

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100919\
 Data File : VW013512.D
 Acq On : 09 Oct 2019 18:44
 Operator : SY/VA
 Sample : K5292-05
 Misc : 5.01G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 20190858-AMENDED-COMP-E

Quant Time: Oct 10 02:42:07 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	329158	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	489058	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	421997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	191815	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	138855	54.60	ug/l	0.00
Spiked Amount			Recovery	=	109.20%	
35) Dibromofluoromethane	7.88	113	96246	35.24	ug/l	0.00
Spiked Amount			Recovery	=	70.48%	
50) Toluene-d8	10.32	98	564880	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.62	95	183300	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	

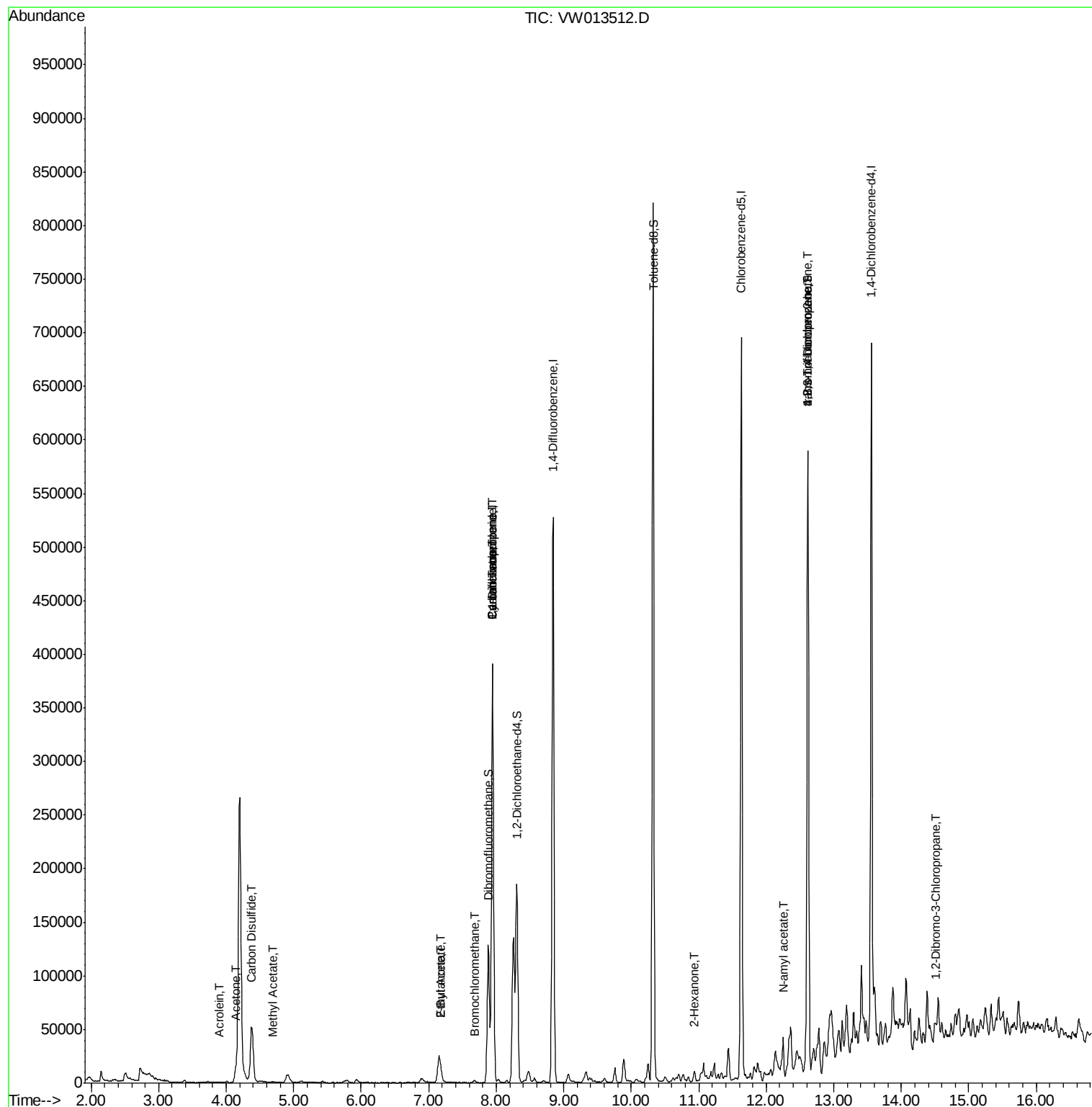
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	166	Below Cal	#	72
13) Acrolein	3.90	56	1129	8.615	ug/l #	77
16) Acetone	4.14	43	25991	43.919	ug/l	99
17) Carbon Disulfide	4.37	76	120720	15.054	ug/l	97
18) Methyl Acetate	4.69	43	1979	1.167	ug/l	100
20) Methylene Chloride	4.91	84	6537	Below Cal		97
25) 2-Butanone	7.18	43	7763	8.901	ug/l	98
28) Bromochloromethane	7.67	49	93	2.406	ug/l #	98
31) Cyclohexane	7.95	56	5619	1.056	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20425	4.617	ug/l #	49
37) Ethyl Acetate	7.18	43	7763	3.867	ug/l #	68
38) Carbon Tetrachloride	7.95	117	27196	6.934	ug/l #	17
59) 2-Hexanone	10.93	43	4014	3.070	ug/l #	34
74) N-amyl acetate	12.25	43	8462	2.816	ug/l #	56
76) 1,2,3-Trichloropropane	12.62	75	87535	54.793	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	87535	112.007	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.52	75	396	1.061	ug/l #	1

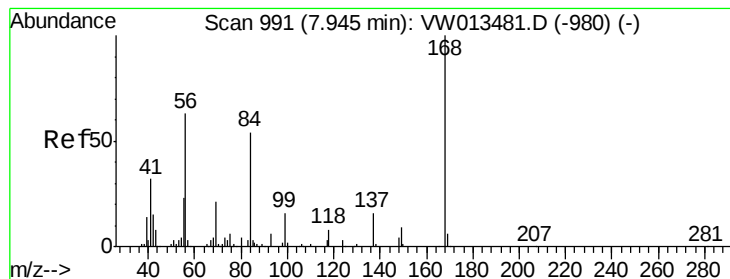
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013512.D

Acq: 09 Oct 2019 18:44

Instrument :

MSVOA_W

ClientSampleId :

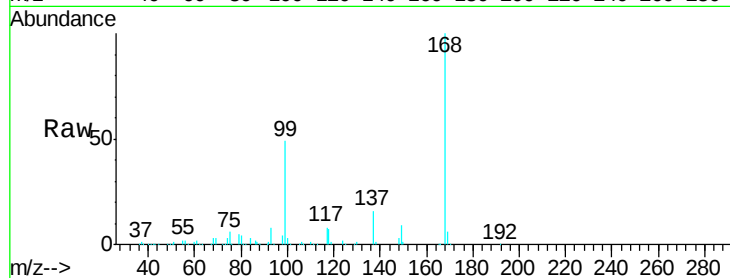
20190858-AMENDED-COMP-E

Tgt Ion: 168 Resp: 329158

Ion Ratio Lower Upper

168 100

99 48.6 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

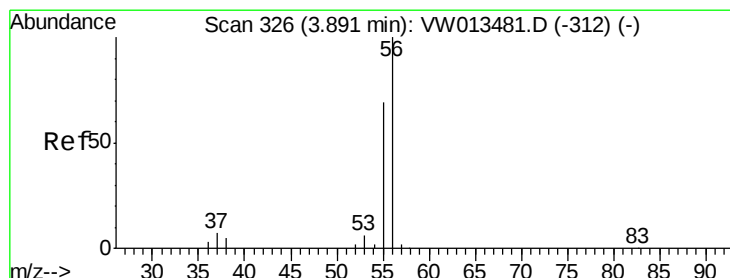
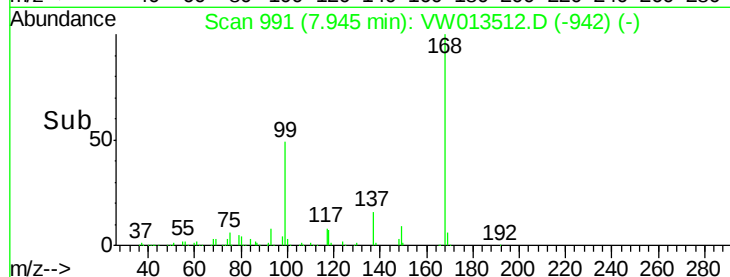
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#13

