

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120418\
 Data File : VW007224.D
 Acq On : 05 Dec 2018 09:06
 Operator : SY/AP
 Sample : J6208-15
 Misc : 6.18G/5ML/MSVOA W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 05 10:59:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	45245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	75240	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	54415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	14125	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	22156	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
35) Dibromofluoromethane	7.89	113	20964	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
50) Toluene-d8	10.33	98	73366	38.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.32%	
62) 4-Bromofluorobenzene	12.62	95	19902	27.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	55.56%	

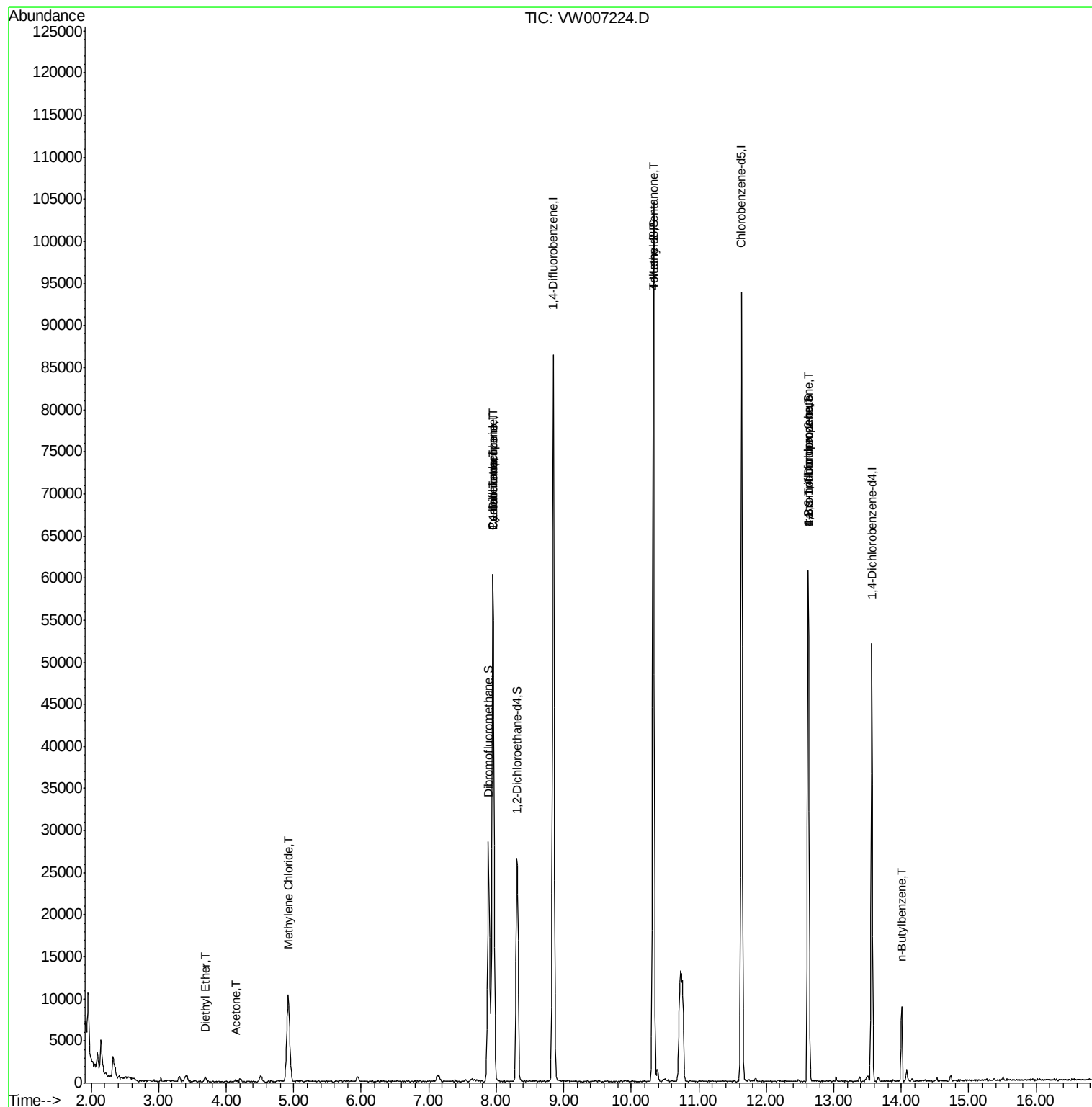
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	299	1.402	ug/l	84
16) Acetone	4.14	43	344	3.450	ug/l #	45
20) Methylene Chloride	4.92	84	8028	12.024	ug/l	96
31) Cyclohexane	7.95	56	857	1.025	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	3215	4.391	ug/l #	52
38) Carbon Tetrachloride	7.95	117	4675	6.256	ug/l #	19
51) 4-Methyl-2-Pentanone	10.32	43	256	1.010	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	9578	87.573	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	9578	188.752	ug/l #	13
89) n-Butylbenzene	14.01	91	1222	1.198	ug/l #	48

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

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Quant Title : SW846 8260
QLast Update : Wed Dec 05 01:35:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007224.D

Acq: 05 Dec 2018 09:06

Instrument :

MSVOA_W

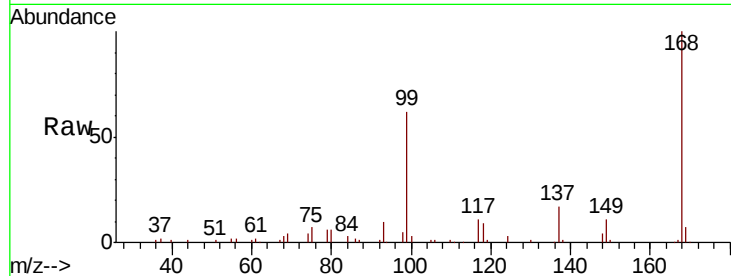
ClientSampleId :

