

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080419\
 Data File : VW011695.D
 Acq On : 04 Aug 2019 06:00
 Operator : SY/VA
 Sample : K4156-01
 Misc : 6.84G/5ML/MSVOA W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RT1494

Quant Time: Aug 05 01:08:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	58576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	92114	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	77438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	27773	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	41421	61.58	ug/l	0.00
Spiked Amount			Recovery	=	123.16%	
35) Dibromofluoromethane	7.88	113	31015	60.02	ug/l	0.00
Spiked Amount			Recovery	=	120.04%	
50) Toluene-d8	10.32	98	113306	53.55	ug/l	0.00
Spiked Amount			Recovery	=	107.10%	
62) 4-Bromofluorobenzene	12.62	95	34487	45.72	ug/l	0.00
Spiked Amount			Recovery	=	91.44%	

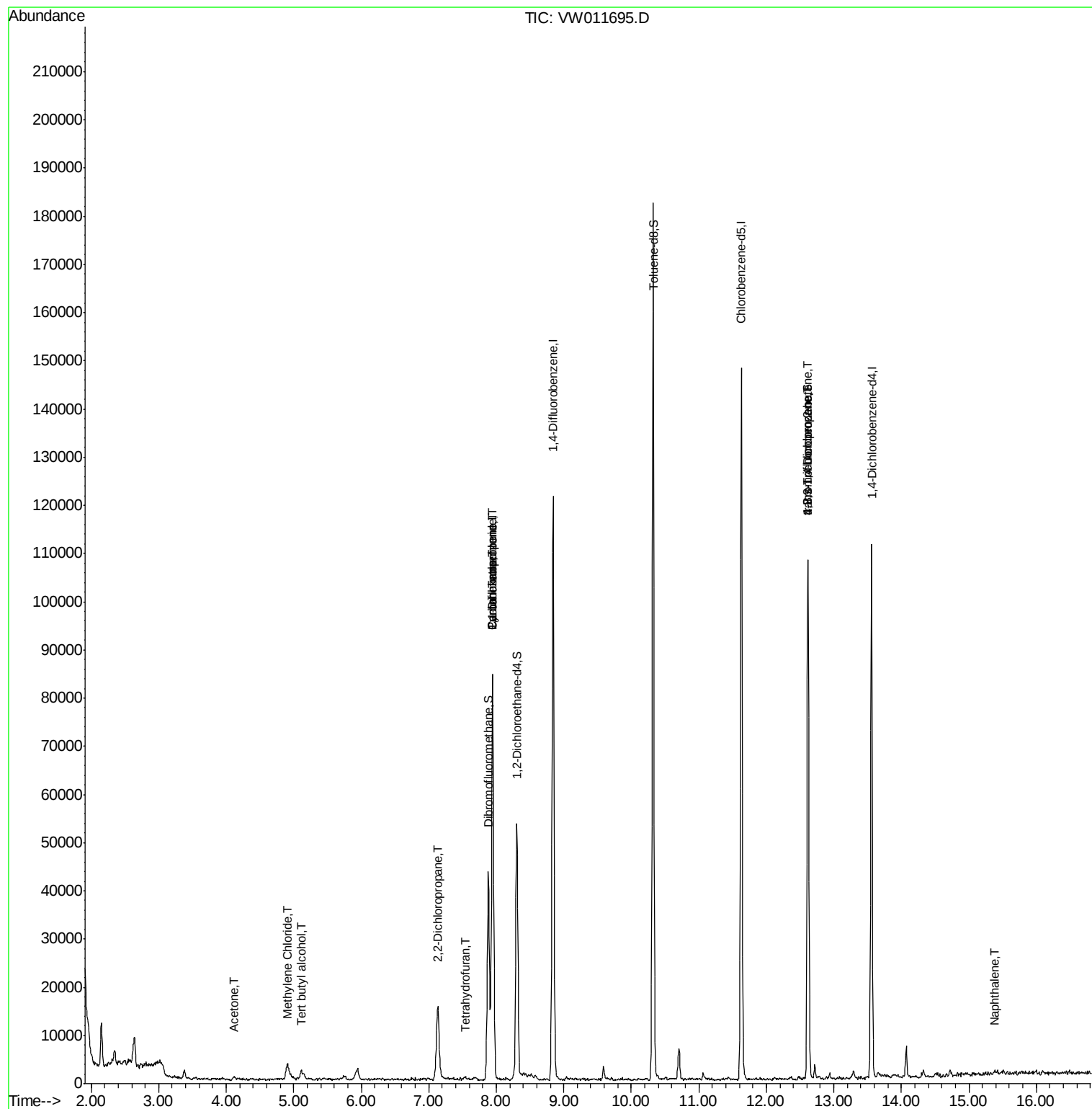
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	2165	27.764	ug/l #	72
16) Acetone	4.12	43	1127	5.267	ug/l	93
20) Methylene Chloride	4.91	84	1602	2.171	ug/l #	92
26) 2,2-Dichloropropane	7.13	77	1196	1.484	ug/l #	54
29) Tetrahydrofuran	7.56	42	395	2.468	ug/l #	65
31) Cyclohexane	7.95	56	1556	1.237	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	5452	5.692	ug/l #	51
38) Carbon Tetrachloride	7.95	117	5976	7.288	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	17826	60.659	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	17826	139.799	ug/l #	6
95) Naphthalene	15.38	128	26	2.089	ug/l #	69

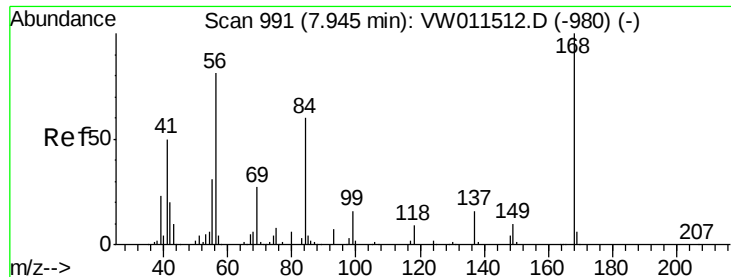
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080419\
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QLast Update : Sat Jul 27 00:23:30 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: VW011695.D

Acq: 04 Aug 2019 06:00

Instrument :

MSVOA_W

ClientSampled :

