

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071420\
 Data File : VY003197.D
 Acq On : 14 Jul 2020 15:44
 Operator : SY/MD
 Sample : L3300-02
 Misc : 7.50G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-8A-S2

Quant Time: Jul 15 04:14:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	377843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	569676	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	510855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	249660	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	185685	58.22	ug/l	0.00
Spiked Amount			Recovery	=	116.44%	
35) Dibromofluoromethane	7.73	113	179764	54.83	ug/l	0.00
Spiked Amount			Recovery	=	109.66%	
50) Toluene-d8	10.18	98	682422	55.99	ug/l	0.00
Spiked Amount			Recovery	=	111.98%	
62) 4-Bromofluorobenzene	12.48	95	221951	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	

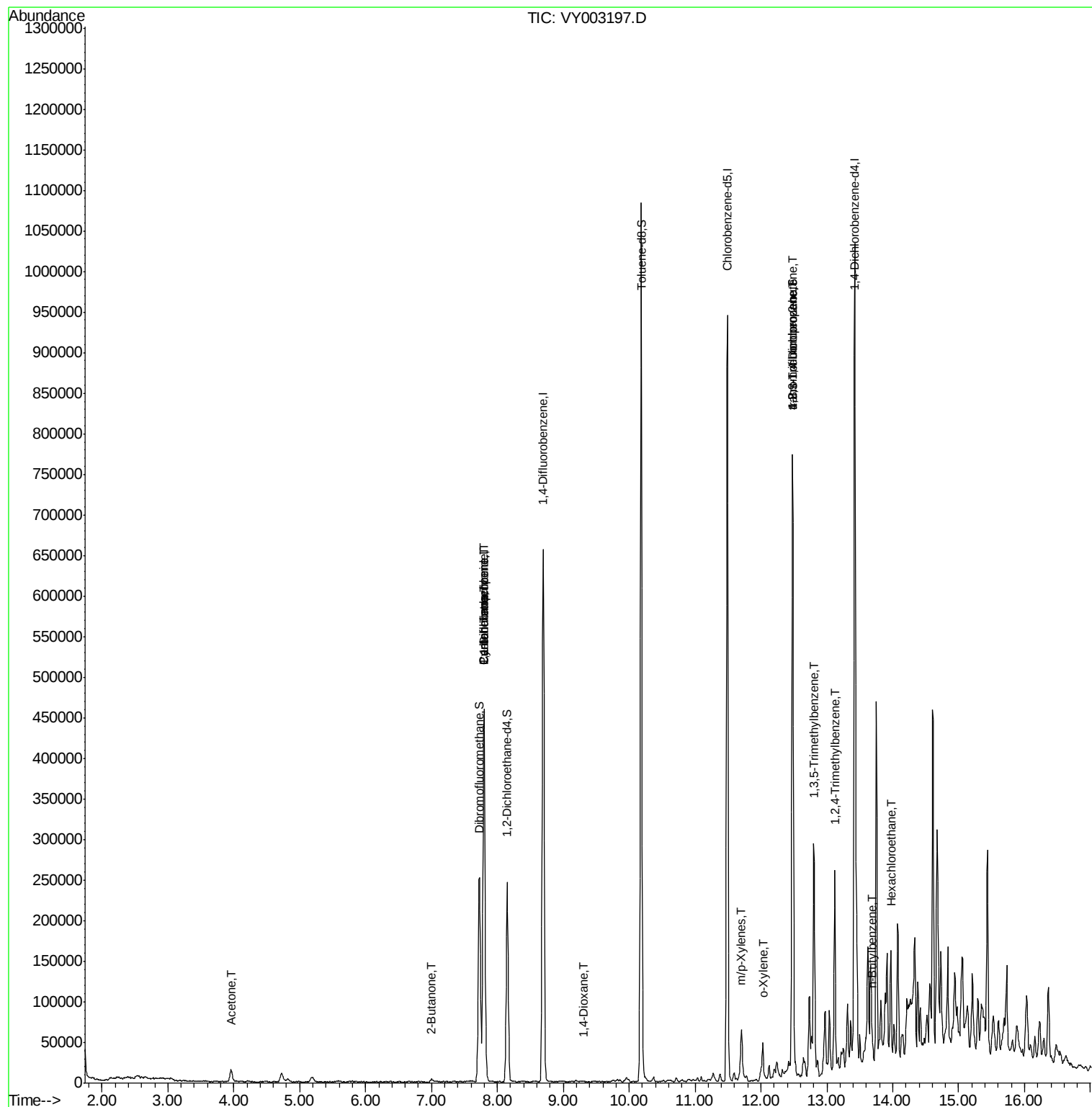
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	23892	33.539	ug/l	96
20) Methylene Chloride	4.73	84	7771	Below Cal		86
25) 2-Butanone	7.00	43	4613	3.944	ug/l #	87
31) Cyclohexane	7.79	56	7311	1.260	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	26129	5.061	ug/l #	51
38) Carbon Tetrachloride	7.80	117	33725	6.327	ug/l #	18
49) 1,4-Dioxane	9.31	88	110	4.034	ug/l #	1
68) m/p-Xylenes	11.70	106	11819	1.773	ug/l	96
69) o-Xylene	12.03	106	10885	1.748	ug/l	97
76) 1,2,3-Trichloropropane	12.48	75	114990	52.034	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	38406	2.896	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.48	75	114990	101.267	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.12	105	125452	9.403	ug/l	99
89) n-Butylbenzene	13.69	91	14556	1.031	ug/l #	82
90) Hexachloroethane	13.97	117	6364	2.327	ug/l #	4

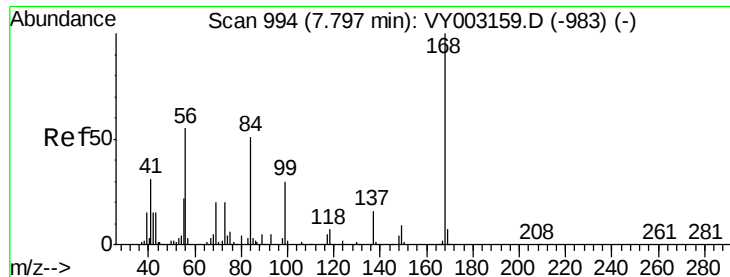
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003197.D

Acq: 14 Jul 2020 15:44

Instrument :

MSVOA_Y

ClientSampleId :

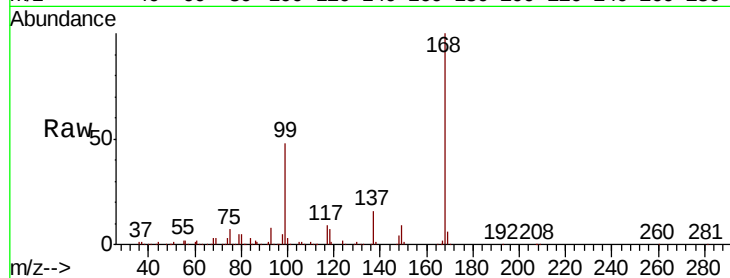
TP-8A-S2

Tot Ion:168 Resp: 377843

Ion Ratio Lower Upper

168 100

99 48.0 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003197.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003197.D (-945) (-)

7.80

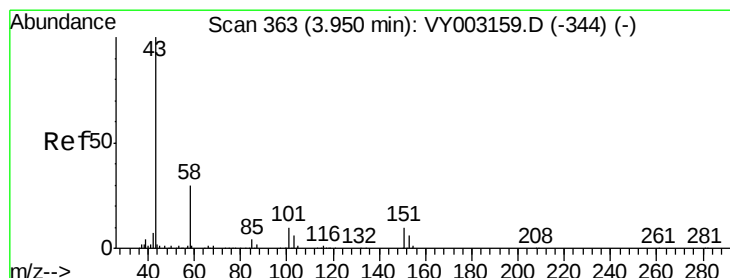
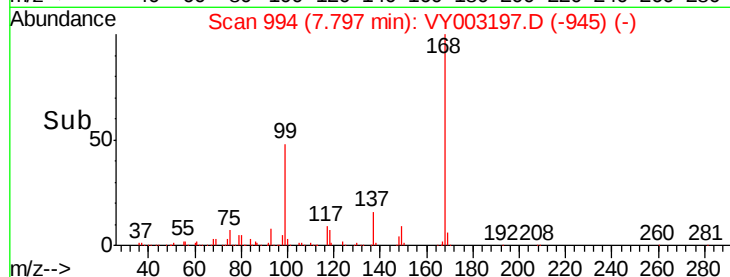
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 33.539 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003197.D