Tot Ion:168 Resp: 45245

Ion Ratio Lower Upper

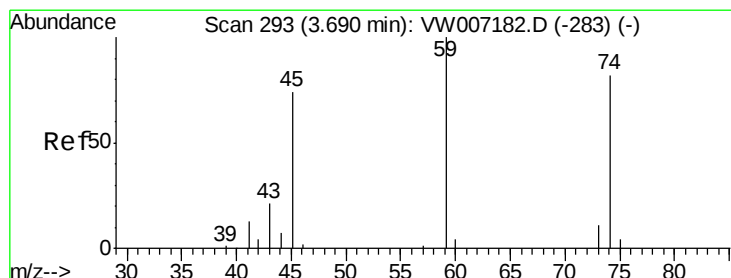
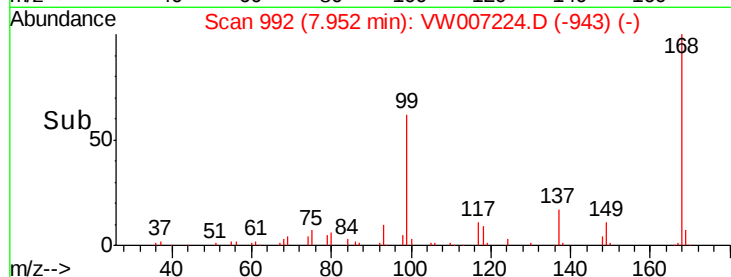
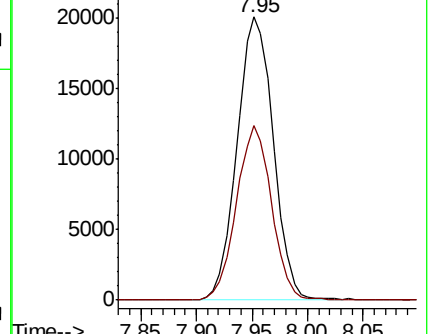
168 100

99 61.8 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.402 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.01 min

Lab File: VW007224.D

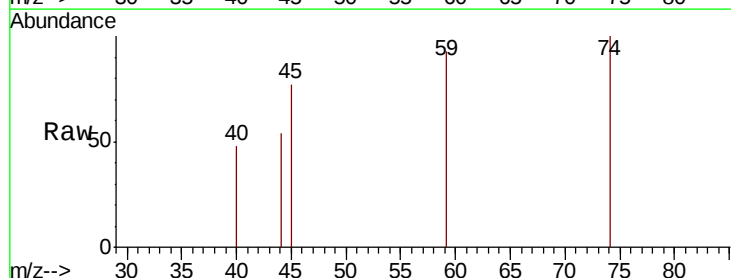
Acq: 05 Dec 2018 09:06

Tgt Ion: 74 Resp: 299

Ion Ratio Lower Upper

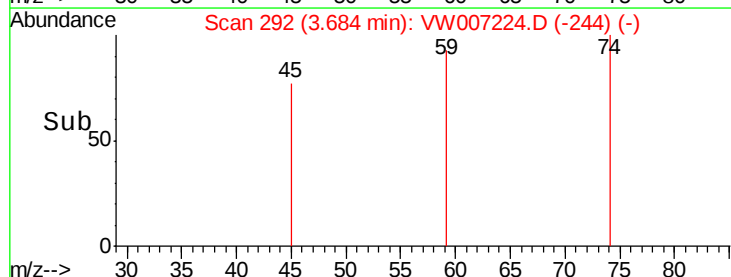
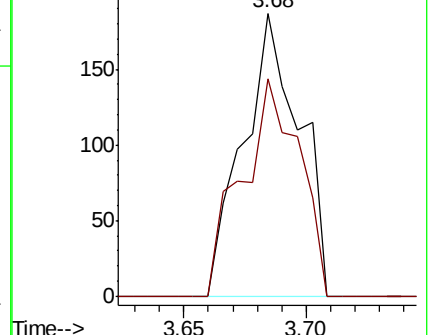
74 100

45 78.6 47.2 141.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 3.450 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW007224.D

Acq: 05 Dec 2018 09:06

Instrument :

MSVOA_W

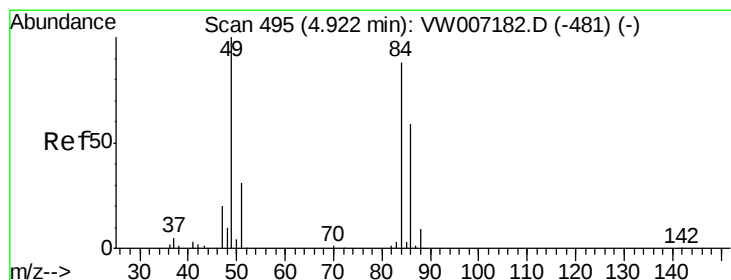
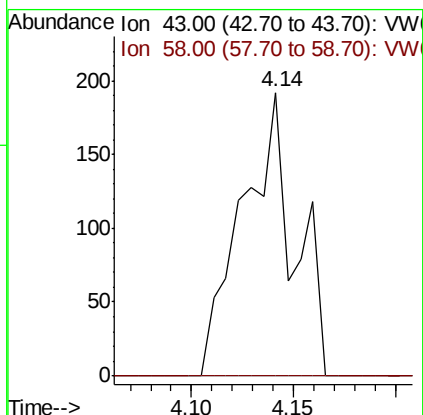
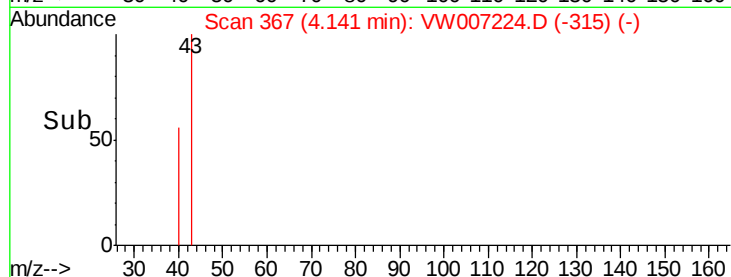
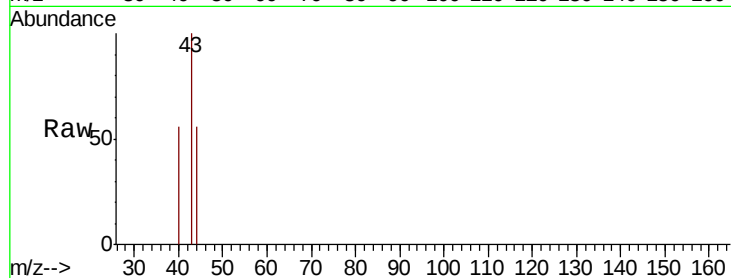
ClientSampleId :