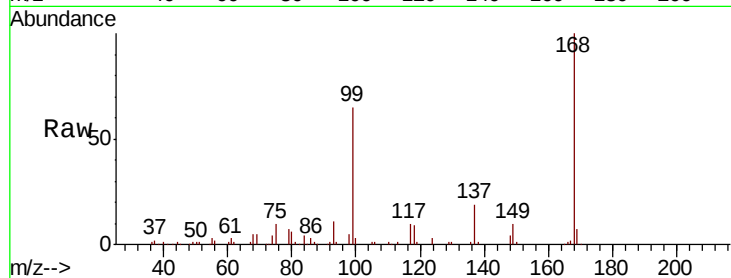
RT1494

Tot Ion:168 Resp: 58576

Ion Ratio Lower Upper

168 100

99 64.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

25000

20000

15000

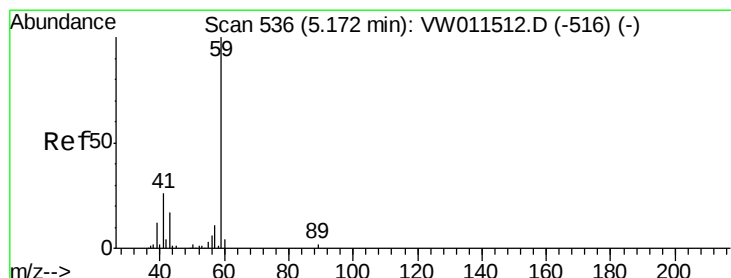
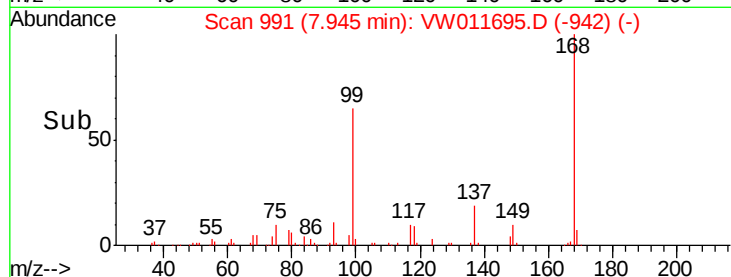
10000

5000

0

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: 27.764 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW011695.D

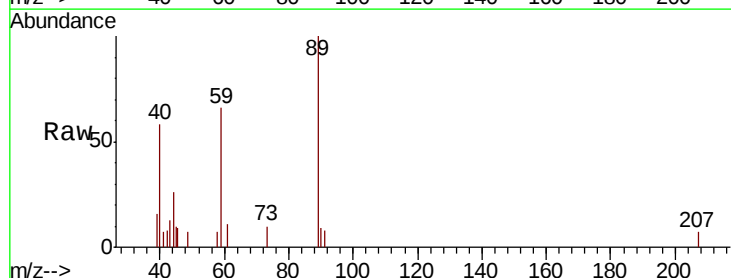
Acq: 04 Aug 2019 06:00

Tgt Ion: 59 Resp: 2165

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

600

500

400

300

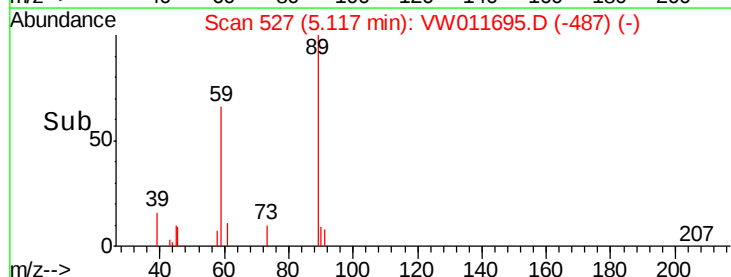
200

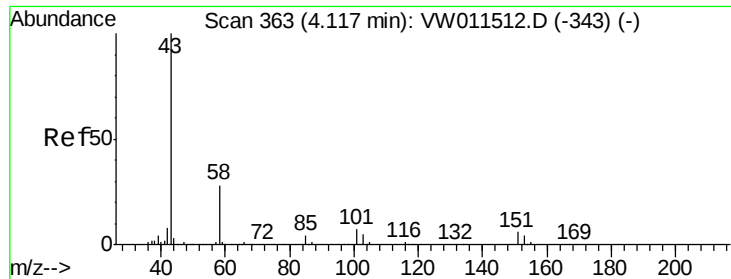
100

0

5.00 5.10 5.20

Time-->





#16

Acetone

Concen: 5.267 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011695.D

Acq: 04 Aug 2019 06:00

Instrument :

MSVOA_W

ClientSampleId :

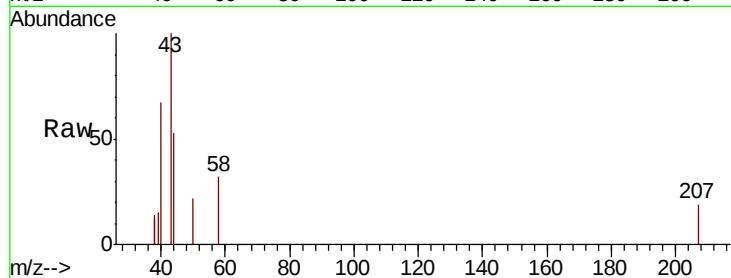
RT1494

Tot Ion: 43 Resp: 1127

Ion Ratio Lower Upper

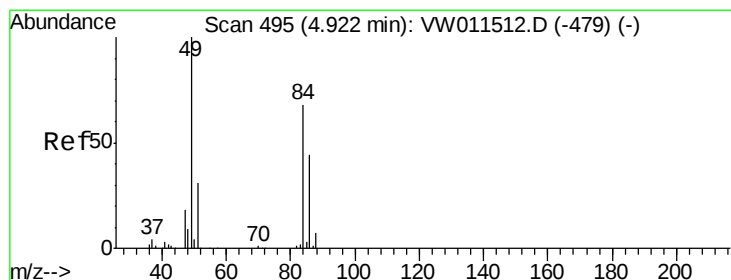
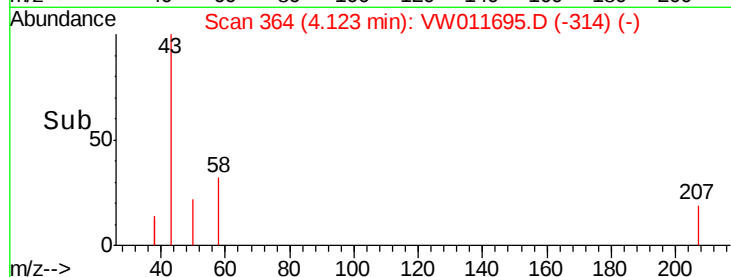
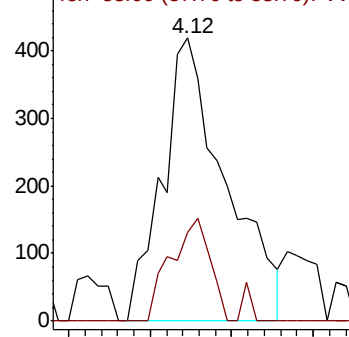
43 100

58 31.5 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 2.171 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011695.D