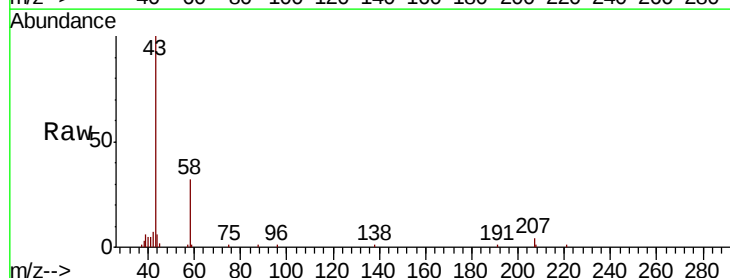
Acq: 14 Jul 2020 15:44

Tgt Ion: 43 Resp: 23892

Ion Ratio Lower Upper

43 100

58 31.8 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VY003197.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY003197.D (-314) (-)

3.96

10000

8000

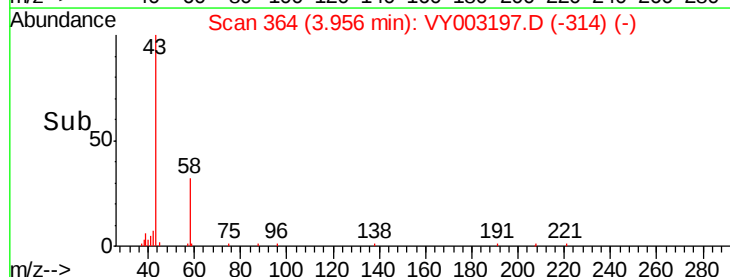
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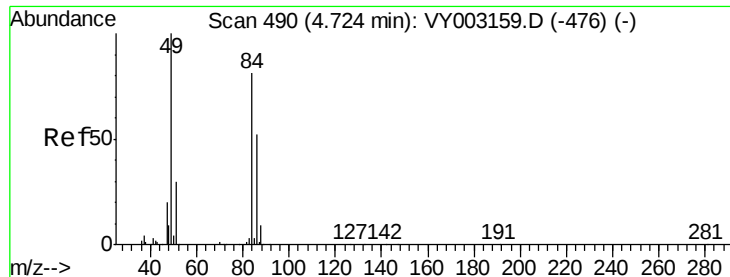
4000

2000

0

Time-->

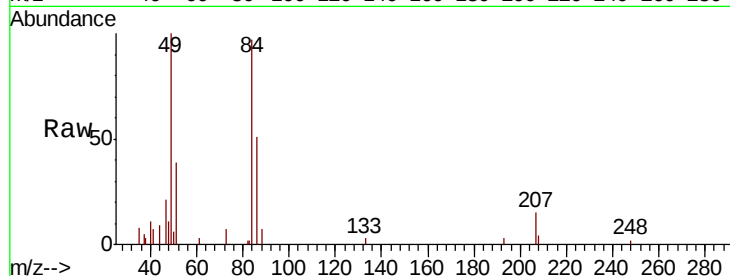




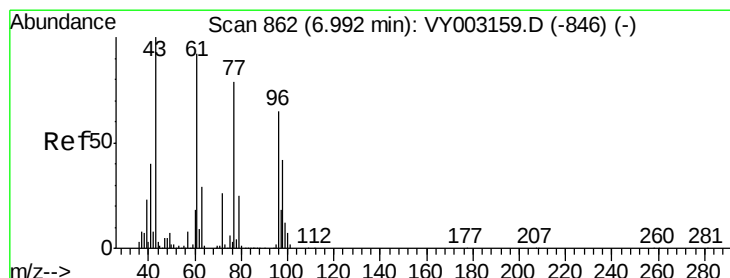
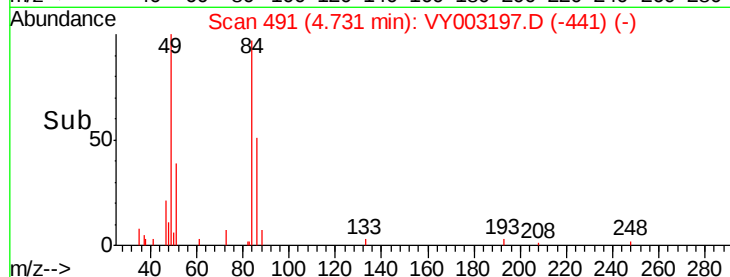
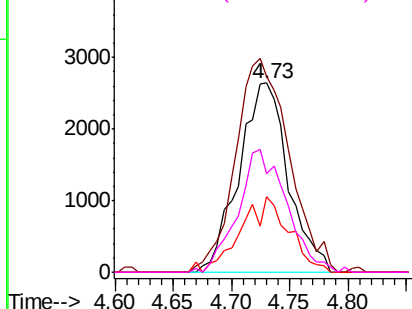
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003197.D
Acq: 14 Jul 2020 15:44

Instrument :
MSVOA_Y
ClientSampleId :
TP-8A-S2

Tot Ion:	84	Resp:	7771
Ion	Ratio	Lower	Upper
84	100		
49	103.4	98.2	147.4
51	39.9	29.8	44.6
86	52.5	51.2	76.8

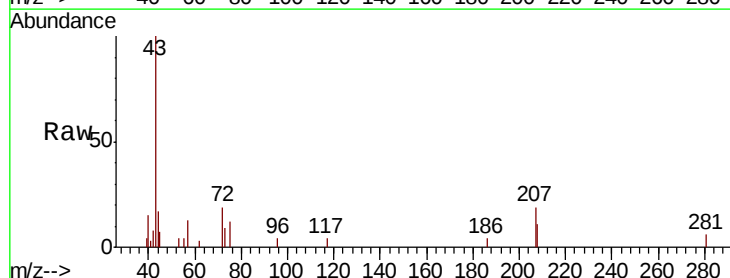


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

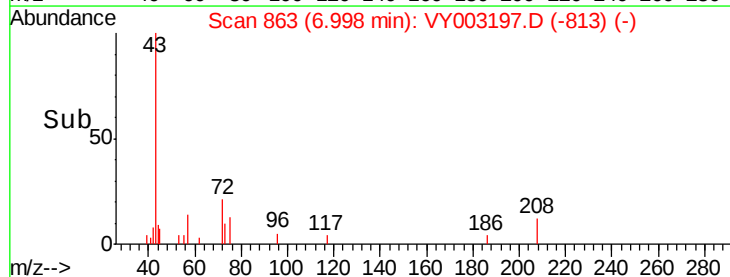
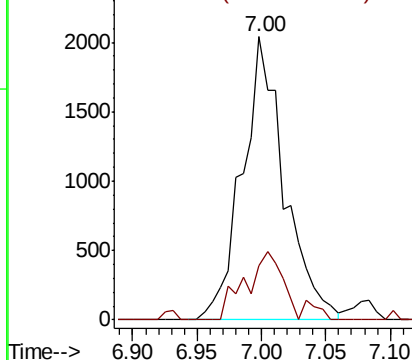


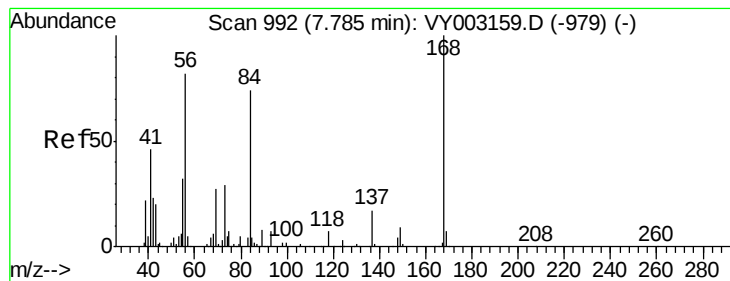
#25
2-Butanone
Concen: 3.944 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY003197.D
Acq: 14 Jul 2020 15:44

Tgt Ion:	43	Resp:	4613
Ion	Ratio	Lower	Upper
43	100		
72	19.3	20.9	31.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0





#31

Cyclohexane

Concen: 1.260 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.01 min

Lab File: VY003197.D

Acq: 14 Jul 2020 15:44

Instrument :

MSVOA_Y

ClientSampleId :

