

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100219\
 Data File : VW013387.D
 Acq On : 02 Oct 2019 19:04
 Operator : SY/VA
 Sample : K5127-01
 Misc : 5.06G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 20190772-SS-COMPOSITE-12

Quant Time: Oct 03 07:04:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	326991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	490728	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	423644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	197280	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	147977	60.61	ug/l	0.00
Spiked Amount			Recovery	=	121.22%	
35) Dibromofluoromethane	7.88	113	141380	54.91	ug/l	0.00
Spiked Amount			Recovery	=	109.82%	
50) Toluene-d8	10.32	98	572926	53.62	ug/l	0.00
Spiked Amount			Recovery	=	107.24%	
62) 4-Bromofluorobenzene	12.62	95	189264	53.04	ug/l	0.00
Spiked Amount			Recovery	=	106.08%	

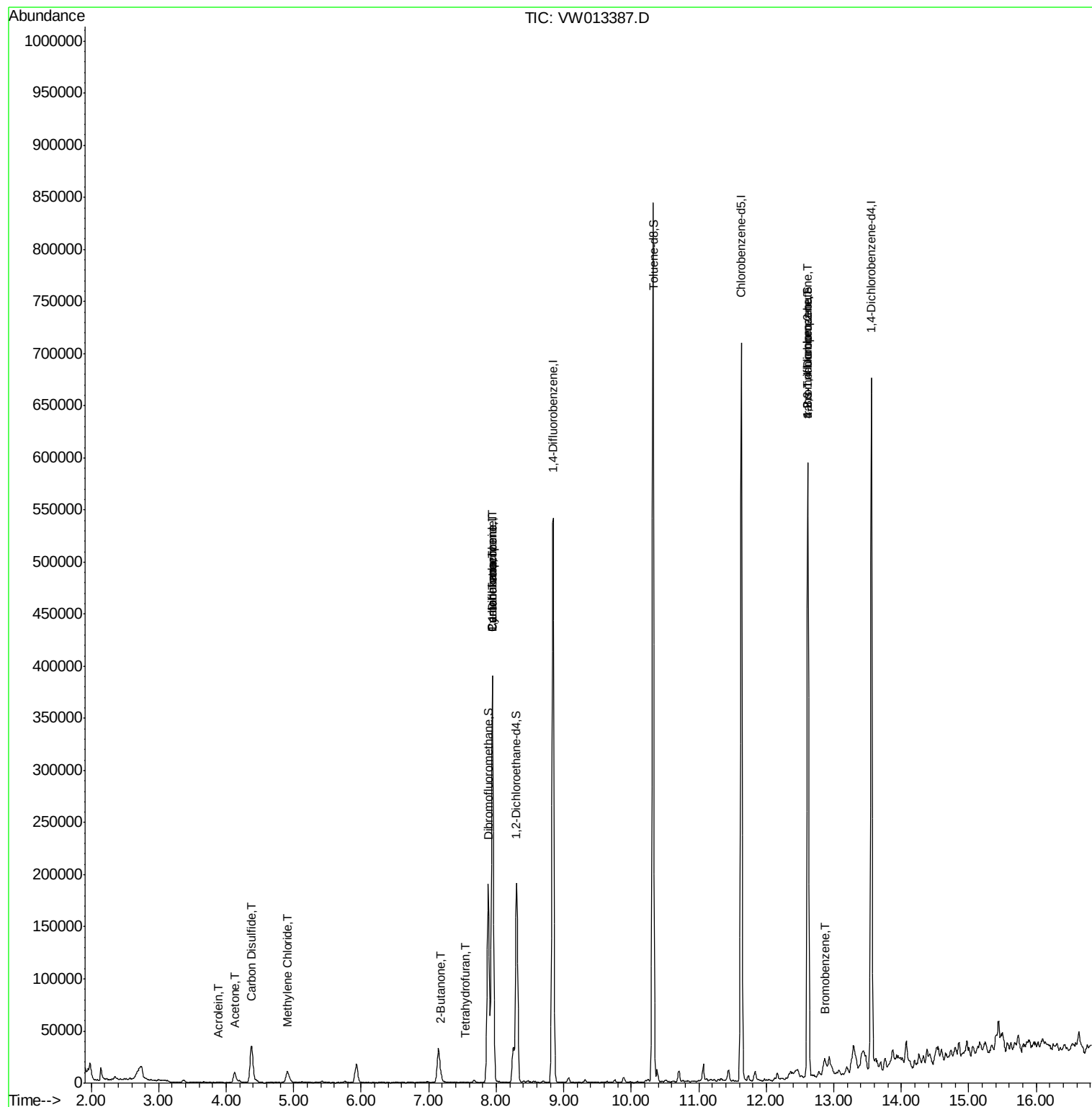
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	414	Below Cal	#	89
13) Acrolein	3.88	56	1032	14.581	ug/l #	68
16) Acetone	4.12	43	18449	24.652	ug/l	97
17) Carbon Disulfide	4.37	76	83747	9.973	ug/l	100
20) Methylene Chloride	4.91	84	8629	1.008	ug/l	89
25) 2-Butanone	7.18	43	7641	7.979	ug/l	99
26) 2,2-Dichloropropane	7.14	77	2308	Below Cal	#	52
29) Tetrahydrofuran	7.54	42	90	9.849	ug/l #	52
31) Cyclohexane	7.95	56	5782	1.035	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	20869	4.579	ug/l #	49
38) Carbon Tetrachloride	7.94	117	27681	7.011	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	88586	50.523	ug/l #	100
77) Bromobenzene	12.86	156	15118	4.363	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	88586	102.613	ug/l #	12

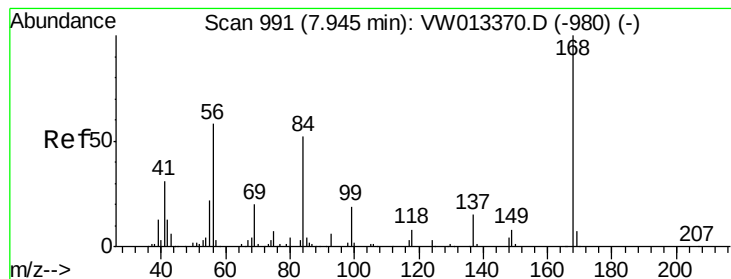
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013387.D

Acq: 02 Oct 2019 19:04

Instrument :

MSVOA_W

ClientSampleId :

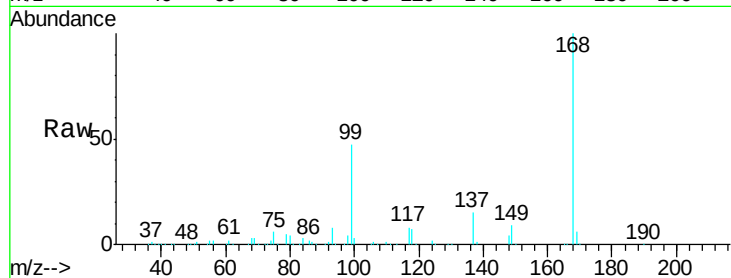
20190772-SS-COMPOSITE-12

Tgt Ion: 168 Resp: 326991

Ion Ratio Lower Upper

168 100

99 46.9 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

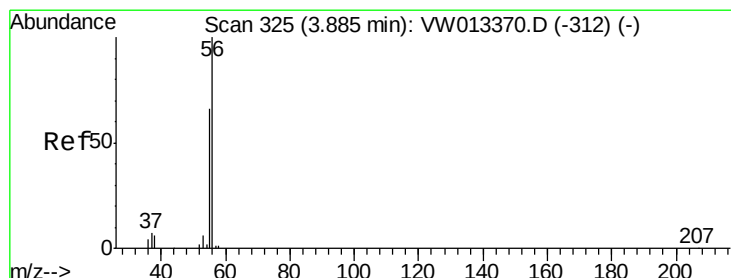
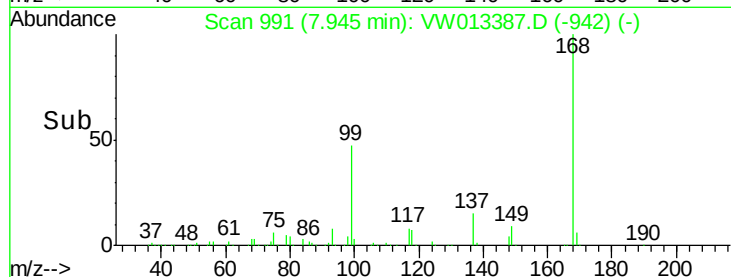
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#13

