

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
 Data File : VY003738.D
 Acq On : 11 Dec 2020 19:29
 Operator : SY/MD
 Sample : L5063-07
 Misc : 4.69G/10ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AD9

Quant Time: Dec 12 01:42:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 11 10:03:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	268367	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	165921	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	35721	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	69360	18.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.12%
7) Chloroethane-d5	2.77	69	67882	23.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.84%
10) 1,1-Dichloroethene-d2	3.86	63	125833	17.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.48%
20) 2-Butanone-d5	6.90	46	81350	60.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.26%
24) Chloroform-d	7.49	84	181618	26.30	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	8.15	65	108032	27.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.20%
29) Benzene-d6	8.12	84	354949	36.95	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	147.80%#
33) 1,2-Dichloropropane-d6	9.12	67	114575	40.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	161.24%#
37) Toluene-d8	10.18	98	245093	28.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	113.84%
38) trans-1,3-Dichloropropene-	10.44	79	45722	33.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	134.60%
39) 2-Hexanone-d5	10.79	63	60944	85.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	171.16%#
48) 1,1,2,2-Tetrachloroethane-	12.56	84	74163	29.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.12%
61) 1,2-Dichlorobenzene-d4	13.72	152	34500	26.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.32%

Target Compounds

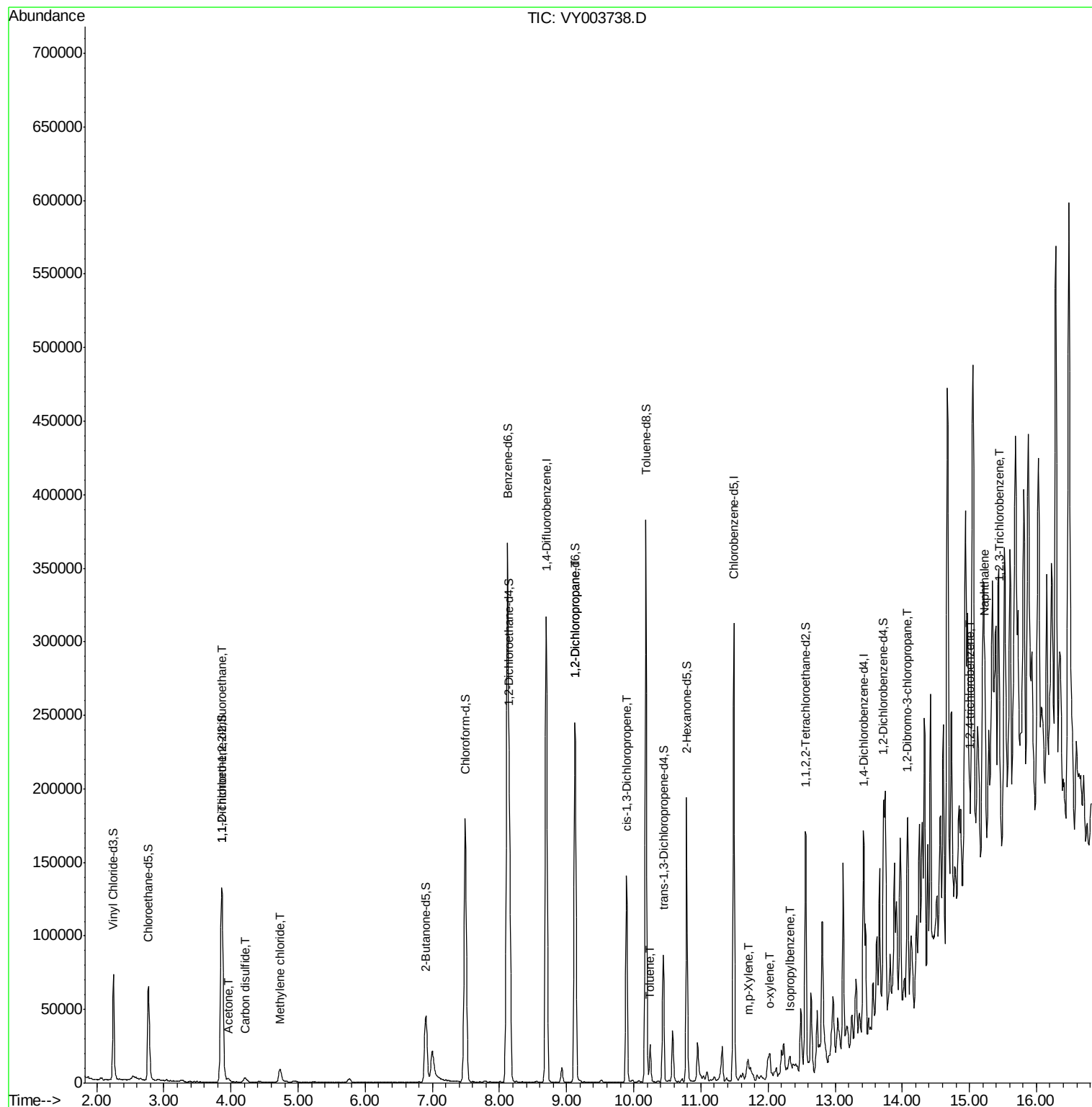
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	3.87	101	1161	0.341	ug/L #	17
13) Acetone	3.96	43	4166	4.201	ug/L	95
14) Carbon disulfide	4.21	76	4782	0.447	ug/L	100
16) Methylene chloride	4.73	84	6361	1.350	ug/L	90
40) 1,2-Dichloropropane	9.13	63	12576	5.283	ug/L #	86
42) cis-1,3-Dichloropropene	9.89	75	3438	0.918	ug/L #	62
44) Toluene	10.25	91	17707	1.769	ug/L	91
54) m,p-Xylene	11.70	106	3150	0.747	ug/L	91
55) o-xylene	12.03	106	3340	0.826	ug/L	91
57) Isopropylbenzene	12.32	105	3023	0.286	ug/L #	86
66) 1,2-Dibromo-3-chloropropan	14.07	75	1074	5.916	ug/L #	1
68) 1,2,4-trichlorobenzene	15.01	180	1216	0.949	ug/L #	1
69) Naphthalene	15.23	128	76489	28.465	ug/L #	94
70) 1,2,3-Trichlorobenzene	15.45	180	1522	1.300	ug/L #	1

