

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083019\
 Data File : VW012384.D
 Acq On : 31 Aug 2019 07:13
 Operator : SY/VA
 Sample : K4568-11RE
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 31 11:13:43 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	7824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	10766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	7696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1157	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	4514	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
35) Dibromofluoromethane	7.88	113	3793	59.02	ug/l	0.00
Spiked Amount			Recovery	=	118.04%	
50) Toluene-d8	10.32	98	12392	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	
62) 4-Bromofluorobenzene	12.62	95	1856	20.21	ug/l	0.00
Spiked Amount			Recovery	=	40.42%	

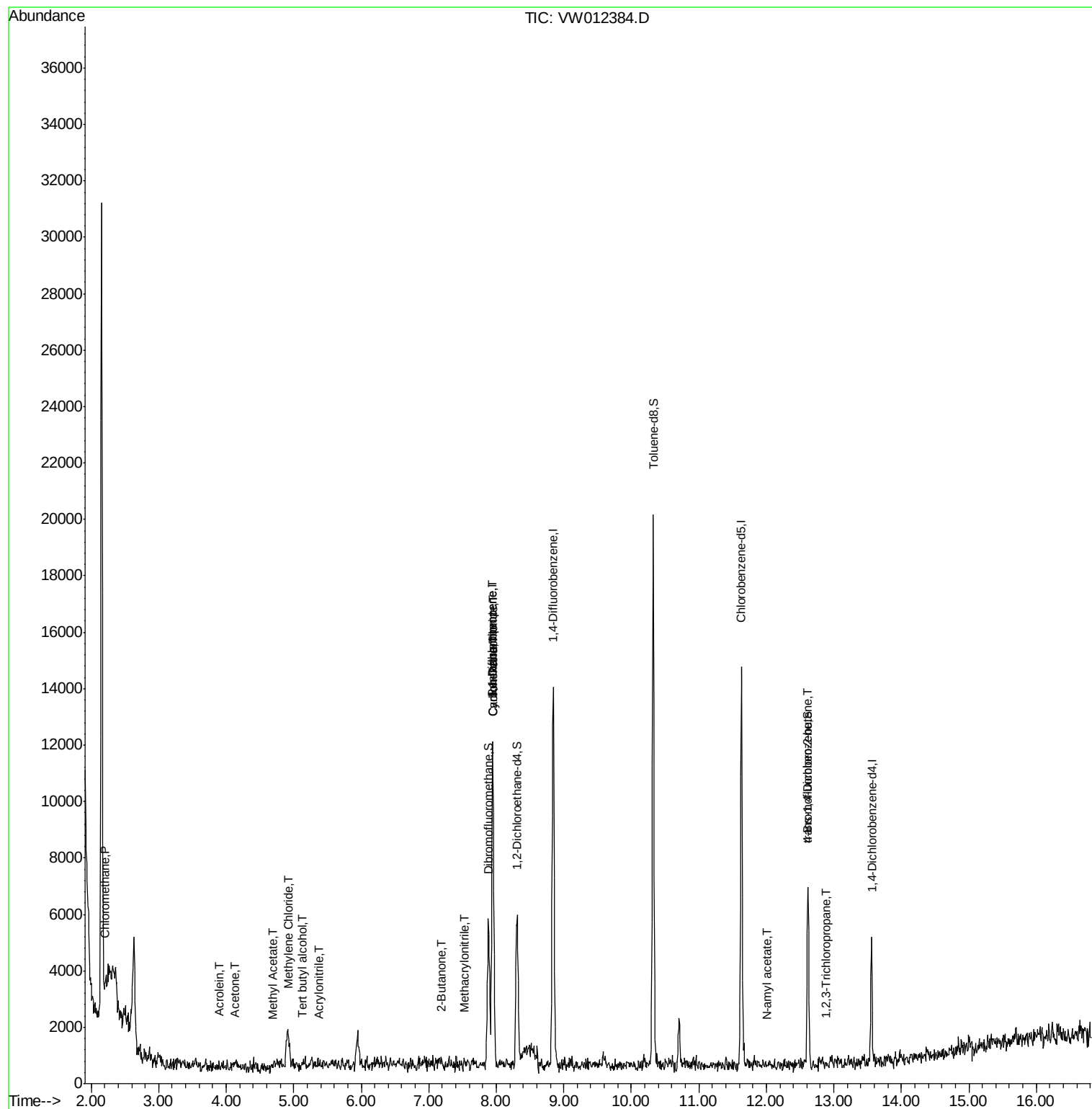
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	195	2.613	ug/l	99
11) Tert butyl alcohol	5.12	59	20	3.573	ug/l #	1
13) Acrolein	3.89	56	25	4.745	ug/l #	83
15) Acrylonitrile	5.37	53	40	1.853	ug/l #	17
16) Acetone	4.13	43	458	19.264	ug/l #	47
18) Methyl Acetate	4.68	43	108	1.834	ug/l #	57
20) Methylene Chloride	4.92	84	717	7.977	ug/l #	89
25) 2-Butanone	7.18	43	52	1.610	ug/l #	56
31) Cyclohexane	7.96	56	270	1.612	ug/l #	35
36) 1,1-Dichloropropene	7.95	75	680	6.112	ug/l #	46
38) Carbon Tetrachloride	7.96	117	899	9.336	ug/l #	12
41) Methacrylonitrile	7.52	41	36	1.005	ug/l #	27
74) N-amyl acetate	12.01	43	29	1.107	ug/l #	33
76) 1,2,3-Trichloropropane	12.90	75	42	3.727	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	1122	218.313	ug/l #	6

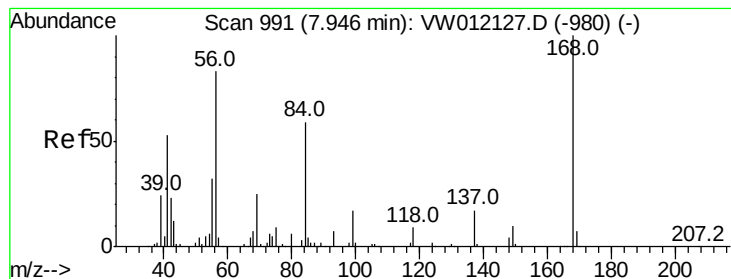
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012384.D

Acq: 31 Aug 2019 07:13

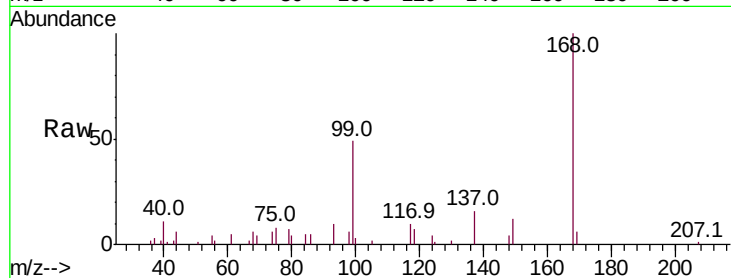
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 7824

Ion Ratio Lower Upper

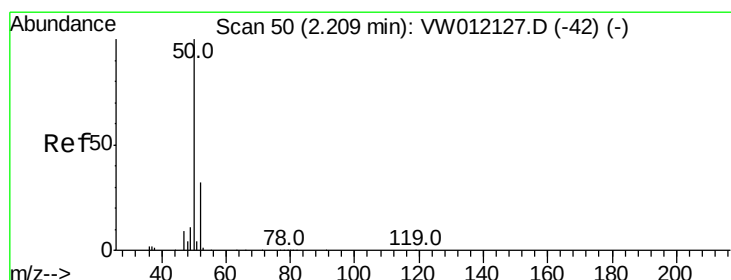
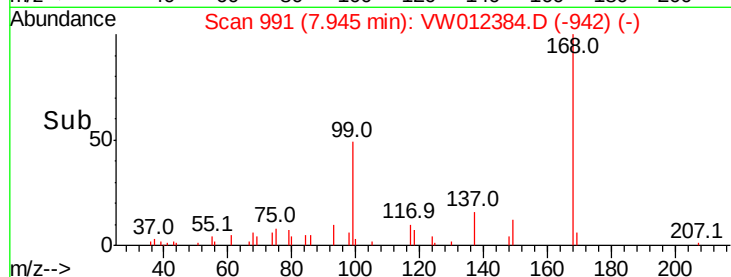
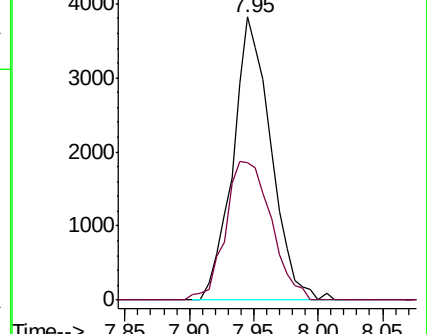
168 100