Acrolein

Concen: 14.581 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW013387.D

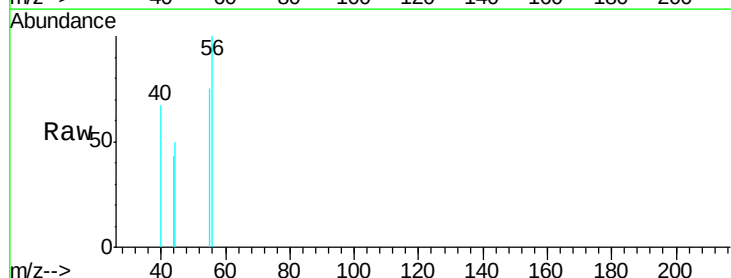
Acq: 02 Oct 2019 19:04

Tgt Ion: 56 Resp: 1032

Ion Ratio Lower Upper

56 100

55 95.2 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.88

400

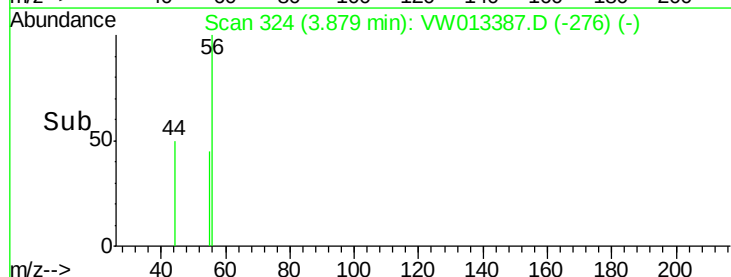
300

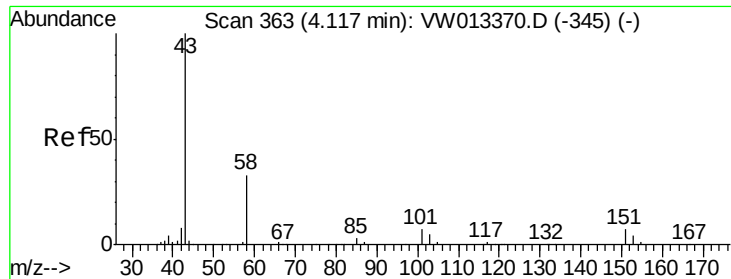
200

100

0

Time--> 3.80 3.85 3.90 3.95





#16

Acetone

Concen: 24.652 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013387.D

Acq: 02 Oct 2019 19:04

Instrument :

MSVOA_W

ClientSampleId :

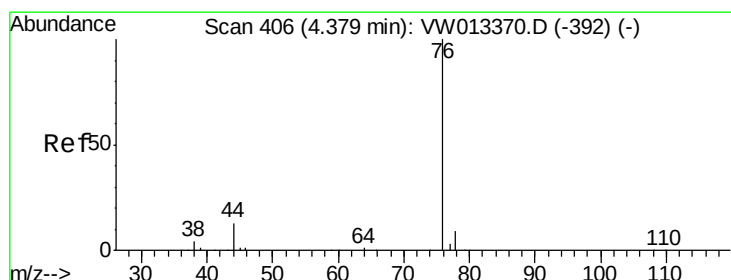
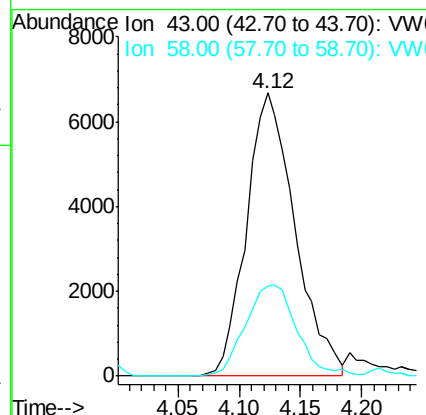
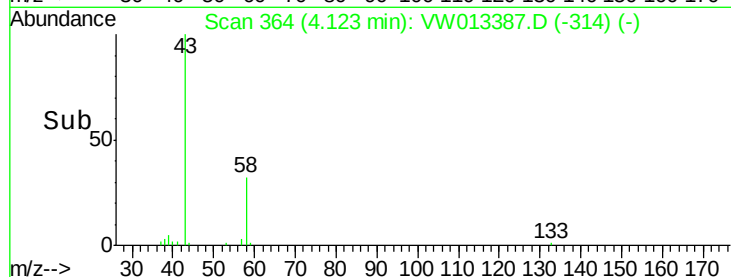
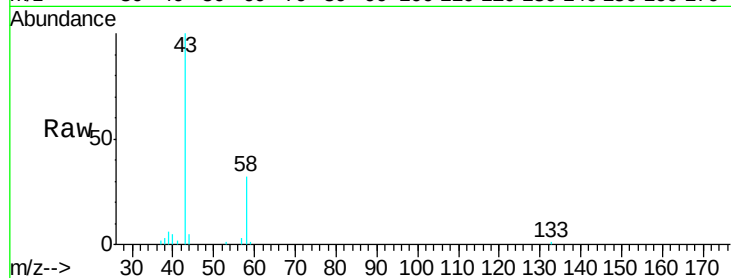
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Tgt Ion: 43 Resp: 18449

Ion Ratio Lower Upper

43 100

58 31.8 24.1 36.1



#17

Carbon Disulfide

Concen: 9.973 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW013387.D

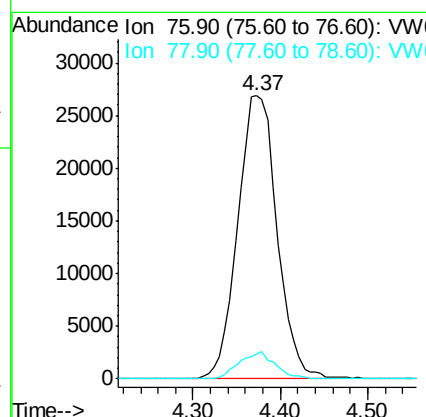
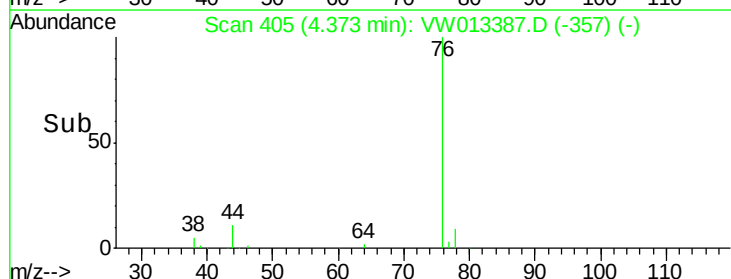
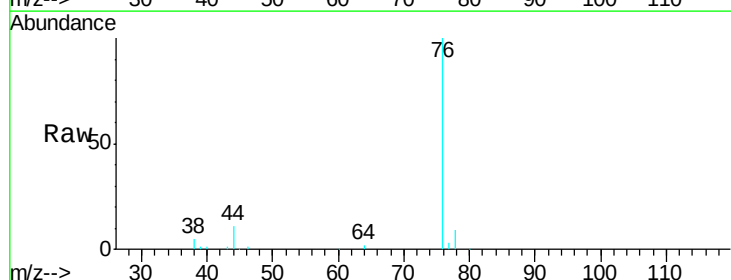
Acq: 02 Oct 2019 19:04