Acrolein

Concen: 8.615 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013512.D

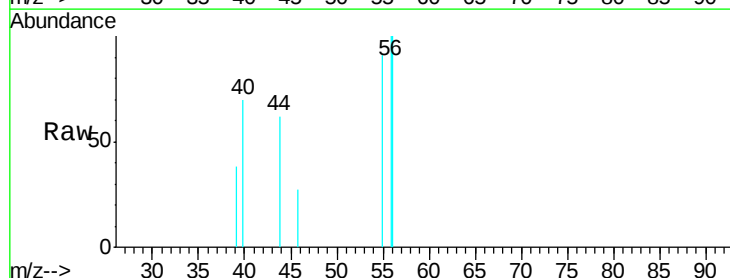
Acq: 09 Oct 2019 18:44

Tgt Ion: 56 Resp: 1129

Ion Ratio Lower Upper

56 100

55 51.0 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

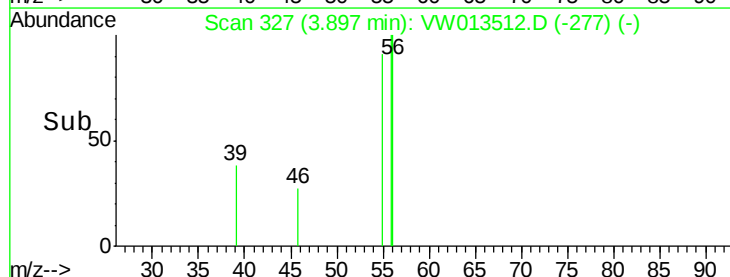
200

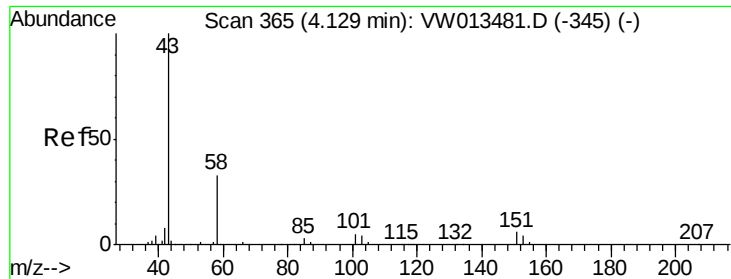
100

0

3.85 3.90 3.95 4.00

Time-->





#16

Acetone

Concen: 43.919 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW013512.D

Acq: 09 Oct 2019 18:44

Instrument :

MSVOA_W

ClientSampleId :

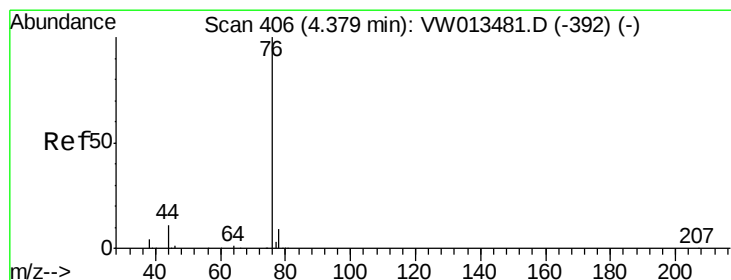
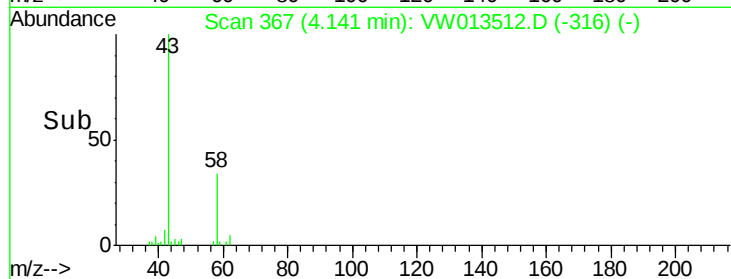
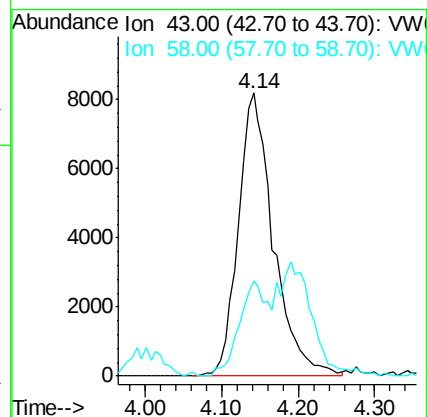
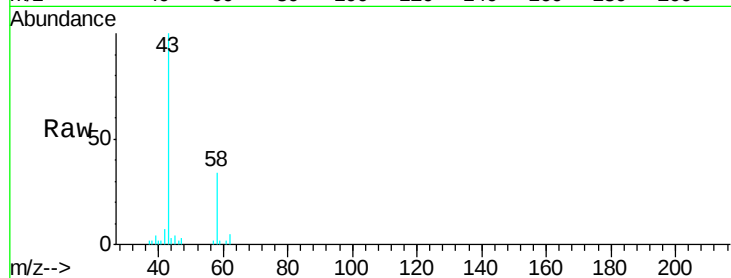
20190858-AMENDED-COMP-E

Tgt Ion: 43 Resp: 25991

Ion Ratio Lower Upper

43 100

58 32.2 26.1 39.1



#17

Carbon Disulfide

Concen: 15.054 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW013512.D

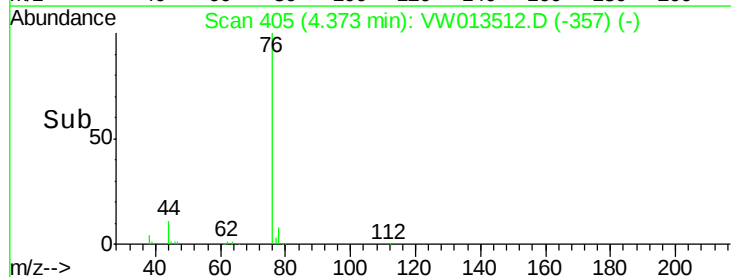
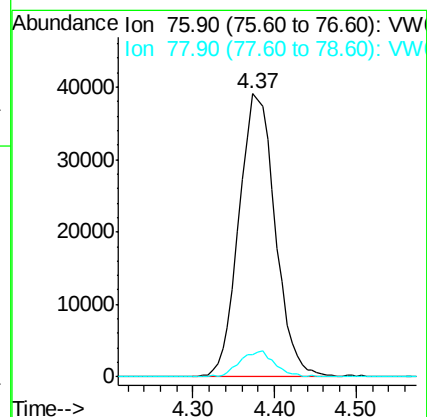
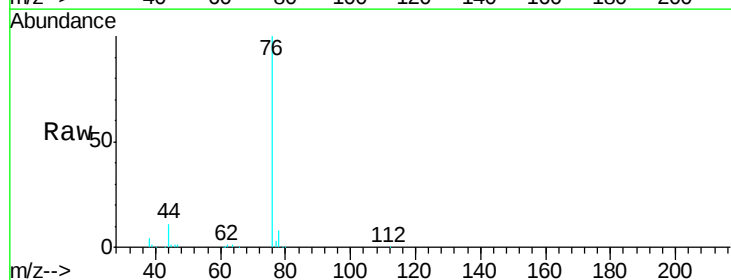
Acq: 09 Oct 2019 18:44

