

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091619\
 Data File : VW013038.D
 Acq On : 16 Sep 2019 13:50
 Operator : SY/VA
 Sample : K4852-08RE
 Misc : 5.12G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

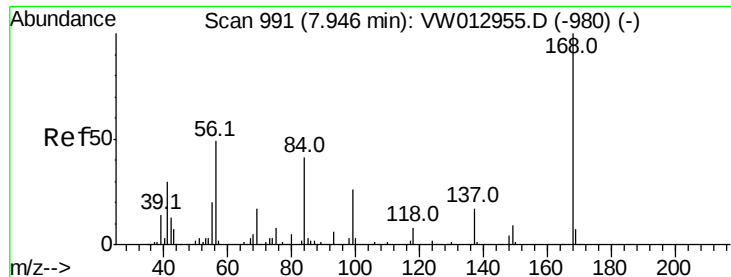
Quant Time: Sep 16 14:15:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	294561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	440905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	369719	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	158481	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	148315	54.52	ug/l	0.00
Spiked Amount			Recovery	=	109.04%	
35) Dibromofluoromethane	7.88	113	127572	53.32	ug/l	0.00
Spiked Amount			Recovery	=	106.64%	
50) Toluene-d8	10.32	98	520301	55.58	ug/l	0.00
Spiked Amount			Recovery	=	111.16%	
62) 4-Bromofluorobenzene	12.62	95	167058	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	357	Below Cal	#	40
11) Tert butyl alcohol	5.11	59	1194	Below Cal	#	72
13) Acrolein	3.89	56	49	Below Cal	#	15
16) Acetone	4.14	43	2297	Below Cal	#	65
20) Methylene Chloride	4.91	84	6148	Below Cal	#	94
26) 2,2-Dichloropropane	7.14	77	278	Below Cal	#	55
31) Cyclohexane	7.94	56	6273	Below Cal	#	11
36) 1,1-Dichloropropene	7.94	75	21507	6.104	ug/l #	52
38) Carbon Tetrachloride	7.95	117	27916	7.732	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	2775	1.497	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	84893	61.155	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84893	138.728	ug/l #	7

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013038.D

Acq: 16 Sep 2019 13:50

Instrument :

MSVOA_W

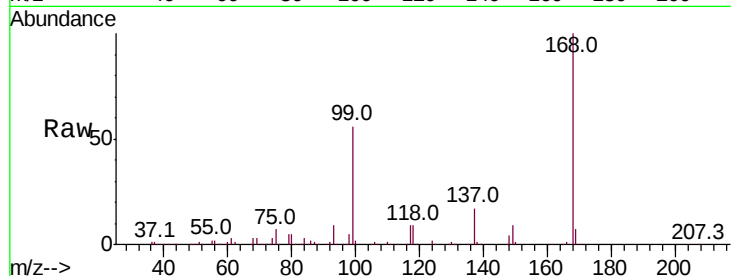
ClientSampleId :

Tot Ion:168 Resp: 294561

Ion Ratio Lower Upper

168 100

99 55.7 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

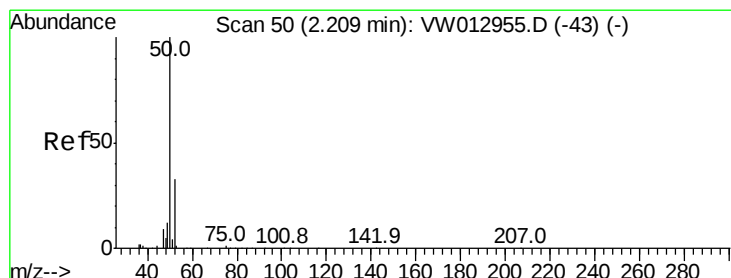
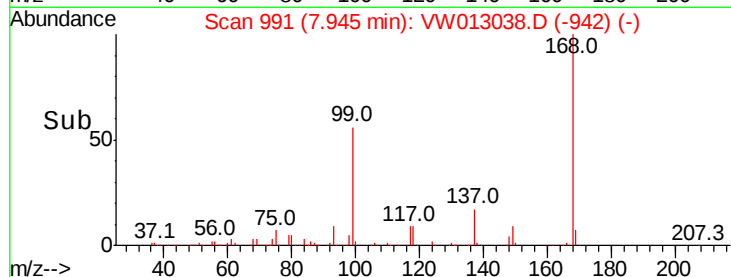
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013038.D

