

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY123020\
 Data File : VY003863.D
 Acq On : 30 Dec 2020 13:19
 Operator : SY/MD
 Sample : VY1230SBL01
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 31 03:18:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL122920SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 31 03:17:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	322499	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	305696	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	166463	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	106921	19.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.40%
7) Chloroethane-d5	2.77	69	94763	21.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	3.86	63	141683	15.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.20%
21) 2-Butanone-d5	6.89	46	110224	53.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.24%
24) Chloroform-d	7.48	84	205946	23.12	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.48%
26) 1,2-Dichloroethane-d4	8.14	65	135185	23.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.32%
32) Benzene-d6	8.11	84	380735	22.40	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	9.12	67	122746	24.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.92%
41) Toluene-d8	10.18	98	350235	21.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.08%
43) trans-1,3-Dichloropropene-	10.43	79	64429	22.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.12%
47) 2-Hexanone-d5	10.79	63	79989	51.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.90%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	125934	25.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.20%
66) 1,2-Dichlorobenzene-d4	13.72	152	146956	24.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	2230	0.413 ug/L	92
9) Trichlorofluoromethane	3.12	101	3758	0.438 ug/L #	57
16) Methylene chloride	4.72	84	11112	2.148 ug/L	97
30) 1,1,1-Trichloroethane	7.71	97	2637	0.320 ug/L	96
31) Carbon tetrachloride	7.90	117	2513	0.330 ug/L	97
52) Ethylbenzene	11.59	91	8351	0.361 ug/L	92
53) m,p-Xylene	11.70	106	3128	0.356 ug/L	95
55) Styrene	12.04	104	4686	0.317 ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.57	83	1986	0.411 ug/L #	84
60) Isopropylbenzene	12.32	105	8310	0.378 ug/L	95
61) 1,2,3-Trichloropropane	12.63	75	1498	0.366 ug/L	98
62) 1,3,5-Trimethylbenzene	12.81	105	6995	0.383 ug/L	96
63) 1,2,4-Trimethylbenzene	13.12	105	6977	0.377 ug/L	98
64) 1,3-Dichlorobenzene	13.37	146	4538	0.426 ug/L	93
65) 1,4-Dichlorobenzene	13.45	146	5160	0.478 ug/L	84
67) 1,2-Dichlorobenzene	13.74	146	4827	0.484 ug/L	92
71) Naphthalene	15.23	128	6829	0.464 ug/L	98

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MSVOA_Y
ClientSampleId :

Quant Time: Dec 31 03:18:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYLM122920SMA.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 31 03:17:23 2020
Response via : Initial Calibration

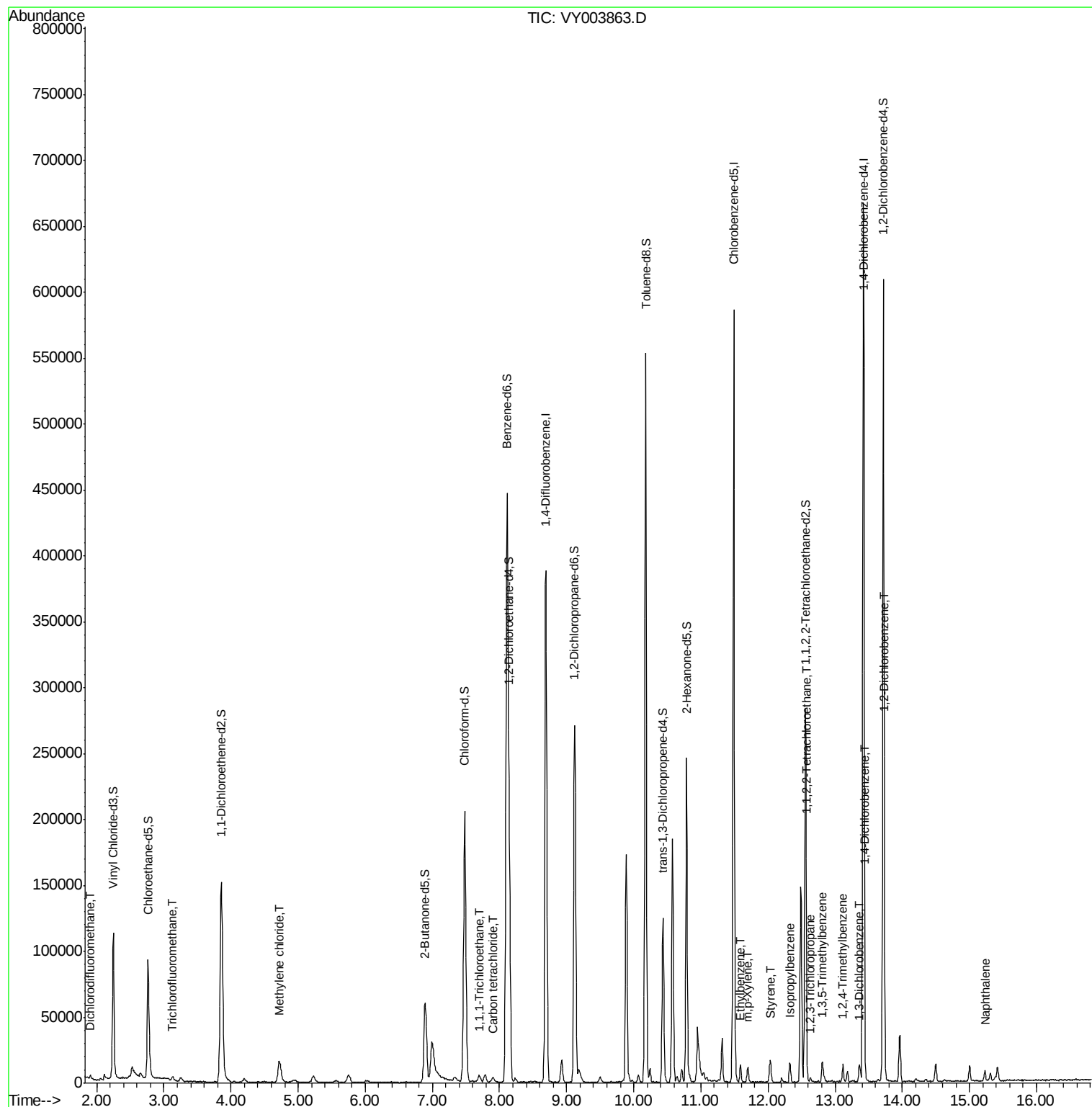
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

