

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012420\
 Data File : VW014746.D
 Acq On : 24 Jan 2020 16:07
 Operator : SY/VA
 Sample : L1007-01
 Misc : 7.93G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-012320-A

Quant Time: Jan 25 06:09:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 24 13:12:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	430418	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	717440	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	518885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	177233	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	236915	57.15	ug/l	0.00
Spiked Amount			Recovery	=	114.30%	
35) Dibromofluoromethane	7.88	113	222533	53.29	ug/l	0.00
Spiked Amount			Recovery	=	106.58%	
50) Toluene-d8	10.32	98	777069	45.13	ug/l	0.00
Spiked Amount			Recovery	=	90.26%	
62) 4-Bromofluorobenzene	12.62	95	203861	35.41	ug/l	0.00
Spiked Amount			Recovery	=	70.82%	

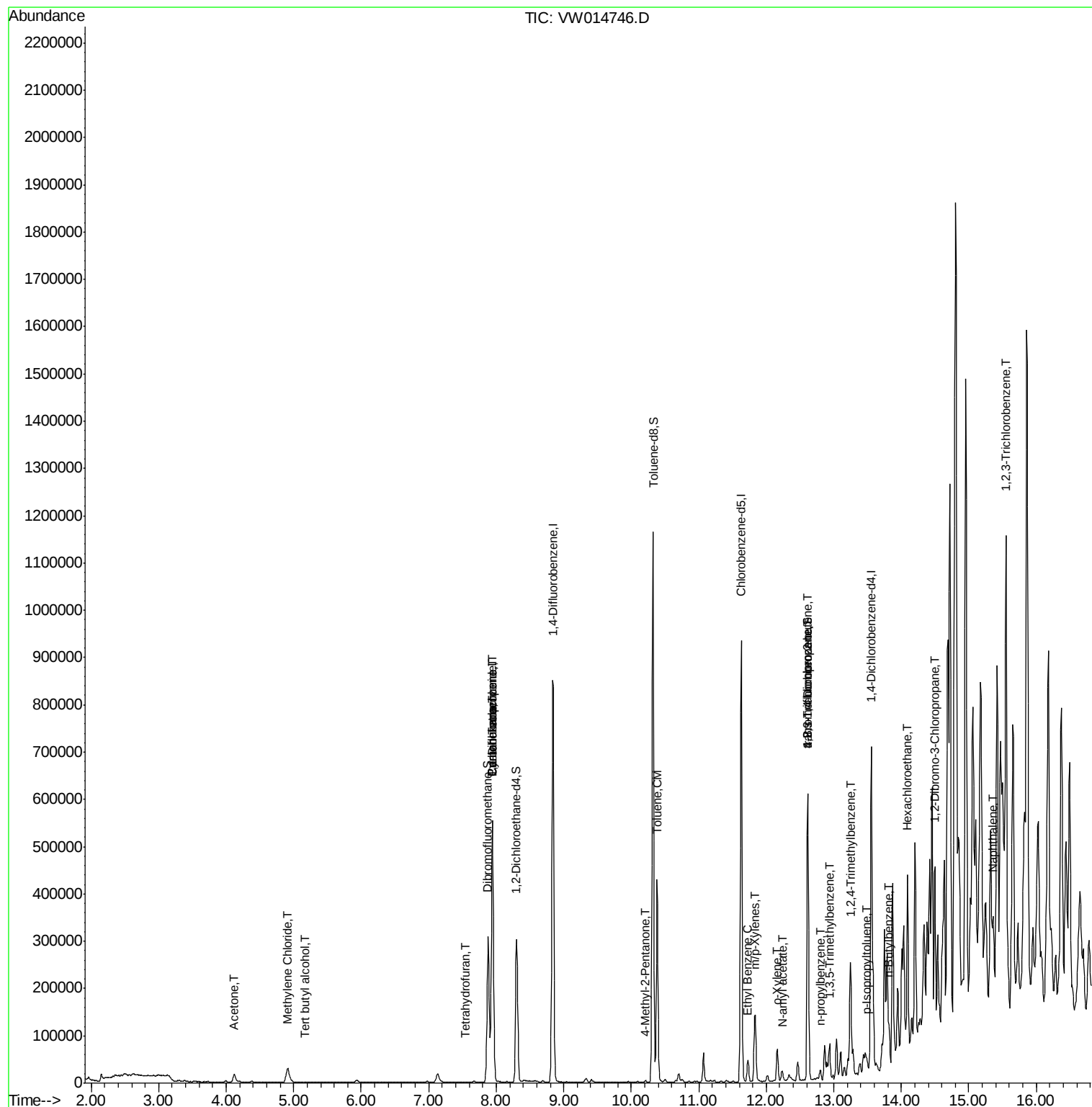
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	446	1.497	ug/l #	72
16) Acetone	4.12	43	31509	30.243	ug/l	98
20) Methylene Chloride	4.91	84	24421	1.408	ug/l	96
29) Tetrahydrofuran	7.53	42	971	1.119	ug/l #	59
31) Cyclohexane	7.95	56	9569	1.109	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	33001	4.536	ug/l #	50
38) Carbon Tetrachloride	7.94	117	40183	6.342	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	3085	1.012	ug/l	90
52) Toluene	10.38	92	185528	14.958	ug/l	100
67) Ethyl Benzene	11.73	91	30556	1.598	ug/l	97
68) m/p-Xylenes	11.84	106	44103	6.100	ug/l	100
69) o-Xylene	12.16	106	17506	2.683	ug/l	97
74) N-amyl acetate	12.23	43	14423	4.815	ug/l #	48
76) 1,2,3-Trichloropropane	12.62	75	98871	56.188	ug/l #	1
78) n-propylbenzene	12.80	91	16426	1.072	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	22832	2.134	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	98871	132.980	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.25	105	133552	12.492	ug/l	97
86) p-Isopropyltoluene	13.49	119	13137	1.113	ug/l	96
89) n-Butylbenzene	13.82	91	45133	4.007	ug/l #	78
90) Hexachloroethane	14.10	117	19085	9.110	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.50	75	610	1.640	ug/l #	24
95) Naphthalene	15.36	128	74558	13.285	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.55	180	4410	1.610	ug/l #	1

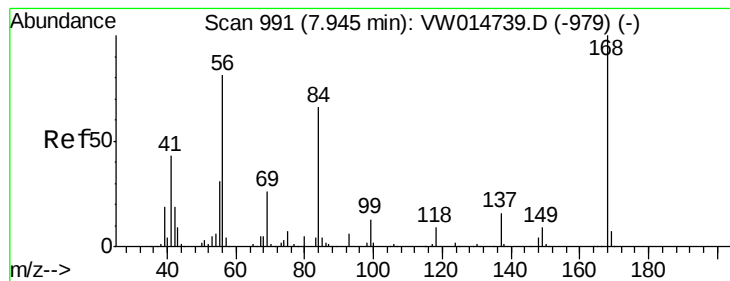
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012420\
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Quant Time: Jan 25 06:09:45 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012420S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 24 13:12:20 2020
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: VW014746.D

Acq: 24 Jan 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

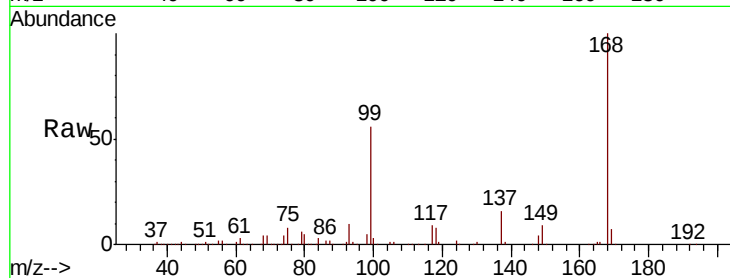
JC-03-012320-A

Tot Ion:168 Resp: 430418

Ion Ratio Lower Upper

168 100

99 55.7 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

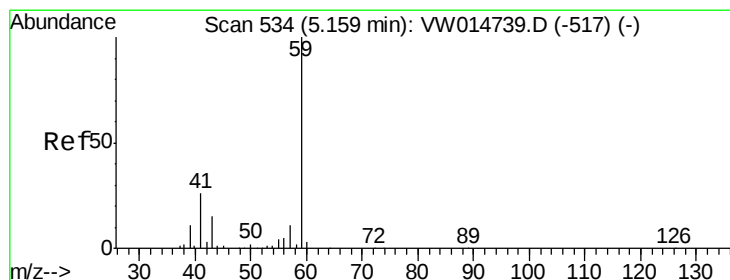
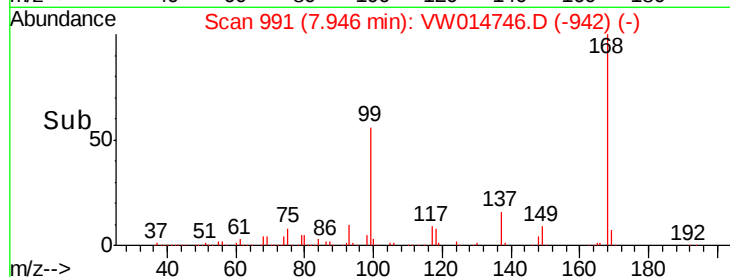
100000

50000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 1.497 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW014746.D

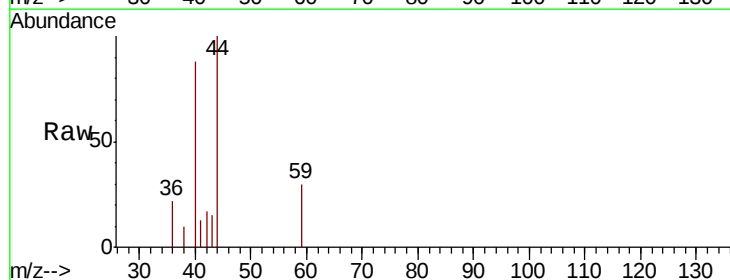
Acq: 24 Jan 2020 16:07

Tgt Ion: 59 Resp: 446

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

300

250

200

150

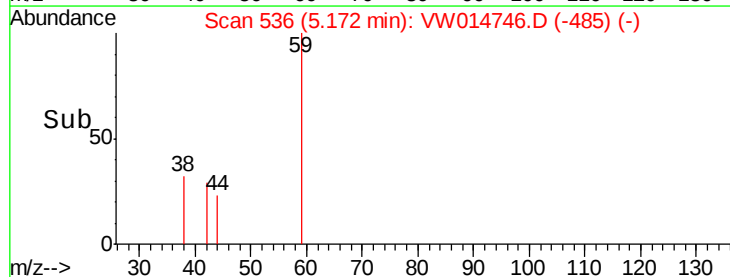
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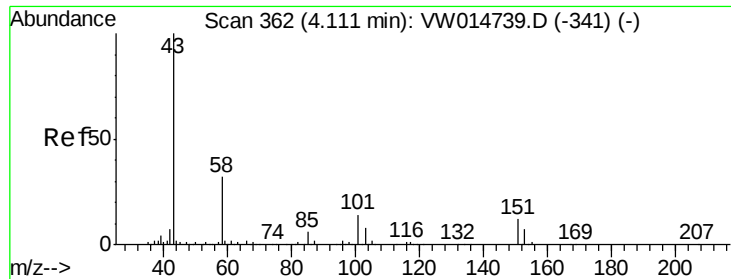
50