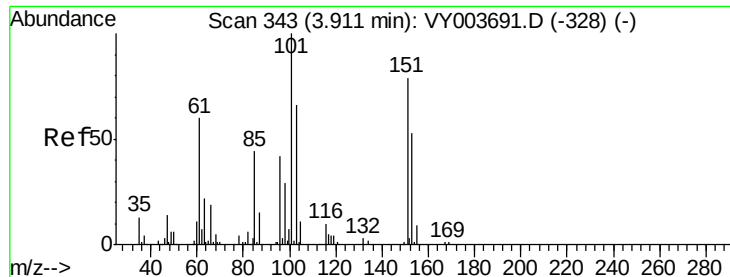
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Dec 11 10:03:37 2020
Response via : Initial Calibration





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.341 ug/L

RT: 3.87 min Scan# 336

Delta R.T. -0.05 min

Lab File: VY003738.D

Acq: 11 Dec 2020 19:29

Instrument :

MSVOA_Y

ClientSampleId :

C0AD9

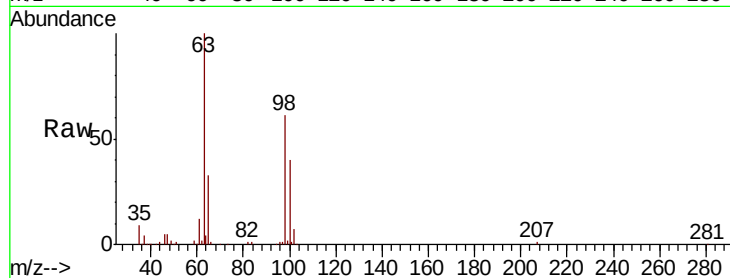
Tot Ion:101 Resp: 1161

Ion Ratio Lower Upper

101 100

85 0.0 33.9 50.9#

151 0.0 65.0 97.4#



Abundance Ion 101.00 (100.70 to 101.70): VY003738.D (-336) (-)

