

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011320\
 Data File : VY001178.D
 Acq On : 13 Jan 2020 14:10
 Operator : SY/MD
 Sample : L1014-01
 Misc : 7.86G/5ML/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-03-011020

Quant Time: Jan 14 10:12:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

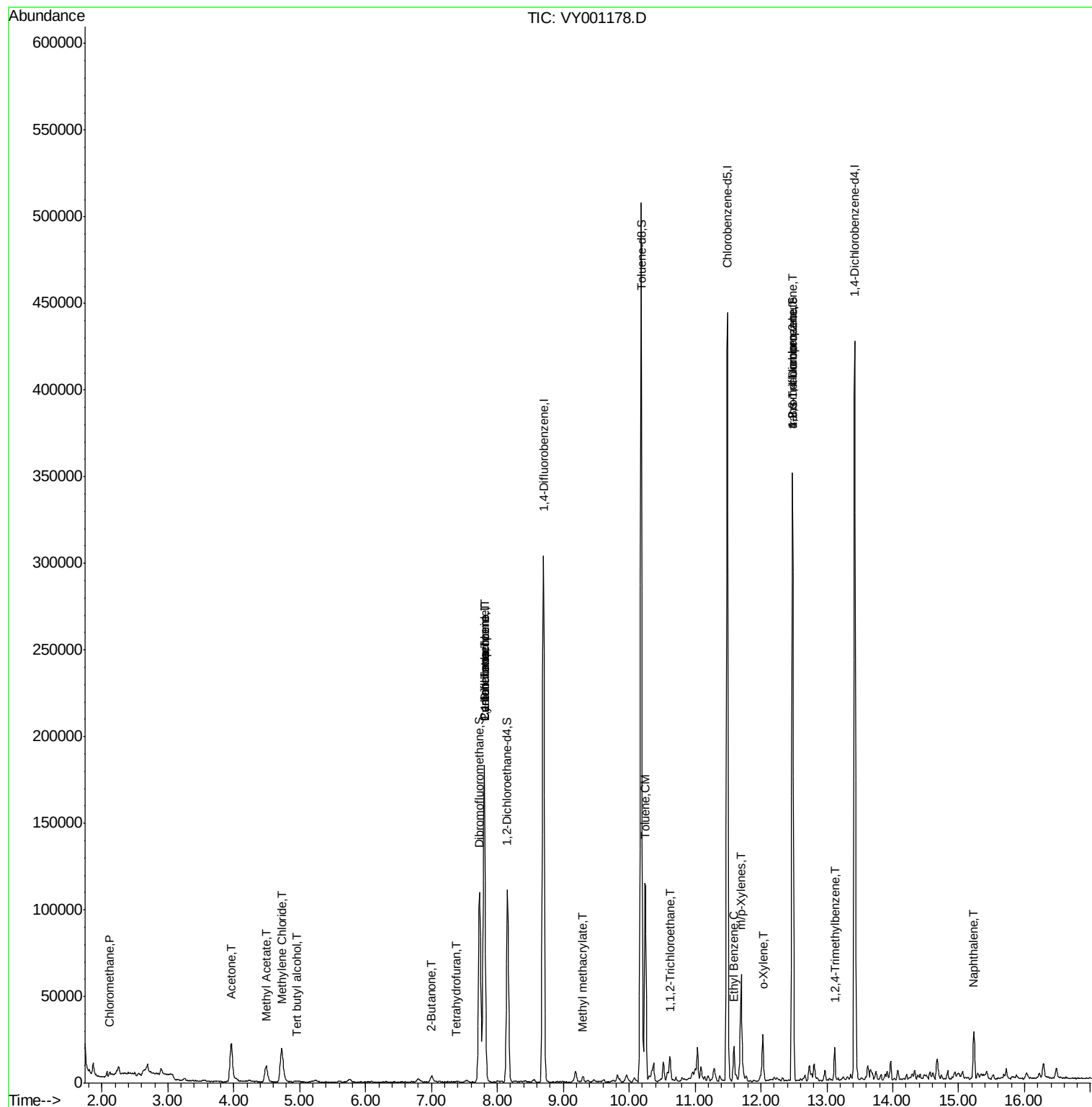
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	146373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	269381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	242038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	105380	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	83676	54.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.26%	
35) Dibromofluoromethane	7.73	113	79902	50.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.32%	
50) Toluene-d8	10.18	98	319314	52.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.08%	
62) 4-Bromofluorobenzene	12.48	95	114396	46.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.08%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.12	50	1746	1.078	ug/l	99
11) Tert butyl alcohol	4.95	59	700	4.500	ug/l	97
16) Acetone	3.96	43	38530	107.315	ug/l	98
18) Methyl Acetate	4.49	43	19216	16.188	ug/l	98
20) Methylene Chloride	4.73	84	15408	4.143	ug/l	94
25) 2-Butanone	7.01	43	1330	2.380	ug/l	97
29) Tetrahydrofuran	7.38	42	436	1.139	ug/l #	52
31) Cyclohexane	7.80	56	4350	1.455	ug/l #	17
36) 1,1-Dichloropropene	7.80	75	11000	4.480	ug/l #	48
38) Carbon Tetrachloride	7.80	117	13894	6.175	ug/l #	14
48) Methyl methacrylate	9.30	41	1796	1.409	ug/l	89
52) Toluene	10.24	92	49922	10.921	ug/l	99
55) 1,1,2-Trichloroethane	10.62	97	5880	4.103	ug/l #	20
67) Ethyl Benzene	11.59	91	12928	1.461	ug/l	95
68) m/p-Xylenes	11.70	106	19157	5.740	ug/l	96
69) o-Xylene	12.03	106	6753	2.110	ug/l	99
76) 1,2,3-Trichloropropane	12.48	75	54660	48.453	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	54660	82.166	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.12	105	9923	1.512	ug/l	98
95) Naphthalene	15.23	128	21939	4.649	ug/l	98

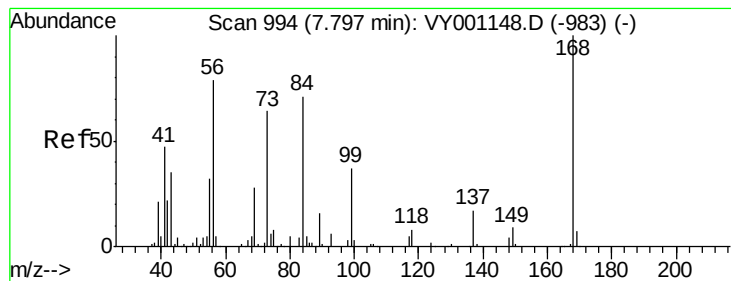
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001178.D

Acq: 13 Jan 2020 14:10

Instrument :

MSVOA_Y

ClientSampleId :

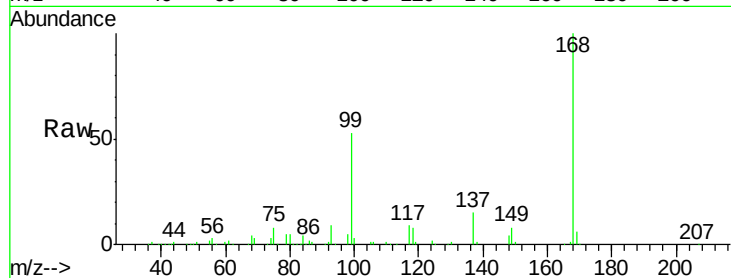
OR-03-011020

Tgt Ion:168 Resp: 146373

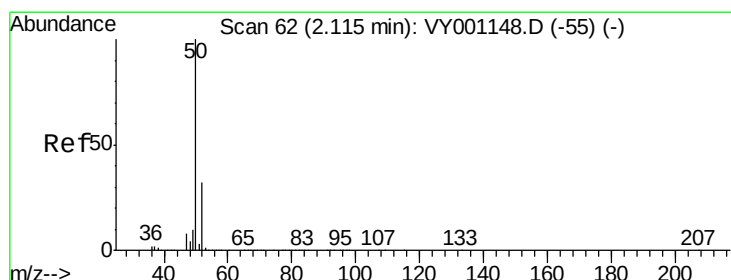
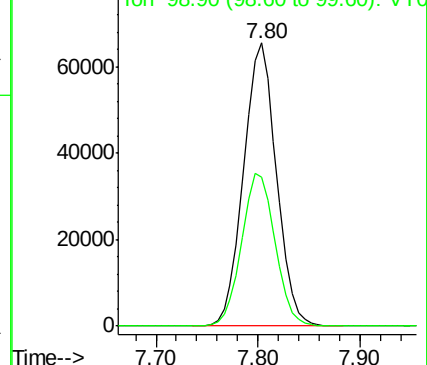
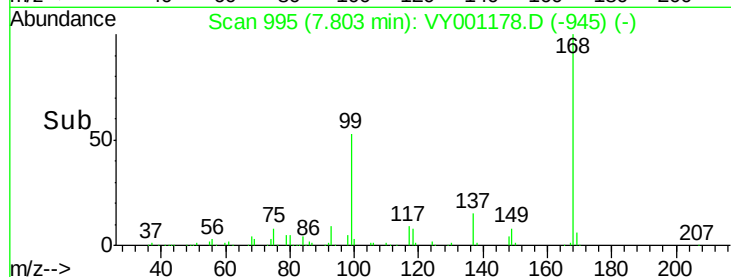
Ion Ratio Lower Upper

168 100

99 52.7 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001178.D (-945) (-)



#3

Chloromethane

Concen: 1.078 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY001178.D

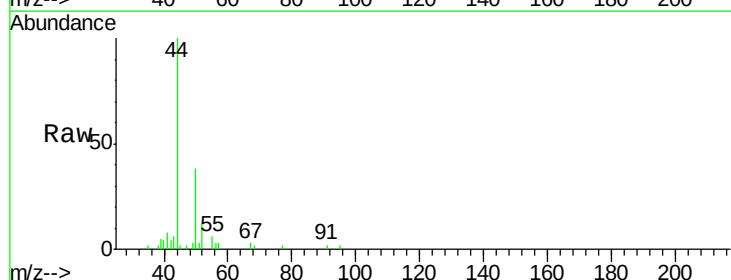
Acq: 13 Jan 2020 14:10

Tgt Ion: 50 Resp: 1746

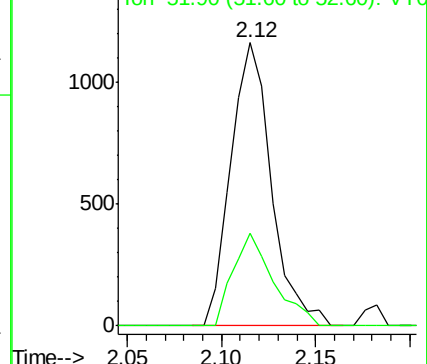
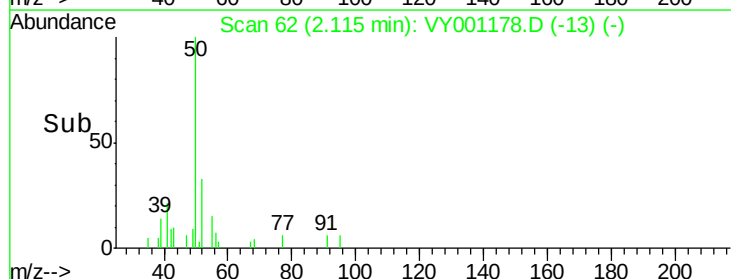
Ion Ratio Lower Upper