TP-8A-S2

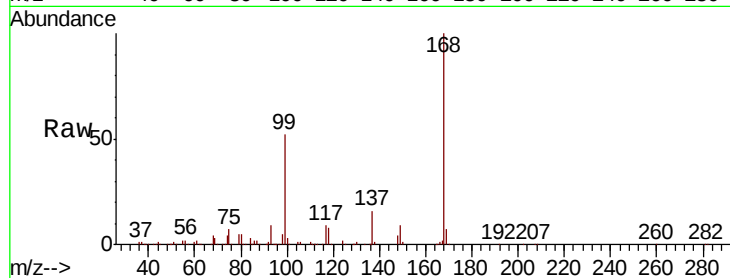
Tot Ion: 56 Resp: 7311

Ion Ratio Lower Upper

56 100

69 162.3 26.7 40.1#

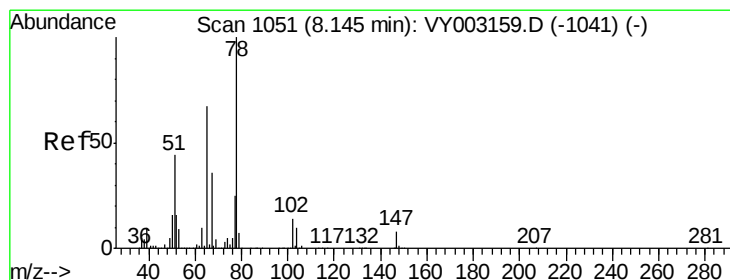
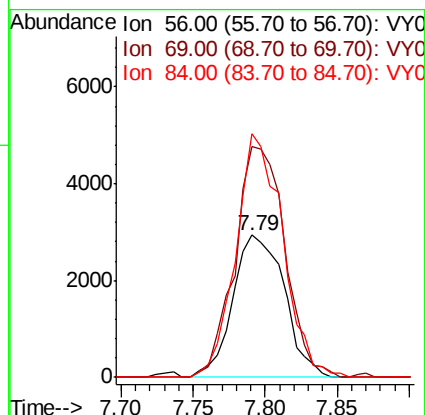
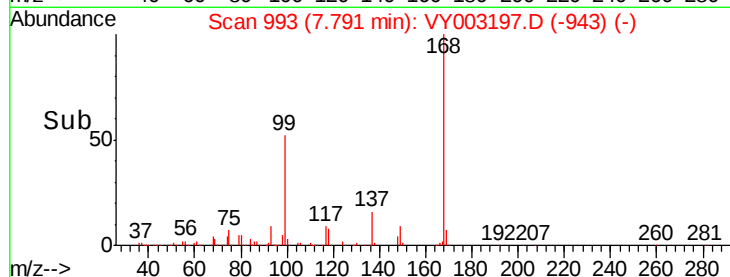
84 180.2 72.3 108.5#



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: 58.224 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003197.D

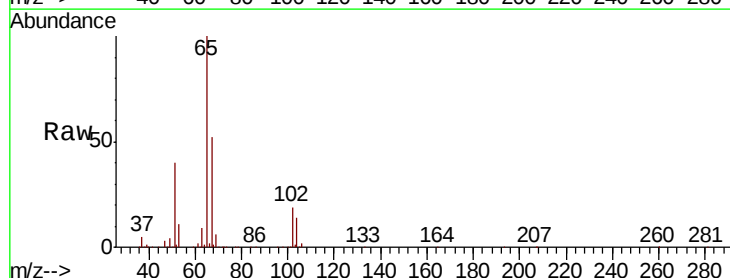
Acq: 14 Jul 2020 15:44

Tgt Ion: 65 Resp: 185685

Ion Ratio Lower Upper

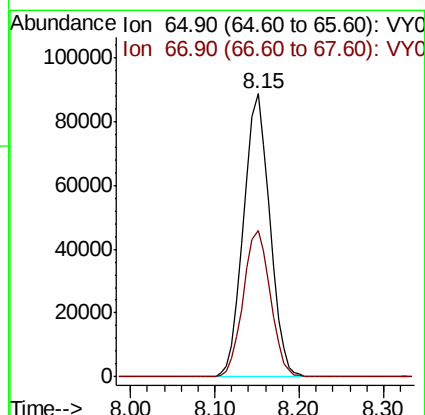
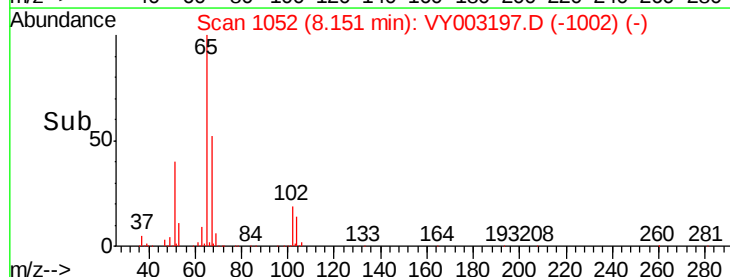
65 100

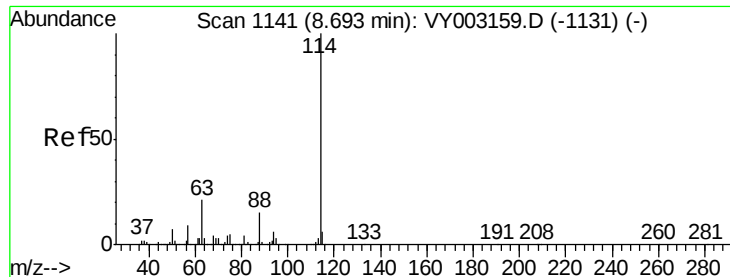
67 53.4 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

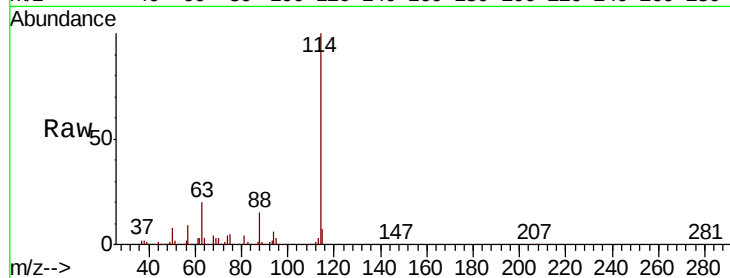




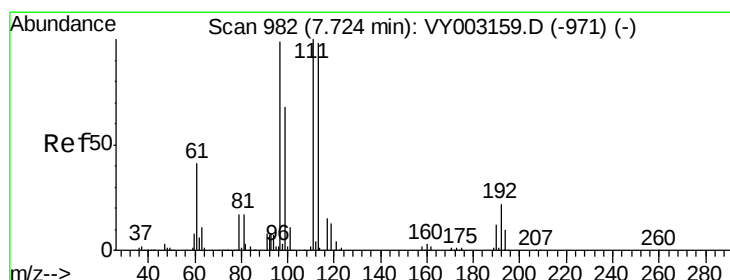
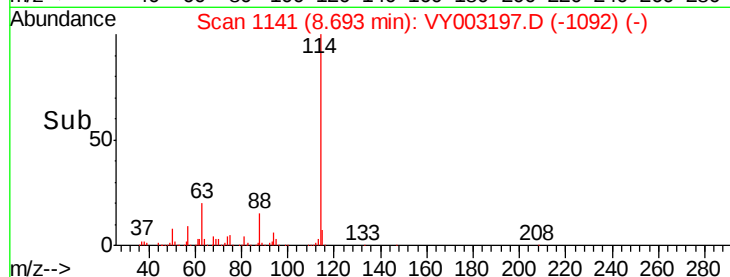
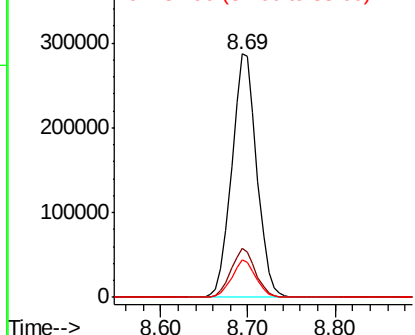
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003197.D
 Acq: 14 Jul 2020 15:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-8A-S2

