

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100919\
 Data File : VW013510.D
 Acq On : 09 Oct 2019 17:53
 Operator : SY/VA
 Sample : K5292-03
 Misc : 5.09G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 20190855-AMENDED-COMP-B

Quant Time: Oct 10 02:41:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:54:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	339843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	508118	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	435273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	197265	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	139969	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
35) Dibromofluoromethane	7.88	113	104700	36.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.78%	
50) Toluene-d8	10.32	98	593528	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.62	95	191369	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	

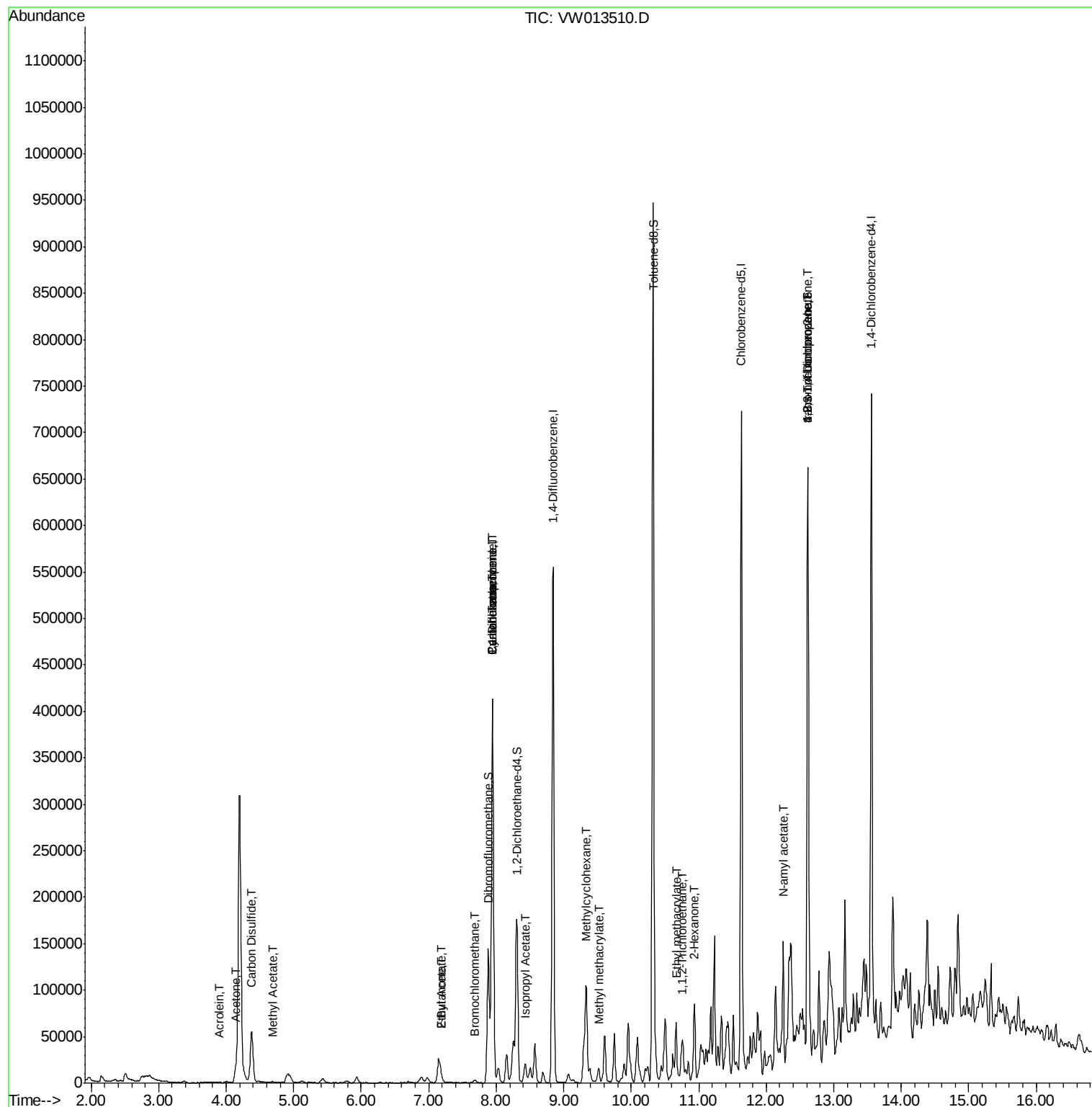
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	504	Below Cal	#	72
13) Acrolein	3.90	56	969	7.791	ug/l	84
16) Acetone	4.14	43	31313	51.249	ug/l	90
17) Carbon Disulfide	4.38	76	121428	14.667	ug/l	98
18) Methyl Acetate	4.68	43	2258	1.290	ug/l	# 88
20) Methylene Chloride	4.91	84	6541	Below Cal		90
25) 2-Butanone	7.19	43	9292	10.319	ug/l	# 89
28) Bromochloromethane	7.68	49	93	2.404	ug/l	# 98
31) Cyclohexane	7.95	56	12359	2.250	ug/l	# 23
36) 1,1-Dichloropropene	7.95	75	21909	4.766	ug/l	# 48
37) Ethyl Acetate	7.19	43	9292	4.455	ug/l	# 68
38) Carbon Tetrachloride	7.95	117	28957	7.106	ug/l	# 15
39) Methylcyclohexane	9.34	83	46004	7.725	ug/l	92
43) Isopropyl Acetate	8.42	43	4356	1.156	ug/l	# 50
48) Methyl methacrylate	9.52	41	4348	2.343	ug/l	# 77
55) 1,1,2-Trichloroethane	10.76	97	14742	6.401	ug/l	# 21
56) Ethyl methacrylate	10.66	69	6472	2.087	ug/l	# 24
59) 2-Hexanone	10.93	43	32218	23.719	ug/l	# 27
74) N-amyl acetate	12.25	43	29186	9.444	ug/l	# 56
76) 1,2,3-Trichloropropane	12.62	75	88454	53.839	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.62	75	88454	110.056	ug/l	# 15

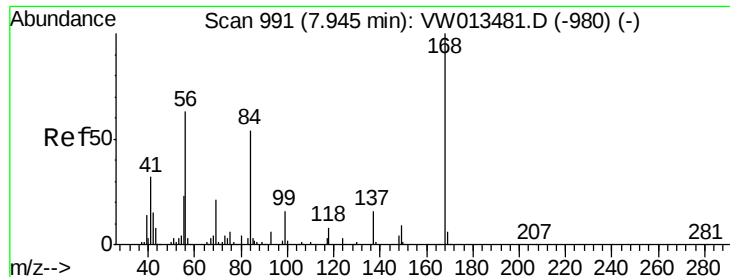
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW100919\
Data File : VW013510.D
Acq On : 09 Oct 2019 17:53
Operator : SY/VA
Sample : K5292-03
Misc : 5.09G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
20190855-AMENDED-COMP-B

Quant Time: Oct 10 02:41:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 09 05:54:09 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: VW013510.D

Acq: 09 Oct 2019 17:53

Instrument :

MSVOA_W

ClientSampleId :

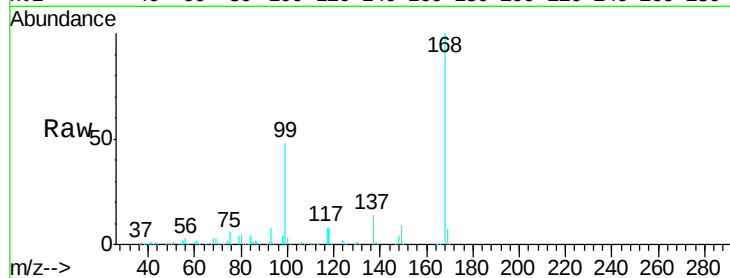
20190855-AMENDED-COMP-B

Tgt Ion:168 Resp: 339843

Ion Ratio Lower Upper

168 100

99 48.1 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

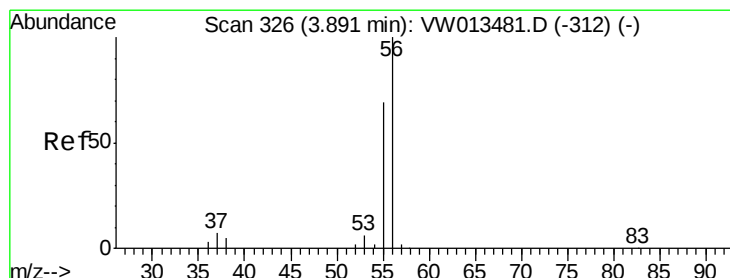
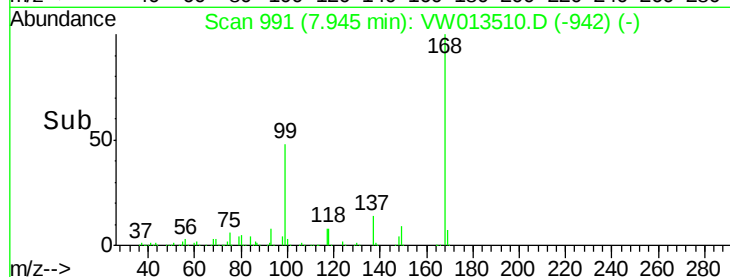
100000

50000

0

7.90 8.00

Time-->



#13

Acrolein

Concen: 7.791 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013510.D

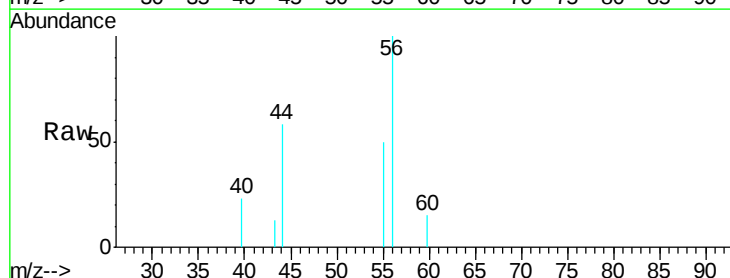
Acq: 09 Oct 2019 17:53

Tgt Ion: 56 Resp: 969

Ion Ratio Lower Upper

56 100

55 83.0 55.9 83.9



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.90

500

400

300

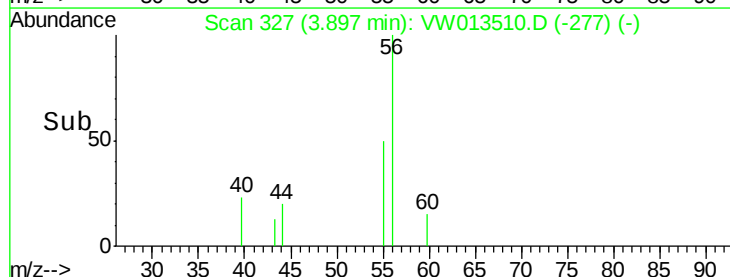
200

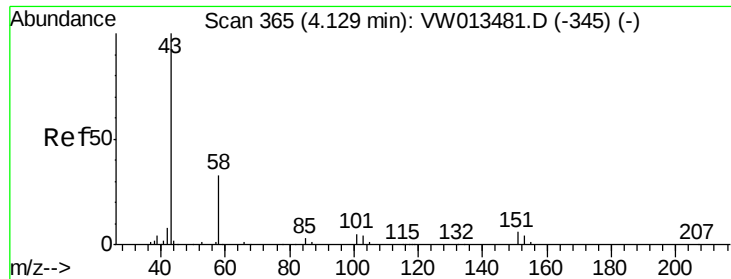
100

0

3.85 3.90 3.95

Time-->





#16

Acetone

Concen: 51.249 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW013510.D

Acq: 09 Oct 2019 17:53

Instrument :