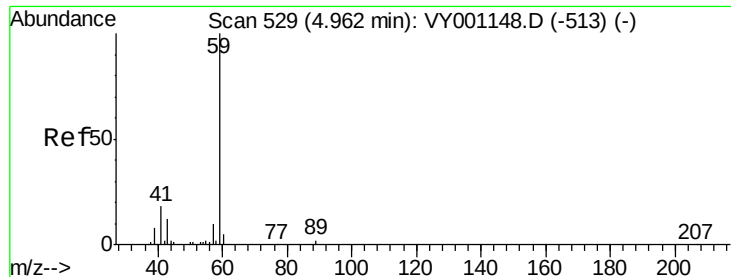
50 100

52 32.7 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VY001178.D (-13) (-)

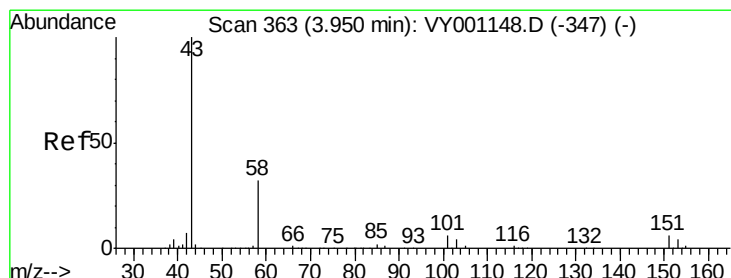
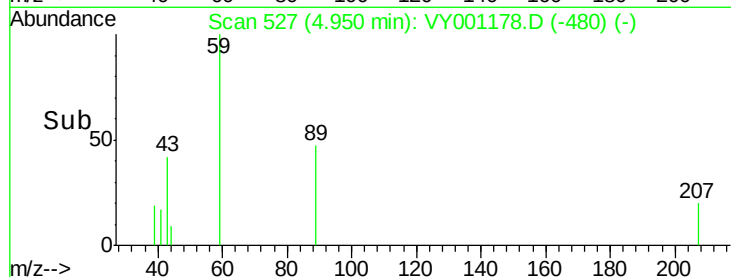
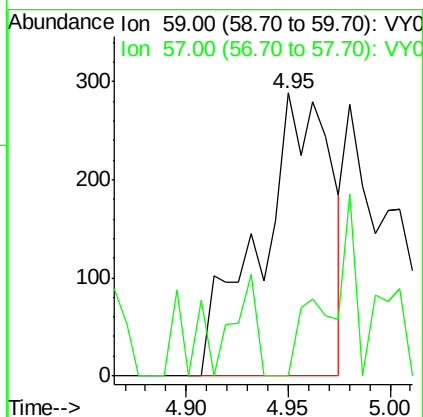
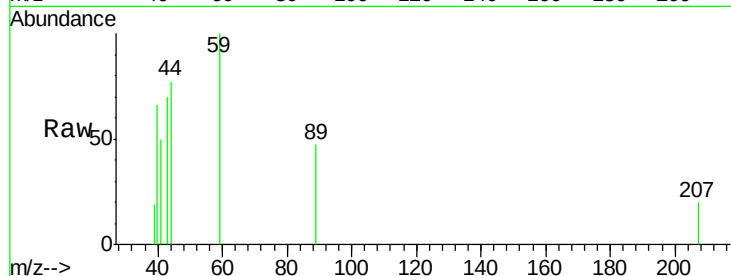




#11
Tert butyl alcohol
Concen: 4.500 ug/l
RT: 4.95 min Scan# 527
Delta R.T. -0.01 min
Lab File: VY001178.D
Acq: 13 Jan 2020 14:10

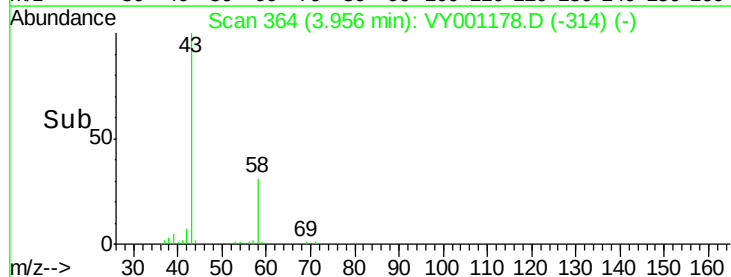
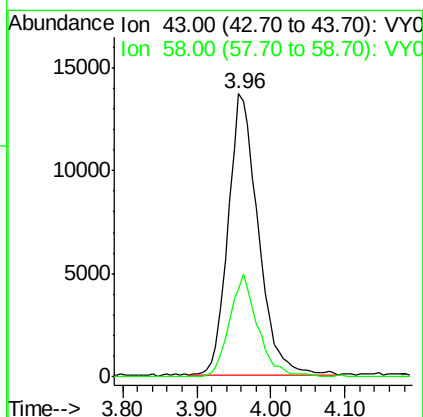
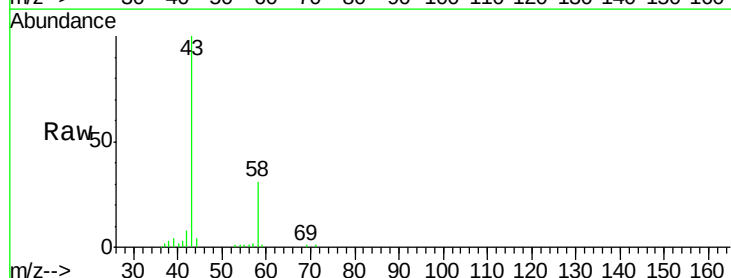
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-011020

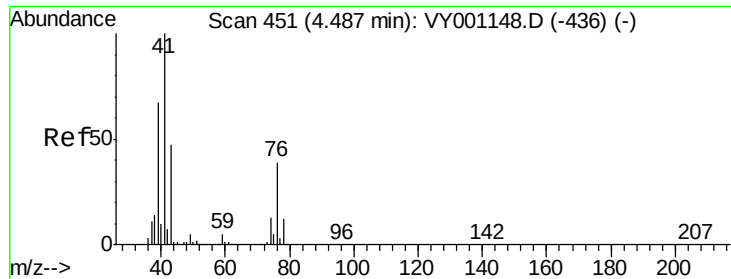
Tgt Ion: 59 Resp: 700
Ion Ratio Lower Upper
59 100
57 11.0 7.8 11.8



#16
Acetone
Concen: 107.315 ug/l
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VY001178.D
Acq: 13 Jan 2020 14:10

Tgt Ion: 43 Resp: 38530
Ion Ratio Lower Upper
43 100
58 31.2 25.8 38.6

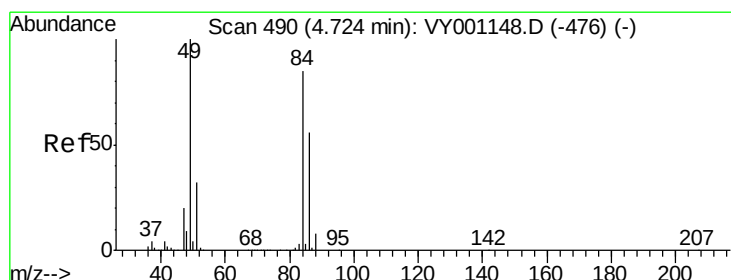
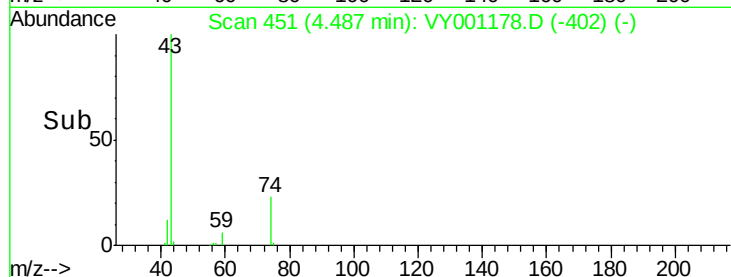
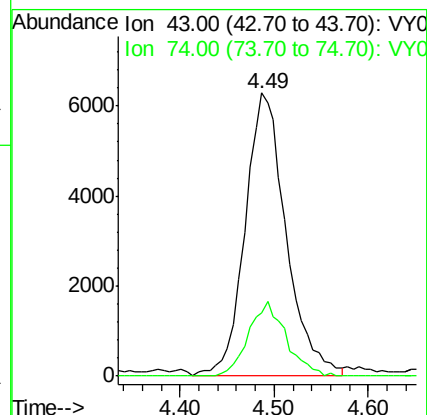
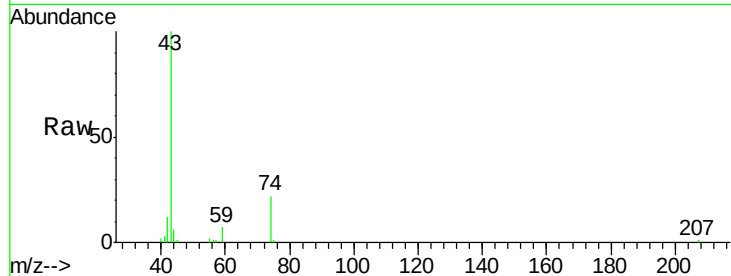




#18
Methyl Acetate
Concen: 16.188 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY001178.D
Acq: 13 Jan 2020 14:10