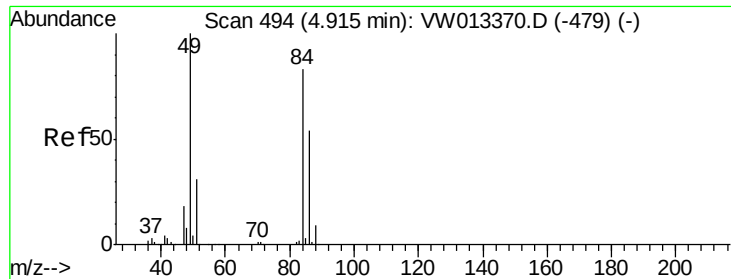
Tgt Ion: 76 Resp: 83747

Ion Ratio Lower Upper

76 100

78 8.6 7.0 10.4

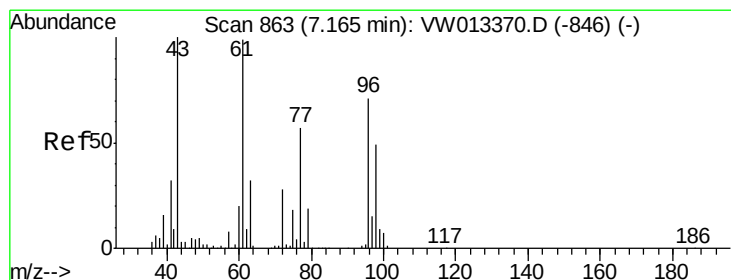
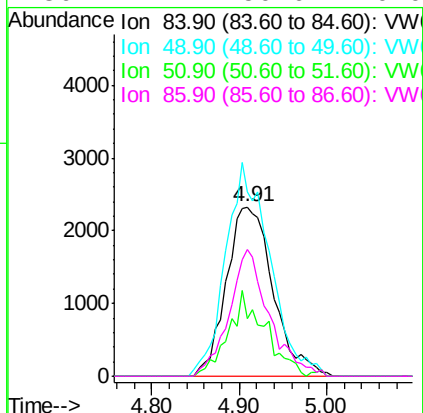
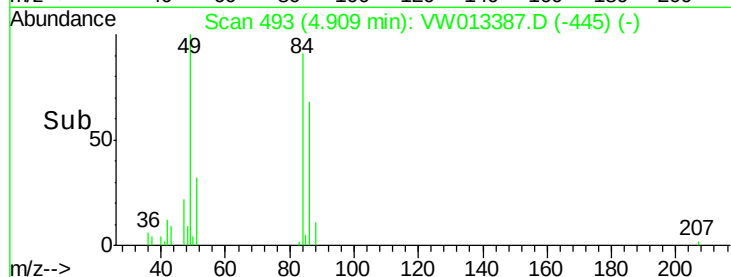
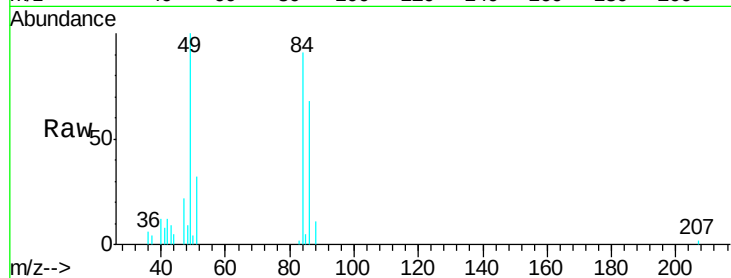




#20
Methylene Chloride
Concen: 1.008 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW013387.D
Acq: 02 Oct 2019 19:04

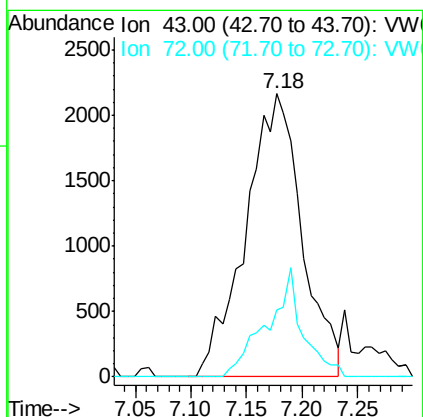
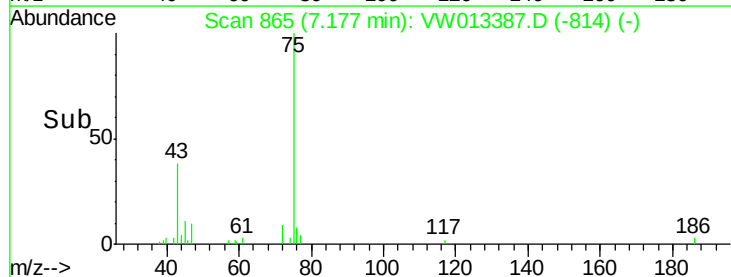
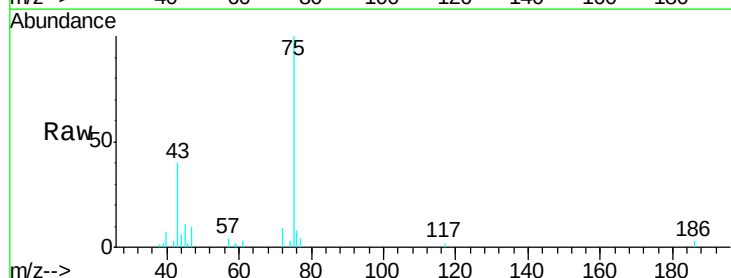
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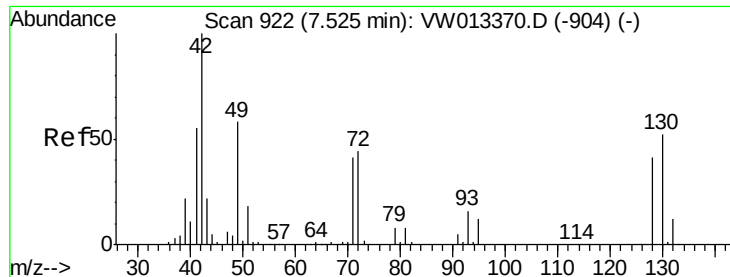
Tgt Ion:	84	Resp:	8629
Ion	Ratio	Lower	Upper
84	100		
49	109.3	97.6	146.4
51	34.5	30.2	45.2
86	74.7	50.6	76.0



#25
2-Butanone
Concen: 7.979 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW013387.D
Acq: 02 Oct 2019 19:04

