

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083119\
 Data File : VW012393.D
 Acq On : 31 Aug 2019 12:09
 Operator : SY/VA
 Sample : K4493-15
 Misc : 5.15G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 31 17:18:21 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	225428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	373621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	308324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	114200	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	148400	55.38	ug/l	0.00
Spiked Amount			Recovery	=	110.76%	
35) Dibromofluoromethane	7.88	113	116834	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
50) Toluene-d8	10.32	98	458108	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.62	95	139888	43.89	ug/l	0.00
Spiked Amount			Recovery	=	87.78%	

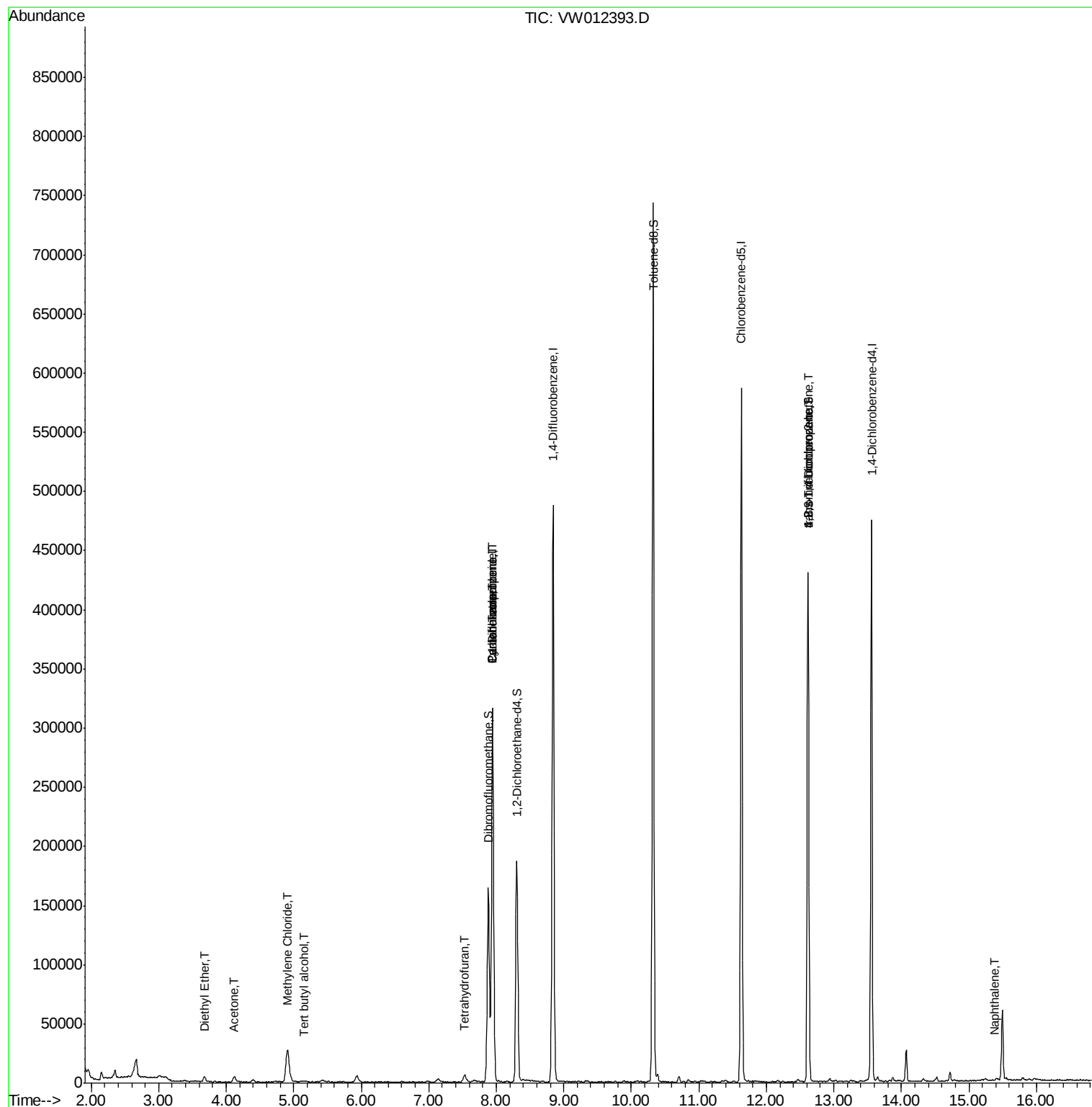
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2082	1.660	ug/l	78
11) Tert butyl alcohol	5.16	59	1539	9.543	ug/l #	71
16) Acetone	4.12	43	9042	13.200	ug/l	99
20) Methylene Chloride	4.91	84	19743	7.624	ug/l	99
29) Tetrahydrofuran	7.54	42	5621	10.065	ug/l	95
31) Cyclohexane	7.95	56	5635	1.167	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19688	5.099	ug/l #	53
38) Carbon Tetrachloride	7.95	117	23183	6.937	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	75688	68.051	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	75688	149.204	ug/l #	6
95) Naphthalene	15.37	128	544	4.436	ug/l #	74

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

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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: VW012393.D

Acq: 31 Aug 2019 12:09

Instrument :

MSVOA_W

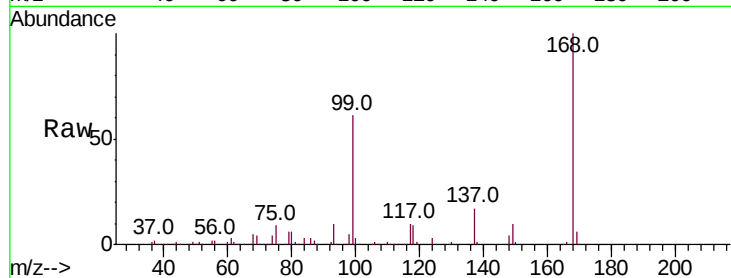
ClientSampled :

Tot Ion:168 Resp: 225428

Ion Ratio Lower Upper

168 100

99 60.7 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

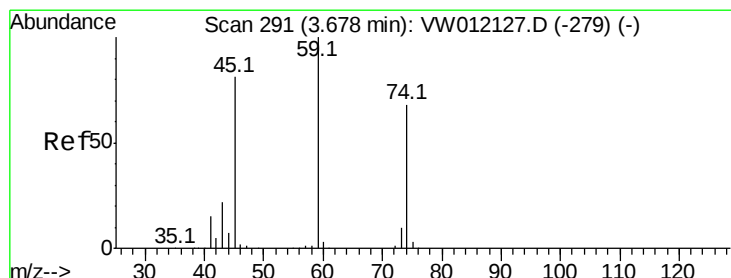
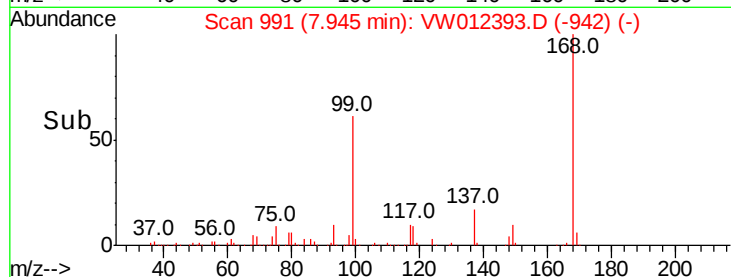
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.660 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012393.D