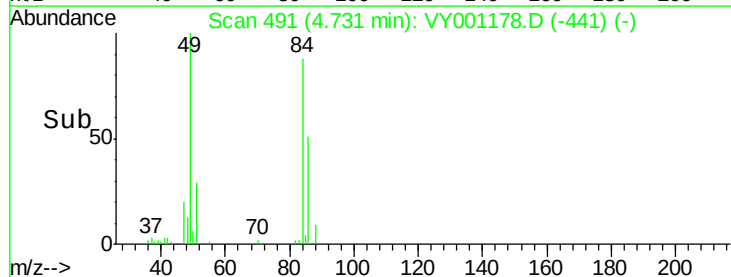
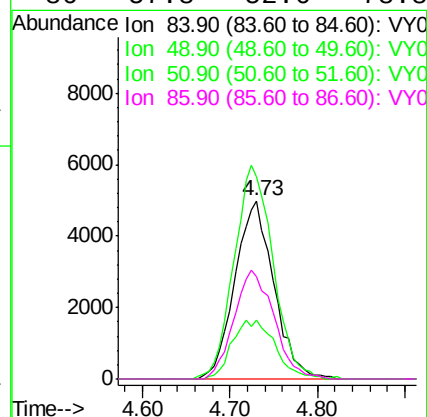
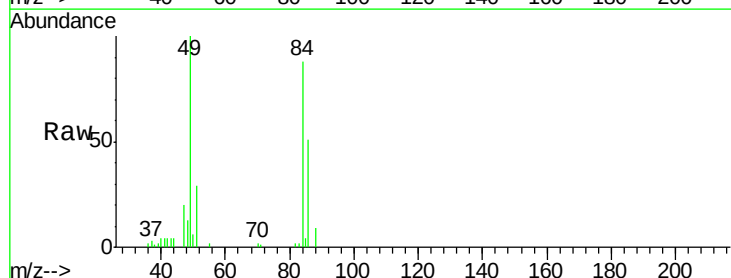
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-011020

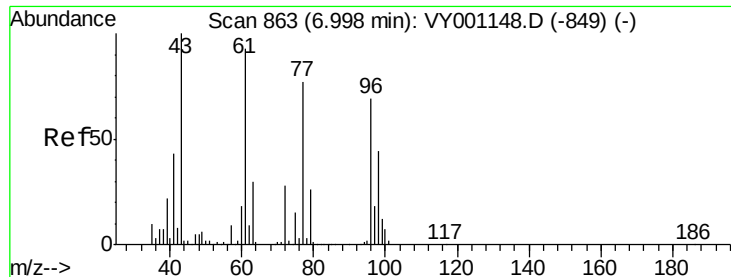
Tgt Ion: 43 Resp: 19216
Ion Ratio Lower Upper
43 100
74 24.1 20.2 30.2



#20
Methylene Chloride
Concen: 4.143 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY001178.D
Acq: 13 Jan 2020 14:10

Tgt Ion: 84 Resp: 15408
Ion Ratio Lower Upper
84 100
49 114.0 93.8 140.6
51 32.8 29.9 44.9
86 57.8 52.6 78.8





#25

2-Butanone

Concen: 2.380 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY001178.D

Acq: 13 Jan 2020 14:10

Instrument :

MSVOA_Y

ClientSampleId :

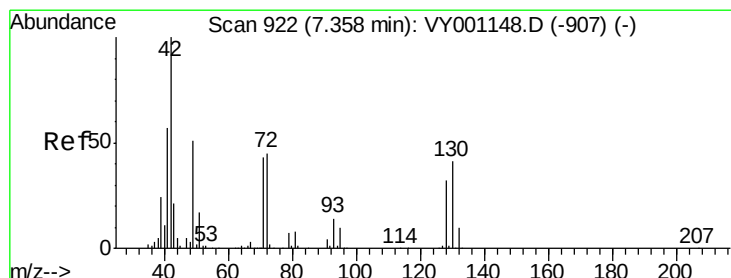
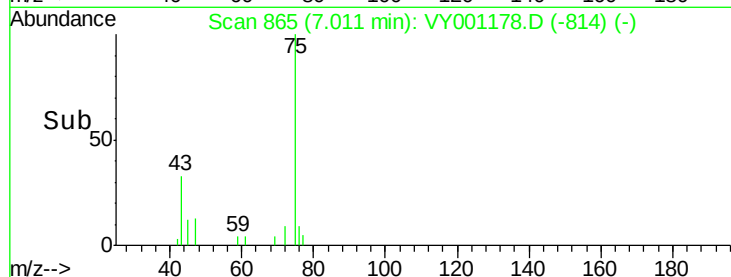
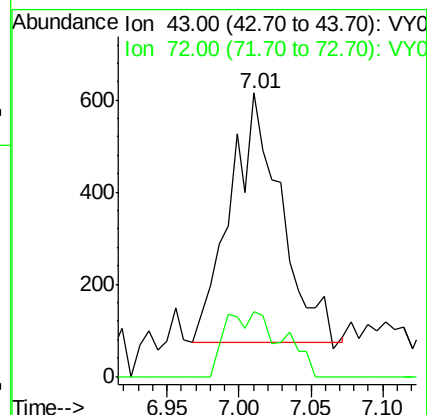
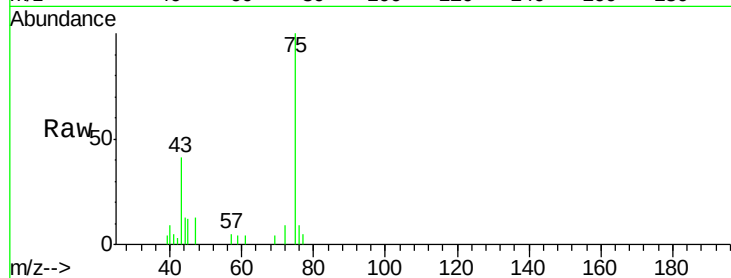
OR-03-011020

Tgt Ion: 43 Resp: 1330

Ion Ratio Lower Upper

43 100

72 26.0 22.2 33.2



#29

Tetrahydrofuran

Concen: 1.139 ug/l

RT: 7.38 min Scan# 925

Delta R.T. 0.02 min

Lab File: VY001178.D

Acq: 13 Jan 2020 14:10

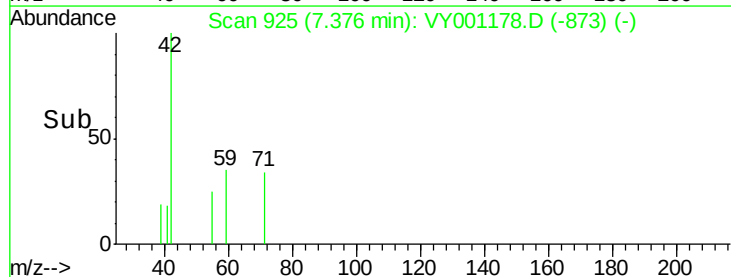
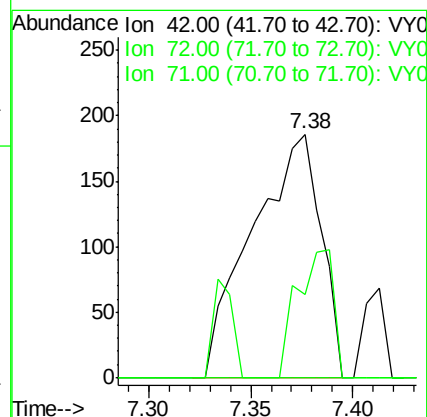
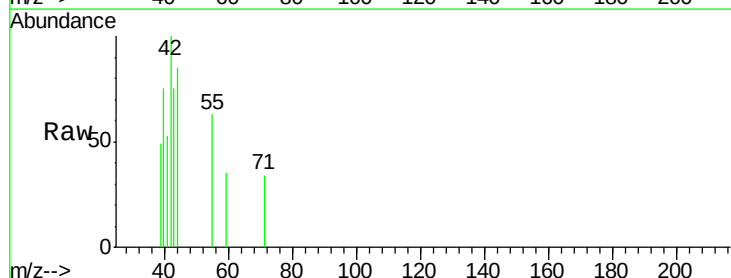
Tgt Ion: 42 Resp: 436

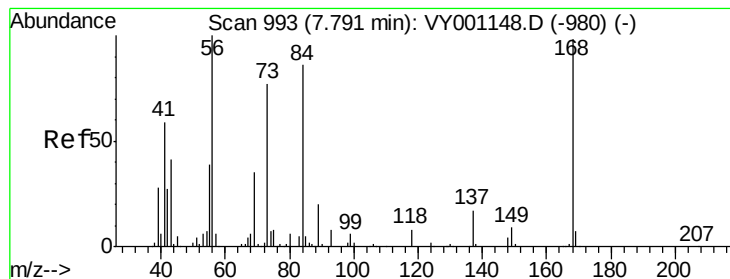
Ion Ratio Lower Upper

42 100

72 0.0 36.9 55.3#

71 27.5 34.0 51.0#





#31

Cyclohexane

Concen: 1.455 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY001178.D

Acq: 13 Jan 2020 14:10

Instrument :

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ClientSampleId :

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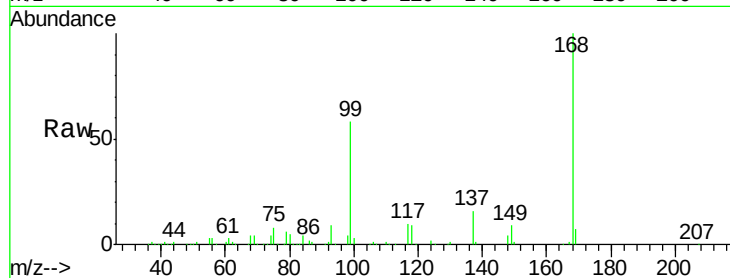
Tgt Ion: 56 Resp: 4350