Tot Ion: 43 Resp: 344

Ion Ratio Lower Upper

43 100

58 0.0 23.8 35.8#



#20

Methylene Chloride

Concen: 12.024 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW007224.D

Acq: 05 Dec 2018 09:06

Tgt Ion: 84 Resp: 8028

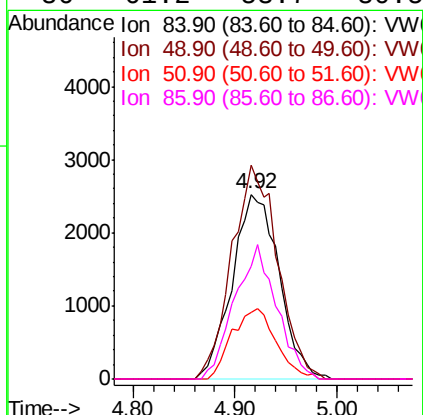
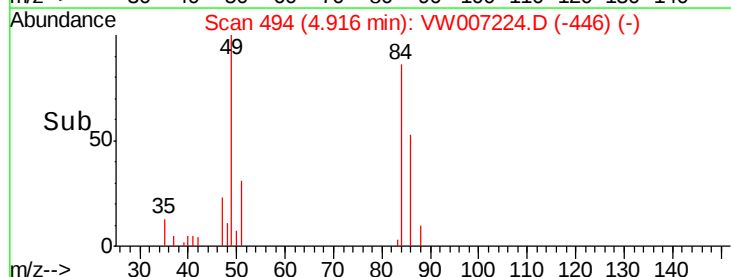
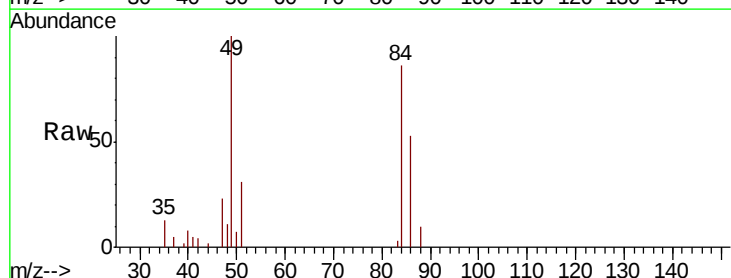
Ion Ratio Lower Upper

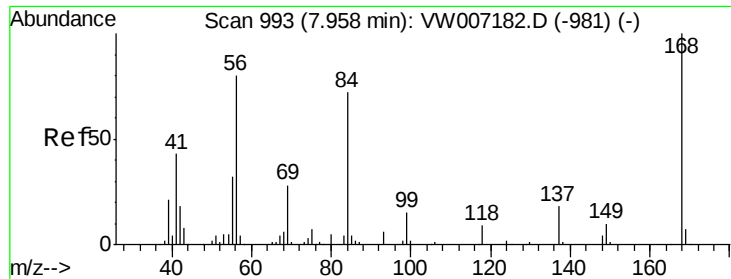
84 100

49 115.8 90.6 135.8

51 36.4 27.6 41.4

86 61.2 53.7 80.5

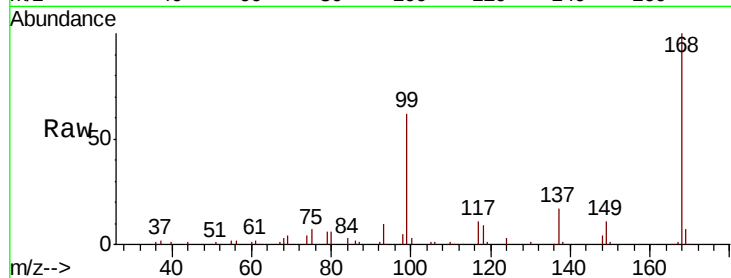




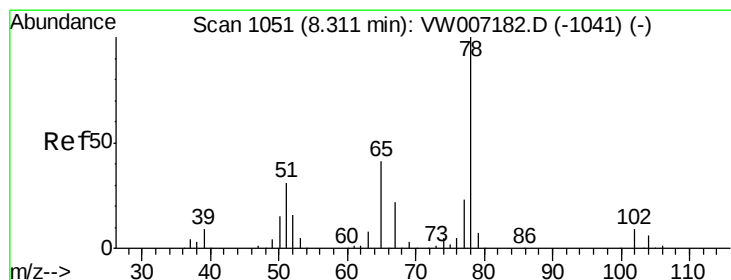
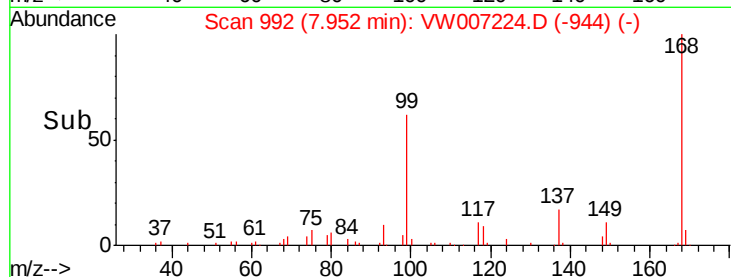
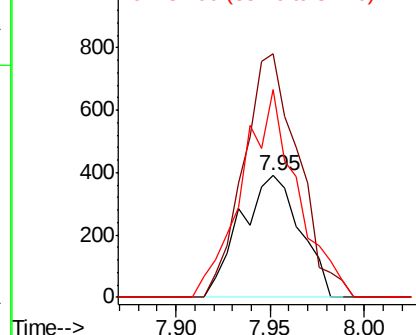
#31
Cyclohexane
Concen: 1.025 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW007224.D
Acq: 05 Dec 2018 09:06

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 857
Ion Ratio Lower Upper
56 100
69 200.3 28.2 42.2#
84 170.5 72.1 108.1#

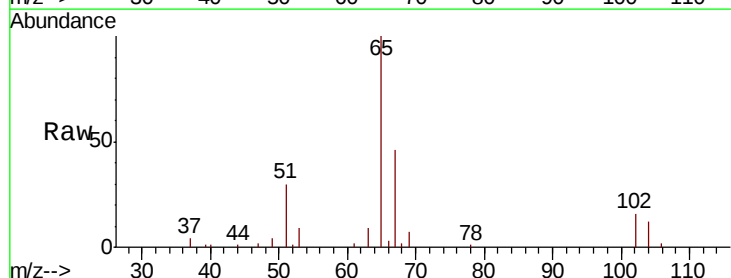


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

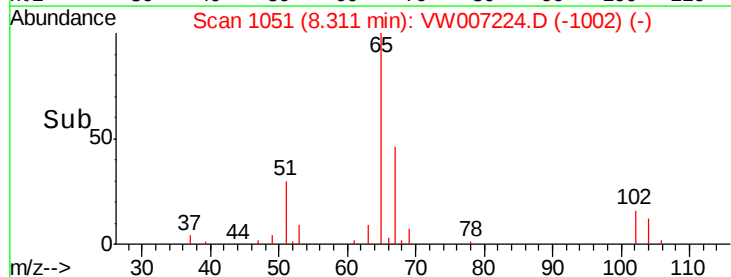
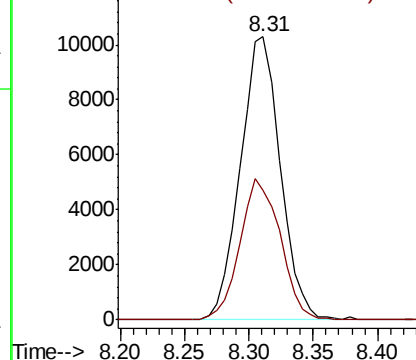


