

Data File : VY002451.D
Acq On : 21 Apr 2020 21:59
Operator : SY/MD
Sample : L2351-05
Misc : 7.27G/5ML/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-20-(1-2)

Quant Time: Apr 22 02:40:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042020S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 20 15:14:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	209456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	345999	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	305397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	136964	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	109034	71.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.14%	
35) Dibromofluoromethane	7.74	113	22579	12.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	24.82%	
50) Toluene-d8	10.19	98	474846	64.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.02%	
62) 4-Bromofluorobenzene	12.49	95	146750	60.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.78%	

Target Compounds

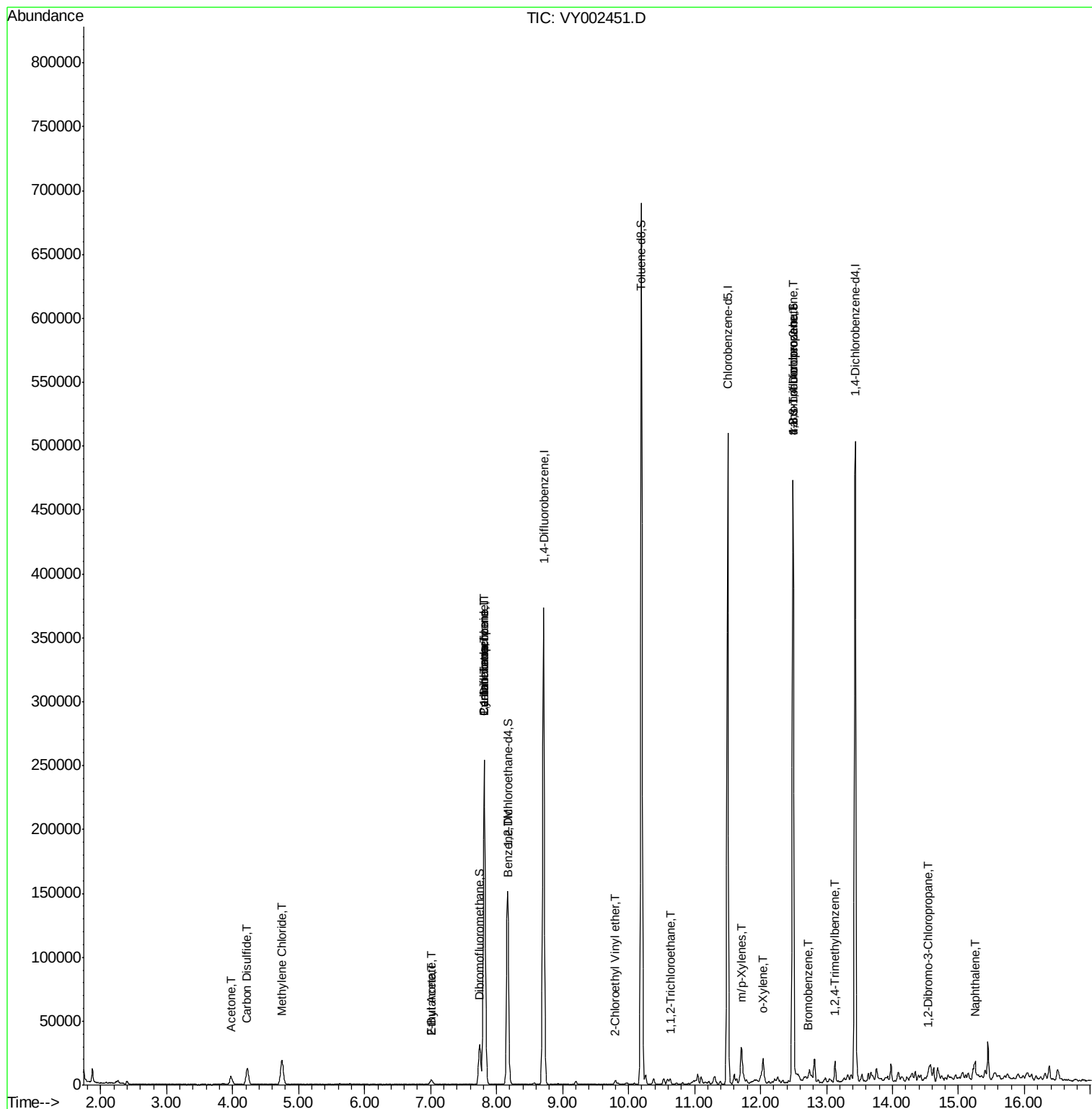
						Qvalue
16) Acetone	3.97	43	11010	27.045	ug/l	92
17) Carbon Disulfide	4.22	76	26509	4.374	ug/l	100
20) Methylene Chloride	4.74	84	15557	6.829	ug/l	95
25) 2-Butanone	7.02	43	2366	4.077	ug/l	97
31) Cyclohexane	7.81	56	3394	1.077	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	13006	4.672	ug/l #	47
37) Ethyl Acetate	7.02	43	2366	1.817	ug/l #	64
38) Carbon Tetrachloride	7.81	117	18529	6.607	ug/l #	15
40) Benzene	8.18	78	9523	1.111	ug/l	99
55) 1,1,2-Trichloroethane	10.63	97	2051	1.197	ug/l #	20
58) 2-Chloroethyl Vinyl ether	9.80	63	1381	1.263	ug/l	99
68) m/p-Xylenes	11.71	106	8394	2.144	ug/l	98
69) o-Xylene	12.03	106	4757	1.289	ug/l	96
76) 1,2,3-Trichloropropane	12.49	75	67865	56.244	ug/l #	100
77) Bromobenzene	12.72	156	3659	1.616	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.49	75	67865	109.614	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.13	105	9389	1.265	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.53	75	295	1.168	ug/l #	1
95) Naphthalene	15.25	128	8253	1.541	ug/l #	94

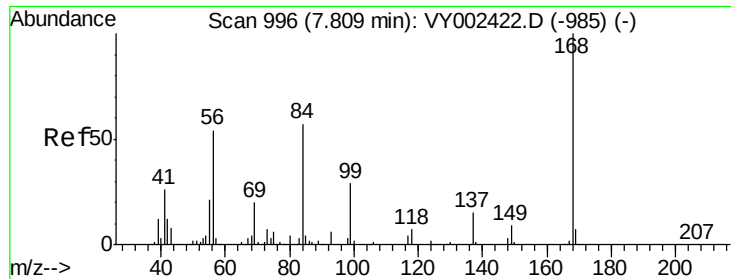
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002451.D

Acq: 21 Apr 2020 21:59

Instrument :

MSVOA_Y

ClientSampleId :

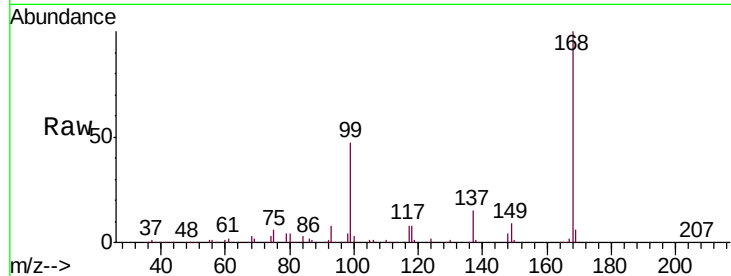
TP-20-(1-2)

Tgt Ion:168 Resp: 209456

Ion Ratio Lower Upper

168 100

99 47.0 37.0 55.4



Abundance Ion 167.90 (167.60 to 168.60): VY002422.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002422.D (-985) (-)

7.82

100000

80000

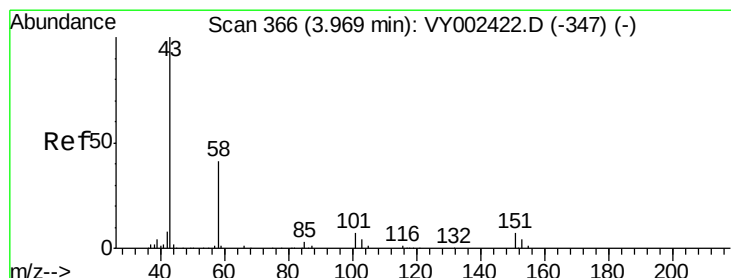
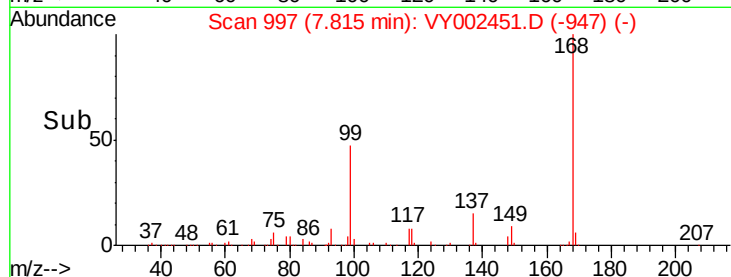
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 27.045 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002451.D

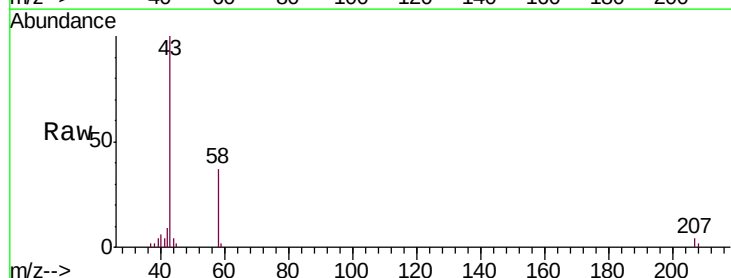
Acq: 21 Apr 2020 21:59

Tgt Ion: 43 Resp: 11010

Ion Ratio Lower Upper

43 100

58 35.5 32.6 48.8



Abundance Ion 43.00 (42.70 to 43.70): VY002422.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY002422.D (-347) (-)