Ion 85.00 (84.70 to 85.70): VY003738.D (-336) (-)

Ion 151.00 (150.70 to 151.70): VY003738.D (-336) (-)

3.87

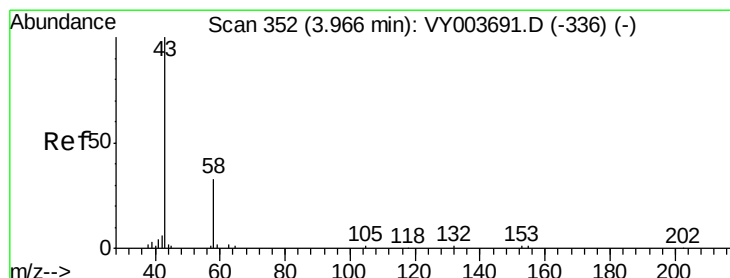
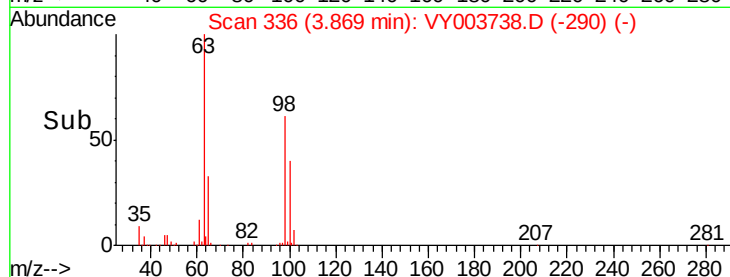
400

200

0

3.80 3.85 3.90

Time-->



#13

Acetone

Concen: 4.201 ug/L

RT: 3.96 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY003738.D

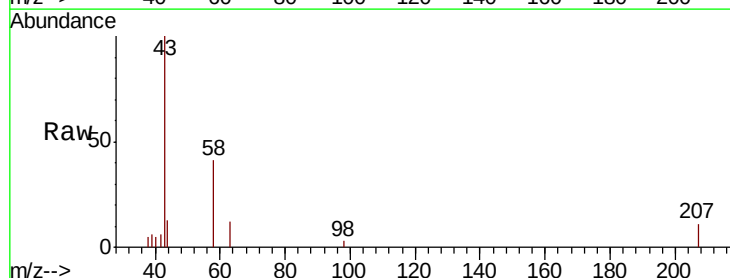
Acq: 11 Dec 2020 19:29

Tgt Ion: 43 Resp: 4166

Ion Ratio Lower Upper

43 100

58 31.8 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VY003738.D (-297) (-)

Ion 58.00 (57.70 to 58.70): VY003738.D (-297) (-)