Acq: 04 Aug 2019 06:00

Tgt Ion: 84 Resp: 1602

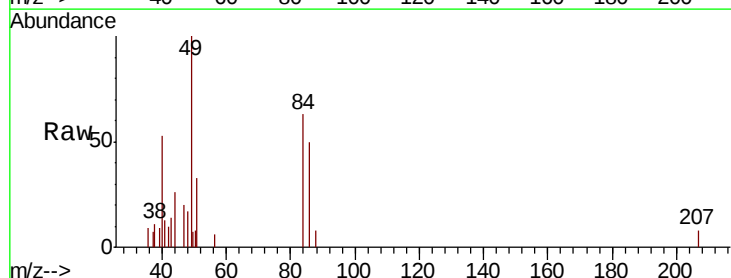
Ion Ratio Lower Upper

84 100

49 150.5 117.8 176.6

51 52.7 37.0 55.4

86 79.3 51.8 77.8#

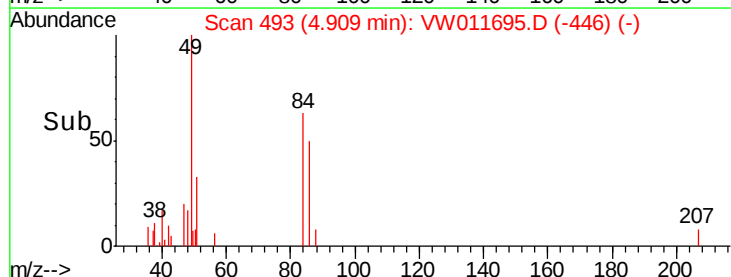
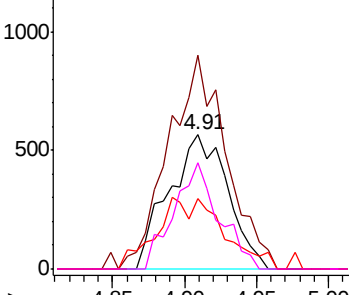


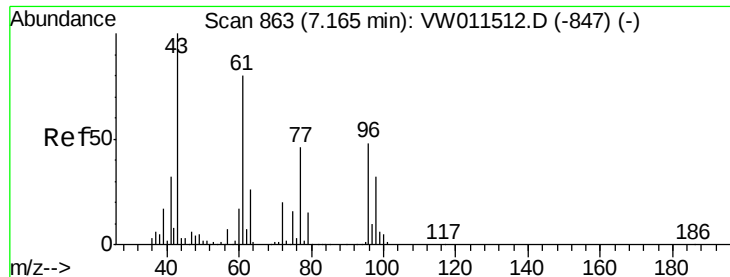
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#26

2,2-Dichloropropane

Concen: 1.484 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW011695.D

Acq: 04 Aug 2019 06:00

Instrument :

MSVOA_W

ClientSampleId :

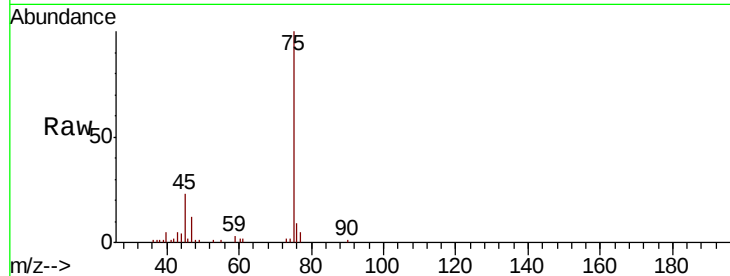
RT1494

Tot Ion: 77 Resp: 1196

Ion Ratio Lower Upper

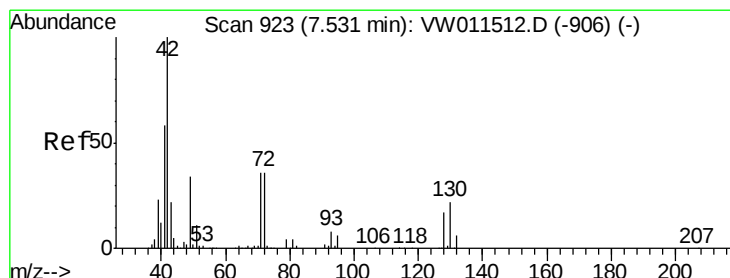
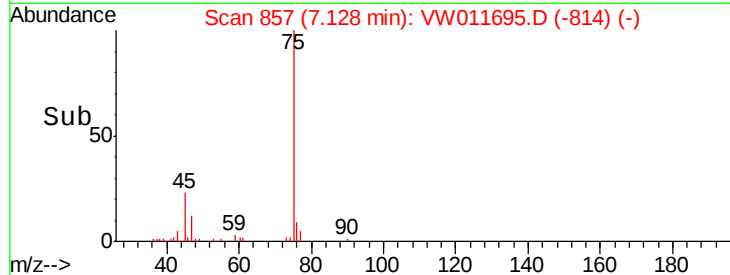
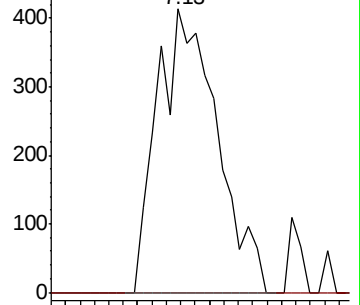
77 100

97 0.0 10.8 32.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#29

Tetrahydrofuran

Concen: 2.468 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW011695.D

Acq: 04 Aug 2019 06:00

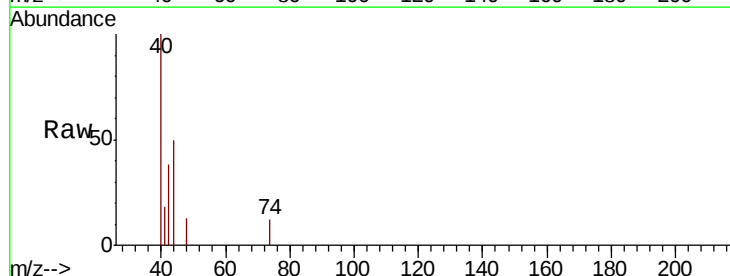
Tgt Ion: 42 Resp: 395

Ion Ratio Lower Upper

42 100

72 21.8 27.1 40.7#

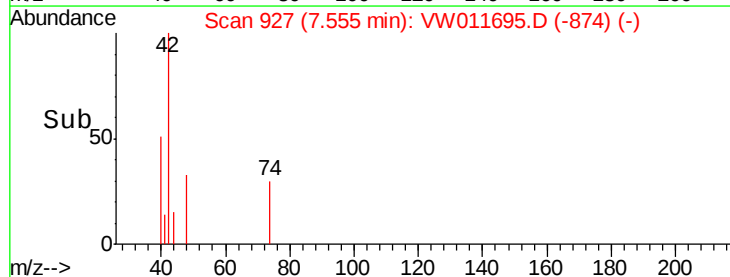
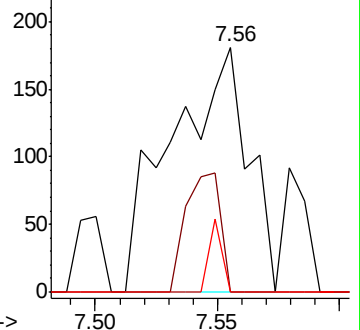
71 5.1 26.2 39.4#

