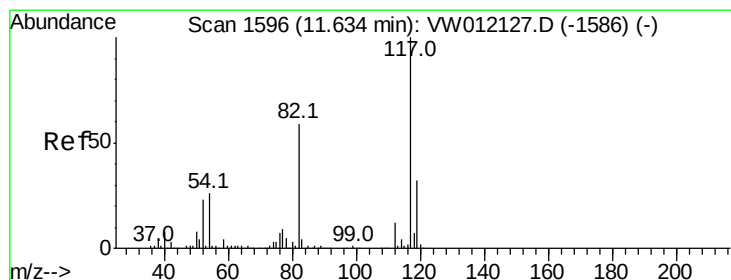
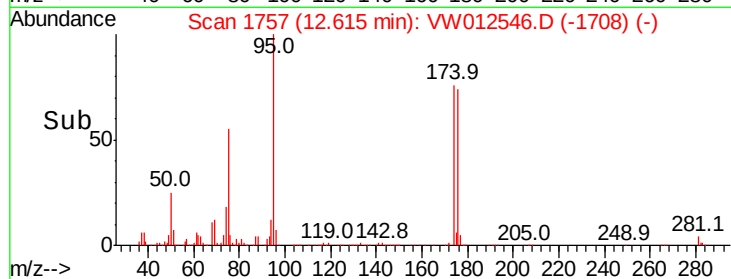
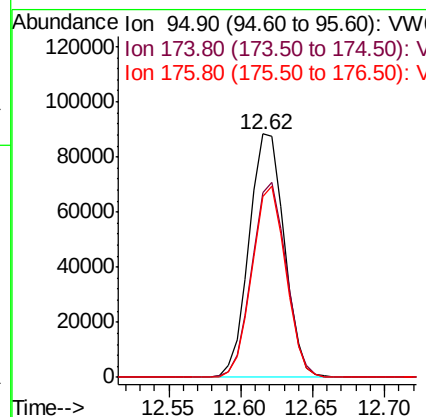
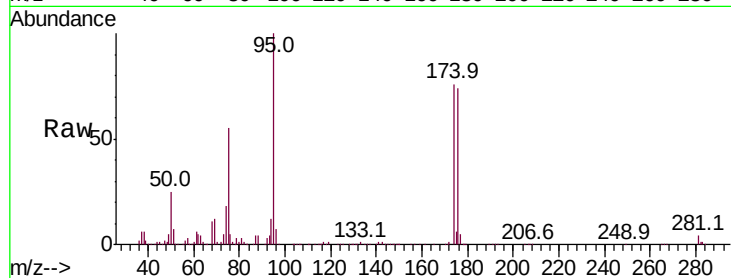




#62
4-Bromofluorobenzene
Concen: 45.335 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012546.D
Acq: 03 Sep 2019 15:04

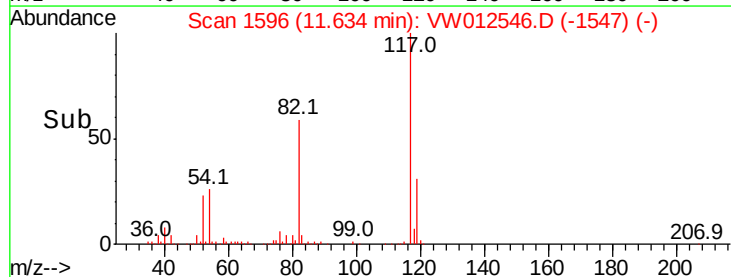
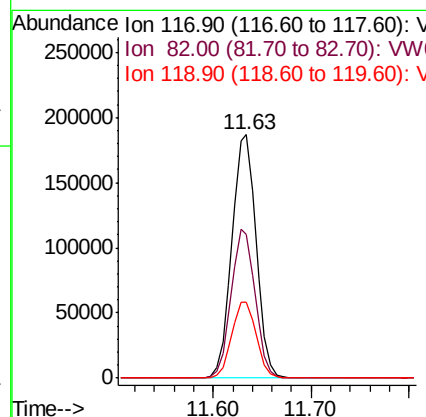
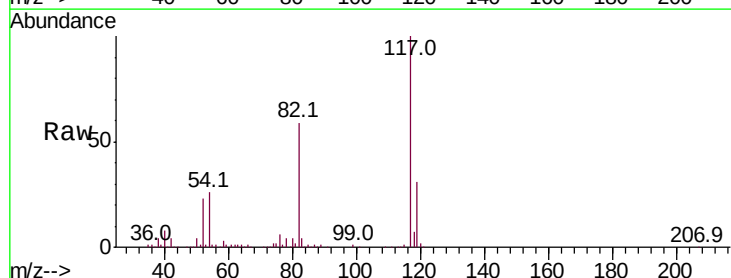
Instrument :
MSVOA_W
ClientSampleId :