3.96

2000

1500

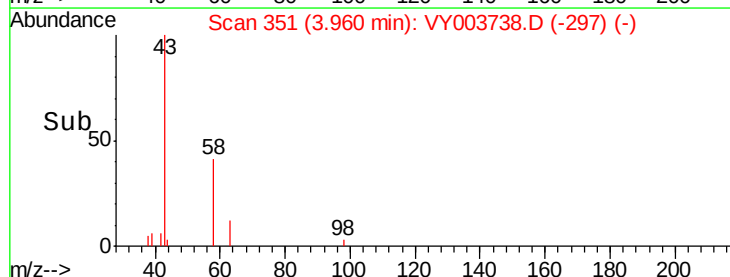
1000

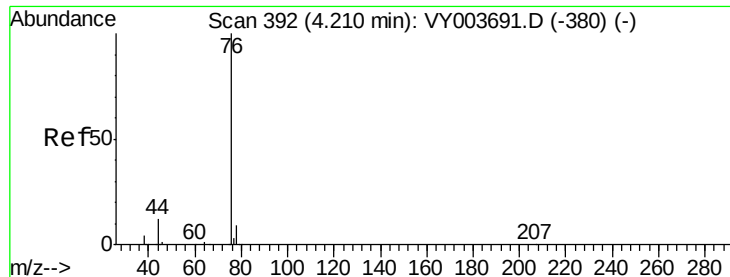
500

0

3.90 3.95 4.00 4.05

Time-->





#14

Carbon disulfide

Concen: 0.447 ug/L

RT: 4.21 min Scan# 392

Delta R.T. 0.00 min

Lab File: VY003738.D

Acq: 11 Dec 2020 19:29

Instrument :

MSVOA_Y

ClientSampled :

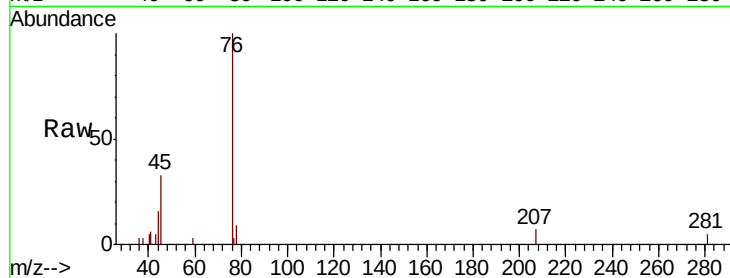
C0AD9

Tot Ion: 76 Resp: 4782

Ion Ratio Lower Upper

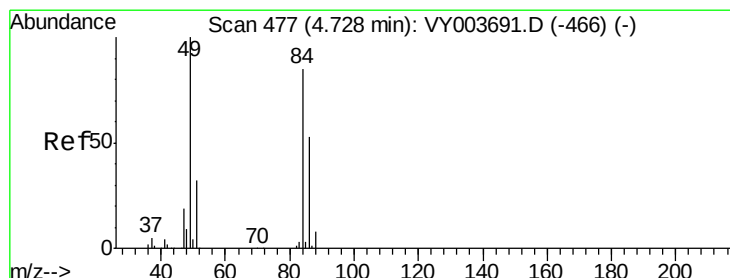
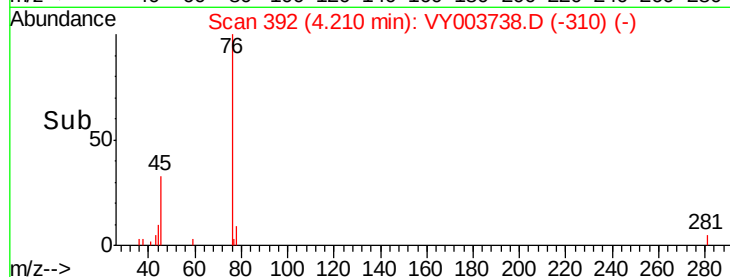
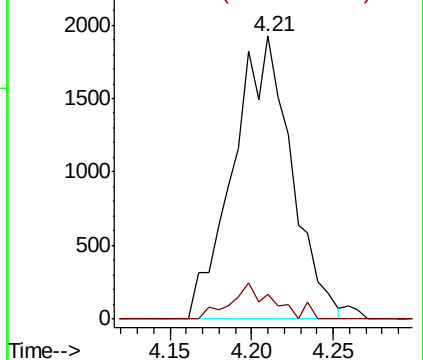
76 100