Tgt Ion:	43	Resp:	7641
Ion	Ratio	Lower	Upper
43	100		
72	23.5	19.4	29.0

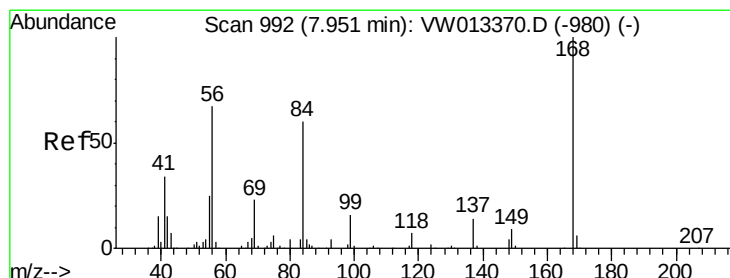
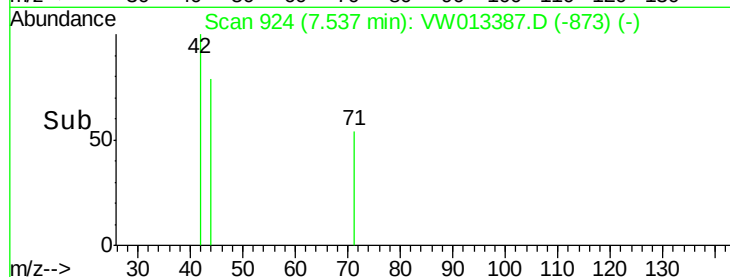
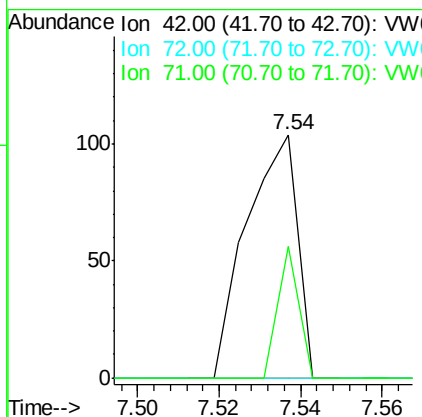
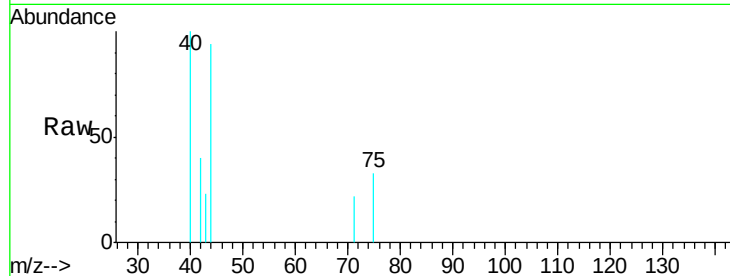




#29
Tetrahydrofuran
Concen: 9.849 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW013387.D
Acq: 02 Oct 2019 19:04

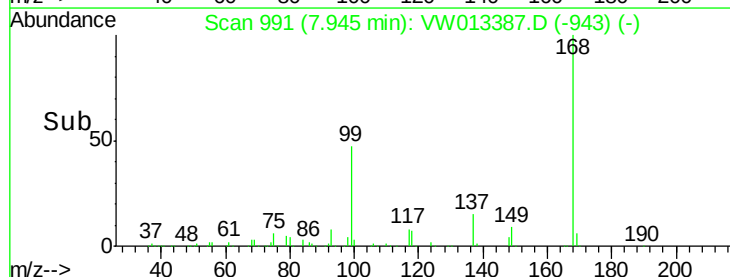
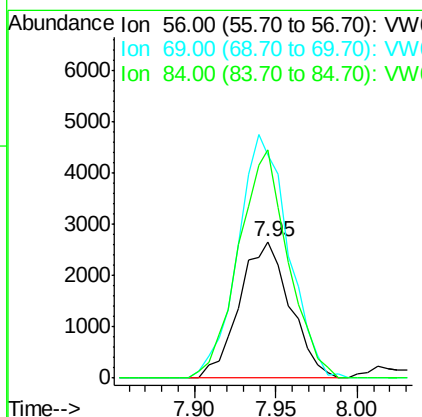
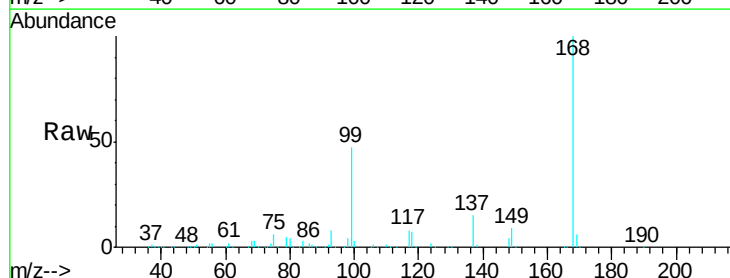
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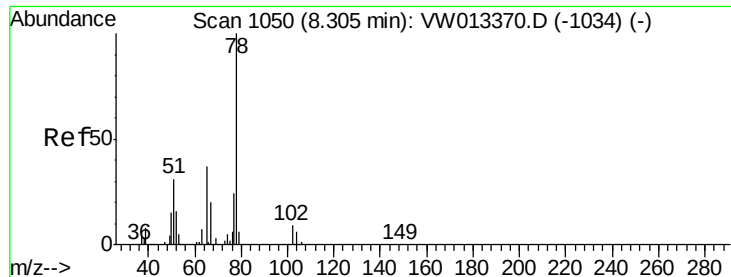
Tgt Ion: 42 Resp: 90
Ion Ratio Lower Upper
42 100
72 0.0 33.9 50.9#
71 22.2 31.9 47.9#



#31
Cyclohexane
Concen: 1.035 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW013387.D
Acq: 02 Oct 2019 19:04

Tgt Ion: 56 Resp: 5782
Ion Ratio Lower Upper
56 100
69 163.6 27.2 40.8#
84 168.0 70.8 106.2#

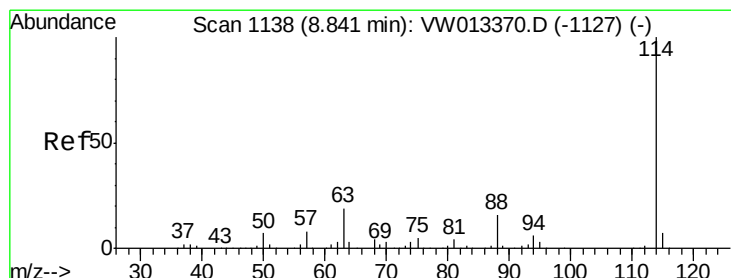
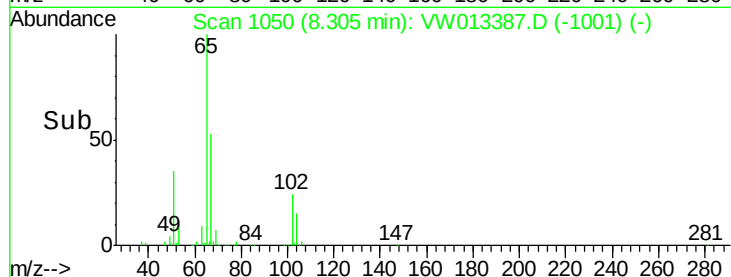
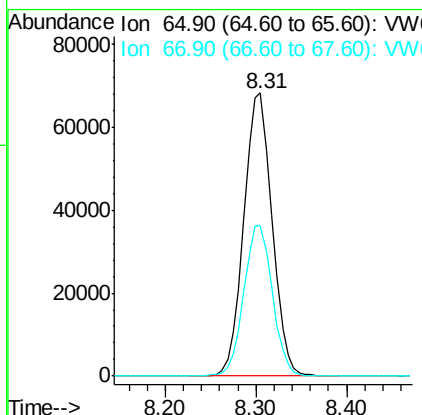
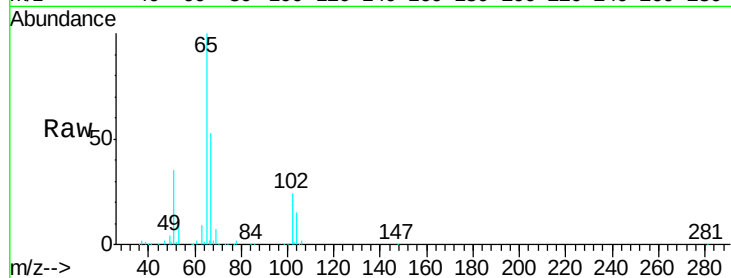