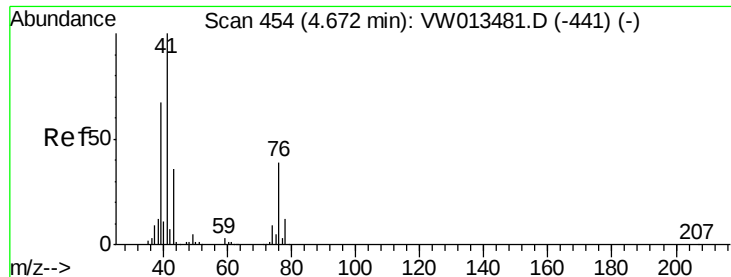
Tgt Ion: 76 Resp: 120720

Ion Ratio Lower Upper

76 100

78 7.9 7.1 10.7

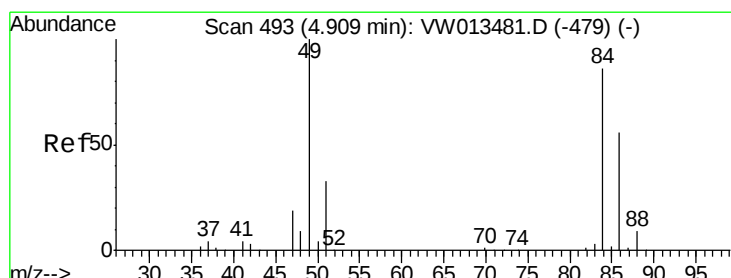
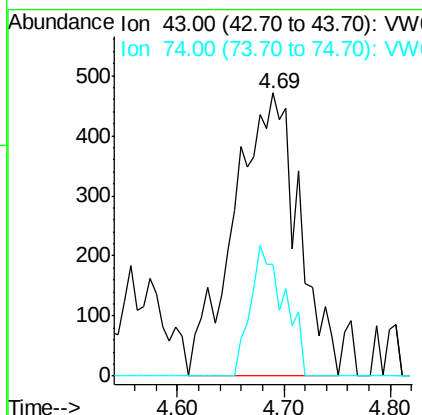
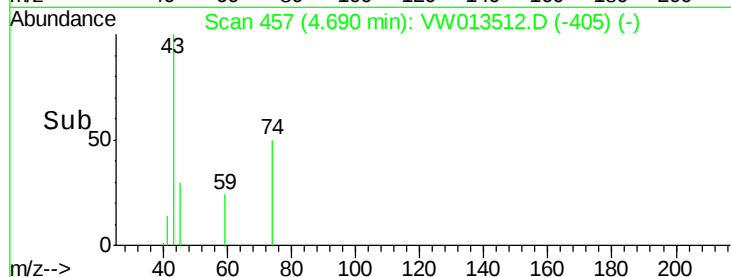
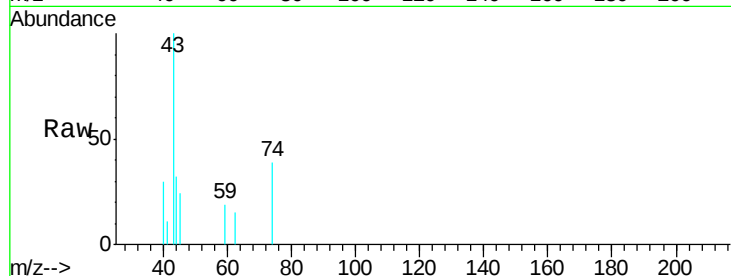




#18
Methyl Acetate
Concen: 1.167 ug/l
RT: 4.69 min Scan# 457
Delta R.T. 0.02 min
Lab File: VW013512.D
Acq: 09 Oct 2019 18:44

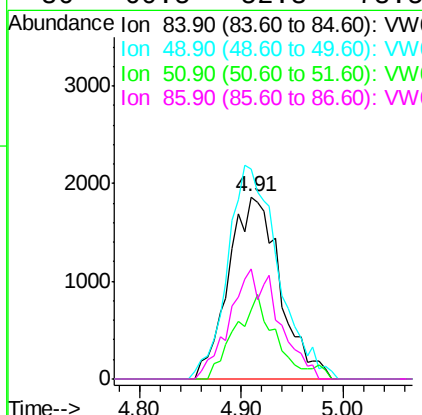
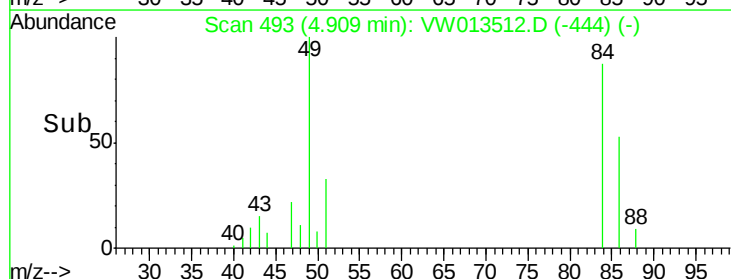
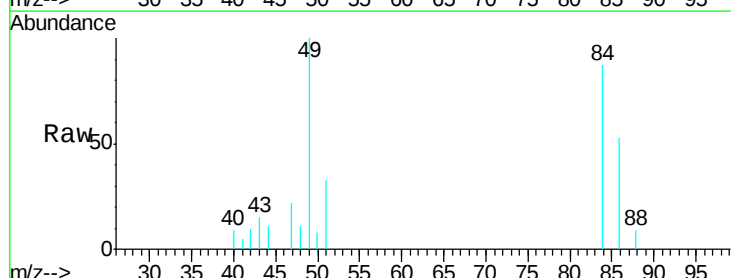
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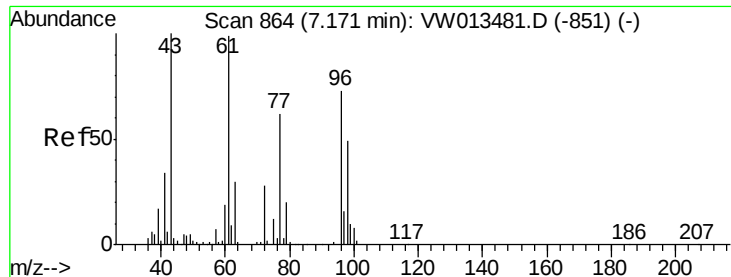
Tgt Ion: 43 Resp: 1979
Ion Ratio Lower Upper
43 100
74 24.7 19.6 29.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013512.D
Acq: 09 Oct 2019 18:44

Tgt Ion: 84 Resp: 6537
Ion Ratio Lower Upper
84 100
49 114.9 93.4 140.0
51 38.2 30.6 46.0
86 60.5 52.3 78.5





#25

2-Butanone

Concen: 8.901 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW013512.D

Acq: 09 Oct 2019 18:44

Instrument :

MSVOA_W

ClientSampleId :

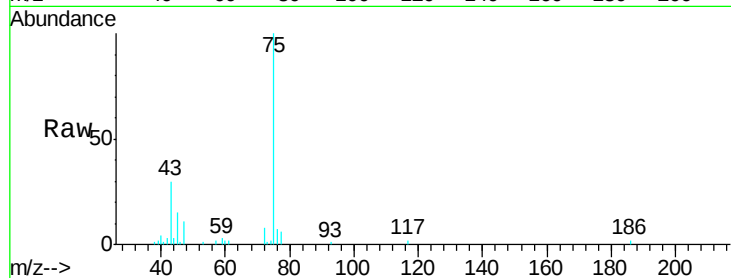
20190858-AMENDED-COMP-E

Tgt Ion: 43 Resp: 7763

Ion Ratio Lower Upper

43 100

72 26.7 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.18

2500

2000

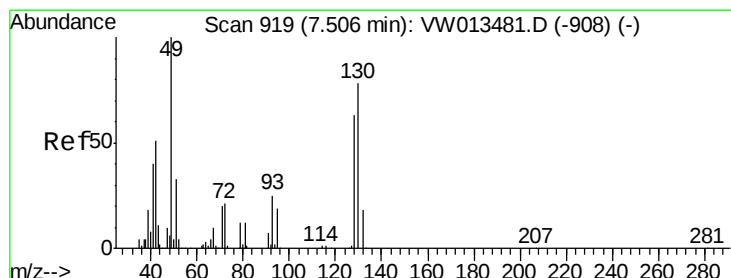
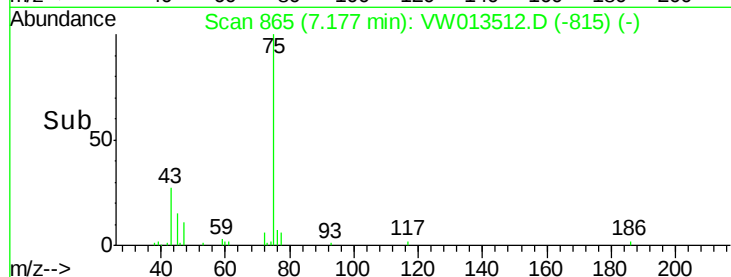
1500