78 8.7 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0



#16

Methylene chloride

Concen: 1.350 ug/L

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VY003738.D

Acq: 11 Dec 2020 19:29

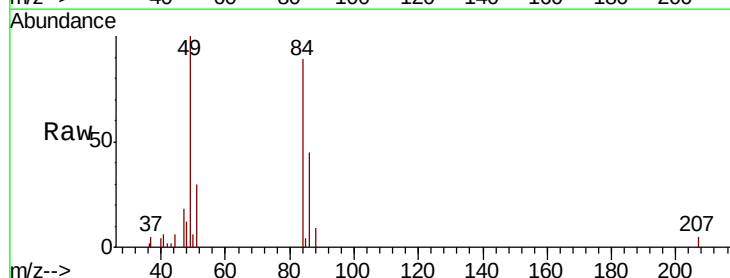
Tgt Ion: 84 Resp: 6361

Ion Ratio Lower Upper

84 100

49 111.9 83.7 155.4

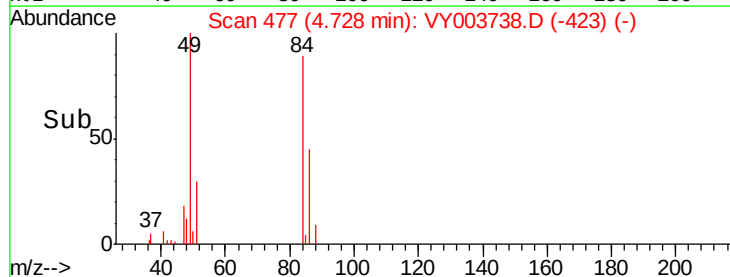
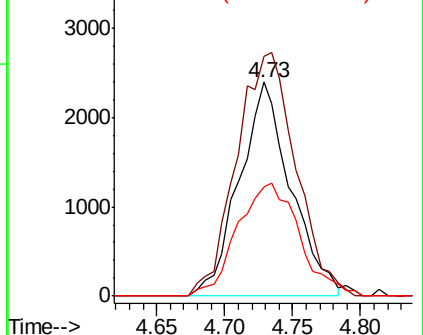
86 50.7 45.0 83.6

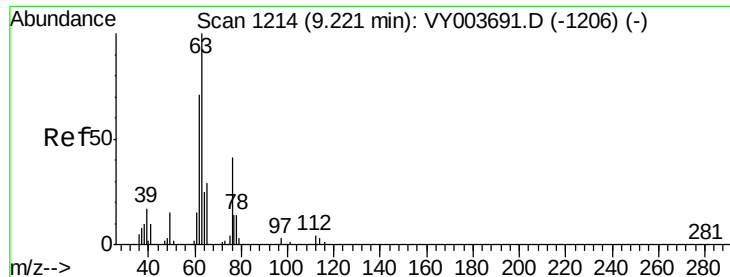


Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

Ion 86.00 (85.70 to 86.70): VY0





#40

1,2-Dichloropropane

Concen: 5.283 ug/L

RT: 9.13 min Scan# 1199

Delta R.T. -0.09 min

Lab File: VY003738.D

Acq: 11 Dec 2020 19:29

Instrument :

MSVOA_Y

ClientSampleId :