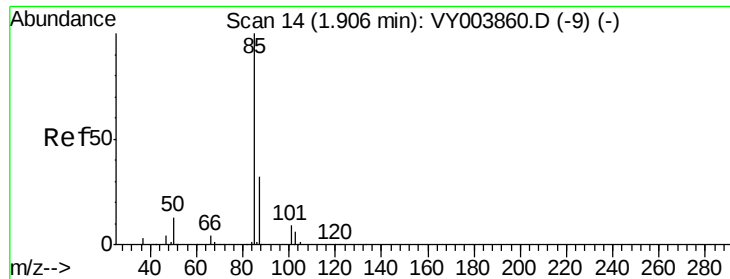
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY123020\
Data File : VY003863.D
Acq On : 30 Dec 2020 13:19
Operator : SY/MD
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ClientSampleId :

Quant Time: Dec 31 03:18:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL122920SMA.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 31 03:17:23 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.413 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.00 min

Lab File: VY003863.D

Acq: 30 Dec 2020 13:19

Instrument :

MSVOA_Y

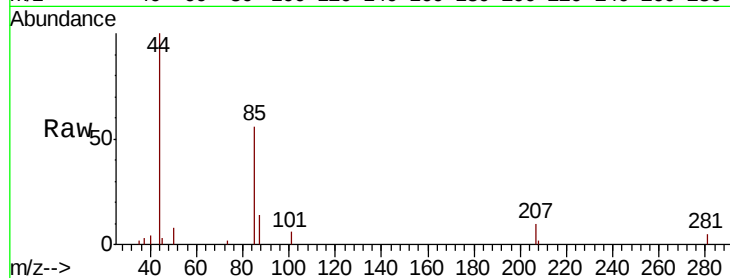
ClientSampleId :

Tot Ion: 85 Resp: 2230

Ion Ratio Lower Upper

85 100

87 27.3 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VY003863.D (-149) (-)

Ion 87.00 (86.70 to 87.70): VY003863.D (-149) (-)

1.91

1500

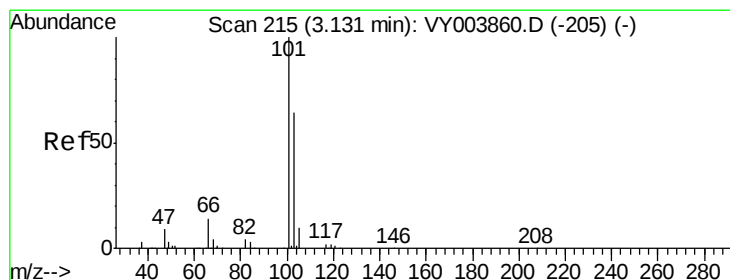
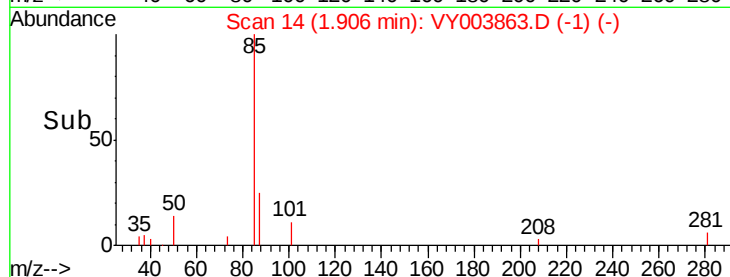
1000

500

0

1.90 1.95

Time-->



#9

Trichlorofluoromethane

Concen: 0.438 ug/L

RT: 3.12 min Scan# 214

Delta R.T. -0.01 min

Lab File: VY003863.D

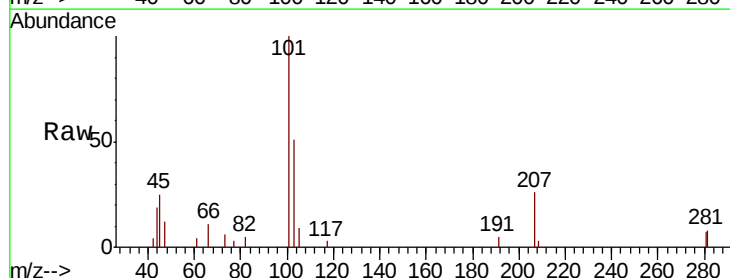
Acq: 30 Dec 2020 13:19

Tgt Ion: 101 Resp: 3758

Ion Ratio Lower Upper

101 100

103 30.6 51.4 77.0#



Abundance Ion 101.00 (100.70 to 101.70): VY003863.D (-149) (-)

Ion 103.00 (102.70 to 103.70): VY003863.D (-149) (-)