3.97

4000

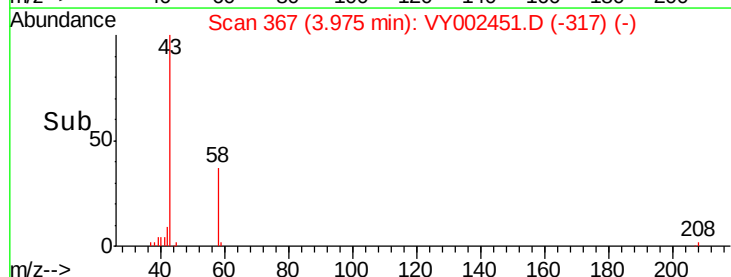
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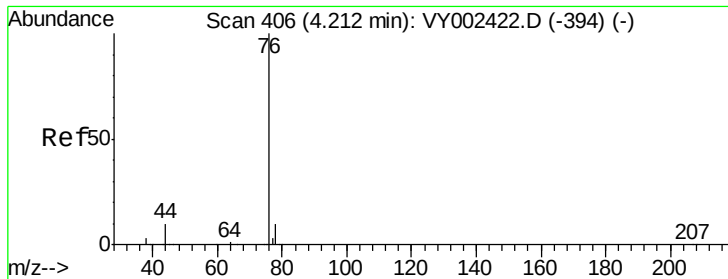
2000

1000

0

Time-->





#17

Carbon Disulfide

Concen: 4.374 ug/l

RT: 4.22 min Scan# 407

Delta R.T. 0.01 min

Lab File: VY002451.D

Acq: 21 Apr 2020 21:59

Instrument :

MSVOA_Y

ClientSampleId :

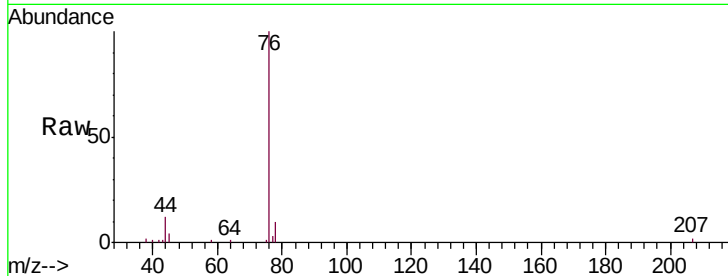
TP-20-(1-2)

Tgt Ion: 76 Resp: 26509

Ion Ratio Lower Upper

76 100

78 9.8 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VY002422.D (-394) (-)

Ion 77.90 (77.60 to 78.60): VY002422.D (-394) (-)

4.22

10000

8000

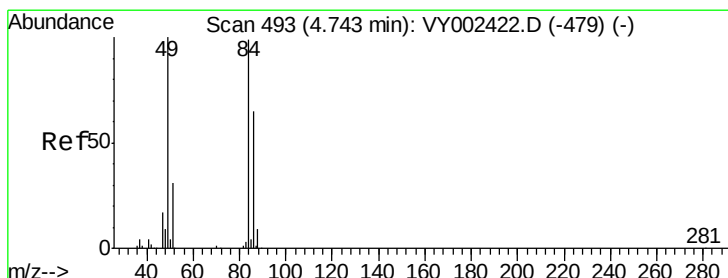
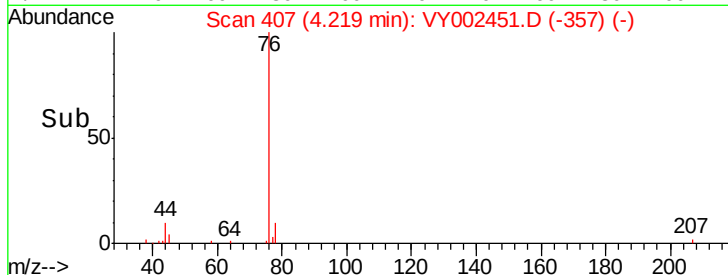
6000

4000

2000

0

Time-->



#20

Methylene Chloride

Concen: 6.829 ug/l

RT: 4.74 min Scan# 493

Delta R.T. 0.00 min

Lab File: VY002451.D

Acq: 21 Apr 2020 21:59

Tgt Ion: 84 Resp: 15557

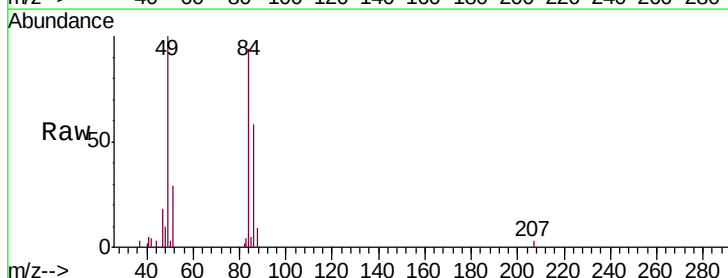
Ion Ratio Lower Upper

84 100

49 106.6 81.0 121.6

51 30.9 24.9 37.3

86 61.7 52.7 79.1



Abundance Ion 83.90 (83.60 to 84.60): VY002422.D (-479) (-)

Ion 48.90 (48.60 to 49.60): VY002422.D (-479) (-)

Ion 50.90 (50.60 to 51.60): VY002422.D (-479) (-)

Ion 85.90 (85.60 to 86.60): VY002422.D (-479) (-)

4.74

8000

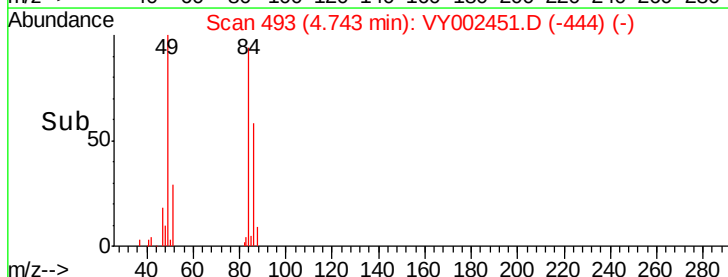
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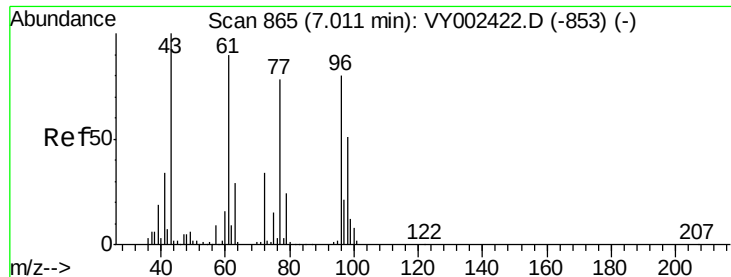
4000

2000

0

Time-->

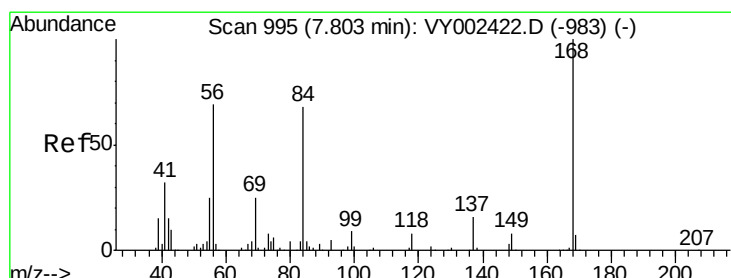
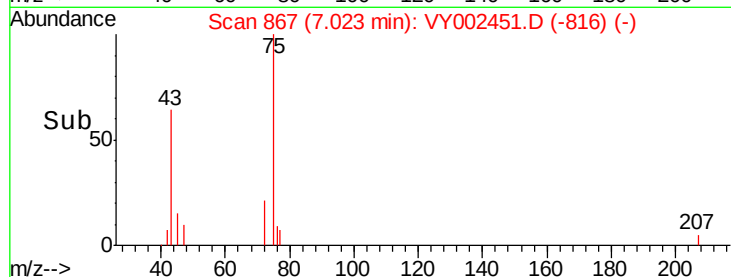
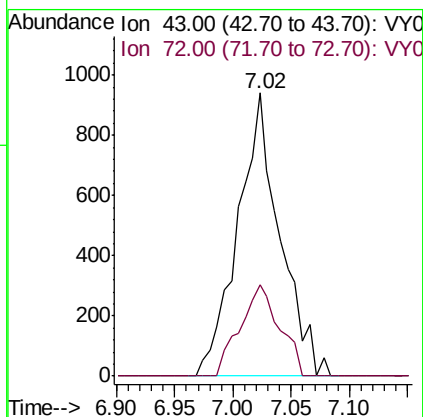
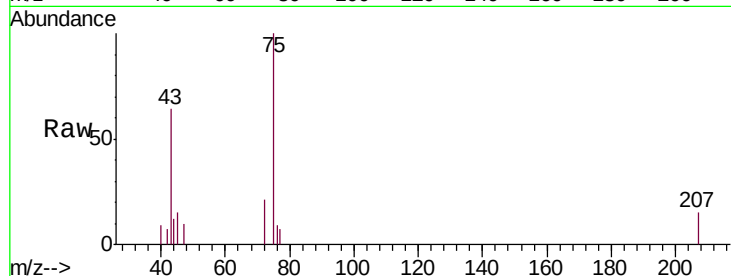




#25
2-Butanone
Concen: 4.077 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY002451.D
Acq: 21 Apr 2020 21:59