Ion Ratio Lower Upper

56 100

69 128.6 27.8 41.8#

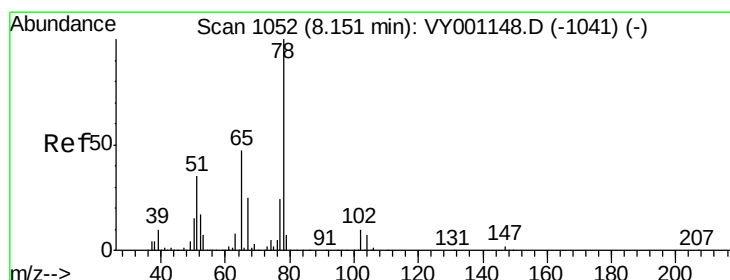
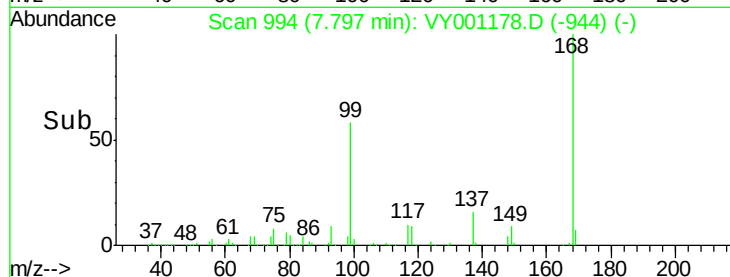
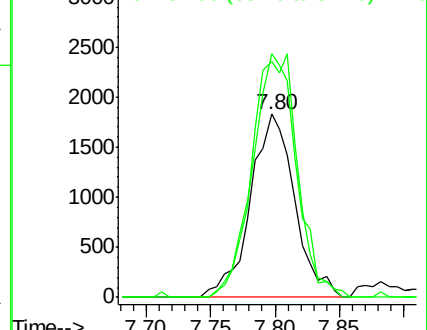
84 133.0 68.9 103.3#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 54.126 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY001178.D

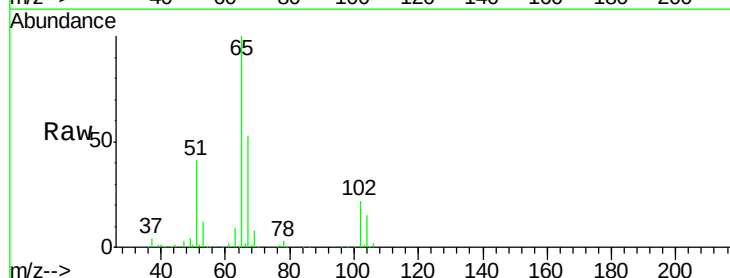
Acq: 13 Jan 2020 14:10

Tgt Ion: 65 Resp: 83676

Ion Ratio Lower Upper

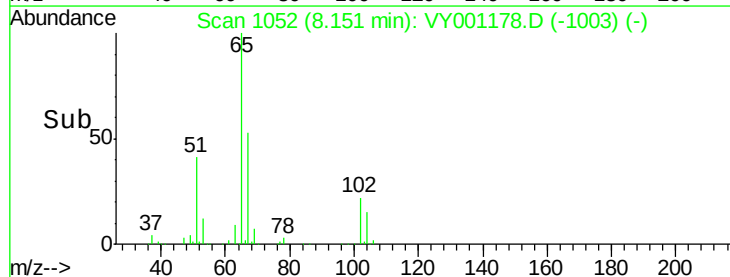
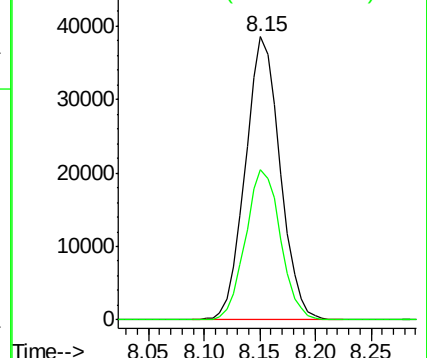
65 100

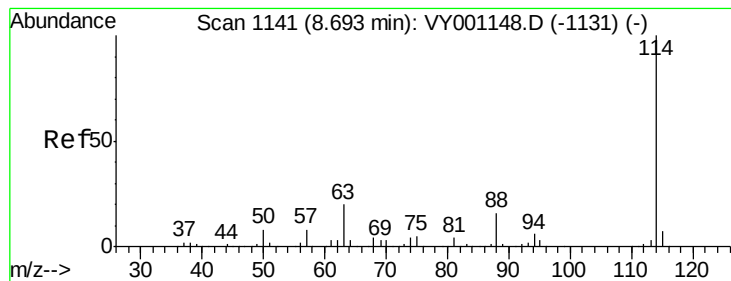
67 53.7 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VY001178.D

Acq: 13 Jan 2020 14:10

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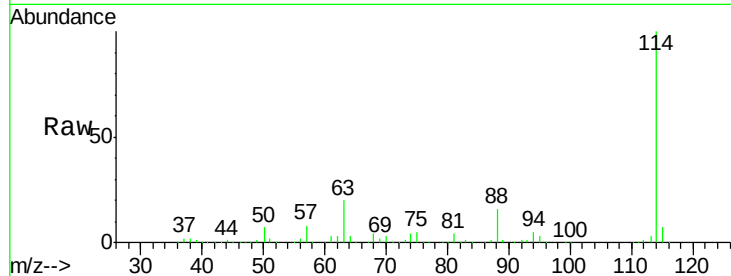
Tgt Ion:114 Resp: 269381

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

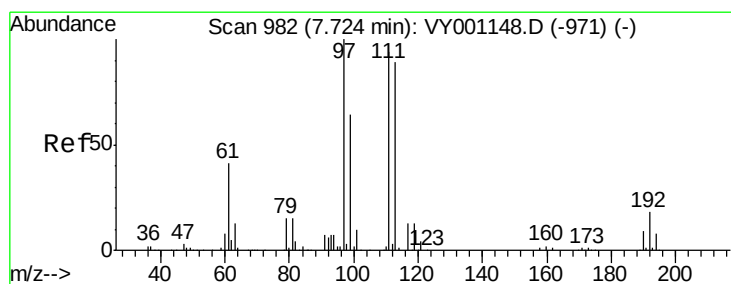
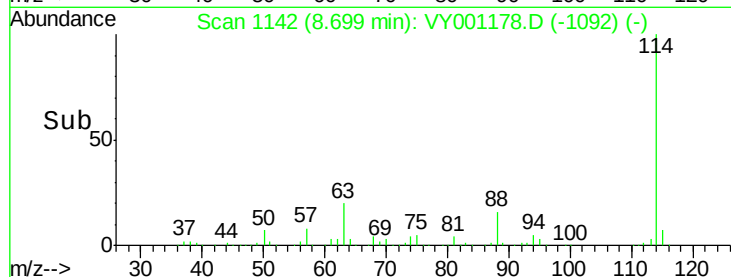
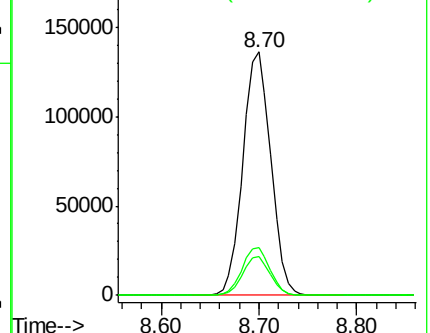
88 15.9 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 50.660 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001178.D

Acq: 13 Jan 2020 14:10

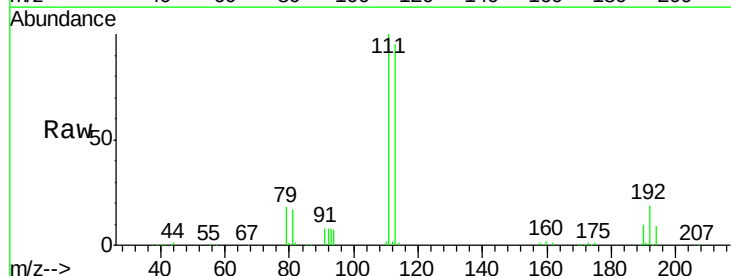
Tgt Ion:113 Resp: 79902

Ion Ratio Lower Upper

113 100

111 103.7 82.9 124.3

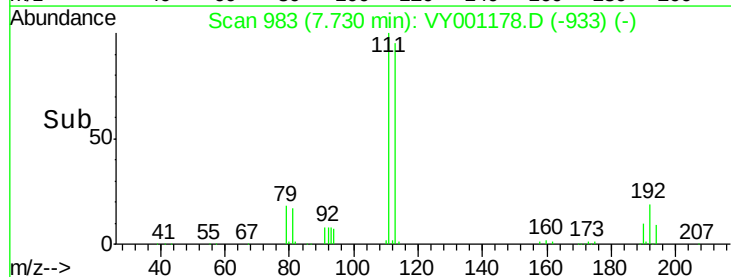
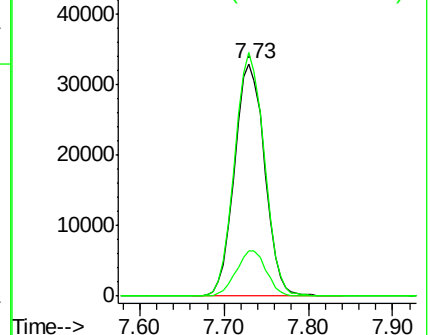
192 19.6 15.4 23.2

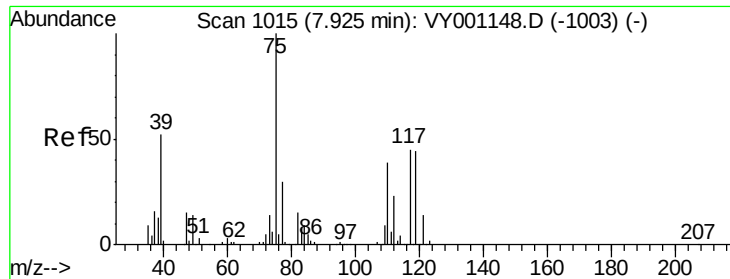


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

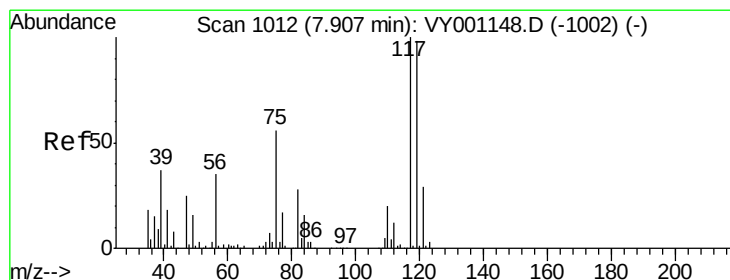
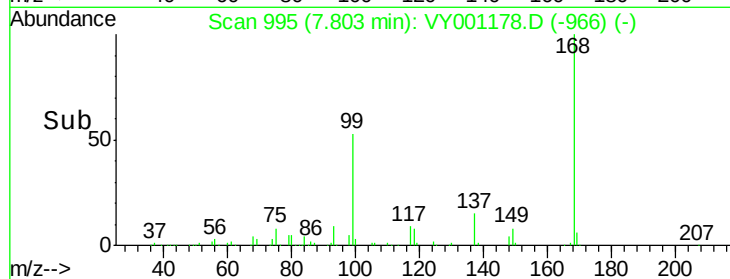
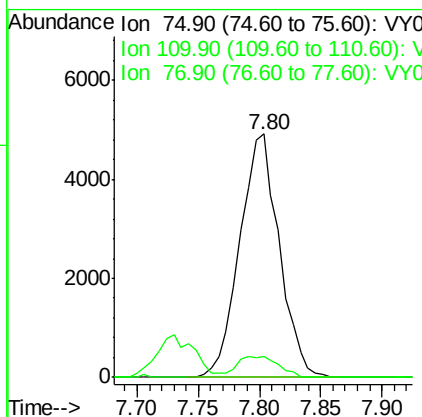
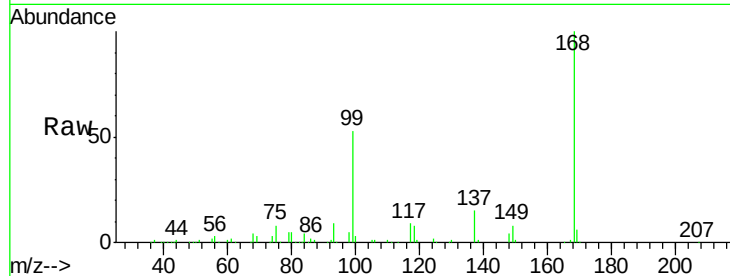