3.12

1500

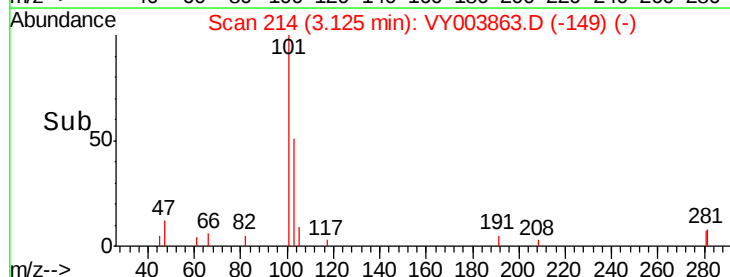
1000

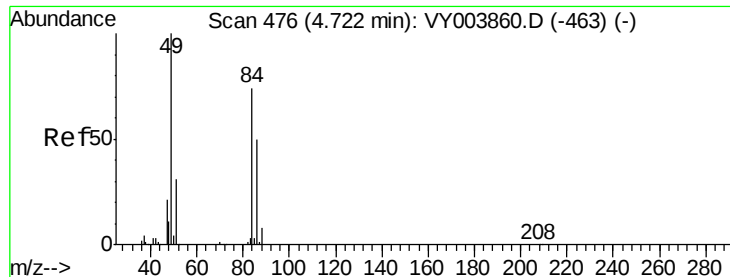
500

0

3.05 3.10 3.15 3.20

Time-->

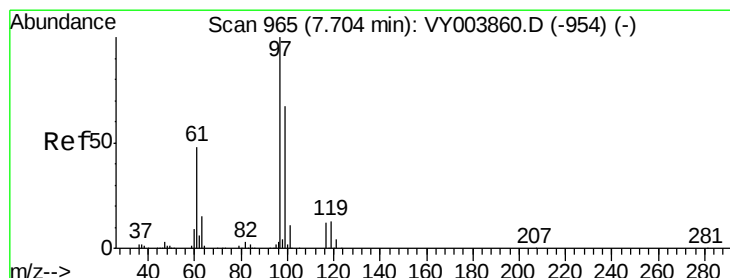
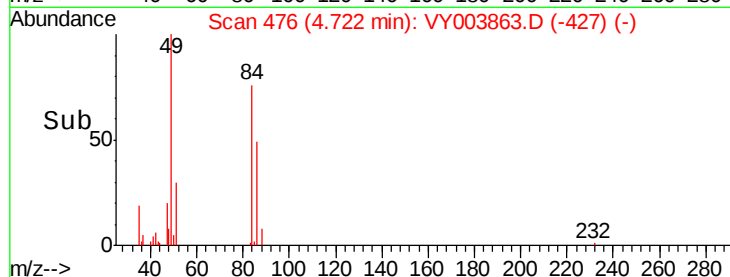
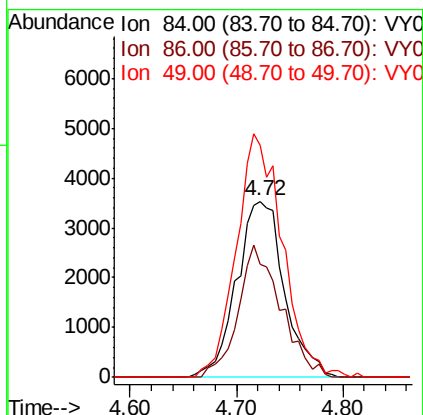
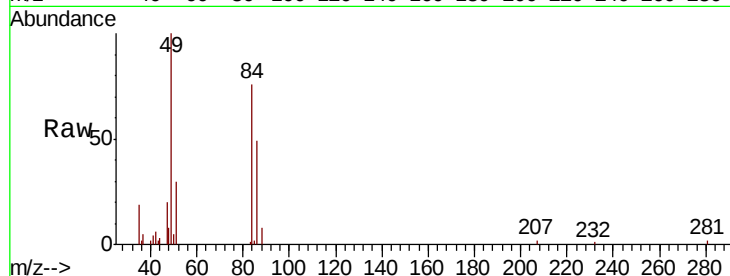




#16
Methvlene chloride
Concen: 2.148 ug/L
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VY003863.D
Acq: 30 Dec 2020 13:19

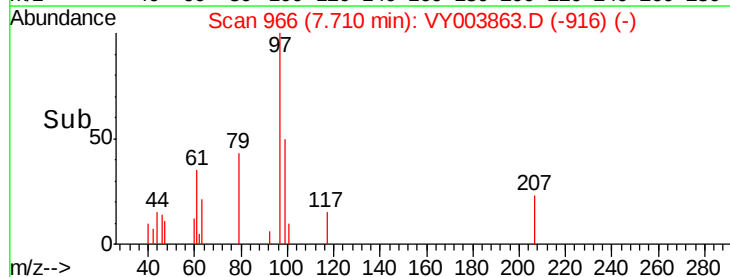
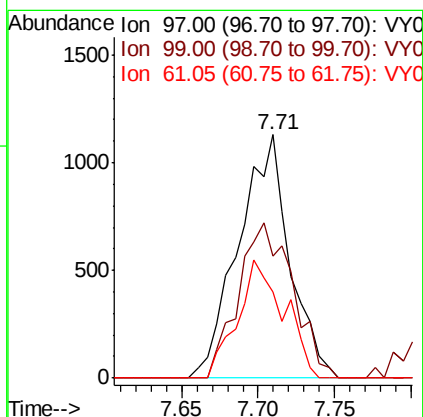
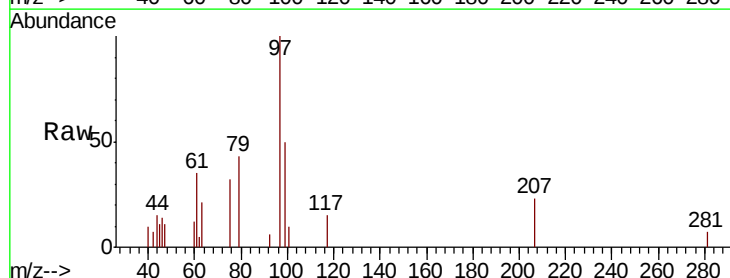
Instrument :
MSVOA_Y
ClientSampleId :

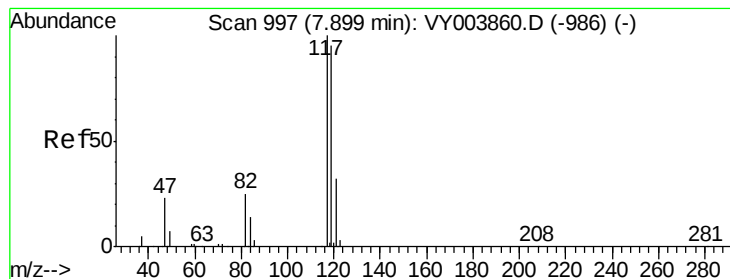
Tot Ion: 84 Resp: 11112
Ion Ratio Lower Upper
84 100
86 64.3 42.1 78.3
49 131.6 90.3 167.7



#30
1,1,1-Trichloroethane
Concen: 0.320 ug/L
RT: 7.71 min Scan# 966
Delta R.T. 0.01 min
Lab File: VY003863.D
Acq: 30 Dec 2020 13:19

Tgt Ion: 97 Resp: 2637
Ion Ratio Lower Upper
97 100
99 67.6 50.5 75.7
61 43.8 35.5 53.3





#31

Carbon tetrachloride

Concen: 0.330 ug/L

RT: 7.90 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY003863.D

Acq: 30 Dec 2020 13:19

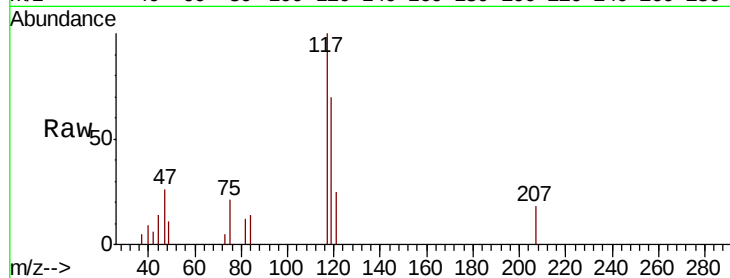
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 2513

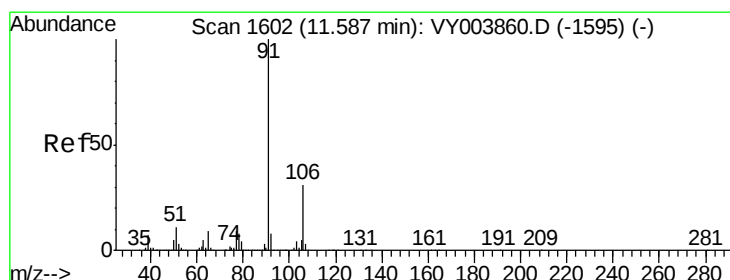
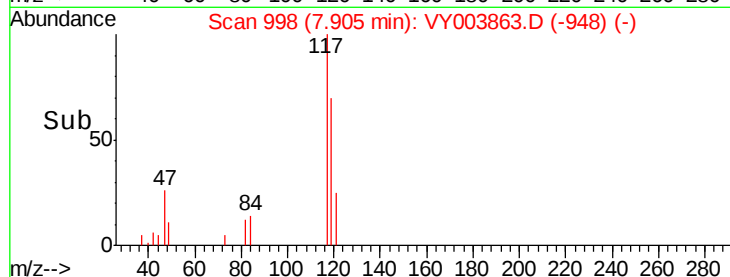
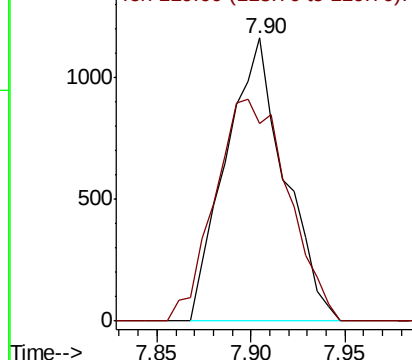
Ion Ratio Lower Upper