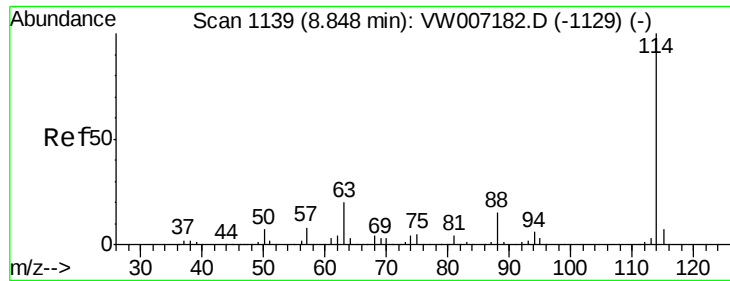
#33
1,2-Dichloroethane-d4
Concen: 52.596 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW007224.D
Acq: 05 Dec 2018 09:06

Tgt Ion: 65 Resp: 22156
Ion Ratio Lower Upper
65 100
67 50.3 0.0 106.4



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

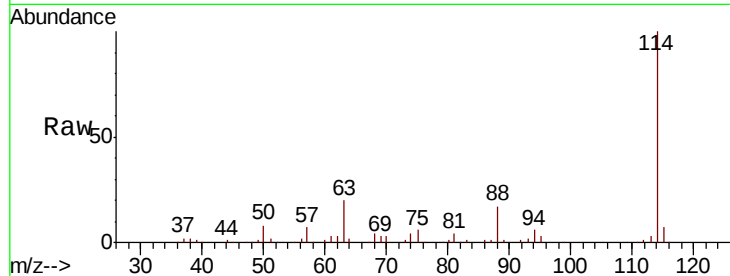




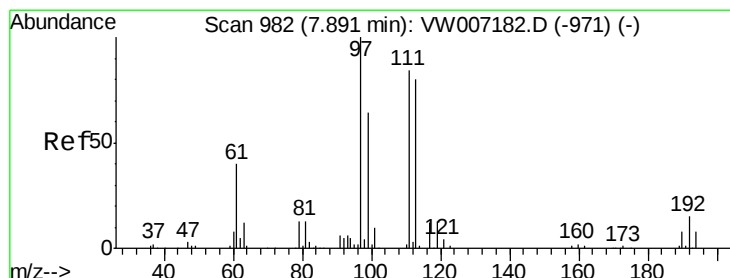
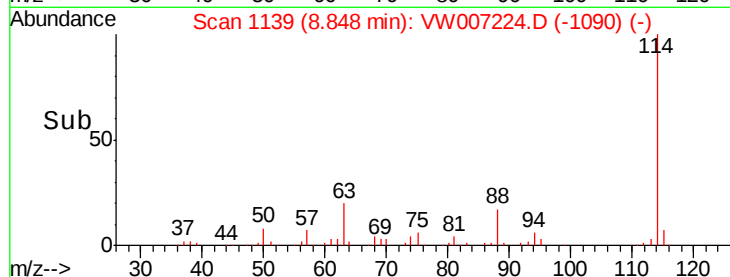
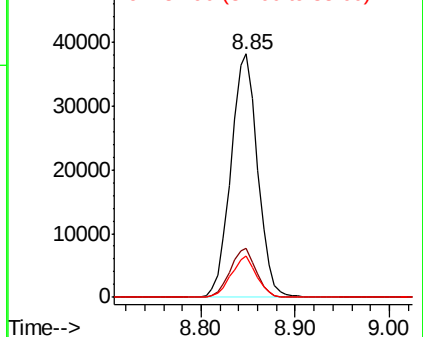
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW007224.D
 Acq: 05 Dec 2018 09:06

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 75240
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.2
 88 16.7 0.0 30.0

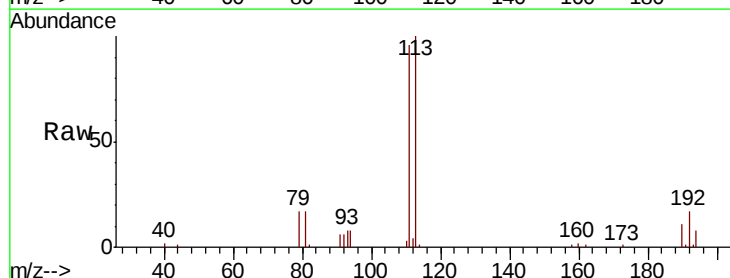


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

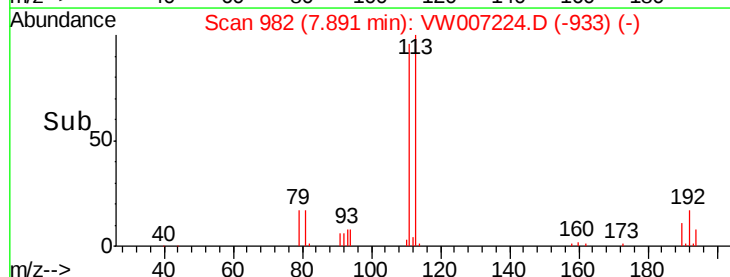
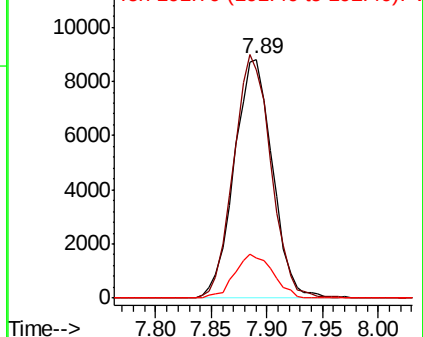


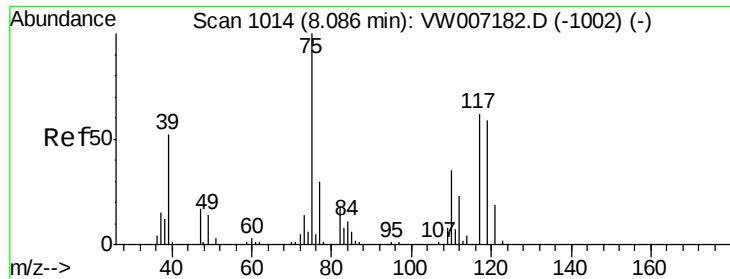
#35
 Dibromofluoromethane
 Concen: 48.660 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW007224.D
 Acq: 05 Dec 2018 09:06