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	41.2
88	15.5	0.0	30.2

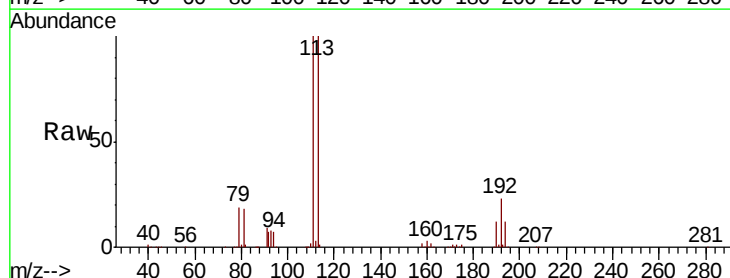


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

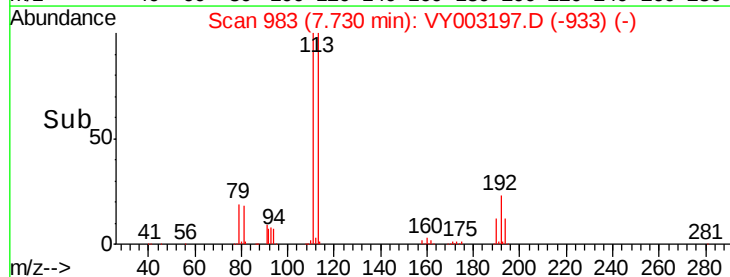
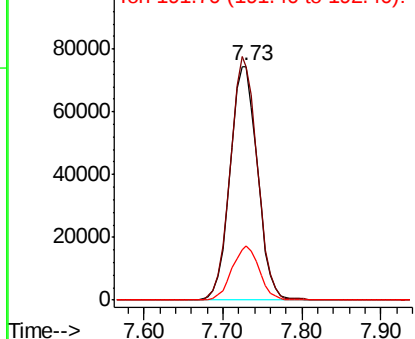


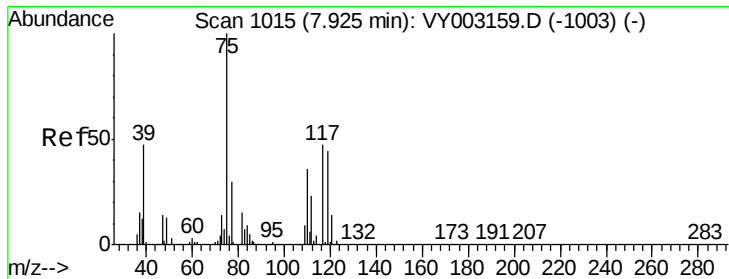
#35
 Dibromofluoromethane
 Concen: 54.834 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY003197.D
 Acq: 14 Jul 2020 15:44

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.1	123.1
192	22.8	18.8	28.2



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

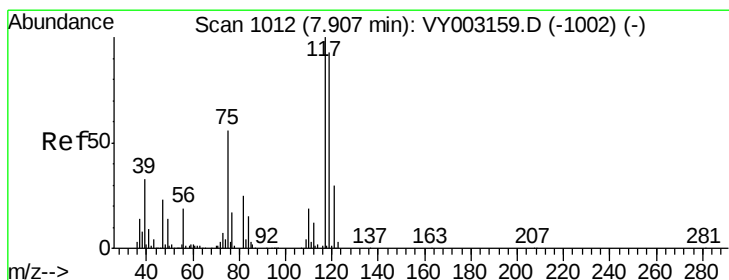
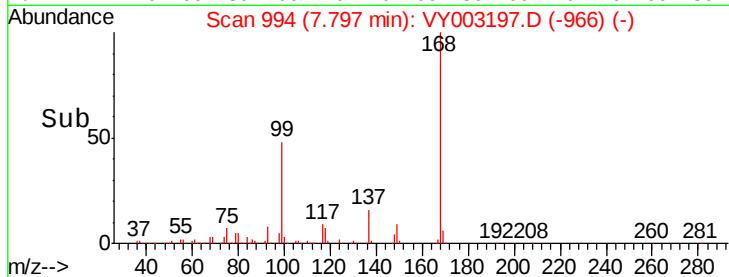
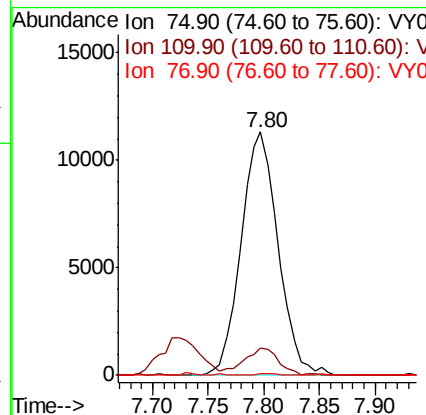
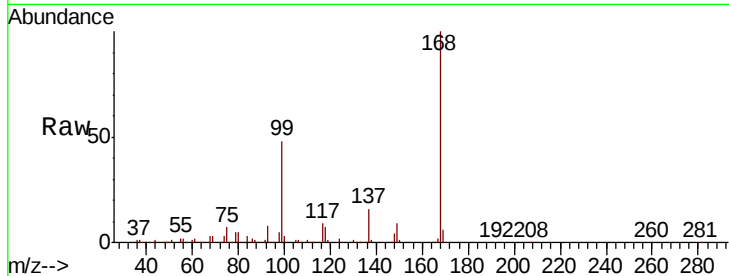




#36
 1,1-Dichloropropene
 Concen: 5.061 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003197.D
 Acq: 14 Jul 2020 15:44

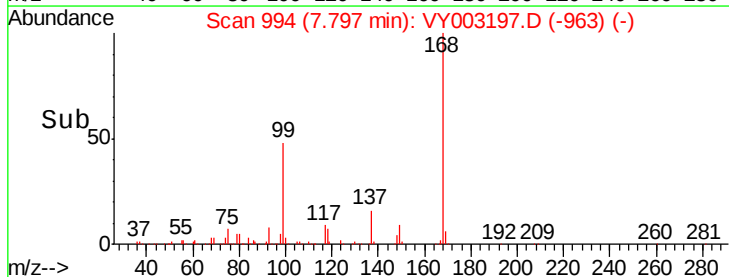
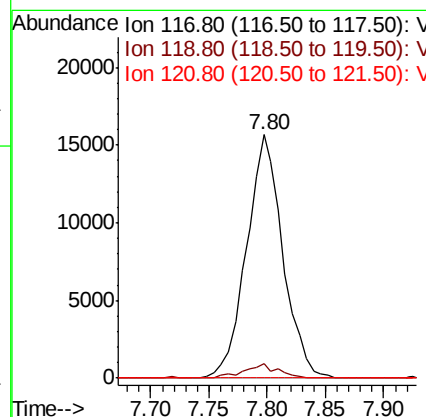
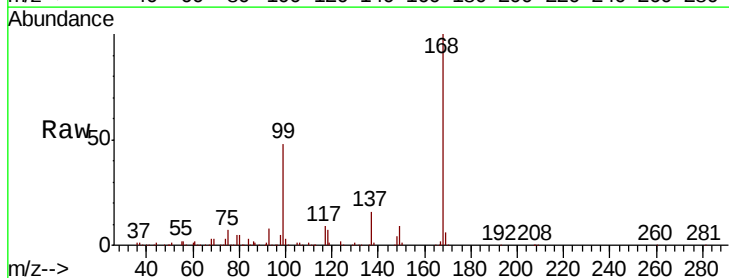
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-8A-S2

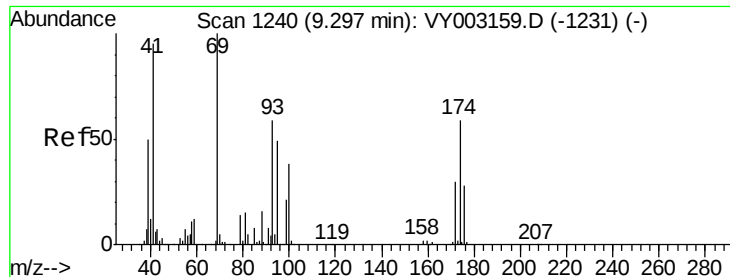
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.5	18.1	54.1#
77	0.3	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.327 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY003197.D
 Acq: 14 Jul 2020 15:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	74.5	111.7#
121	0.0	24.2	36.2#