99 48.7 49.2 73.8#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 2.613 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW012384.D

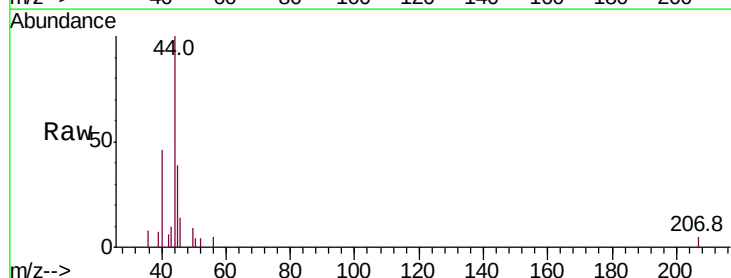
Acq: 31 Aug 2019 07:13

Tgt Ion: 50 Resp: 195

Ion Ratio Lower Upper

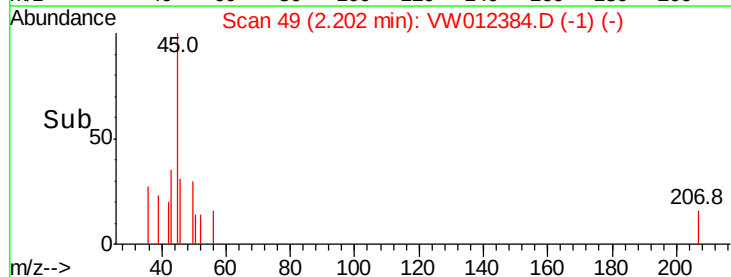
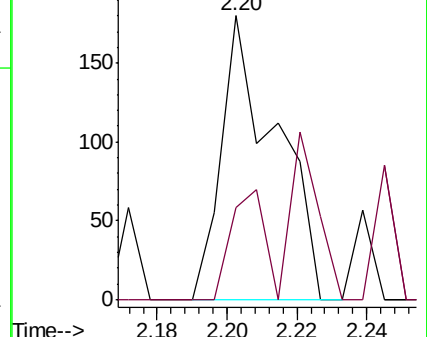
50 100

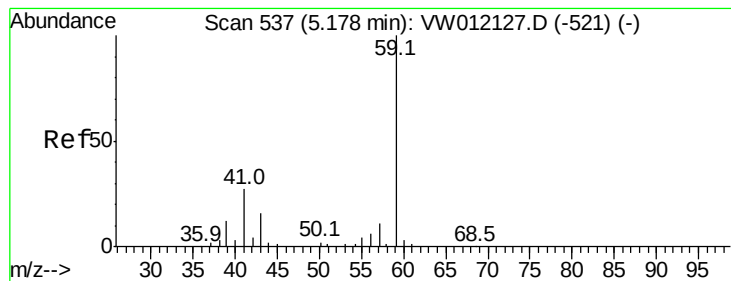
52 32.2 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



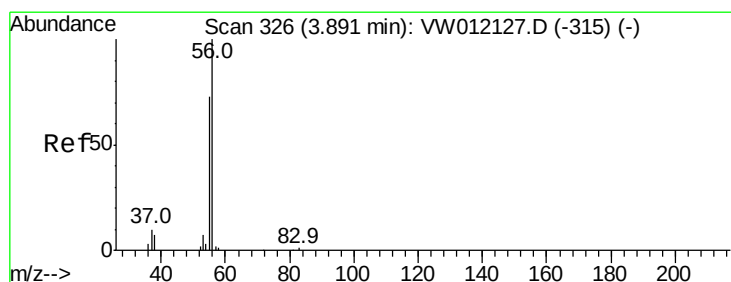
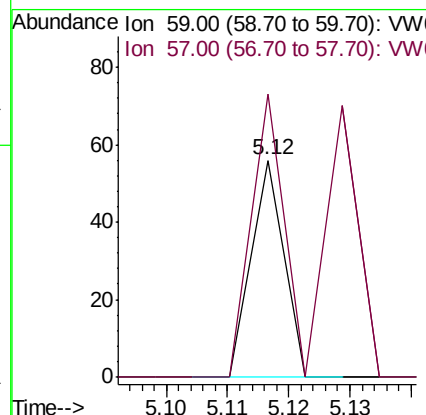
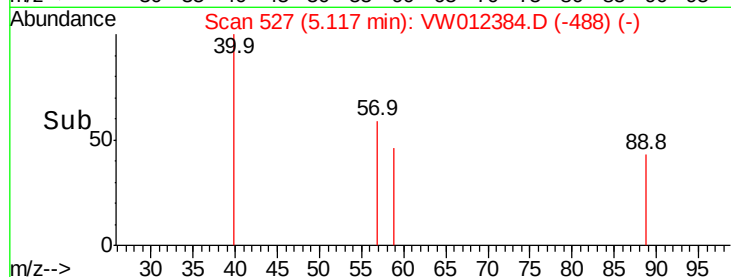
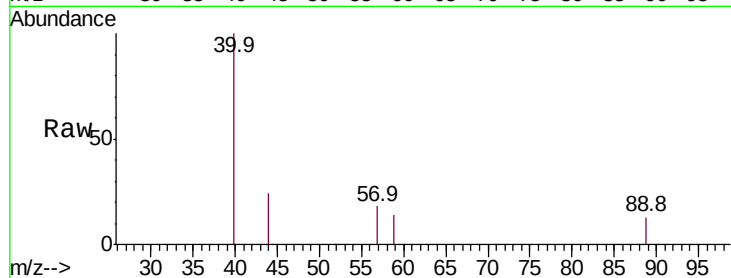


#11

Tert butyl alcohol
 Concen: 3.573 ug/l
 RT: 5.12 min Scan# 527
 Delta R.T. -0.06 min
 Lab File: VW012384.D
 Acq: 31 Aug 2019 07:13

Instrument :
 MSVOA_W
 ClientSampled :

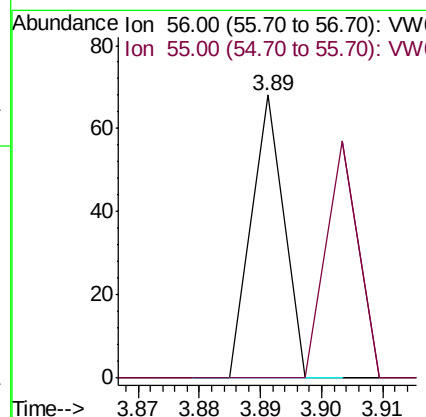
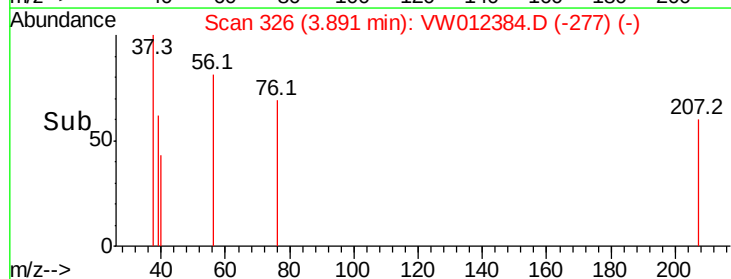
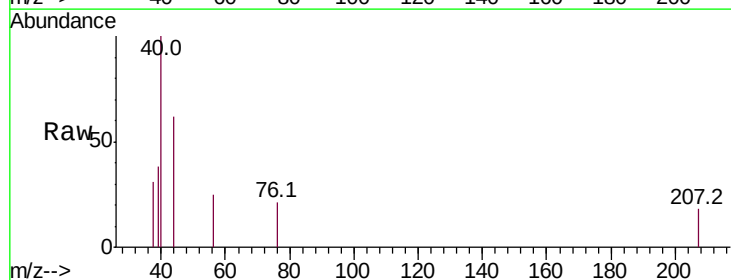
Tot Ion: 59 Resp: 20
 Ion Ratio Lower Upper
 59 100
 57 260.0 9.0 13.4#

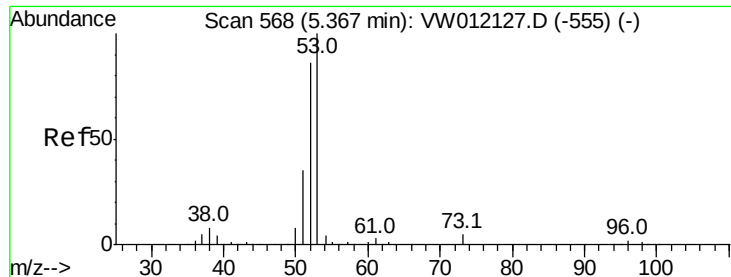


#13

Acrolein
 Concen: 4.745 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VW012384.D
 Acq: 31 Aug 2019 07:13