#33
 1,2-Dichloroethane-d4
 Concen: 60.608 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013387.D
 Acq: 02 Oct 2019 19:04

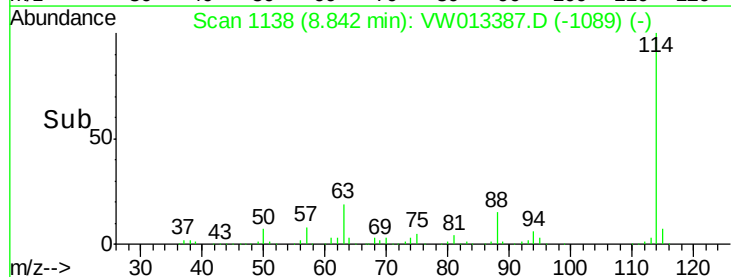
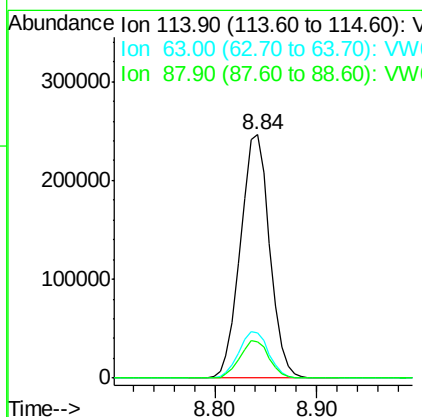
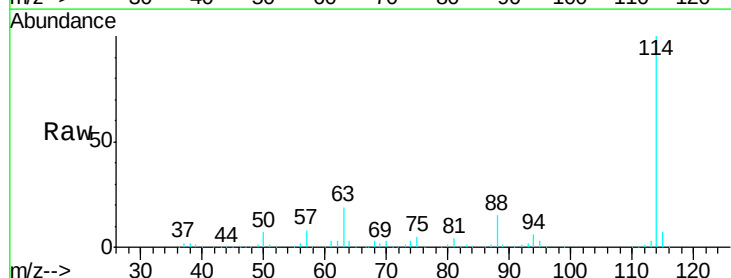
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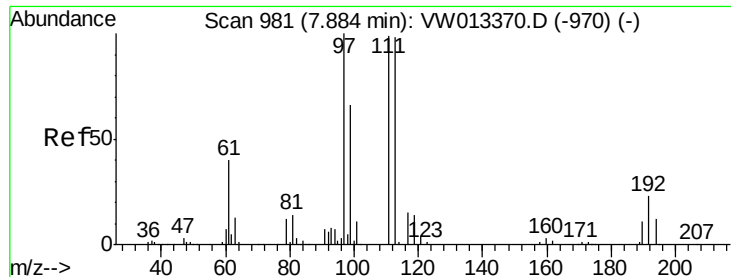
Tgt Ion: 65 Resp: 147977
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013387.D
 Acq: 02 Oct 2019 19:04

Tgt Ion: 114 Resp: 490728
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 41.4
 88 15.0 0.0 32.0

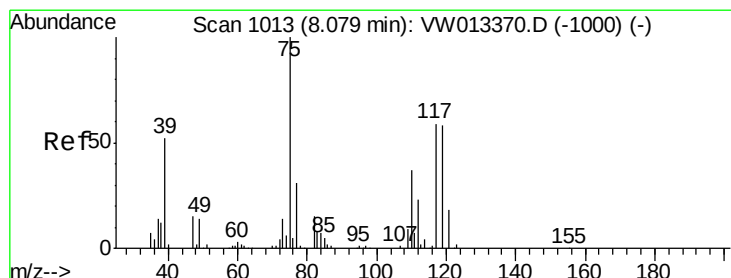
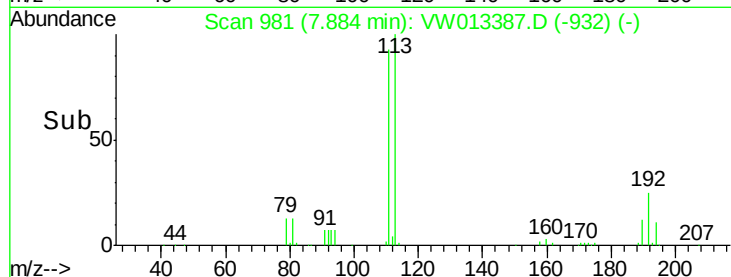
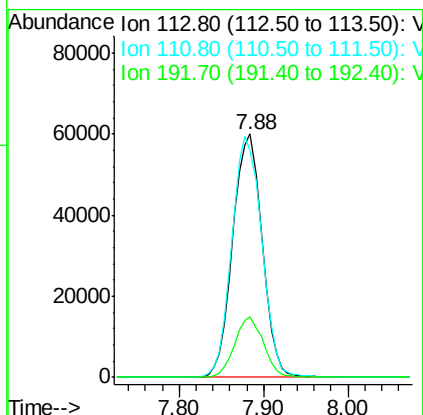
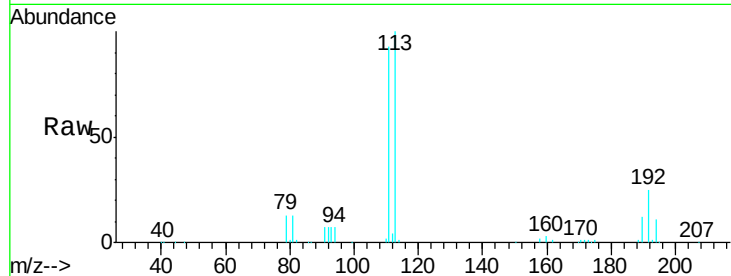




#35
 Dibromofluoromethane
 Concen: 54.906 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013387.D
 Acq: 02 Oct 2019 19:04