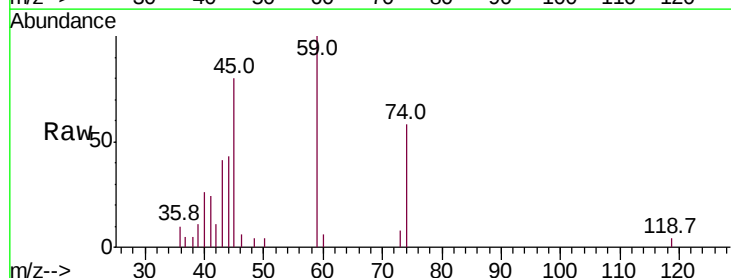
Acq: 31 Aug 2019 12:09

Tgt Ion: 74 Resp: 2082

Ion Ratio Lower Upper

74 100

45 142.3 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

1200

1000

800

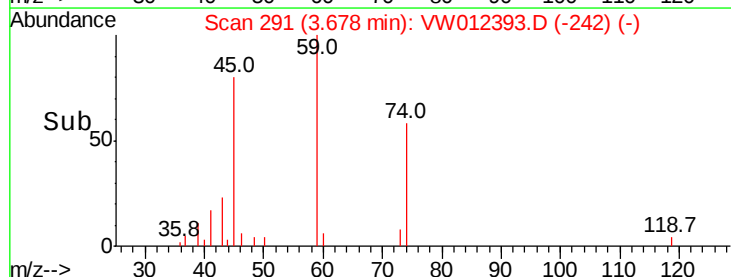
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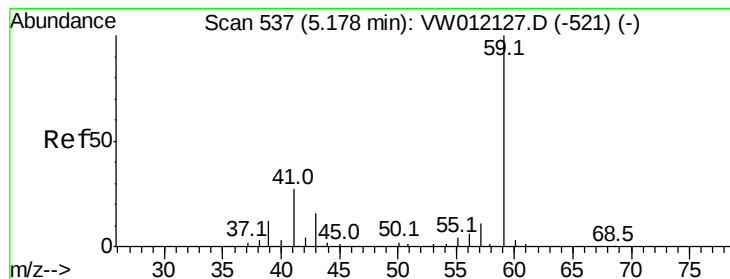
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200

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Time-->



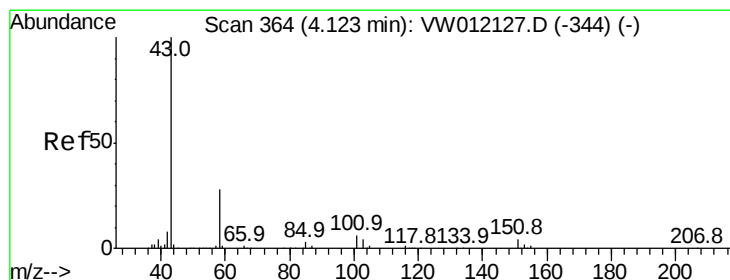
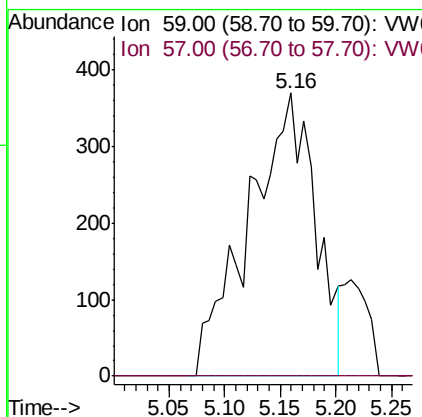
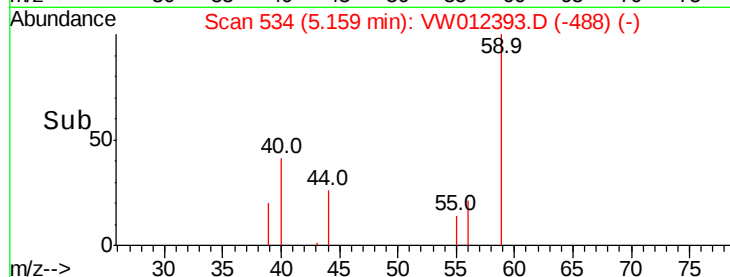
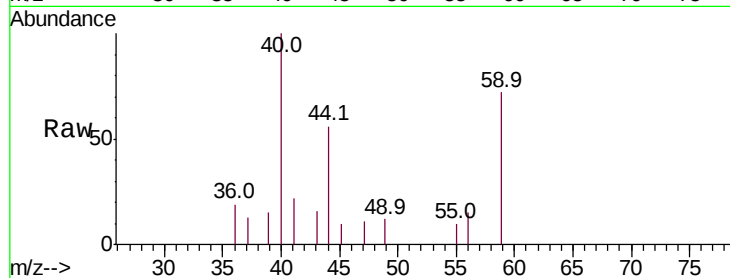


#11

Tert butyl alcohol
 Concen: 9.543 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.02 min
 Lab File: VW012393.D
 Acq: 31 Aug 2019 12:09

Instrument :
 MSVOA_W
 ClientSampled :

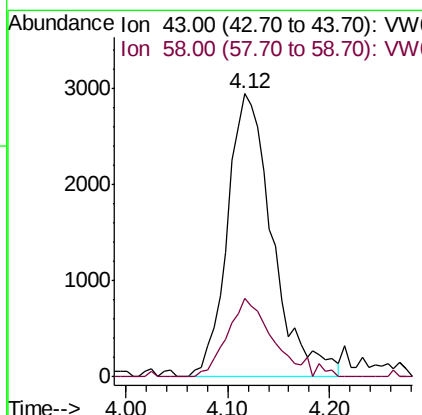
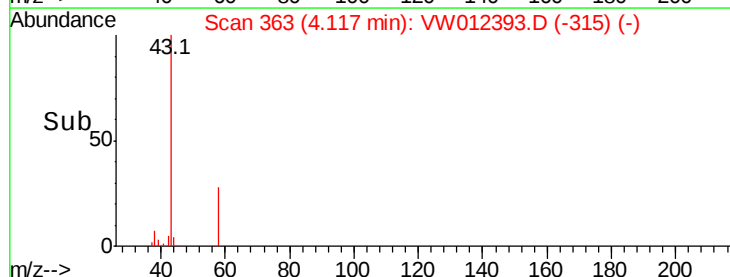
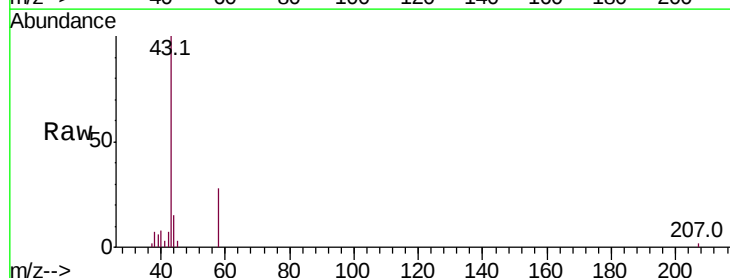
Tot Ion: 59 Resp: 1539
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