1000

500

0

Time--> 7.00 7.10 7.20 7.30



#28

Bromochloromethane

Concen: 2.406 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.17 min

Lab File: VW013512.D

Acq: 09 Oct 2019 18:44

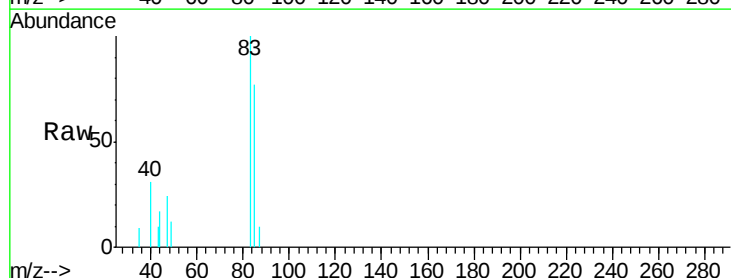
Tgt Ion: 49 Resp: 93

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

120

100

80

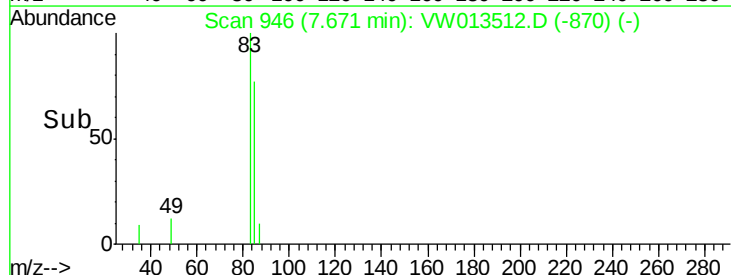
60

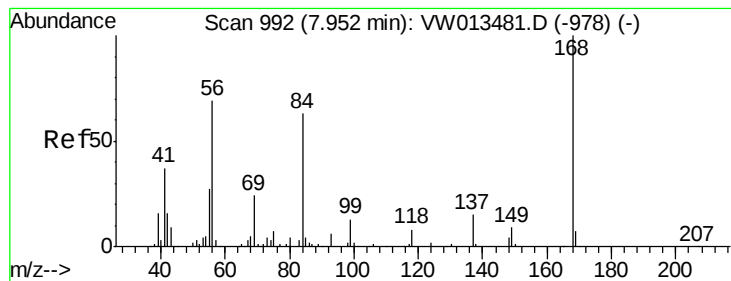
40

20

0

Time--> 7.66 7.68 7.70





#31

Cyclohexane

Concen: 1.056 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013512.D

Acq: 09 Oct 2019 18:44

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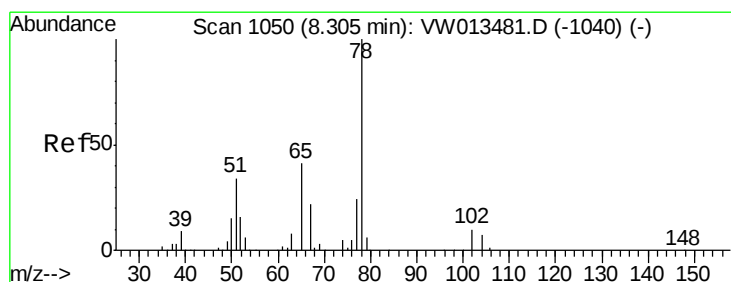
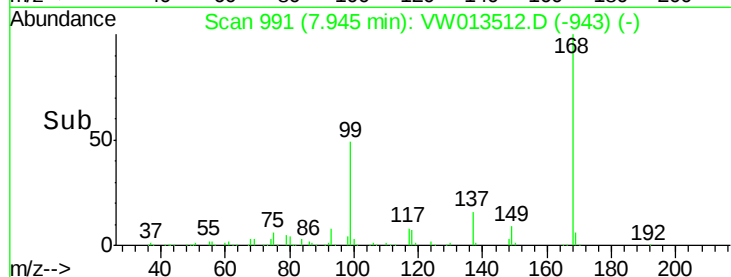
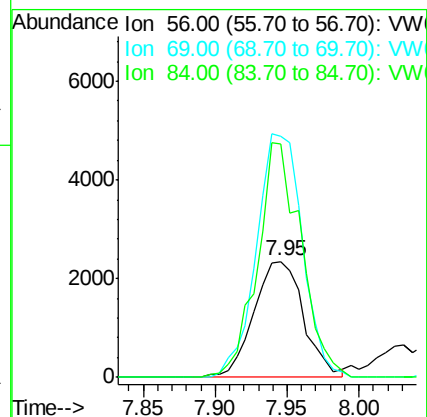
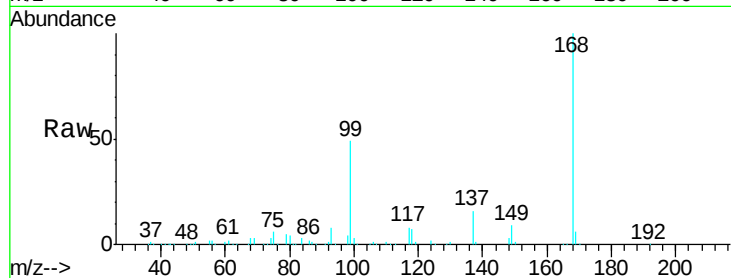
Tgt Ion: 56 Resp: 5619

Ion Ratio Lower Upper

56 100

69 207.3 28.0 42.0#

84 200.8 71.8 107.6#



#33

1,2-Dichloroethane-d4

Concen: 54.601 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013512.D

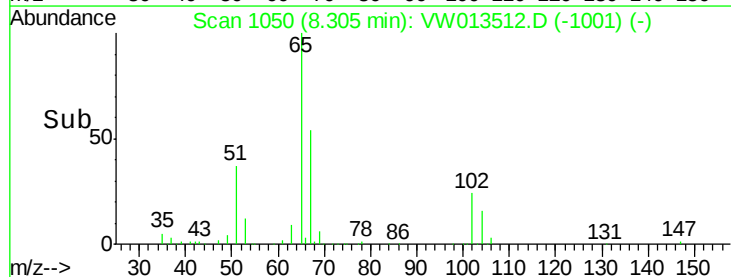
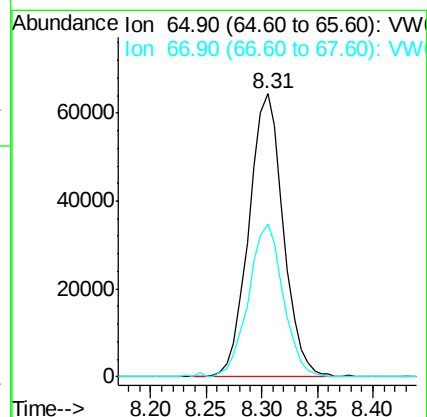
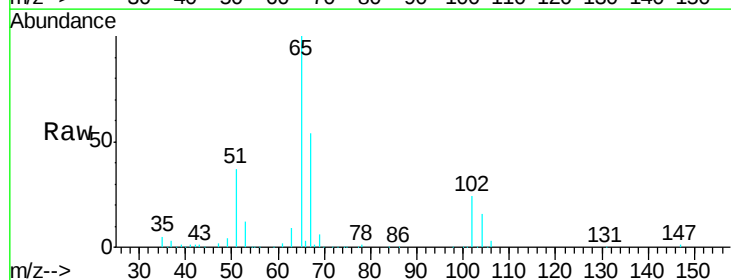
Acq: 09 Oct 2019 18:44

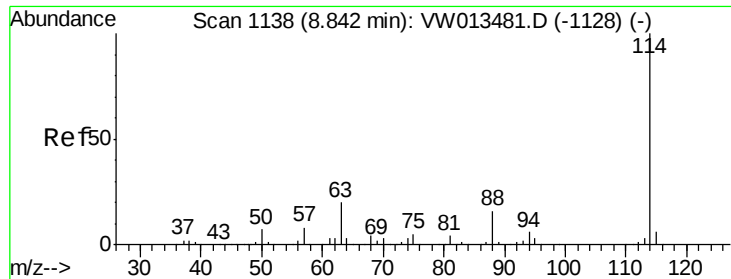
Tgt Ion: 65 Resp: 138855

Ion Ratio Lower Upper

65 100

67 54.3 0.0 109.4

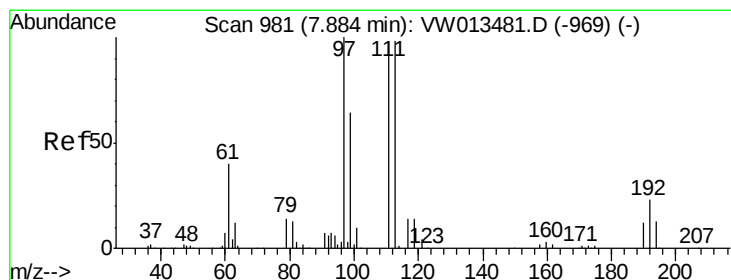
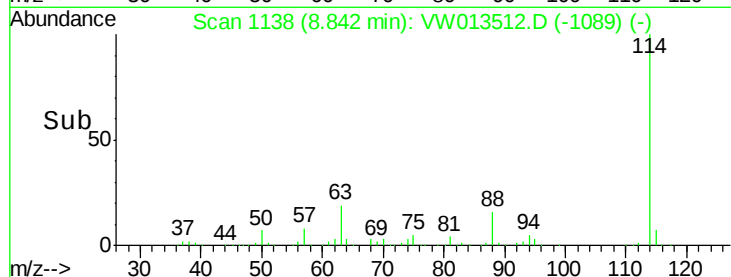
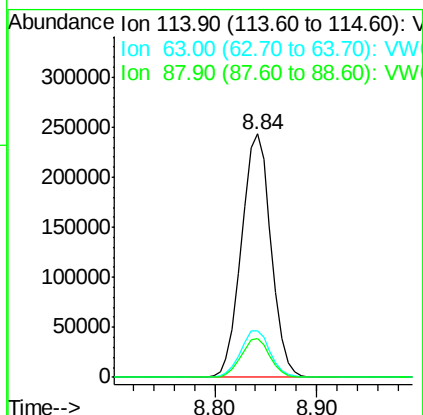
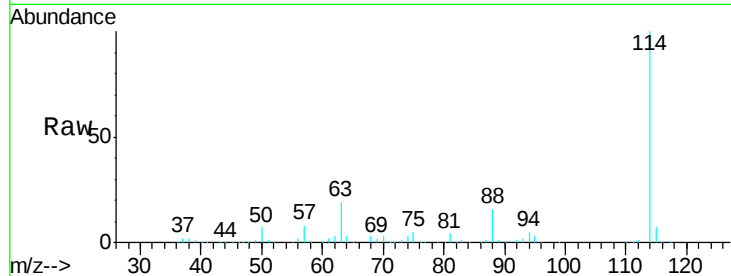