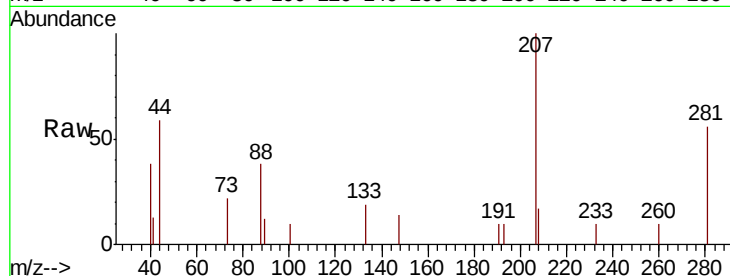




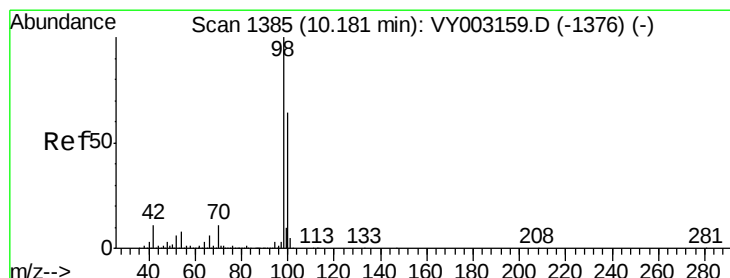
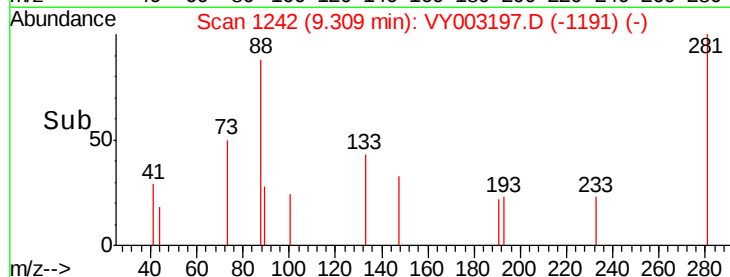
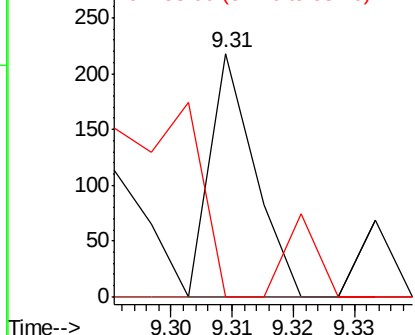
#49
 1,4-Dioxane
 Concen: 4.034 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.01 min
 Lab File: VY003197.D
 Acq: 14 Jul 2020 15:44

Instrument :
 MSVOA_Y
 ClientSampled :
 TP-8A-S2

Tot Ion: 88 Resp: 110
 Ion Ratio Lower Upper
 88 100
 43 0.0 25.6 38.4#
 58 170.9 47.8 71.6#

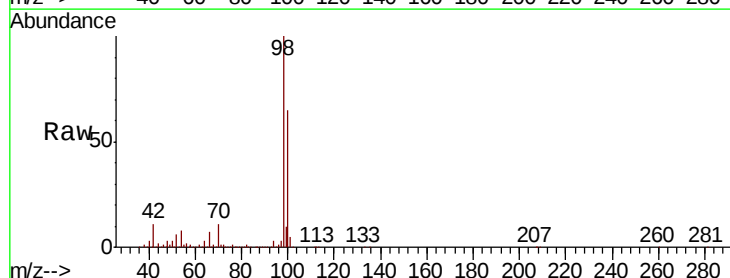


Abundance Ion 88.00 (87.70 to 88.70): VY0
 Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

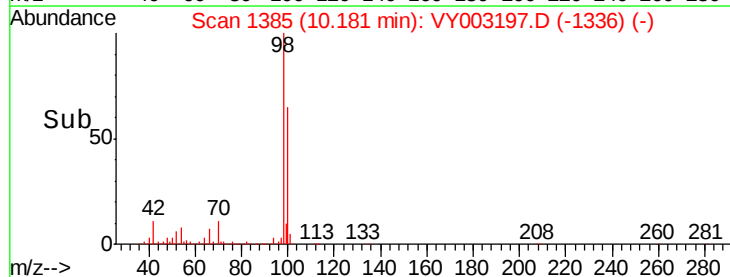
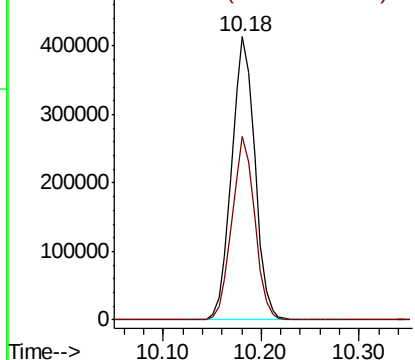


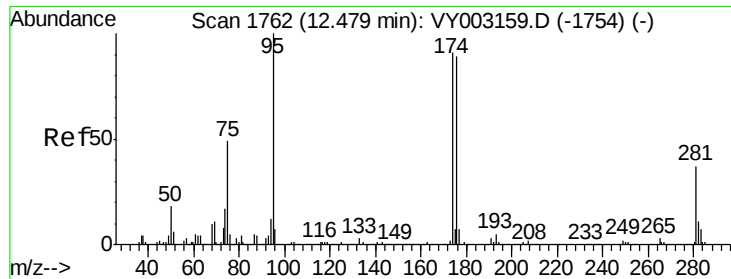
#50
 Toluene-d8
 Concen: 55.990 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VY003197.D
 Acq: 14 Jul 2020 15:44

Tgt Ion: 98 Resp: 682422
 Ion Ratio Lower Upper
 98 100
 100 63.6 50.7 76.1



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





#62

4-Bromofluorobenzene

Concen: 50.407 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003197.D

Acq: 14 Jul 2020 15:44

Instrument :

MSVOA_Y

ClientSampleId :

TP-8A-S2

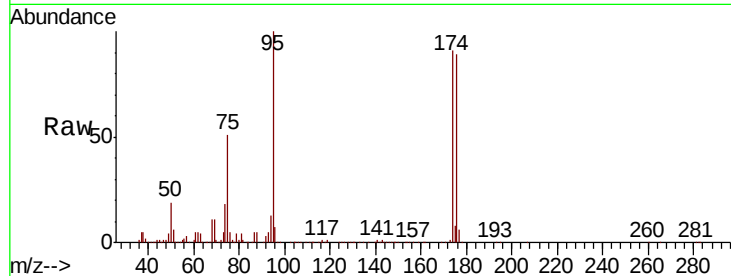
Tot Ion: 95 Resp: 221951

Ion Ratio Lower Upper

95 100

174 94.5 0.0 190.6

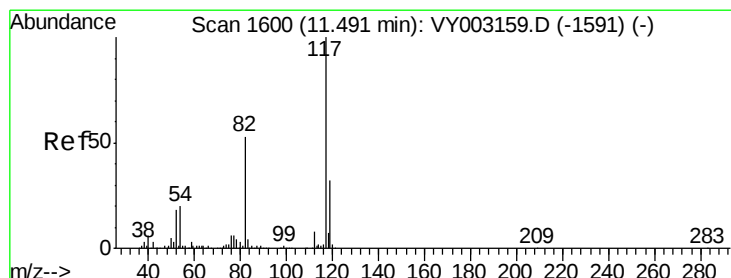
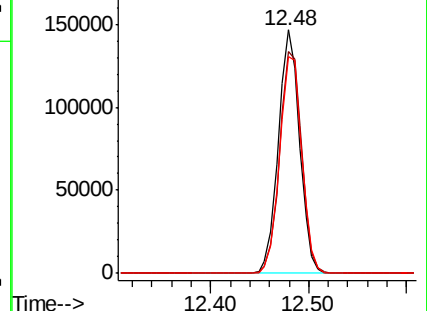
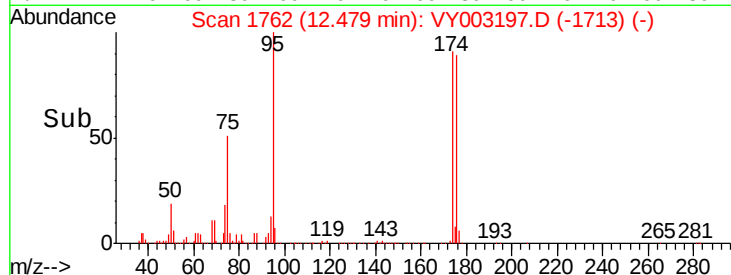
176 93.1 0.0 186.4



Abundance Ion 94.90 (94.60 to 95.60): VY003197.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY003197.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY003197.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY003197.D