Tgt Ion: 56 Resp: 25
 Ion Ratio Lower Upper
 56 100
 55 84.0 55.8 83.8#





#15

Acrylonitrile

Concen: 1.853 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW012384.D

Acq: 31 Aug 2019 07:13

Instrument :

MSVOA_W

ClientSampled :

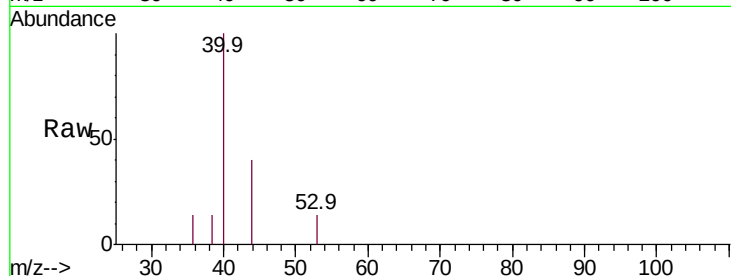
Tot Ion: 53 Resp: 40

Ion Ratio Lower Upper

53 100

52 0.0 66.7 100.1#

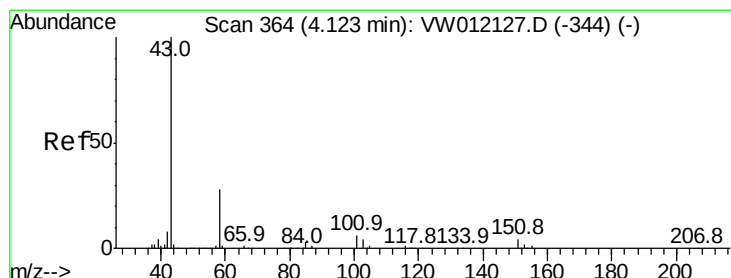
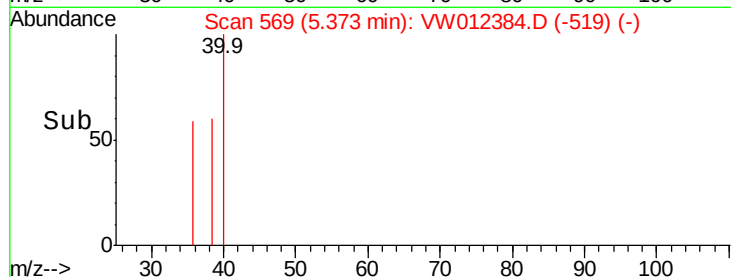
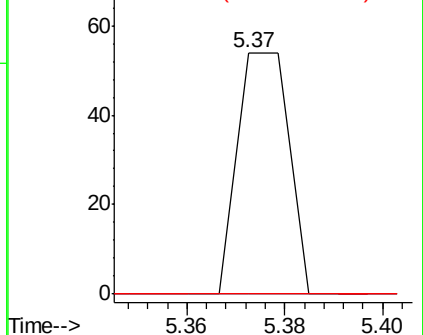
51 0.0 30.1 45.1#



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 19.264 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012384.D

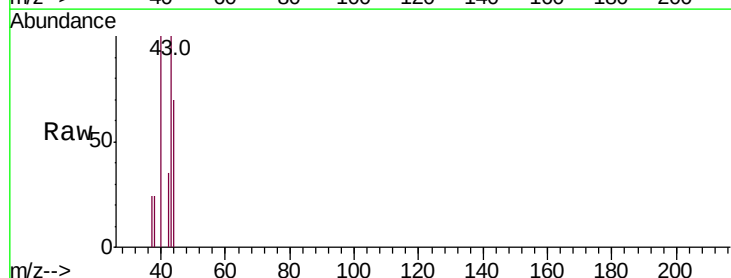
Acq: 31 Aug 2019 07:13

Tgt Ion: 43 Resp: 458

Ion Ratio Lower Upper

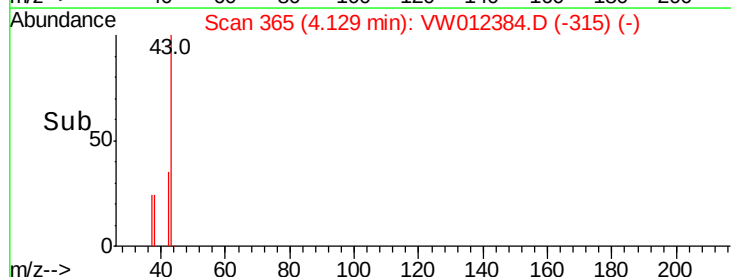
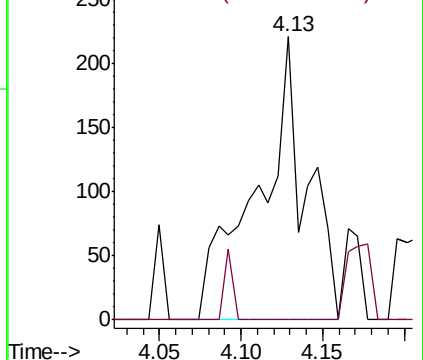
43 100

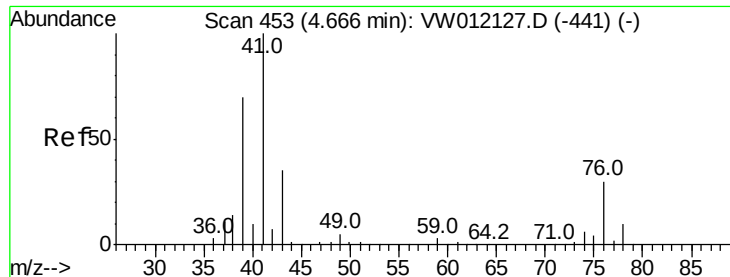
58 0.0 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

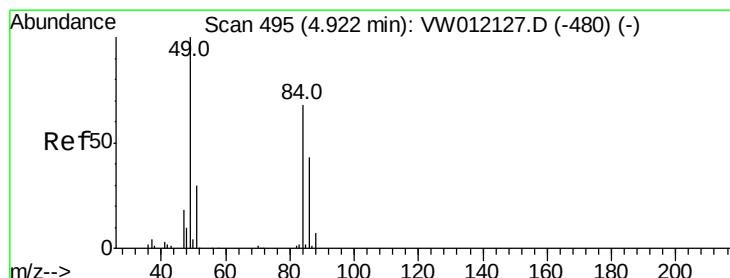
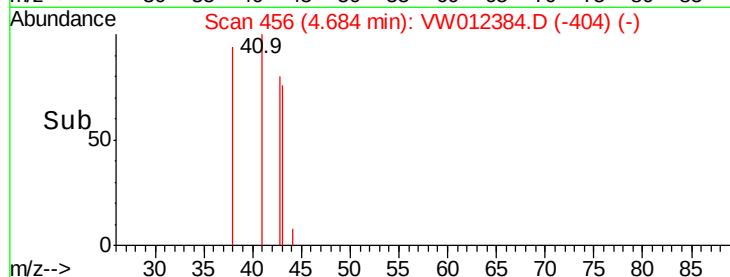
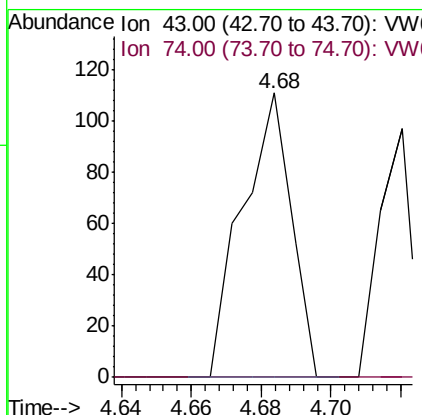
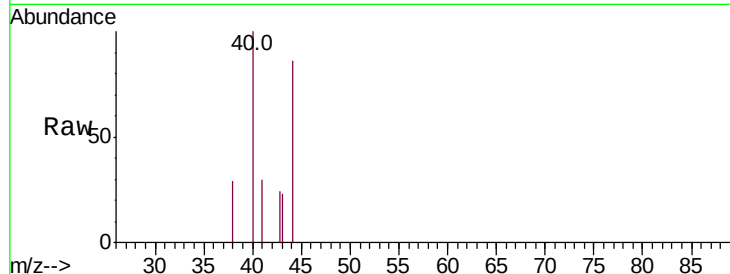