#36
 1,1-Dichloropropene
 Concen: 4.480 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY001178.D
 Acq: 13 Jan 2020 14:10

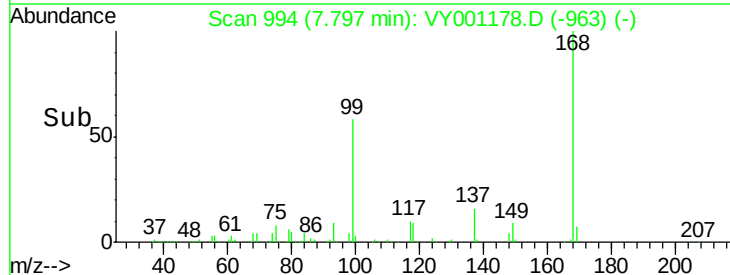
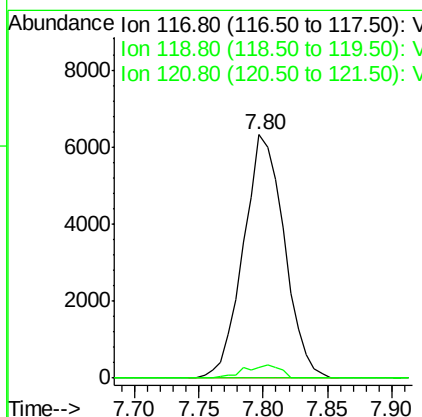
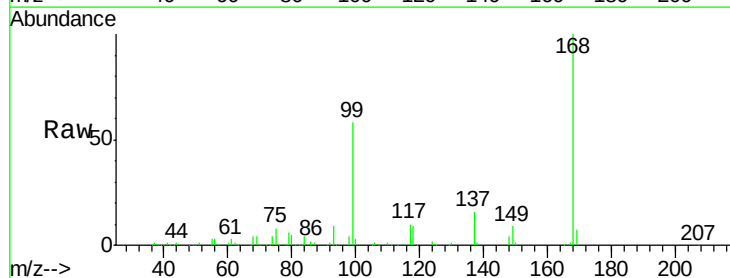
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 OR-03-011020

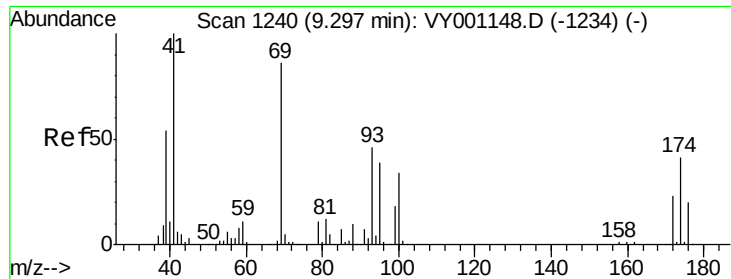
Tgt Ion: 75 Resp: 11000
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.3 54.8#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.175 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY001178.D
 Acq: 13 Jan 2020 14:10

Tgt Ion: 117 Resp: 13894
 Ion Ratio Lower Upper
 117 100
 119 4.1 78.3 117.5#
 121 0.0 23.5 35.3#

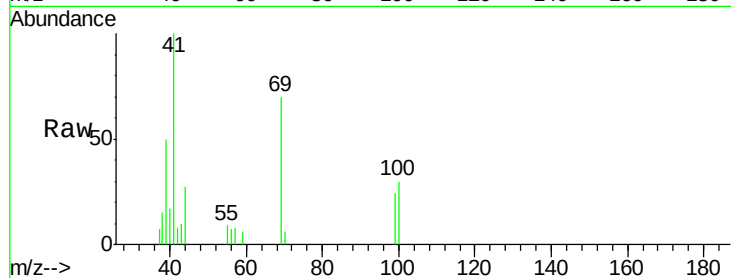




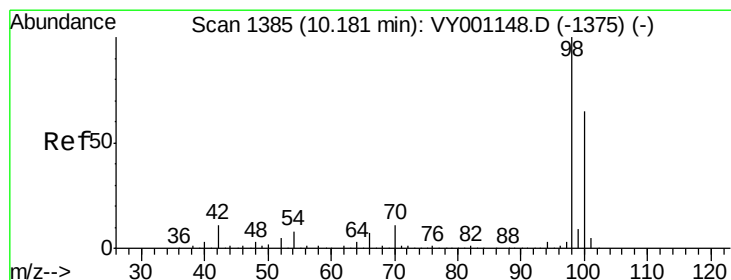
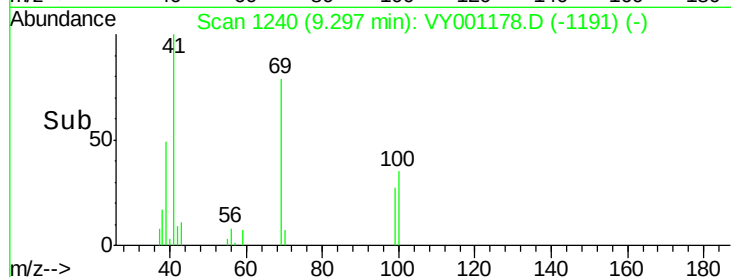
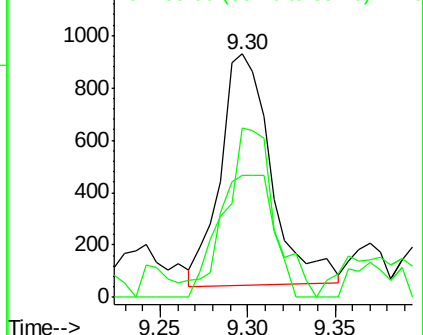
#48
Methyl methacrylate
Concen: 1.409 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VY001178.D
Acq: 13 Jan 2020 14:10

Instrument :
MSVOA_Y
ClientSampleId :
OR-03-011020

Tgt Ion: 41 Resp: 1796
Ion Ratio Lower Upper
41 100
69 71.6 69.8 104.8
39 55.3 45.2 67.8

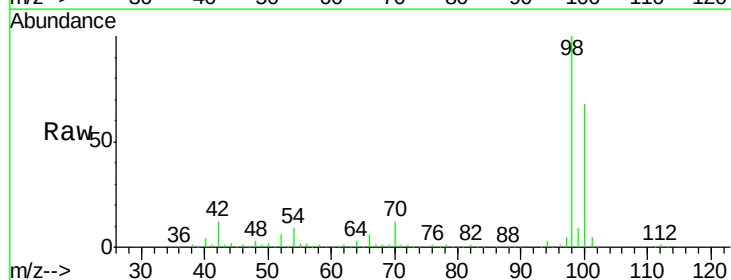


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0

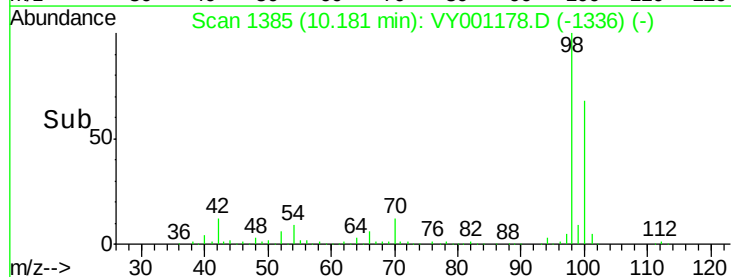
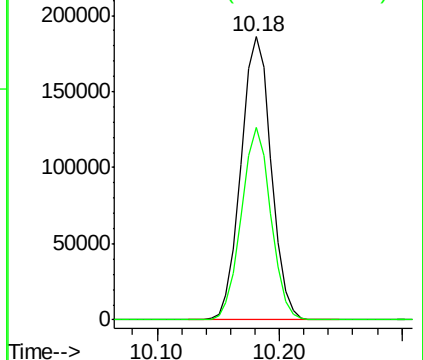


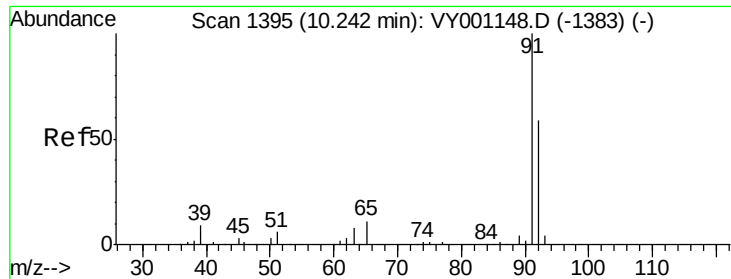
#50
Toluene-d8
Concen: 52.542 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY001178.D
Acq: 13 Jan 2020 14:10

Tgt Ion: 98 Resp: 319314
Ion Ratio Lower Upper
98 100
100 66.0 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#52

Toluene

Concen: 10.921 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY001178.D

Acq: 13 Jan 2020 14:10

Instrument :

MSVOA_Y

ClientSampled :