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013512.D
 Acq: 09 Oct 2019 18:44

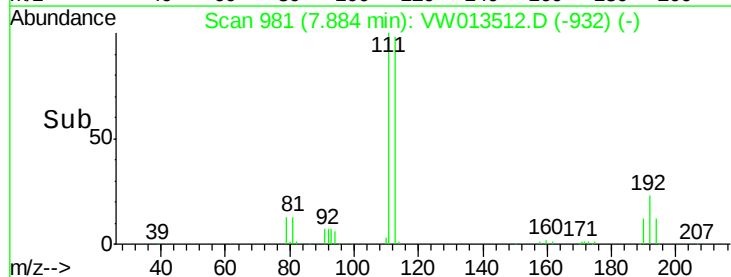
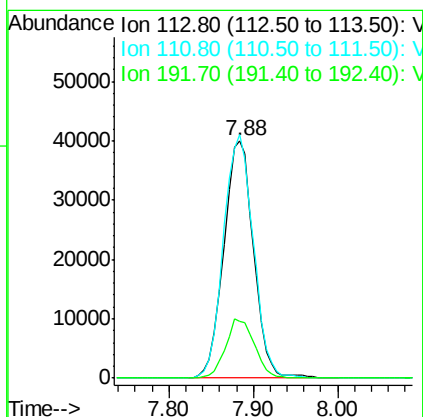
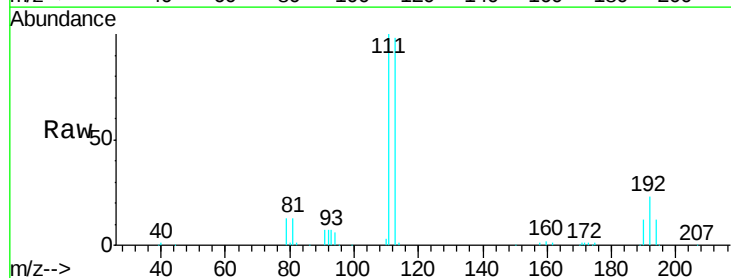
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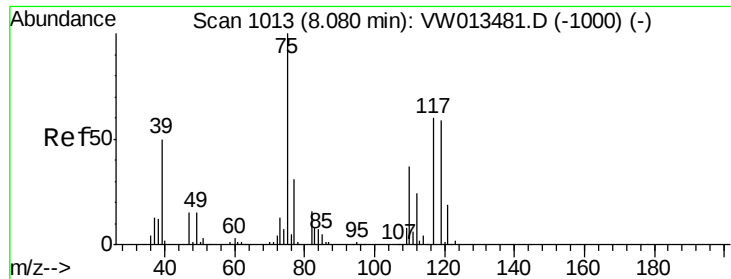
Tgt Ion:114 Resp: 489058
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.4
 88 16.0 0.0 31.4



#35
 Dibromofluoromethane
 Concen: 35.236 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013512.D
 Acq: 09 Oct 2019 18:44

Tgt Ion:113 Resp: 96246
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.3 123.5
 192 24.3 19.3 28.9

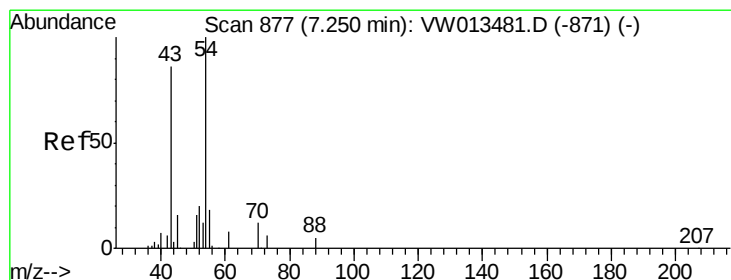
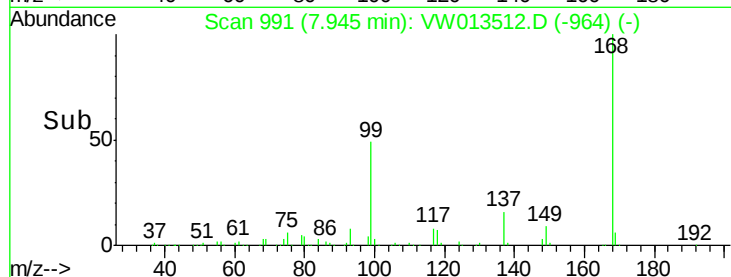
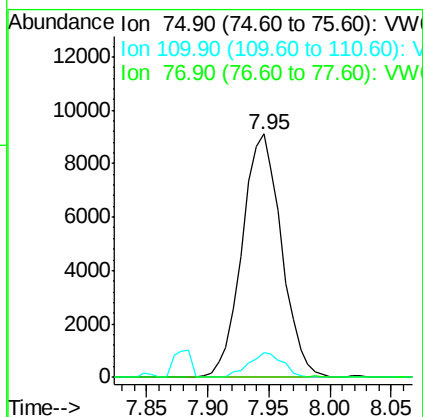
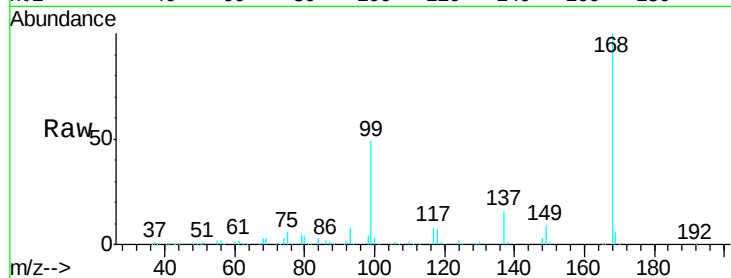




#36
 1,1-Dichloropropene
 Concen: 4.617 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013512.D
 Acq: 09 Oct 2019 18:44

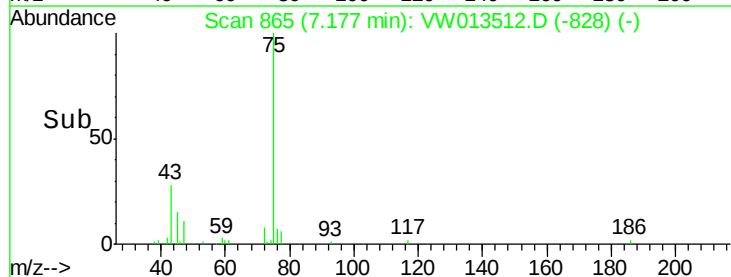
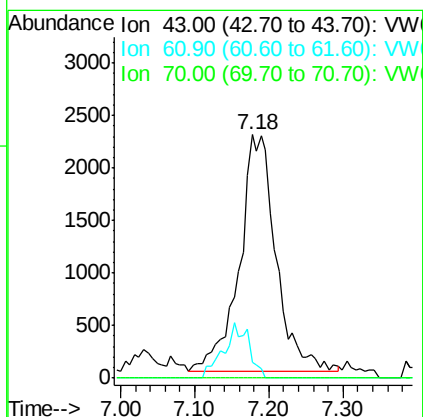
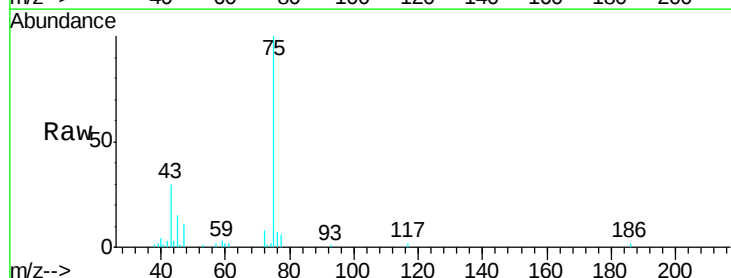
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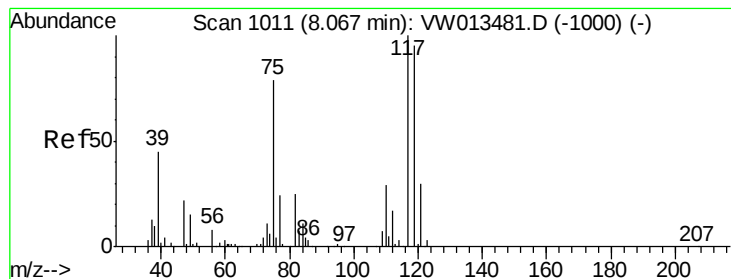
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.4	55.2#
77	0.0	25.0	37.4#