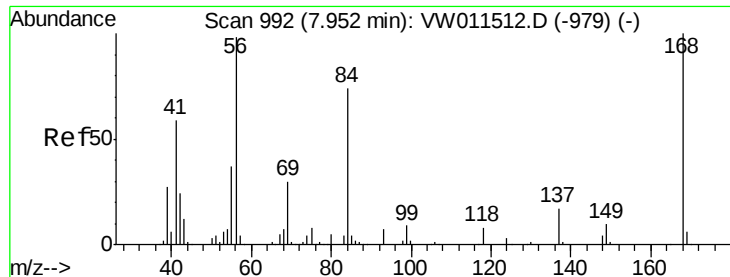


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

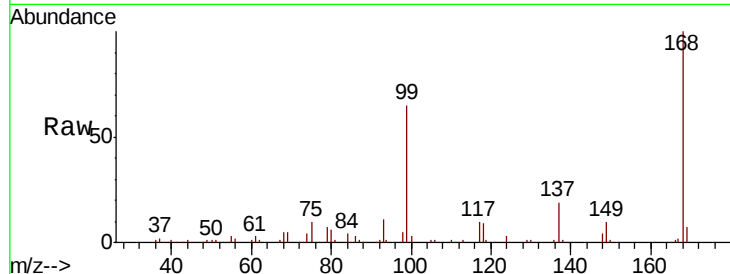




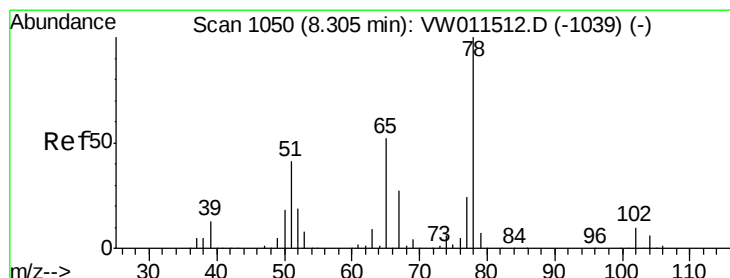
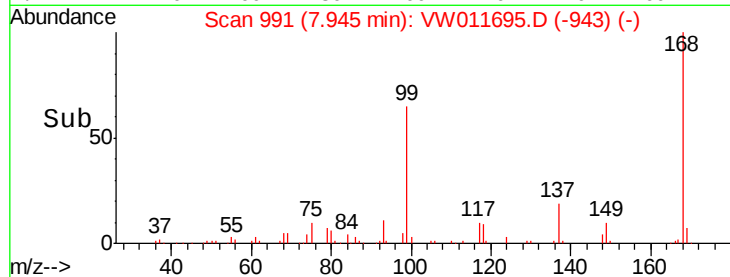
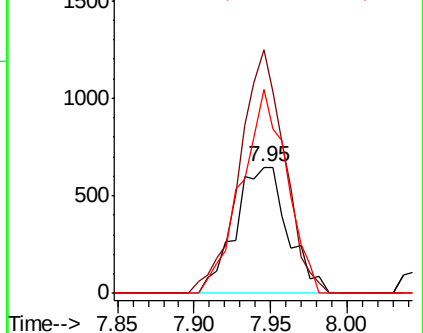
#31
Cyclohexane
Concen: 1.237 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011695.D
Acq: 04 Aug 2019 06:00

Instrument :
MSVOA_W
ClientSampled :
RT1494

Tot Ion: 56 Resp: 1556
Ion Ratio Lower Upper
56 100
69 192.7 24.3 36.5#
84 172.6 60.4 90.6#

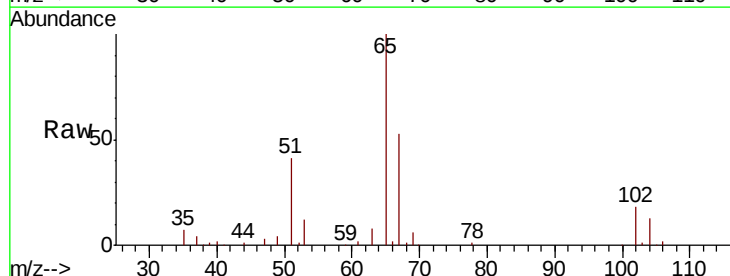


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

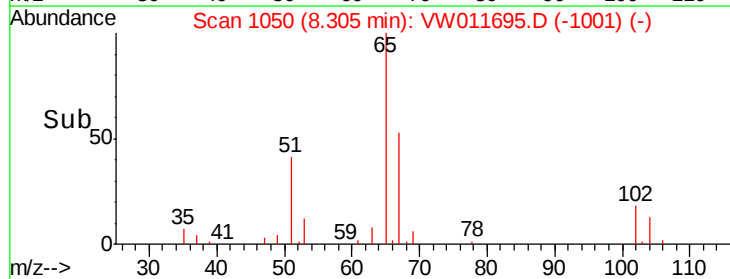
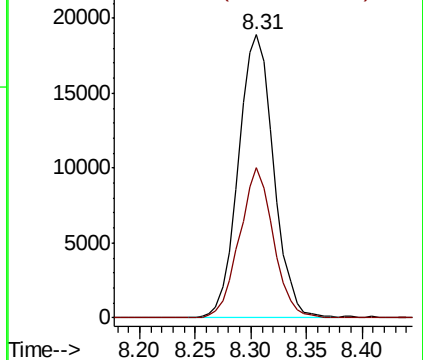


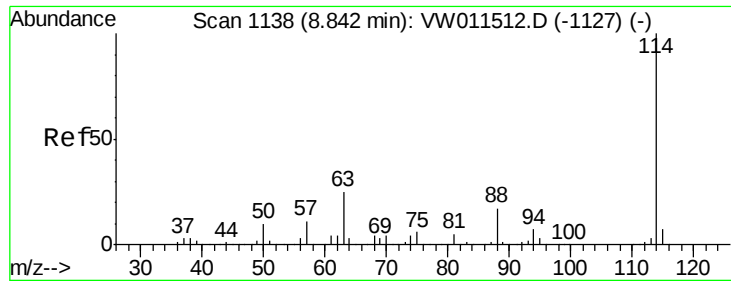
#33
1,2-Dichloroethane-d4
Concen: 61.582 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW011695.D
Acq: 04 Aug 2019 06:00