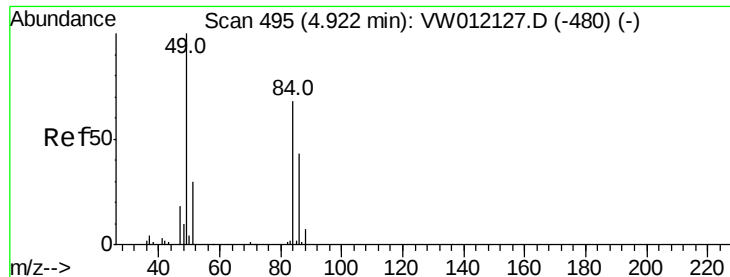


#16

Acetone
 Concen: 13.200 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VW012393.D
 Acq: 31 Aug 2019 12:09

Tgt Ion: 43 Resp: 9042
 Ion Ratio Lower Upper
 43 100
 58 27.6 22.4 33.6

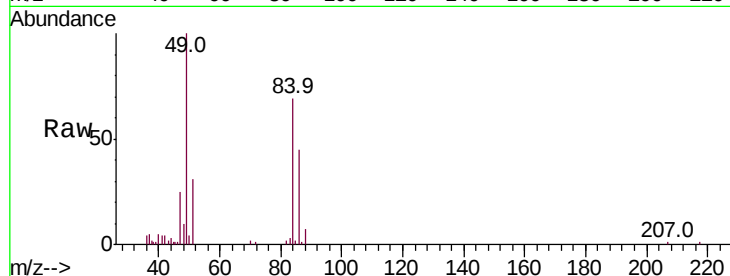




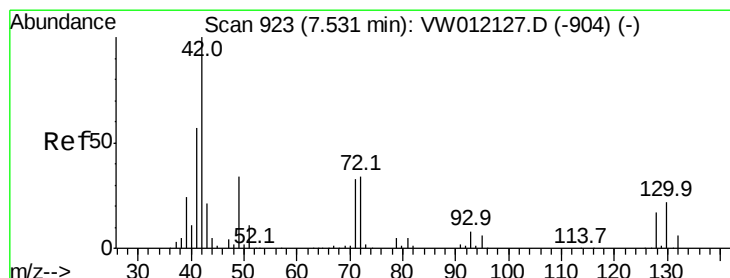
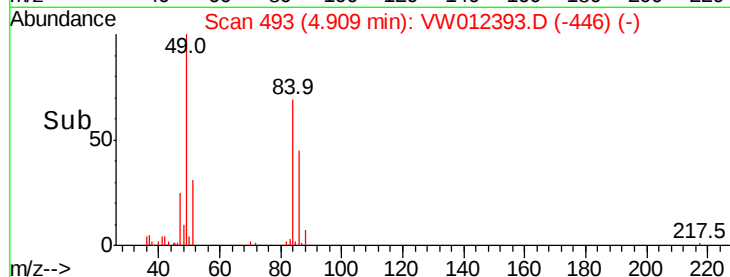
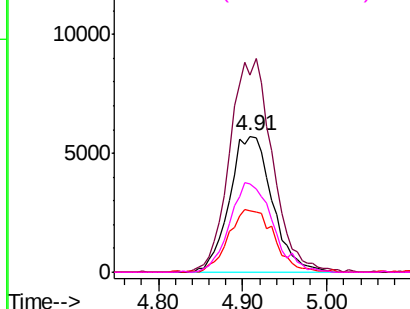
#20
Methvlene Chloride
Concen: 7.624 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012393.D
Acq: 31 Aug 2019 12:09

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	84	Resp:	19743
Ion	Ratio	Lower	Upper
84	100		
49	145.3	117.8	176.8
51	44.9	35.6	53.4
86	65.1	51.2	76.8

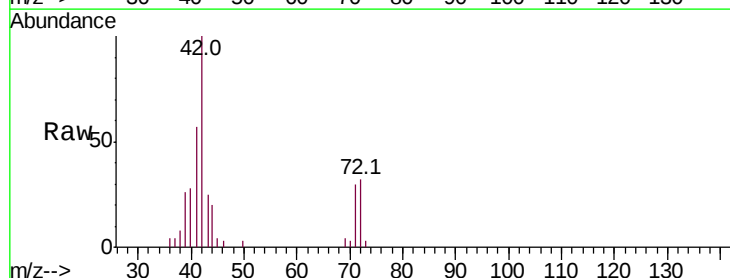


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

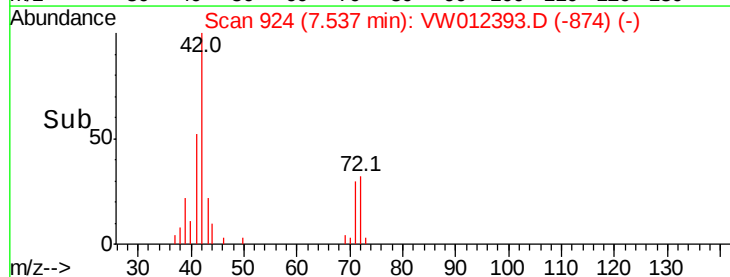
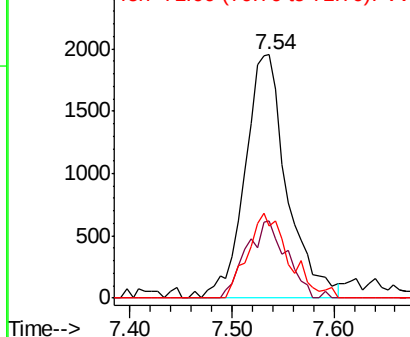


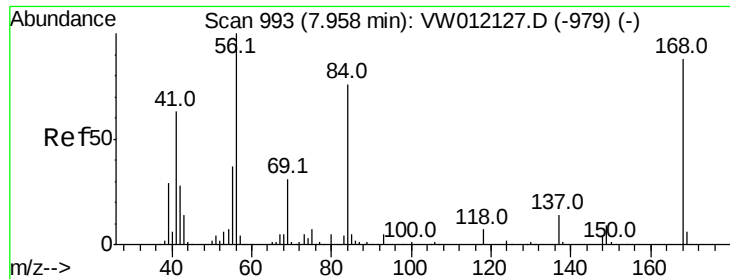
#29
Tetrahydrofuran
Concen: 10.065 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012393.D
Acq: 31 Aug 2019 12:09