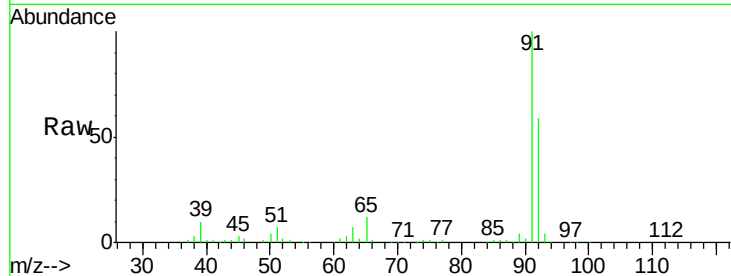
OR-03-011020

Tgt Ion: 92 Resp: 49922

Ion Ratio Lower Upper

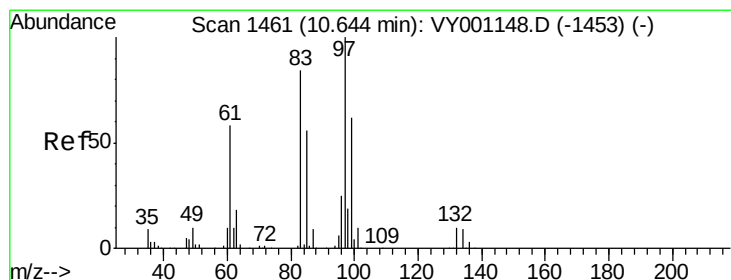
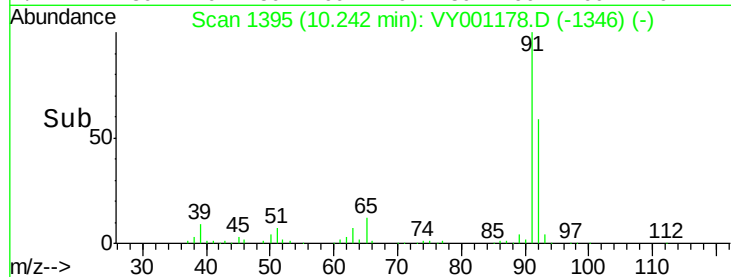
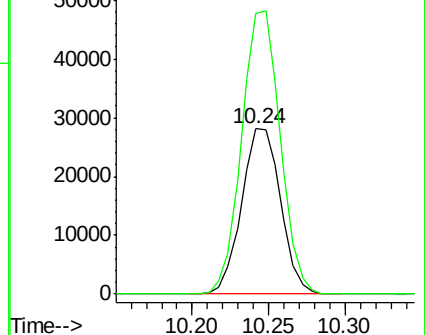
92 100

91 169.0 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY001178.D (-1383) (-)

Ion 91.00 (90.70 to 91.70): VY001178.D (-1383) (-)



#55

1,1,2-Trichloroethane

Concen: 4.103 ug/l

RT: 10.62 min Scan# 1457

Delta R.T. -0.02 min

Lab File: VY001178.D

Acq: 13 Jan 2020 14:10

Tgt Ion: 97 Resp: 5880

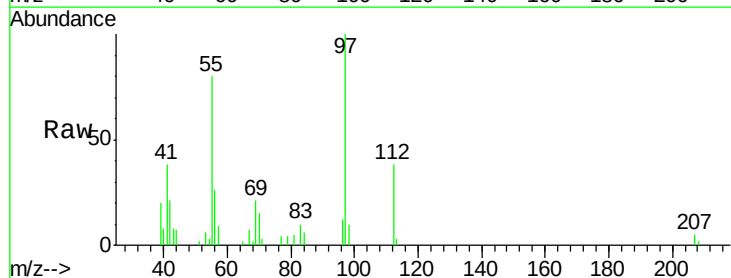
Ion Ratio Lower Upper

97 100

83 10.2 67.2 100.8#

85 0.0 44.9 67.3#

99 0.0 49.9 74.9#

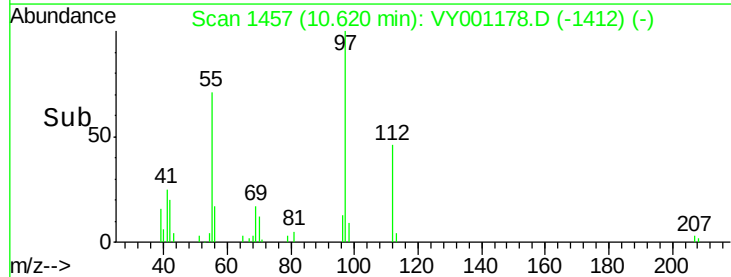
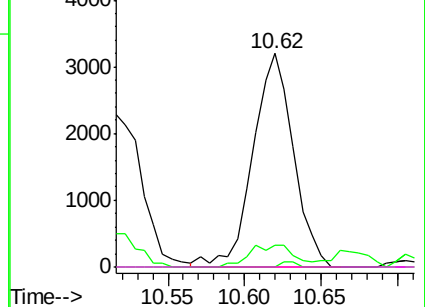


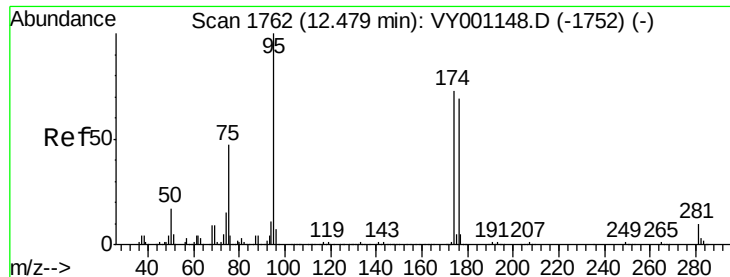
Abundance Ion 96.90 (96.60 to 97.60): VY001178.D (-1412) (-)

Ion 82.90 (82.60 to 83.60): VY001178.D (-1412) (-)

Ion 84.90 (84.60 to 85.60): VY001178.D (-1412) (-)

Ion 98.90 (98.60 to 99.60): VY001178.D (-1412) (-)

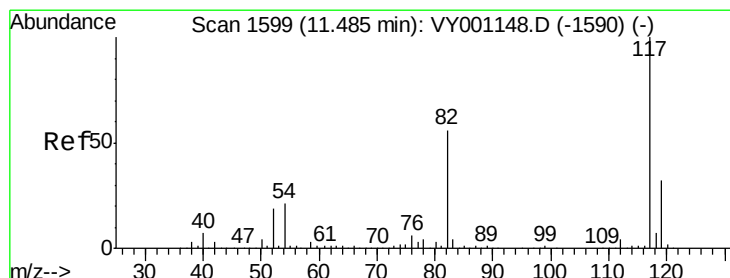
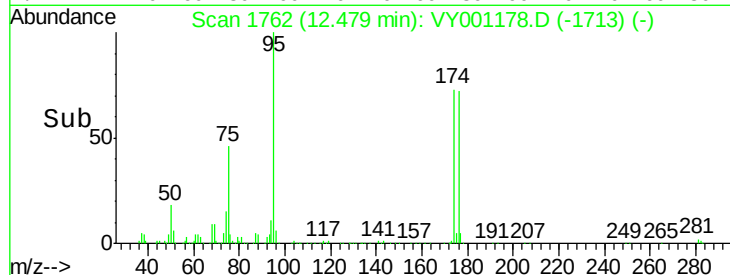
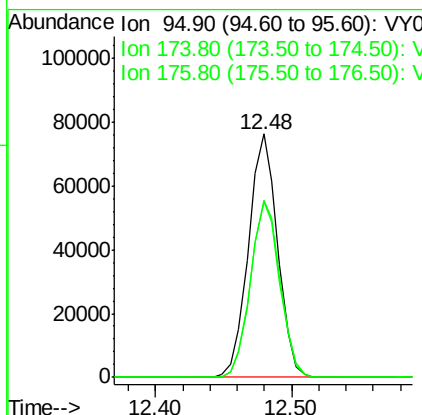
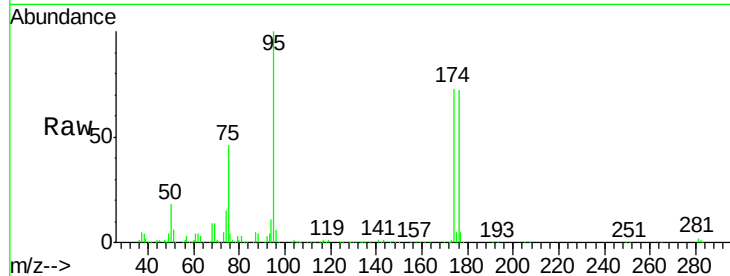




#62
4-Bromofluorobenzene
Concen: 46.042 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY001178.D
Acq: 13 Jan 2020 14:10

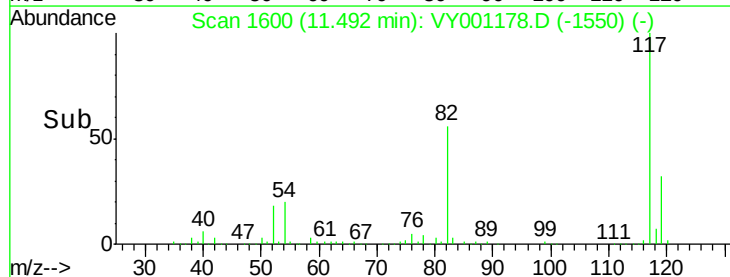
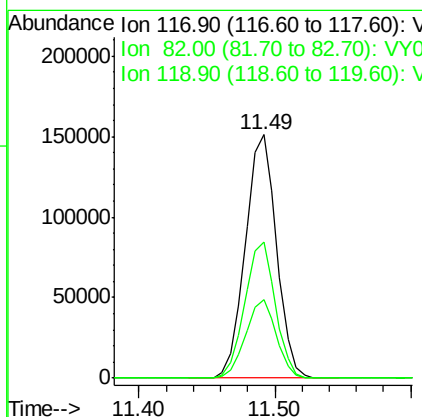
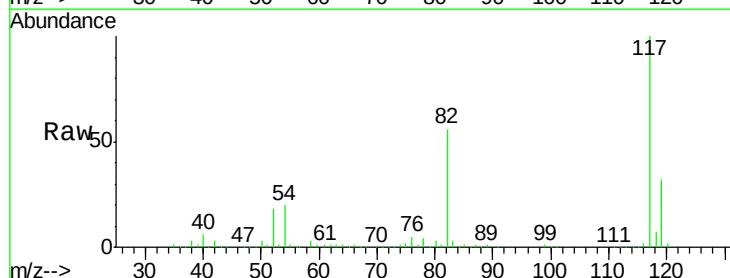
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-011020