#37
 Ethyl Acetate
 Concen: 3.867 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VW013512.D
 Acq: 09 Oct 2019 18:44

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





#38

Carbon Tetrachloride

Concen: 6.934 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013512.D

Acq: 09 Oct 2019 18:44

Instrument :

MSVOA_W

ClientSampleId :

20190858-AMENDED-COMP-E

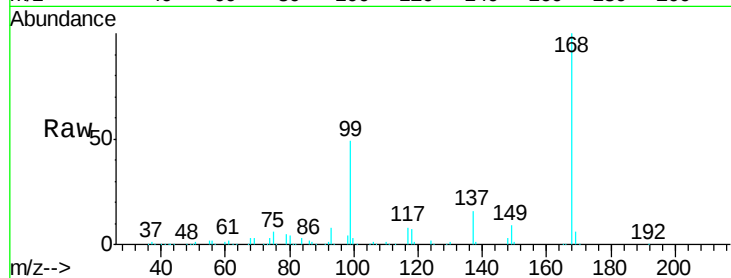
Tgt Ion:117 Resp: 27196

Ion Ratio Lower Upper

117 100

119 6.3 76.3 114.5#

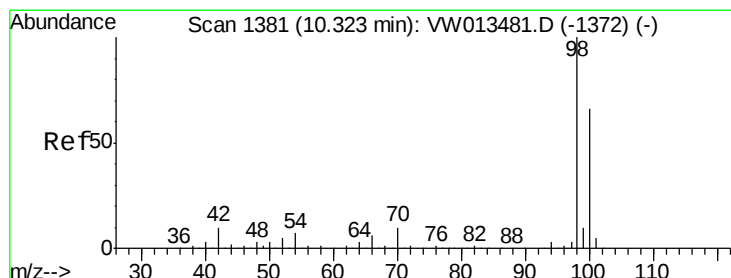
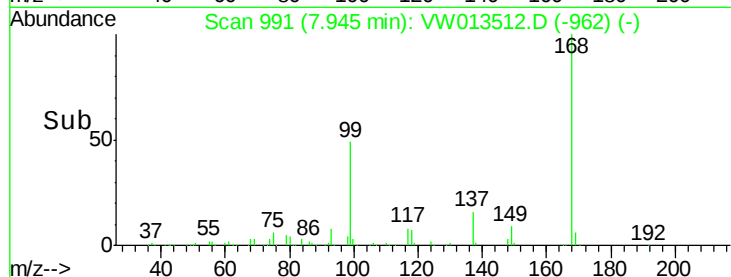
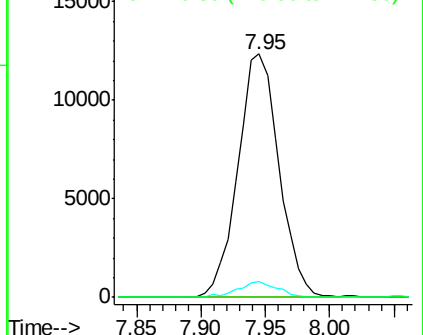
121 0.0 23.6 35.4#



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



#50

Toluene-d8

Concen: 49.210 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013512.D

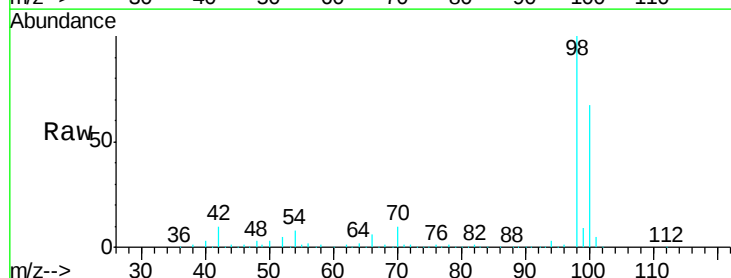
Acq: 09 Oct 2019 18:44

Tgt Ion: 98 Resp: 564880

Ion Ratio Lower Upper

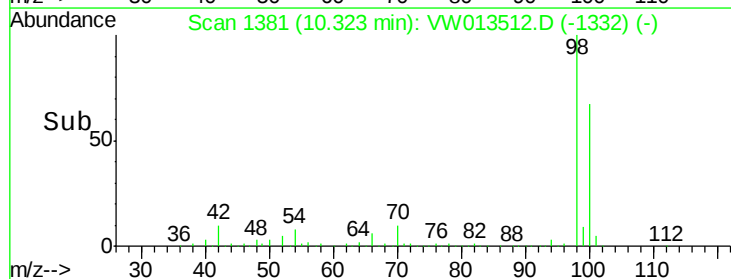
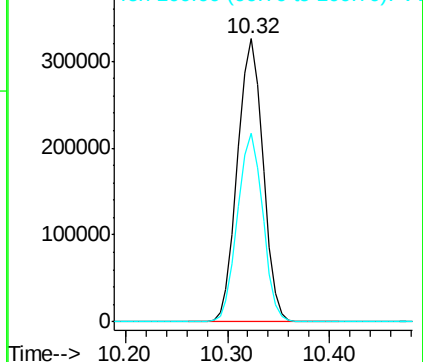
98 100

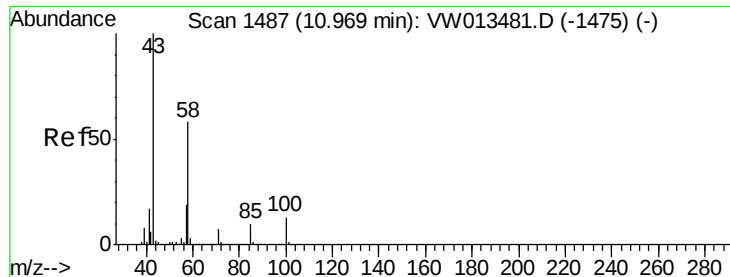
100 66.2 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

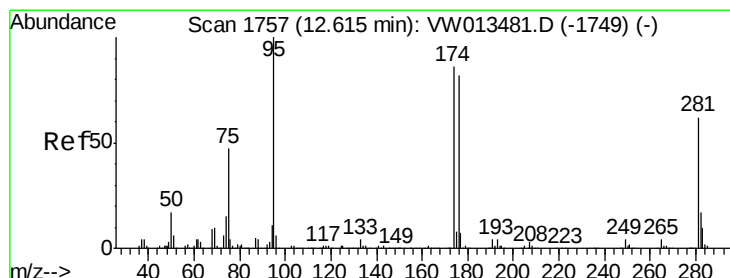
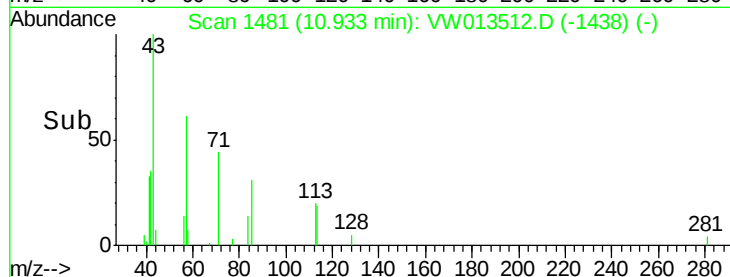
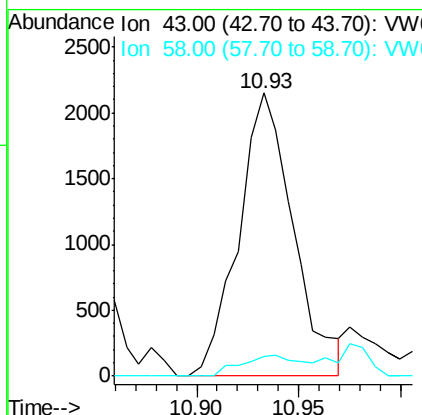
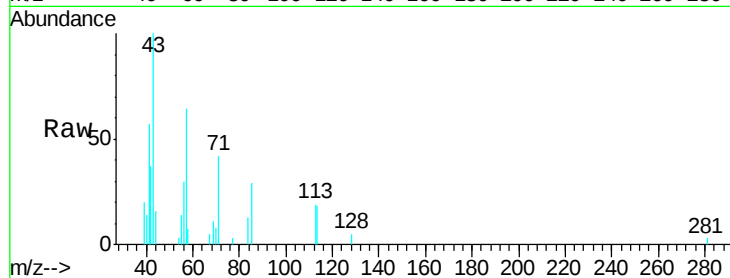




#59
2-Hexanone
Concen: 3.070 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.04 min
Lab File: VW013512.D
Acq: 09 Oct 2019 18:44