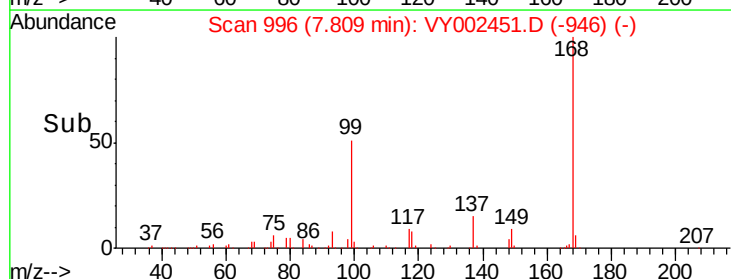
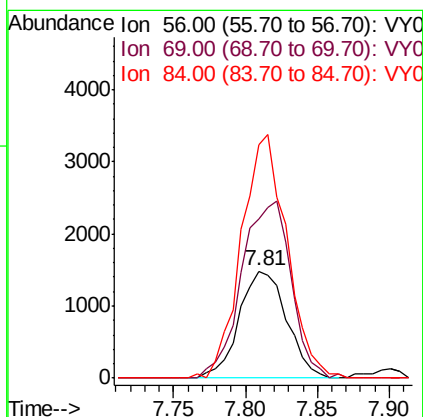
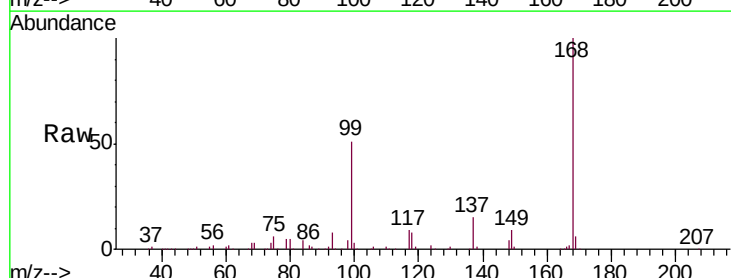
Instrument :
MSVOA_Y
ClientSampled :
TP-20-(1-2)

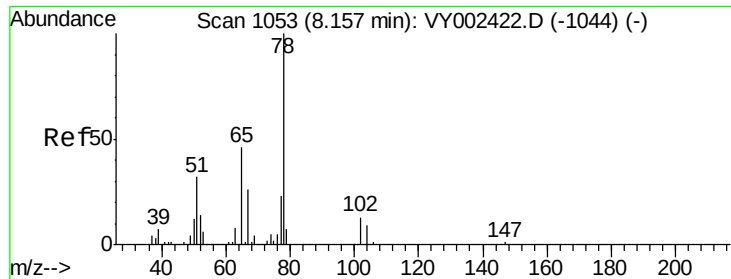
Tgt Ion: 43 Resp: 2366
Ion Ratio Lower Upper
43 100
72 32.2 27.0 40.6



#31
Cyclohexane
Concen: 1.077 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.01 min
Lab File: VY002451.D
Acq: 21 Apr 2020 21:59

Tgt Ion: 56 Resp: 3394
Ion Ratio Lower Upper
56 100
69 149.0 29.1 43.7#
84 218.1 79.4 119.2#

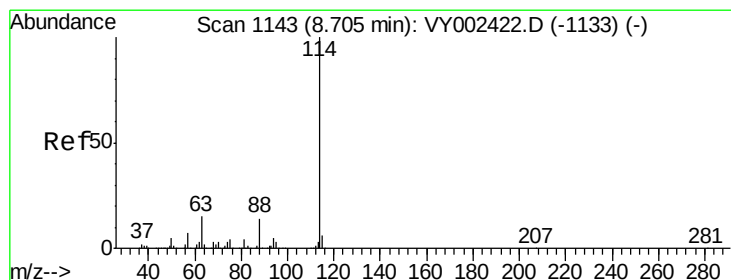
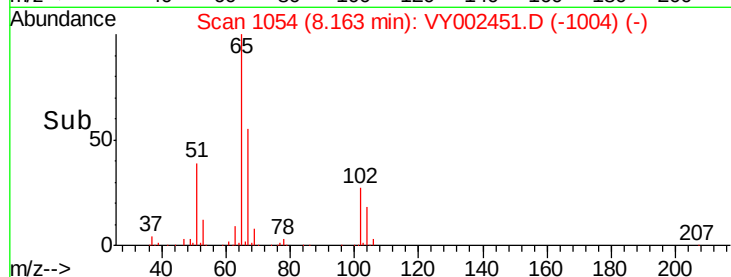
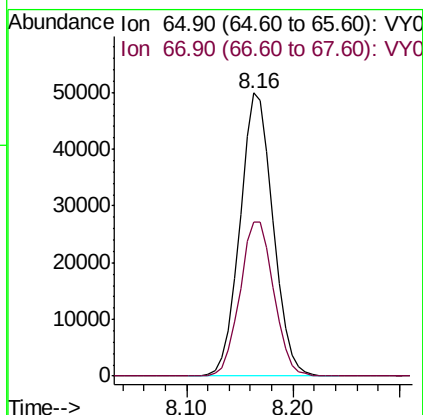
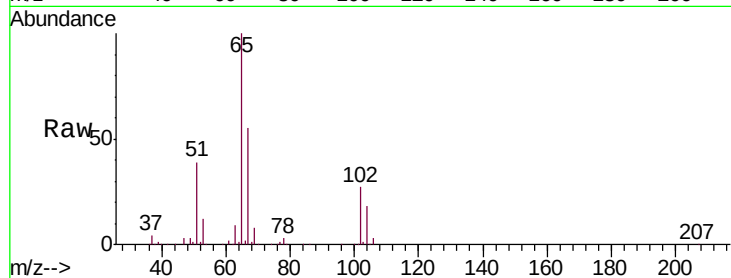




#33
 1,2-Dichloroethane-d4
 Concen: 71.573 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VY002451.D
 Acq: 21 Apr 2020 21:59

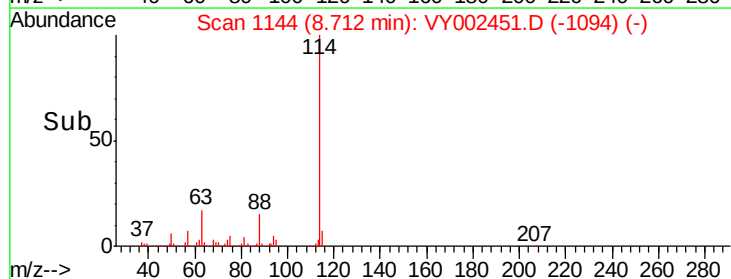
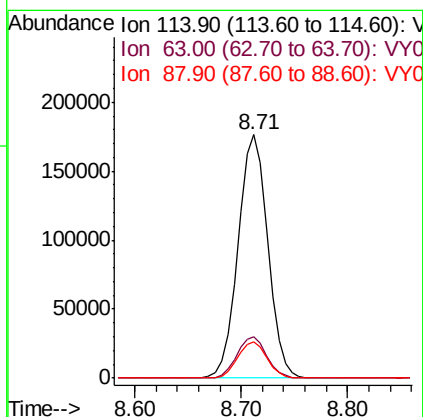
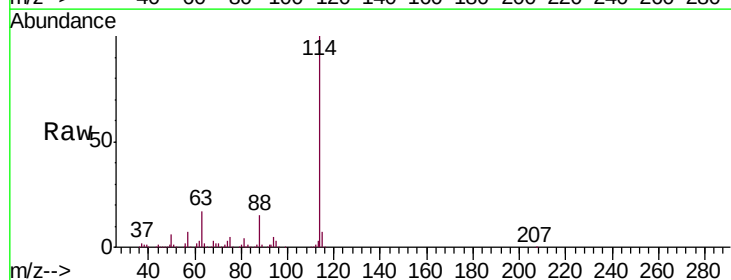
Instrument :
 MSVOA_Y
 ClientSampled :
 TP-20-(1-2)

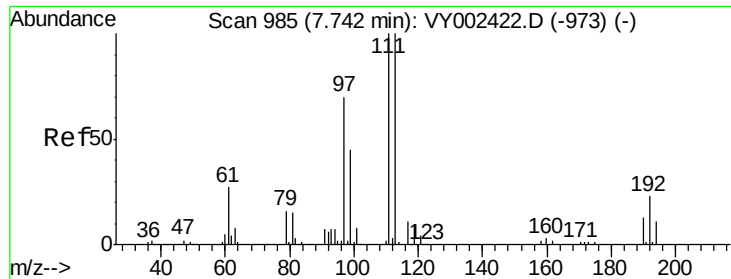
Tgt Ion: 65 Resp: 109034
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002451.D
 Acq: 21 Apr 2020 21:59

Tgt Ion: 114 Resp: 345999
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 31.0
 88 15.1 0.0 28.2

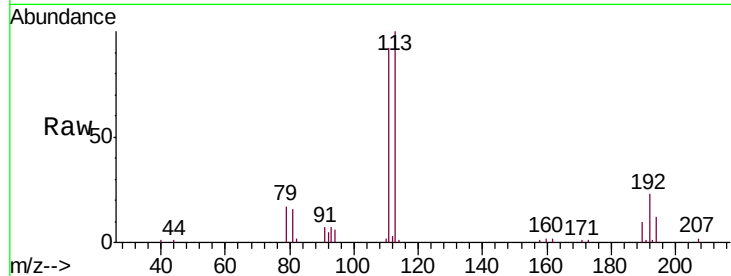




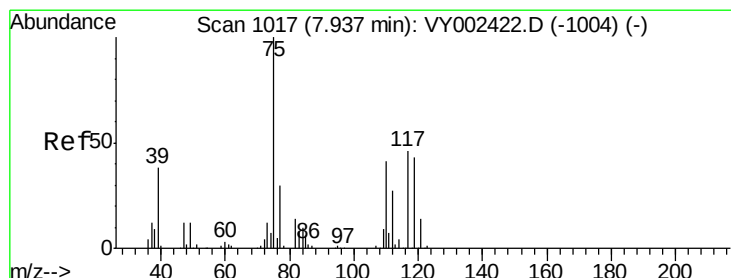
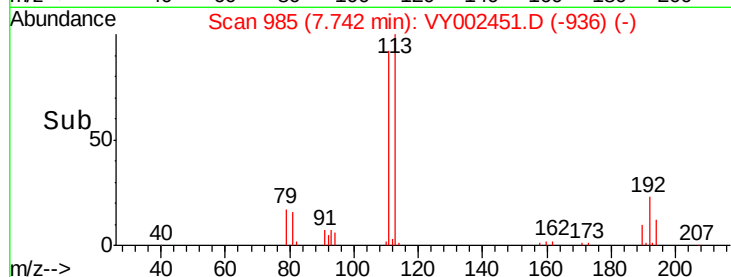
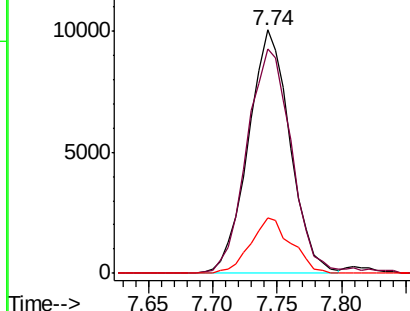
#35
 Dibromofluoromethane
 Concen: 12.407 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: VY002451.D
 Acq: 21 Apr 2020 21:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-20-(1-2)