#18
Methvl Acetate
Concen: 1.834 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.02 min
Lab File: VW012384.D
Acq: 31 Aug 2019 07:13

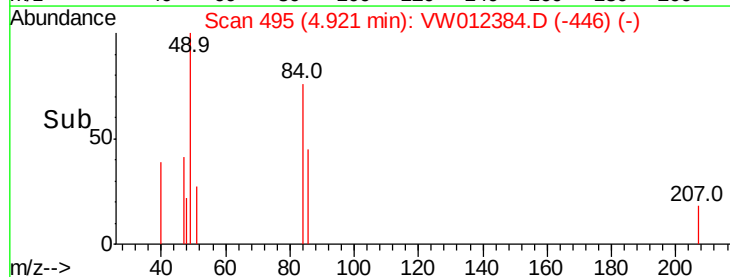
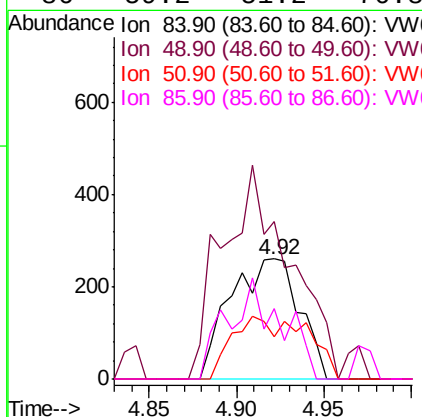
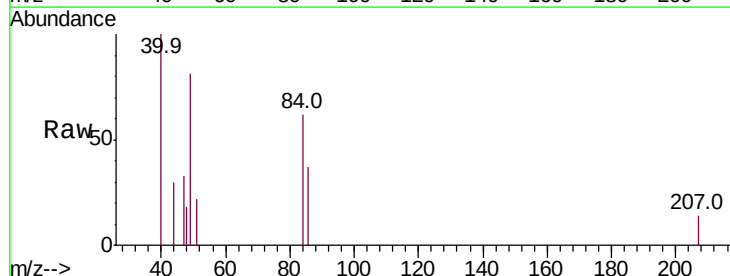
Instrument :
MSVOA_W
ClientSampled :

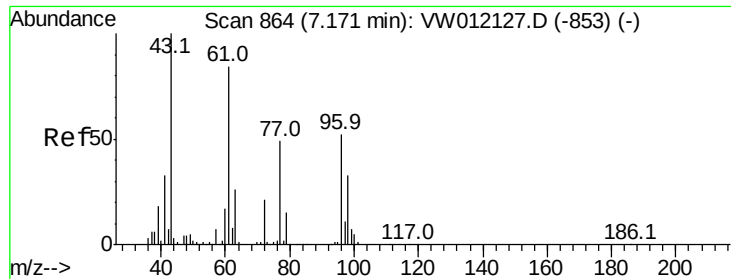
Tot Ion: 43 Resp: 108
Ion Ratio Lower Upper
43 100
74 0.0 15.7 23.5#



#20
Methylene Chloride
Concen: 7.977 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW012384.D
Acq: 31 Aug 2019 07:13

Tgt Ion: 84 Resp: 717
Ion Ratio Lower Upper
84 100
49 131.5 117.8 176.8
51 35.4 35.6 53.4#
86 59.2 51.2 76.8





#25

2-Butanone

Concen: 1.610 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW012384.D

Acq: 31 Aug 2019 07:13

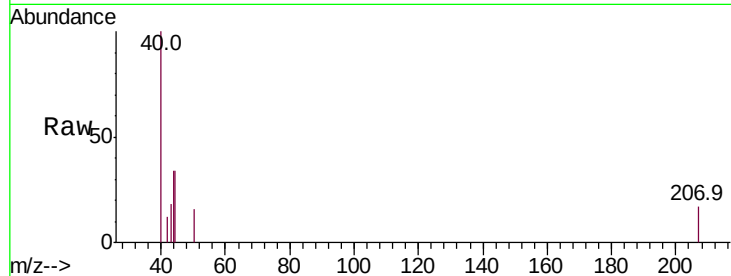
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 52

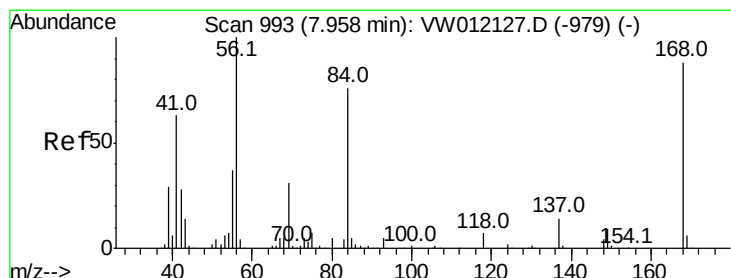
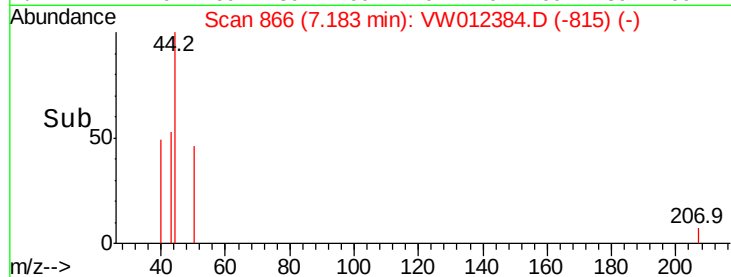
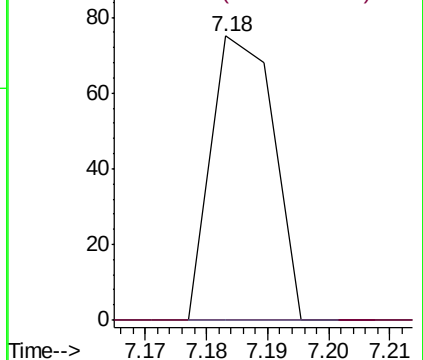
Ion Ratio Lower Upper

43 100

72 0.0 16.6 24.8#



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



#31

Cyclohexane

Concen: 1.612 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW012384.D

Acq: 31 Aug 2019 07:13

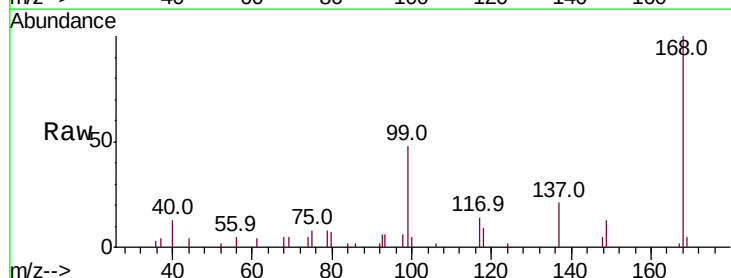
Tgt Ion: 56 Resp: 270

Ion Ratio Lower Upper

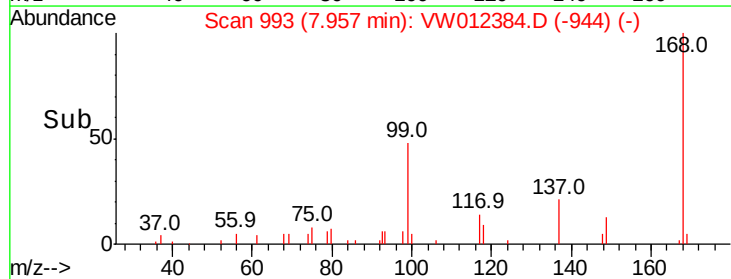
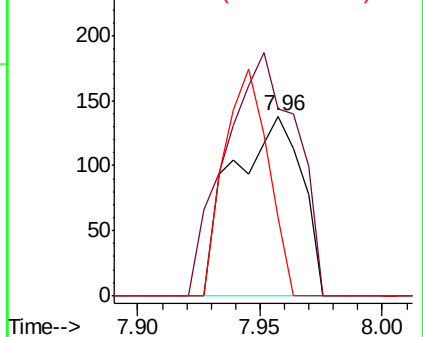
56 100