MSVOA_W

ClientSampleId :

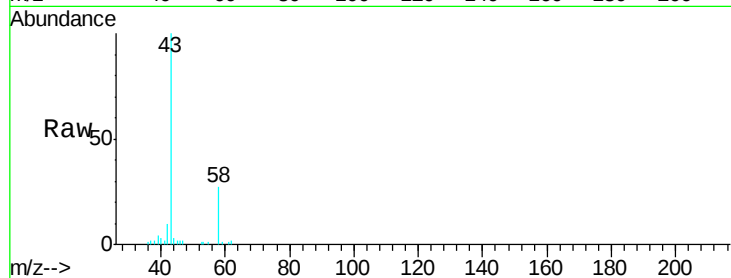
20190855-AMENDED-COMP-B

Tgt Ion: 43 Resp: 31313

Ion Ratio Lower Upper

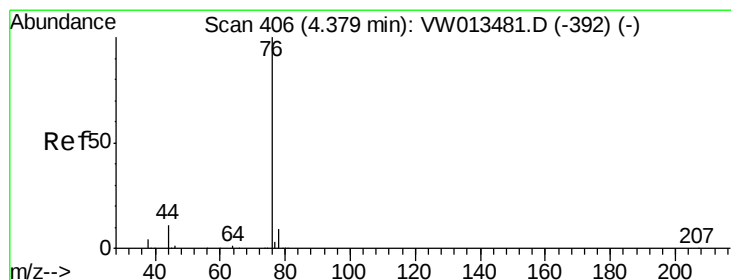
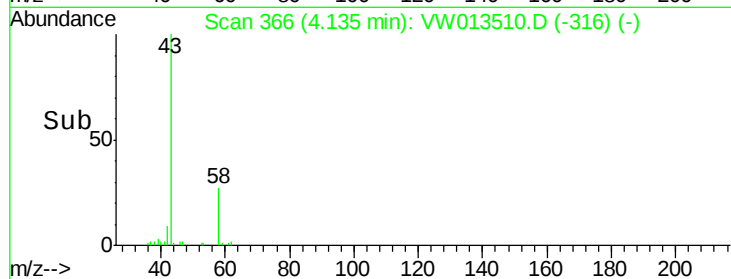
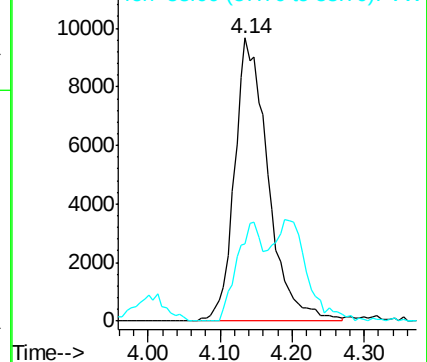
43 100

58 27.1 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 14.667 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013510.D

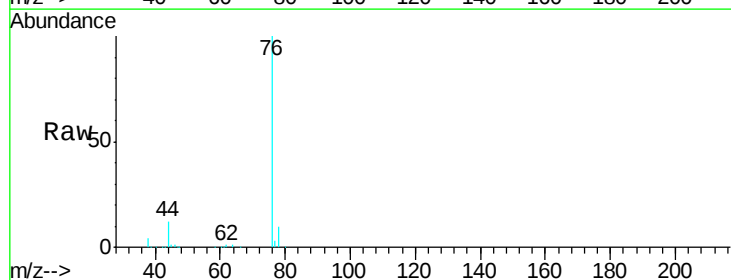
Acq: 09 Oct 2019 17:53

Tgt Ion: 76 Resp: 121428

Ion Ratio Lower Upper

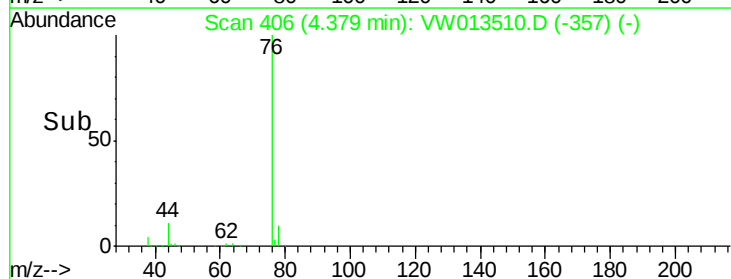
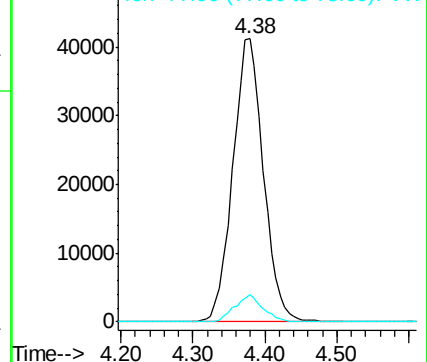
76 100

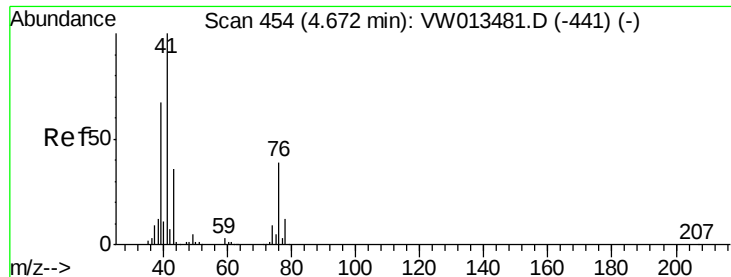
78 9.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

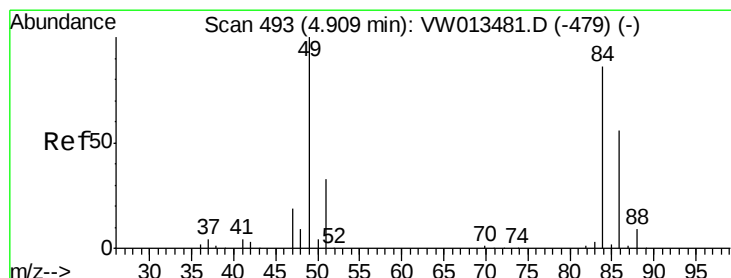
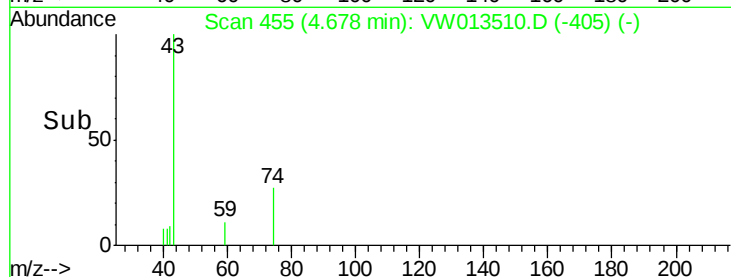
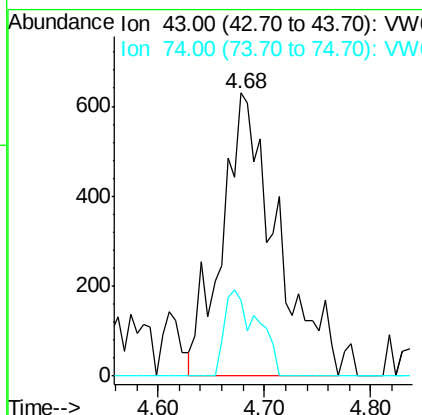
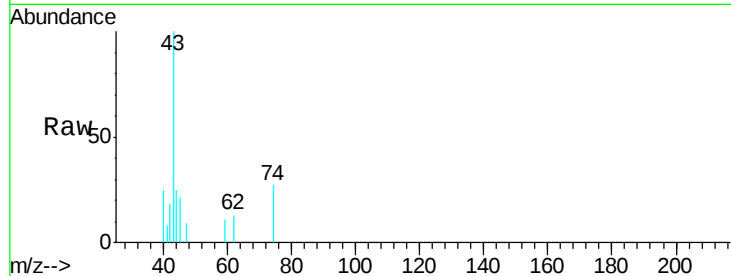




#18
Methyl Acetate
Concen: 1.290 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW013510.D
Acq: 09 Oct 2019 17:53

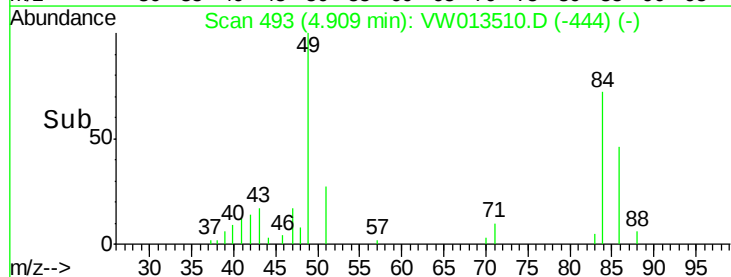
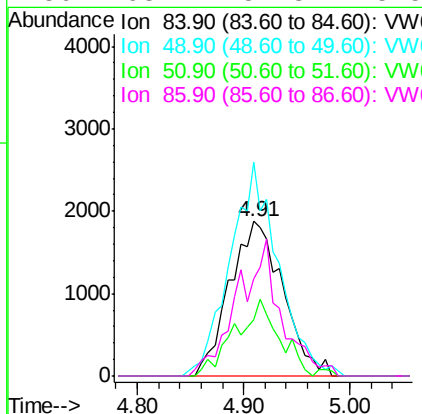
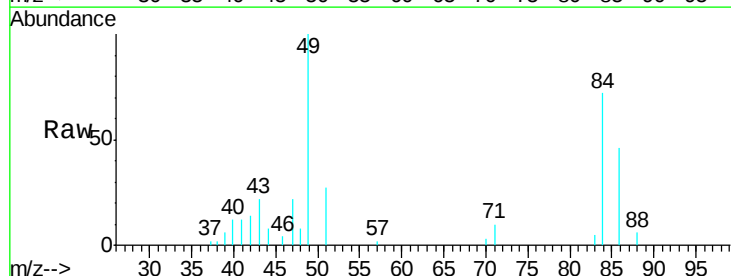
Instrument :
MSVOA_W
ClientSampleId :
20190855-AMENDED-COMP-B