Tgt Ion:	42	Resp:	5621
Ion	Ratio	Lower	Upper
42	100		
72	30.0	27.3	40.9
71	34.0	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

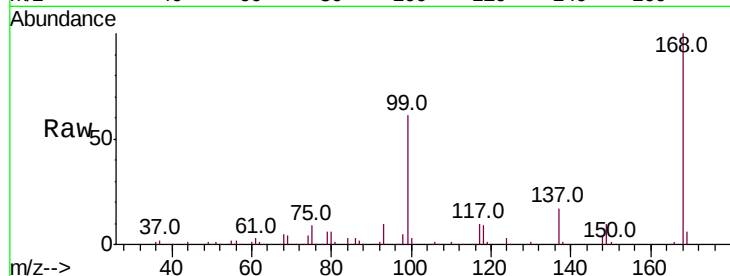




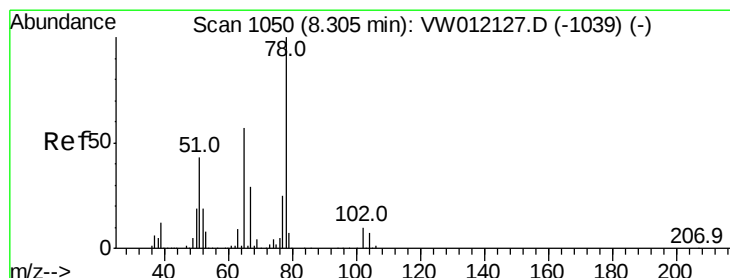
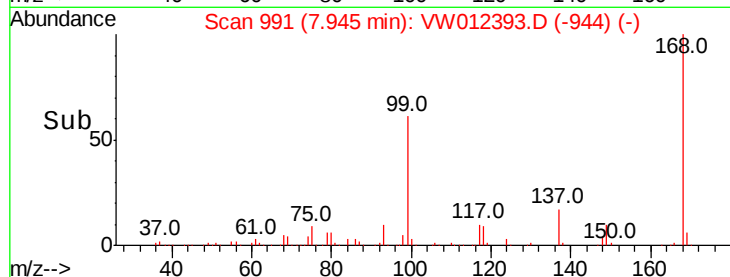
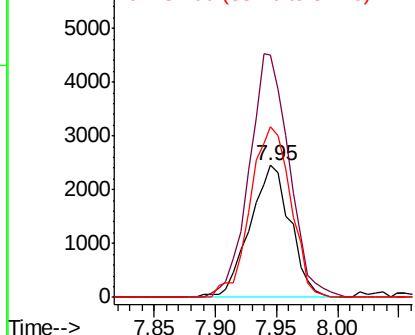
#31
Cyclohexane
Concen: 1.167 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012393.D
Acq: 31 Aug 2019 12:09

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 5635
Ion Ratio Lower Upper
56 100
69 184.1 24.9 37.3#
84 129.1 60.6 90.8#

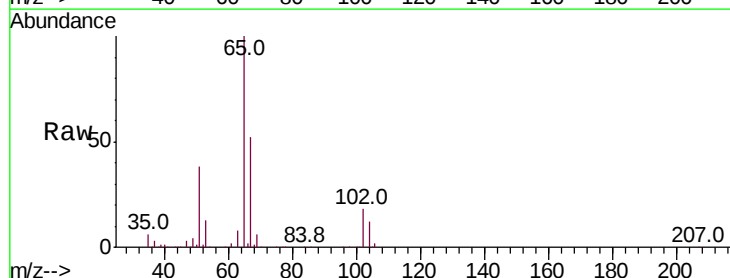


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

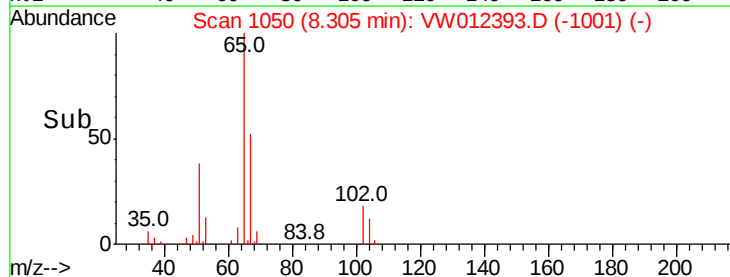
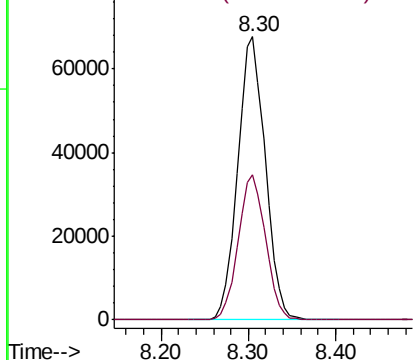


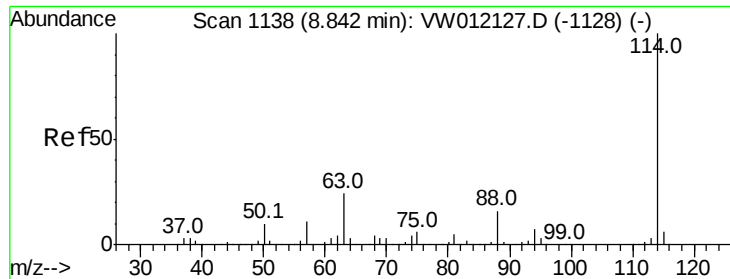
#33
1,2-Dichloroethane-d4
Concen: 55.378 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012393.D
Acq: 31 Aug 2019 12:09