Tgt Ion:113 Resp: 20964
 Ion Ratio Lower Upper
 113 100
 111 99.9 82.2 123.4
 192 18.4 14.4 21.6



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

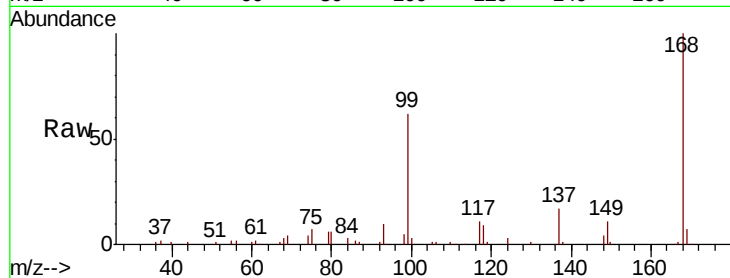




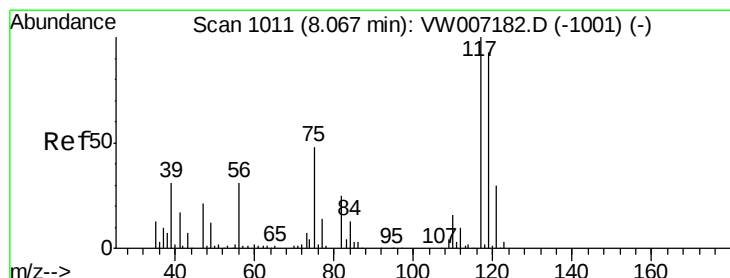
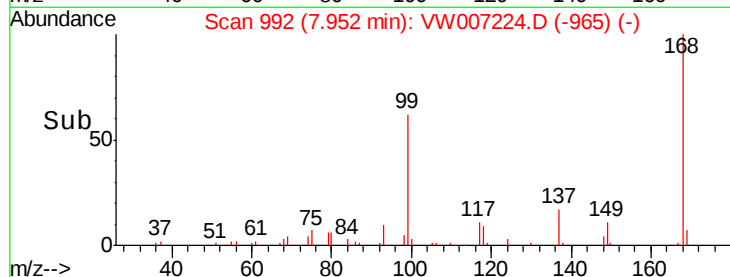
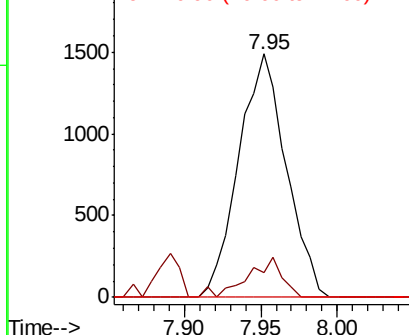
#36
 1,1-Dichloropropene
 Concen: 4.391 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007224.D
 Acq: 05 Dec 2018 09:06

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 3215
 Ion Ratio Lower Upper
 75 100
 110 11.9 18.3 54.9#
 77 0.0 24.9 37.3#

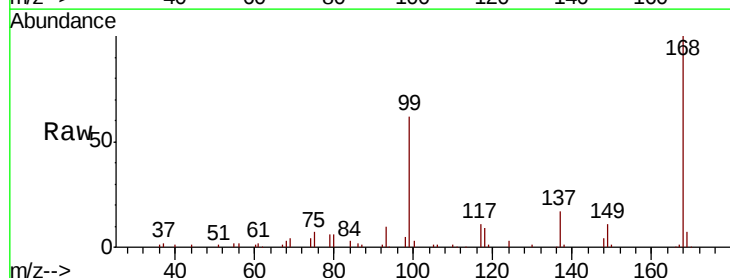


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

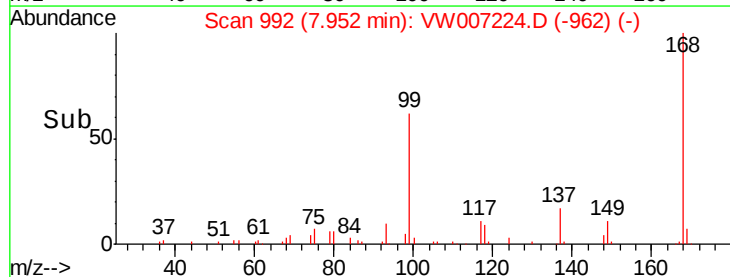
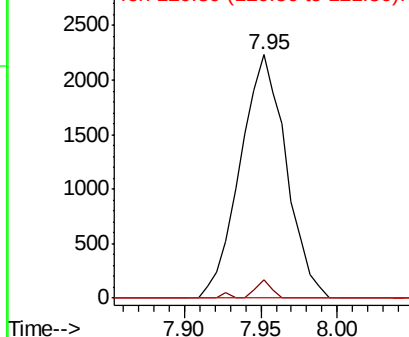


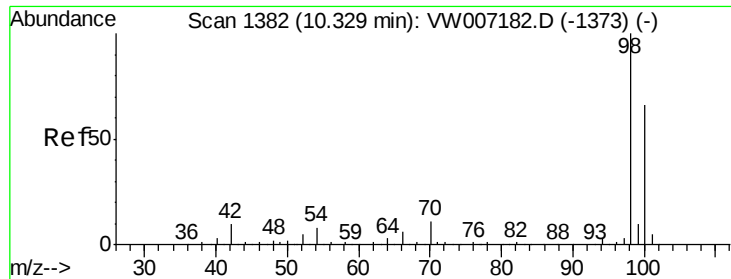
#38
 Carbon Tetrachloride
 Concen: 6.256 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW007224.D
 Acq: 05 Dec 2018 09:06

Tgt Ion: 117 Resp: 4675
 Ion Ratio Lower Upper
 117 100
 119 7.7 74.1 111.1#
 121 0.0 23.9 35.9#



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





#50

Toluene-d8

Concen: 38.659 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW007224.D

Acq: 05 Dec 2018 09:06

Instrument :