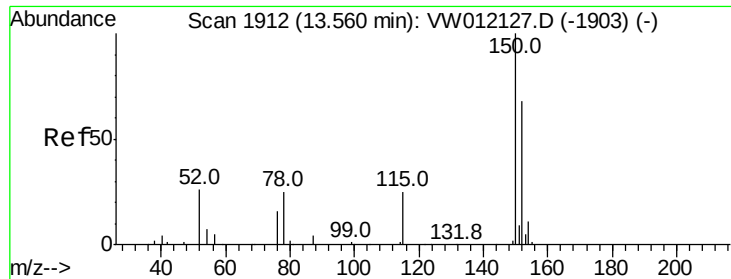
Tot Ion	95	Resp	149117
Ion	Ratio	Lower	Upper
95	100		
174	78.1	0.0	150.8
176	75.5	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012546.D
Acq: 03 Sep 2019 15:04

Tgt Ion	117	Resp	320979
Ion	Ratio	Lower	Upper
117	100		
82	59.2	47.4	71.2
119	31.1	25.4	38.2



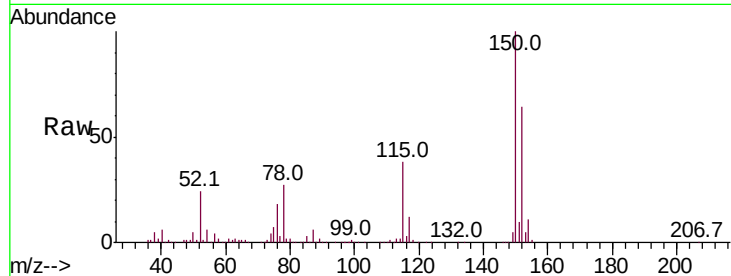


#72

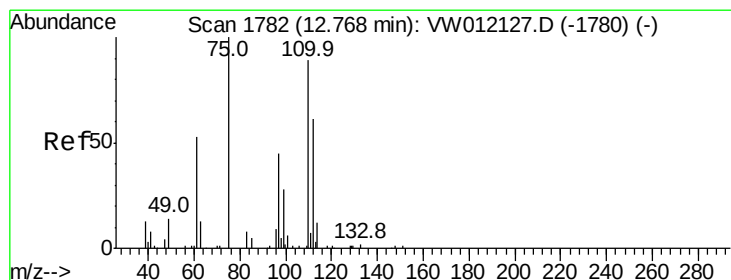
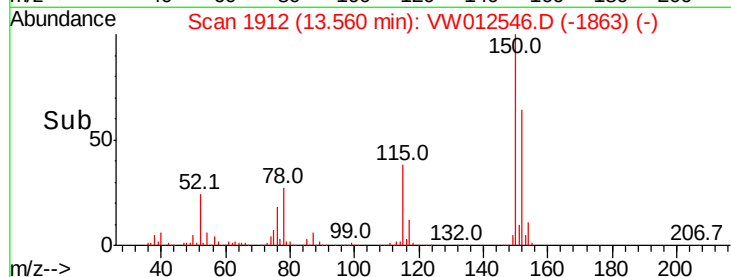
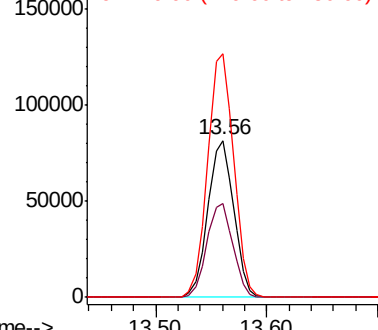
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012546.D
Acq: 03 Sep 2019 15:04

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 131226
Ion Ratio Lower Upper
152 100
115 60.1 30.1 90.3
150 156.6 0.0 345.8



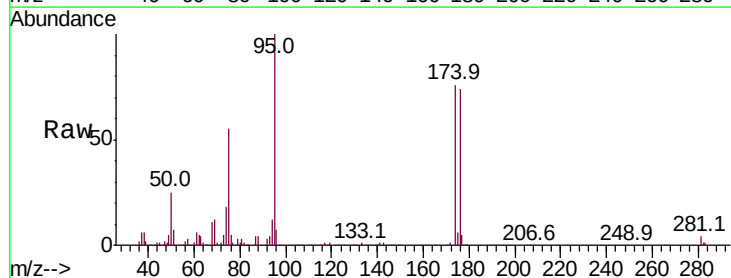
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