117 100

119 98.2 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



#52

Ethylbenzene

Concen: 0.361 ug/L

RT: 11.59 min Scan# 1602

Delta R.T. -0.00 min

Lab File: VY003863.D

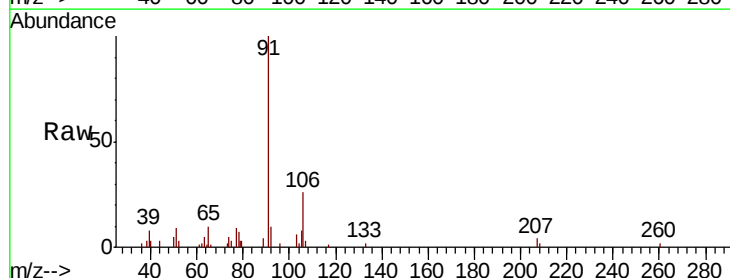
Acq: 30 Dec 2020 13:19

Tgt Ion: 91 Resp: 8351

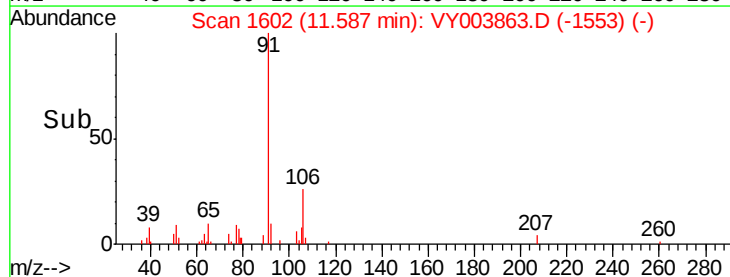
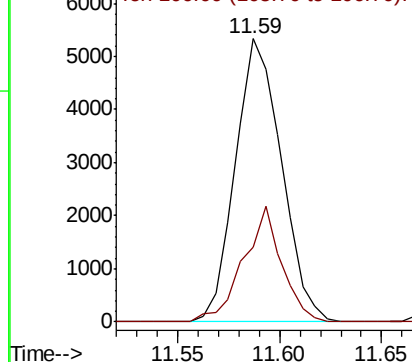
Ion Ratio Lower Upper

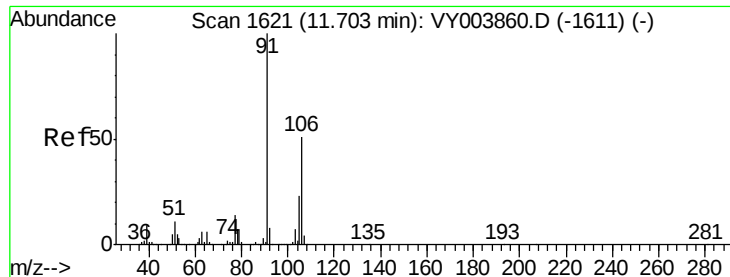
91 100

106 26.4 21.6 40.0



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





#53

m,p-Xylene

Concen: 0.356 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VY003863.D

Acq: 30 Dec 2020 13:19

Instrument :

MSVOA_Y

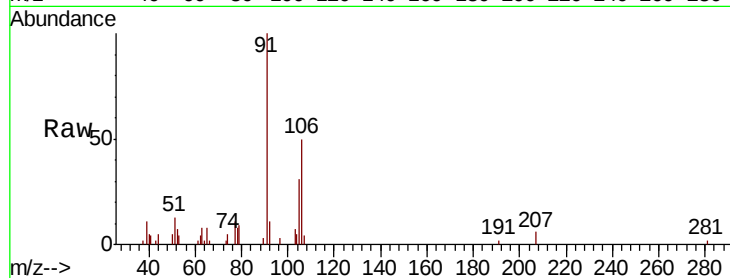
ClientSampled :

Tot Ion:106 Resp: 3128

Ion Ratio Lower Upper

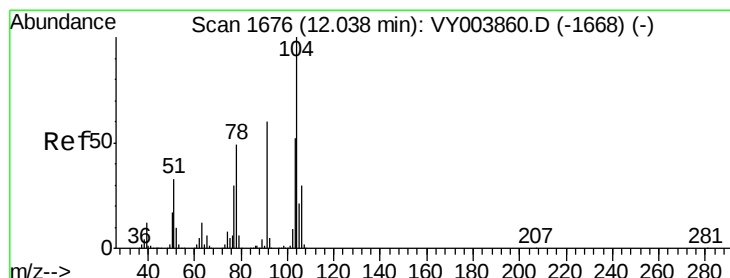
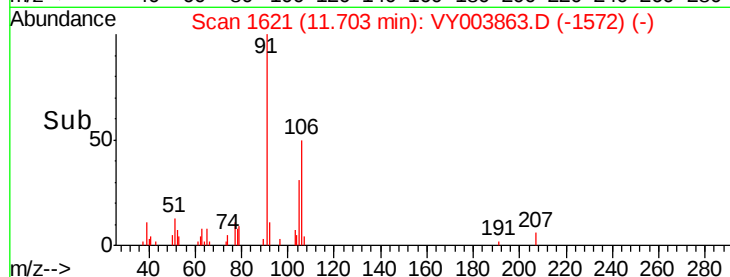
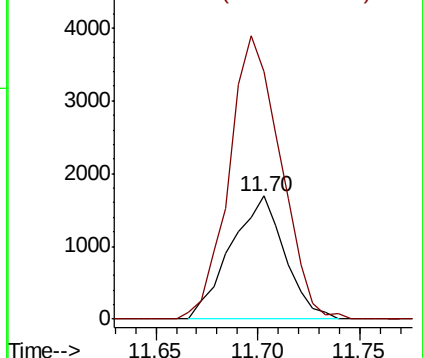
106 100