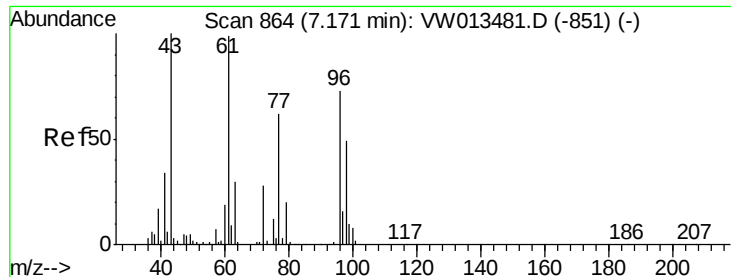
Tgt Ion: 43 Resp: 2258
Ion Ratio Lower Upper
43 100
74 18.6 19.6 29.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013510.D
Acq: 09 Oct 2019 17:53

Tgt Ion: 84 Resp: 6541
Ion Ratio Lower Upper
84 100
49 135.0 93.4 140.0
51 36.8 30.6 46.0
86 63.4 52.3 78.5





#25

2-Butanone

Concen: 10.319 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW013510.D

Acq: 09 Oct 2019 17:53

Instrument :

MSVOA_W

ClientSampleId :

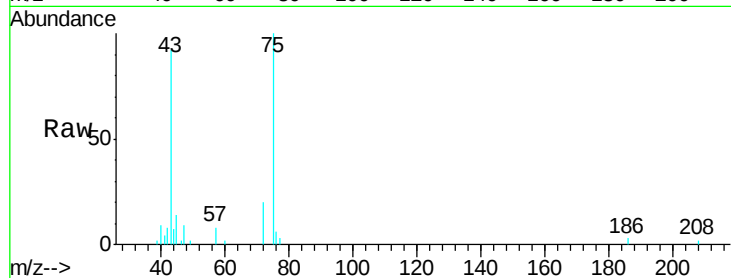
20190855-AMENDED-COMP-B

Tgt Ion: 43 Resp: 9292

Ion Ratio Lower Upper

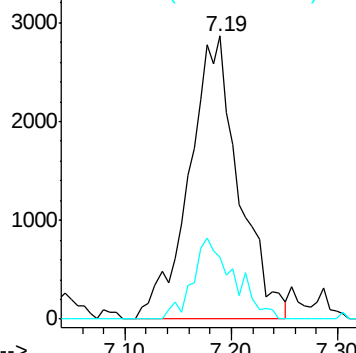
43 100

72 21.7 22.1 33.1#

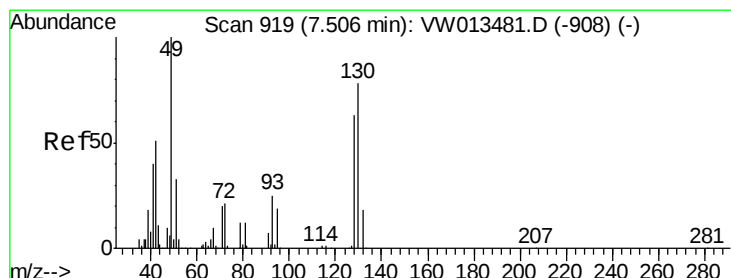
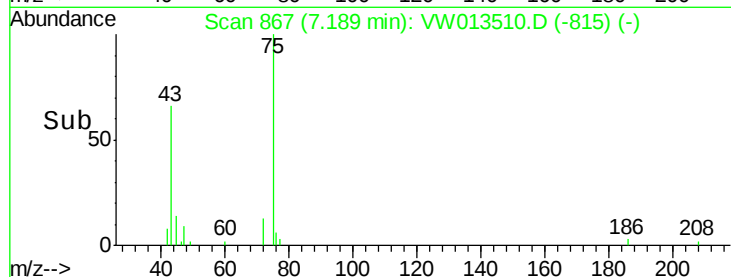


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#28

Bromochloromethane

Concen: 2.404 ug/l

RT: 7.68 min Scan# 948

Delta R.T. 0.18 min

Lab File: VW013510.D

Acq: 09 Oct 2019 17:53

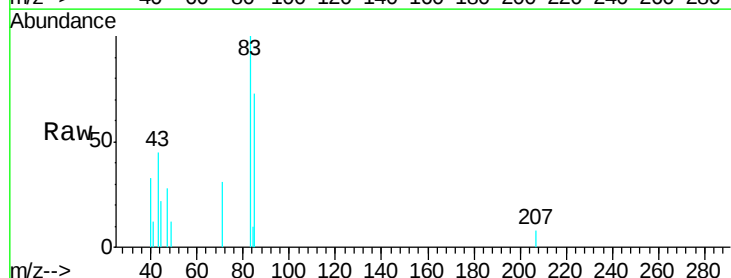
Tgt Ion: 49 Resp: 93

Ion Ratio Lower Upper

49 100

129 0.0 0.0 1.6

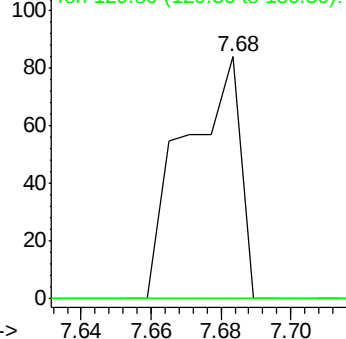
130 0.0 0.0 0.0



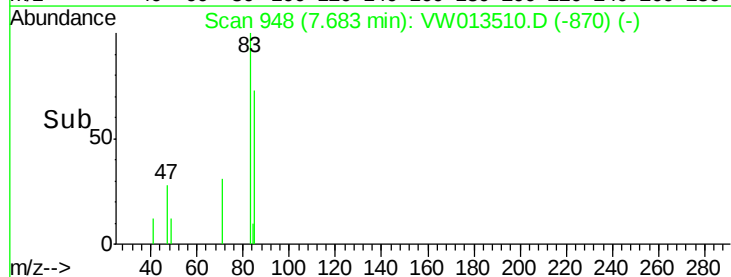
Abundance Ion 48.90 (48.60 to 49.60): VW

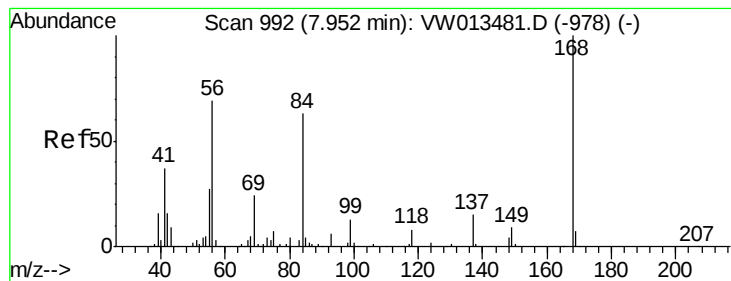
Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



Time-->





#31

Cyclohexane

Concen: 2.250 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013510.D

Acq: 09 Oct 2019 17:53

Instrument :

MSVOA_W

ClientSampleId :

20190855-AMENDED-COMP-B

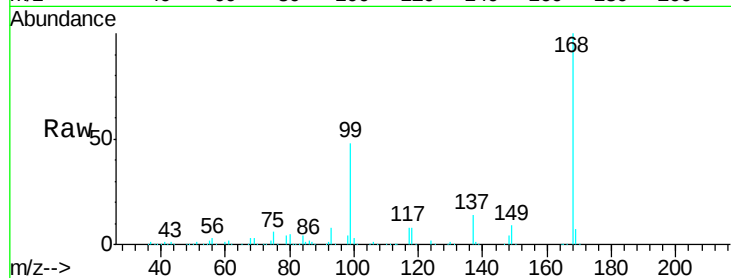
Tgt Ion: 56 Resp: 12359

Ion Ratio Lower Upper

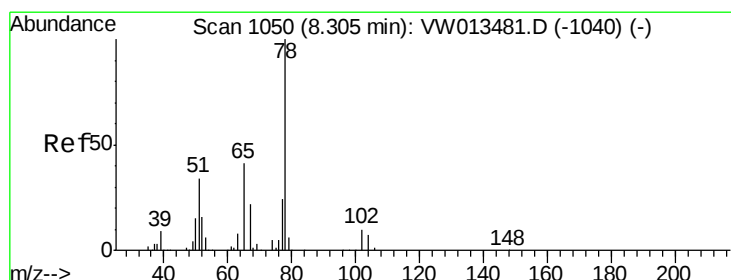
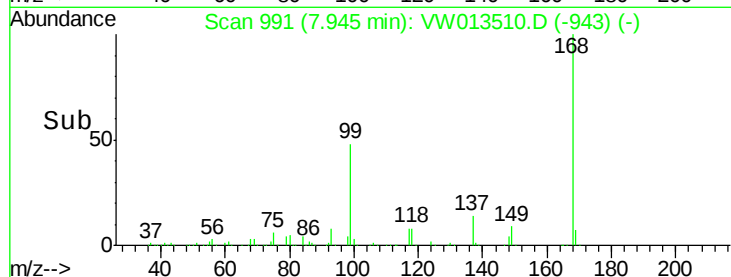
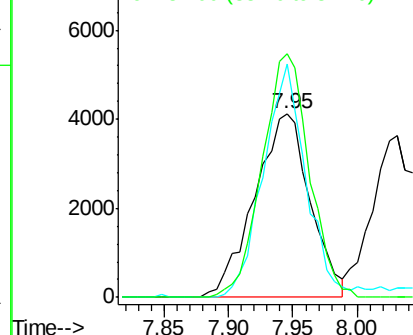
56 100