MSVOA_W

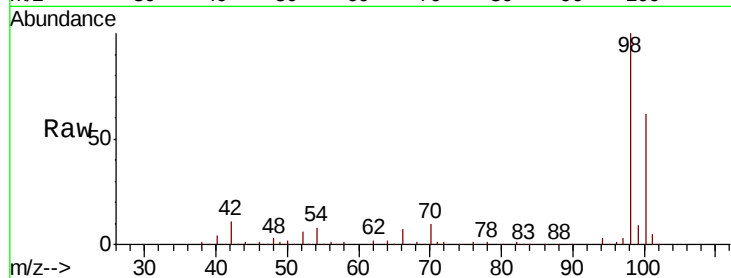
ClientSampleId :

Tot Ion: 98 Resp: 73366

Ion Ratio Lower Upper

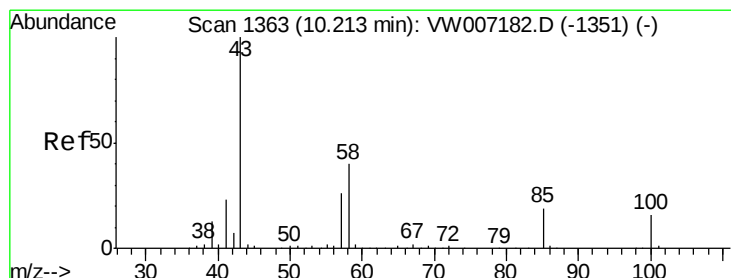
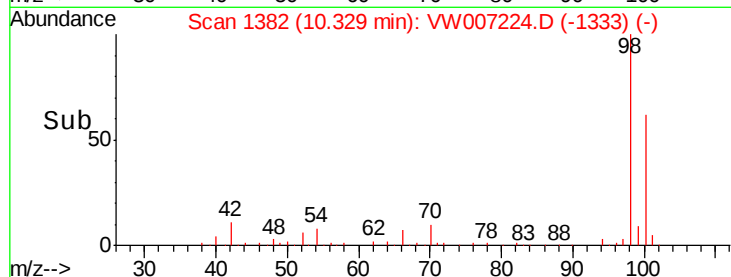
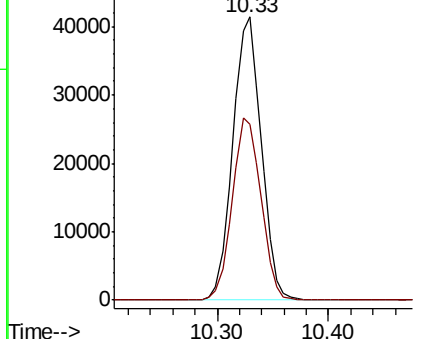
98 100

100 64.8 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.010 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW007224.D

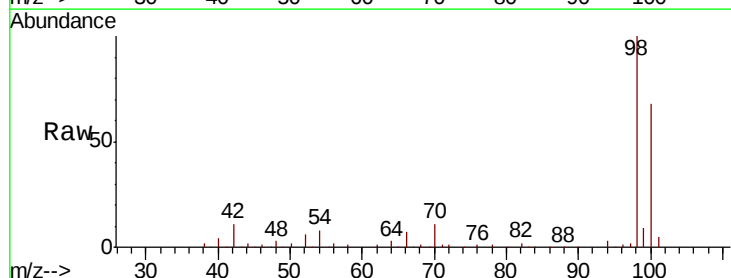
Acq: 05 Dec 2018 09:06

Tgt Ion: 43 Resp: 256

Ion Ratio Lower Upper

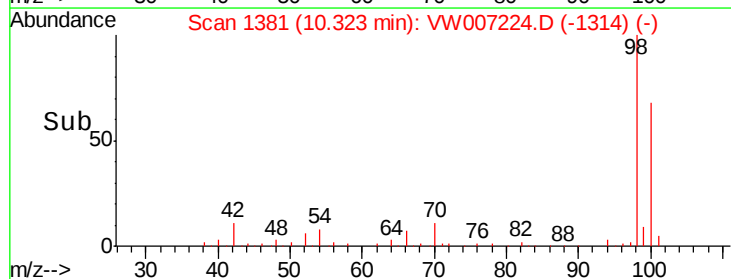
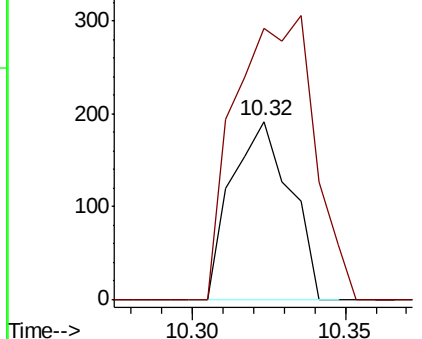
43 100

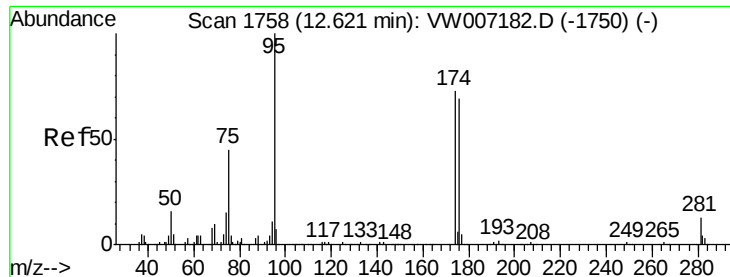
58 213.7 32.3 48.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

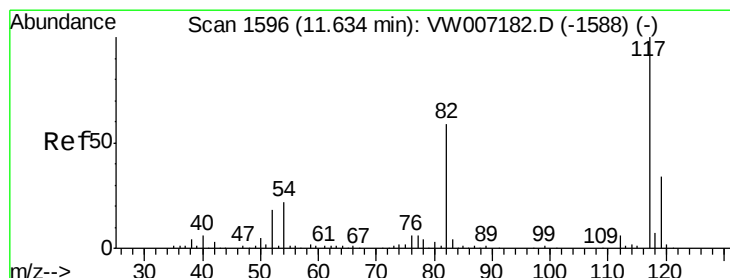
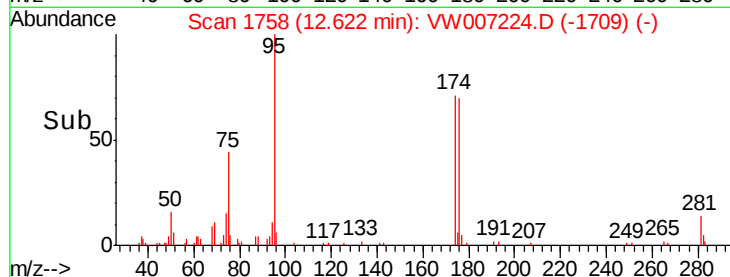
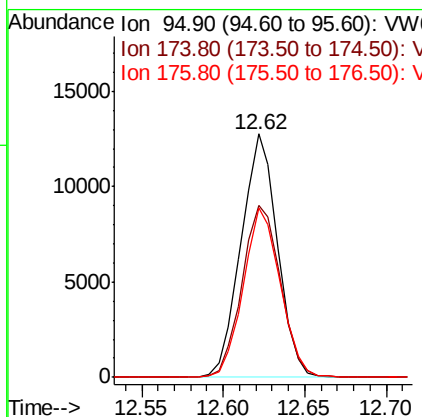
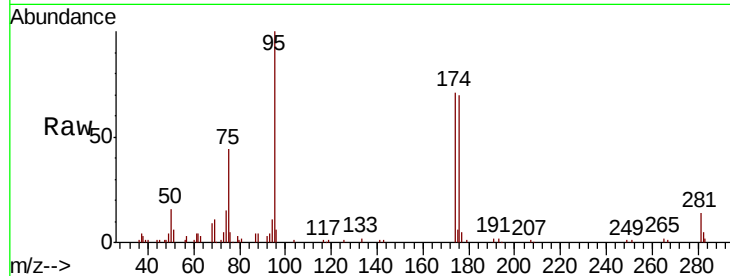