Tgt Ion: 65 Resp: 148400
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.6



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

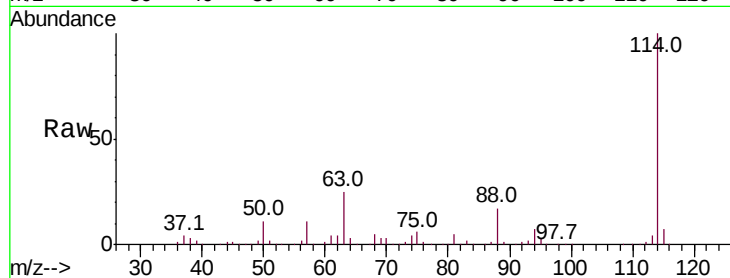




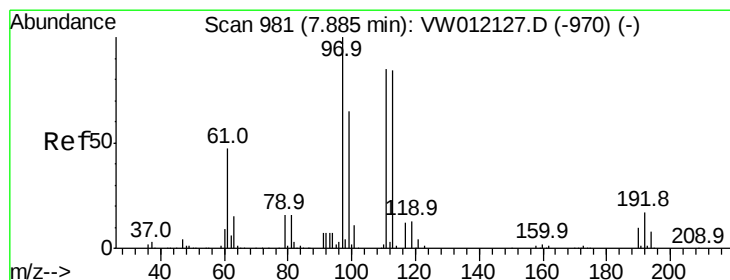
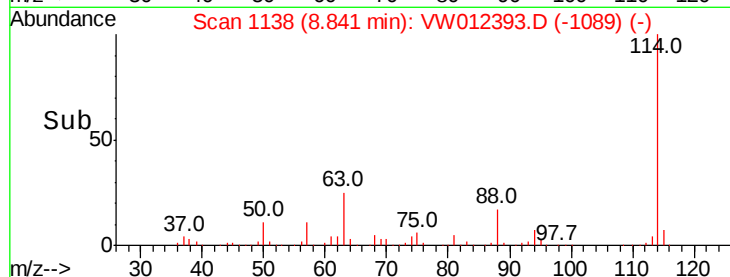
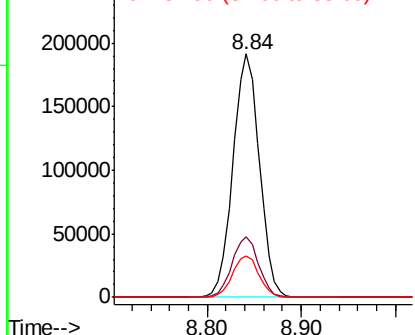
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012393.D
 Acq: 31 Aug 2019 12:09

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:114 Resp: 373621
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 48.6
 88 16.8 0.0 32.2

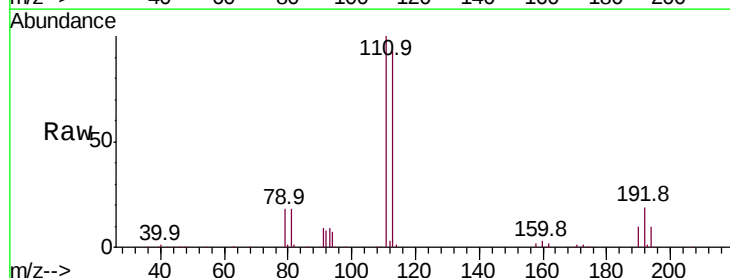


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

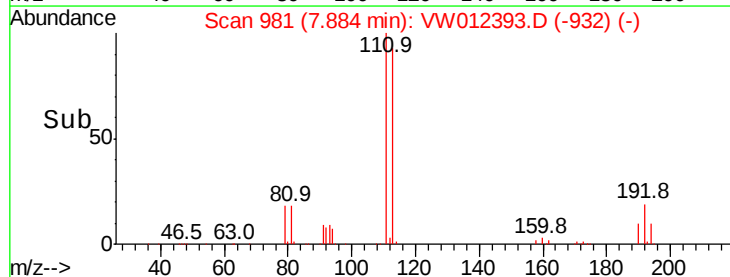
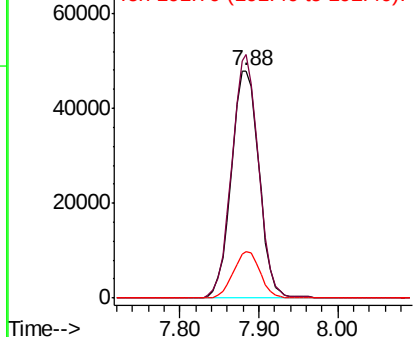


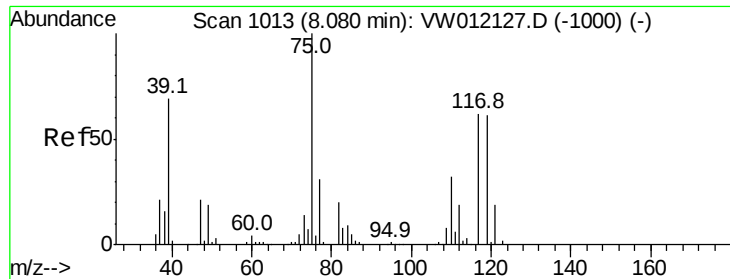
#35
 Dibromofluoromethane
 Concen: 52.388 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012393.D
 Acq: 31 Aug 2019 12:09

Tgt Ion:113 Resp: 116834
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.7 124.1
 192 19.8 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

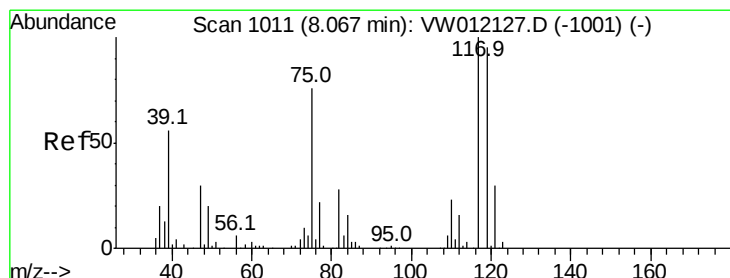
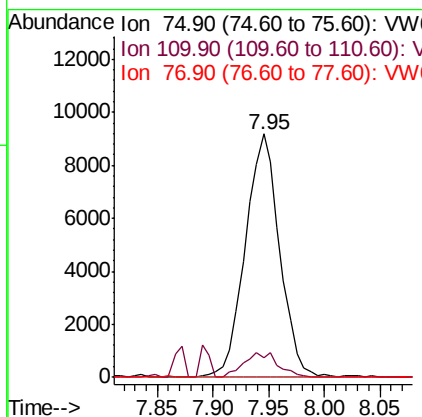
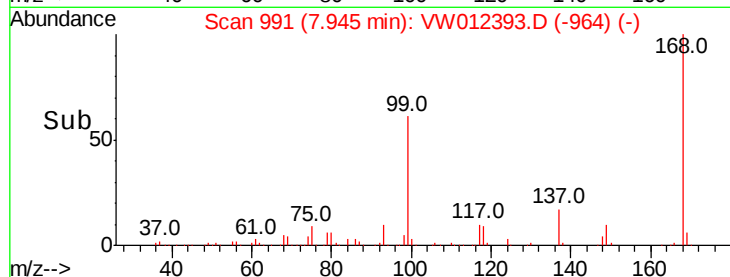
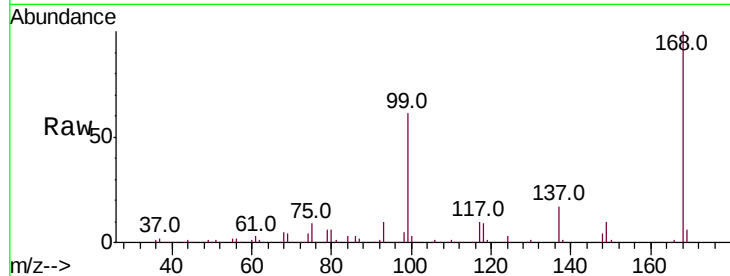