69 127.0 28.0 42.0#

84 132.6 71.8 107.6#



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: 53.309 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013510.D

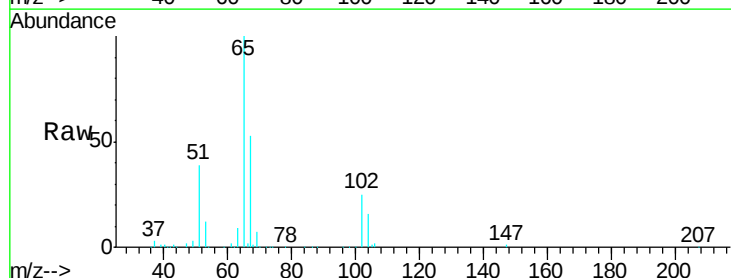
Acq: 09 Oct 2019 17:53

Tgt Ion: 65 Resp: 139969

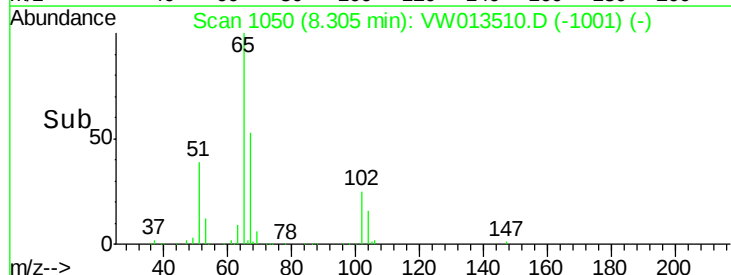
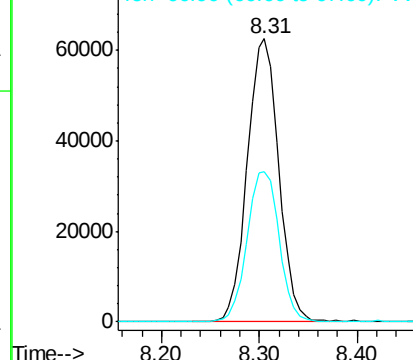
Ion Ratio Lower Upper

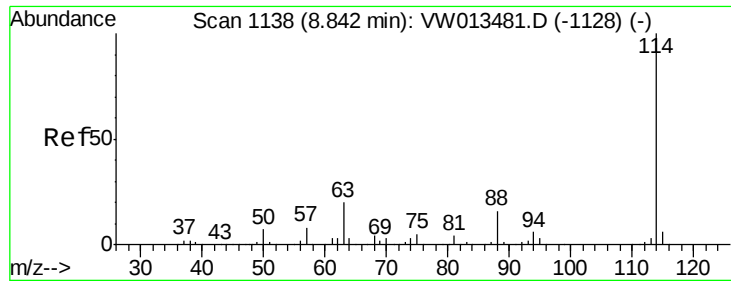
65 100

67 54.0 0.0 109.4



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

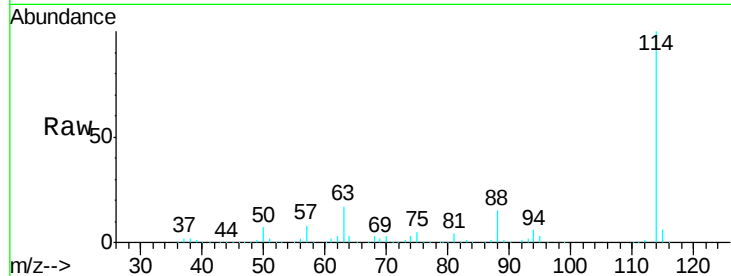




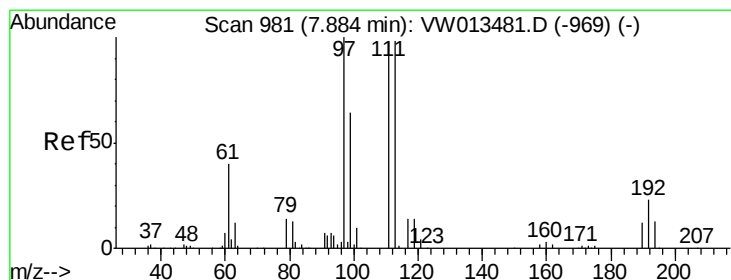
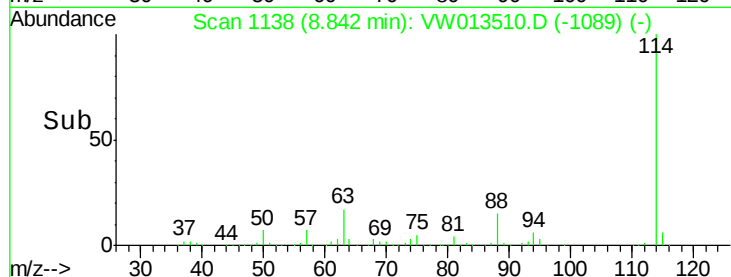
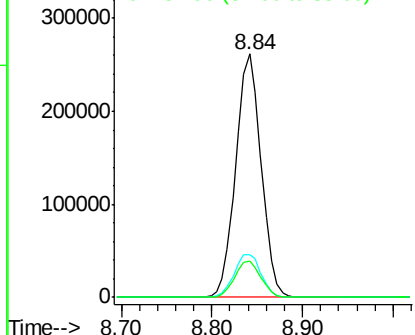
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013510.D
 Acq: 09 Oct 2019 17:53

Instrument :
 MSVOA_W
 ClientSampleId :
 20190855-AMENDED-COMP-B

Tgt Ion:114 Resp: 508118
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 40.4
 88 14.9 0.0 31.4

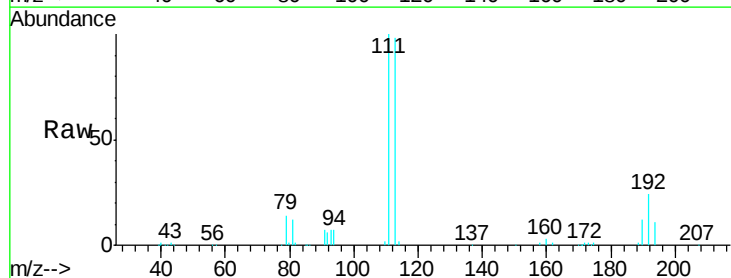


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

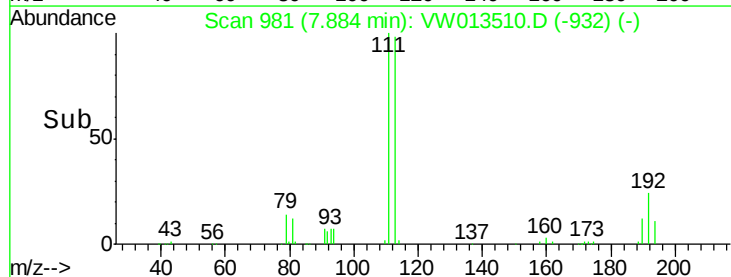
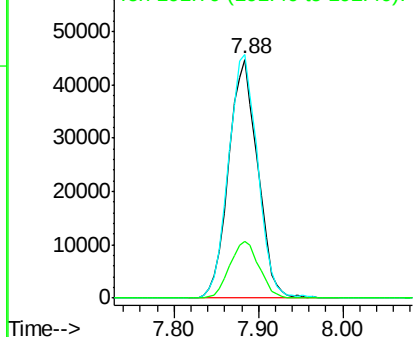


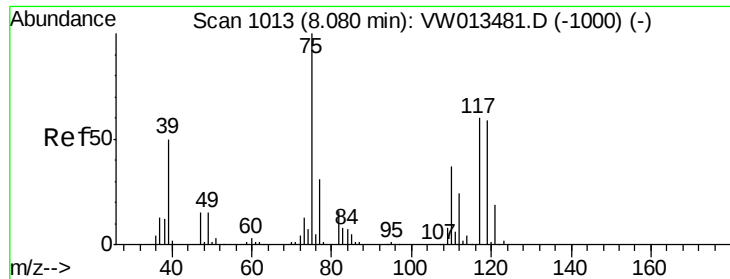
#35
 Dibromofluoromethane
 Concen: 36.893 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013510.D
 Acq: 09 Oct 2019 17:53

Tgt Ion:113 Resp: 104700
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.3 123.5
 192 23.9 19.3 28.9



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

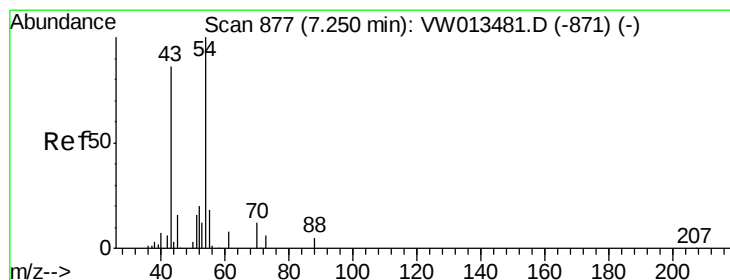
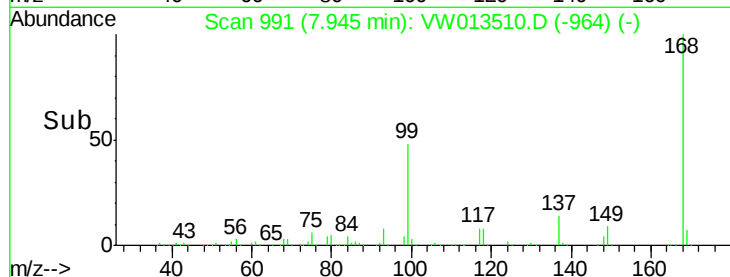
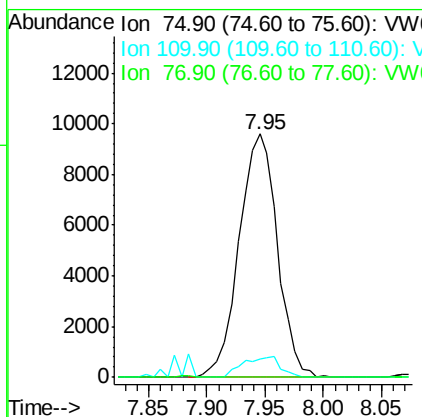
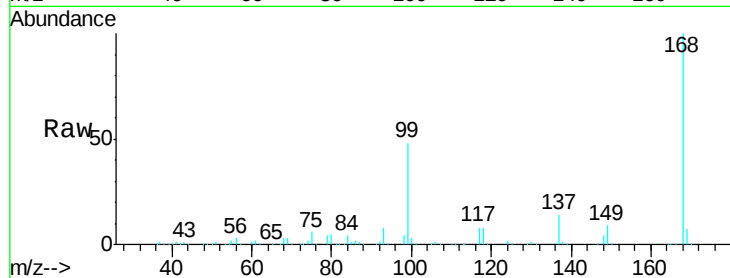