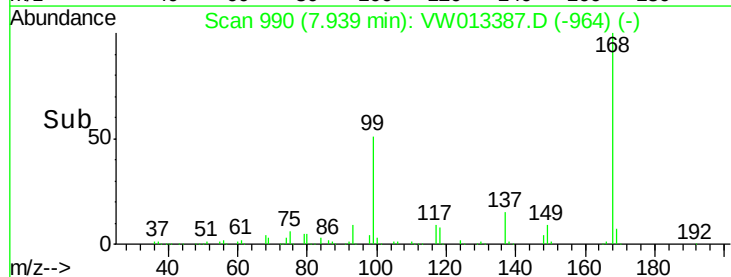
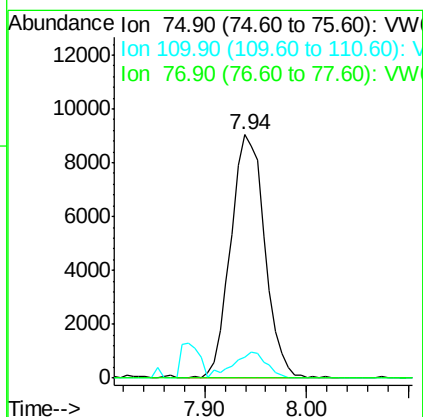
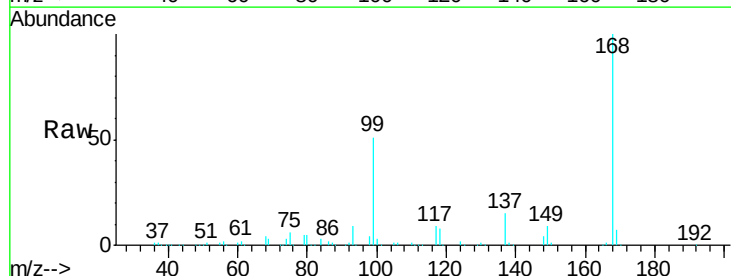
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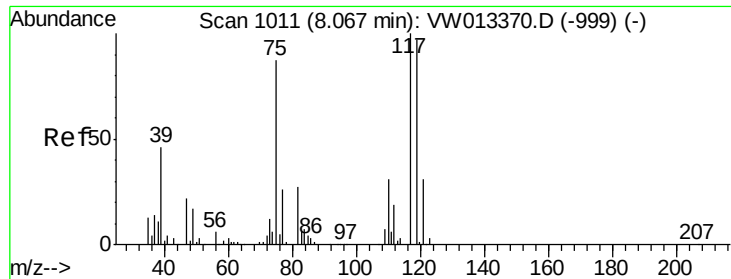
Tgt Ion: 113 Resp: 141380
 Ion Ratio Lower Upper
 113 100
 111 101.0 81.9 122.9
 192 24.3 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.579 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013387.D
 Acq: 02 Oct 2019 19:04

Tgt Ion: 75 Resp: 20869
 Ion Ratio Lower Upper
 75 100
 110 9.8 18.1 54.3#
 77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 7.011 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW013387.D

Acq: 02 Oct 2019 19:04

Instrument :

MSVOA_W

ClientSampleId :

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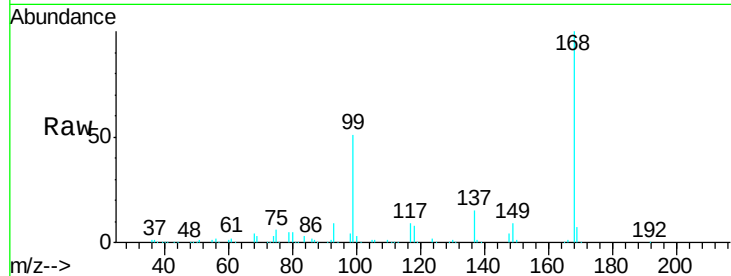
Tgt Ion: 117 Resp: 27681

Ion Ratio Lower Upper

117 100

119 4.1 73.5 110.3#

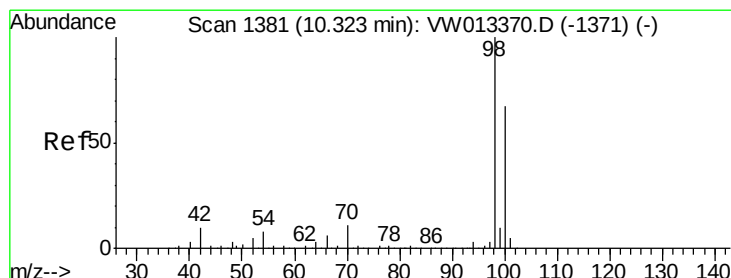
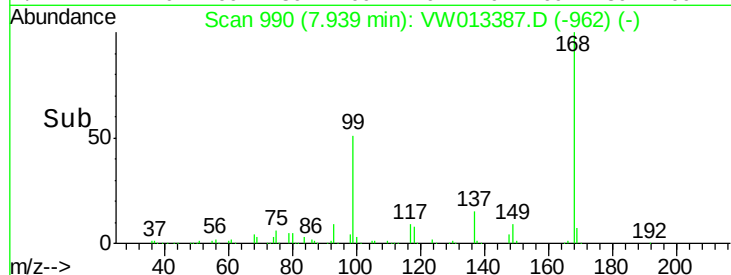
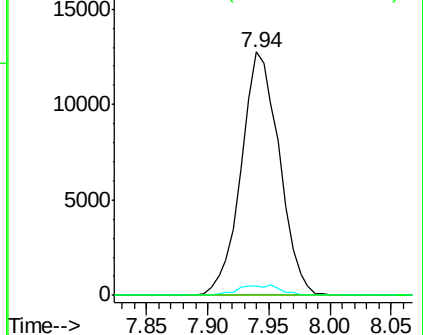
121 0.0 25.0 37.6#



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: 53.616 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013387.D

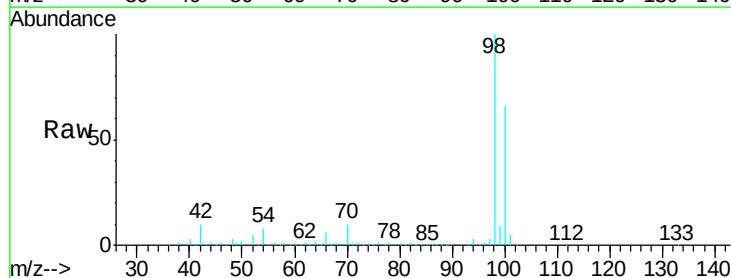
Acq: 02 Oct 2019 19:04

Tgt Ion: 98 Resp: 572926

Ion Ratio Lower Upper

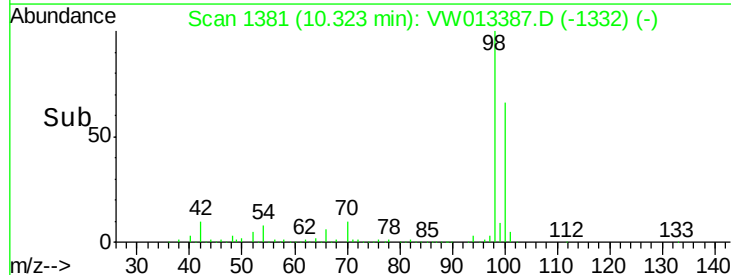
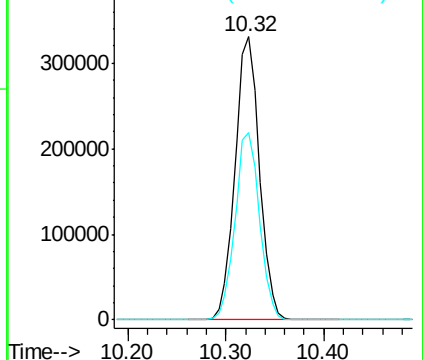
98 100

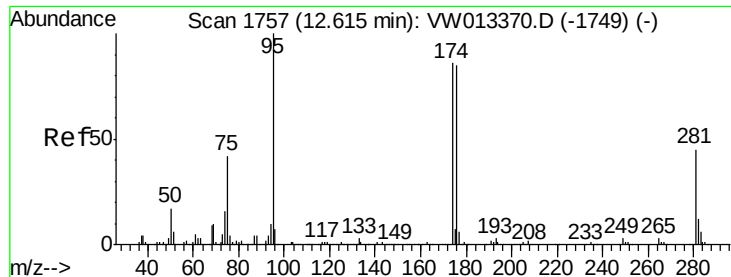
100 66.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 53.040 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013387.D