91 201.6 146.3 271.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

Styrene

Concen: 0.317 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. 0.01 min

Lab File: VY003863.D

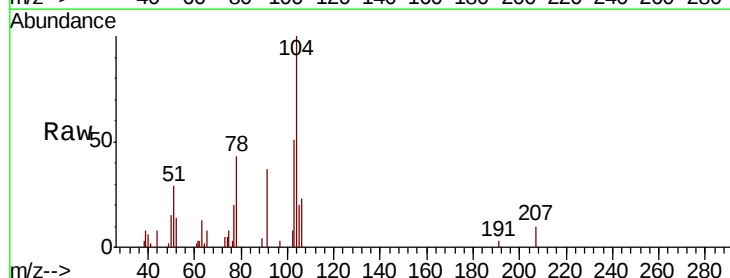
Acq: 30 Dec 2020 13:19

Tgt Ion:104 Resp: 4686

Ion Ratio Lower Upper

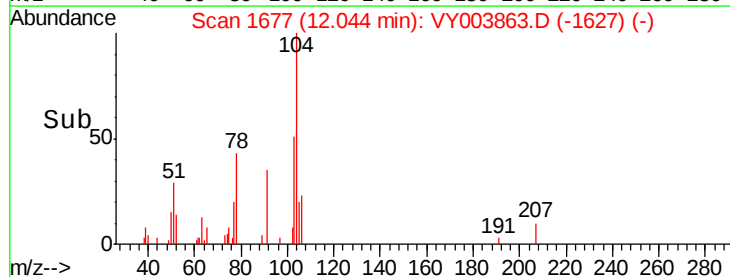
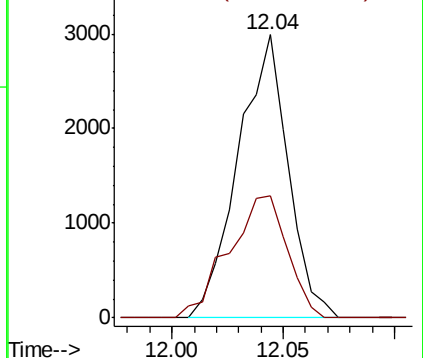
104 100

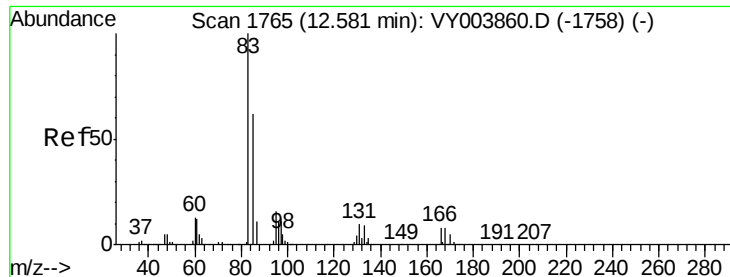
78 43.0 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

1,1,2,2-Tetrachloroethane

Concen: 0.411 ug/L

RT: 12.57 min Scan# 1764

Delta R.T. -0.01 min

Lab File: VY003863.D

Acq: 30 Dec 2020 13:19

Instrument :

MSVOA_Y

ClientSampleId :

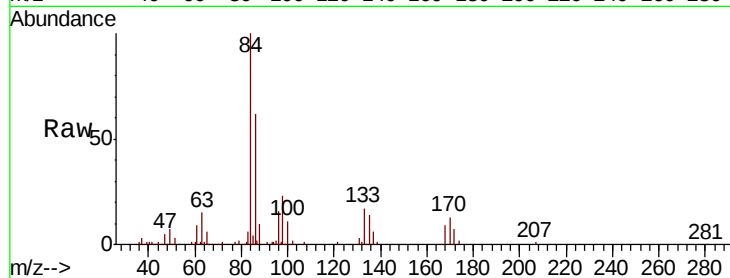
Tot Ion: 83 Resp: 1986

Ion Ratio Lower Upper

83 100

85 66.4 44.9 83.3

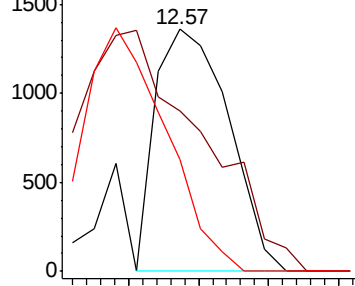
131 46.0 9.0 13.6#



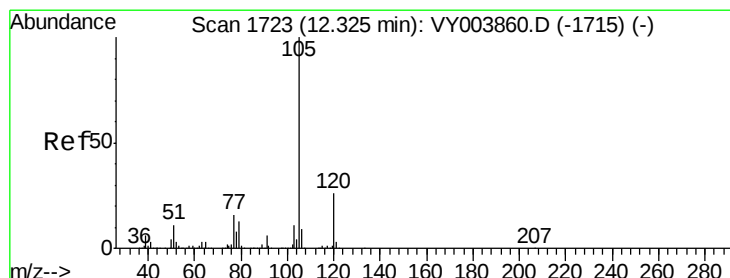
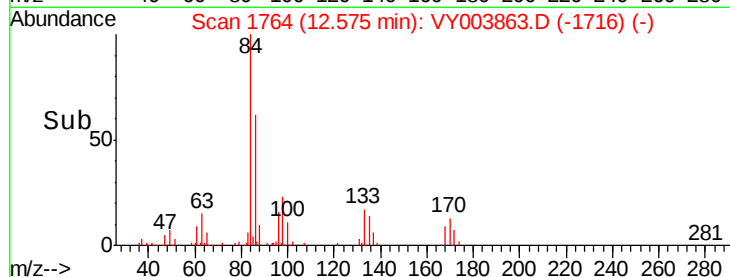
Abundance Ion 83.00 (82.70 to 83.70): VY003860.D (-1758) (-)

Ion 85.00 (84.70 to 85.70): VY003860.D (-1758) (-)

Ion 131.00 (130.70 to 131.70): VY003860.D (-1758) (-)