Acq: 14 Jul 2020 15:44

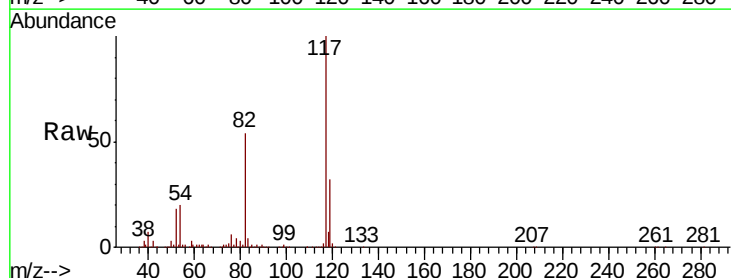
Tgt Ion: 117 Resp: 510855

Ion Ratio Lower Upper

117 100

82 54.0 42.0 63.0

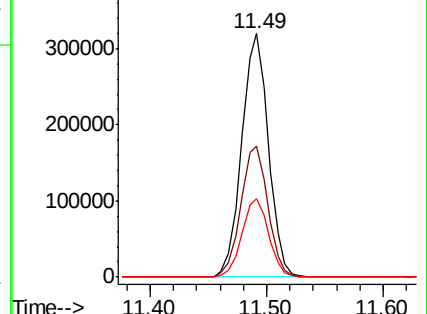
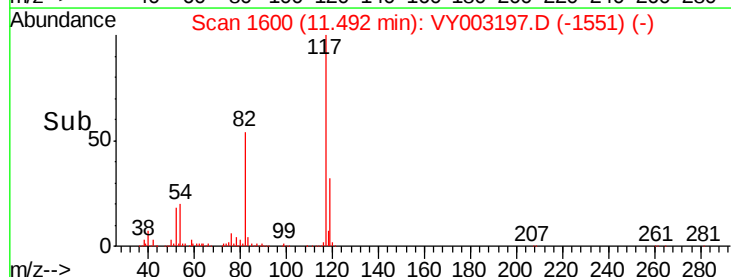
119 32.2 25.5 38.3

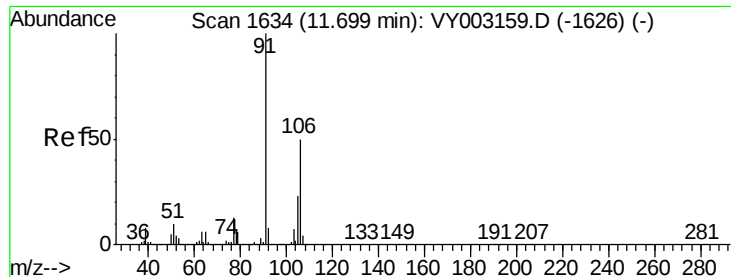


Abundance Ion 116.90 (116.60 to 117.60): VY003197.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY003197.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY003197.D (-1551) (-)





#68

m/p-Xvlenes

Concen: 1.773 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY003197.D

Acq: 14 Jul 2020 15:44

Instrument :

MSVOA_Y

ClientSampleId :

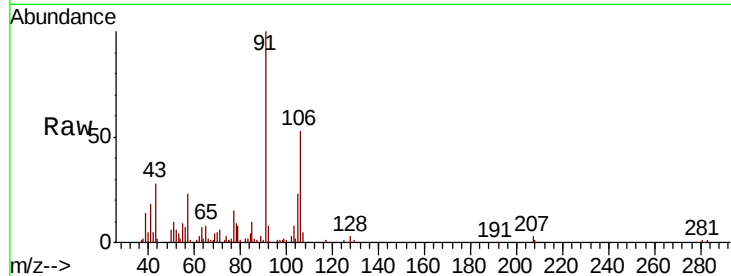
TP-8A-S2

Tot Ion:106 Resp: 11819

Ion Ratio Lower Upper

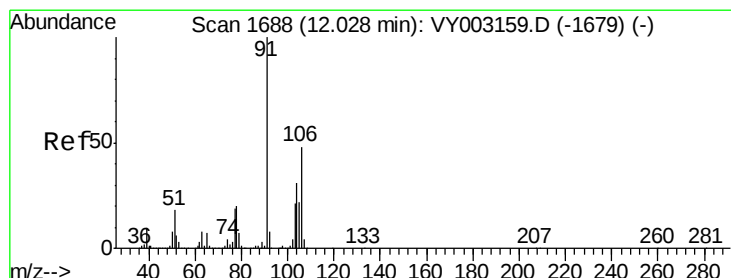
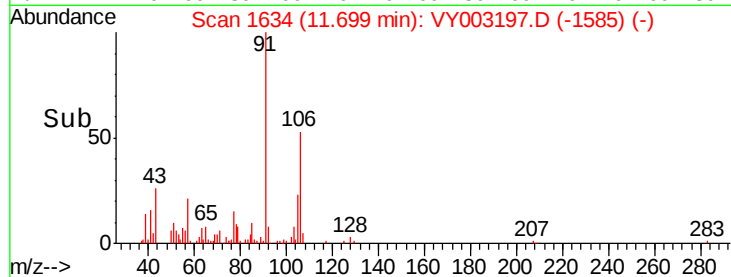
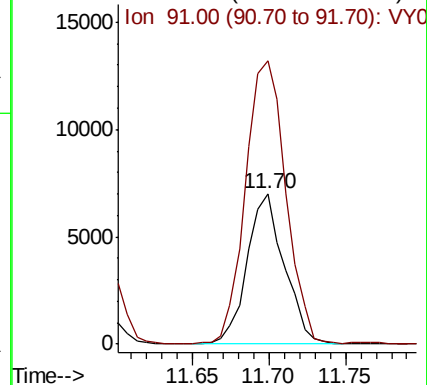
106 100

91 205.1 159.0 238.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#69

o-Xylene

Concen: 1.748 ug/l

RT: 12.03 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VY003197.D

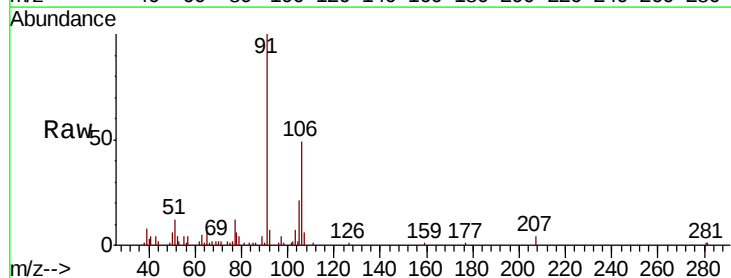
Acq: 14 Jul 2020 15:44

Tgt Ion:106 Resp: 10885

Ion Ratio Lower Upper

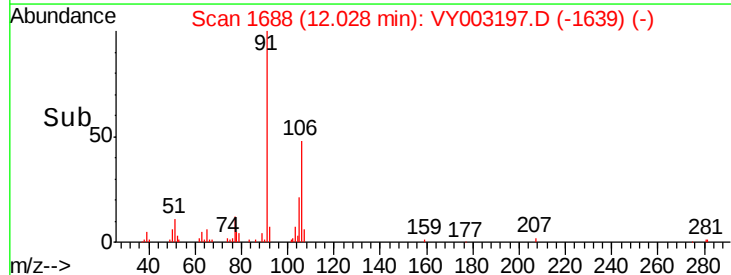
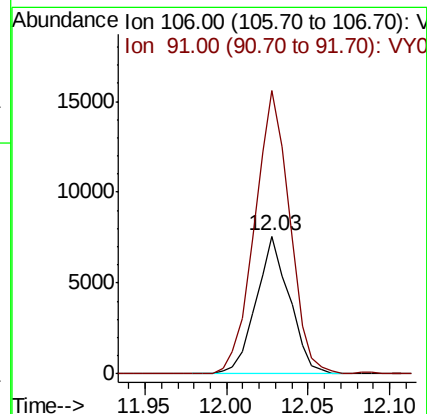
106 100

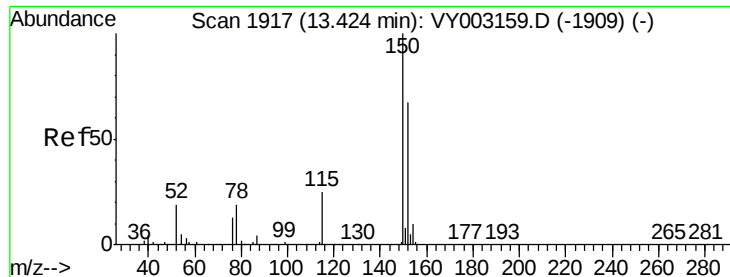
91 214.6 105.1 315.1



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: VY003197.D

Acq: 14 Jul 2020 15:44

Instrument :

MSVOA_Y

ClientSampleId :