Acq: 02 Oct 2019 19:04

Instrument :

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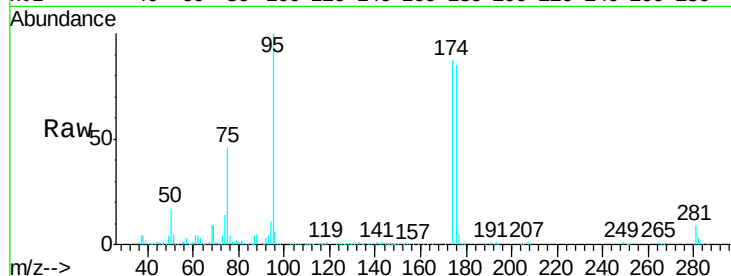
Tgt Ion: 95 Resp: 189264

Ion Ratio Lower Upper

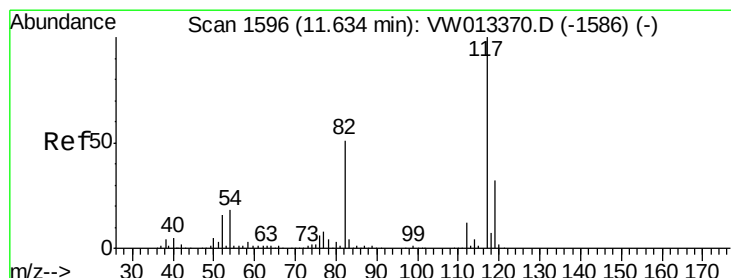
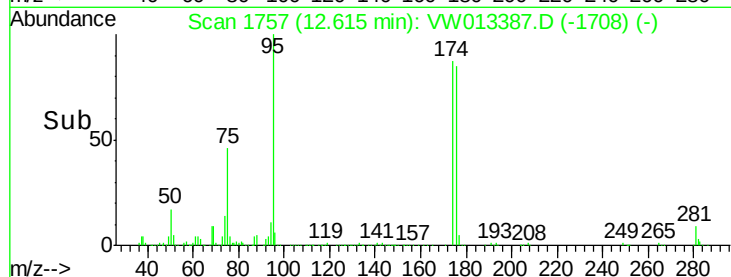
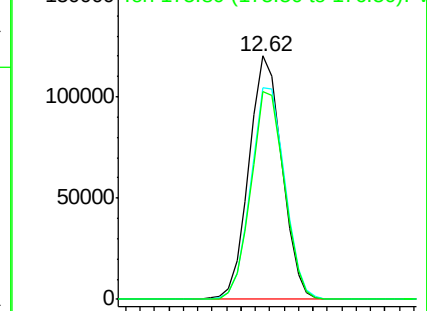
95 100

174 90.0 0.0 178.4

176 86.6 0.0 172.2



Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW013387.D

Acq: 02 Oct 2019 19:04

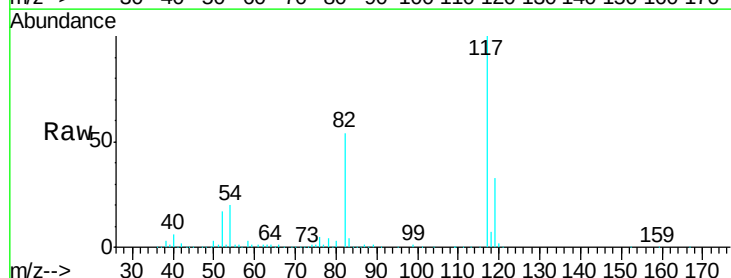
Tgt Ion: 117 Resp: 423644

Ion Ratio Lower Upper

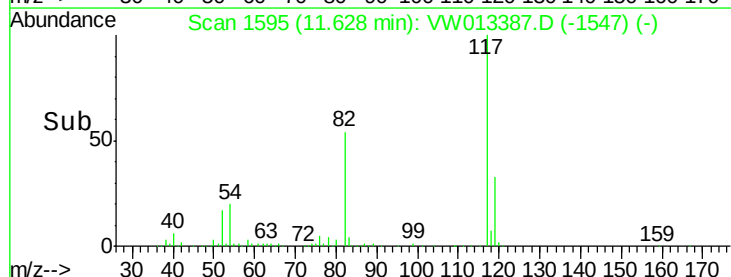
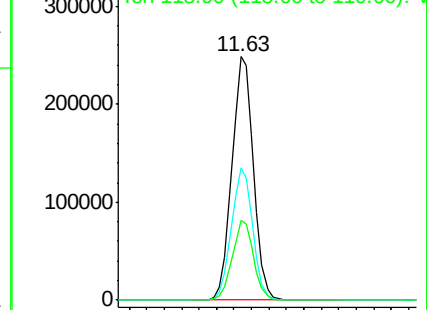
117 100

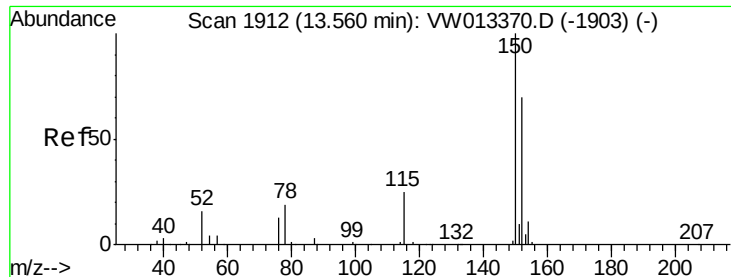
82 54.4 45.9 68.9

119 32.6 26.2 39.2



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013387.D

Acq: 02 Oct 2019 19:04

Instrument :

MSVOA_W

ClientSampleId :

20190772-SS-COMPOSITE-12

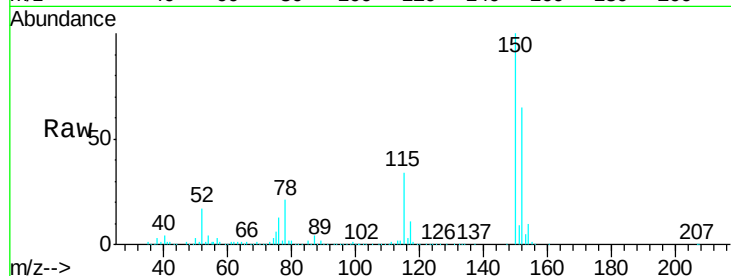
Tgt Ion: 152 Resp: 197280

Ion Ratio Lower Upper

152 100

115 53.5 27.3 81.9

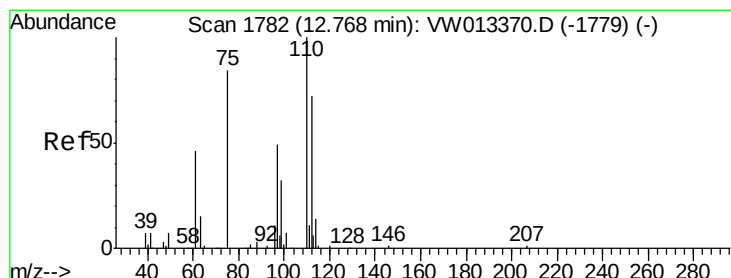
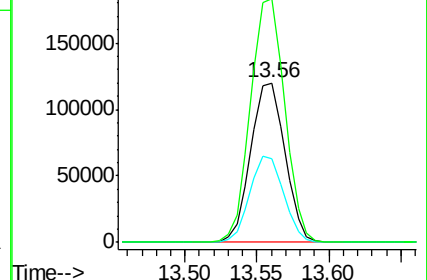
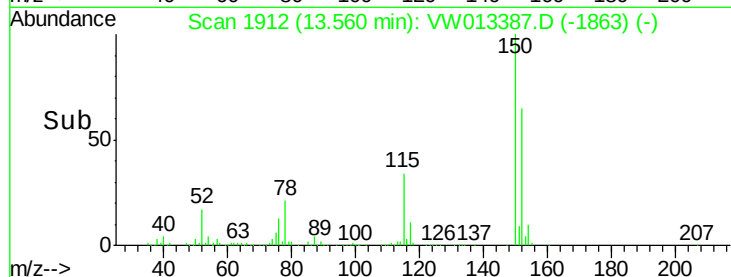
150 152.8 0.0 349.0