0

5.15 5.20

Time-->

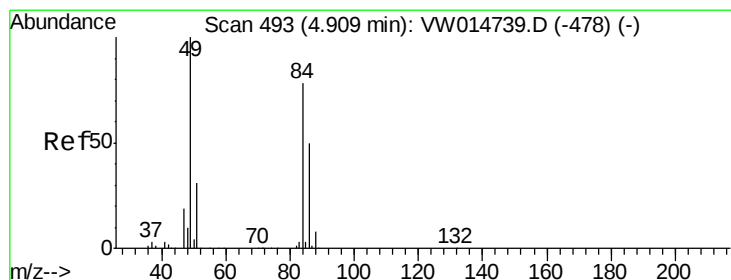
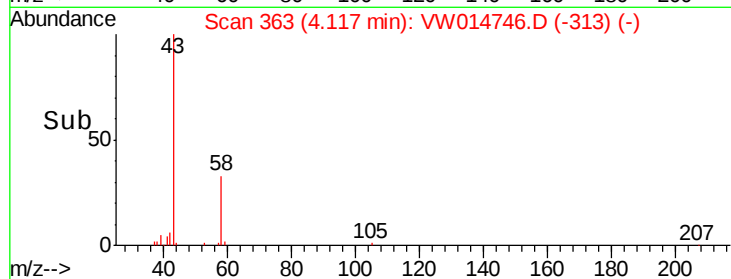
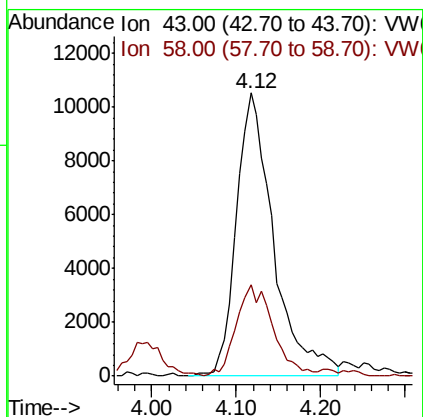
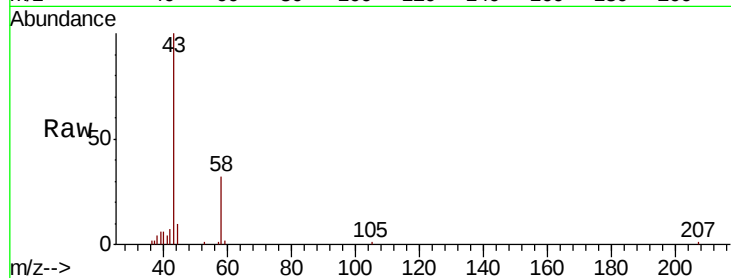




#16
Acetone
Concen: 30.243 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.01 min
Lab File: VW014746.D
Acq: 24 Jan 2020 16:07

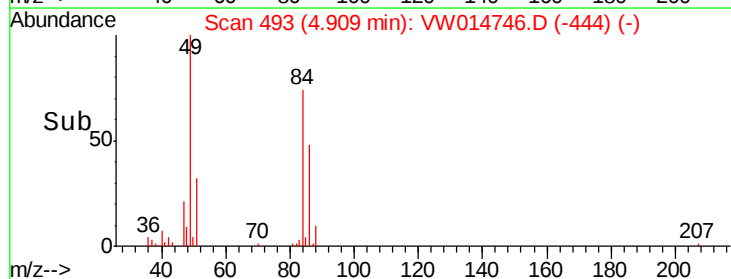
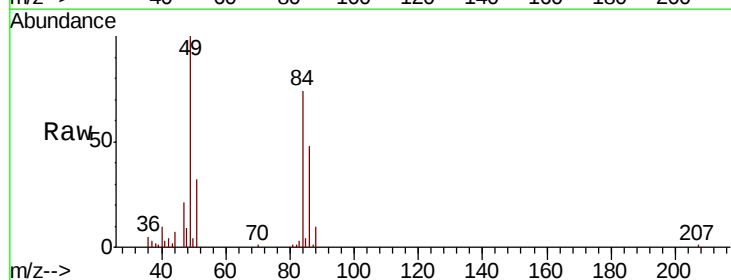
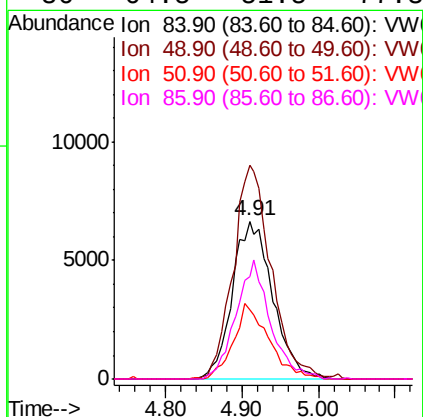
Instrument :
MSVOA_W
ClientSampleId :
JC-03-012320-A

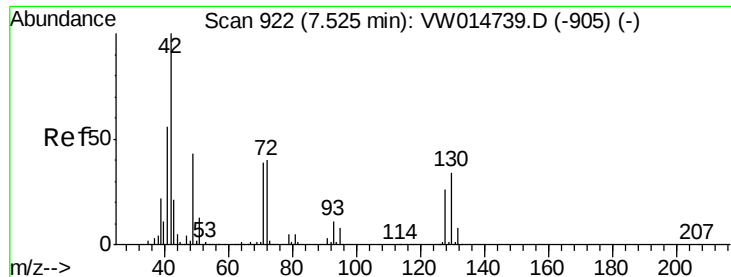
Tot Ion: 43 Resp: 31509
Ion Ratio Lower Upper
43 100
58 31.1 25.6 38.4



#20
Methylene Chloride
Concen: 1.408 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014746.D
Acq: 24 Jan 2020 16:07

Tgt Ion: 84 Resp: 24421
Ion Ratio Lower Upper
84 100
49 135.2 103.1 154.7
51 43.6 32.1 48.1
86 64.5 51.5 77.3

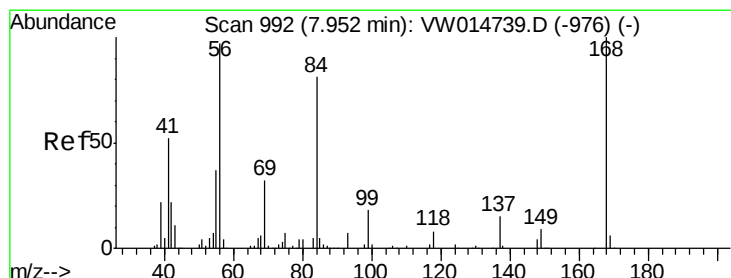
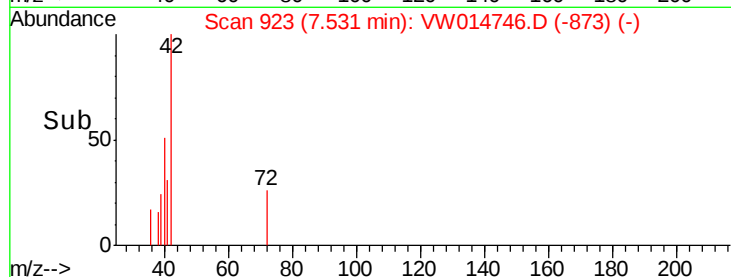
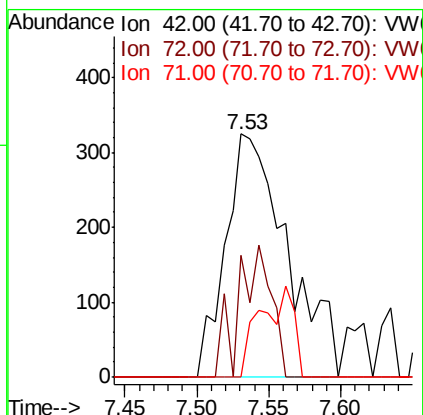
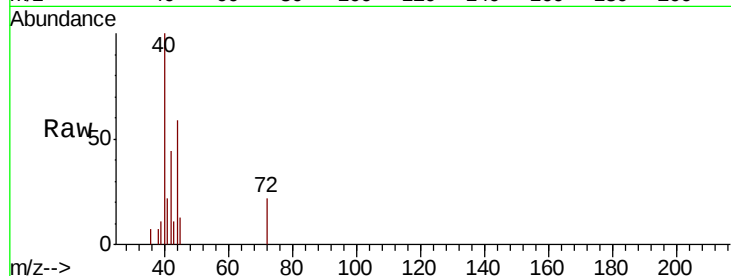




#29
Tetrahydrofuran
Concen: 1.119 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW014746.D
Acq: 24 Jan 2020 16:07

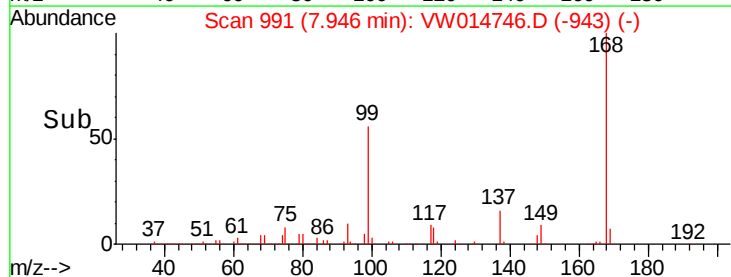
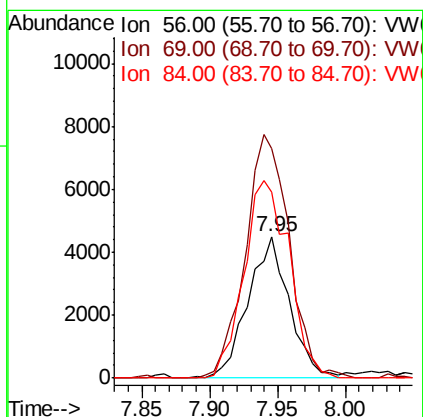
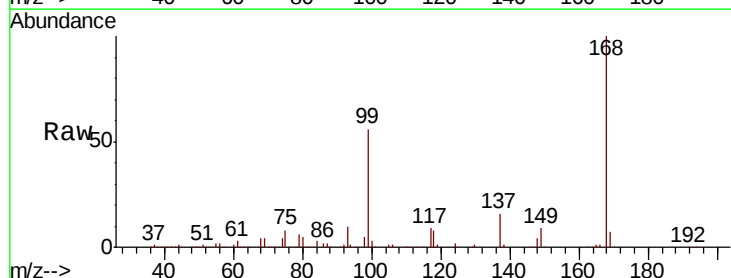
Instrument :
MSVOA_W
ClientSampleId :
JC-03-012320-A

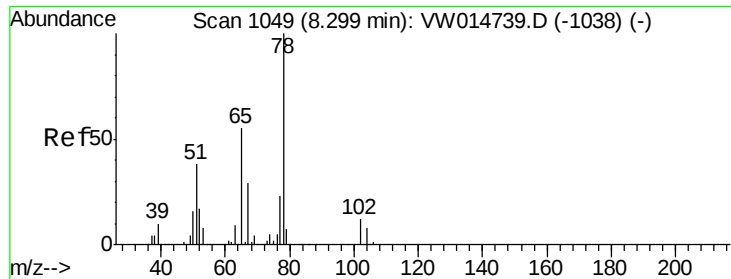
Tot Ion: 42 Resp: 971
Ion Ratio Lower Upper
42 100
72 28.7 32.3 48.5#
71 0.0 31.0 46.4#



#31
Cyclohexane
Concen: 1.109 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW014746.D
Acq: 24 Jan 2020 16:07

Tgt Ion: 56 Resp: 9569
Ion Ratio Lower Upper
56 100
69 162.5 26.0 39.0#
84 131.0 66.6 99.8#