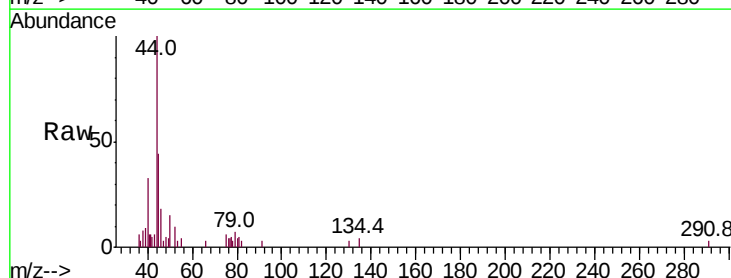
Acq: 16 Sep 2019 13:50

Tgt Ion: 50 Resp: 357

Ion Ratio Lower Upper

50 100

52 67.3 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

300

250

200

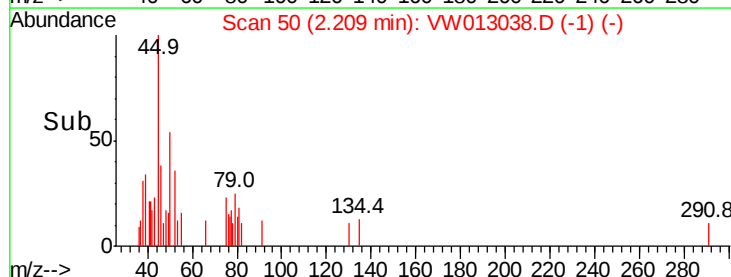
150

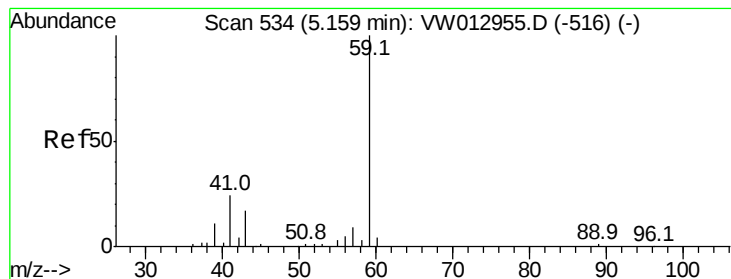
100

50

0

Time-->



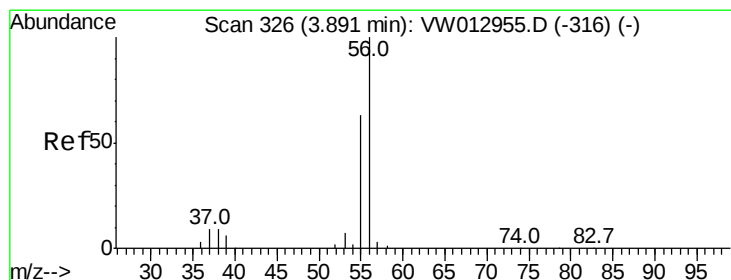
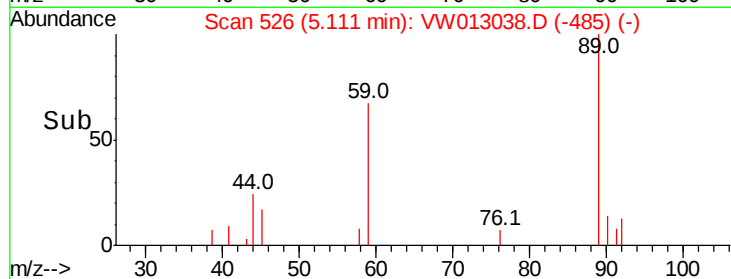
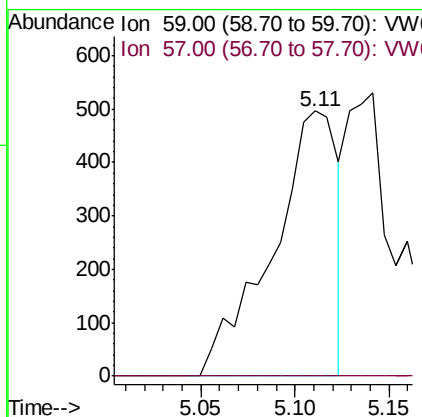
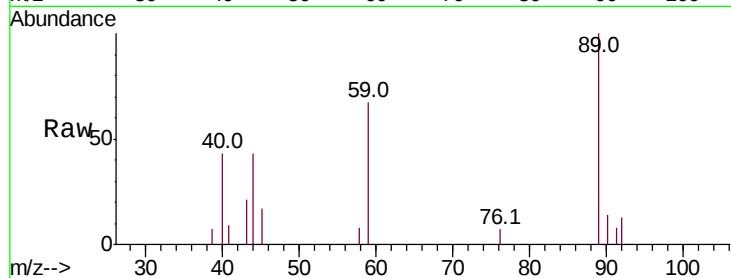


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.11 min Scan# 526
 Delta R.T. -0.05 min
 Lab File: VW013038.D
 Acq: 16 Sep 2019 13:50

Instrument :
 MSVOA_W
 ClientSampled :

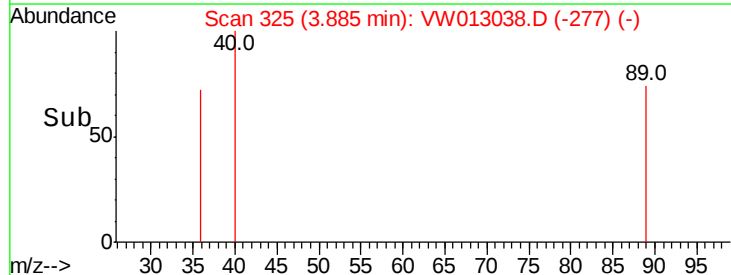
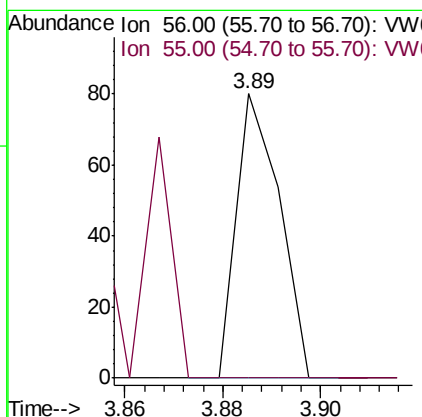
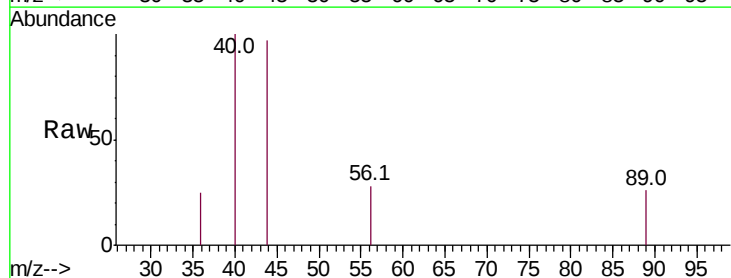
Tot Ion: 59 Resp: 1194
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

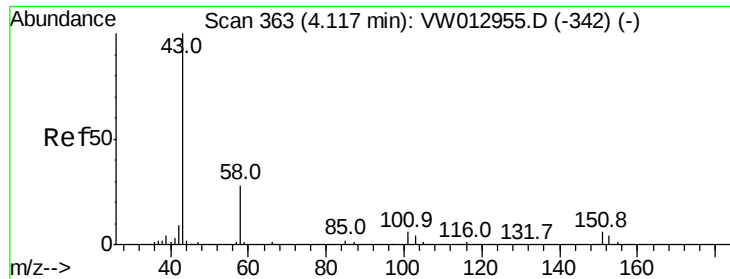


#13

Acrolein
 Concen: Below Cal
 RT: 3.89 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VW013038.D
 Acq: 16 Sep 2019 13:50

Tgt Ion: 56 Resp: 49
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#





#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 367

Delta R.T. 0.03 min

Lab File: VW013038.D

Acq: 16 Sep 2019 13:50

Instrument :

MSVOA_W

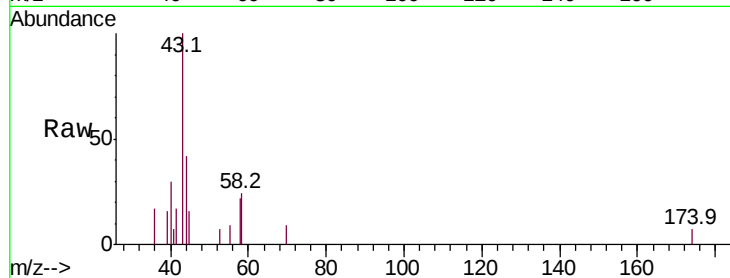
ClientSampleId :