Tgt Ion: 113 Resp: 22579
 Ion Ratio Lower Upper
 113 100
 111 97.7 81.7 122.5
 192 22.2 17.8 26.6

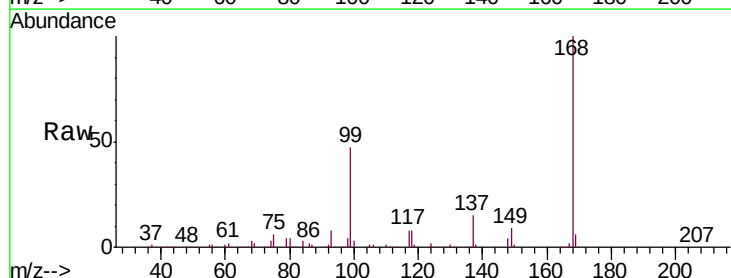


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

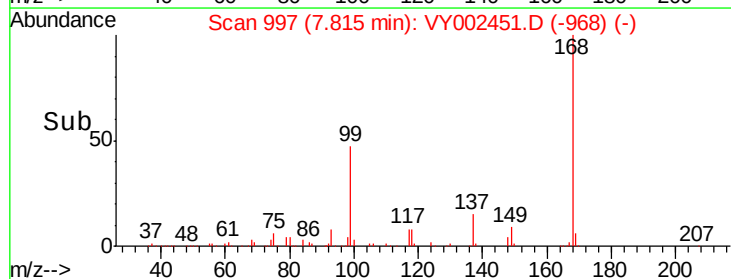
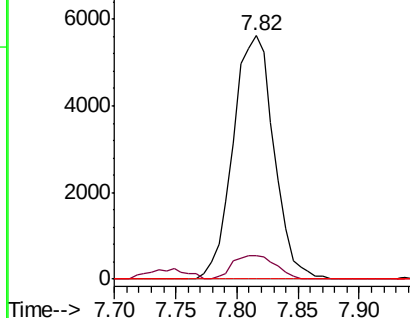


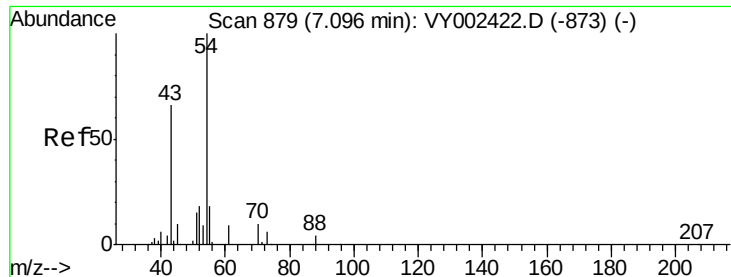
#36
 1,1-Dichloropropene
 Concen: 4.672 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY002451.D
 Acq: 21 Apr 2020 21:59

Tgt Ion: 75 Resp: 13006
 Ion Ratio Lower Upper
 75 100
 110 10.3 20.4 61.2#
 77 0.0 25.5 38.3#



Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VY0

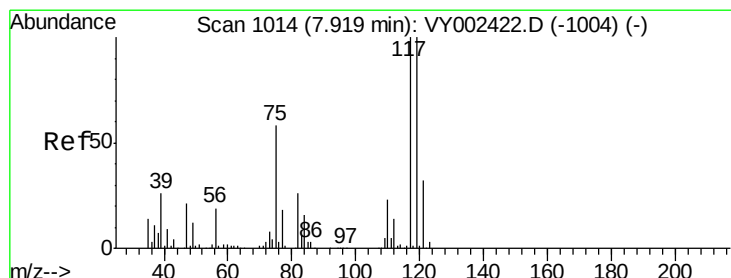
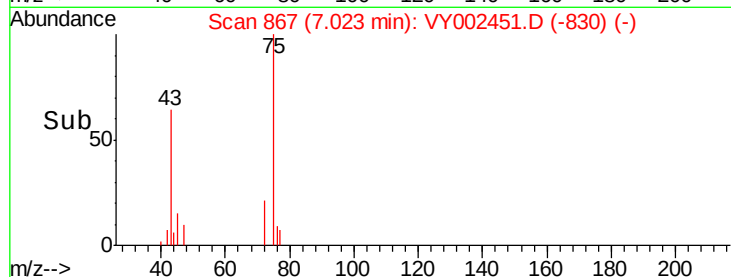
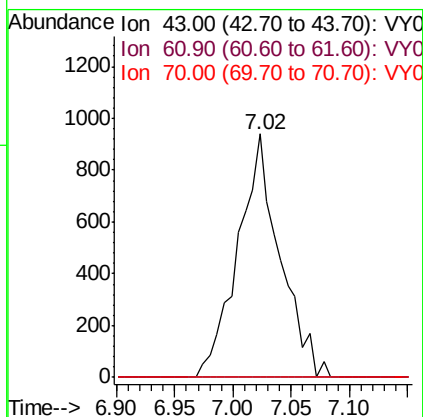
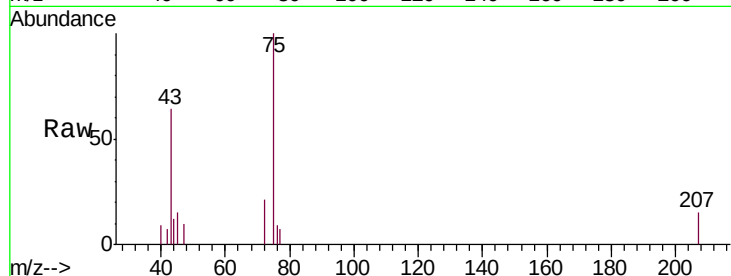




#37
 Ethyl Acetate
 Concen: 1.817 ug/l
 RT: 7.02 min Scan# 867
 Delta R.T. -0.07 min
 Lab File: VY002451.D
 Acq: 21 Apr 2020 21:59

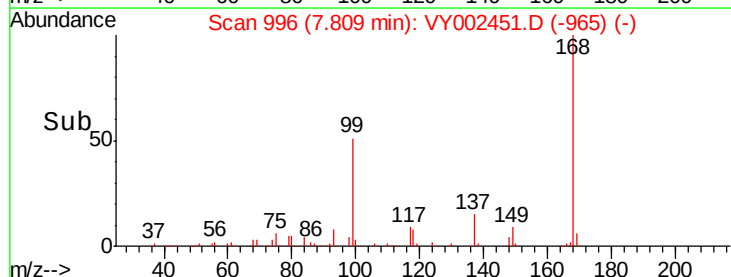
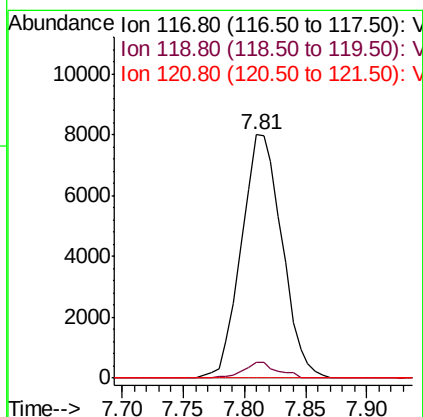
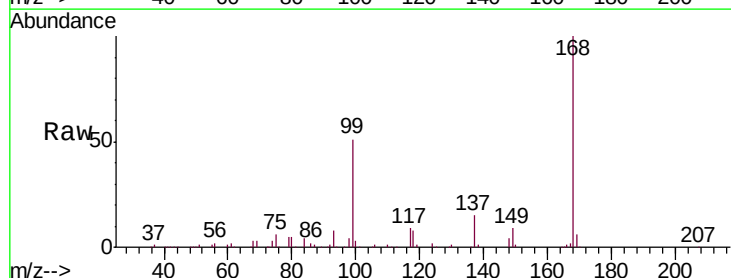
Instrument :
 MSVOA_Y
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 TP-20-(1-2)

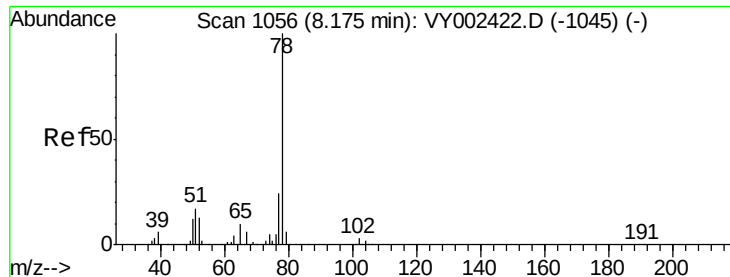
Tgt Ion: 43 Resp: 2366
 Ion Ratio Lower Upper
 43 100
 61 0.0 13.5 20.3#
 70 0.0 10.6 16.0#



#38
 Carbon Tetrachloride
 Concen: 6.607 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.11 min
 Lab File: VY002451.D
 Acq: 21 Apr 2020 21:59

Tgt Ion: 117 Resp: 18529
 Ion Ratio Lower Upper
 117 100
 119 6.3 79.6 119.4#
 121 0.0 25.4 38.2#





#40

Benzene

Concen: 1.111 ug/l

RT: 8.18 min Scan# 1057

Delta R.T. 0.01 min

Lab File: VY002451.D

Acq: 21 Apr 2020 21:59

Instrument :

MSVOA_Y

ClientSampleId :