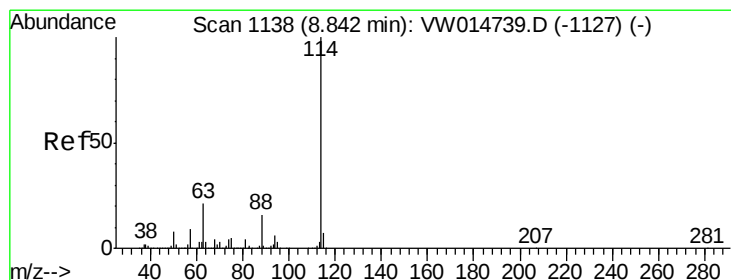
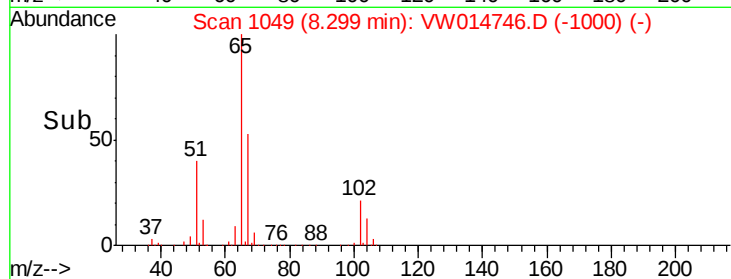
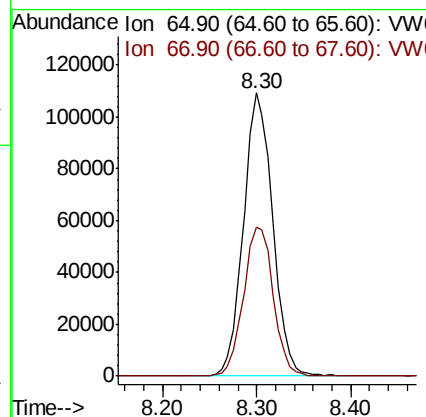
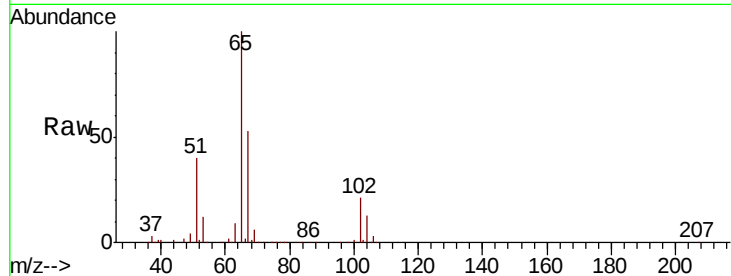




#33
 1,2-Dichloroethane-d4
 Concen: 57.150 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VW014746.D
 Acq: 24 Jan 2020 16:07

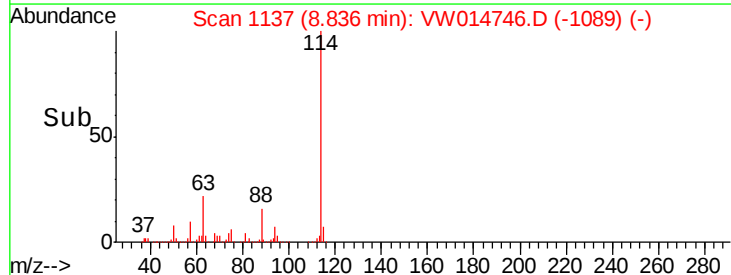
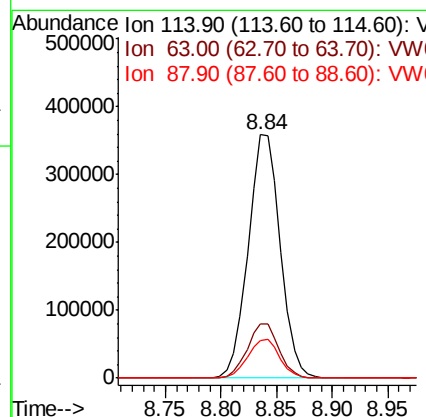
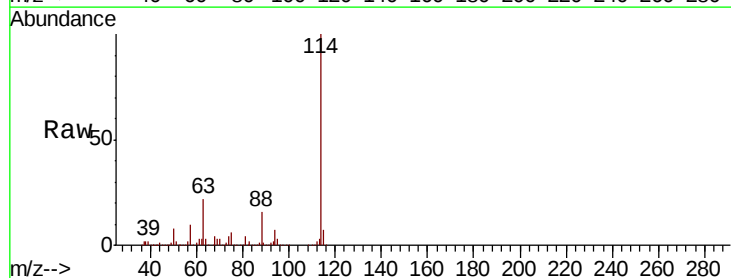
Instrument :
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 ClientSampleId :
 JC-03-012320-A

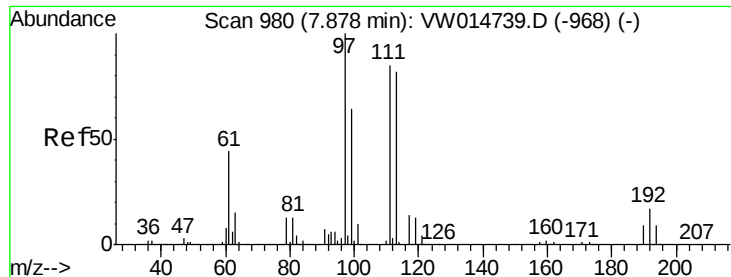
Tot Ion: 65 Resp: 236915
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW014746.D
 Acq: 24 Jan 2020 16:07

Tgt Ion: 114 Resp: 717440
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 41.2
 88 15.5 0.0 32.2

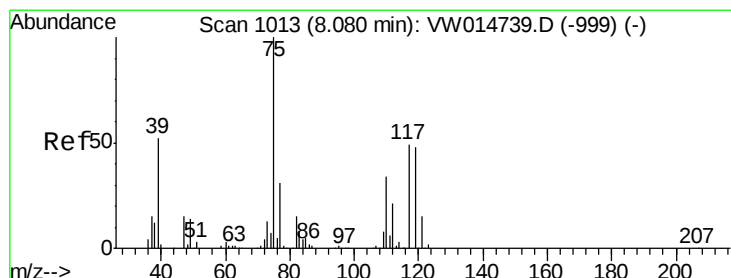
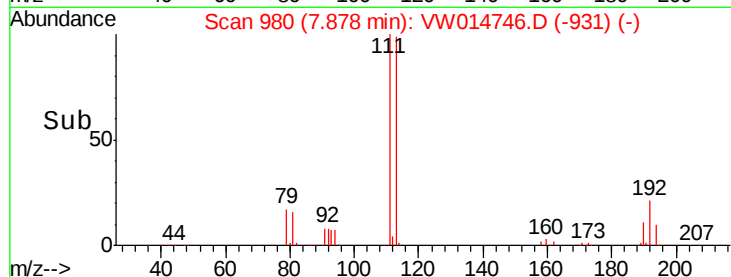
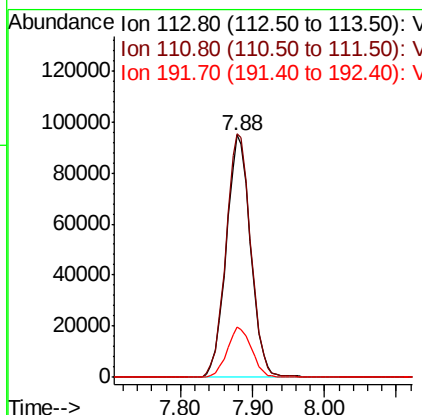
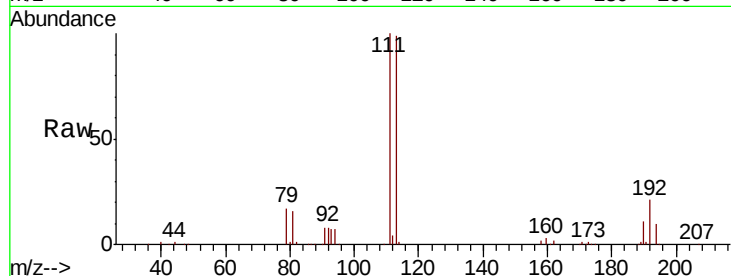




#35
 Dibromofluoromethane
 Concen: 53.286 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW014746.D
 Acq: 24 Jan 2020 16:07

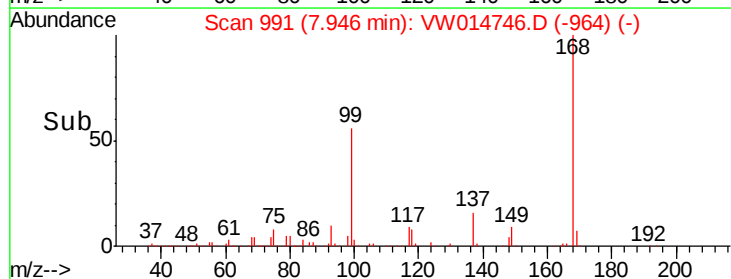
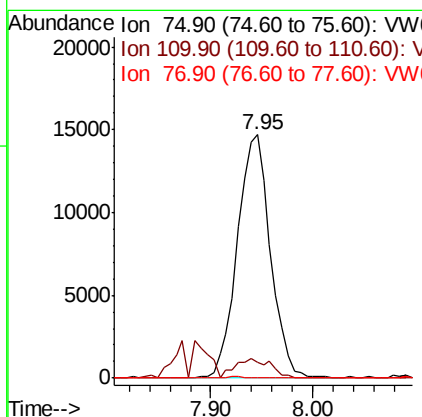
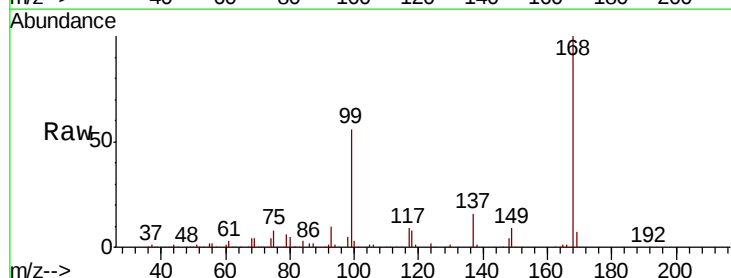
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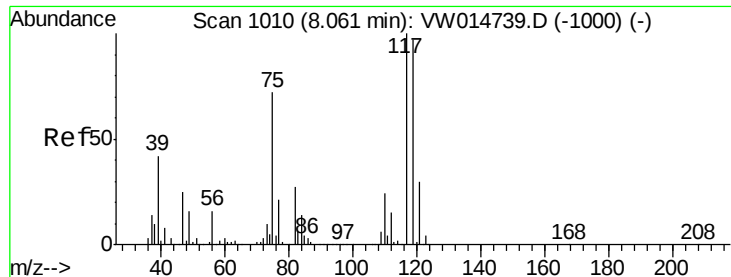
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.2
192	20.8	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 4.536 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW014746.D
 Acq: 24 Jan 2020 16:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.1	51.2#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.342 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.12 min