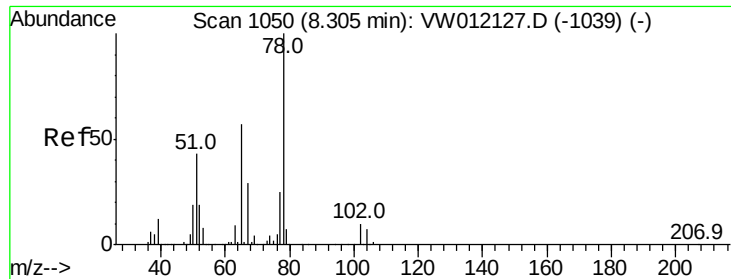
69 104.3 24.9 37.3#

84 43.5 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

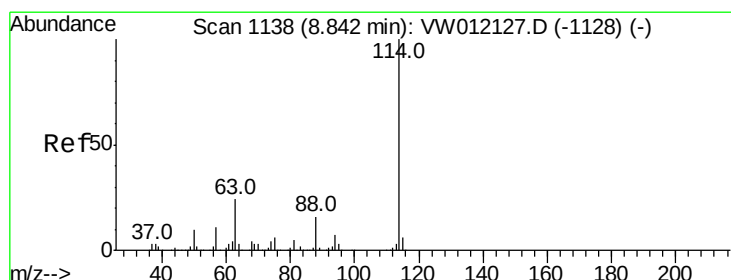
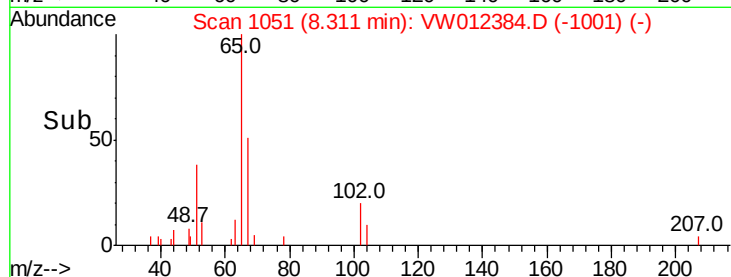
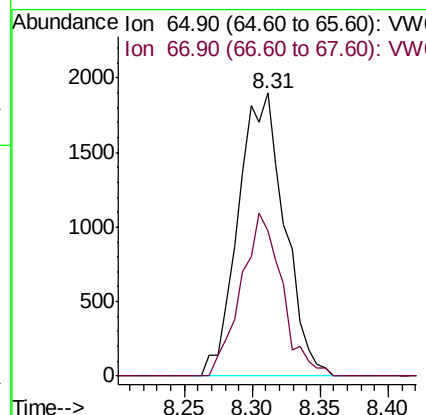
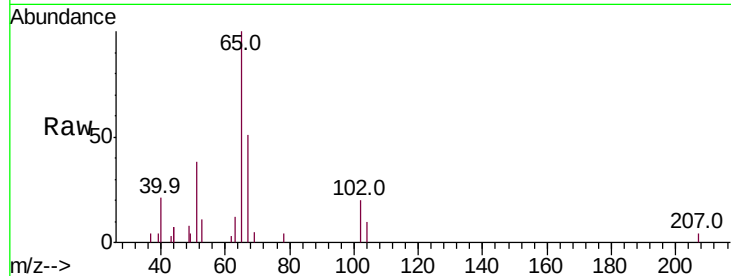




#33
 1,2-Dichloroethane-d4
 Concen: 48.533 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW012384.D
 Acq: 31 Aug 2019 07:13

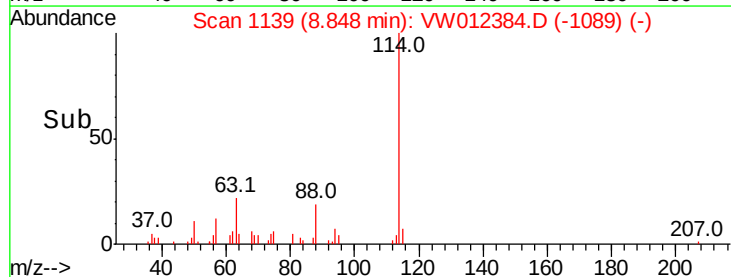
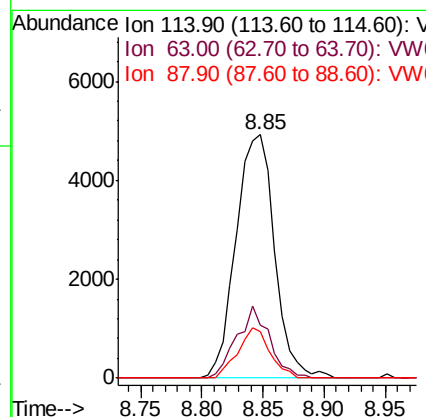
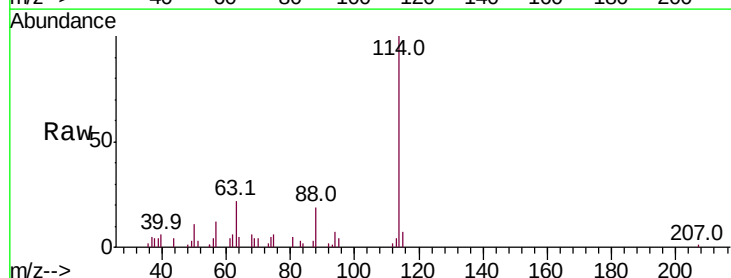
Instrument :
 MSVOA_W
 ClientSampled :

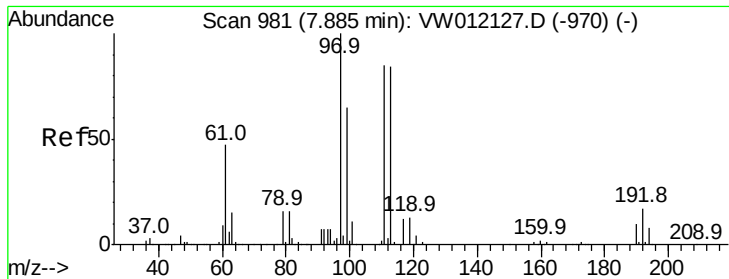
Tot Ion: 65 Resp: 4514
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW012384.D
 Acq: 31 Aug 2019 07:13

Tgt Ion: 114 Resp: 10766
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 48.6
 88 18.9 0.0 32.2





#35

Dibromofluoromethane

Concen: 59.023 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012384.D

Acq: 31 Aug 2019 07:13

Instrument :

MSVOA_W

ClientSampleId :

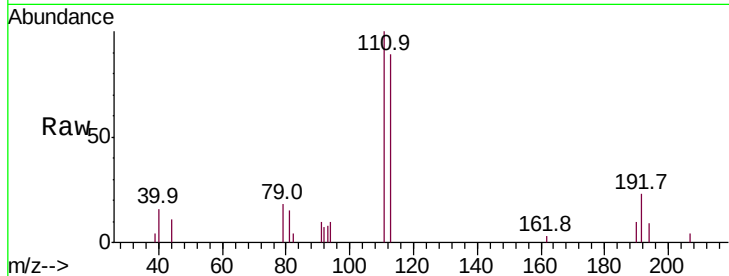
Tot Ion:113 Resp: 3793

Ion Ratio Lower Upper

113 100

111 101.9 82.7 124.1

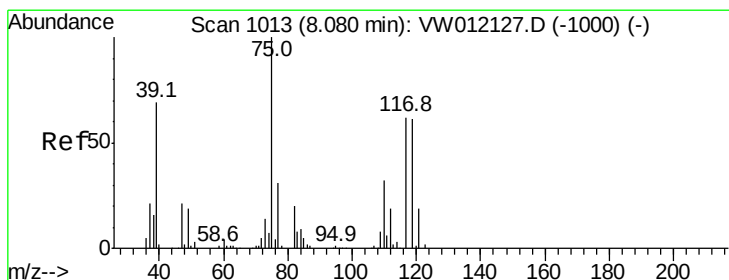
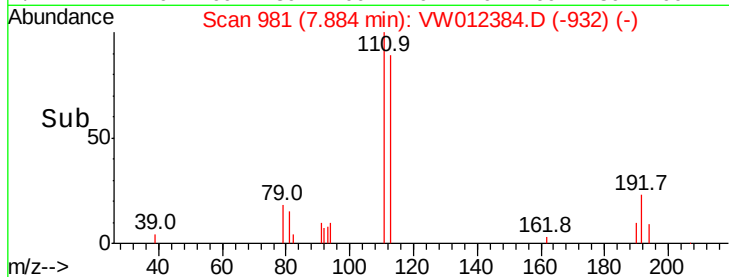
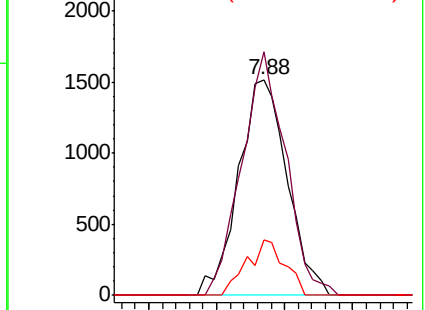
192 20.2 16.2 24.2