Tot Ion: 43 Resp: 2297

Ion Ratio Lower Upper

43 100

58 46.4 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

800

600

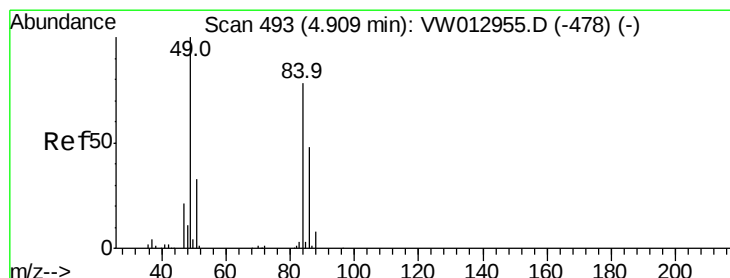
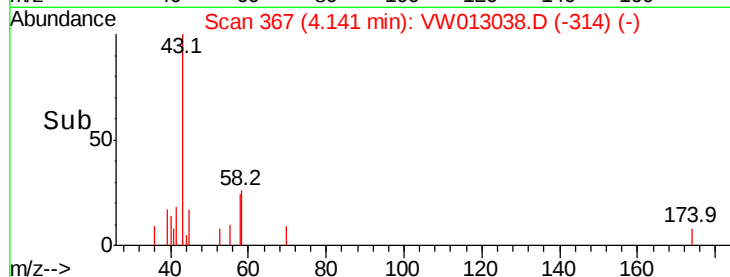
400

200

0

4.05 4.10 4.15 4.20

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW013038.D

Acq: 16 Sep 2019 13:50

Tgt Ion: 84 Resp: 6148

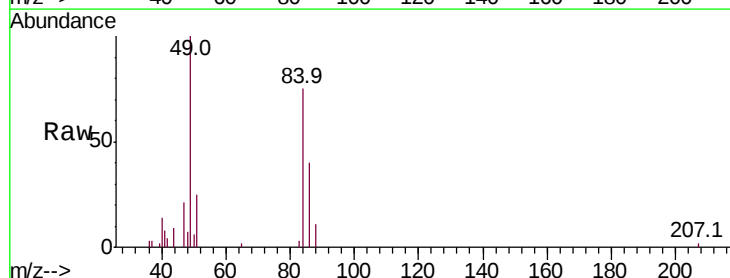
Ion Ratio Lower Upper

84 100

49 130.2 102.0 153.0

51 33.5 34.0 51.0#

86 53.8 48.5 72.7



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

4.91

4000

3000

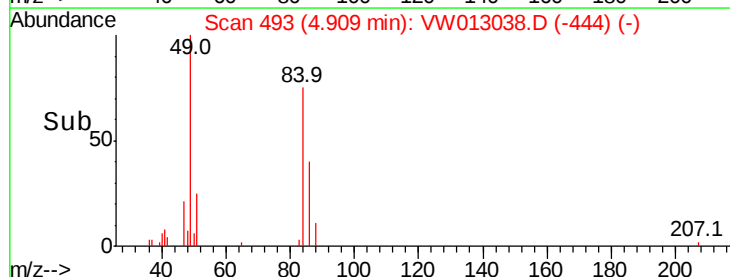
2000

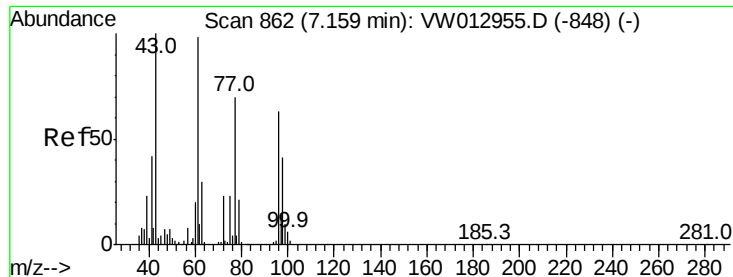
1000

0

4.80 4.90 5.00

Time-->





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013038.D

Acq: 16 Sep 2019 13:50

Instrument :

MSVOA_W

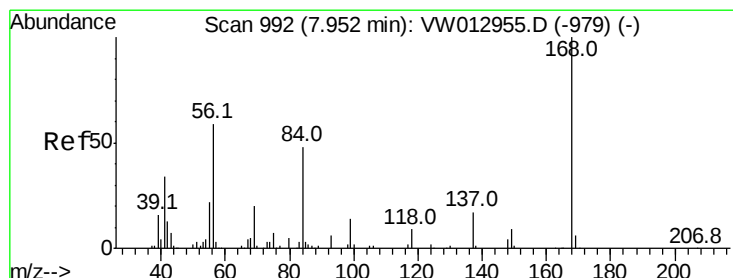
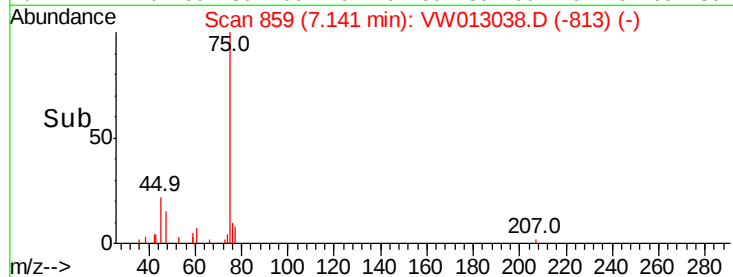
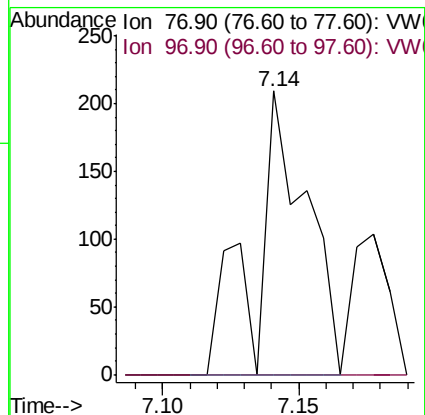
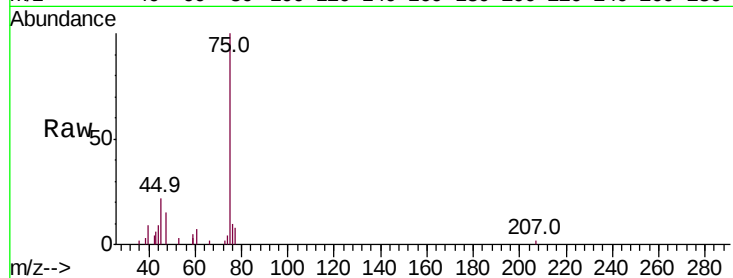
ClientSampleId :