Lab File: VW014746.D

Acq: 24 Jan 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

JC-03-012320-A

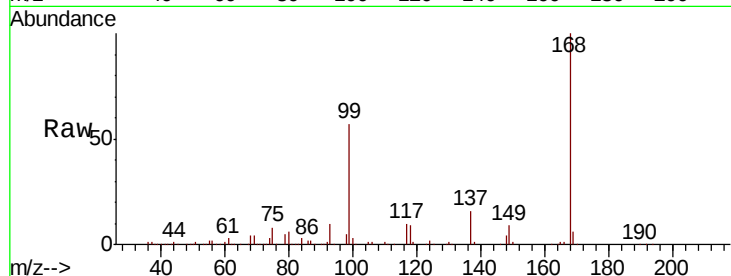
Tot Ion:117 Resp: 40183

Ion Ratio Lower Upper

117 100

119 6.4 77.5 116.3#

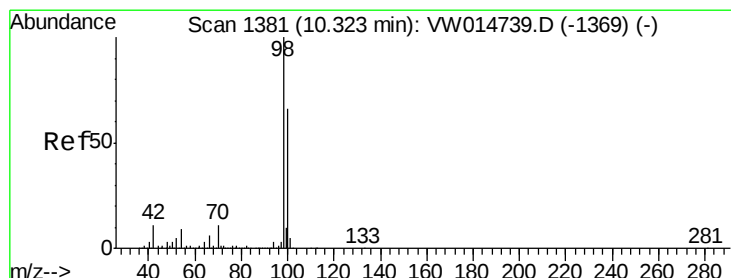
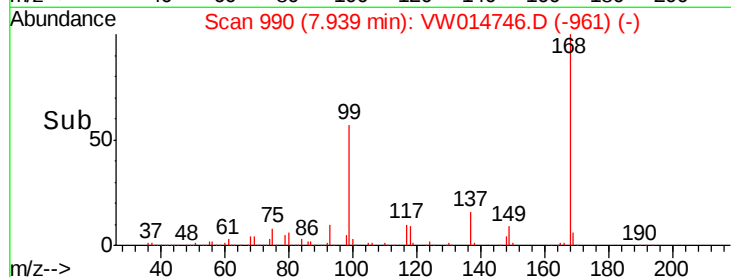
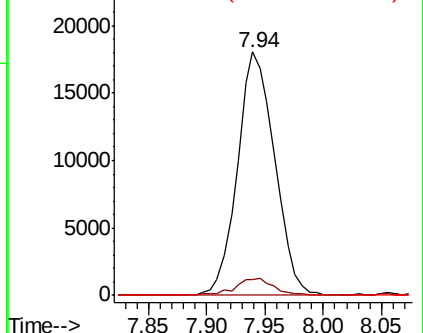
121 0.0 24.3 36.5#



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: 45.125 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014746.D

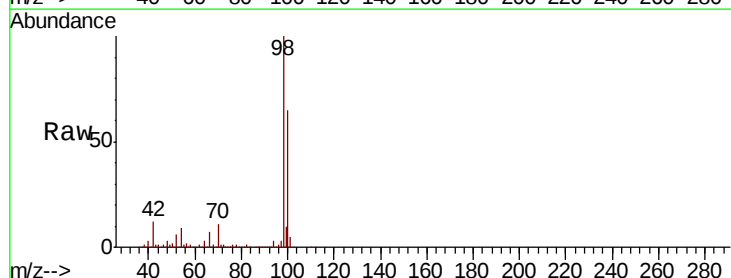
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Tgt Ion: 98 Resp: 777069

Ion Ratio Lower Upper

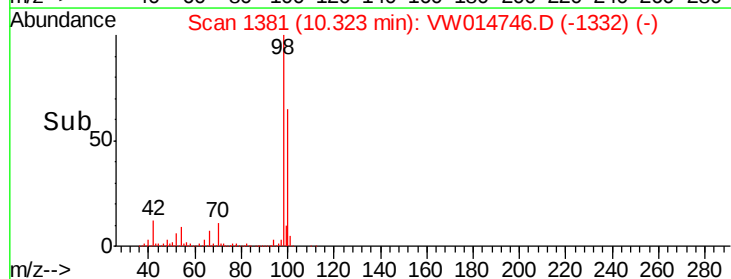
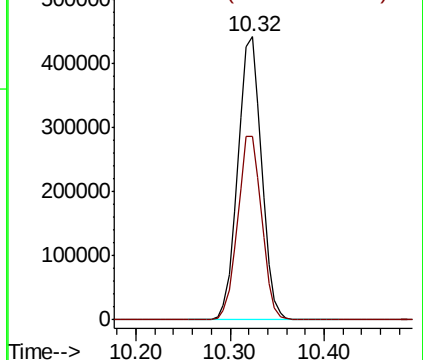
98 100

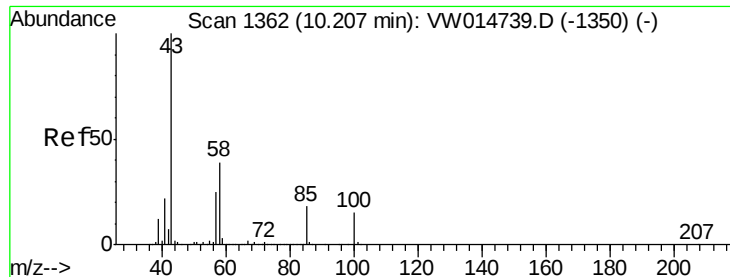
100 65.5 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.012 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014746.D

Acq: 24 Jan 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

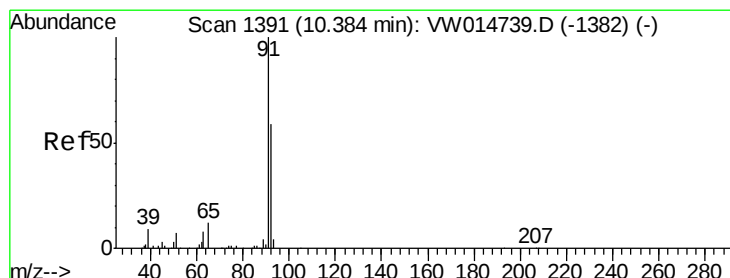
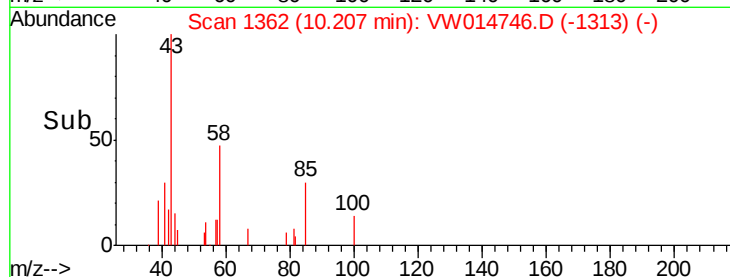
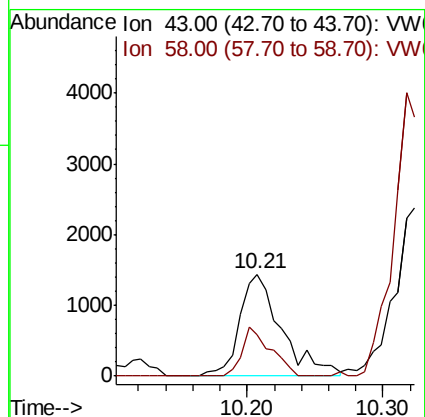
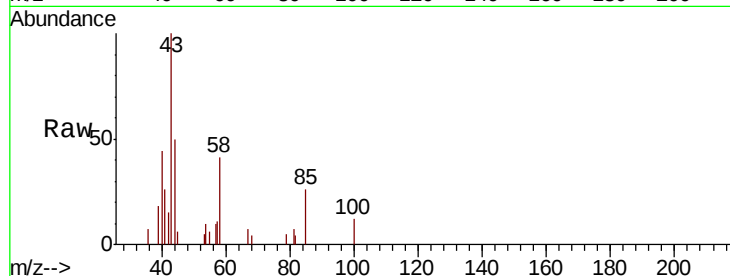
JC-03-012320-A

Tot Ion: 43 Resp: 3085

Ion Ratio Lower Upper

43 100

58 32.9 31.4 47.0



#52

Toluene

Concen: 14.958 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014746.D

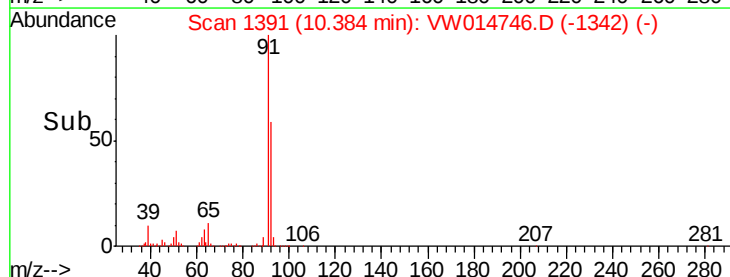
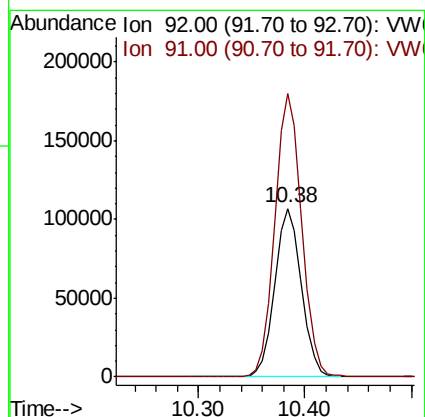
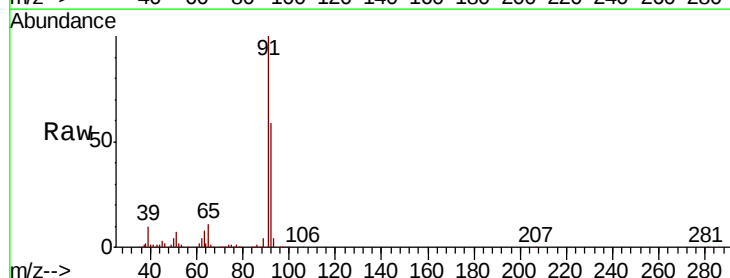
Acq: 24 Jan 2020 16:07

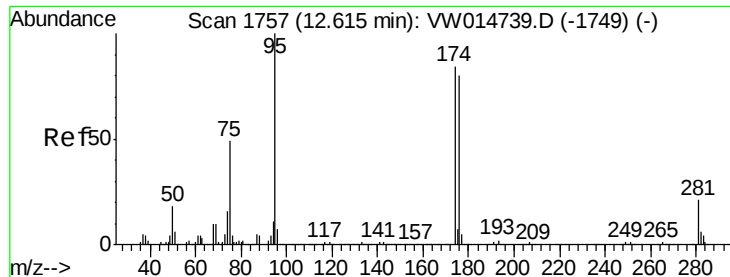
Tgt Ion: 92 Resp: 185528

Ion Ratio Lower Upper

92 100

91 170.1 135.8 203.8

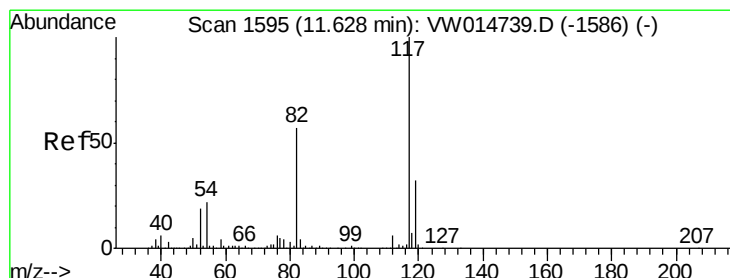
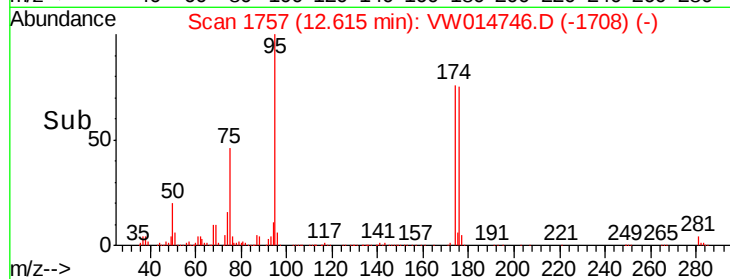
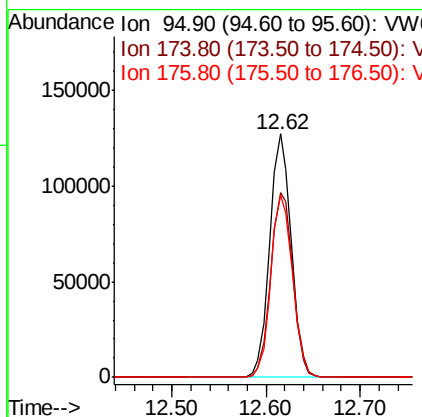
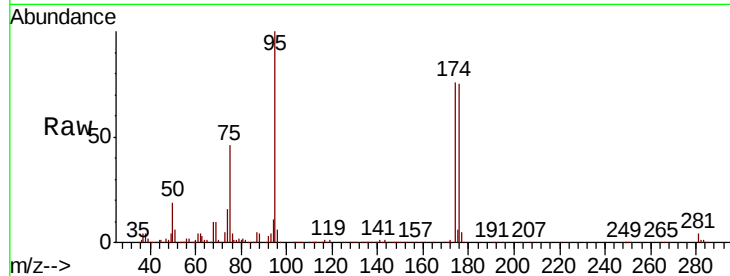