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: 50.523 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013387.D

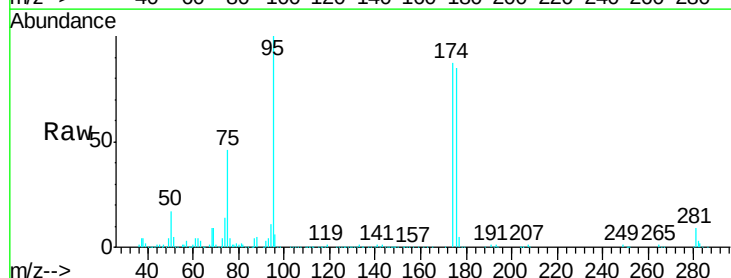
Acq: 02 Oct 2019 19:04

Tgt Ion: 75 Resp: 88586

Ion Ratio Lower Upper

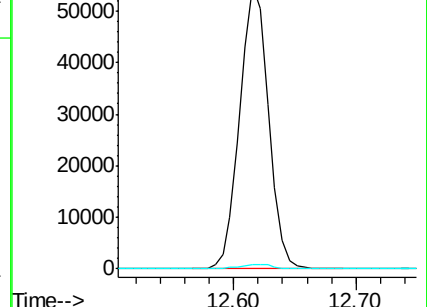
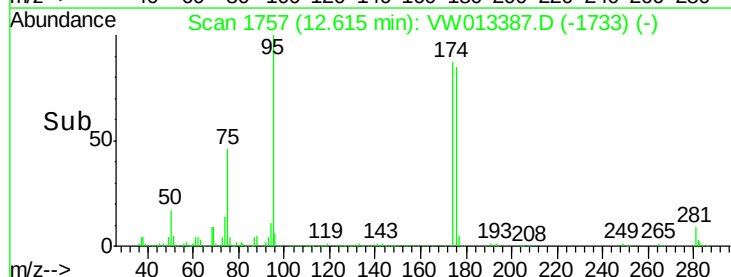
75 100

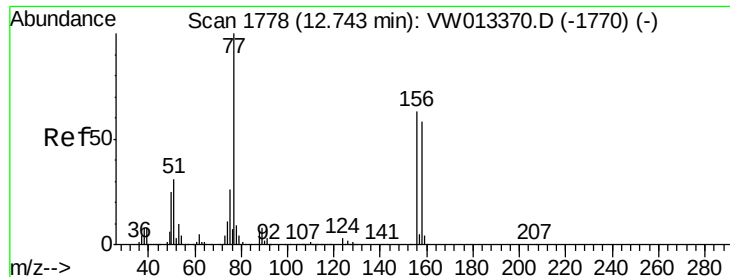
77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 4.363 ug/l

RT: 12.86 min Scan# 1797

Delta R.T. 0.12 min

Lab File: VW013387.D

Acq: 02 Oct 2019 19:04

Instrument :

MSVOA_W

ClientSampleId :

20190772-SS-COMPOSITE-12

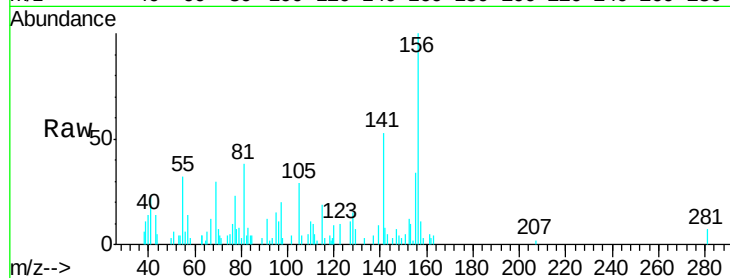
Tgt Ion:156 Resp: 15118

Ion Ratio Lower Upper

156 100

77 5.4 85.7 257.1#

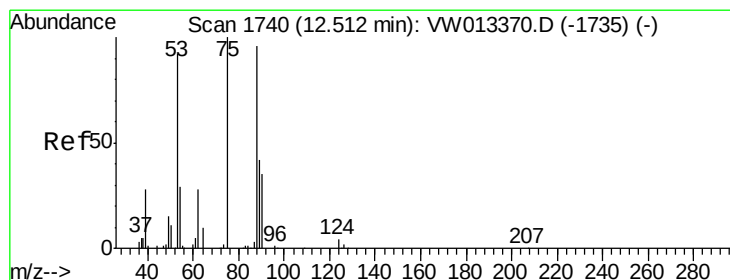
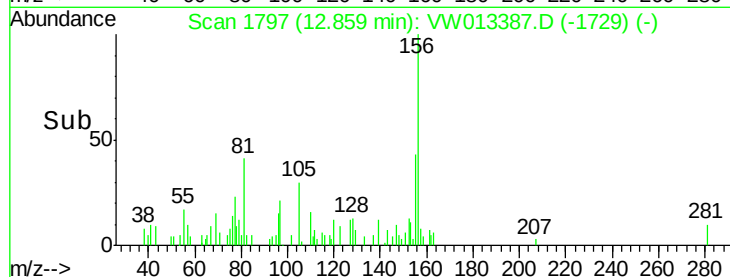
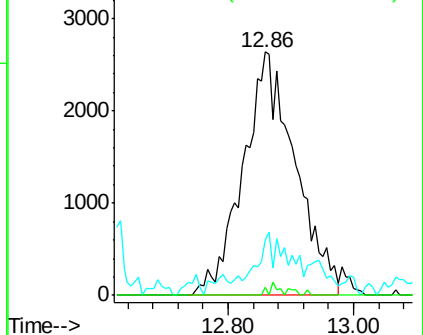
158 0.9 48.1 144.4#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 102.613 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013387.D

Acq: 02 Oct 2019 19:04

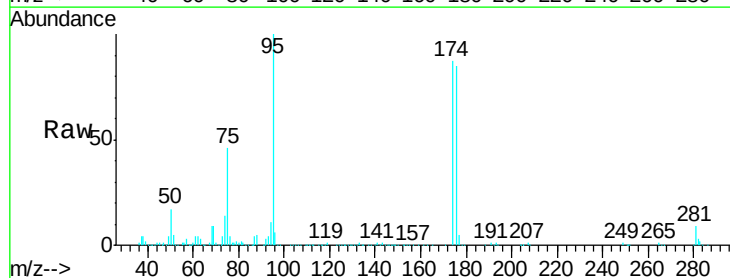
Tgt Ion: 75 Resp: 88586

Ion Ratio Lower Upper

75 100

53 0.2 76.6 114.8#

89 0.0 33.5 50.3#



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