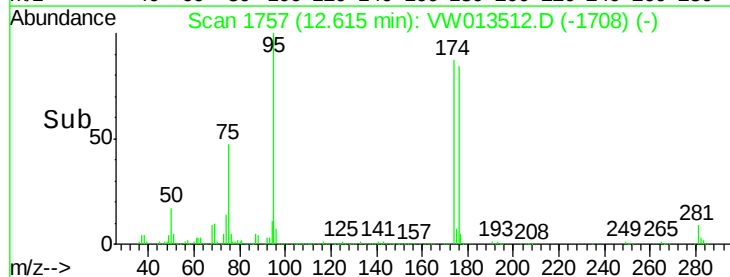
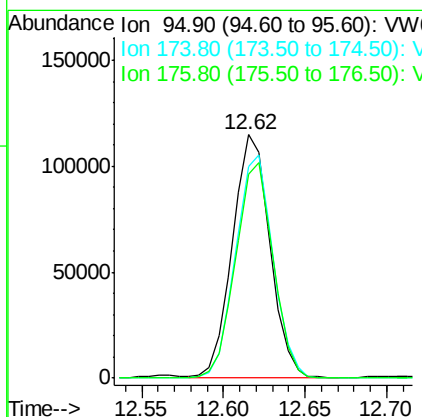
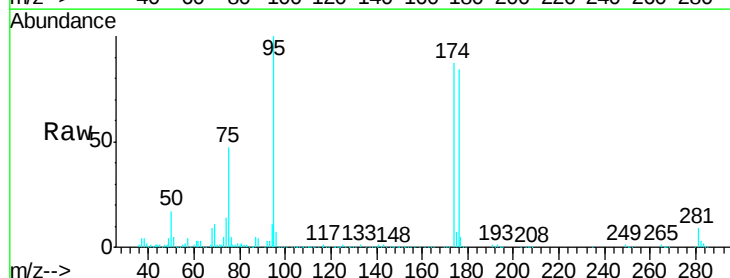
Instrument :
MSVOA_W
ClientSampleId :
20190858-AMENDED-COMP-E

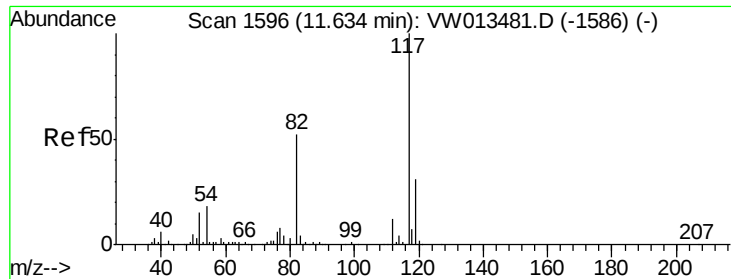
Tgt Ion: 43 Resp: 4014
Ion Ratio Lower Upper
43 100
58 8.3 28.4 85.2#



#62
4-Bromofluorobenzene
Concen: 47.535 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013512.D
Acq: 09 Oct 2019 18:44

Tgt Ion: 95 Resp: 183300
Ion Ratio Lower Upper
95 100
174 92.2 0.0 177.4
176 88.9 0.0 173.4

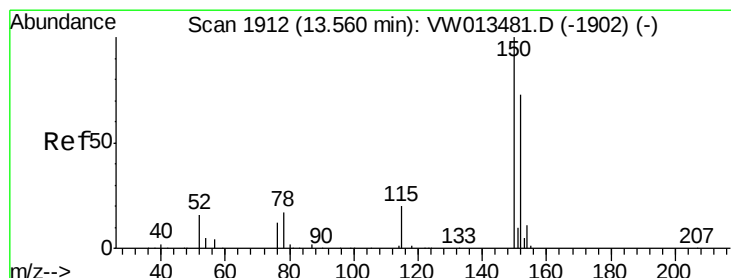
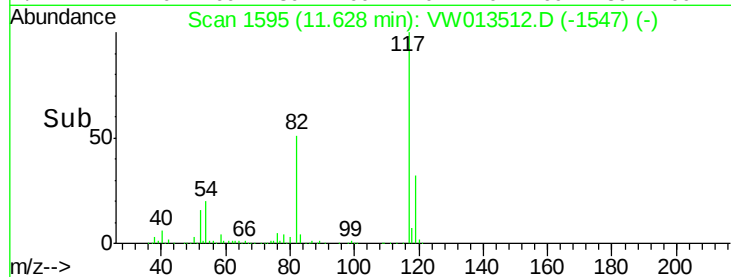
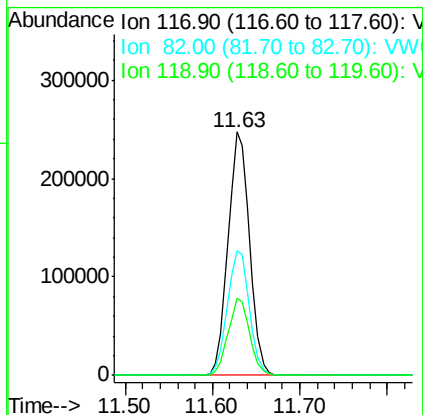
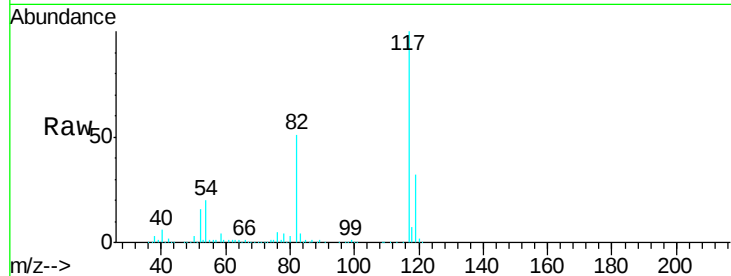




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013512.D
Acq: 09 Oct 2019 18:44

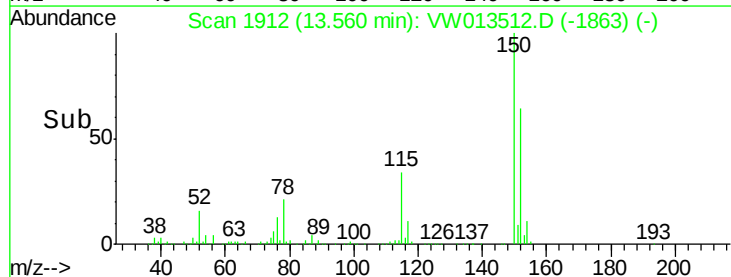
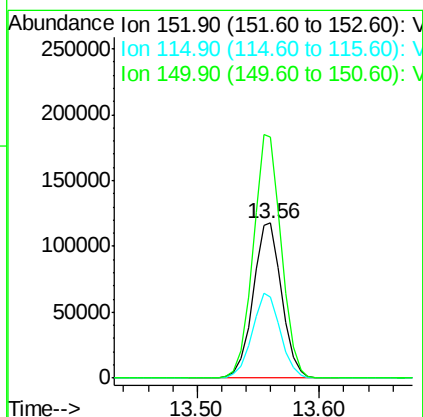
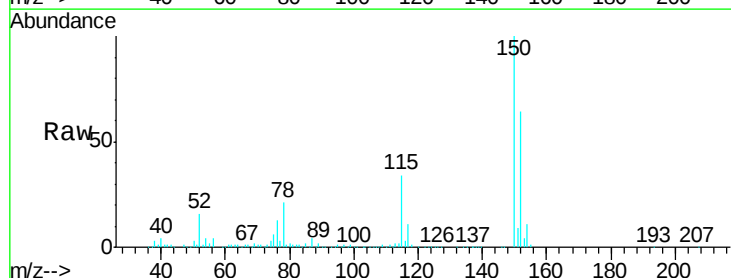
Instrument :
MSVOA_W
ClientSampleId :
20190858-AMENDED-COMP-E

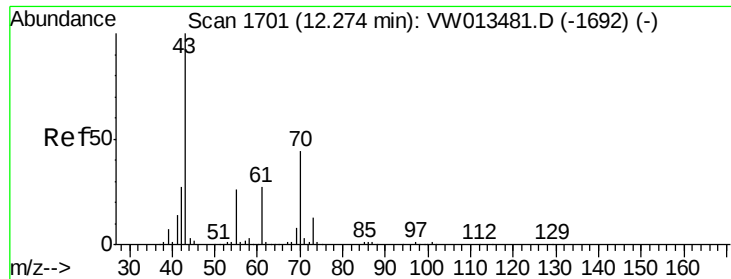
Tgt Ion:117 Resp: 421997
Ion Ratio Lower Upper
117 100
82 51.3 41.4 62.2
119 31.9 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013512.D
Acq: 09 Oct 2019 18:44

Tgt Ion:152 Resp: 191815
Ion Ratio Lower Upper
152 100
115 54.2 27.0 81.0
150 153.9 0.0 337.4





#74

N-amyI acetate

Concen: 2.816 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW013512.D

Acq: 09 Oct 2019 18:44

Instrument :

MSVOA_W

ClientSampleId :