#62
4-Bromofluorobenzene
Concen: 35.408 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW014746.D
Acq: 24 Jan 2020 16:07

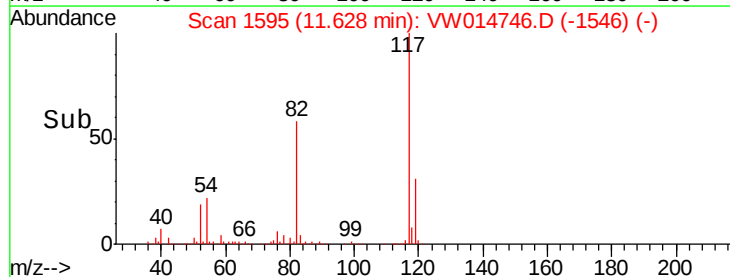
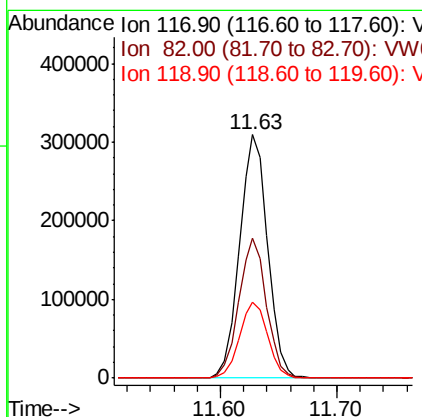
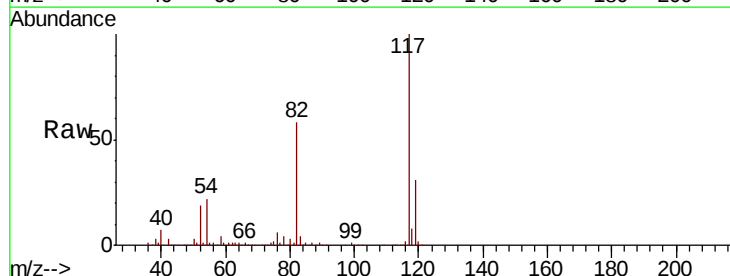
Instrument :
MSVOA_W
ClientSampleId :
JC-03-012320-A

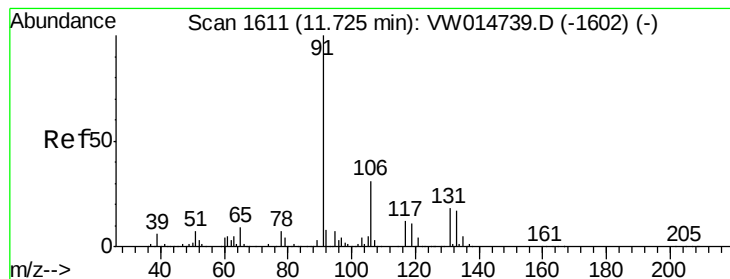
Tot Ion: 95 Resp: 203861
Ion Ratio Lower Upper
95 100
174 78.9 0.0 163.0
176 75.4 0.0 159.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014746.D
Acq: 24 Jan 2020 16:07

Tgt Ion: 117 Resp: 518885
Ion Ratio Lower Upper
117 100
82 57.6 45.9 68.9
119 31.3 25.7 38.5





#67

Ethyl Benzene

Concen: 1.598 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. 0.00 min

Lab File: VW014746.D

Acq: 24 Jan 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

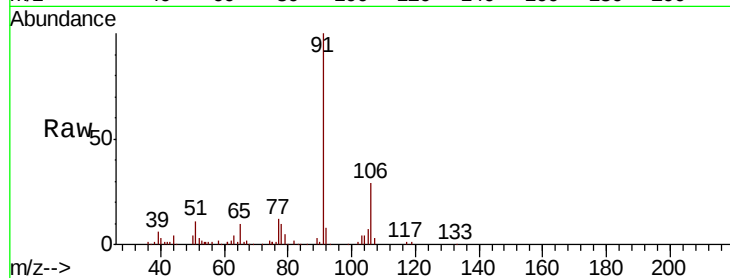
JC-03-012320-A

Tot Ion: 91 Resp: 30556

Ion Ratio Lower Upper

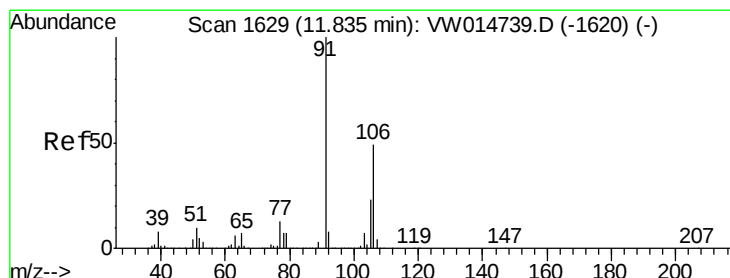
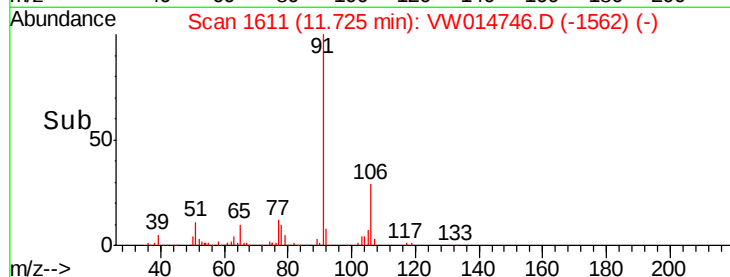
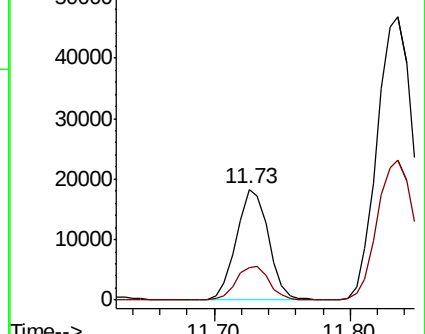
91 100

106 28.9 24.5 36.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 6.100 ug/l

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014746.D

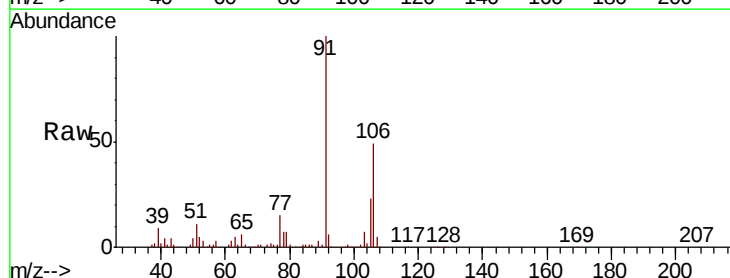
Acq: 24 Jan 2020 16:07

Tgt Ion: 106 Resp: 44103

Ion Ratio Lower Upper

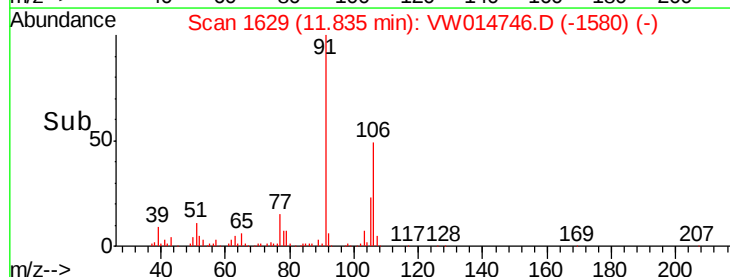
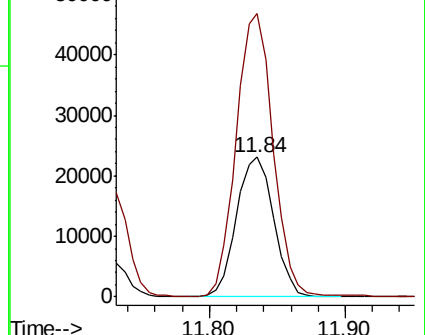
106 100

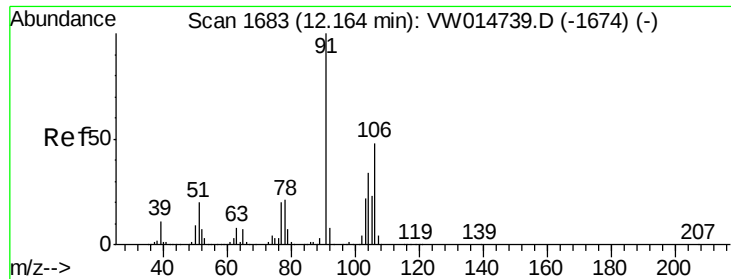
91 201.9 161.4 242.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

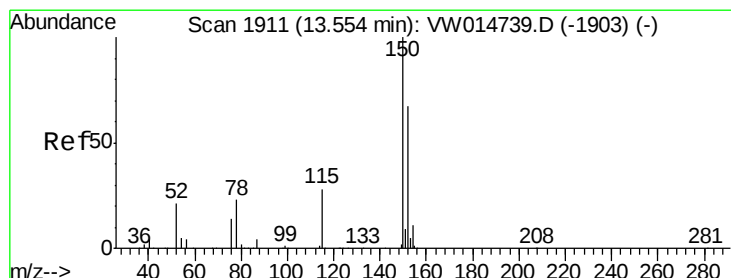
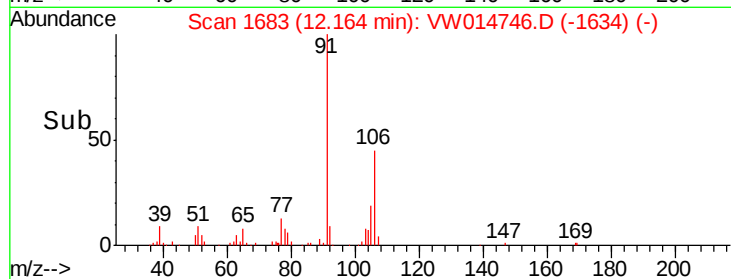
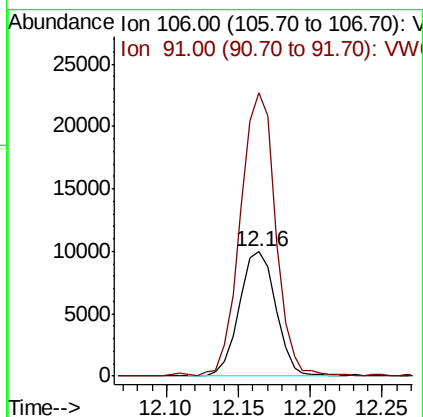
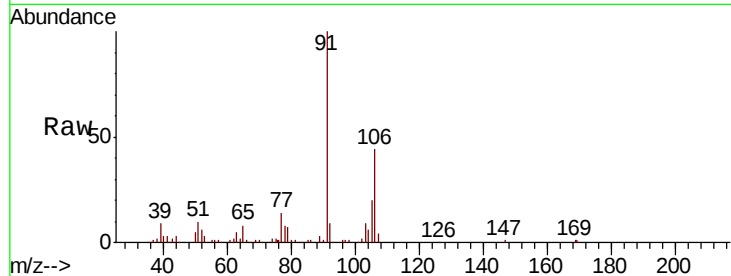