Time-->



#60

Isopropylbenzene

Concen: 0.378 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. -0.00 min

Lab File: VY003863.D

Acq: 30 Dec 2020 13:19

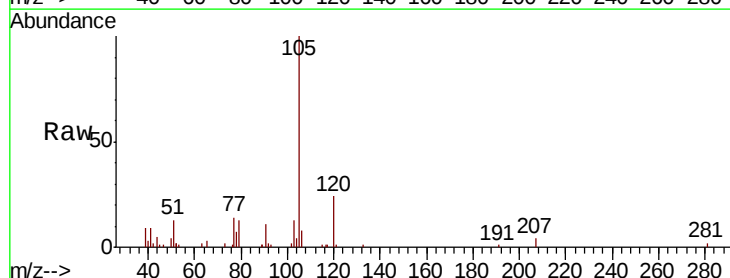
Tgt Ion: 105 Resp: 8310

Ion Ratio Lower Upper

105 100

120 29.6 21.7 32.5

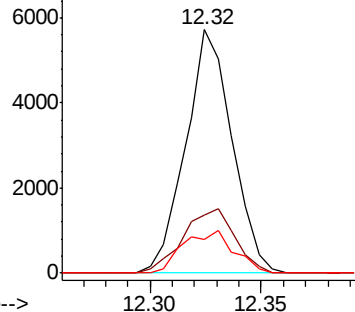
77 18.9 12.9 19.3



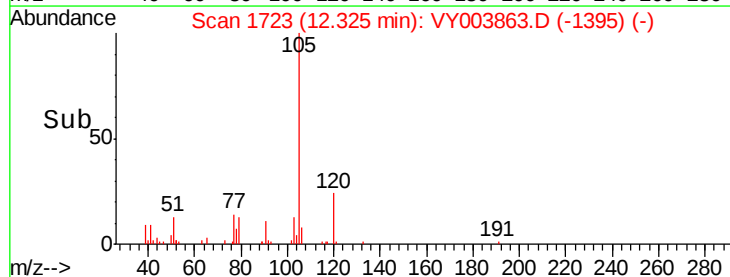
Abundance Ion 105.00 (104.70 to 105.70): VY003860.D (-1715) (-)

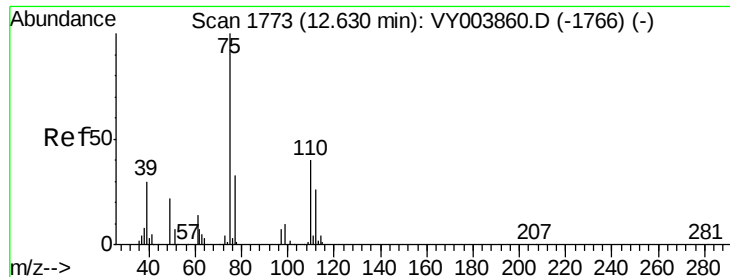
Ion 120.00 (119.70 to 120.70): VY003860.D (-1715) (-)

Ion 77.00 (76.70 to 77.70): VY003860.D (-1715) (-)



Time-->

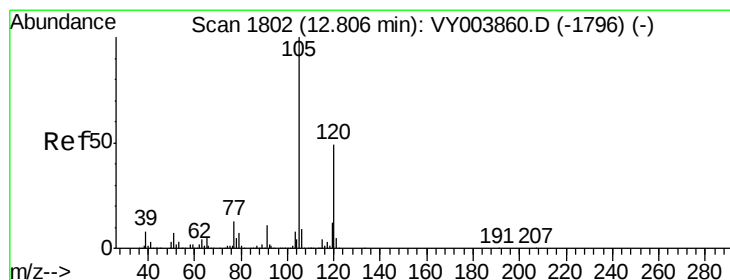
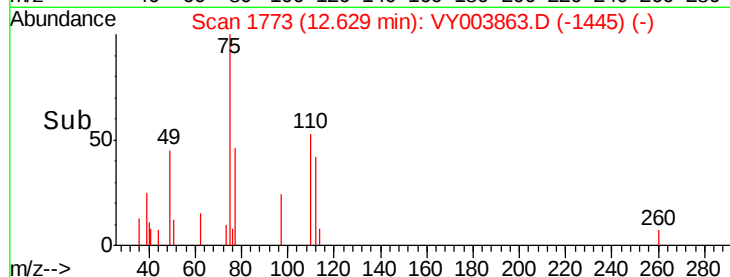
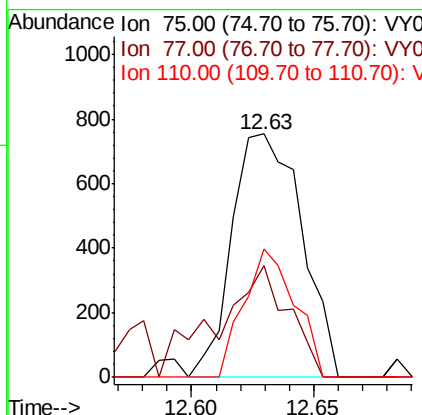
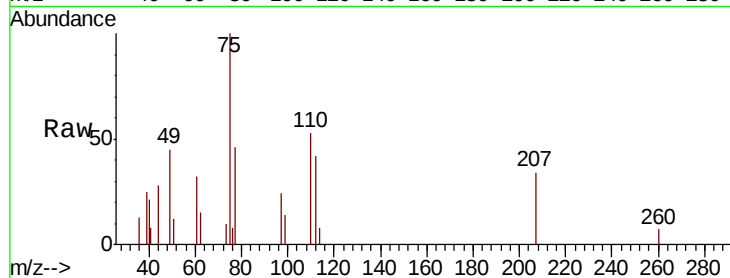




#61
 1,2,3-Trichloropropane
 Concen: 0.366 ug/L
 RT: 12.63 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VY003863.D
 Acq: 30 Dec 2020 13:19

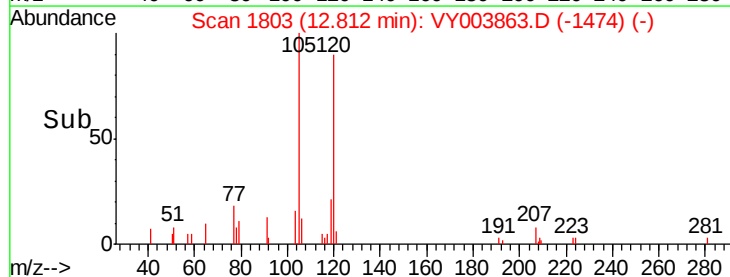
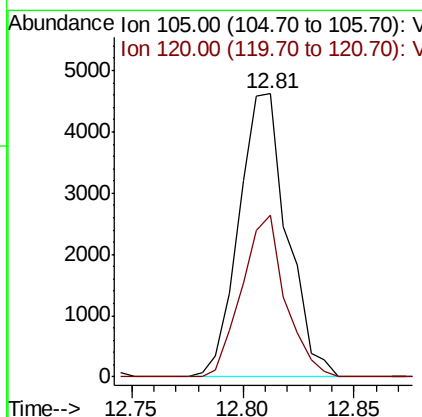
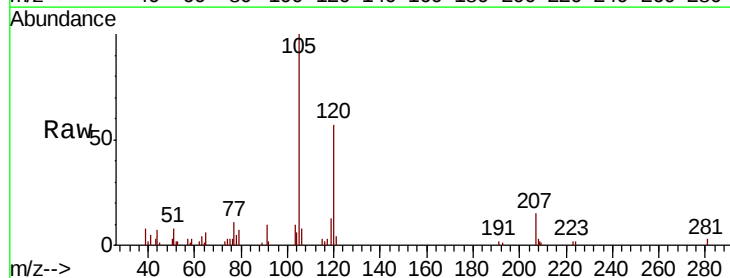
Instrument :
 MSVOA_Y
 ClientSampleId :