20190858-AMENDED-COMP-E

Tgt Ion: 43 Resp: 8462

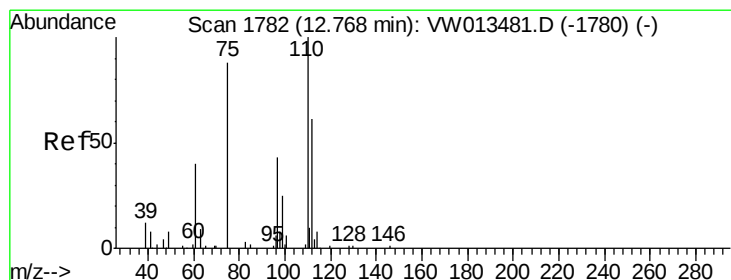
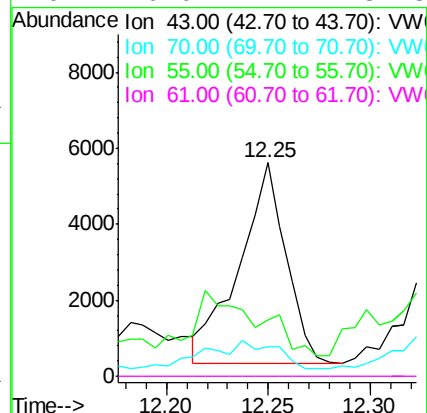
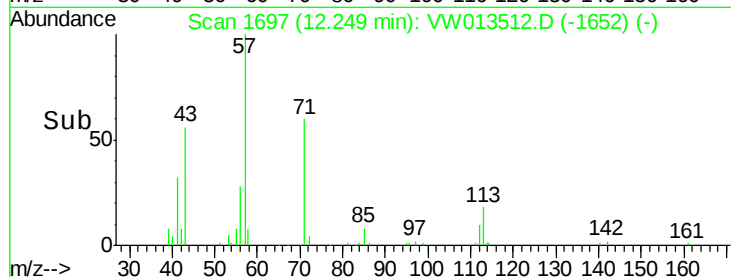
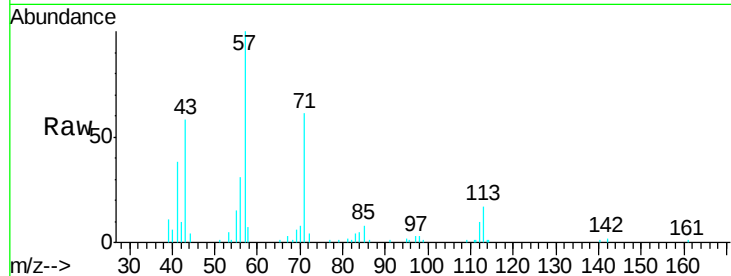
Ion Ratio Lower Upper

43 100

70 21.2 35.3 52.9#

55 0.0 20.0 30.0#

61 0.0 21.2 31.8#



#76

1,2,3-Trichloropropane

Concen: 54.793 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013512.D

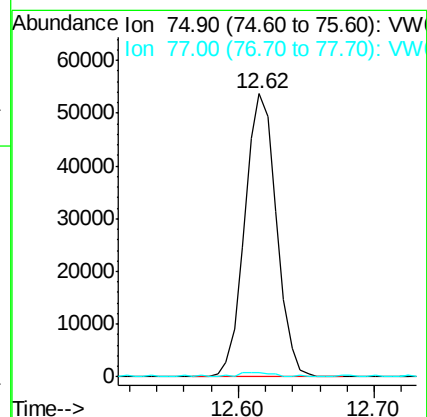
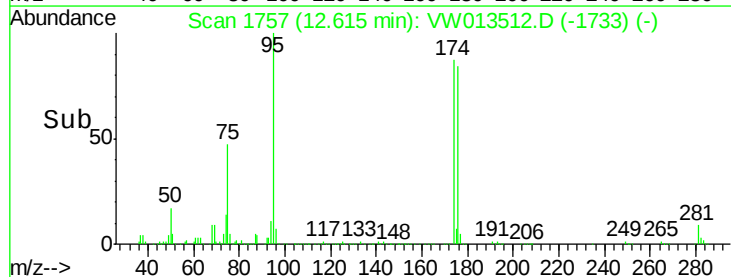
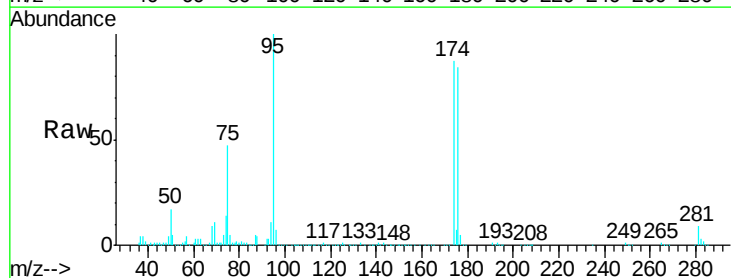
Acq: 09 Oct 2019 18:44

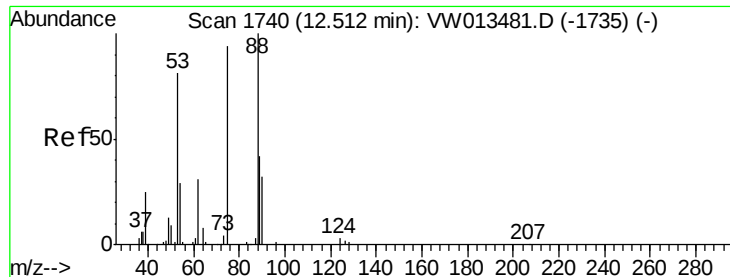
Tgt Ion: 75 Resp: 87535

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

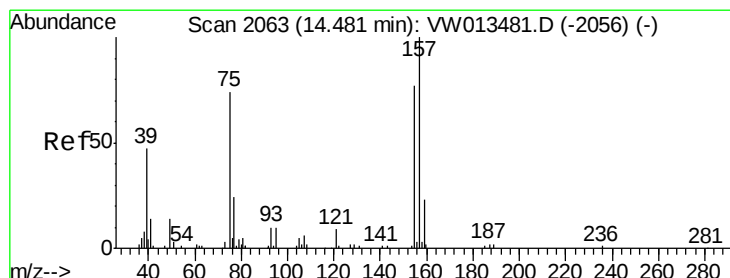
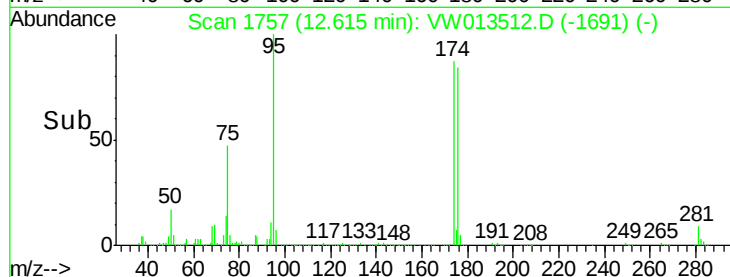
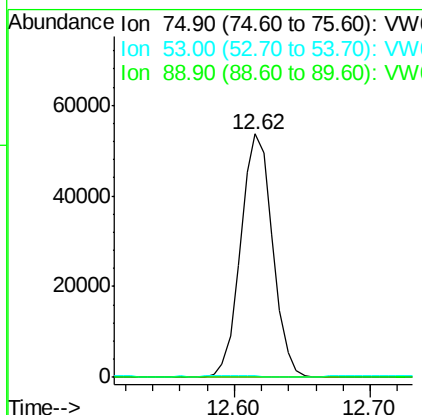
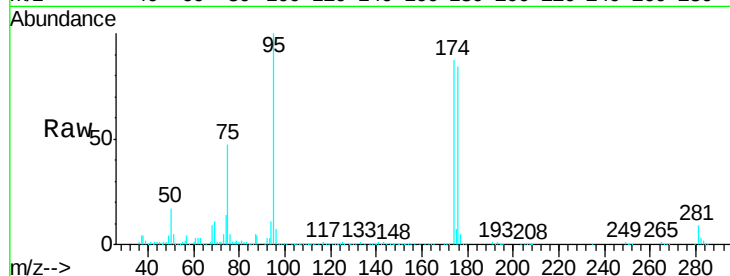




#81
trans-1,4-Dichloro-2-butene
Concen: 112.007 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW013512.D
Acq: 09 Oct 2019 18:44

Instrument :
MSVOA_W
ClientSampleId :
20190858-AMENDED-COMP-E

Tgt Ion: 75 Resp: 87535
Ion Ratio Lower Upper
75 100
53 0.0 71.0 106.6#
89 0.0 36.1 54.1#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.061 ug/l
RT: 14.52 min Scan# 2069
Delta R.T. 0.04 min
Lab File: VW013512.D
Acq: 09 Oct 2019 18:44

Tgt Ion: 75 Resp: 396
Ion Ratio Lower Upper
75 100
155 0.0 51.0 153.1#
157 0.0 65.9 197.7#