#69
o-Xylene
Concen: 2.683 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014746.D
Acq: 24 Jan 2020 16:07

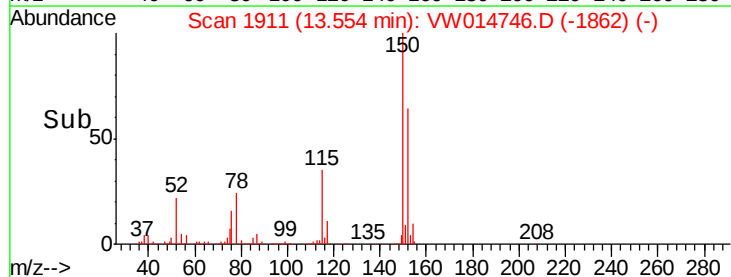
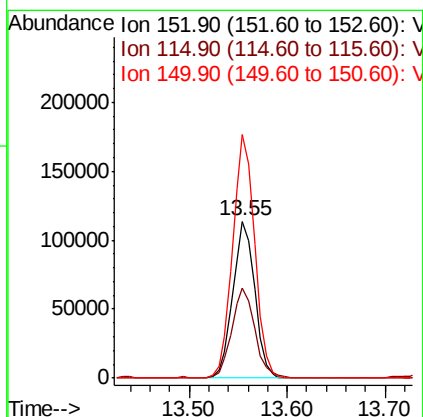
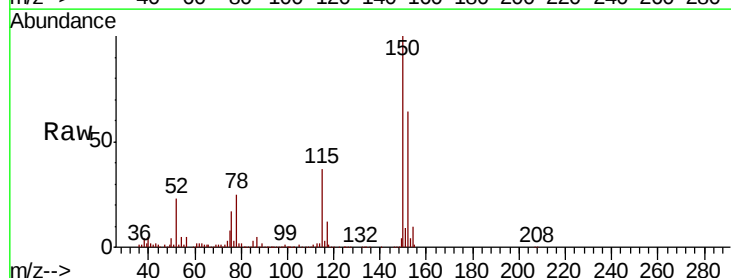
Instrument :
MSVOA_W
ClientSampleId :
JC-03-012320-A

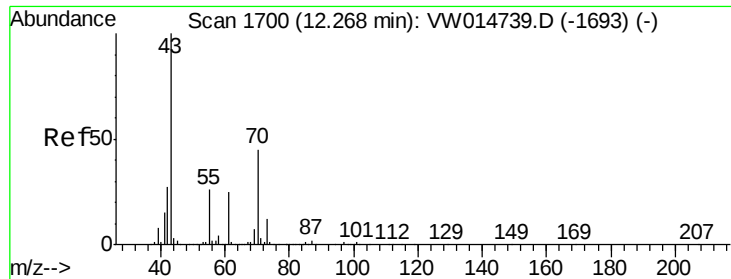
Tot Ion:106 Resp: 17506
Ion Ratio Lower Upper
106 100
91 219.7 107.1 321.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW014746.D
Acq: 24 Jan 2020 16:07

Tgt Ion:152 Resp: 177233
Ion Ratio Lower Upper
152 100
115 60.0 29.0 87.1
150 155.4 0.0 354.0





#74

N-amvl acetate

Concen: 4.815 ug/l

RT: 12.23 min Scan# 1694

Delta R.T. -0.04 min

Lab File: VW014746.D

Acq: 24 Jan 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

JC-03-012320-A

Tot Ion: 43 Resp: 14423

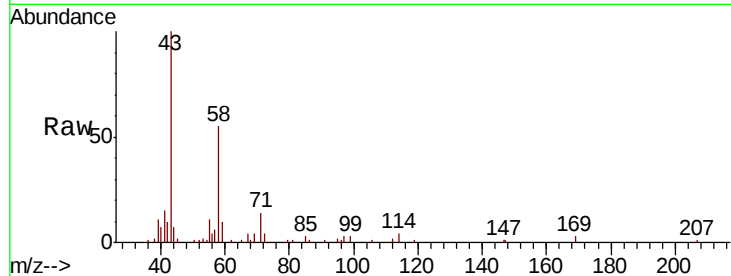
Ion Ratio Lower Upper

43 100

70 1.1 34.6 52.0#

55 9.1 20.6 30.8#

61 0.0 19.4 29.2#

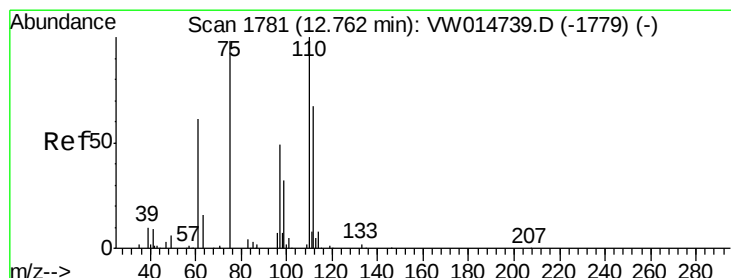
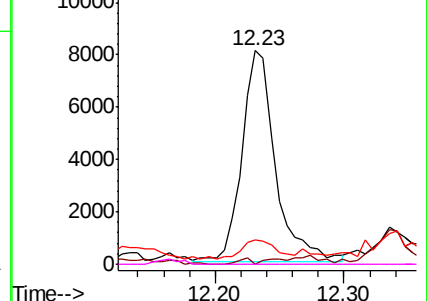
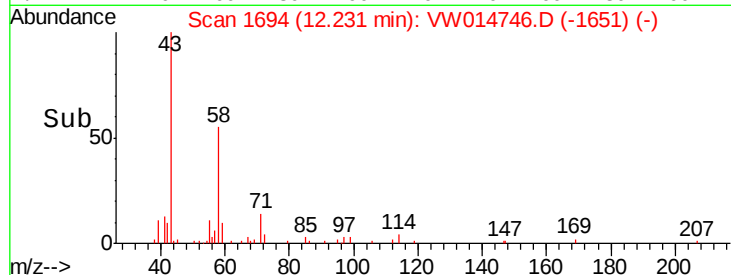


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 56.188 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014746.D

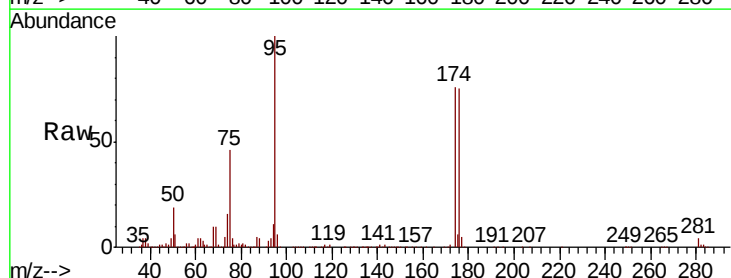
Acq: 24 Jan 2020 16:07

Tgt Ion: 75 Resp: 98871

Ion Ratio Lower Upper

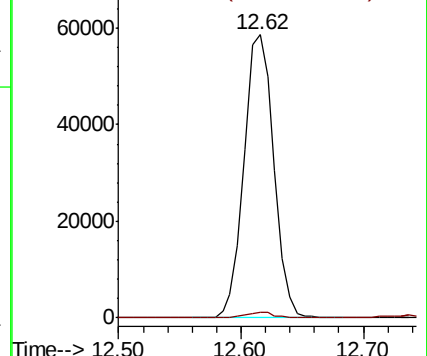
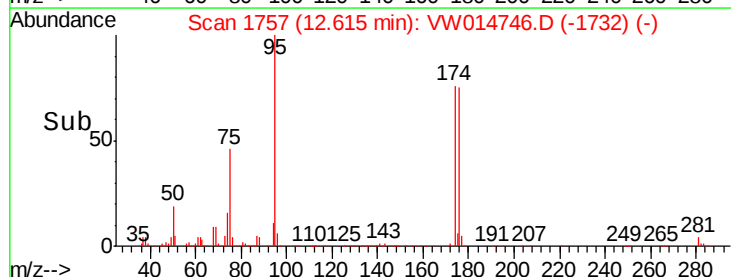
75 100

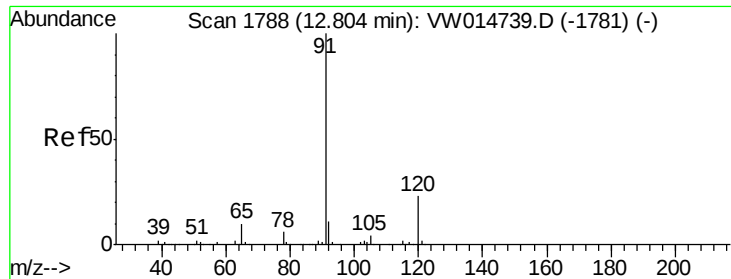
77 1.7 167.9 503.9#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

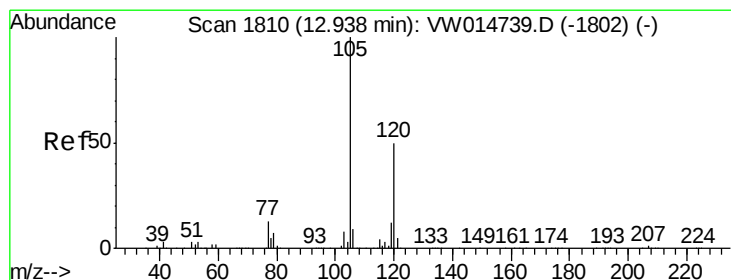
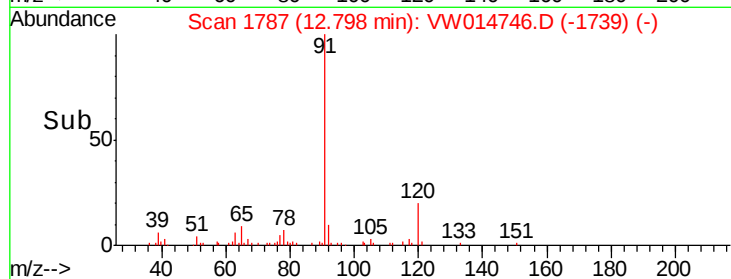
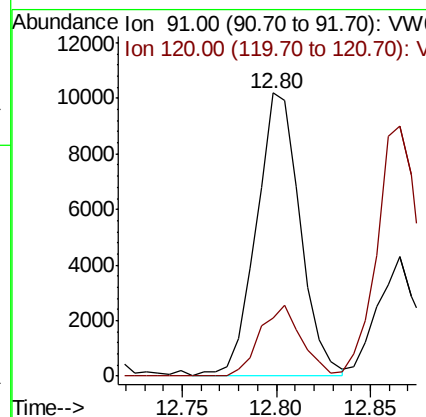
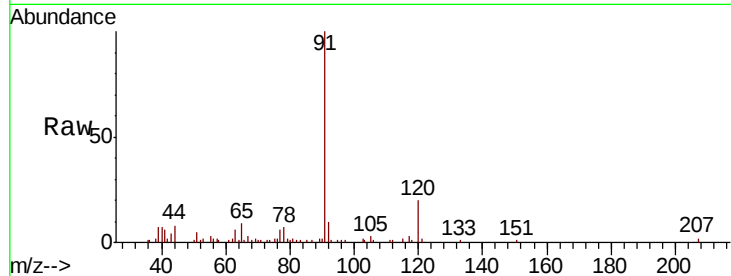