#36
 1,1-Dichloropropene
 Concen: 4.766 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013510.D
 Acq: 09 Oct 2019 17:53

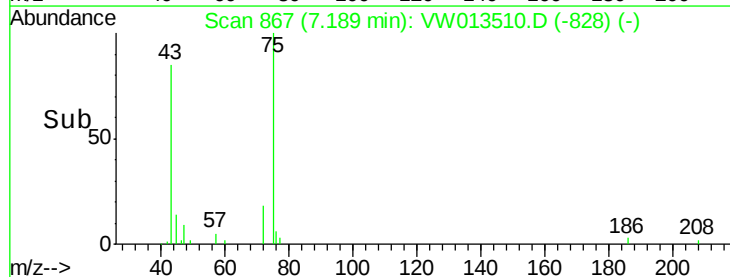
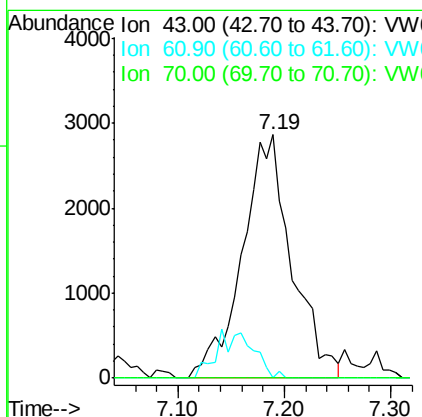
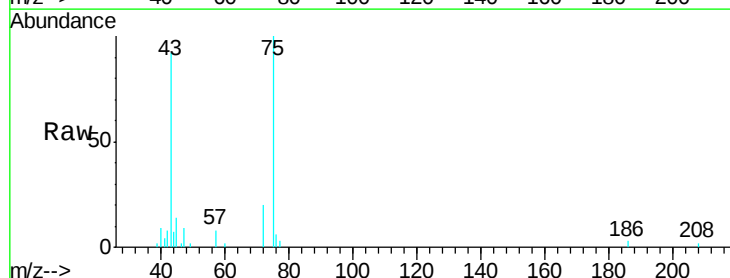
Instrument :
 MSVOA_W
 ClientSampleId :
 20190855-AMENDED-COMP-B

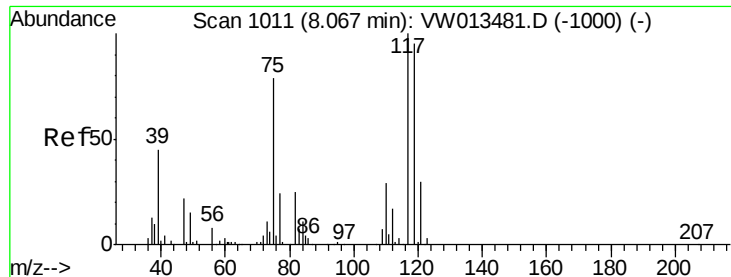
Tgt Ion: 75 Resp: 21909
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.4 55.2#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 4.455 ug/l
 RT: 7.19 min Scan# 867
 Delta R.T. -0.06 min
 Lab File: VW013510.D
 Acq: 09 Oct 2019 17:53

Tgt Ion: 43 Resp: 9292
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.9 16.3#
 70 0.0 9.2 13.8#

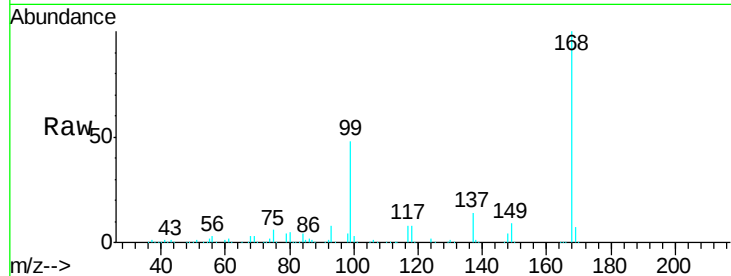




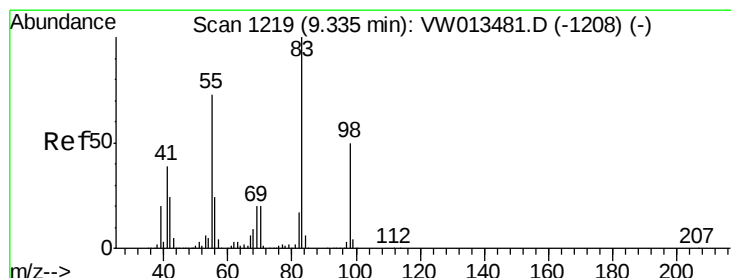
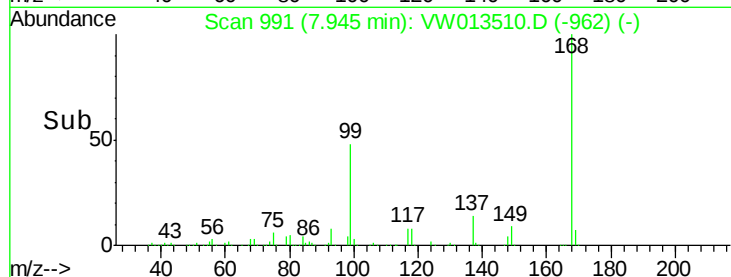
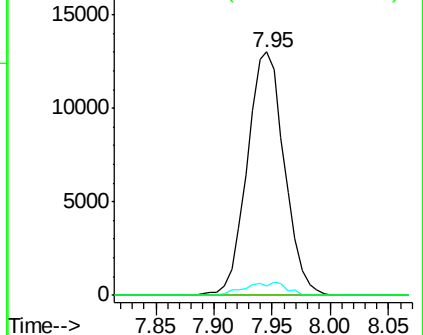
#38
Carbon Tetrachloride
Concen: 7.106 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013510.D
Acq: 09 Oct 2019 17:53

Instrument :
MSVOA_W
ClientSampleId :
20190855-AMENDED-COMP-B

Tgt Ion: 117 Resp: 28957
Ion Ratio Lower Upper
117 100
119 4.0 76.3 114.5#
121 0.0 23.6 35.4#

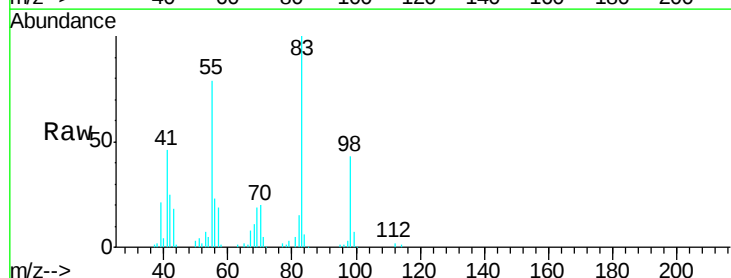


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

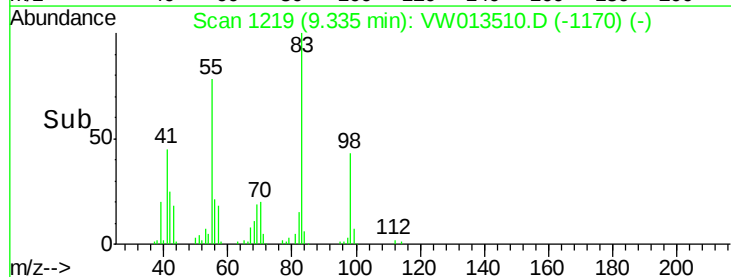
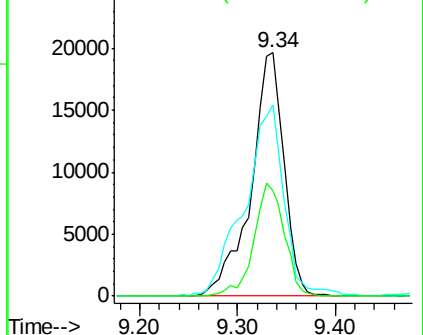


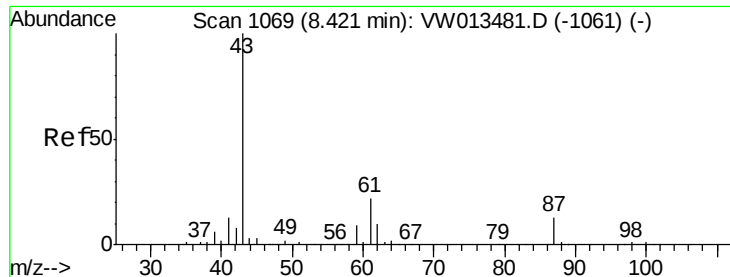
#39
Methylcyclohexane
Concen: 7.725 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013510.D
Acq: 09 Oct 2019 17:53

Tgt Ion: 83 Resp: 46004
Ion Ratio Lower Upper
83 100
55 78.2 58.2 87.4
98 43.3 39.8 59.6



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW





#43

Isopropyl Acetate

Concen: 1.156 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013510.D

Acq: 09 Oct 2019 17:53

Instrument :

MSVOA_W

ClientSampleId :