Tgt Ion: 65 Resp: 41421
Ion Ratio Lower Upper
65 100
67 51.3 0.0 105.2



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

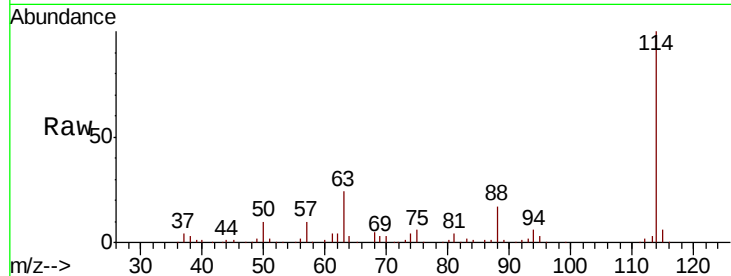




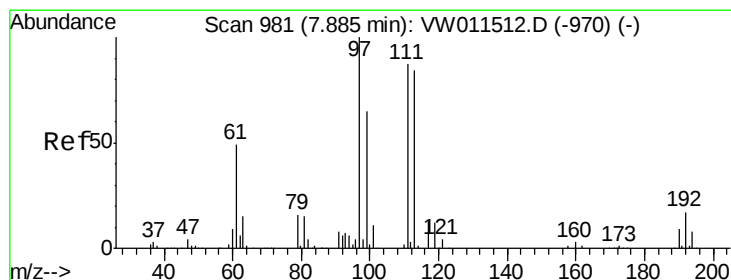
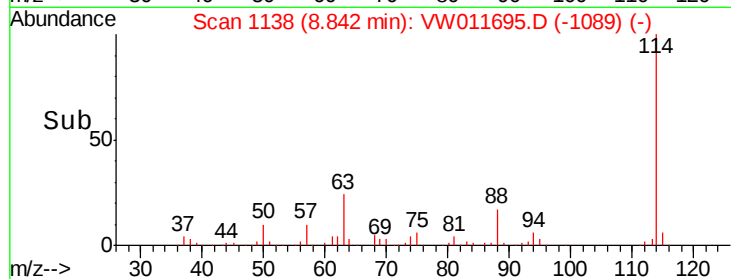
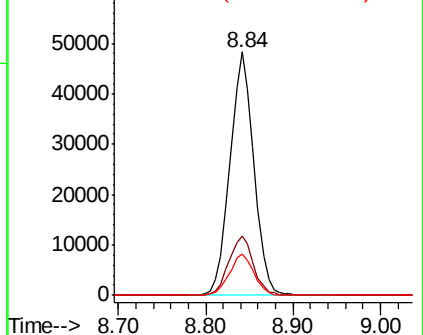
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW011695.D
Acq: 04 Aug 2019 06:00

Instrument :
MSVOA_W
ClientSampleId :
RT1494

Tot Ion:114 Resp: 92114
Ion Ratio Lower Upper
114 100
63 24.3 0.0 49.2
88 16.9 0.0 33.8

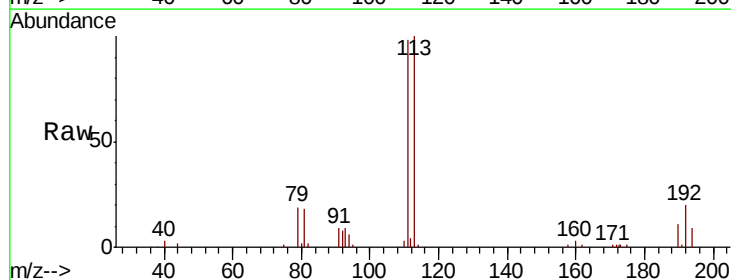


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

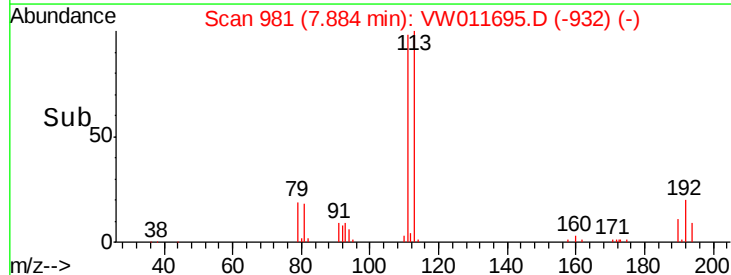
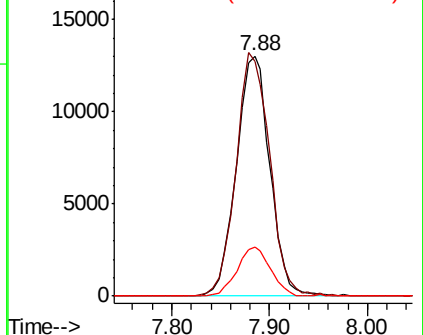


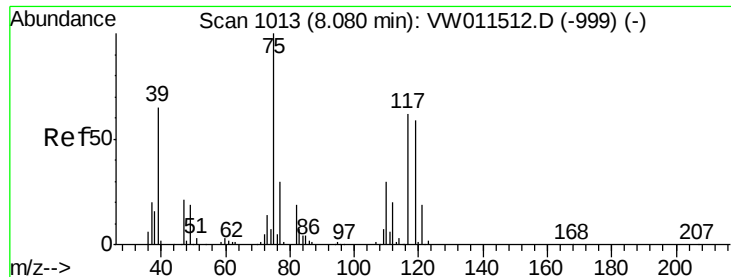
#35
Dibromofluoromethane
Concen: 60.016 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW011695.D
Acq: 04 Aug 2019 06:00

Tgt Ion:113 Resp: 31015
Ion Ratio Lower Upper
113 100
111 101.6 82.7 124.1
192 20.4 16.1 24.1



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

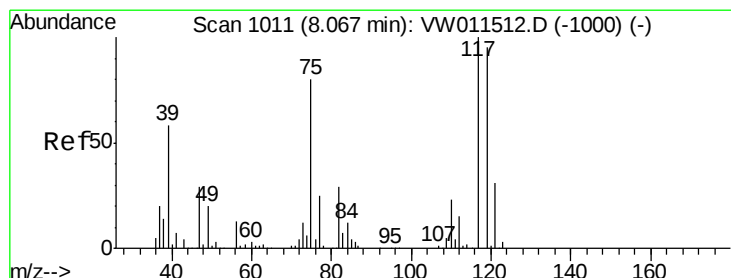
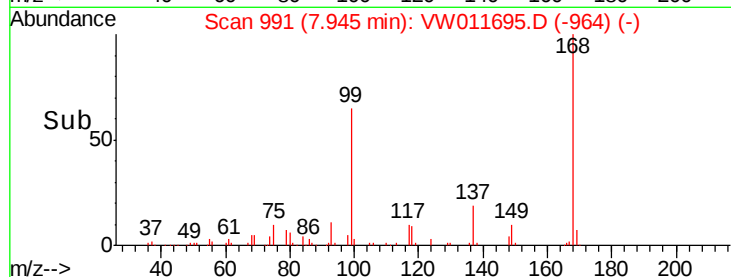
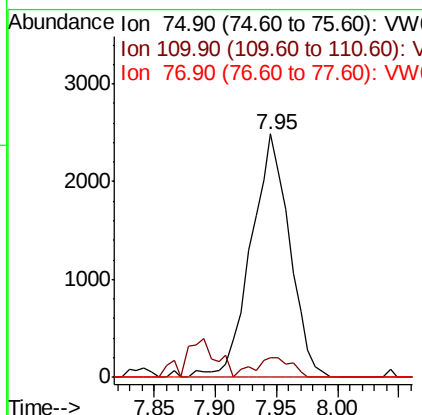
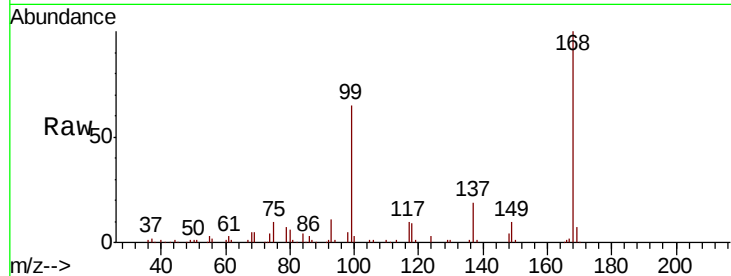