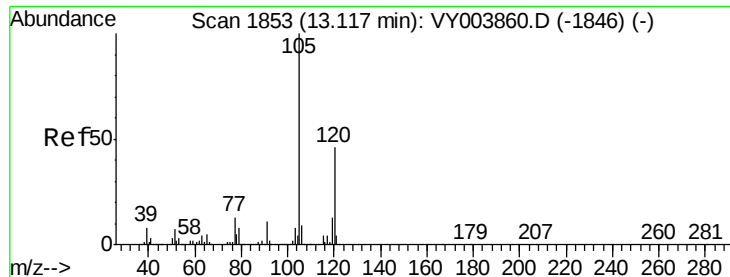
Tot Ion	Ratio	Lower	Upper
75	100		
77	33.2	26.2	39.4
110	38.7	32.4	48.6



#62
 1,3,5-Trimethylbenzene
 Concen: 0.383 ug/L
 RT: 12.81 min Scan# 1803
 Delta R.T. 0.01 min
 Lab File: VY003863.D
 Acq: 30 Dec 2020 13:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.5	39.0	58.4





#63

1,2,4-Trimethylbenzene

Concen: 0.377 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VY003863.D

Acq: 30 Dec 2020 13:19

Instrument :

MSVOA_Y

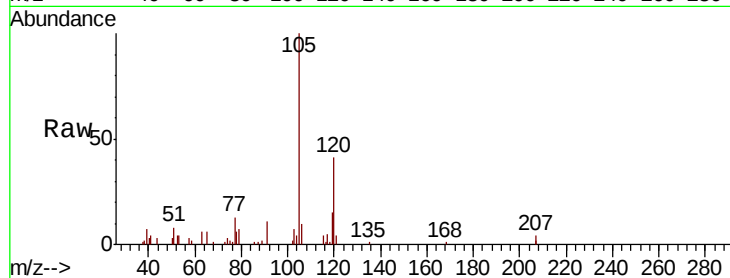
ClientSampled :

Tot Ion:105 Resp: 6977

Ion Ratio Lower Upper

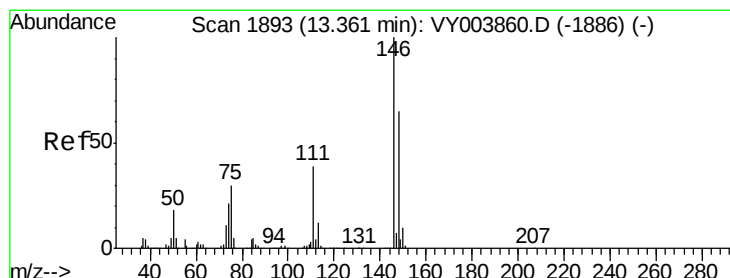
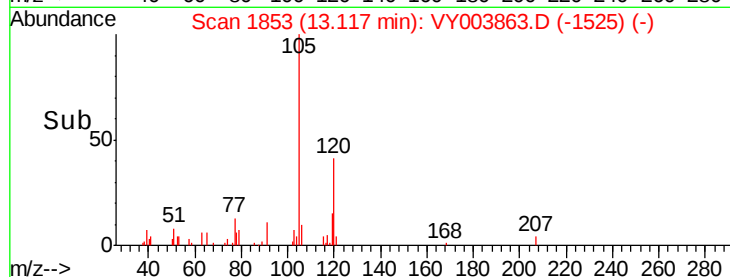
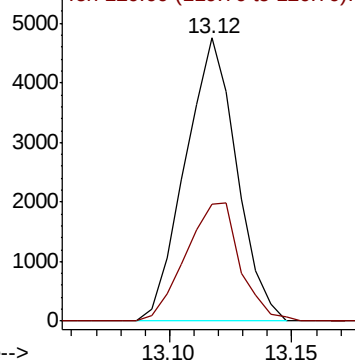
105 100

120 44.0 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#64

1,3-Dichlorobenzene

Concen: 0.426 ug/L

RT: 13.37 min Scan# 1894

Delta R.T. 0.01 min

Lab File: VY003863.D

Acq: 30 Dec 2020 13:19

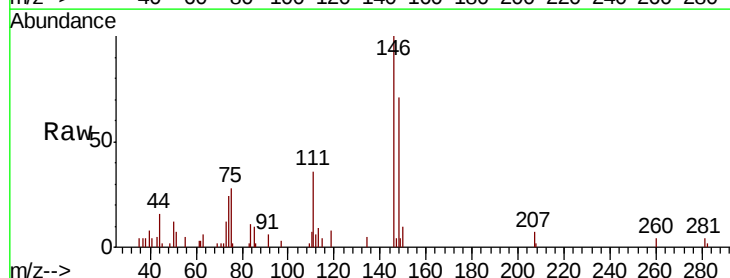
Tgt Ion:146 Resp: 4538

Ion Ratio Lower Upper

146 100

111 35.6 27.7 51.5

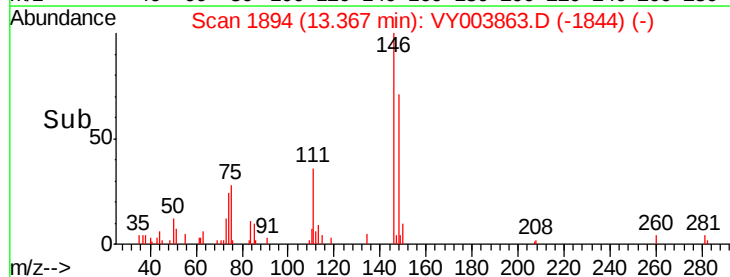
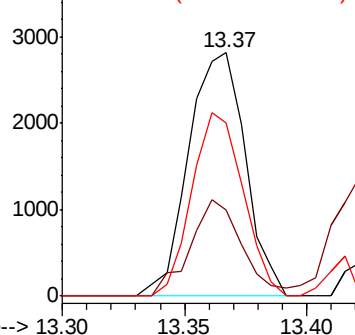
148 71.2 45.4 84.4

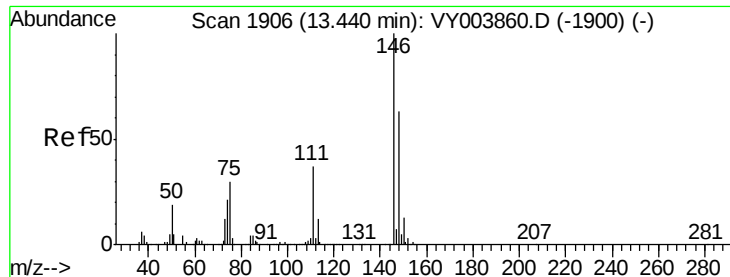


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,4-Dichlorobenzene

Concen: 0.478 ug/L

RT: 13.45 min Scan# 1907

Delta R.T. 0.01 min

Lab File: VY003863.D

Acq: 30 Dec 2020 13:19

Instrument :