20190855-AMENDED-COMP-B

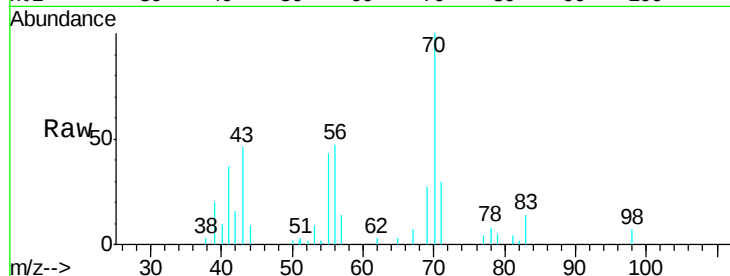
Tgt Ion: 43 Resp: 4356

Ion Ratio Lower Upper

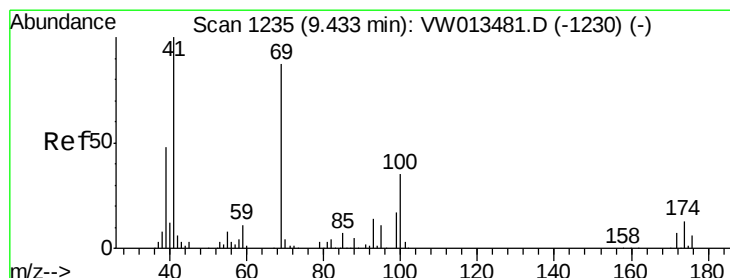
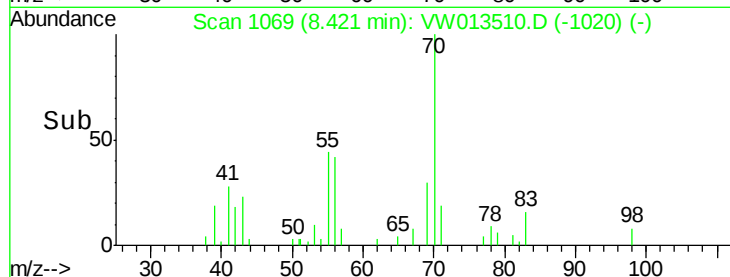
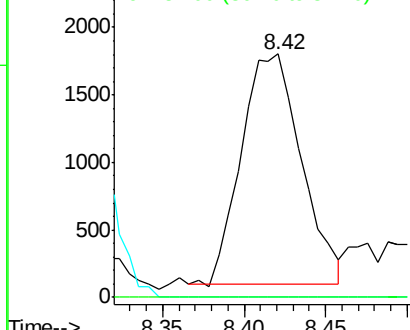
43 100

61 0.0 25.4 38.2#

87 0.0 10.8 16.2#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#48

Methyl methacrylate

Concen: 2.343 ug/l

RT: 9.52 min Scan# 1249

Delta R.T. 0.09 min

Lab File: VW013510.D

Acq: 09 Oct 2019 17:53

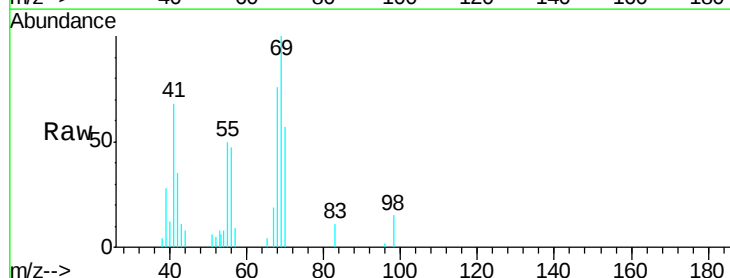
Tgt Ion: 41 Resp: 4348

Ion Ratio Lower Upper

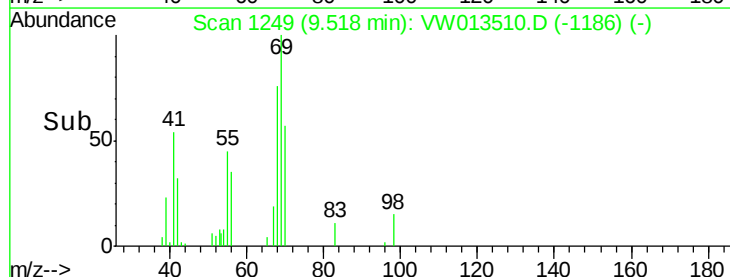
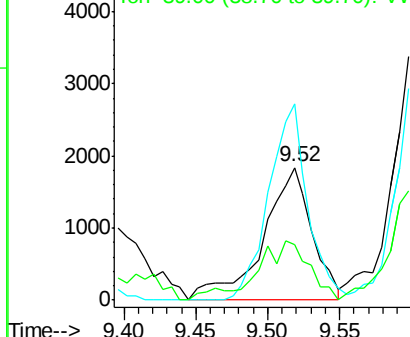
41 100

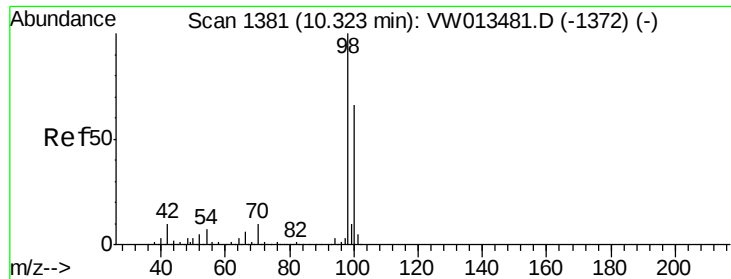
69 117.9 70.4 105.6#

39 42.7 37.3 55.9



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

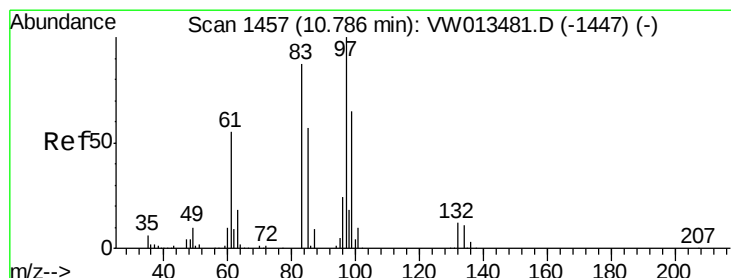
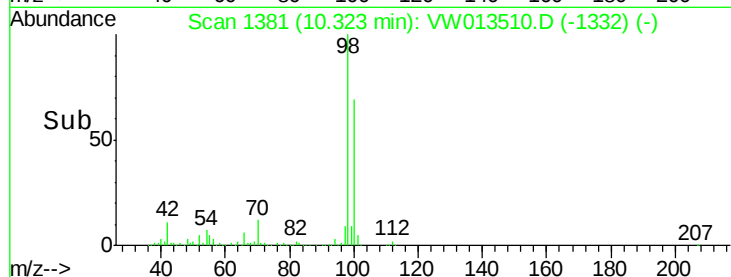
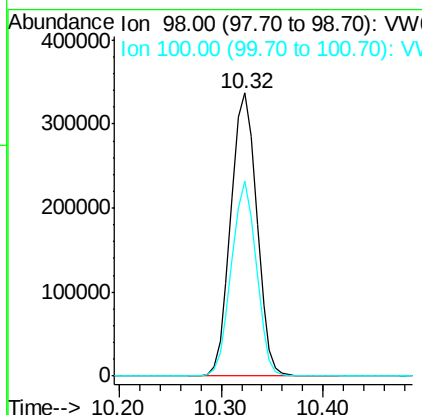
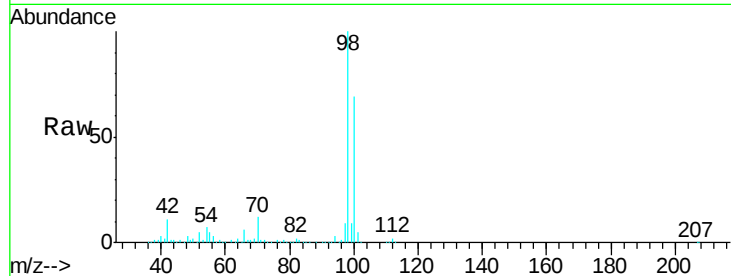




#50
Toluene-d8
Concen: 49.766 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013510.D
Acq: 09 Oct 2019 17:53

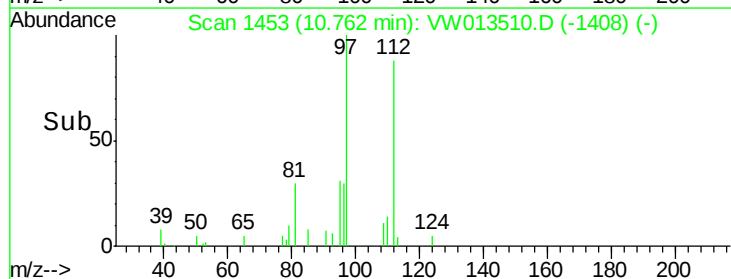
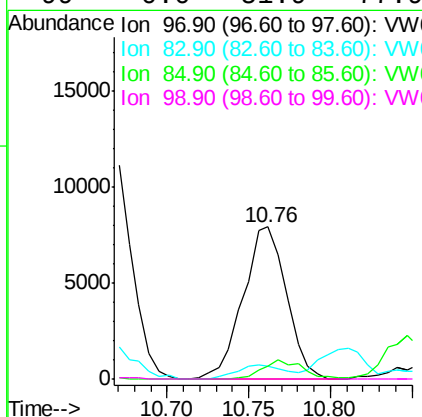
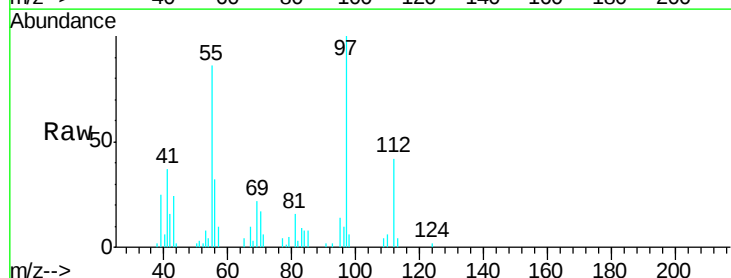
Instrument :
MSVOA_W
ClientSampleId :
20190855-AMENDED-COMP-B

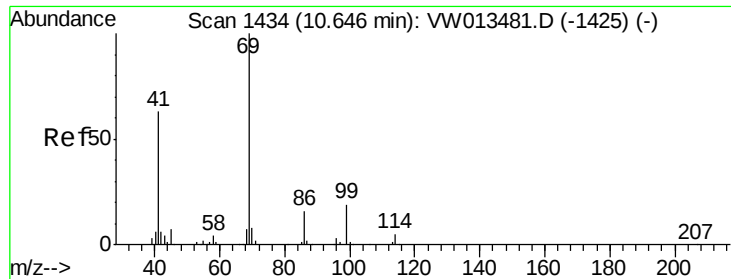
Tgt Ion: 98 Resp: 593528
Ion Ratio Lower Upper
98 100
100 66.0 53.2 79.8