#36
 1,1-Dichloropropene
 Concen: 5.692 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011695.D
 Acq: 04 Aug 2019 06:00

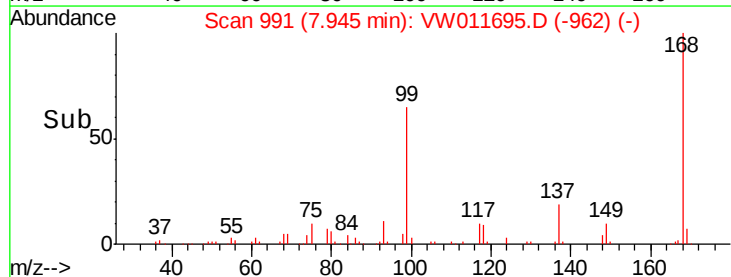
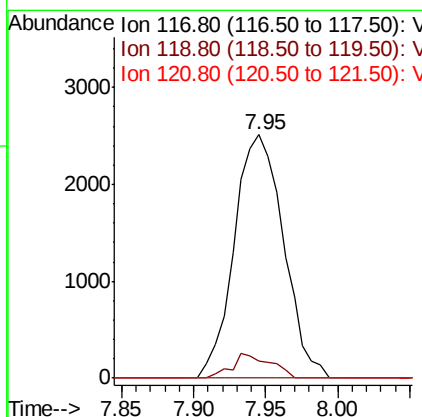
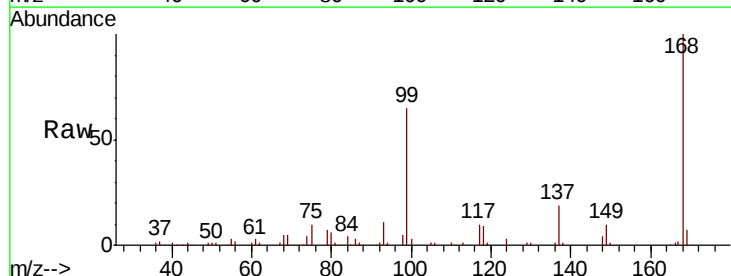
Instrument :
 MSVOA_W
 ClientSampleId :
 RT1494

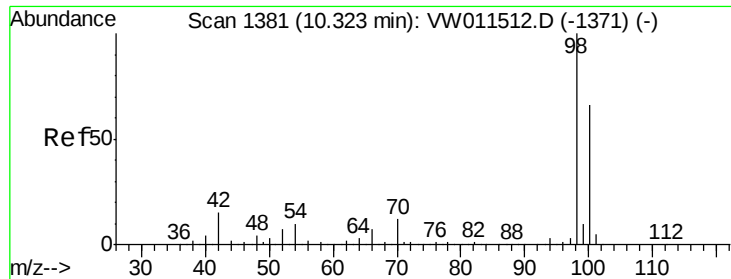
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.3	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 7.288 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011695.D
 Acq: 04 Aug 2019 06:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.8	75.8	113.6#
121	0.0	24.7	37.1#

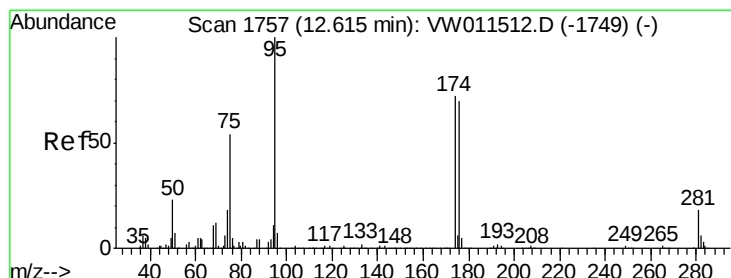
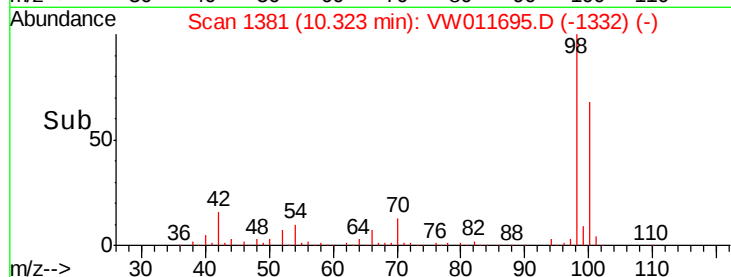
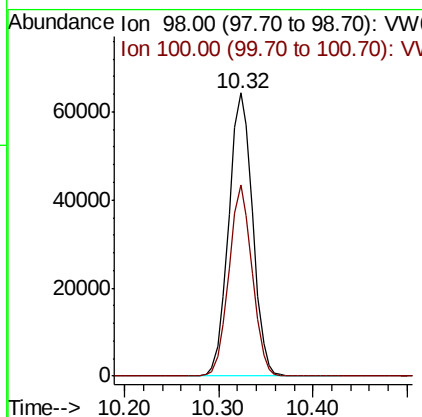
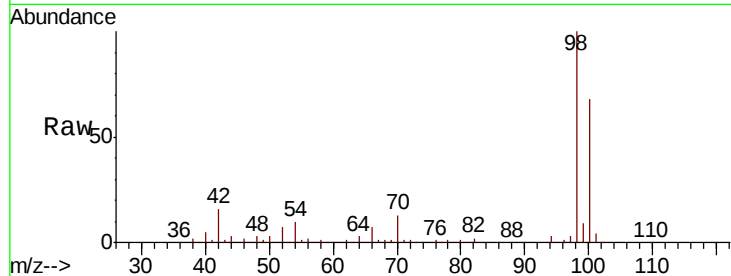




#50
Toluene-d8
Concen: 53.552 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011695.D
Acq: 04 Aug 2019 06:00

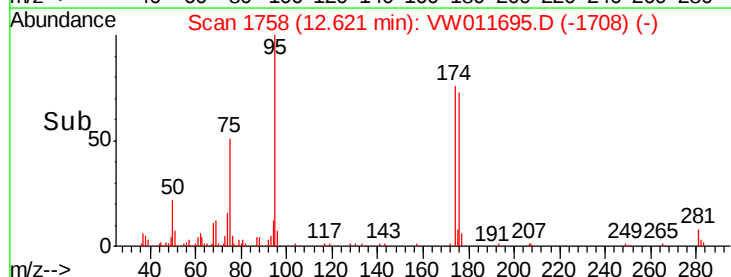
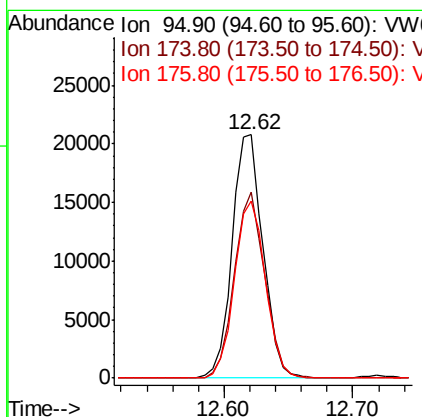
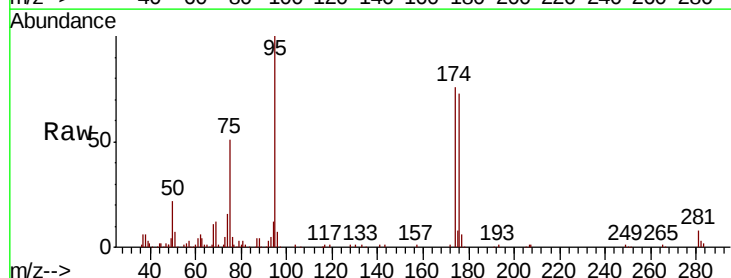
Instrument :
MSVOA_W
ClientSampleId :
RT1494