Tot Ion: 77 Resp: 278

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#



#31

Cyclohexane

Concen: Below Cal

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013038.D

Acq: 16 Sep 2019 13:50

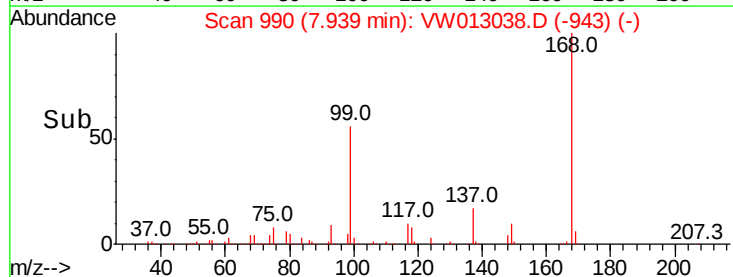
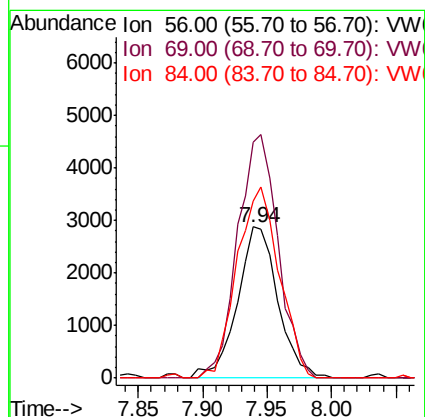
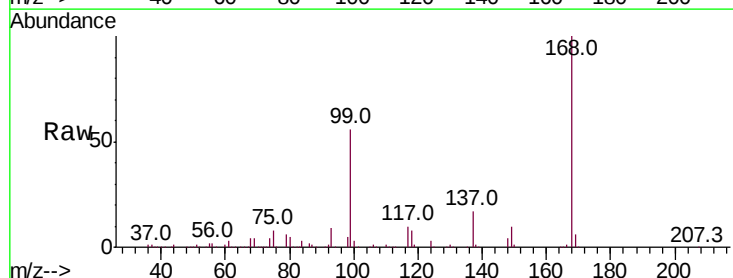
Tgt Ion: 56 Resp: 6273

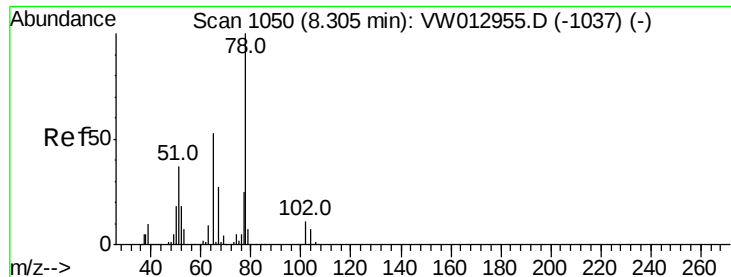
Ion Ratio Lower Upper

56 100

69 155.8 27.0 40.6#

84 117.0 66.2 99.2#

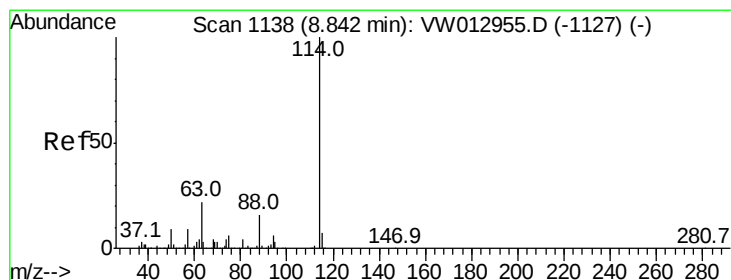
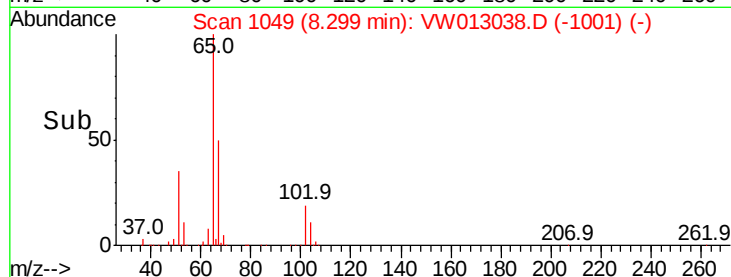
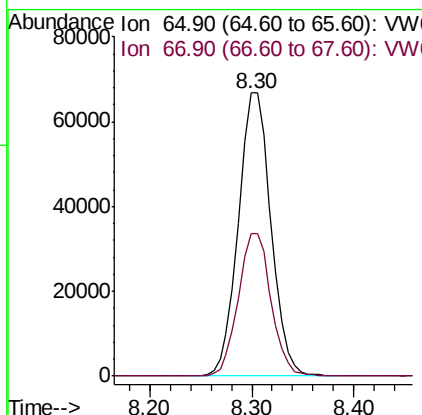
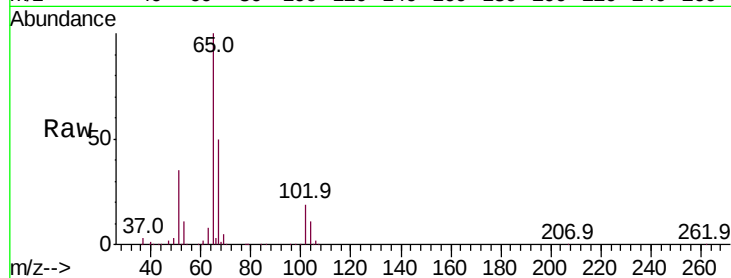




#33
 1,2-Dichloroethane-d4
 Concen: 54.518 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013038.D
 Acq: 16 Sep 2019 13:50

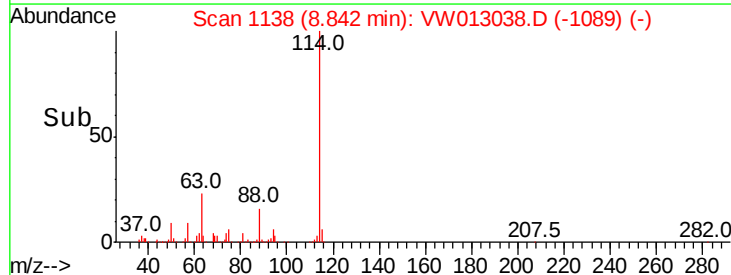
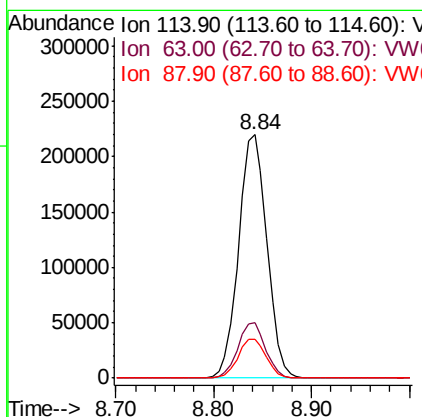
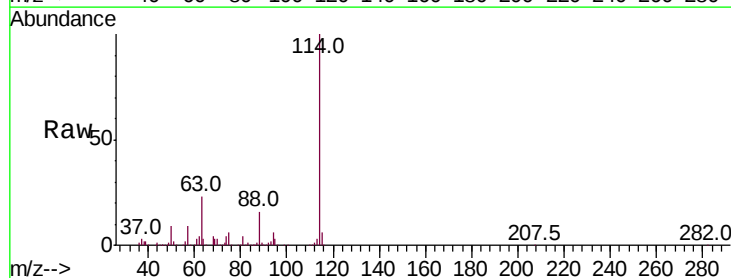
Instrument :
 MSVOA_W
 ClientSampleId :