#62
4-Bromofluorobenzene
Concen: 27.784 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW007224.D
Acq: 05 Dec 2018 09:06

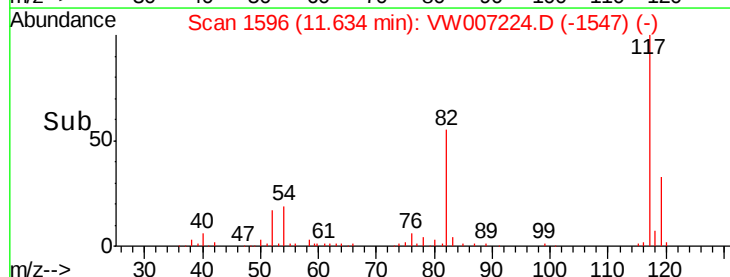
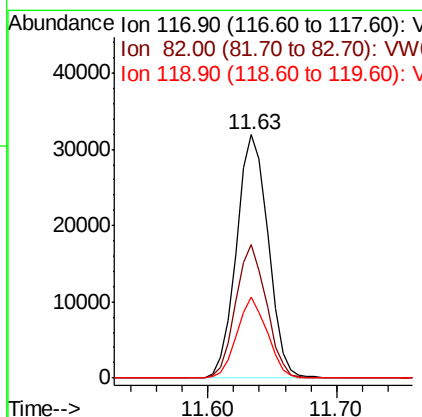
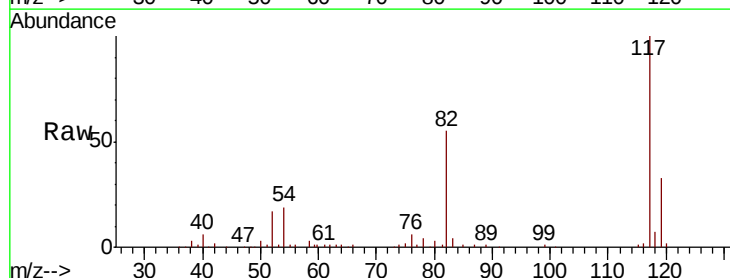
Instrument :
MSVOA_W
ClientSampleId :

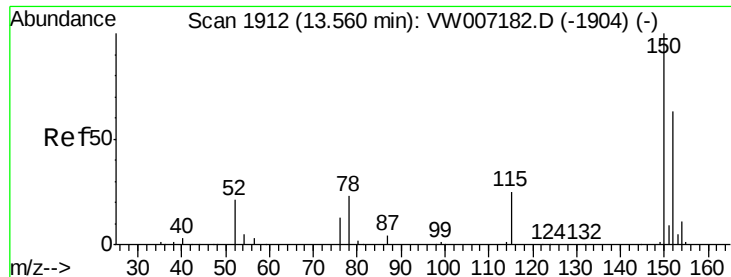
Tot Ion: 95 Resp: 19902
Ion Ratio Lower Upper
95 100
174 74.4 0.0 148.0
176 70.6 0.0 139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007224.D
Acq: 05 Dec 2018 09:06

Tgt Ion: 117 Resp: 54415
Ion Ratio Lower Upper
117 100
82 54.7 47.4 71.2
119 33.3 26.8 40.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007224.D

Acq: 05 Dec 2018 09:06

Instrument :

MSVOA_W

ClientSampleId :

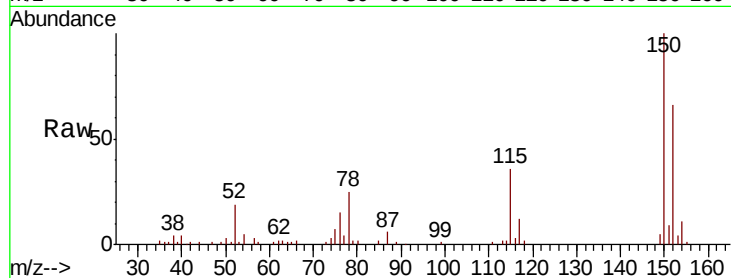
Tot Ion:152 Resp: 14125

Ion Ratio Lower Upper

152 100

115 59.7 31.3 93.8

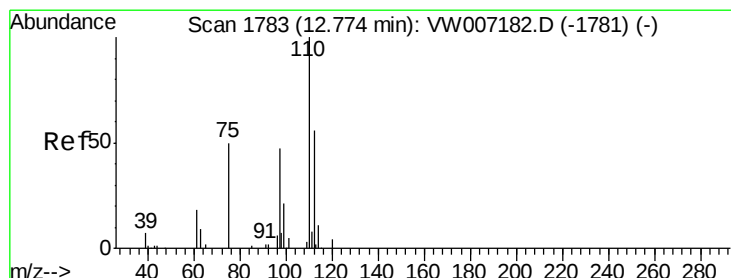
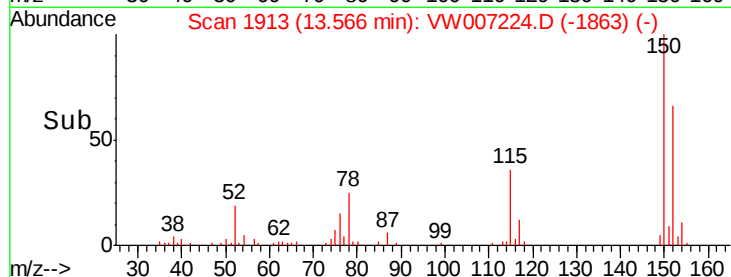
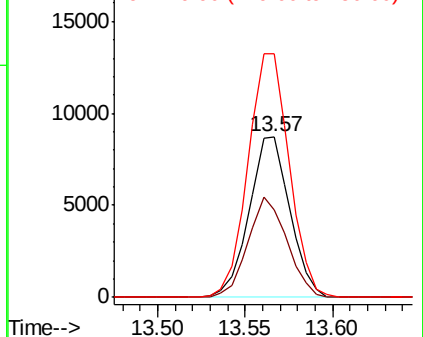
150 153.4 0.0 358.0