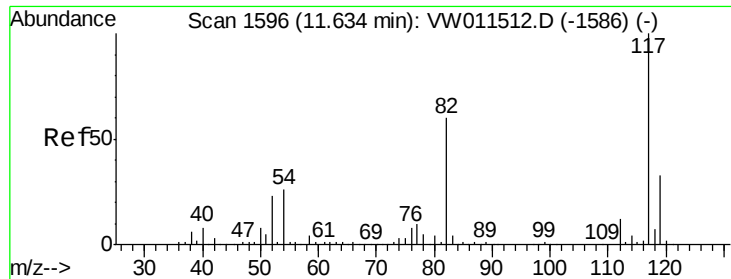
Tot Ion: 98 Resp: 113306
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 45.718 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW011695.D
Acq: 04 Aug 2019 06:00

Tgt Ion: 95 Resp: 34487
Ion Ratio Lower Upper
95 100
174 75.6 0.0 150.2
176 73.4 0.0 144.4

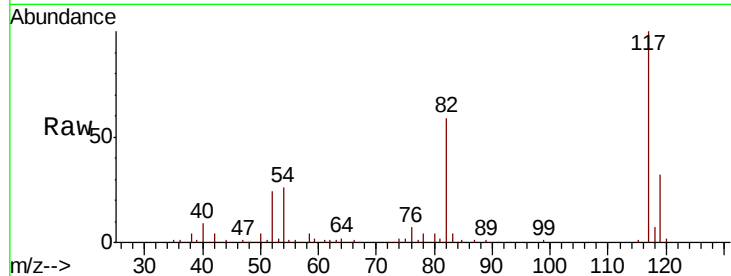




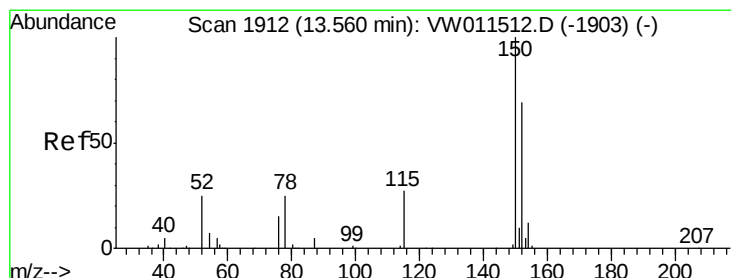
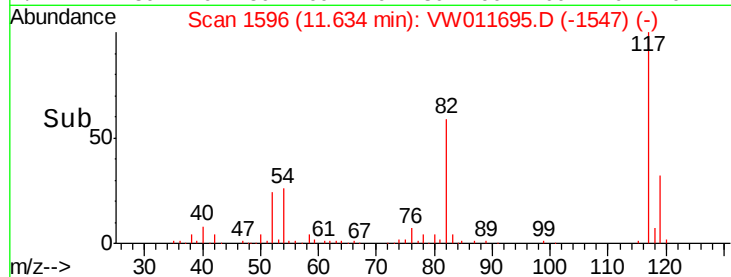
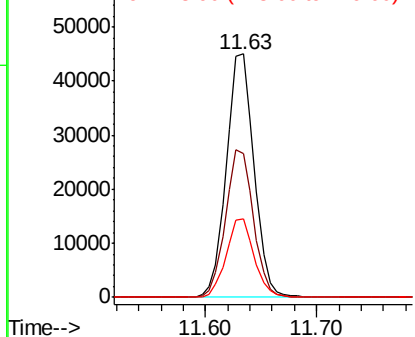
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011695.D
Acq: 04 Aug 2019 06:00

Instrument :
MSVOA_W
ClientSampleId :
RT1494

Tot Ion:117 Resp: 77438
Ion Ratio Lower Upper
117 100
82 59.3 47.9 71.9
119 32.4 26.2 39.2

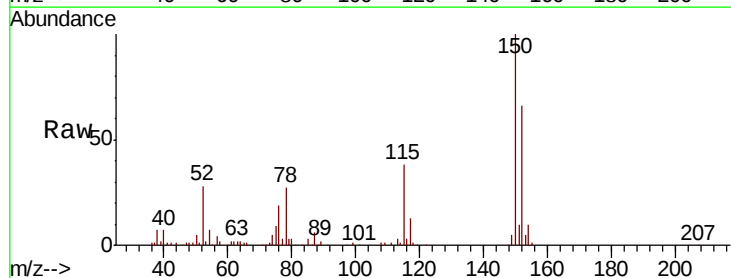


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

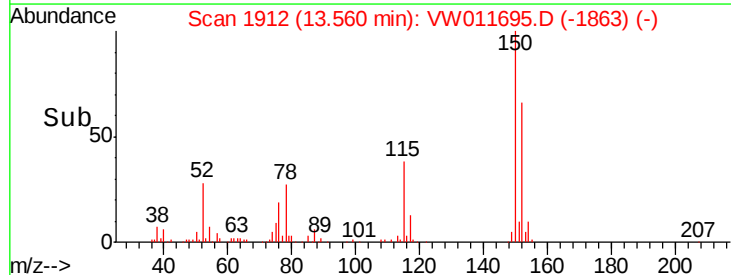
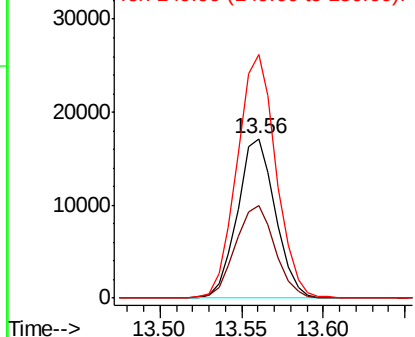


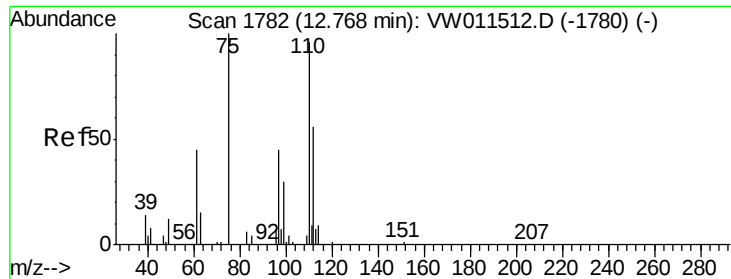
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011695.D
Acq: 04 Aug 2019 06:00