#78
n-propylbenzene
Concen: 1.072 ug/l
RT: 12.80 min Scan# 1787
Delta R.T. -0.01 min
Lab File: VW014746.D
Acq: 24 Jan 2020 16:07

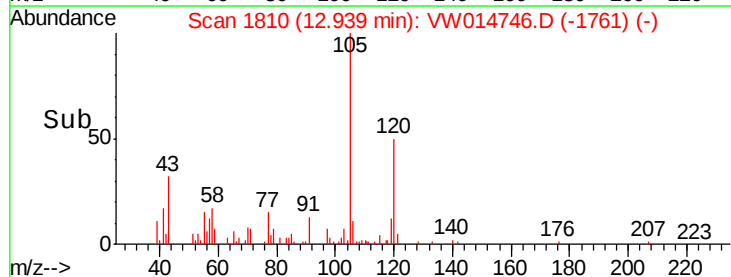
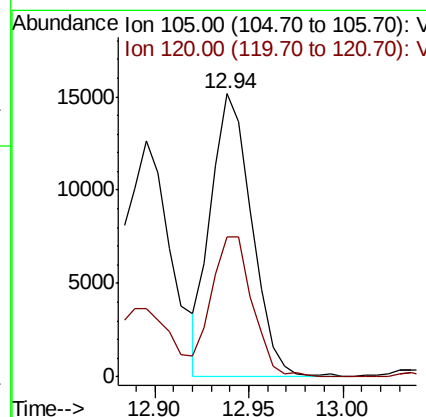
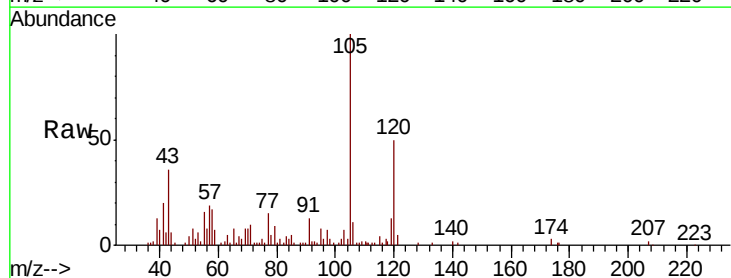
Instrument :
MSVOA_W
ClientSampleId :
JC-03-012320-A

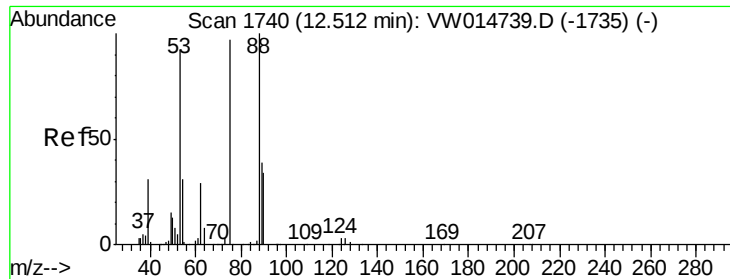
Tot Ion: 91 Resp: 16426
Ion Ratio Lower Upper
91 100
120 23.6 11.3 33.9



#80
1,3,5-Trimethylbenzene
Concen: 2.134 ug/l
RT: 12.94 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW014746.D
Acq: 24 Jan 2020 16:07

Tgt Ion: 105 Resp: 22832
Ion Ratio Lower Upper
105 100
120 49.3 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 132.980 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014746.D

Acq: 24 Jan 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

JC-03-012320-A

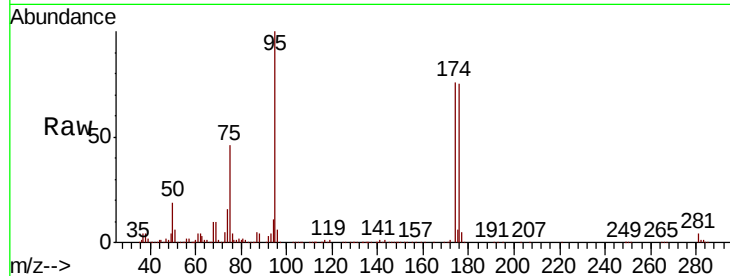
Tot Ion: 75 Resp: 98871

Ion Ratio Lower Upper

75 100

53 0.3 77.0 115.4#

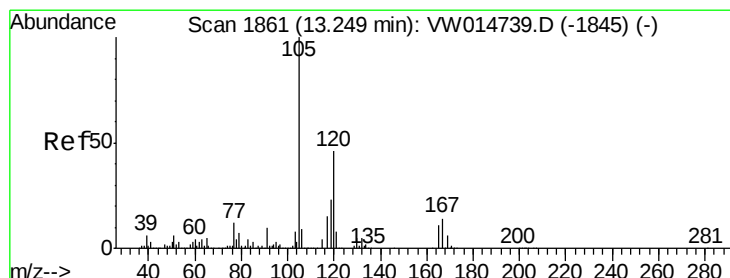
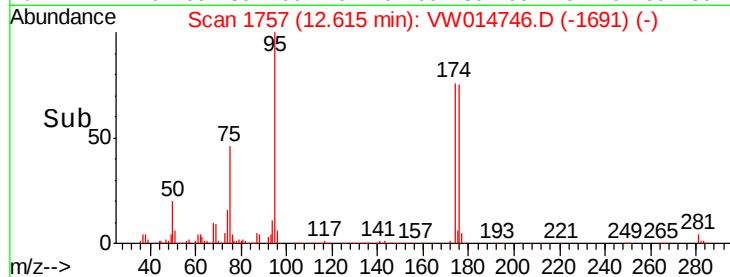
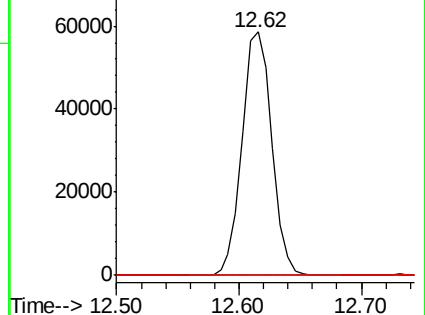
89 0.0 35.2 52.8#



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



#84

1,2,4-Trimethylbenzene

Concen: 12.492 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW014746.D

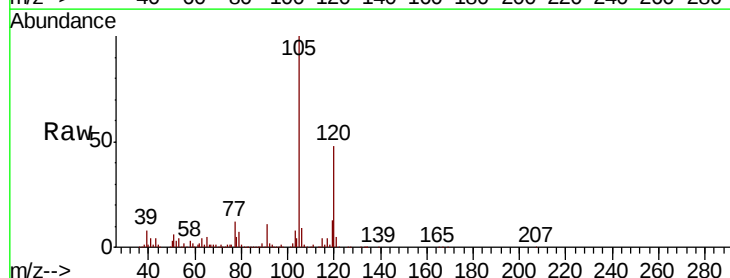
Acq: 24 Jan 2020 16:07

Tgt Ion:105 Resp: 133552

Ion Ratio Lower Upper

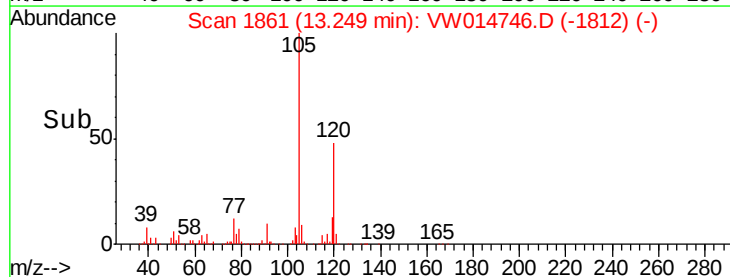
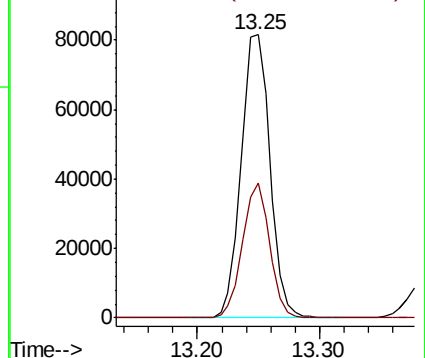
105 100

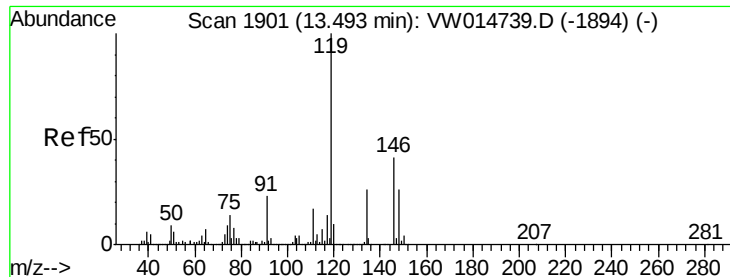
120 44.7 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

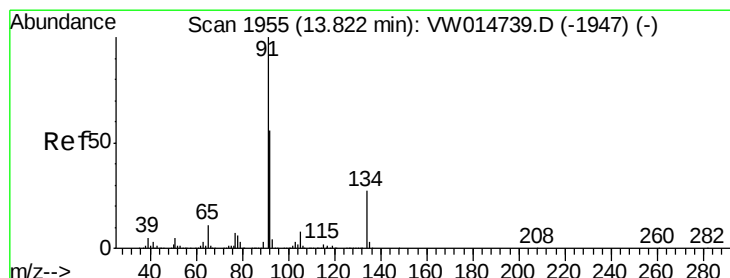
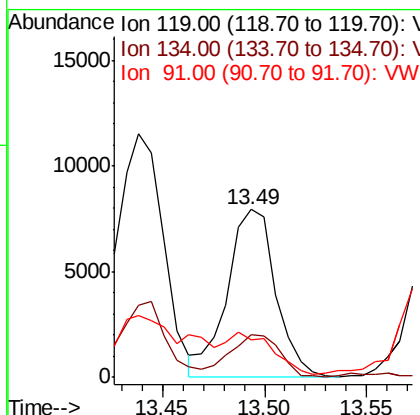
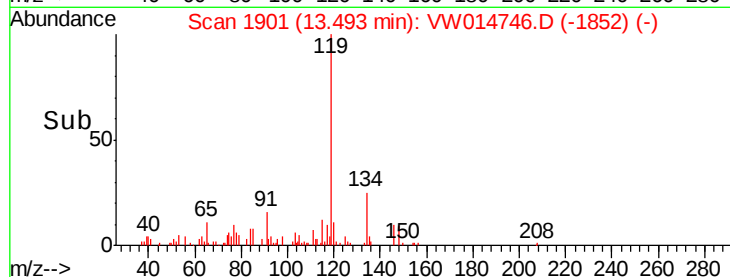
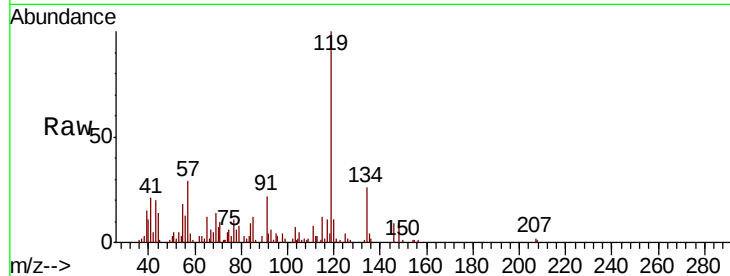




#86
p-Isopropyltoluene
Concen: 1.113 ug/l
RT: 13.49 min Scan# 1901
Delta R.T. 0.00 min
Lab File: VW014746.D
Acq: 24 Jan 2020 16:07