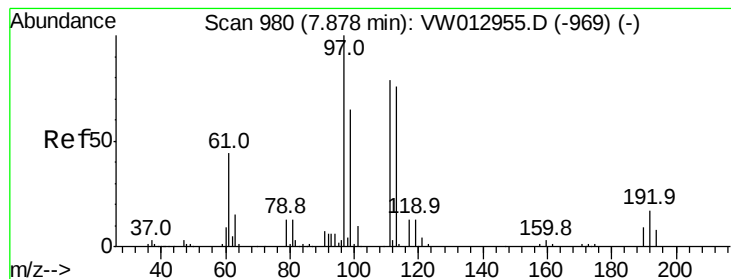
Tot Ion: 65 Resp: 148315
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013038.D
 Acq: 16 Sep 2019 13:50

Tgt Ion: 114 Resp: 440905
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 43.4
 88 16.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 53.324 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013038.D

Acq: 16 Sep 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

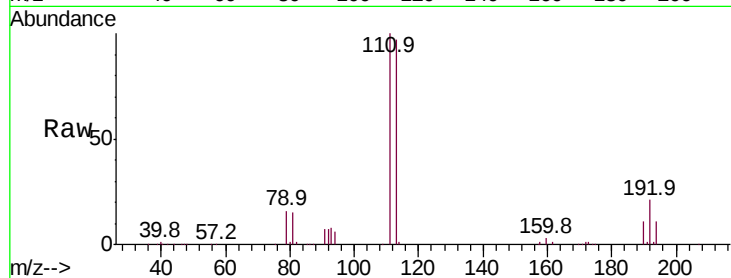
Tot Ion:113 Resp: 127572

Ion Ratio Lower Upper

113 100

111 101.8 82.8 124.2

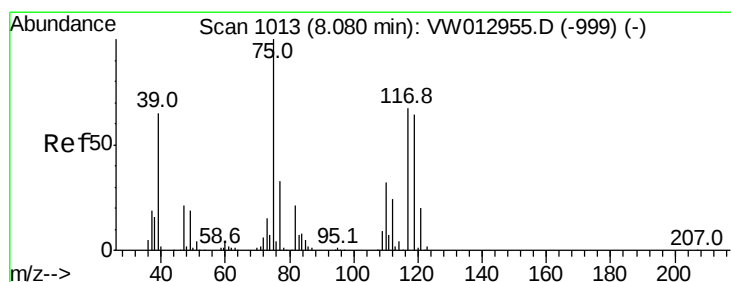
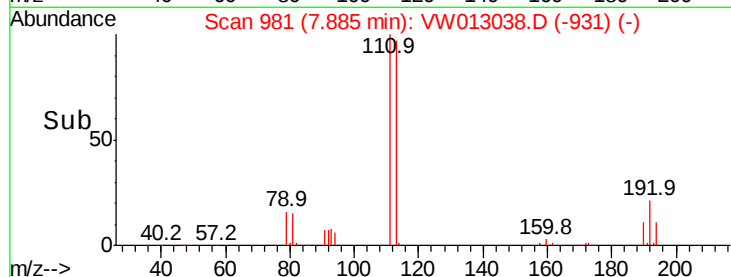
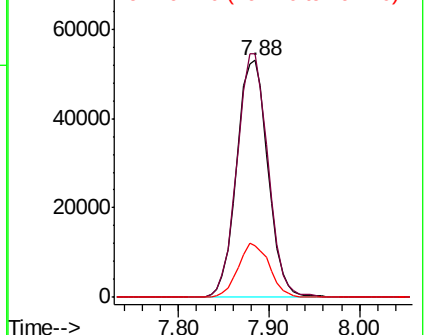
192 22.8 17.8 26.8



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: 6.104 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013038.D

Acq: 16 Sep 2019 13:50

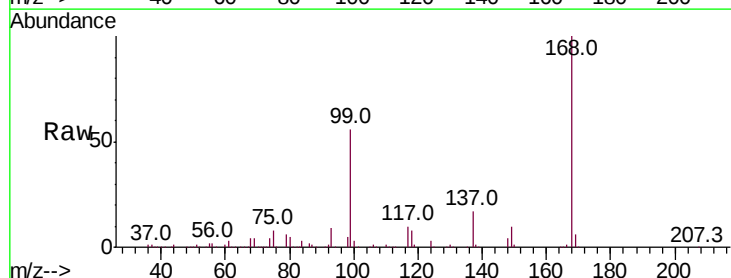
Tgt Ion: 75 Resp: 21507

Ion Ratio Lower Upper

75 100

110 10.0 16.4 49.1#

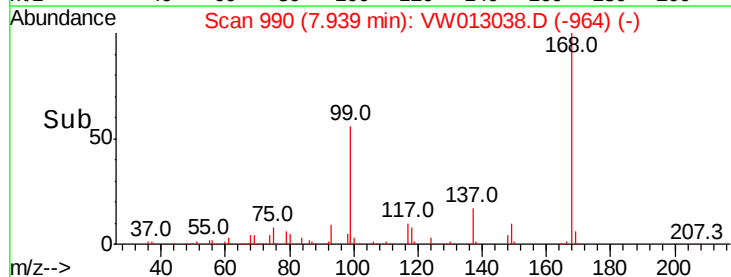
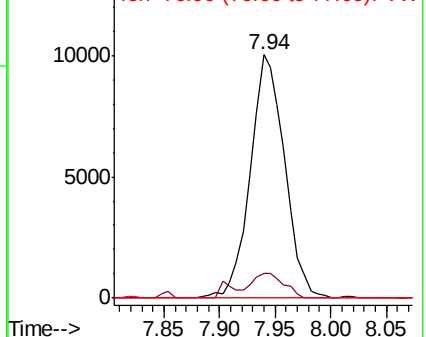
77 0.0 25.1 37.7#