#36
 1,1-Dichloropropene
 Concen: 5.099 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012393.D
 Acq: 31 Aug 2019 12:09

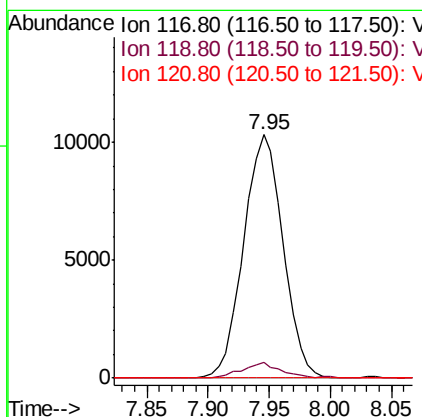
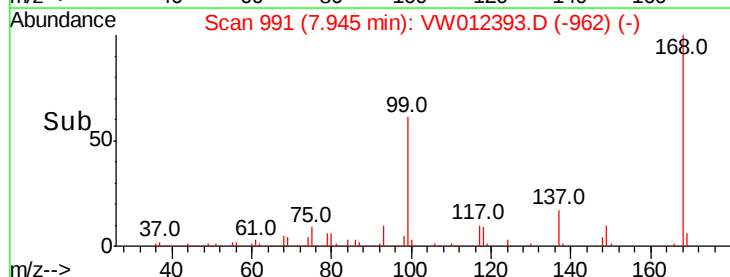
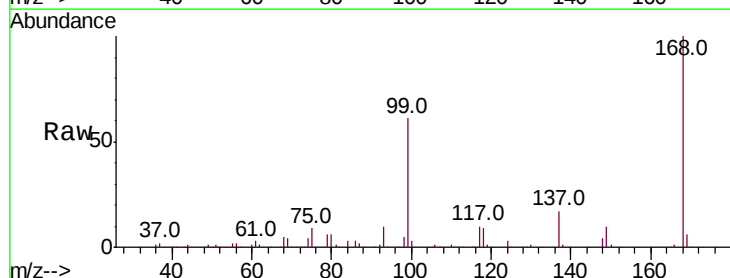
Instrument :
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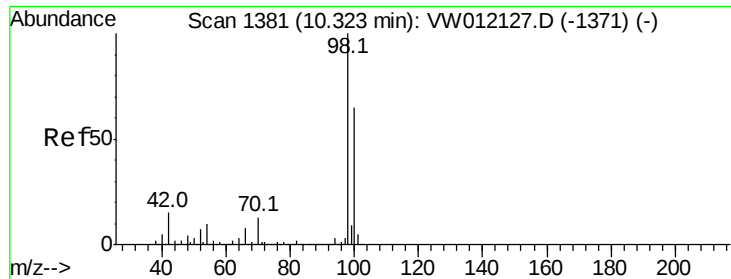
Tot Ion: 75 Resp: 19688
 Ion Ratio Lower Upper
 75 100
 110 10.1 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.937 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012393.D
 Acq: 31 Aug 2019 12:09

Tgt Ion: 117 Resp: 23183
 Ion Ratio Lower Upper
 117 100
 119 6.5 76.2 114.2#
 121 0.0 23.8 35.8#

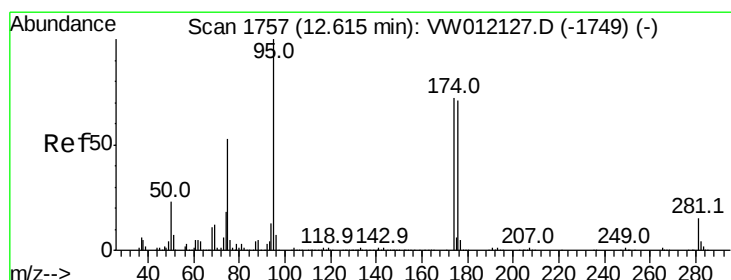
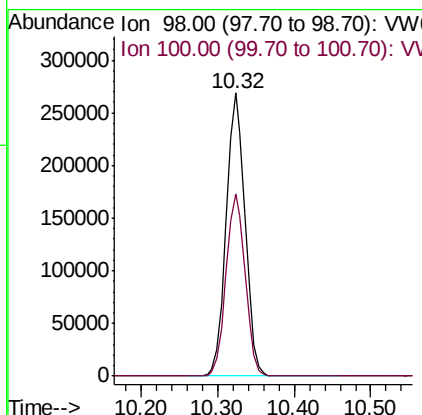
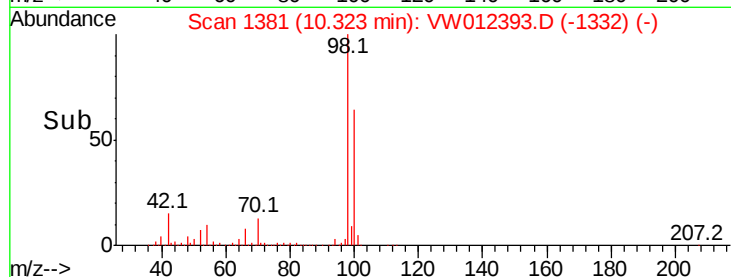
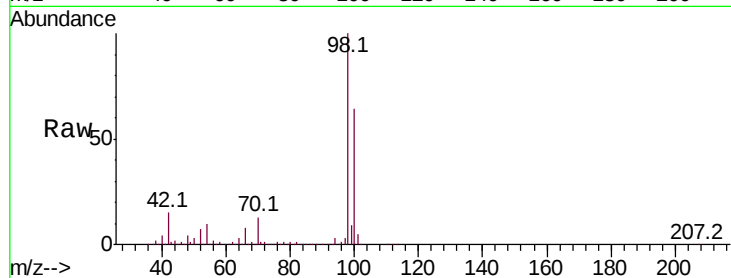




#50
Toluene-d8
Concen: 50.661 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012393.D
Acq: 31 Aug 2019 12:09