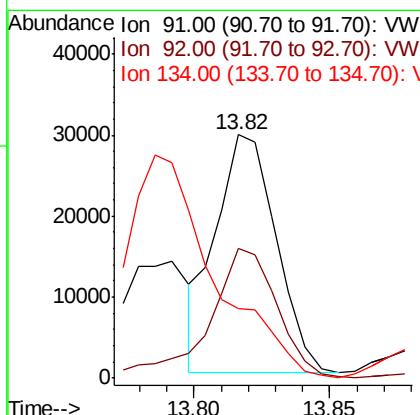
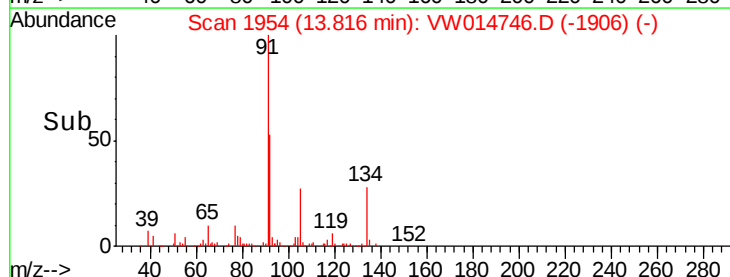
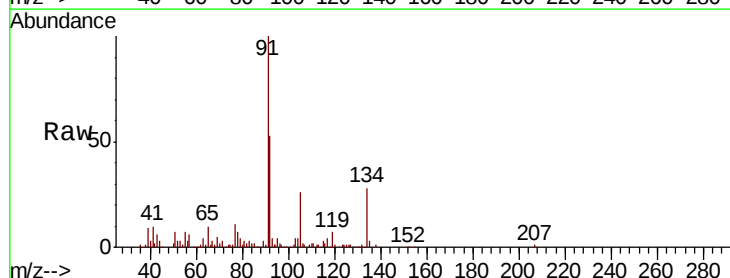
Instrument :
MSVOA_W
ClientSampled :
JC-03-012320-A

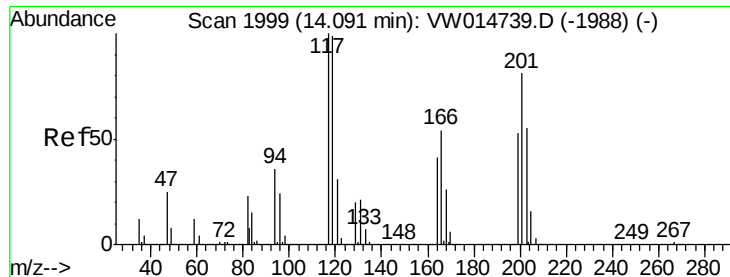
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.0	38.9
91	19.5	11.4	34.2



#89
n-Butylbenzene
Concen: 4.007 ug/l
RT: 13.82 min Scan# 1954
Delta R.T. -0.01 min
Lab File: VW014746.D
Acq: 24 Jan 2020 16:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.3	27.5	82.4
134	0.0	13.1	39.1#





#90

Hexachloroethane

Concen: 9.110 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.01 min

Lab File: VW014746.D

Acq: 24 Jan 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

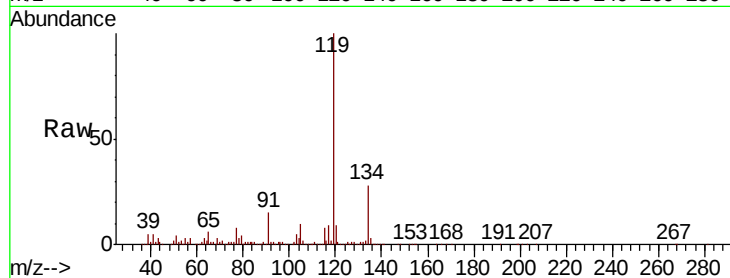
JC-03-012320-A

Tot Ion:117 Resp: 19085

Ion Ratio Lower Upper

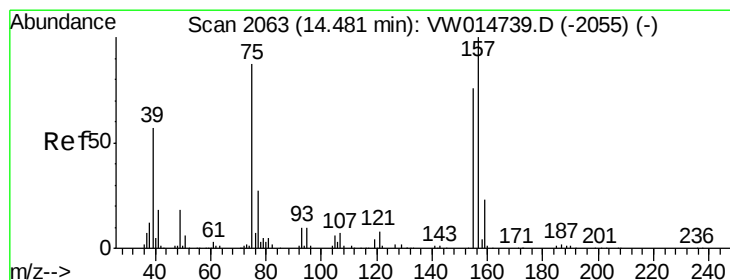
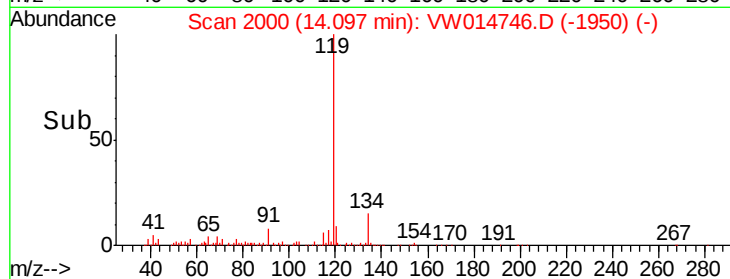
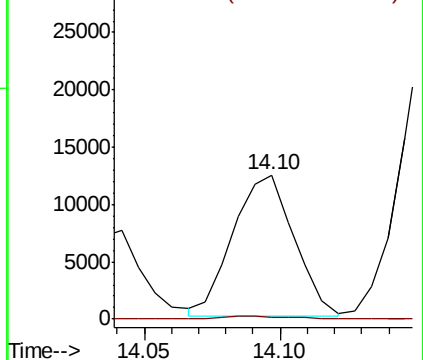
117 100

201 2.2 41.6 124.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.640 ug/l

RT: 14.50 min Scan# 2066

Delta R.T. 0.02 min

Lab File: VW014746.D

Acq: 24 Jan 2020 16:07

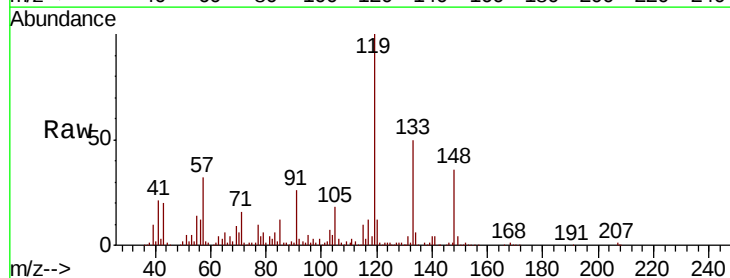
Tgt Ion: 75 Resp: 610

Ion Ratio Lower Upper

75 100

155 48.9 42.5 127.5

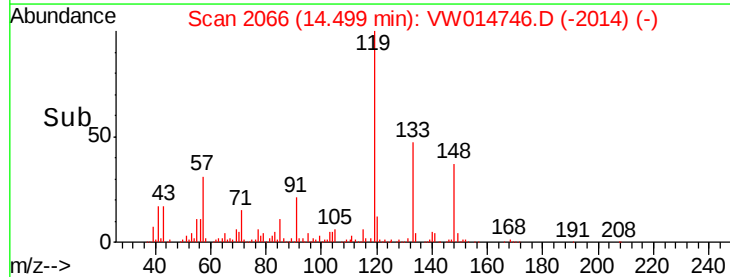
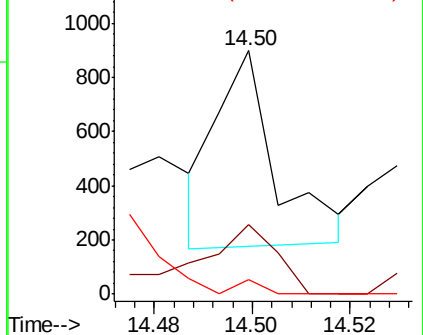
157 0.0 54.8 164.4#

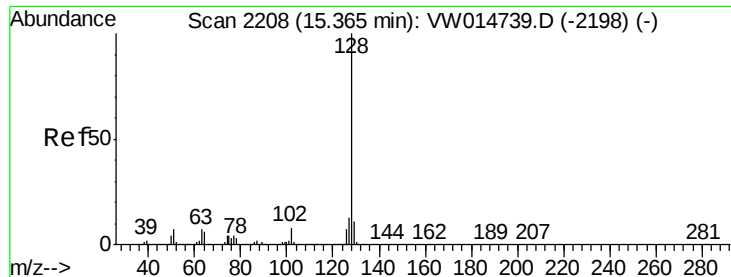


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 13.285 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014746.D

Acq: 24 Jan 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

JC-03-012320-A

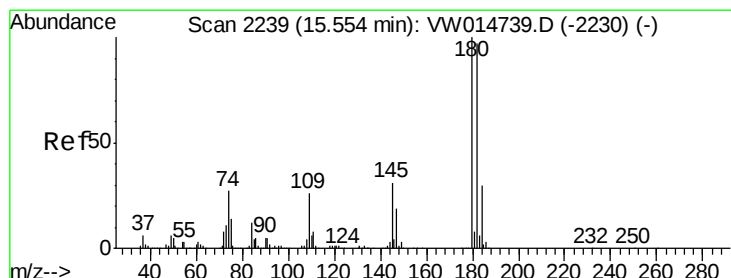
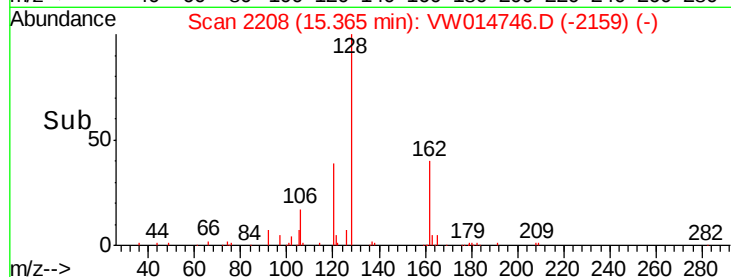
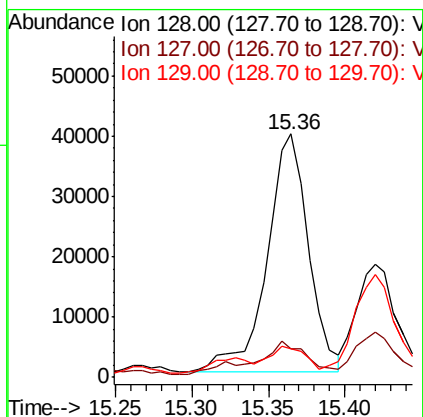
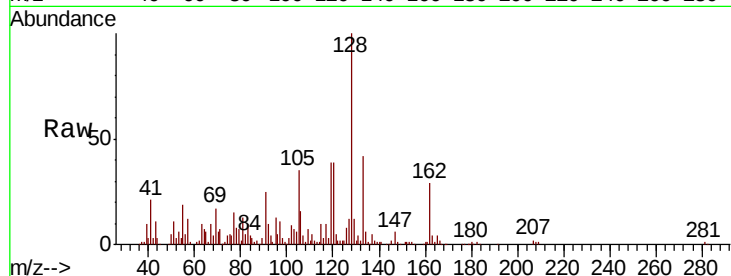
Tot Ion:128 Resp: 74558

Ion Ratio Lower Upper

128 100

127 12.8 10.6 15.8

129 7.6 8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 1.610 ug/l

RT: 15.55 min Scan# 2238

Delta R.T. -0.01 min

Lab File: VW014746.D

Acq: 24 Jan 2020 16:07

Tgt Ion:180 Resp: 4410

Ion Ratio Lower Upper

180 100

182 92.5 47.2 141.6

145 917.5 15.4 46.4#