Tgt Ion:152 Resp: 27773
Ion Ratio Lower Upper
152 100
115 60.6 30.5 91.5
150 156.7 0.0 352.6



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: 60.659 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW011695.D

Acq: 04 Aug 2019 06:00

Instrument :

MSVOA_W

ClientSampled :

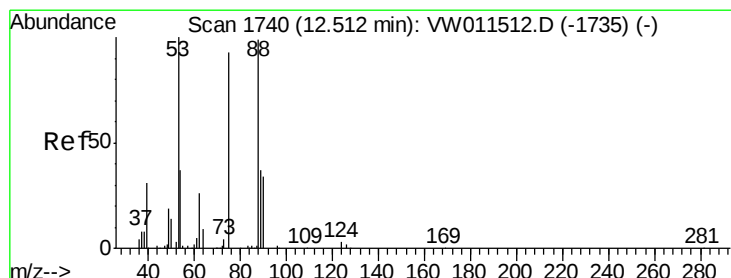
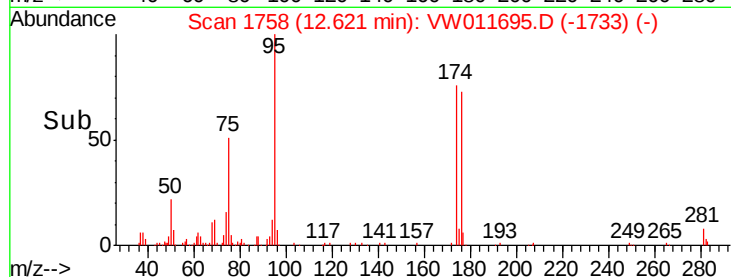
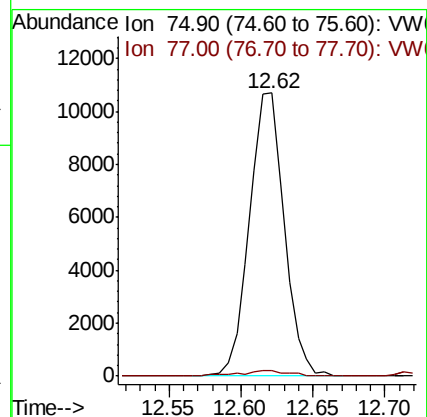
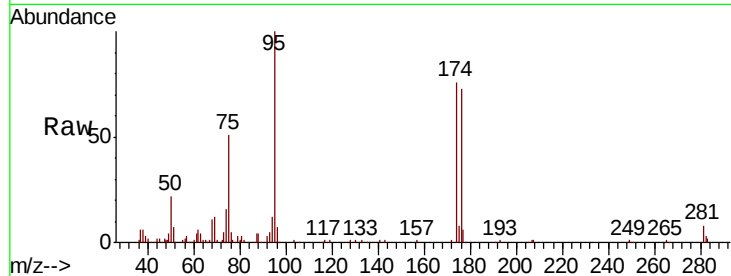
RT1494

Tot Ion: 75 Resp: 17826

Ion Ratio Lower Upper

75 100

77 2.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 139.799 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW011695.D

Acq: 04 Aug 2019 06:00

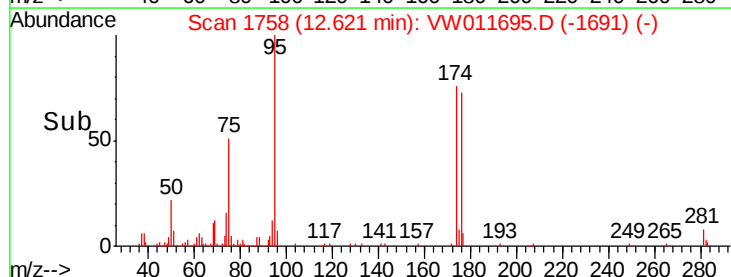
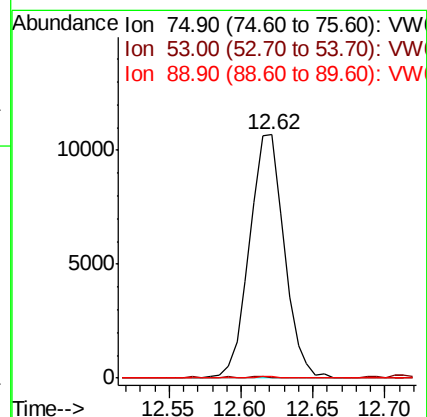
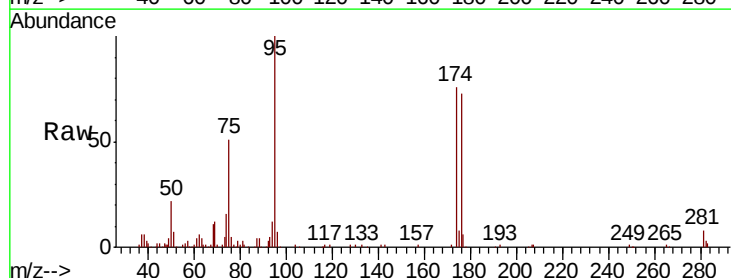
Tgt Ion: 75 Resp: 17826

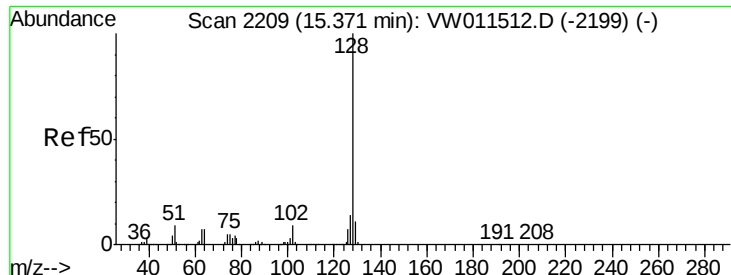
Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

89 0.3 35.3 52.9#





#95

Naphthalene

Concen: 2.089 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW011695.D

Acq: 04 Aug 2019 06:00

Instrument :

MSVOA_W

ClientSampleId :

RT1494

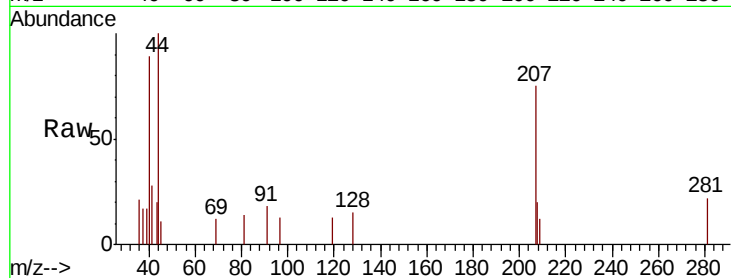
Tot Ion:128 Resp: 26

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