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: 6.112 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW012384.D

Acq: 31 Aug 2019 07:13

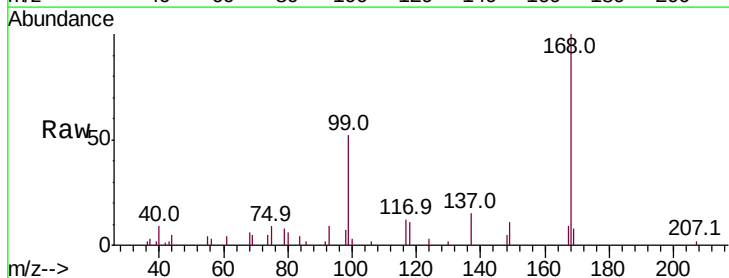
Tgt Ion: 75 Resp: 680

Ion Ratio Lower Upper

75 100

110 2.6 15.6 46.8#

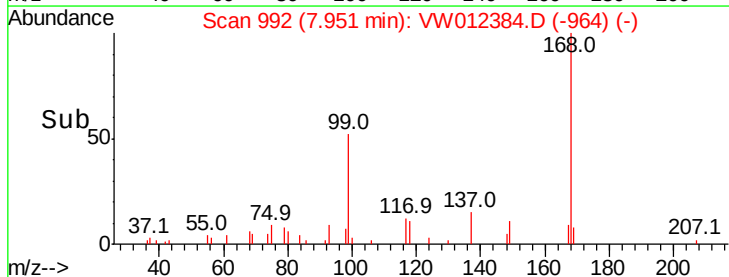
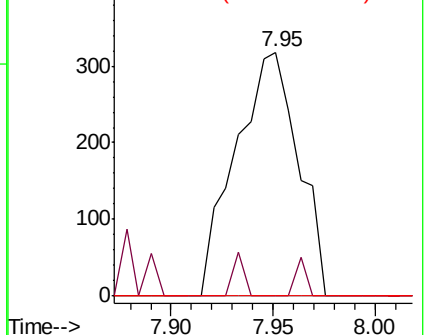
77 0.0 24.6 36.8#

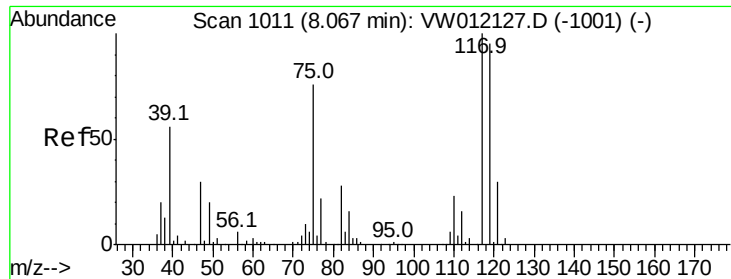


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

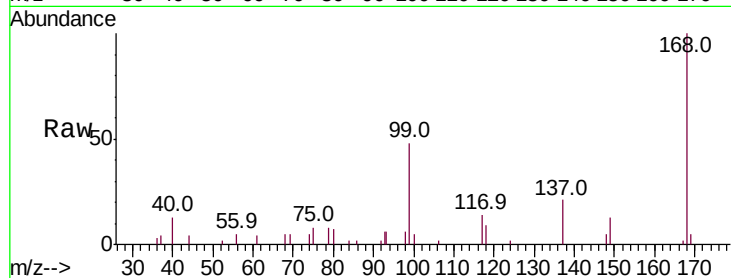




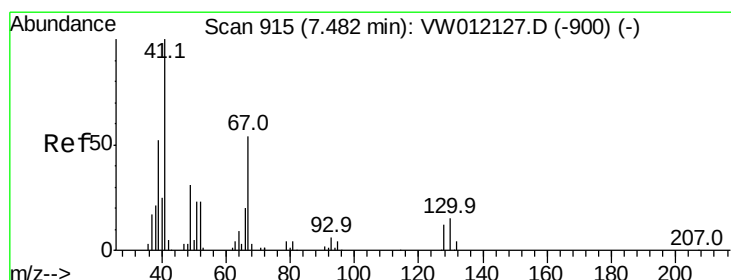
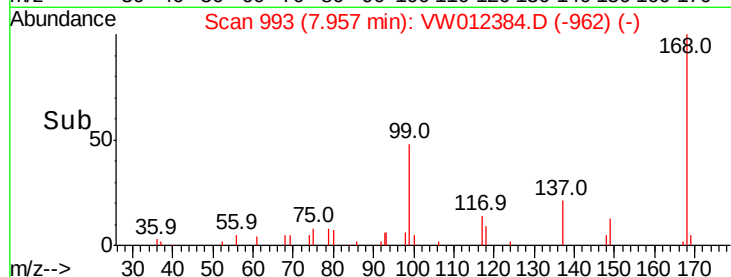
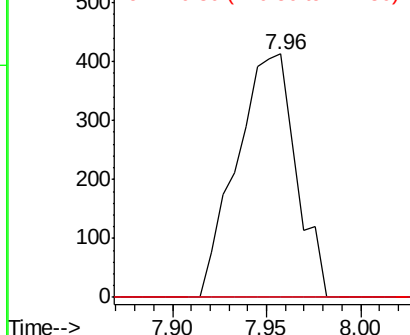
#38
Carbon Tetrachloride
Concen: 9.336 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.11 min
Lab File: VW012384.D
Acq: 31 Aug 2019 07:13

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 899
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 23.8 35.8#

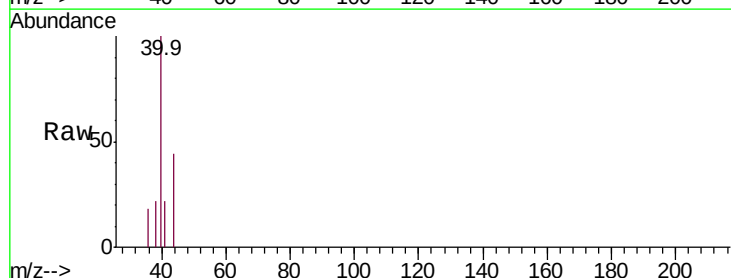


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

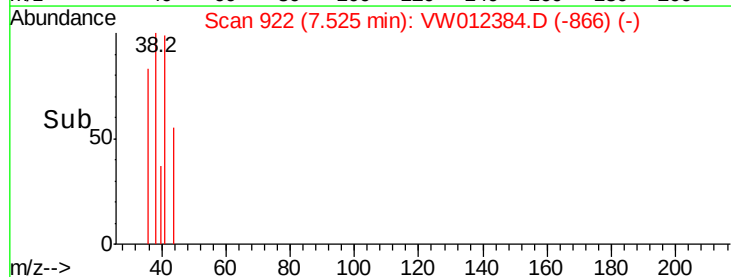
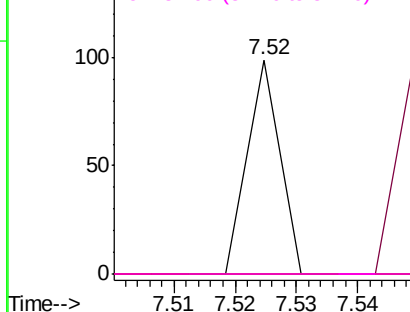


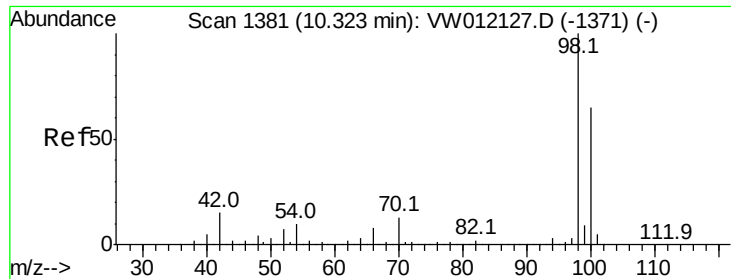
#41
Methacrylonitrile
Concen: 1.005 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.04 min
Lab File: VW012384.D
Acq: 31 Aug 2019 07:13

Tgt Ion: 41 Resp: 36
Ion Ratio Lower Upper
41 100
39 0.0 45.8 68.8#
67 0.0 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





#50

Toluene-d8

Concen: 47.558 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012384.D

Acq: 31 Aug 2019 07:13

Instrument :