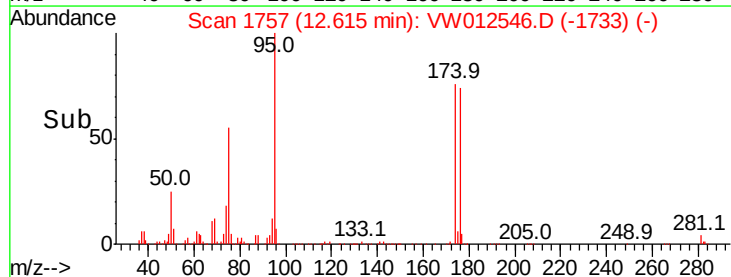
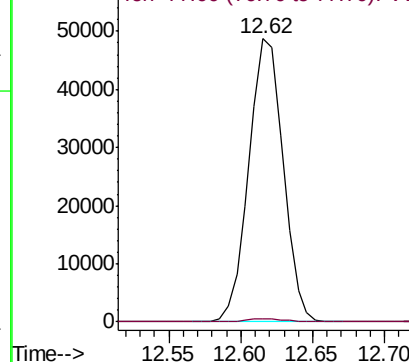
#76

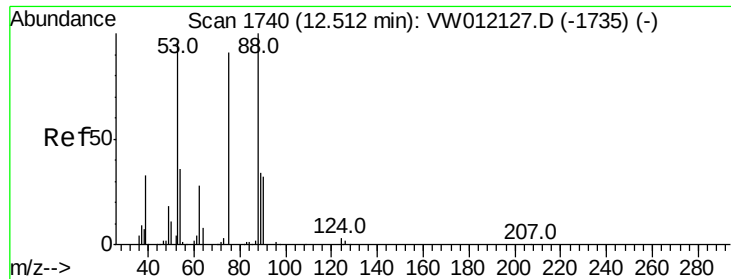
1,2,3-Trichloropropane
Concen: 62.991 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012546.D
Acq: 03 Sep 2019 15:04

Tgt Ion: 75 Resp: 80505
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

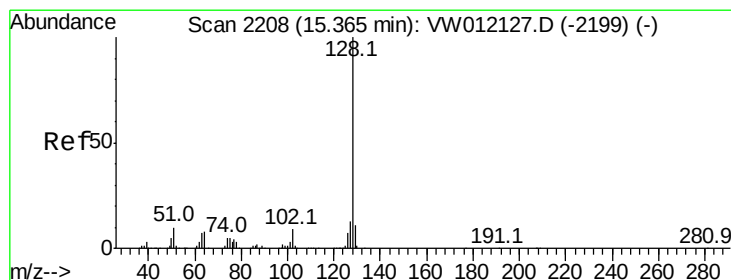
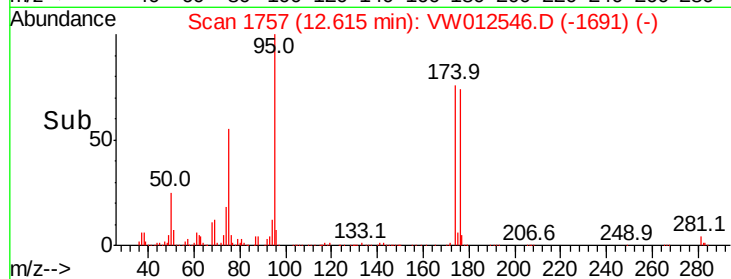
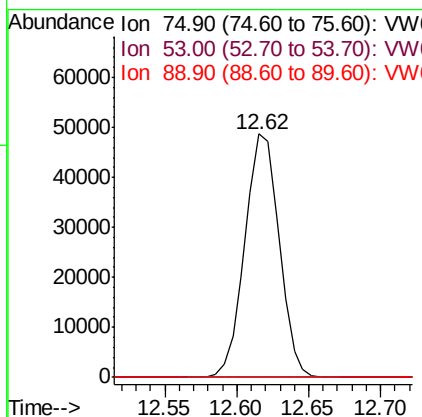
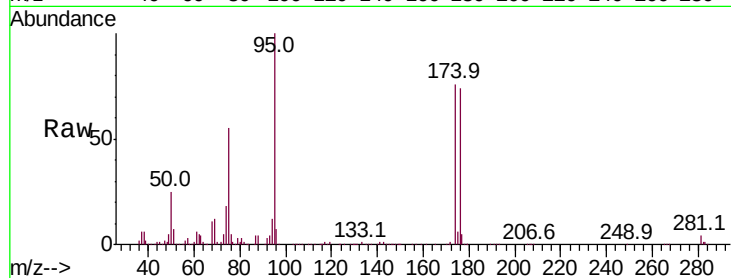




#81
trans-1,4-Dichloro-2-butene
Concen: 138.109 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012546.D
Acq: 03 Sep 2019 15:04

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 80505
Ion Ratio Lower Upper
75 100
53 0.1 89.4 134.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 4.354 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012546.D
Acq: 03 Sep 2019 15:04

Tgt Ion: 128 Resp: 178
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 27.0 8.7 13.1#