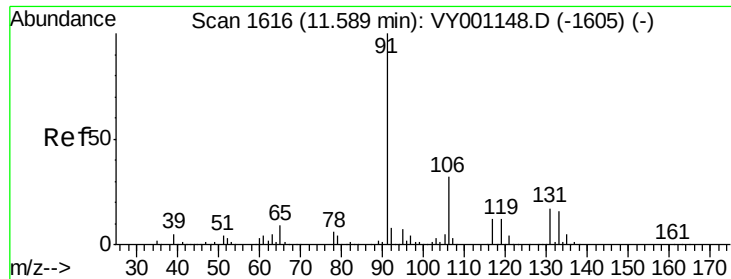
Tgt Ion: 95 Resp: 114396
Ion Ratio Lower Upper
95 100
174 74.5 0.0 143.2
176 72.7 0.0 136.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001178.D
Acq: 13 Jan 2020 14:10

Tgt Ion: 117 Resp: 242038
Ion Ratio Lower Upper
117 100
82 55.7 44.9 67.3
119 32.0 25.7 38.5

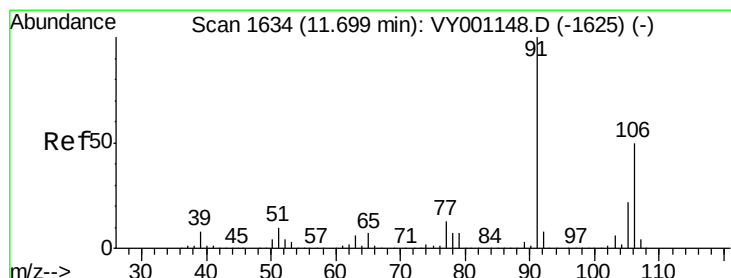
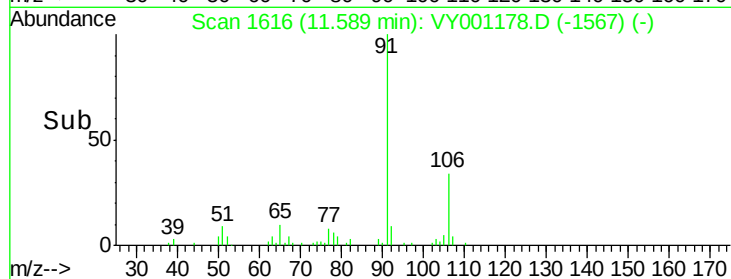
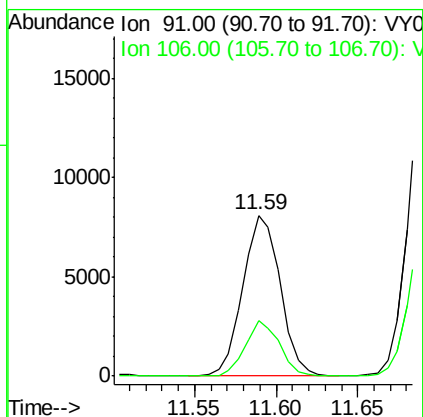
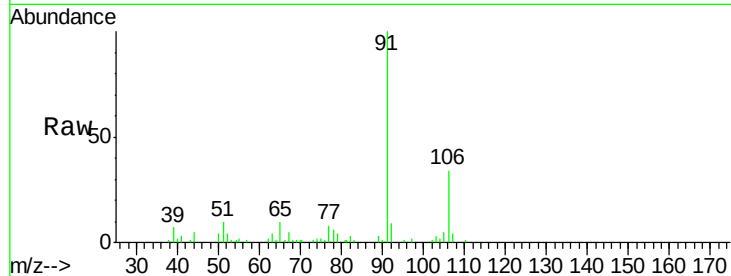




#67
Ethyl Benzene
Concen: 1.461 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001178.D
Acq: 13 Jan 2020 14:10

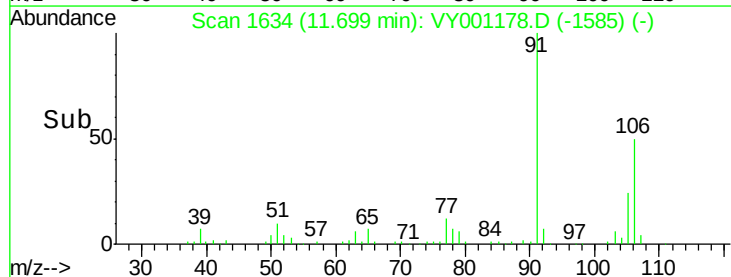
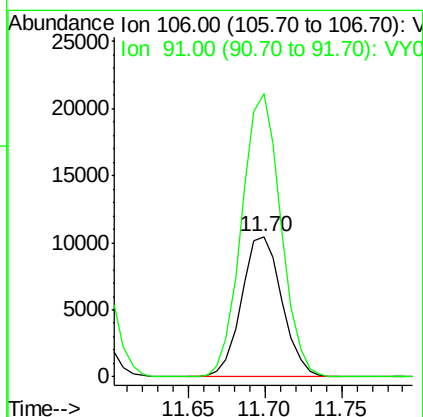
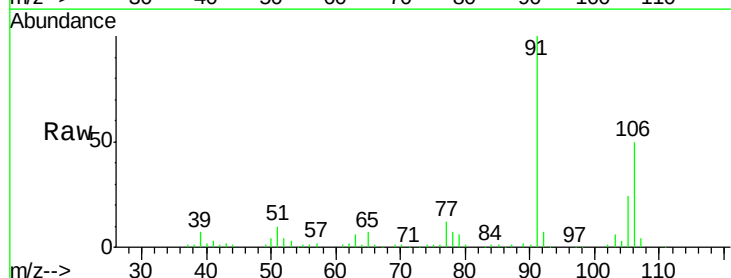
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-011020

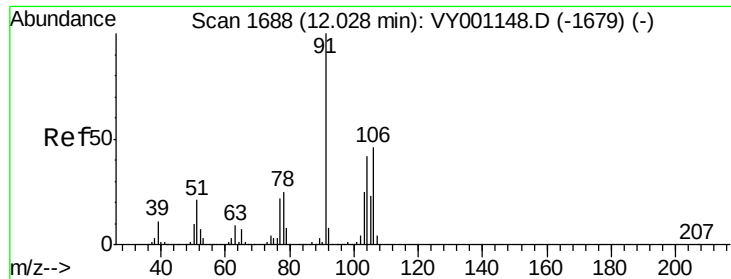
Tgt Ion: 91 Resp: 12928
Ion Ratio Lower Upper
91 100
106 34.4 25.3 37.9



#68
m/p-Xylenes
Concen: 5.740 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY001178.D
Acq: 13 Jan 2020 14:10

Tgt Ion: 106 Resp: 19157
Ion Ratio Lower Upper
106 100
91 196.0 161.4 242.2

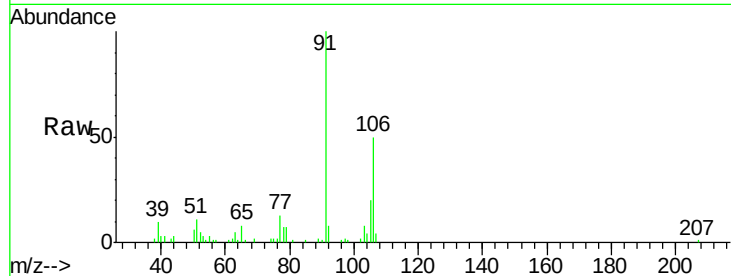




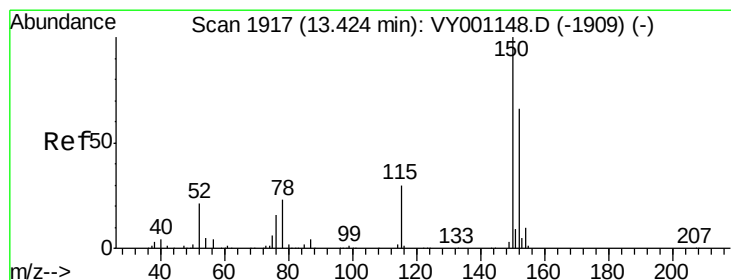
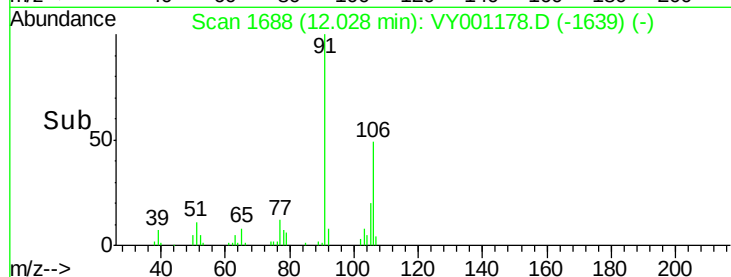
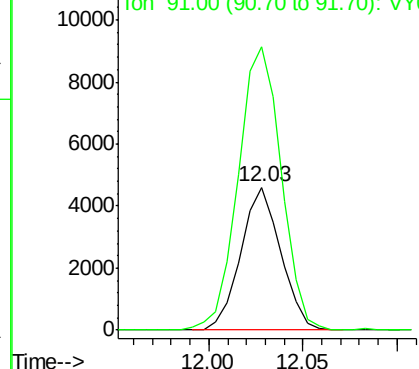
#69
o-Xylene
Concen: 2.110 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY001178.D
Acq: 13 Jan 2020 14:10

Instrument :
MSVOA_Y
ClientSampleId :
OR-03-011020

Tgt Ion:106 Resp: 6753
Ion Ratio Lower Upper
106 100
91 213.3 106.3 318.8

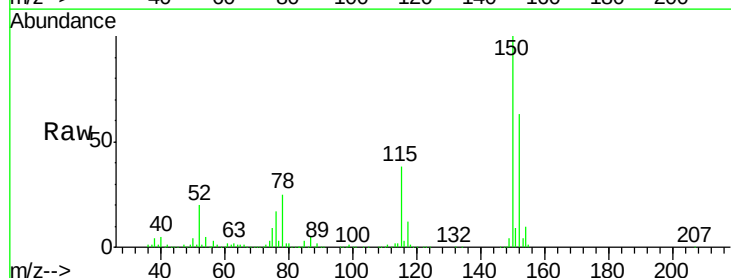


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

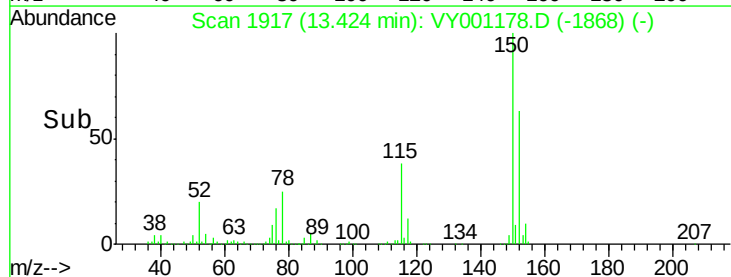
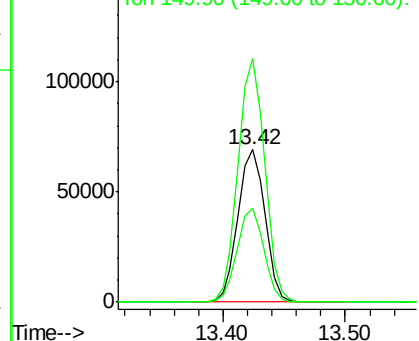