TP-8A-S2

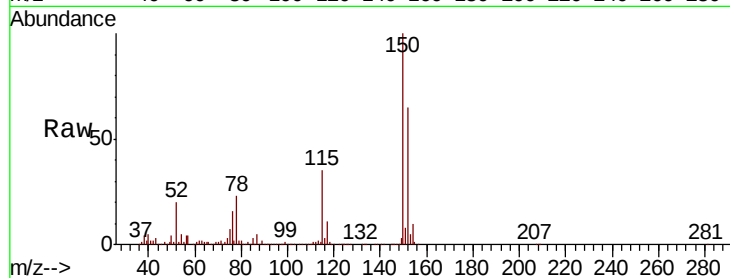
Tot Ion:152 Resp: 249660

Ion Ratio Lower Upper

152 100

115 56.8 26.9 80.7

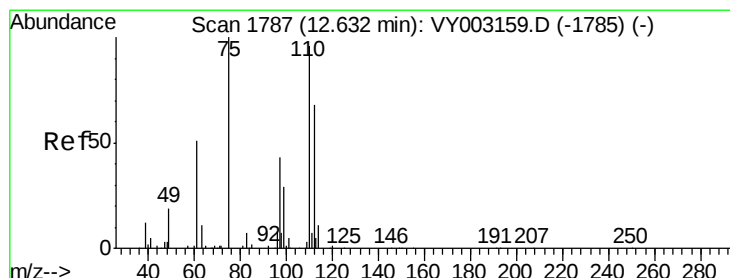
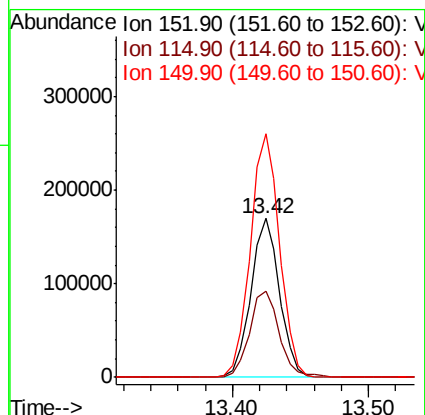
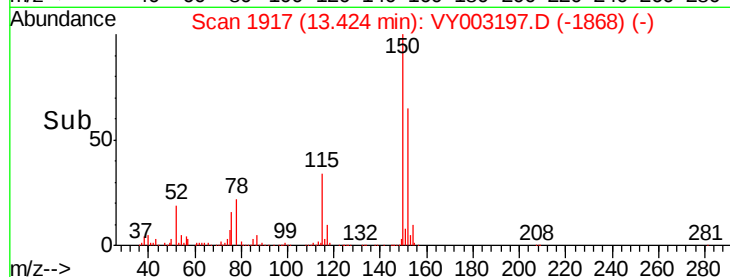
150 156.5 0.0 338.0



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: 52.034 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003197.D

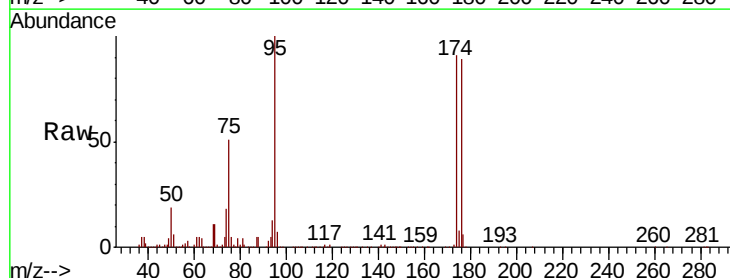
Acq: 14 Jul 2020 15:44

Tgt Ion: 75 Resp: 114990

Ion Ratio Lower Upper

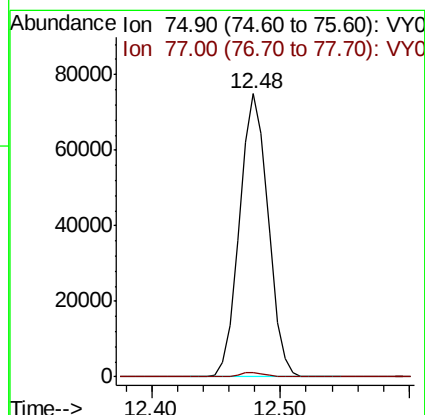
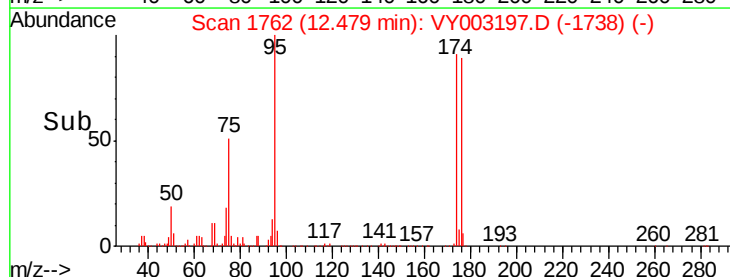
75 100

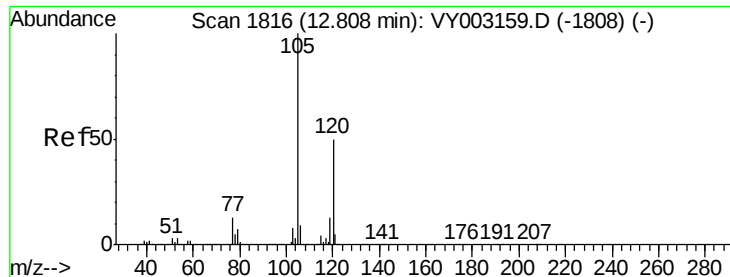
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#80

1,3,5-Trimethylbenzene

Concen: 2.896 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY003197.D

Acq: 14 Jul 2020 15:44

Instrument :

MSVOA_Y

ClientSampled :

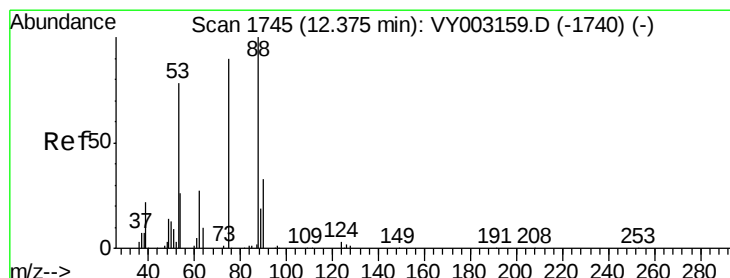
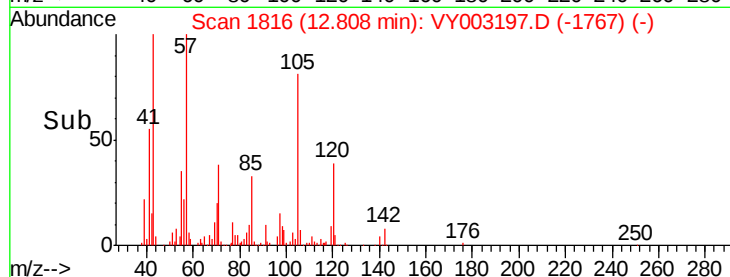
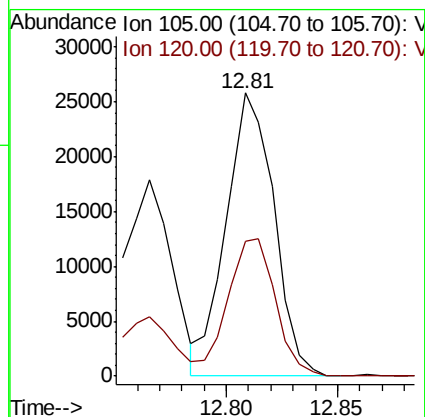
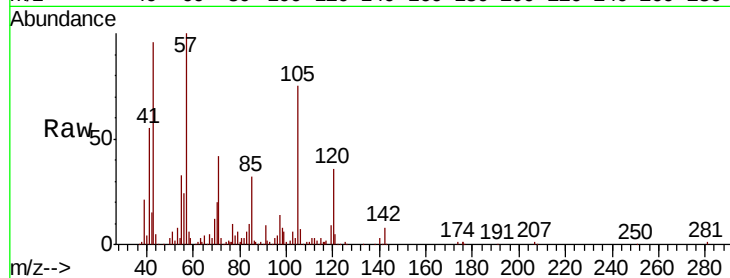
TP-8A-S2