MSVOA_W

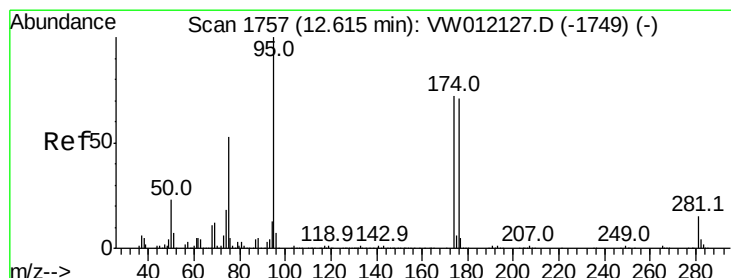
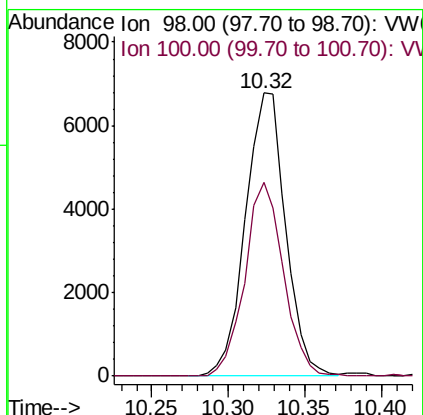
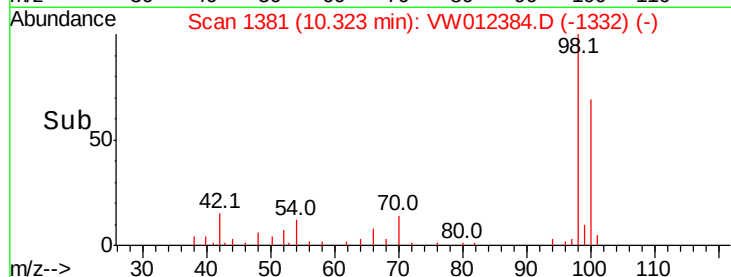
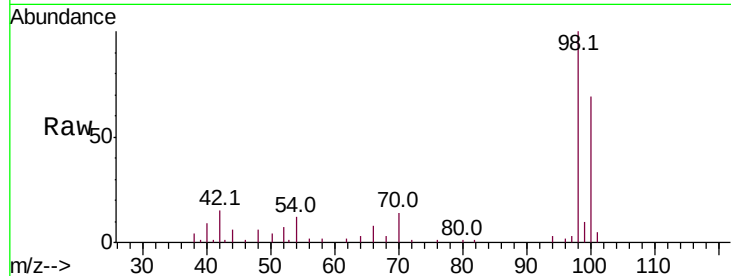
ClientSampleId :

Tot Ion: 98 Resp: 12392

Ion Ratio Lower Upper

98 100

100 65.6 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 20.207 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012384.D

Acq: 31 Aug 2019 07:13

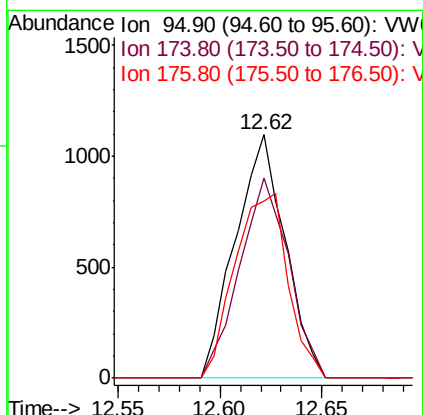
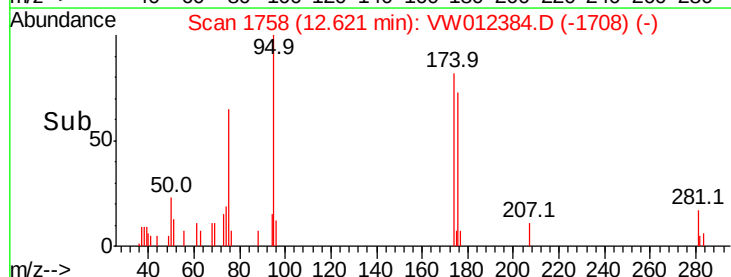
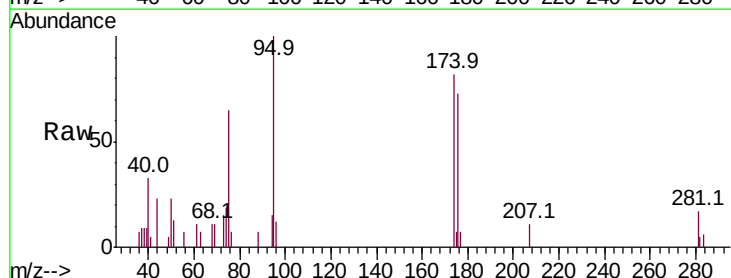
Tgt Ion: 95 Resp: 1856

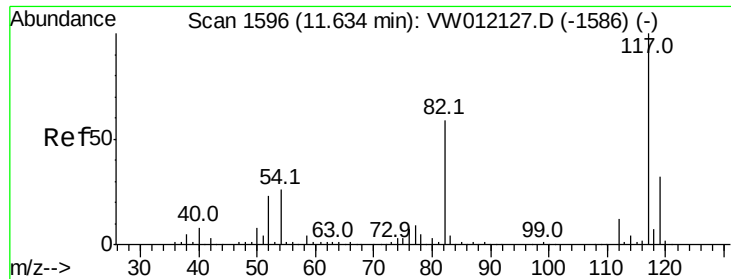
Ion Ratio Lower Upper

95 100

174 81.1 0.0 150.8

176 81.0 0.0 148.6

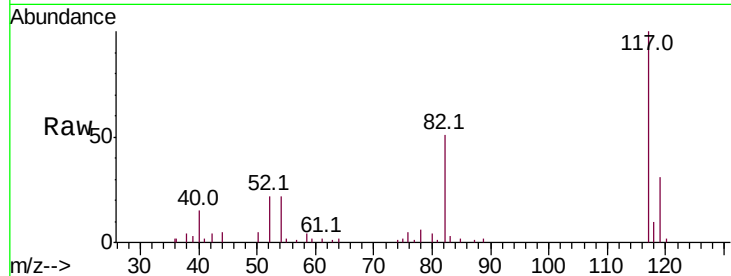




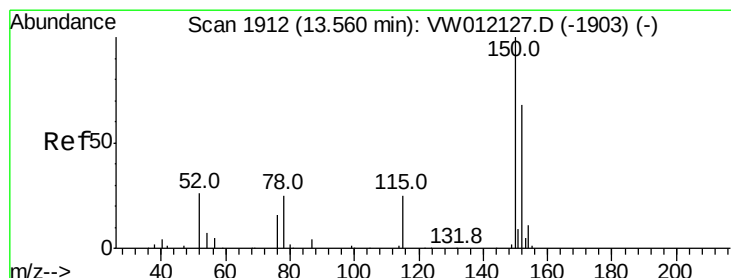
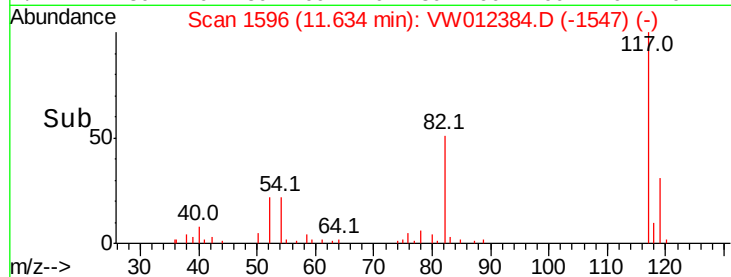
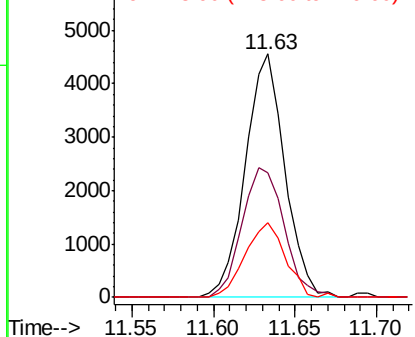
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012384.D
Acq: 31 Aug 2019 07:13

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 7696
Ion Ratio Lower Upper
117 100
82 51.0 47.4 71.2
119 30.9 25.4 38.2