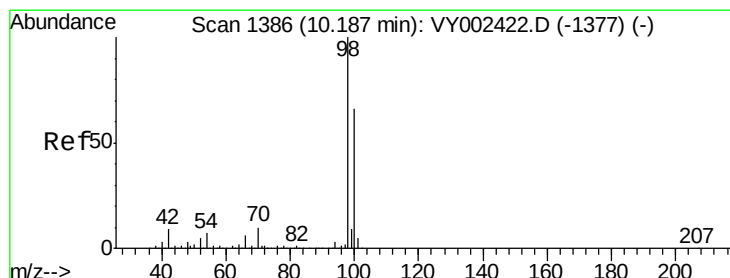
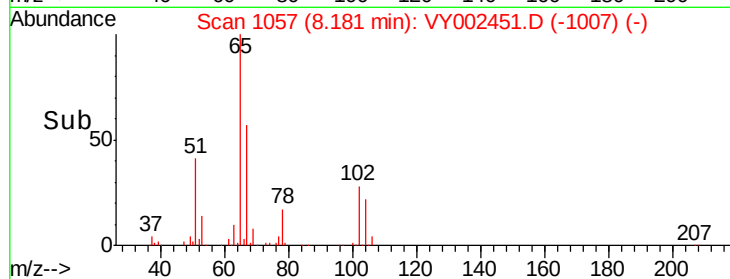
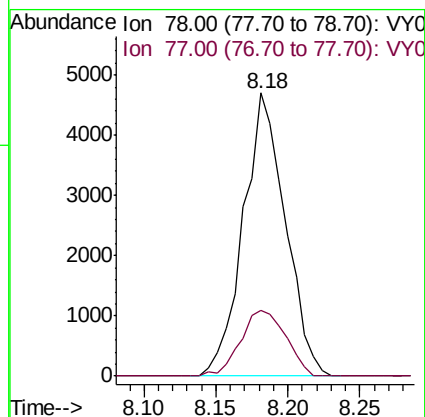
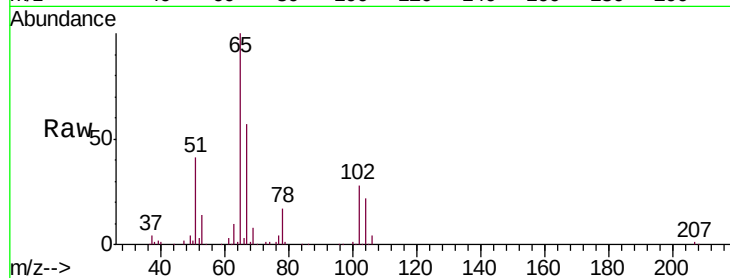
TP-20-(1-2)

Tgt Ion: 78 Resp: 9523

Ion Ratio Lower Upper

78 100

77 23.4 19.0 28.4



#50

Toluene-d8

Concen: 64.511 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002451.D

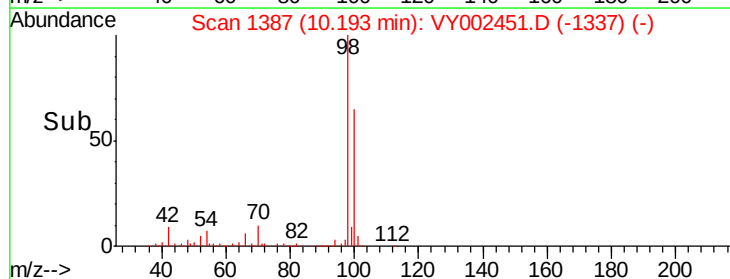
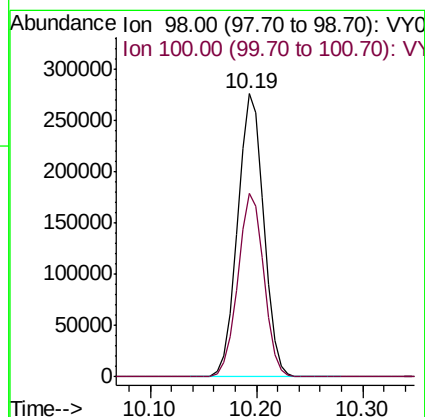
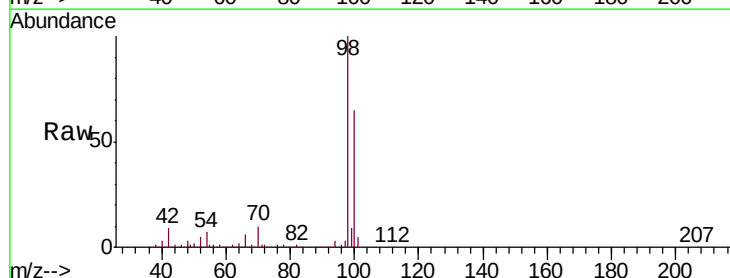
Acq: 21 Apr 2020 21:59

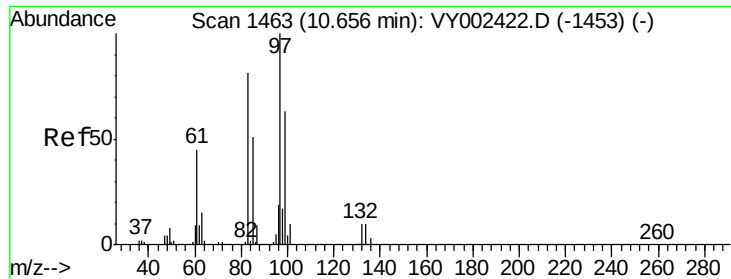
Tgt Ion: 98 Resp: 474846

Ion Ratio Lower Upper

98 100

100 64.3 51.6 77.4

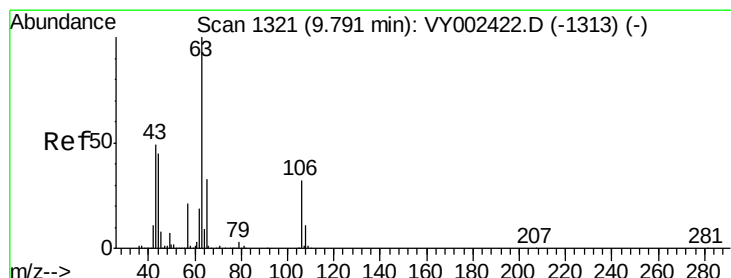
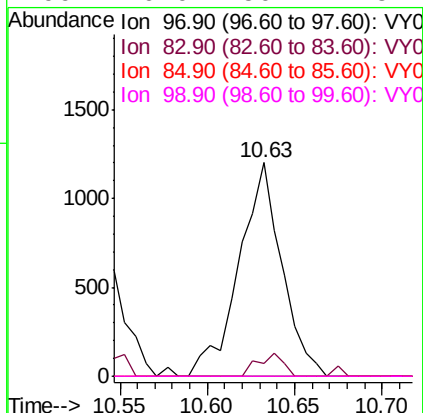
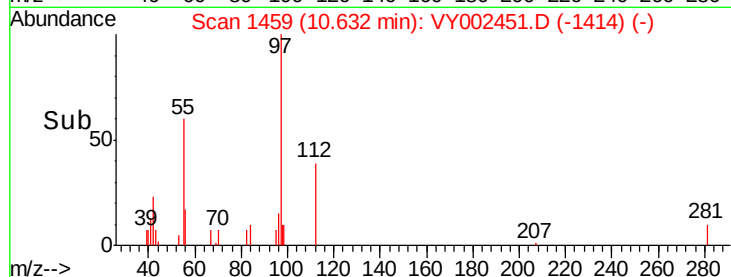
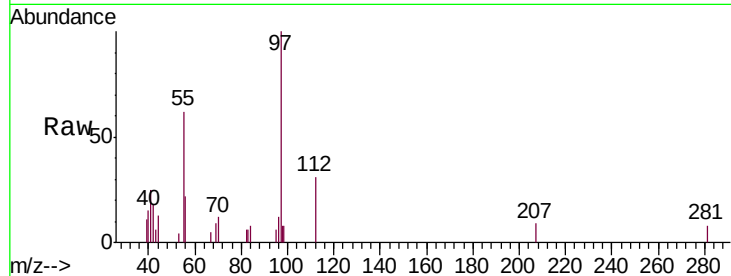




#55
 1,1,2-Trichloroethane
 Concen: 1.197 ug/l
 RT: 10.63 min Scan# 1459
 Delta R.T. -0.02 min
 Lab File: VY002451.D
 Acq: 21 Apr 2020 21:59

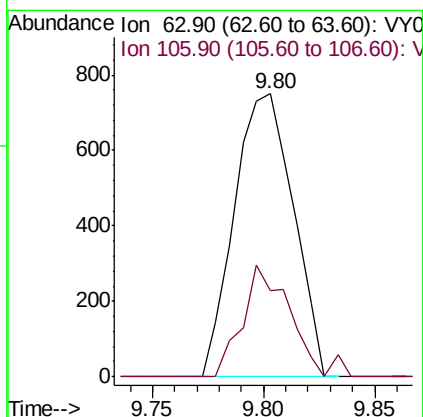
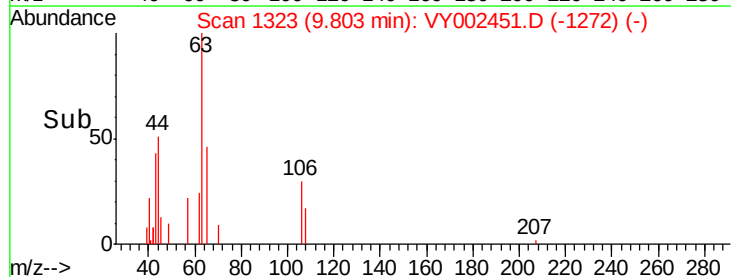
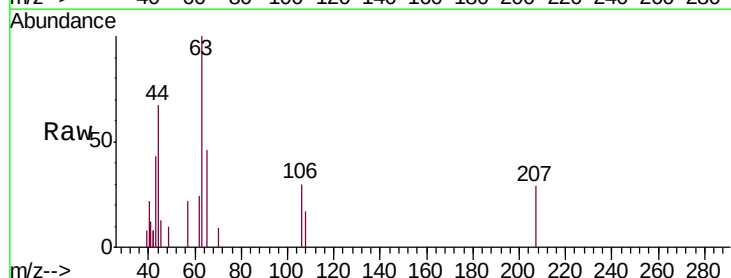
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-20-(1-2)