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: 87.573 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007224.D

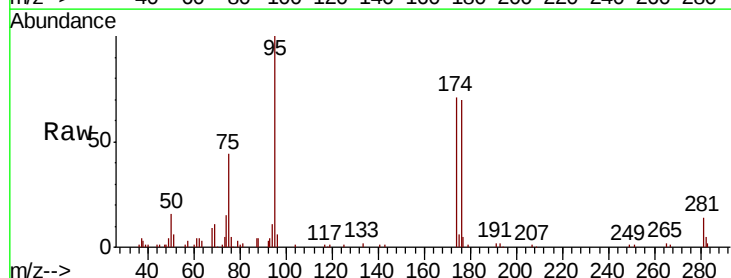
Acq: 05 Dec 2018 09:06

Tgt Ion: 75 Resp: 9578

Ion Ratio Lower Upper

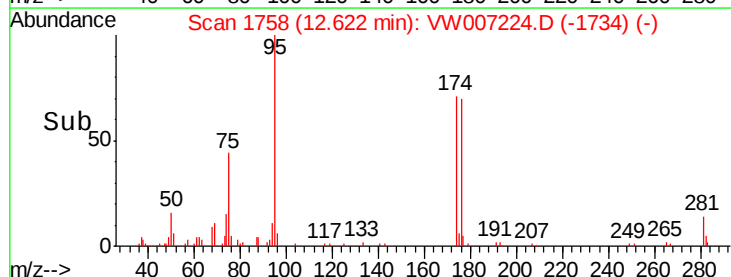
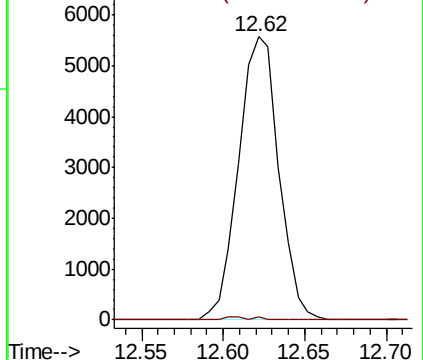
75 100

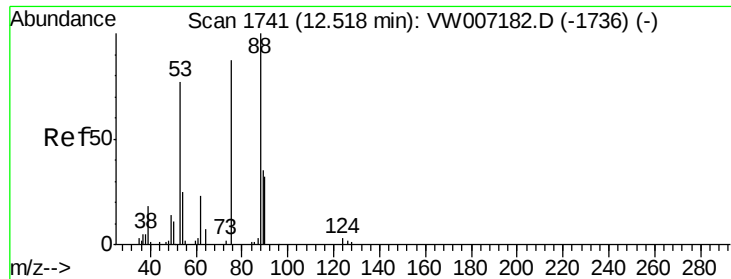
77 0.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

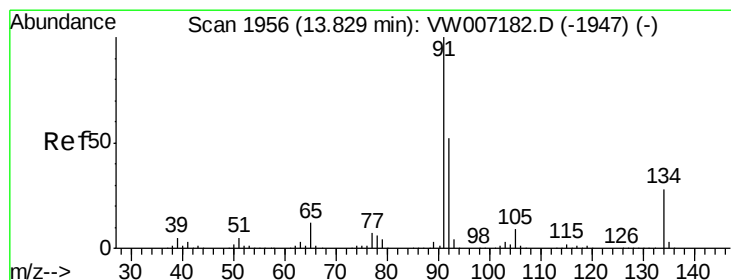
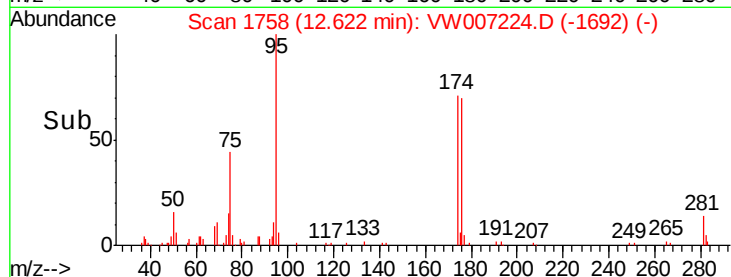
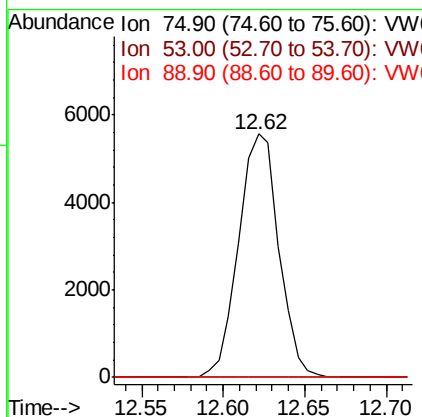
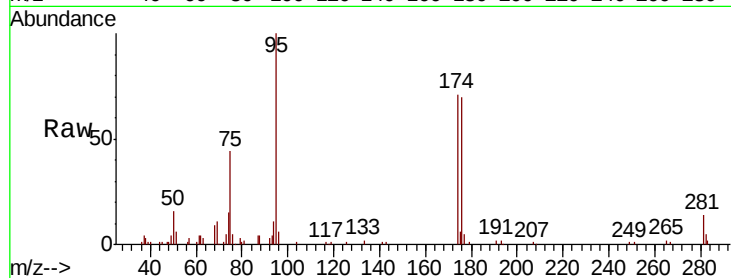




#81
trans-1,4-Dichloro-2-butene
Concen: 188.752 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW007224.D
Acq: 05 Dec 2018 09:06

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 9578
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.0 36.4 54.6#



#89
n-Butylbenzene
Concen: 1.198 ug/l
RT: 14.01 min Scan# 1985
Delta R.T. 0.18 min
Lab File: VW007224.D
Acq: 05 Dec 2018 09:06

Tgt Ion: 91 Resp: 1222
Ion Ratio Lower Upper
91 100
92 16.5 26.5 79.5#
134 0.0 14.1 42.2#