#55
1,1,2-Trichloroethane
Concen: 6.401 ug/l
RT: 10.76 min Scan# 1453
Delta R.T. -0.02 min
Lab File: VW013510.D
Acq: 09 Oct 2019 17:53

Tgt Ion: 97 Resp: 14742
Ion Ratio Lower Upper
97 100
83 8.6 69.8 104.8#
85 8.3 45.4 68.0#
99 0.0 51.9 77.9#





#56

Ethyl methacrylate

Concen: 2.087 ug/l

RT: 10.66 min Scan# 1437

Delta R.T. 0.02 min

Lab File: VW013510.D

Acq: 09 Oct 2019 17:53

Instrument :

MSVOA_W

ClientSampleId :

20190855-AMENDED-COMP-B

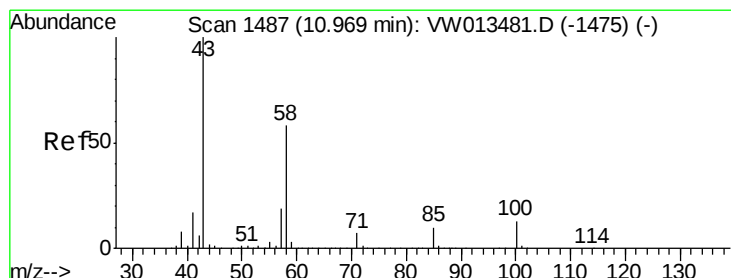
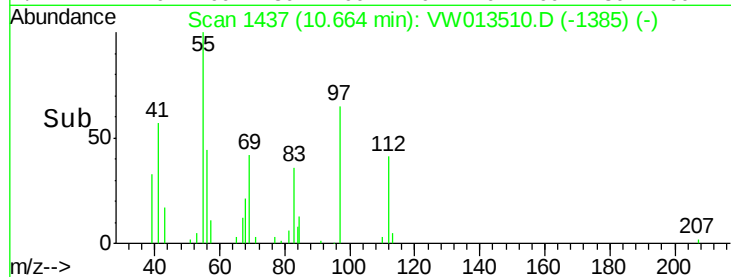
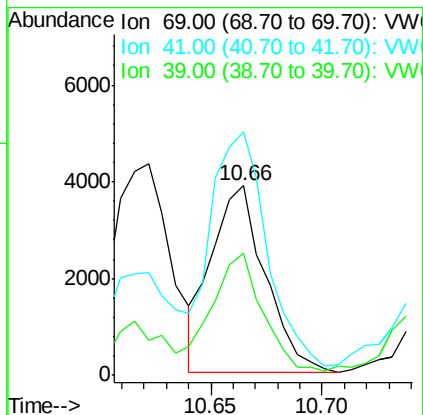
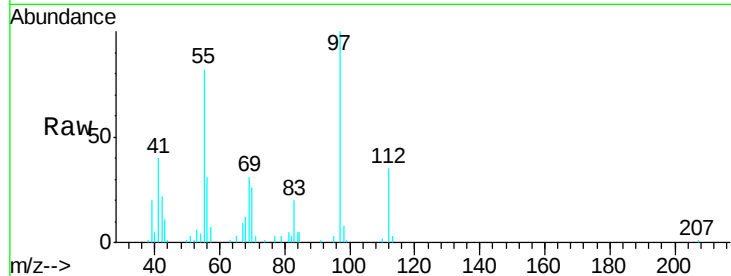
Tgt Ion: 69 Resp: 6472

Ion Ratio Lower Upper

69 100

41 128.6 51.8 77.6#

39 60.3 21.7 32.5#



#59

2-Hexanone

Concen: 23.719 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.04 min

Lab File: VW013510.D

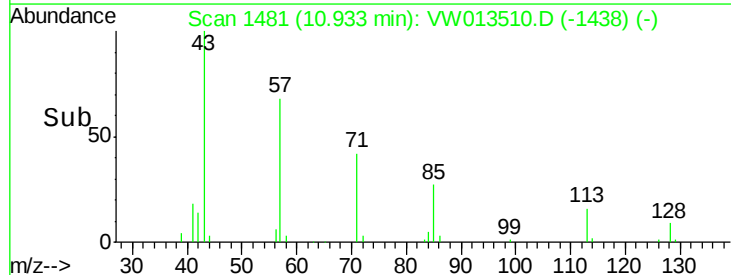
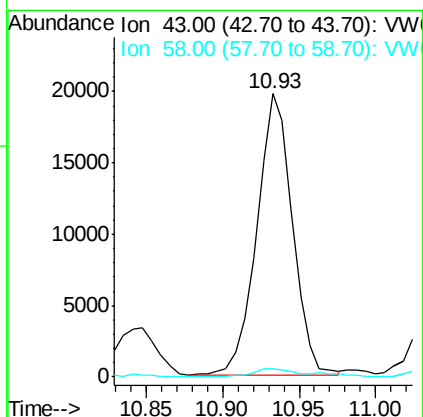
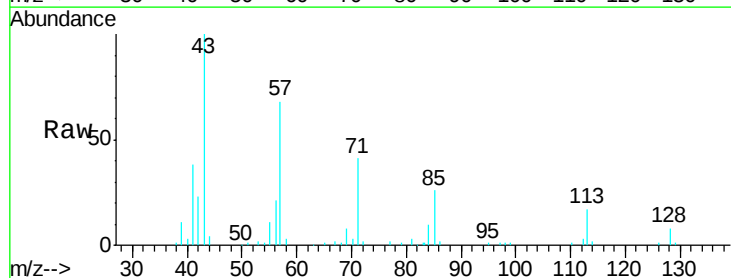
Acq: 09 Oct 2019 17:53

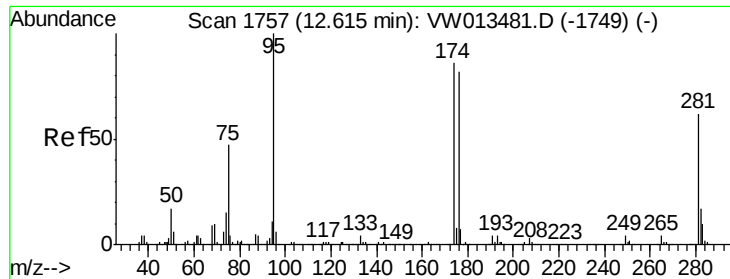
Tgt Ion: 43 Resp: 32218

Ion Ratio Lower Upper

43 100

58 3.1 28.4 85.2#

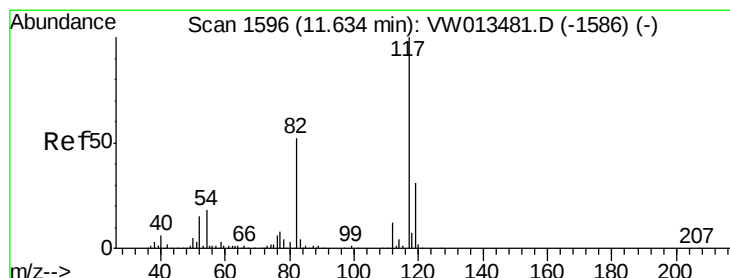
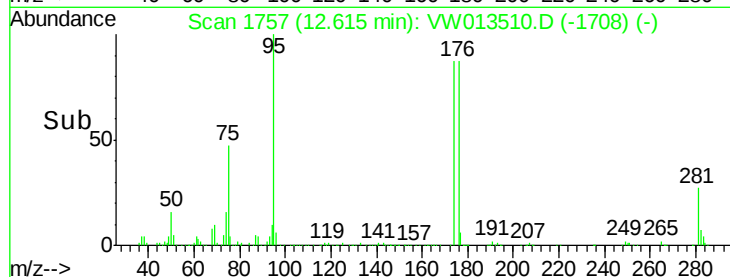
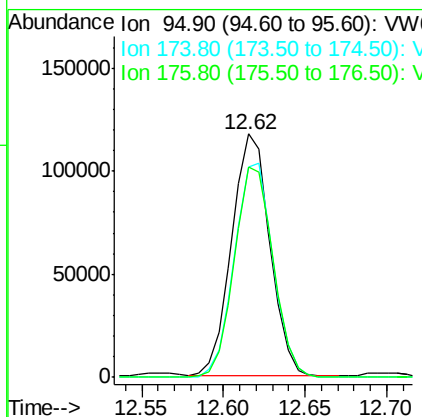
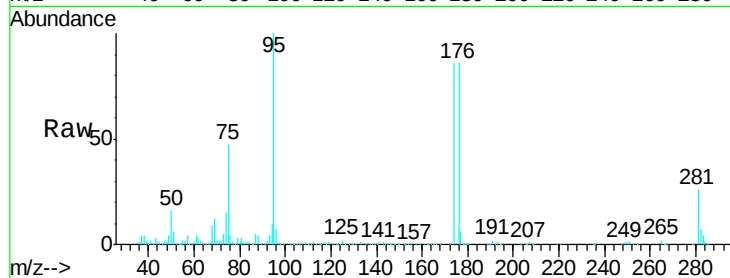




#62
4-Bromofluorobenzene
Concen: 47.765 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013510.D
Acq: 09 Oct 2019 17:53

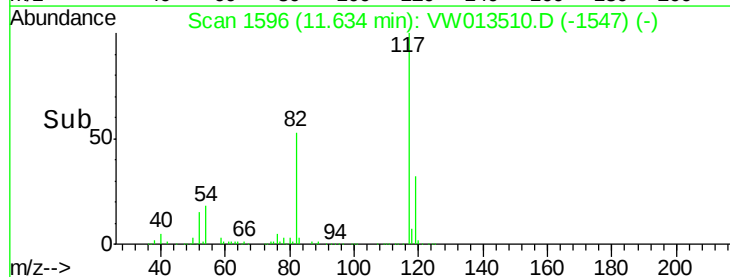
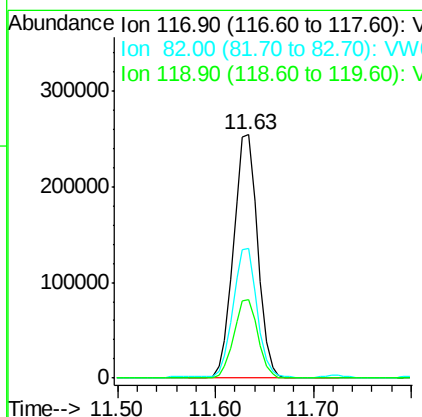
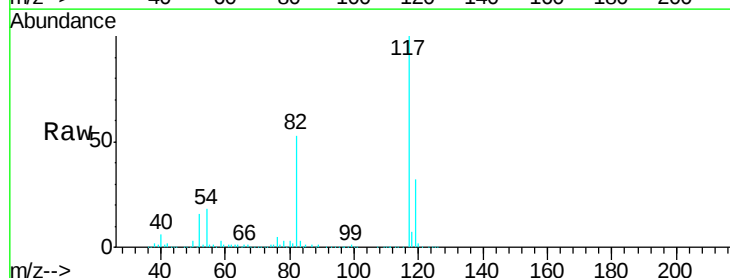
Instrument :
MSVOA_W
ClientSampleId :
20190855-AMENDED-COMP-B