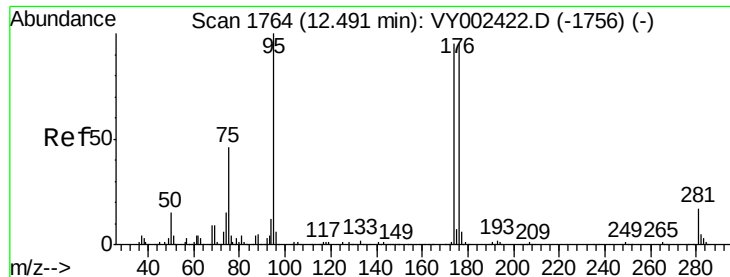
Tgt Ion: 97 Resp: 2051
 Ion Ratio Lower Upper
 97 100
 83 6.1 64.6 96.8#
 85 0.0 41.1 61.7#
 99 0.0 50.2 75.2#



#58
 2-Chloroethyl Vinyl ether
 Concen: 1.263 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY002451.D
 Acq: 21 Apr 2020 21:59

Tgt Ion: 63 Resp: 1381
 Ion Ratio Lower Upper
 63 100
 106 32.2 26.2 39.4





#62

4-Bromofluorobenzene

Concen: 60.385 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY002451.D

Acq: 21 Apr 2020 21:59

Instrument :

MSVOA_Y

ClientSampleId :

TP-20-(1-2)

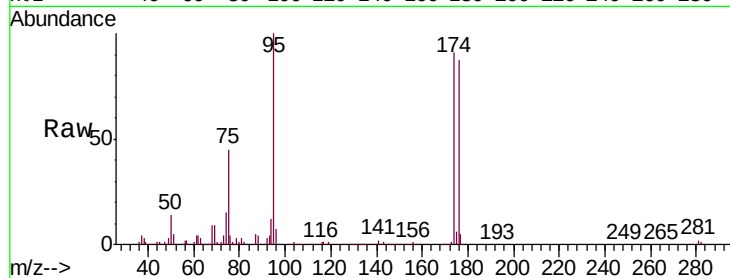
Tgt Ion: 95 Resp: 146750

Ion Ratio Lower Upper

95 100

174 91.0 0.0 185.8

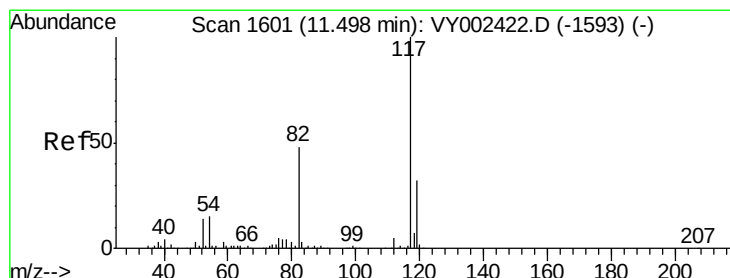
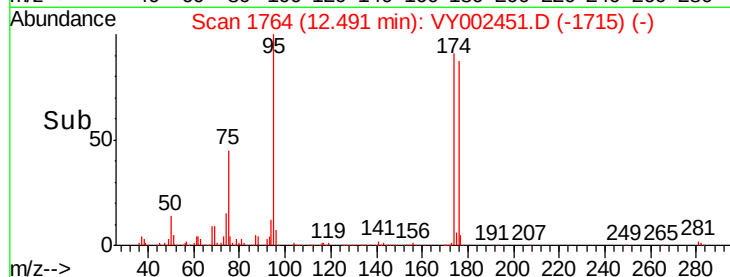
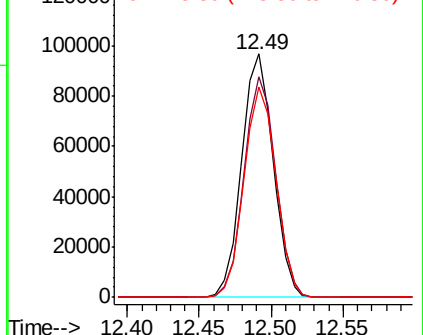
176 87.4 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.01 min

Lab File: VY002451.D

Acq: 21 Apr 2020 21:59

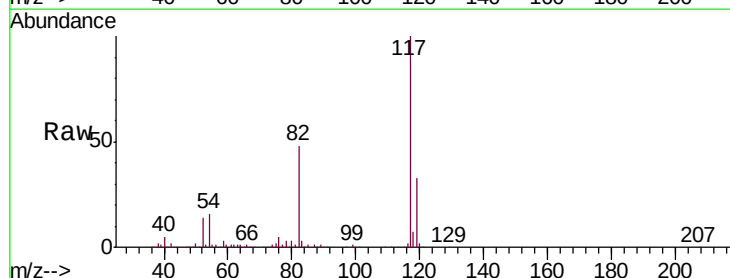
Tgt Ion: 117 Resp: 305397

Ion Ratio Lower Upper

117 100

82 48.4 38.4 57.6

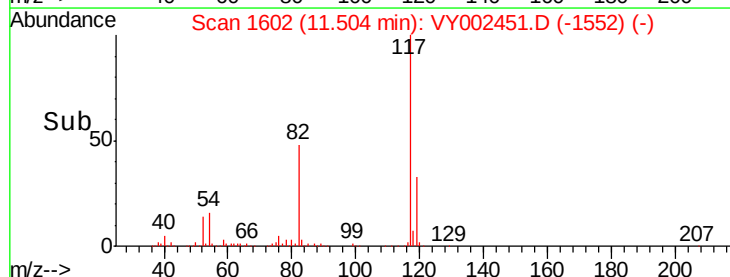
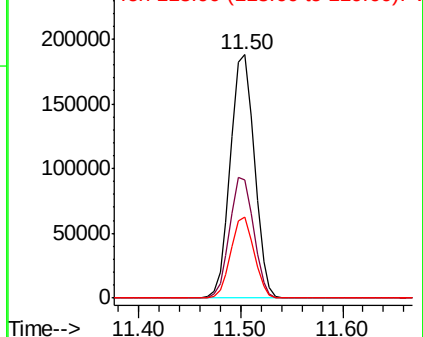
119 33.5 25.3 37.9

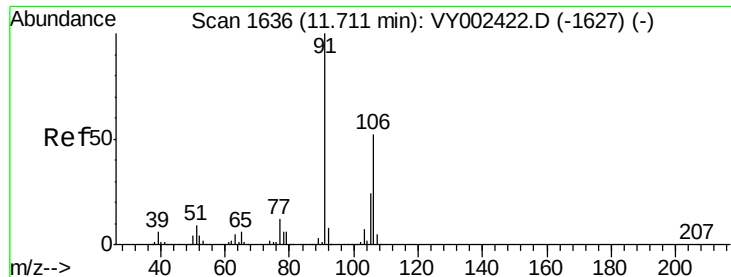


Abundance Ion 116.90 (116.60 to 117.60): VY0

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): VY0

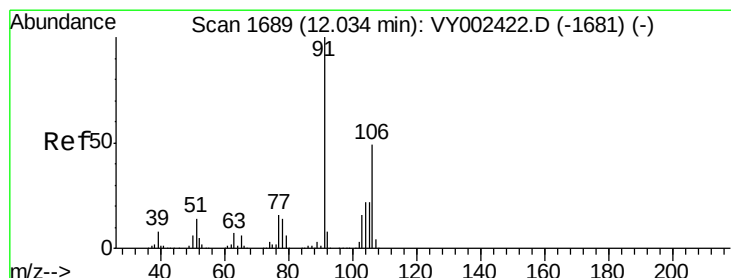
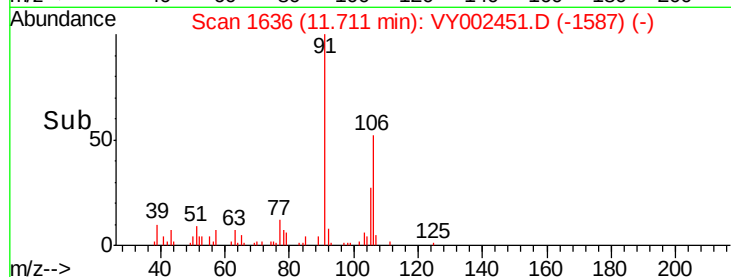
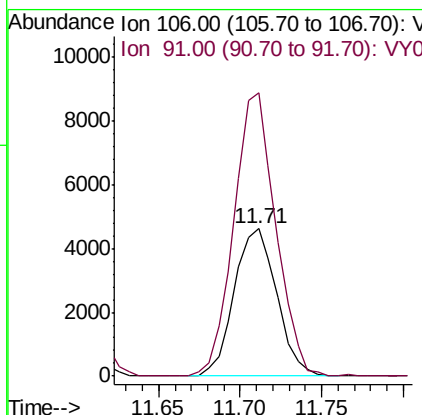
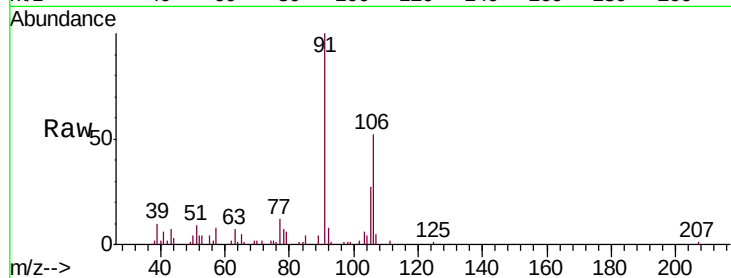




#68
m/p-Xylenes
Concen: 2.144 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY002451.D
Acq: 21 Apr 2020 21:59