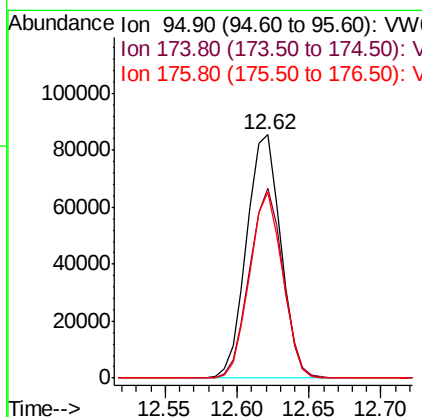
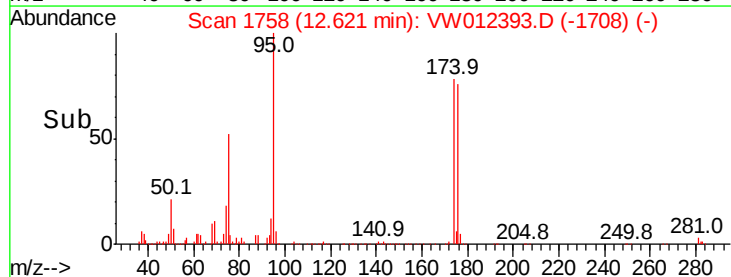
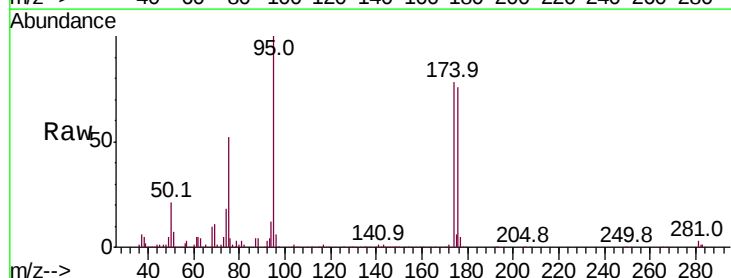
Instrument :
MSVOA_W
ClientSampleId :

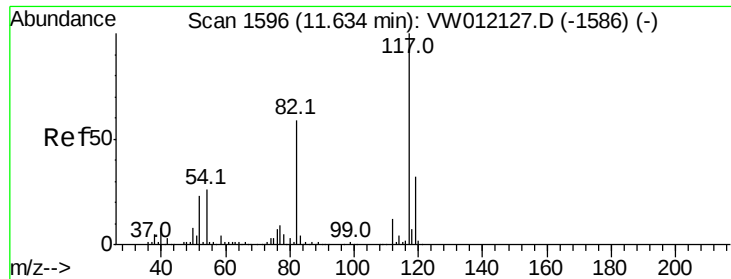
Tot Ion: 98 Resp: 458108
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 43.886 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW012393.D
Acq: 31 Aug 2019 12:09

Tgt Ion: 95 Resp: 139888
Ion Ratio Lower Upper
95 100
174 76.4 0.0 150.8
176 73.9 0.0 148.6

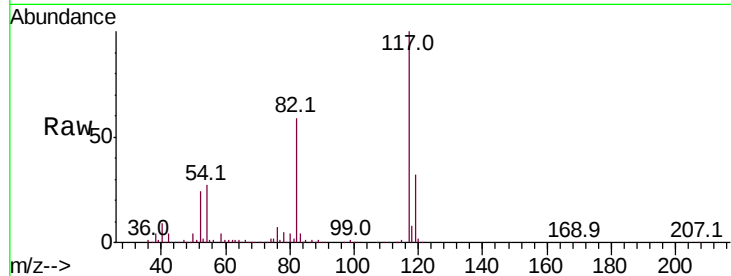




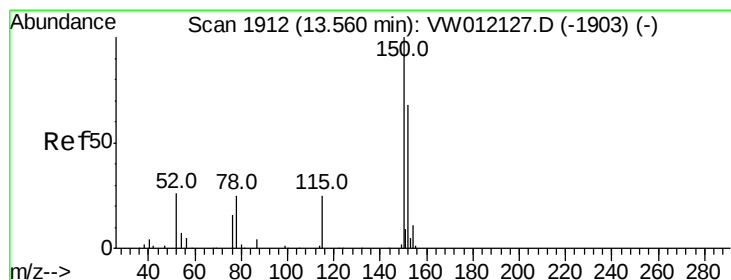
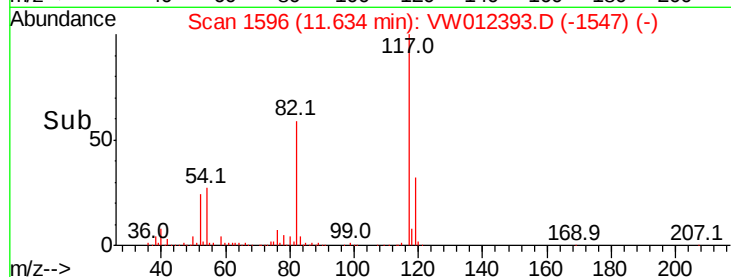
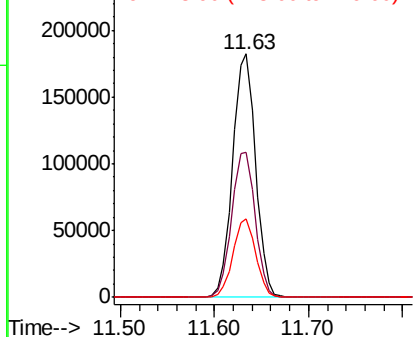
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012393.D
Acq: 31 Aug 2019 12:09

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 308324
Ion Ratio Lower Upper
117 100
82 59.4 47.4 71.2
119 32.1 25.4 38.2

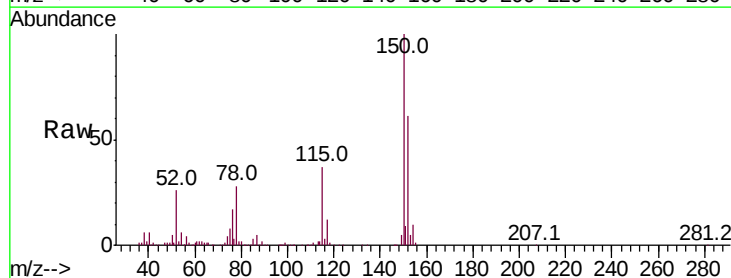


Abundance Ion 116.90 (116.60 to 117.60): V
250000
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

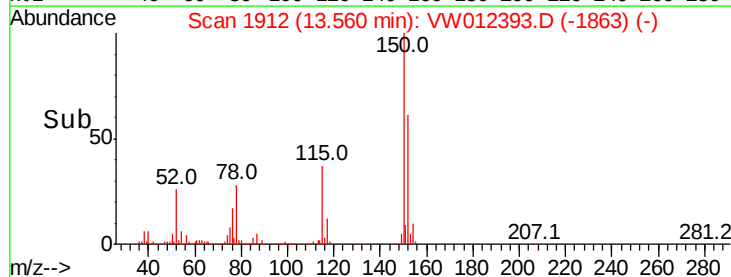
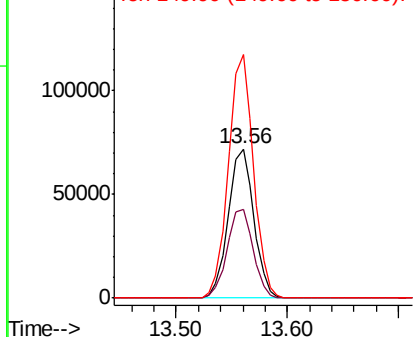