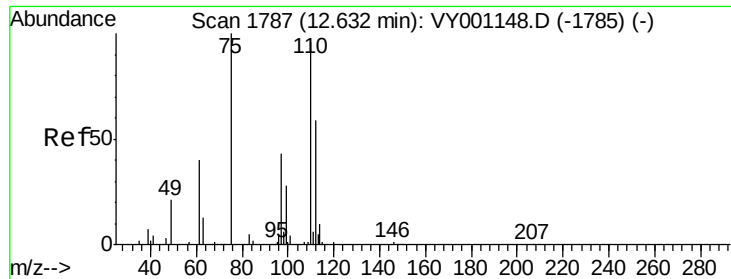
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY001178.D
Acq: 13 Jan 2020 14:10

Tgt Ion:152 Resp: 105380
Ion Ratio Lower Upper
152 100
115 61.0 30.9 92.5
150 157.8 0.0 346.8



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: 48.453 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001178.D

Acq: 13 Jan 2020 14:10

Instrument :

MSVOA_Y

ClientSampleId :

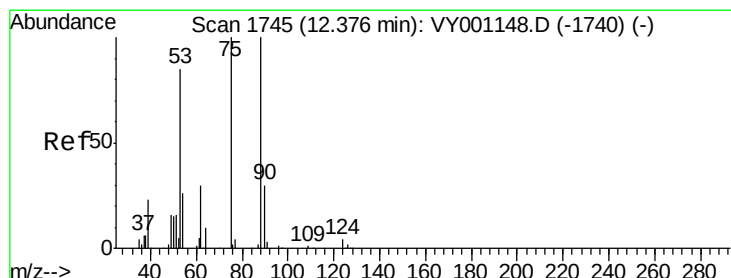
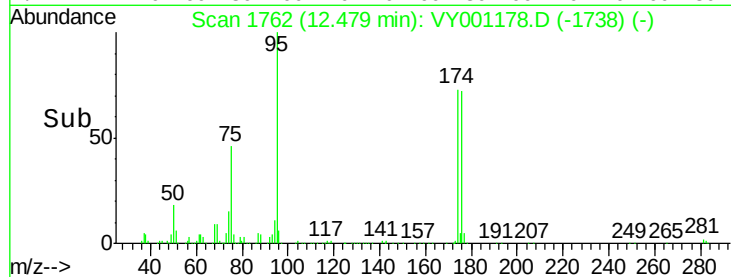
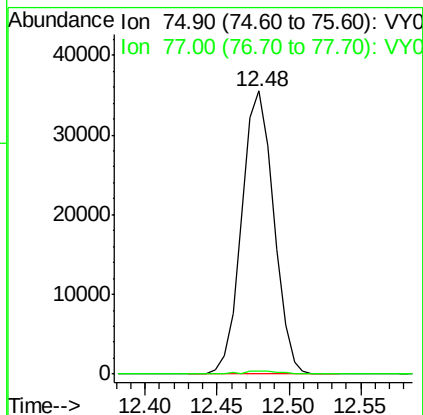
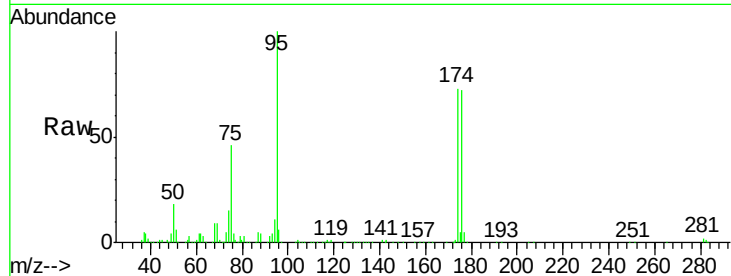
OR-03-011020

Tgt Ion: 75 Resp: 54660

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 82.166 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001178.D

Acq: 13 Jan 2020 14:10

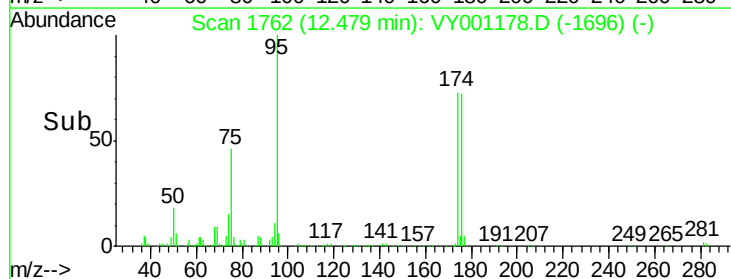
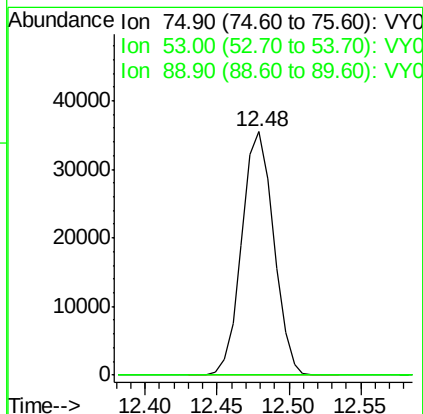
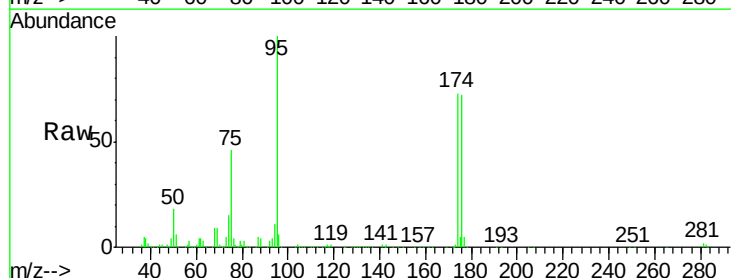
Tgt Ion: 75 Resp: 54660

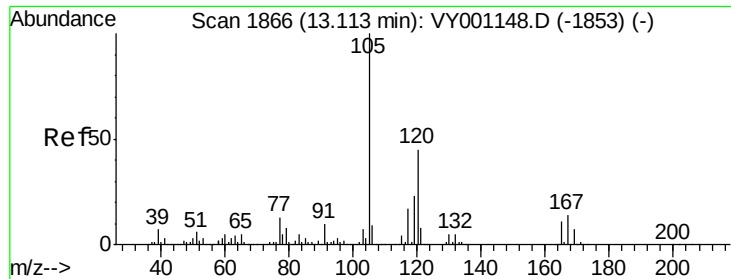
Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.1 0.0 0.0#

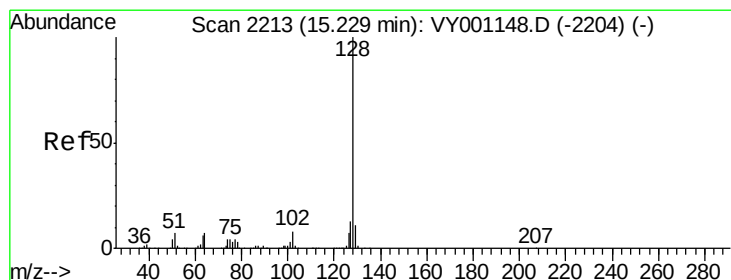
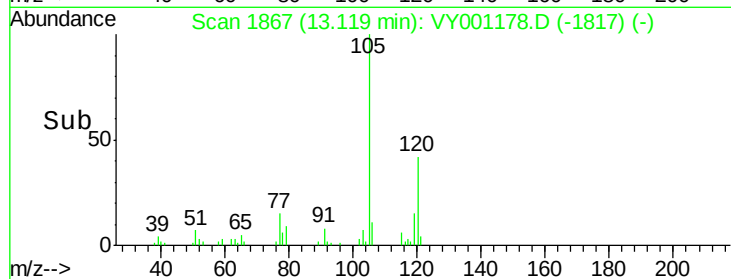
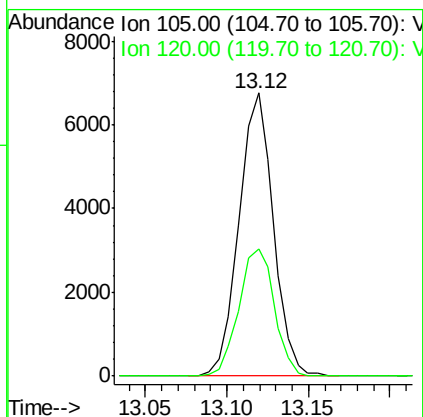
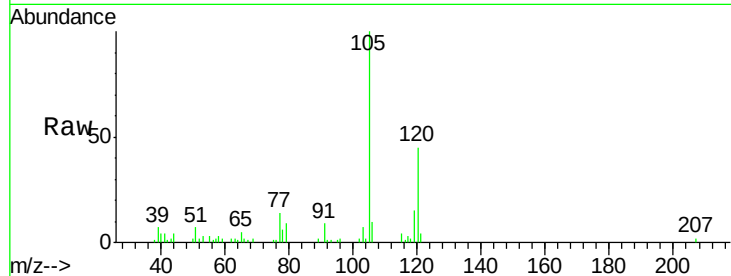




#84
 1,2,4-Trimethylbenzene
 Concen: 1.512 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: VY001178.D
 Acq: 13 Jan 2020 14:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-03-011020

Tgt Ion:105 Resp: 9923
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.8 68.3



#95
 Naphthalene
 Concen: 4.649 ug/l
 RT: 15.23 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VY001178.D
 Acq: 13 Jan 2020 14:10

Tgt Ion:128 Resp: 21939
 Ion Ratio Lower Upper
 128 100
 127 11.6 10.2 15.4
 129 10.7 8.5 12.7