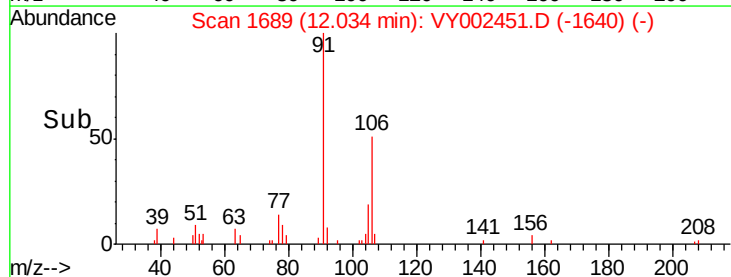
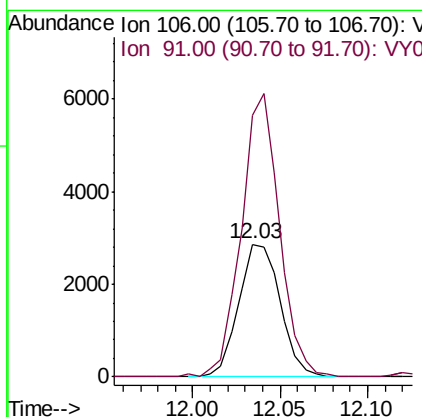
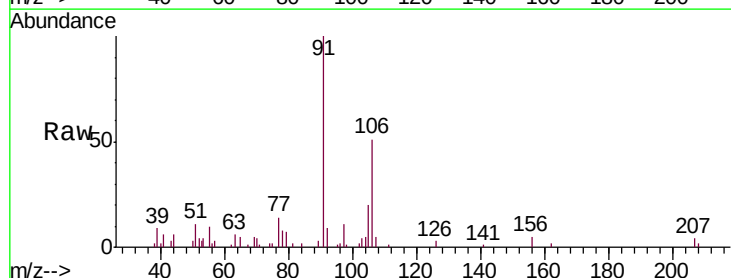
Instrument :
MSVOA_Y
ClientSampled :
TP-20-(1-2)

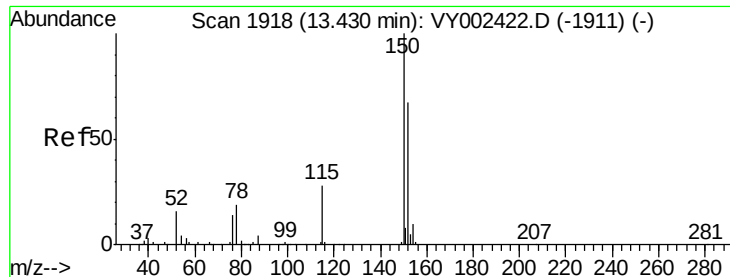
Tgt Ion:106 Resp: 8394
Ion Ratio Lower Upper
106 100
91 189.4 153.6 230.4



#69
o-Xylene
Concen: 1.289 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY002451.D
Acq: 21 Apr 2020 21:59

Tgt Ion:106 Resp: 4757
Ion Ratio Lower Upper
106 100
91 195.4 100.4 301.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY002451.D

Acq: 21 Apr 2020 21:59

Instrument :

MSVOA_Y

ClientSampleId :

TP-20-(1-2)

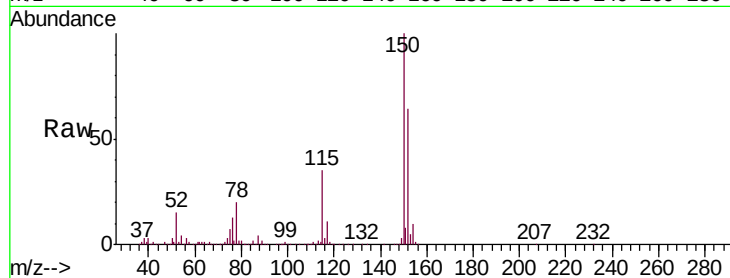
Tgt Ion:152 Resp: 136964

Ion Ratio Lower Upper

152 100

115 54.8 27.3 81.8

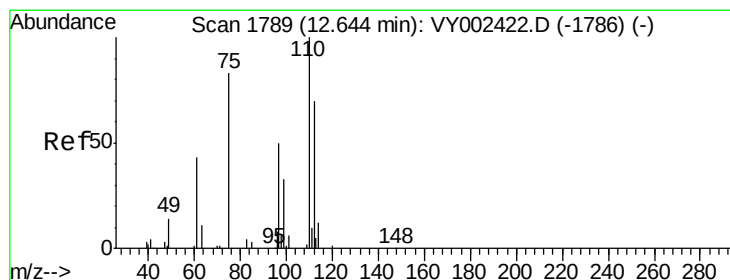
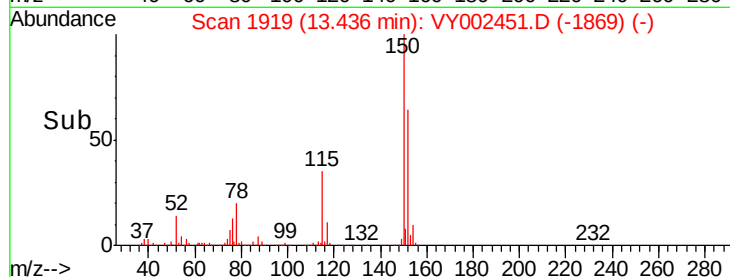
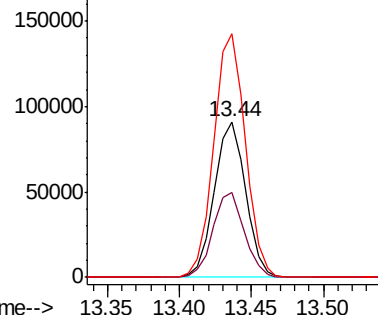
150 157.5 0.0 344.0



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: 56.244 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002451.D

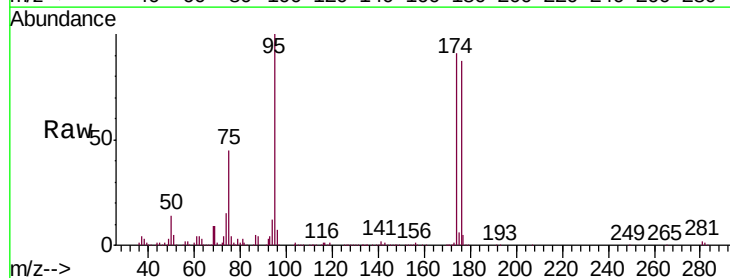
Acq: 21 Apr 2020 21:59

Tgt Ion: 75 Resp: 67865

Ion Ratio Lower Upper

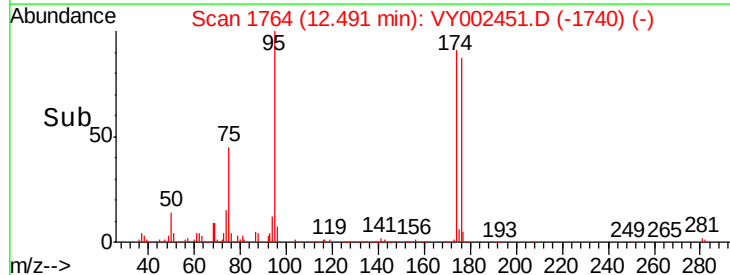
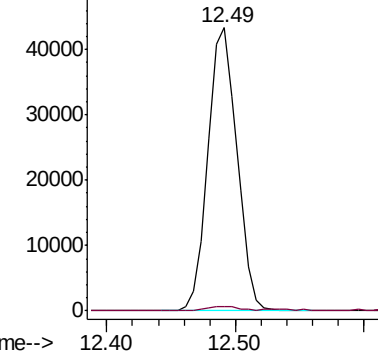
75 100

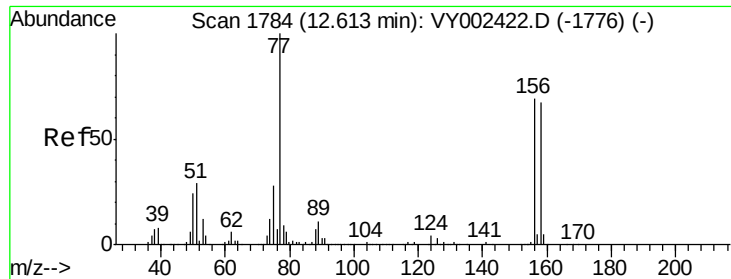
77 1.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 1.616 ug/l

RT: 12.72 min Scan# 1801

Delta R.T. 0.10 min

Lab File: VY002451.D

Acq: 21 Apr 2020 21:59

Instrument :

MSVOA_Y

ClientSampleId :

TP-20-(1-2)

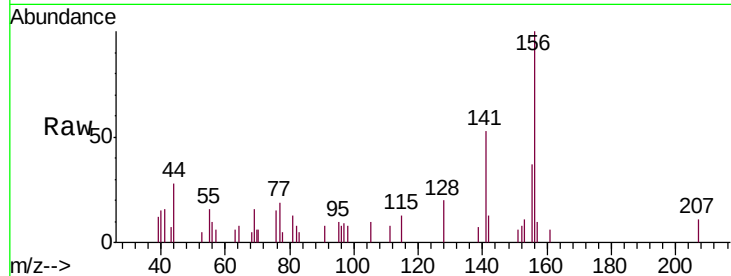
Tgt Ion:156 Resp: 3659

Ion Ratio Lower Upper

156 100

77 8.4 80.2 240.6#

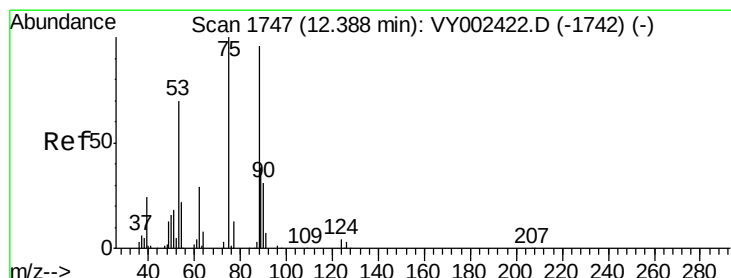
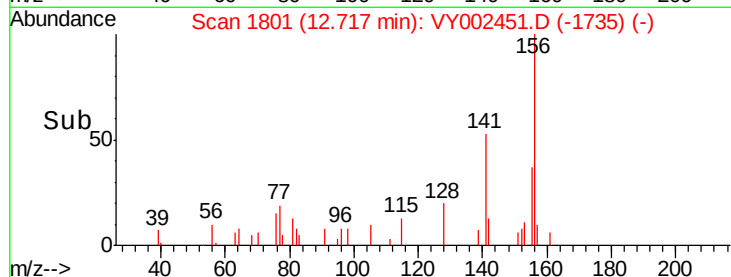
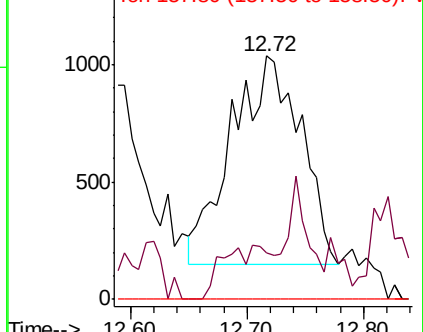
158 0.0 48.4 145.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 109.614 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002451.D