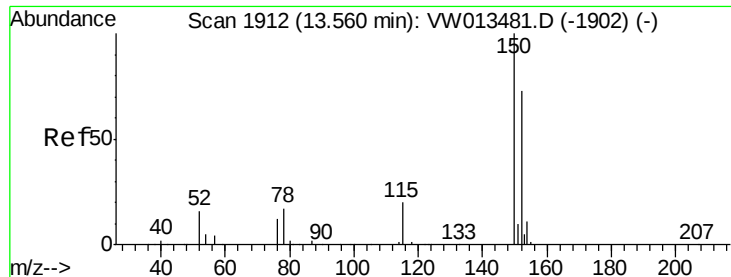
Tgt Ion: 95 Resp: 191369
Ion Ratio Lower Upper
95 100
174 89.8 0.0 177.4
176 88.4 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW013510.D
Acq: 09 Oct 2019 17:53

Tgt Ion: 117 Resp: 435273
Ion Ratio Lower Upper
117 100
82 52.3 41.4 62.2
119 32.1 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013510.D

Acq: 09 Oct 2019 17:53

Instrument :

MSVOA_W

ClientSampleId :

20190855-AMENDED-COMP-B

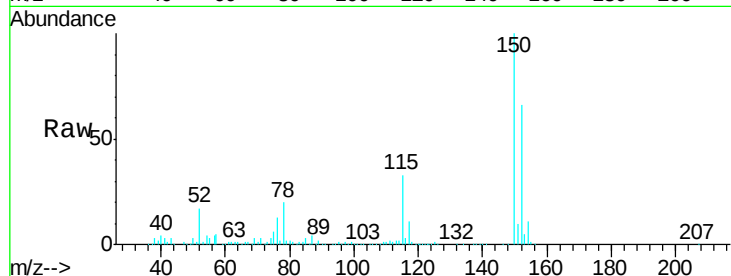
Tgt Ion:152 Resp: 197265

Ion Ratio Lower Upper

152 100

115 53.5 27.0 81.0

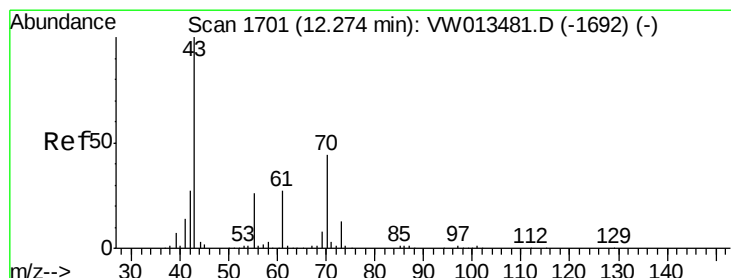
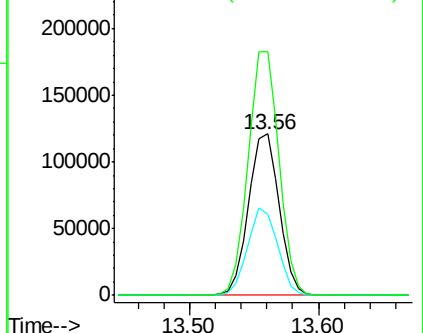
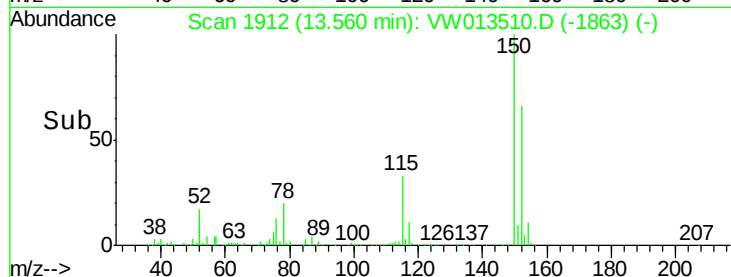
150 152.8 0.0 337.4



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-ethyl acetate

Concen: 9.444 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW013510.D

Acq: 09 Oct 2019 17:53

Tgt Ion: 43 Resp: 29186

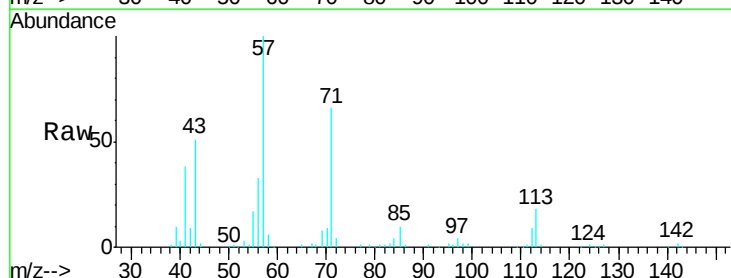
Ion Ratio Lower Upper

43 100

70 20.9 35.3 52.9#

55 0.0 20.0 30.0#

61 0.0 21.2 31.8#

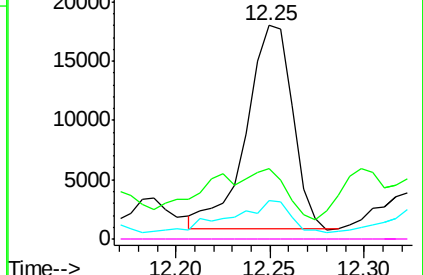
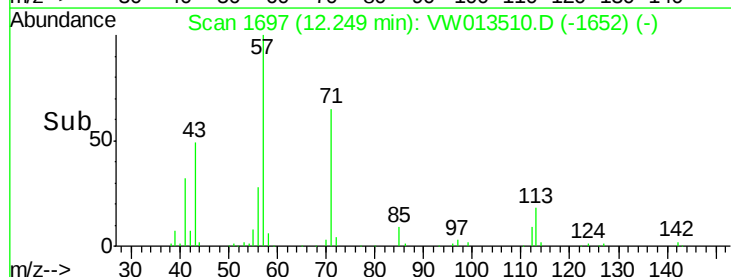


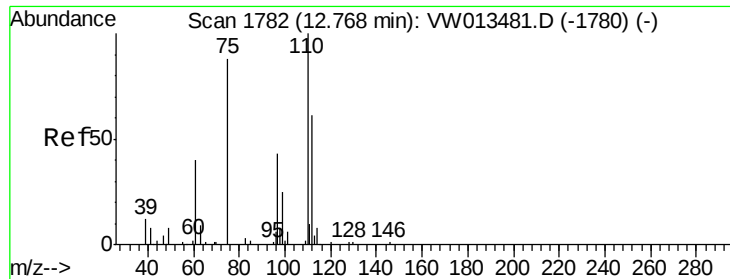
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 53.839 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013510.D

Acq: 09 Oct 2019 17:53

Instrument :

MSVOA_W

ClientSampleId :

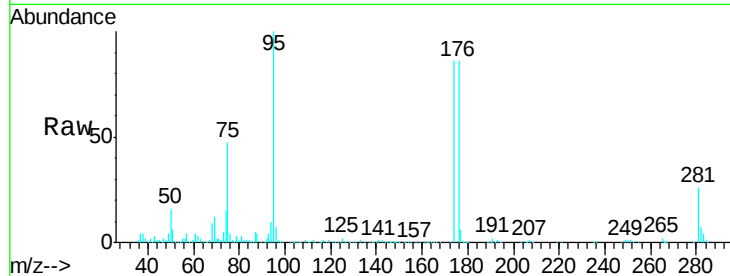
20190855-AMENDED-COMP-B

Tgt Ion: 75 Resp: 88454

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.62

60000

50000

40000

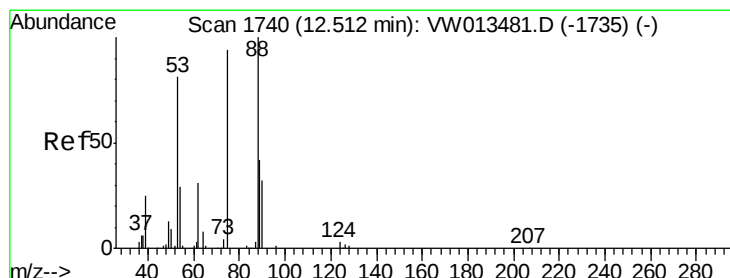
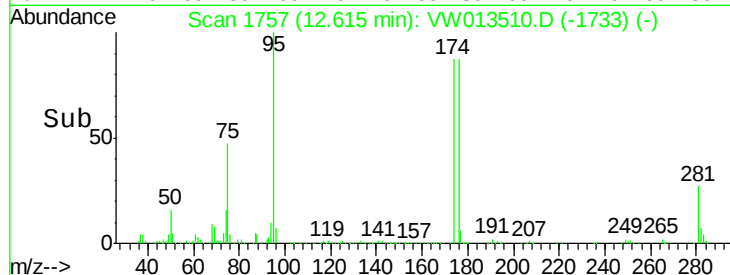
30000

20000

10000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 110.056 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013510.D

Acq: 09 Oct 2019 17:53

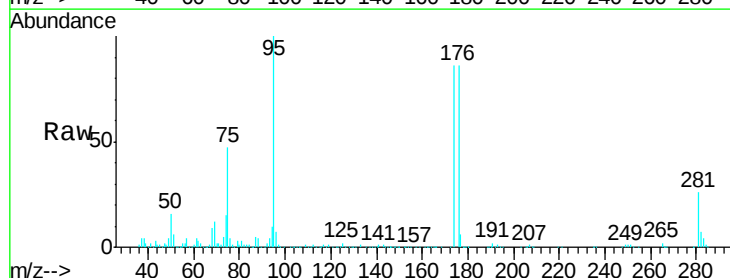
Tgt Ion: 75 Resp: 88454

Ion Ratio Lower Upper

75 100

53 0.6 71.0 106.6#

89 0.5 36.1 54.1#



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

12.62

60000

40000

20000

0

Time-->