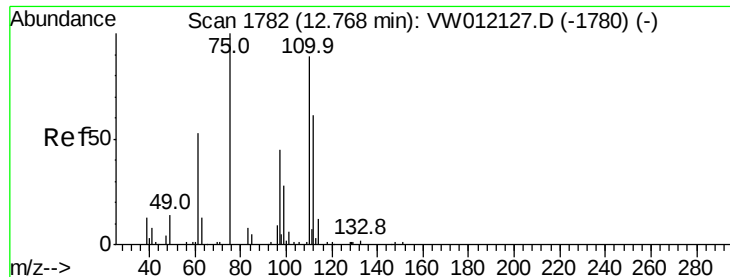
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012393.D
Acq: 31 Aug 2019 12:09

Tgt Ion:152 Resp: 114200
Ion Ratio Lower Upper
152 100
115 60.9 30.1 90.3
150 160.0 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V
150000
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 68.051 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012393.D

Acq: 31 Aug 2019 12:09

Instrument :

MSVOA_W

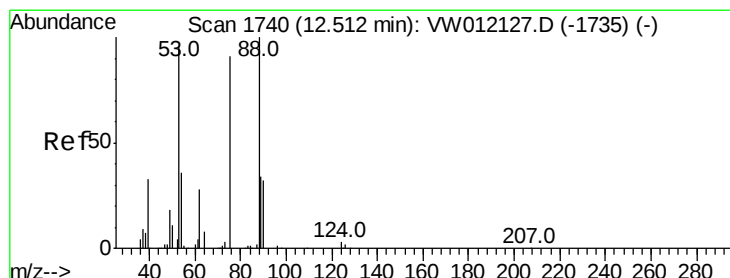
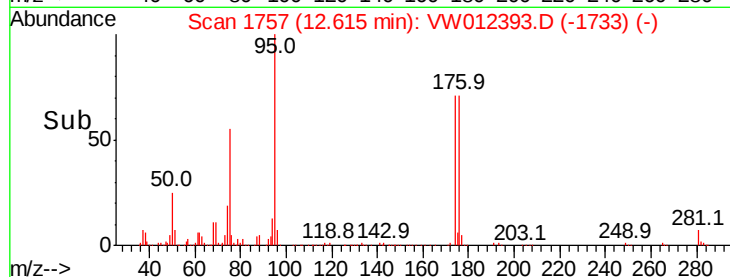
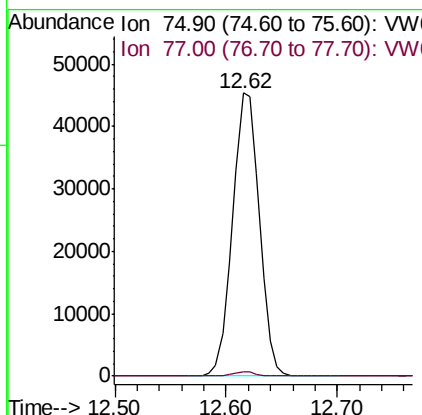
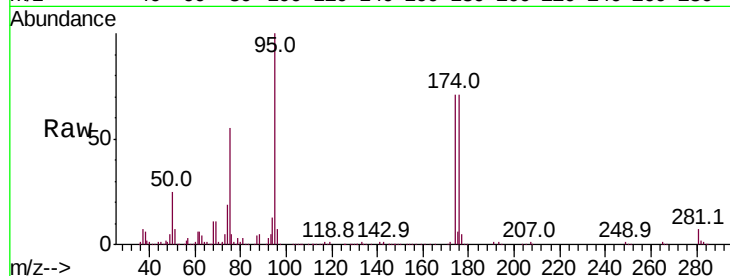
ClientSampled :

Tot Ion: 75 Resp: 75688

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 149.204 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012393.D

Acq: 31 Aug 2019 12:09

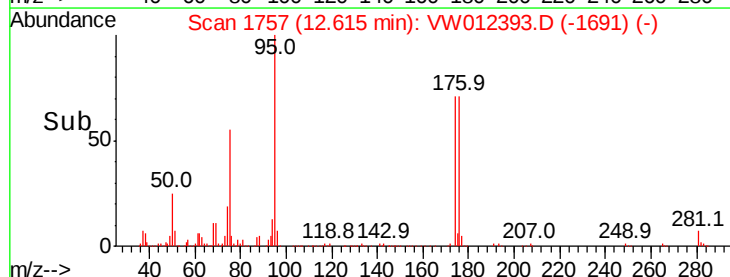
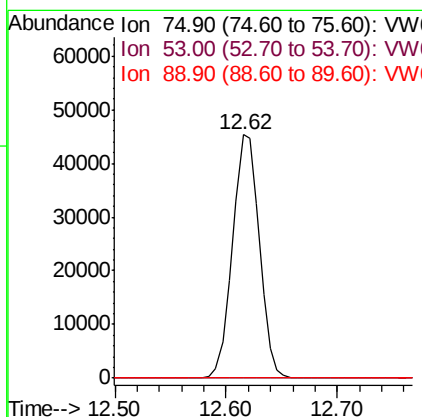
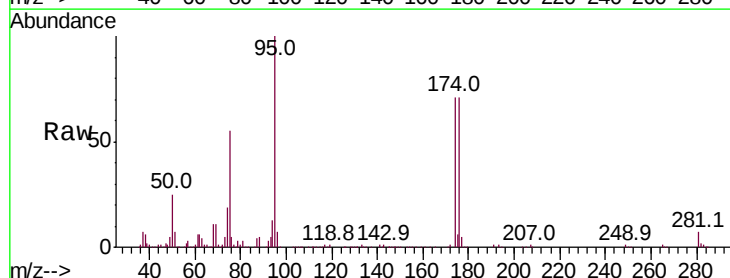
Tgt Ion: 75 Resp: 75688

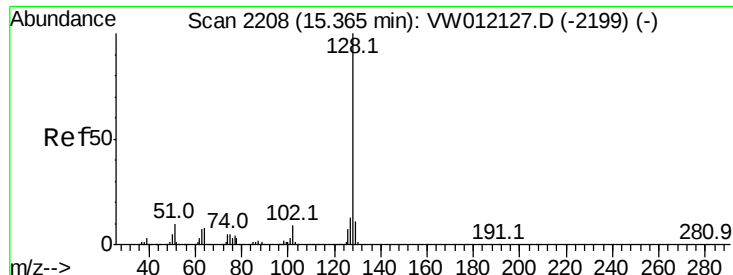
Ion Ratio Lower Upper

75 100

53 0.3 89.4 134.0#

89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 4.436 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012393.D

Acq: 31 Aug 2019 12:09

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:128 Resp: 544

Ion Ratio Lower Upper

128 100

127 3.7 10.7 16.1#

129 0.0 8.7 13.1#