Acq: 21 Apr 2020 21:59

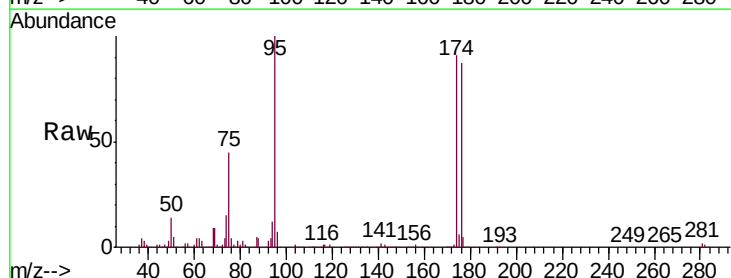
Tgt Ion: 75 Resp: 67865

Ion Ratio Lower Upper

75 100

53 0.0 58.7 88.1#

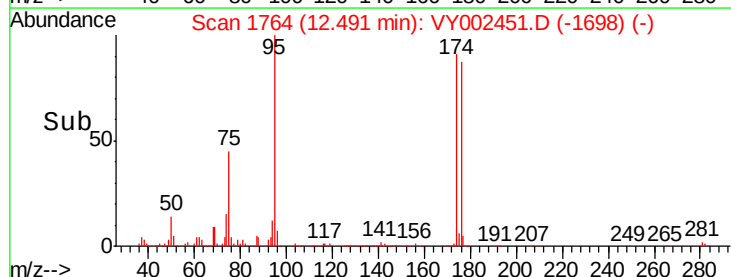
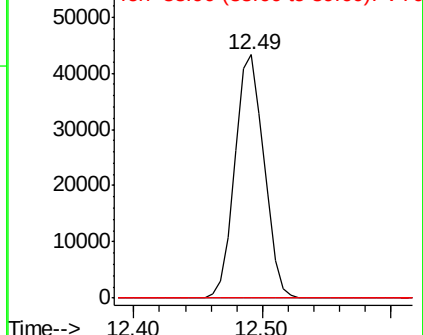
89 0.1 37.9 56.9#

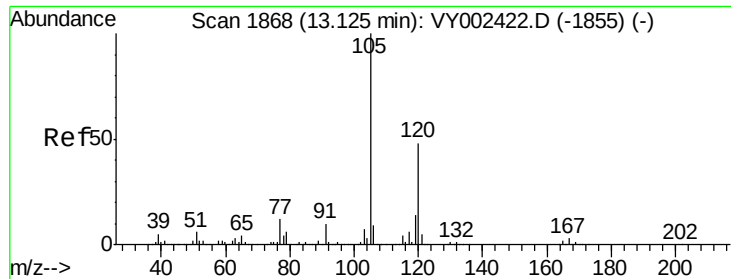


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

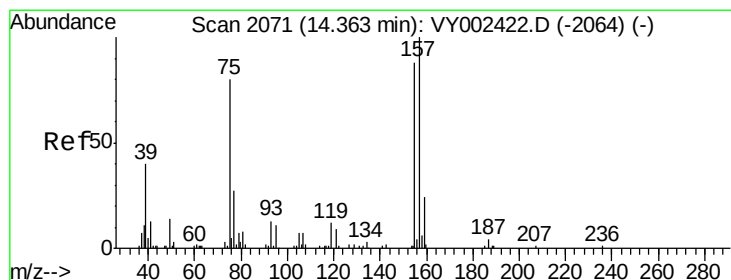
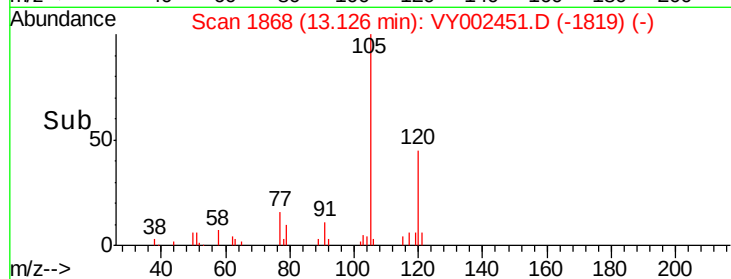
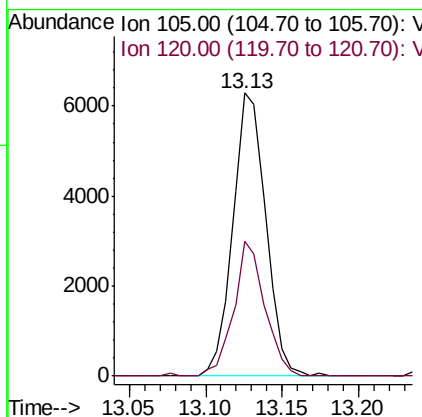
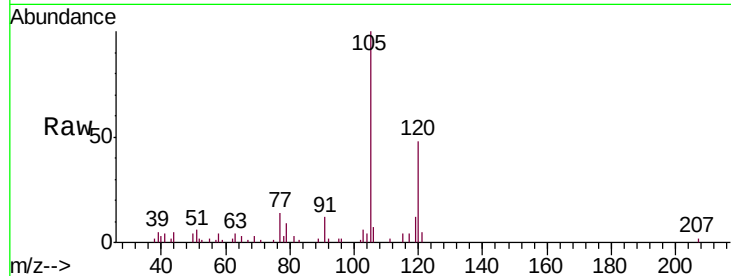




#84
 1,2,4-Trimethylbenzene
 Concen: 1.265 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VY002451.D
 Acq: 21 Apr 2020 21:59

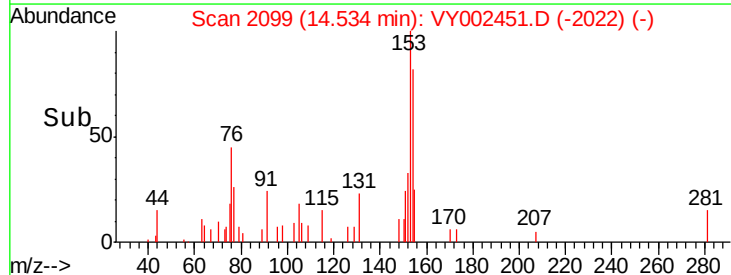
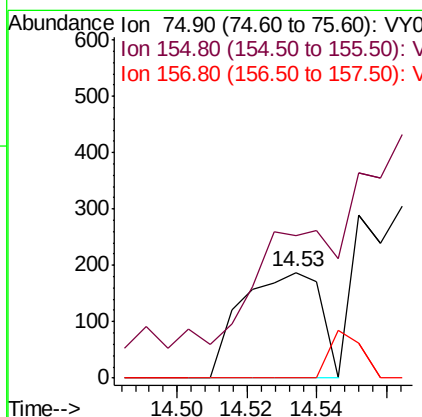
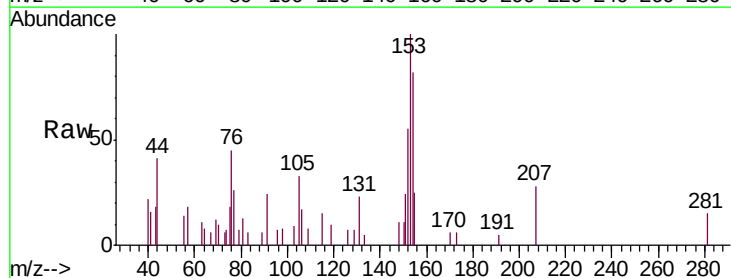
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-20-(1-2)

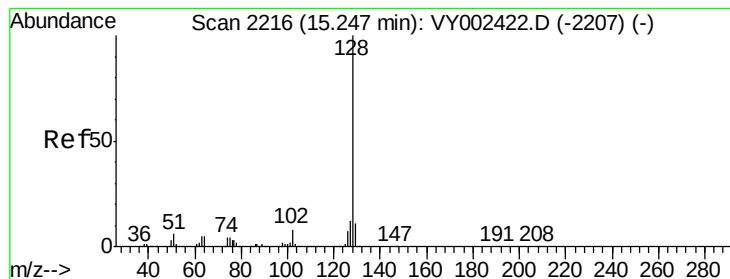
Tgt Ion: 105 Resp: 9389
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.9 71.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.168 ug/l
 RT: 14.53 min Scan# 2099
 Delta R.T. 0.17 min
 Lab File: VY002451.D
 Acq: 21 Apr 2020 21:59

Tgt Ion: 75 Resp: 295
 Ion Ratio Lower Upper
 75 100
 155 0.0 56.1 168.3#
 157 18.0 71.5 214.5#





#95

Naphthalene

Concen: 1.541 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY002451.D

Acq: 21 Apr 2020 21:59

Instrument :

MSVOA_Y

ClientSampleId :

TP-20-(1-2)

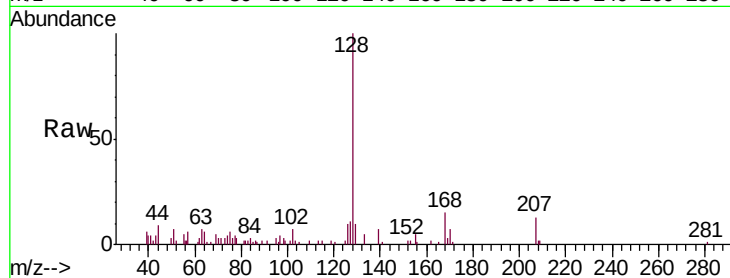
Tgt Ion:128 Resp: 8253

Ion Ratio Lower Upper

128 100

127 15.7 10.2 15.2#

129 13.0 9.0 13.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