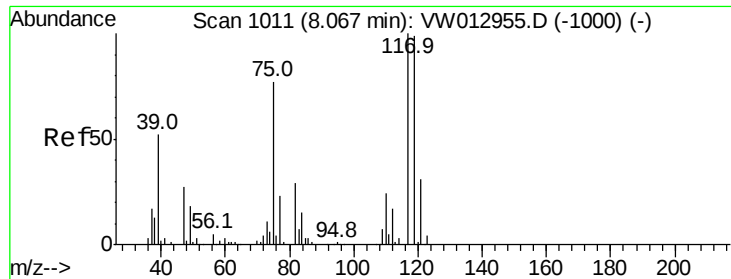


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

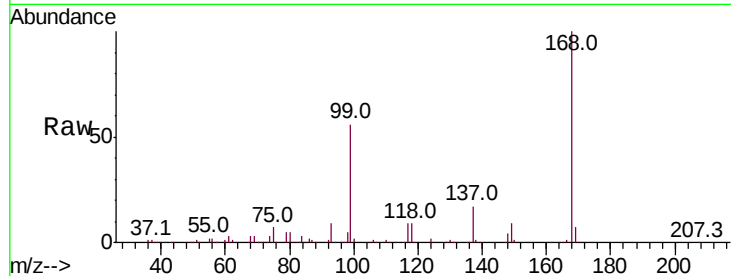




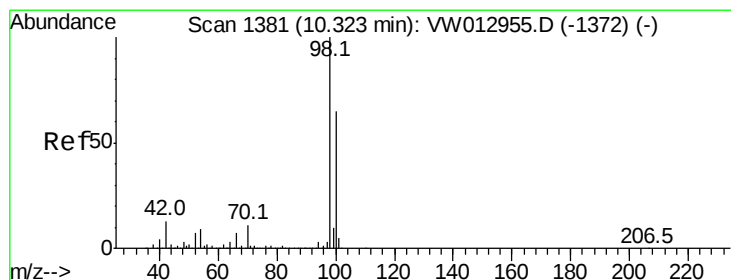
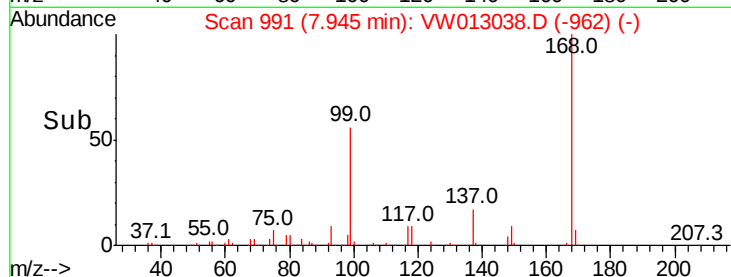
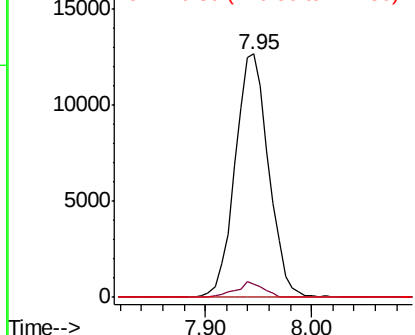
#38
Carbon Tetrachloride
Concen: 7.732 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013038.D
Acq: 16 Sep 2019 13:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 27916
Ion Ratio Lower Upper
117 100
119 5.2 79.4 119.0#
121 0.0 24.6 36.8#

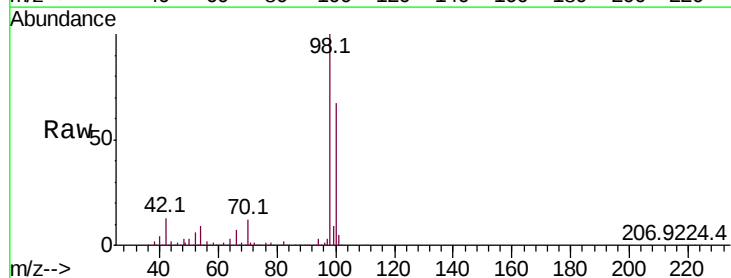


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

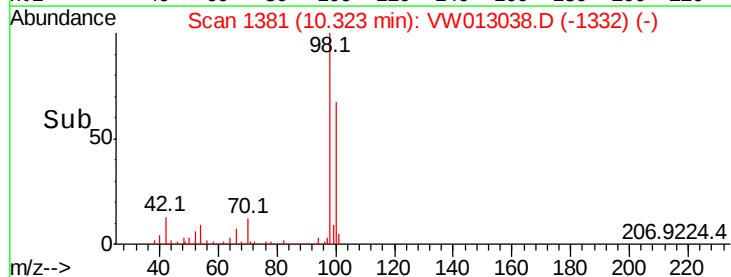
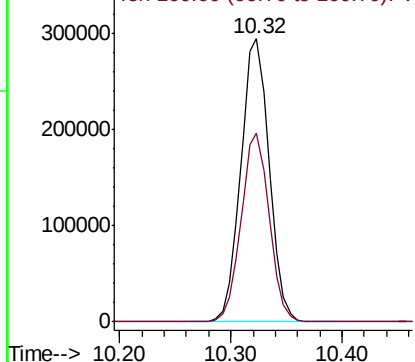


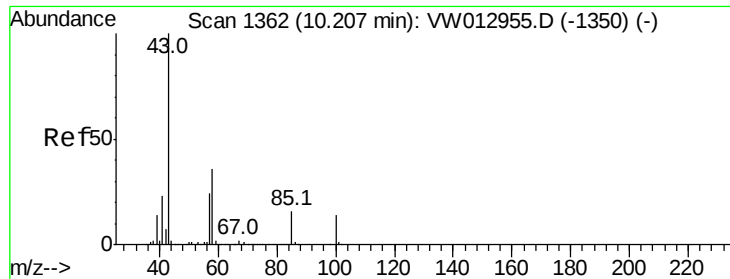
#50
Toluene-d8
Concen: 55.577 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013038.D
Acq: 16 Sep 2019 13:50

Tgt Ion: 98 Resp: 520301
Ion Ratio Lower Upper
98 100
100 65.8 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.497 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW013038.D

Acq: 16 Sep 2019 13:50

Instrument :