Tot Ion:105 Resp: 38406

Ion Ratio Lower Upper

105 100

120 48.8 24.9 74.6



#81

trans-1,4-Dichloro-2-butene

Concen: 101.267 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003197.D

Acq: 14 Jul 2020 15:44

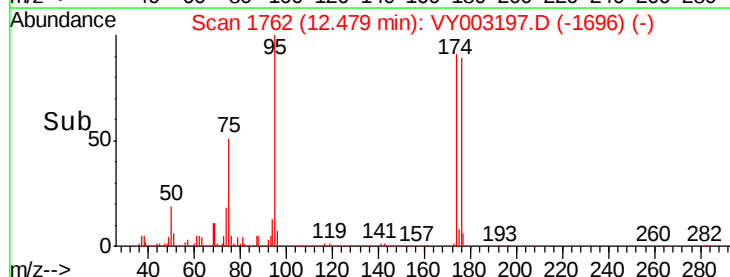
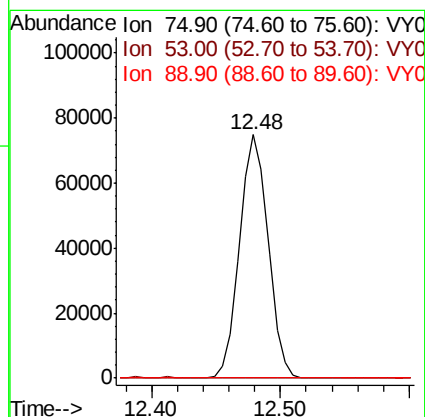
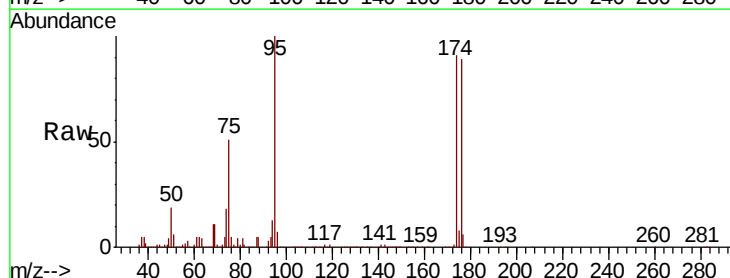
Tgt Ion: 75 Resp: 114990

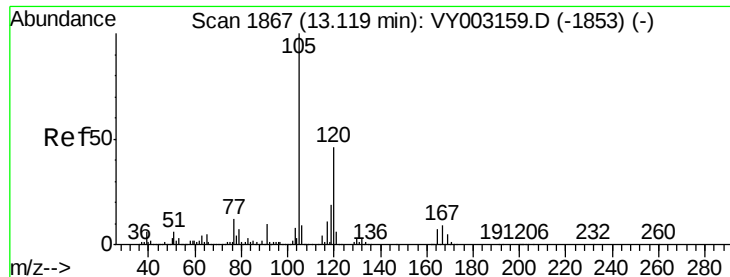
Ion Ratio Lower Upper

75 100

53 0.3 72.0 108.0#

89 0.0 37.3 55.9#

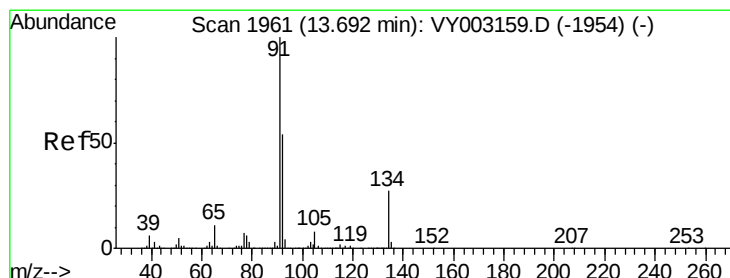
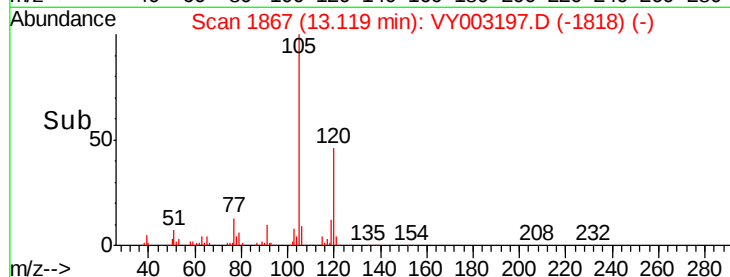
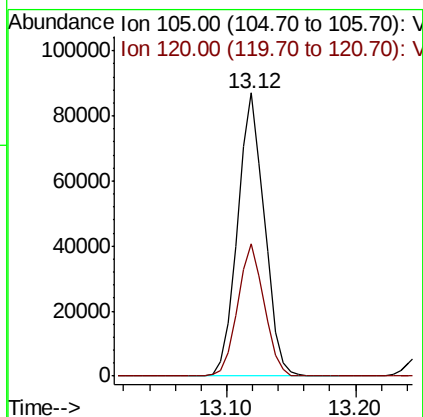
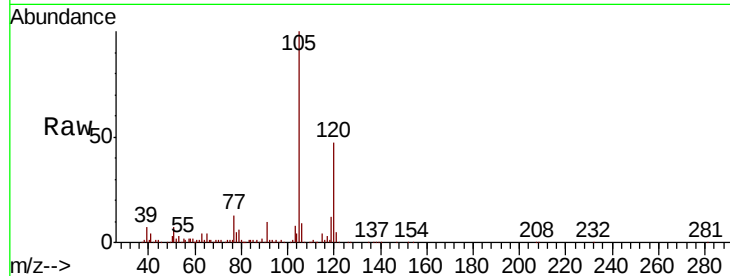




#84
 1,2,4-Trimethylbenzene
 Concen: 9.403 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY003197.D
 Acq: 14 Jul 2020 15:44

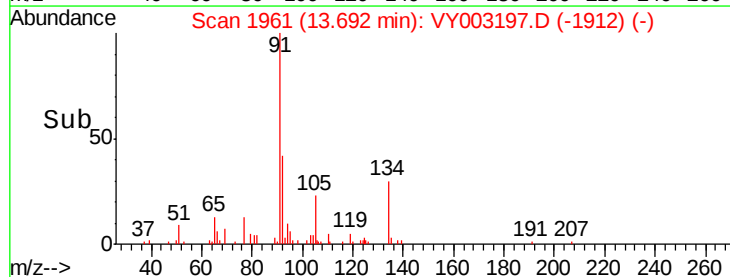
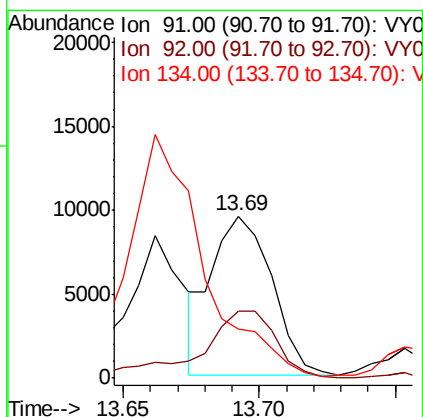
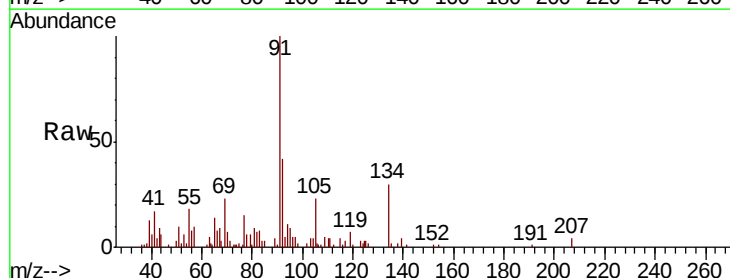
Instrument :
 MSVOA_Y
 ClientSampled :
 TP-8A-S2

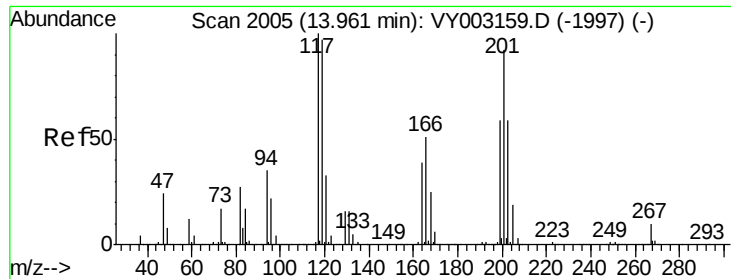
Tot Ion: 105 Resp: 125452
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.5 67.5



#89
 n-Butylbenzene
 Concen: 1.031 ug/l
 RT: 13.69 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VY003197.D
 Acq: 14 Jul 2020 15:44

Tgt Ion: 91 Resp: 14556
 Ion Ratio Lower Upper
 91 100
 92 53.2 26.9 80.7
 134 0.0 13.6 40.7#





#90

Hexachloroethane

Concen: 2.327 ug/l

RT: 13.97 min Scan# 2007

Delta R.T. 0.01 min

Lab File: VY003197.D

Acq: 14 Jul 2020 15:44

Instrument :

MSVOA_Y

ClientSampleId :

TP-8A-S2

Tot Ion:117 Resp: 6364

Ion Ratio Lower Upper

117 100

201 0.0 45.1 135.3#