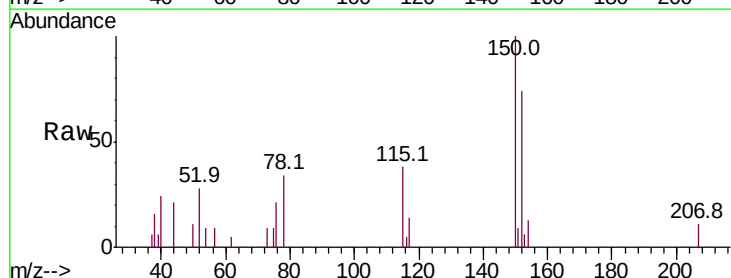


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

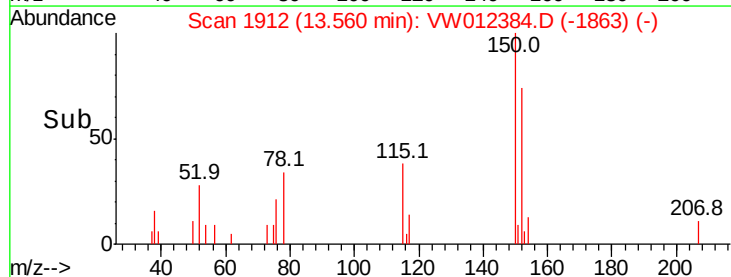
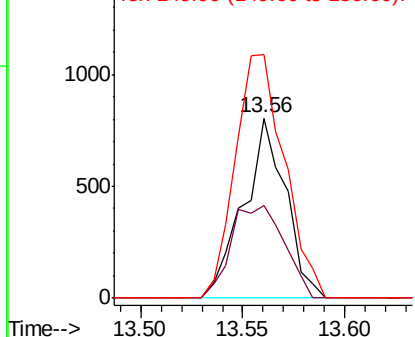


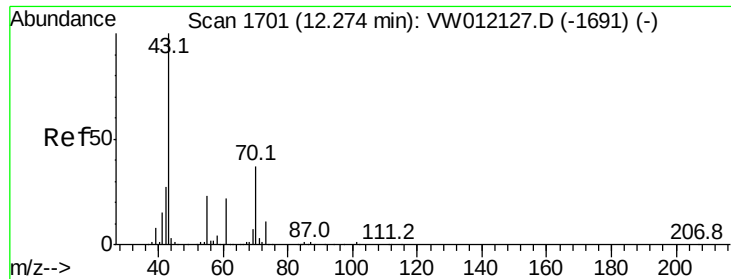
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012384.D
Acq: 31 Aug 2019 07:13

Tgt Ion:152 Resp: 1157
Ion Ratio Lower Upper
152 100
115 64.3 30.1 90.3
150 157.3 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





#74

N-amvl acetate

Concen: 1.107 ug/l

RT: 12.01 min Scan# 1658

Delta R.T. -0.26 min

Lab File: VW012384.D

Acq: 31 Aug 2019 07:13

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 29

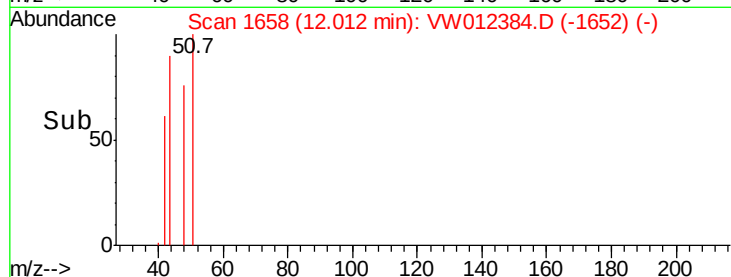
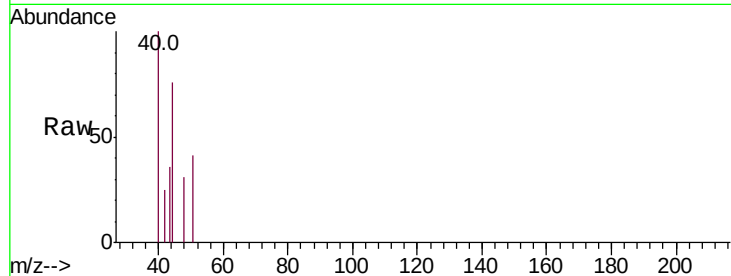
Ion Ratio Lower Upper

43 100

70 0.0 28.6 43.0#

55 69.0 17.8 26.6#

61 0.0 17.3 25.9#

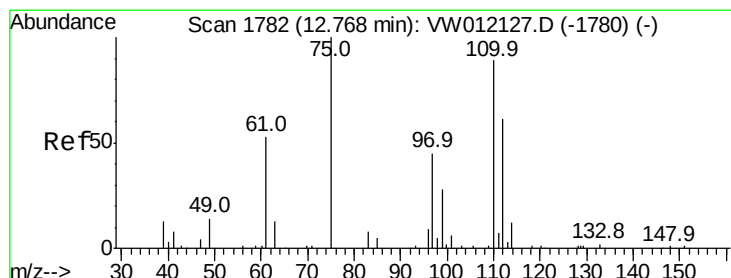
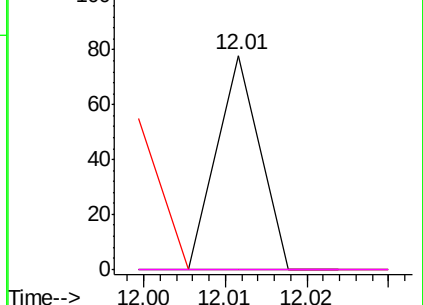


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 3.727 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.13 min

Lab File: VW012384.D

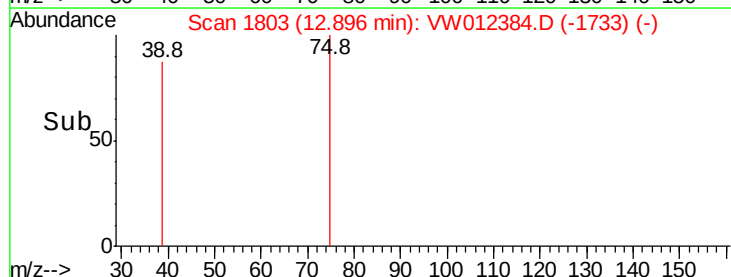
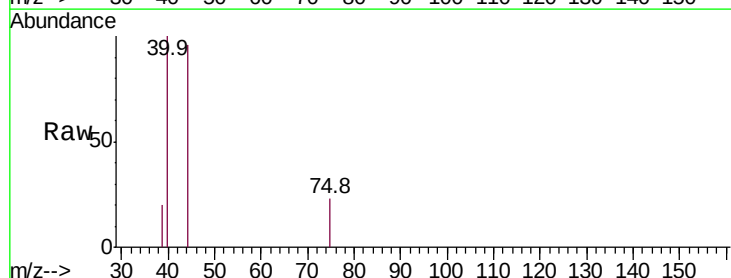
Acq: 31 Aug 2019 07:13

Tgt Ion: 75 Resp: 42

Ion Ratio Lower Upper

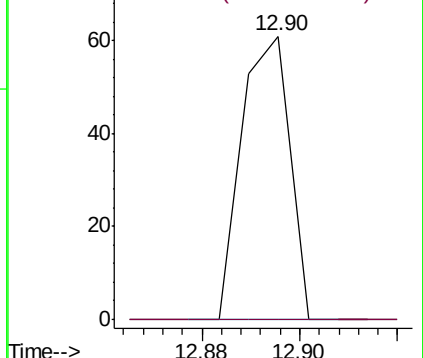
75 100

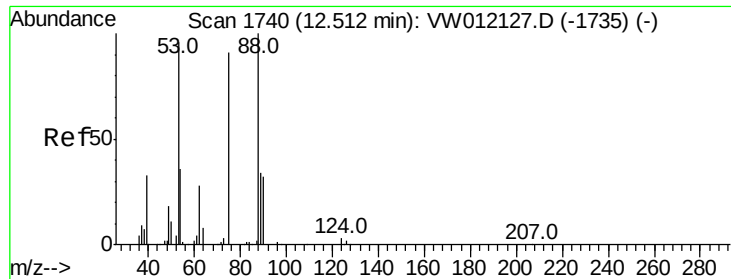
77 0.0 0.0 0.0



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: 218.313 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW012384.D

Acq: 31 Aug 2019 07:13

Instrument :

MSVOA_W

ClientSampleId :

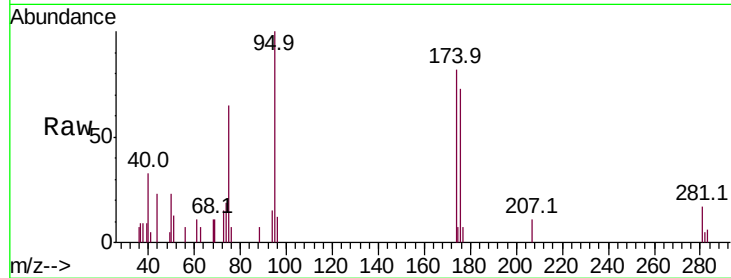
Tot Ion: 75 Resp: 1122

Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

89 0.0 34.5 51.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