MSVOA_W

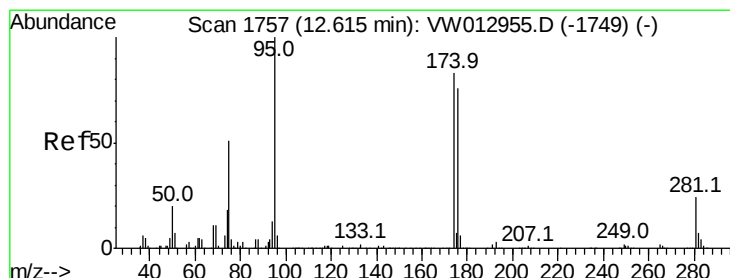
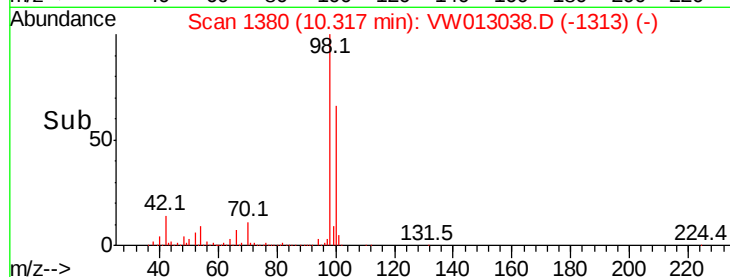
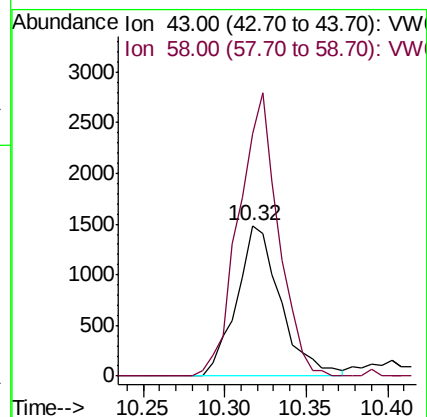
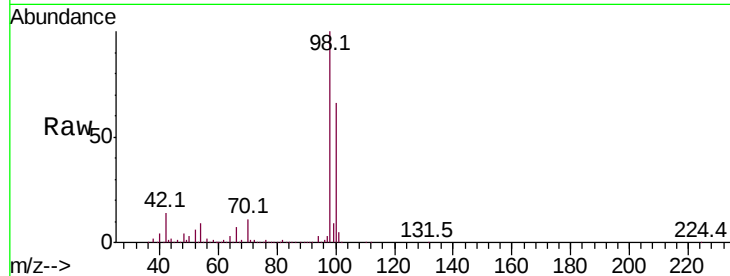
ClientSampleId :

Tot Ion: 43 Resp: 2775

Ion Ratio Lower Upper

43 100

58 171.4 29.5 44.3#



#62

4-Bromofluorobenzene

Concen: 49.627 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013038.D

Acq: 16 Sep 2019 13:50

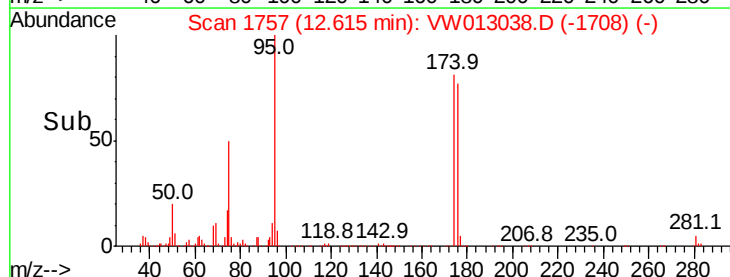
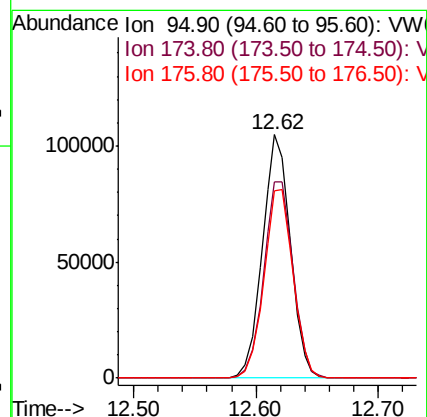
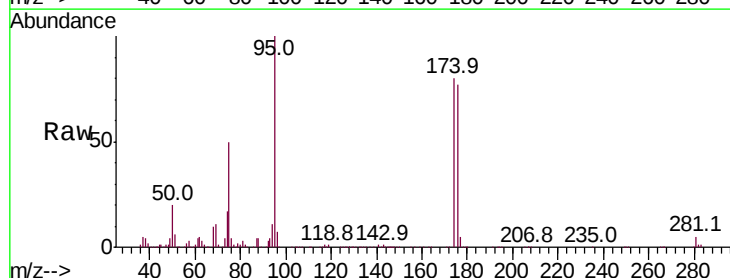
Tgt Ion: 95 Resp: 167058

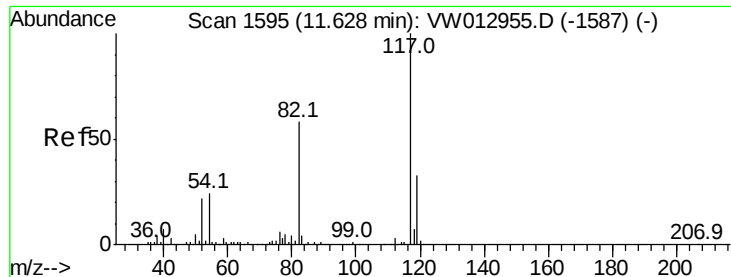
Ion Ratio Lower Upper

95 100

174 84.6 0.0 170.4

176 80.6 0.0 164.6

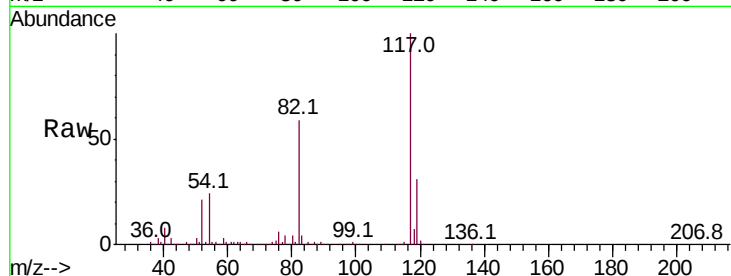




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013038.D
Acq: 16 Sep 2019 13:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	46.3	69.5
119	30.8	26.2	39.4