MSVOA_Y

ClientSampleId :

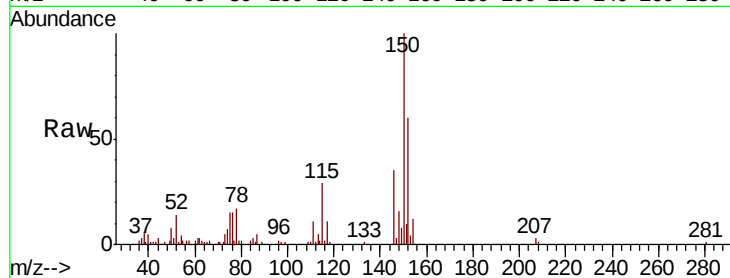
Tot Ion:146 Resp: 5160

Ion Ratio Lower Upper

146 100

111 33.0 25.7 47.7

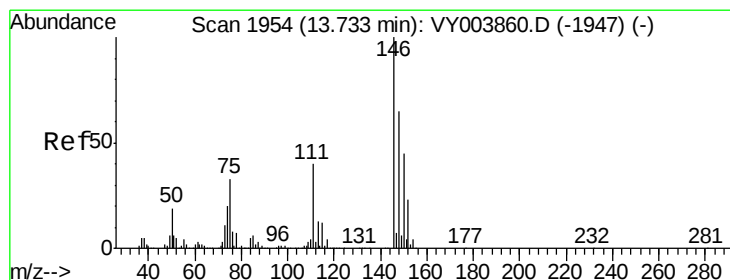
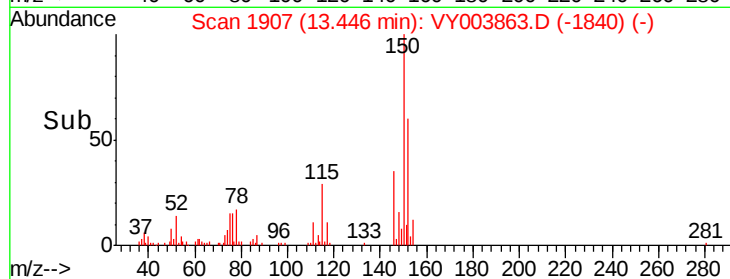
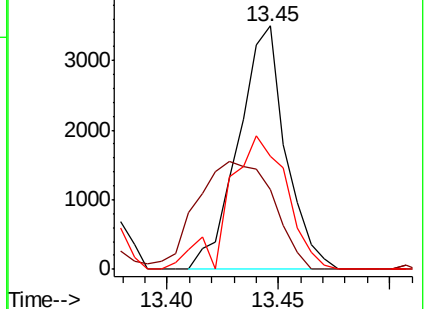
148 46.7 44.4 82.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,2-Dichlorobenzene

Concen: 0.484 ug/L

RT: 13.74 min Scan# 1955

Delta R.T. 0.01 min

Lab File: VY003863.D

Acq: 30 Dec 2020 13:19

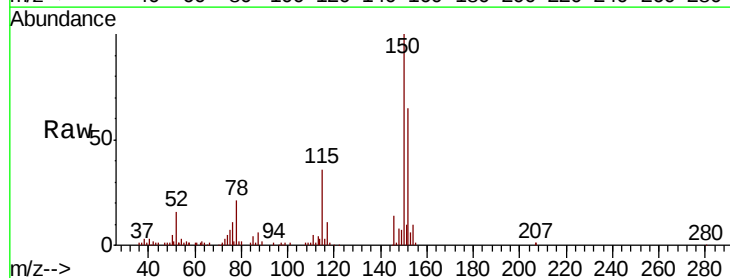
Tgt Ion:146 Resp: 4827

Ion Ratio Lower Upper

146 100

111 38.4 31.3 46.9

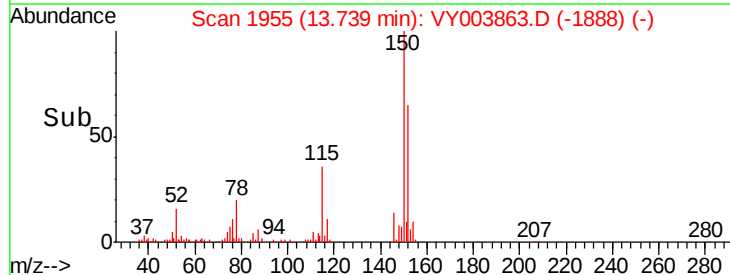
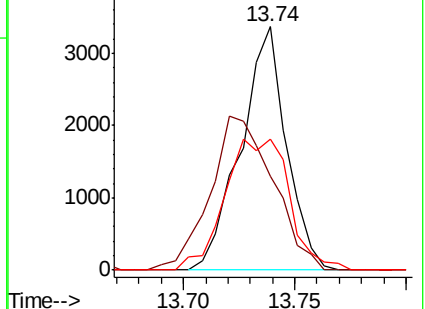
148 53.9 51.0 76.4

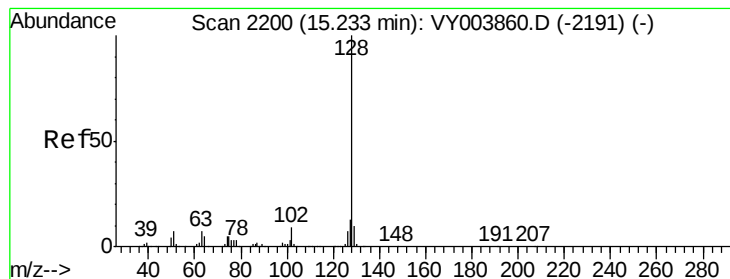


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#71

Naphthalene

Concen: 0.464 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VY003863.D

Acq: 30 Dec 2020 13:19

Instrument :

MSVOA_Y

ClientSampleId :

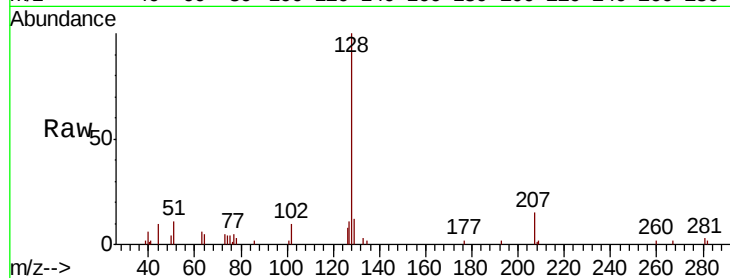
Tot Ion:128 Resp: 6829

Ion Ratio Lower Upper

128 100

127 13.6 10.7 16.1

129 12.5 8.9 13.3



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