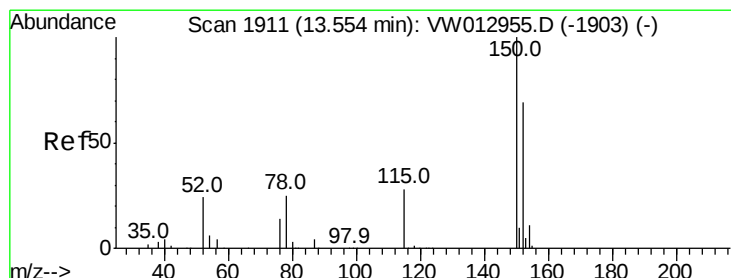
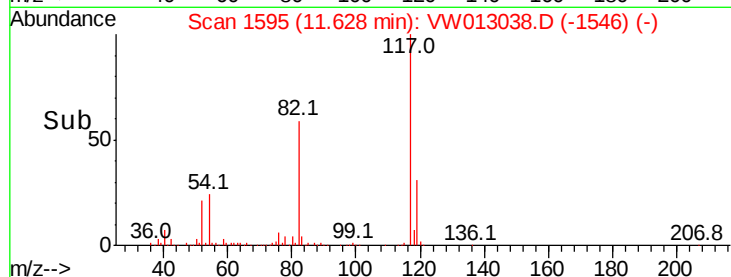
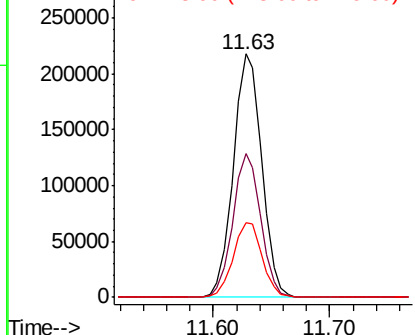


Abundance

Ion 116.90 (116.60 to 117.60): V

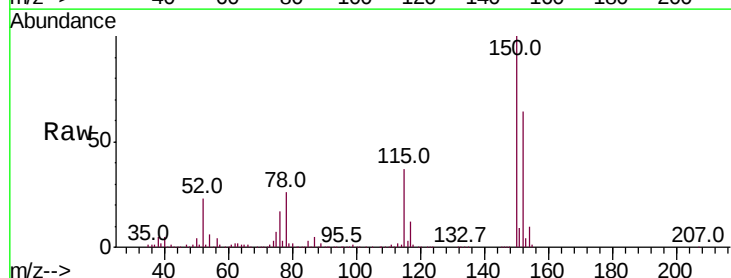
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW013038.D
Acq: 16 Sep 2019 13:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.8	86.4
150	157.1	0.0	340.2

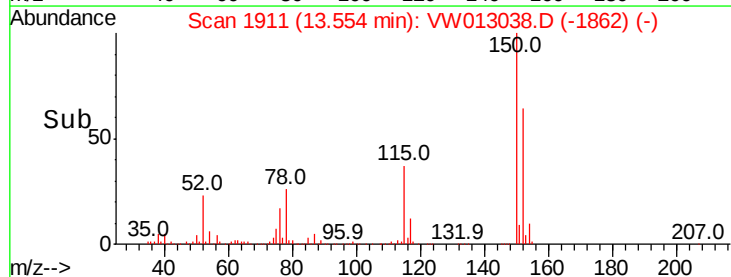
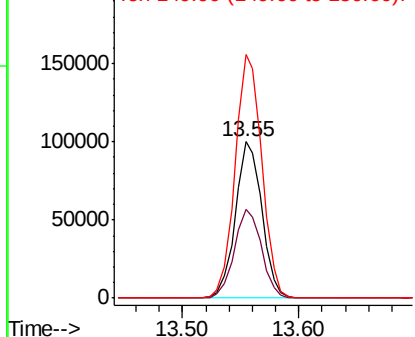


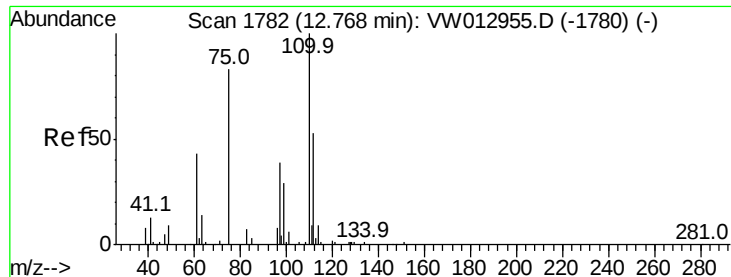
Abundance

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

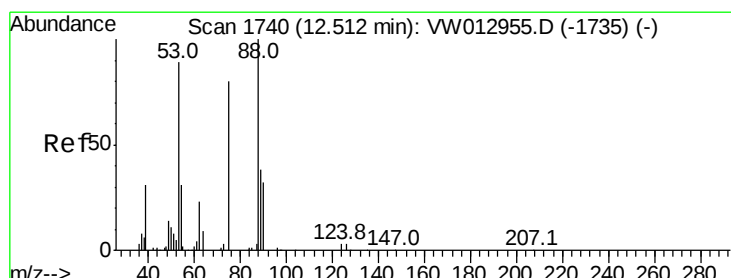
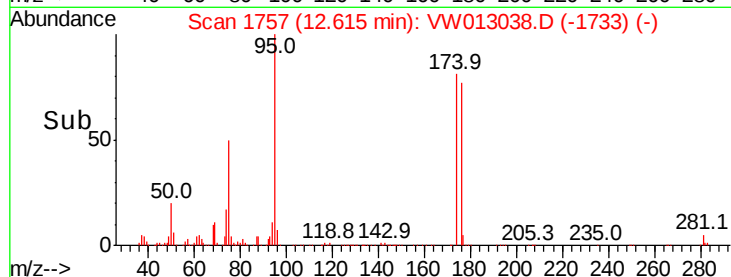
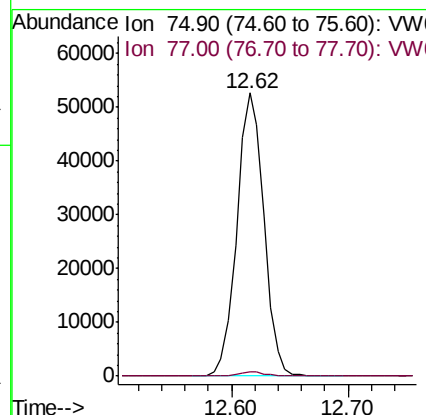
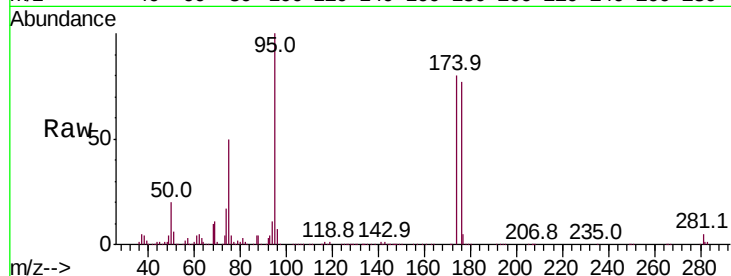




#76
 1,2,3-Trichloropropane
 Concen: 61.155 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW013038.D
 Acq: 16 Sep 2019 13:50

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 84893
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.728 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013038.D
 Acq: 16 Sep 2019 13:50

Tgt Ion: 75 Resp: 84893
 Ion Ratio Lower Upper
 75 100
 53 0.2 85.6 128.4#
 89 0.1 37.2 55.8#