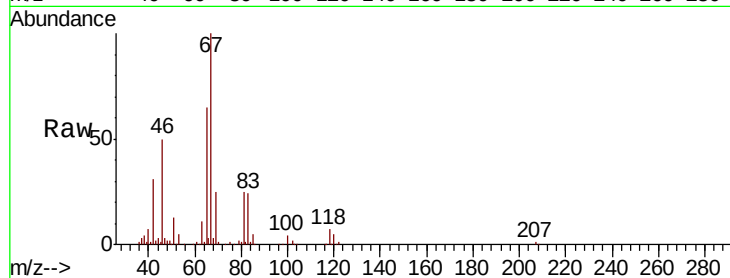
C0AD9

Tot Ion: 63 Resp: 12576

Ion Ratio Lower Upper

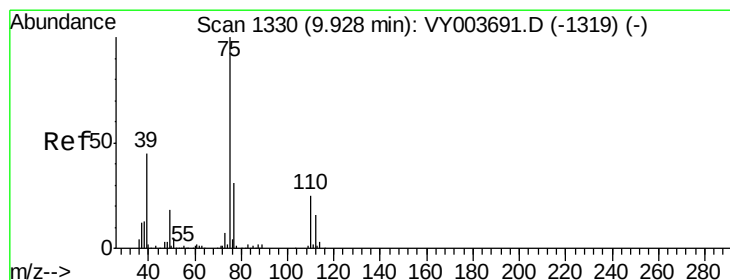
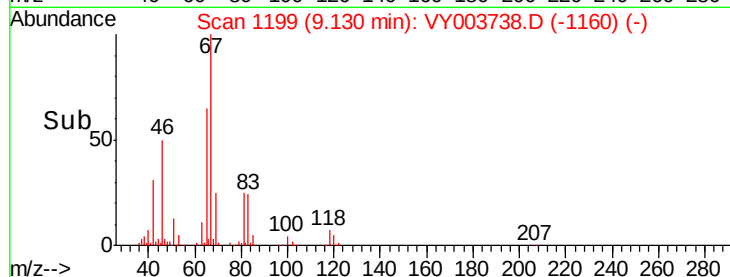
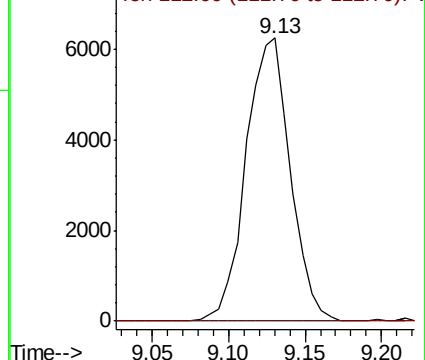
63 100

112 0.0 3.7 5.5#



Abundance Ion 63.00 (62.70 to 63.70): VY0

Ion 112.00 (111.70 to 112.70): VY0



#42

cis-1,3-Dichloropropene

Concen: 0.918 ug/L

RT: 9.89 min Scan# 1323

Delta R.T. -0.04 min

Lab File: VY003738.D

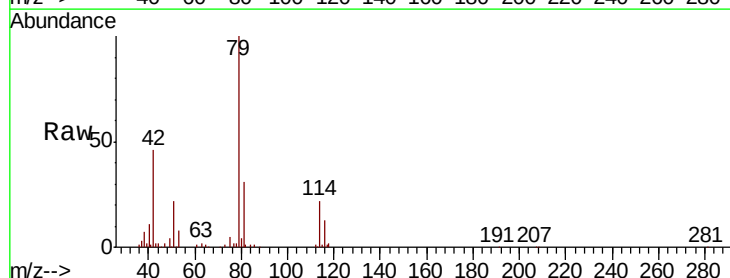
Acq: 11 Dec 2020 19:29

Tgt Ion: 75 Resp: 3438

Ion Ratio Lower Upper

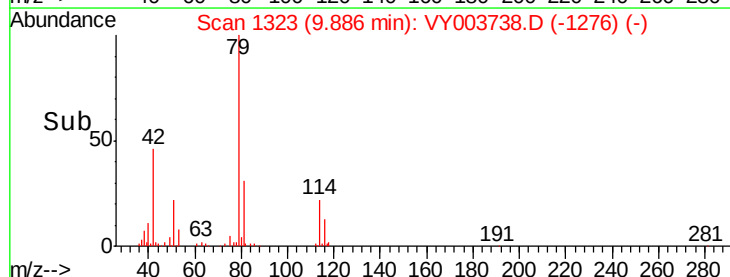
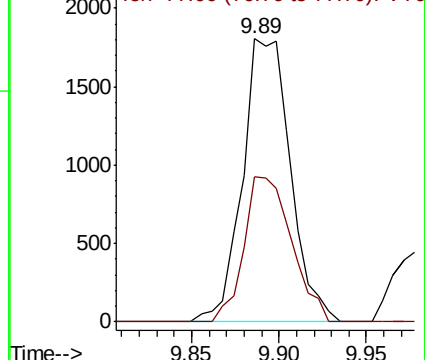
75 100

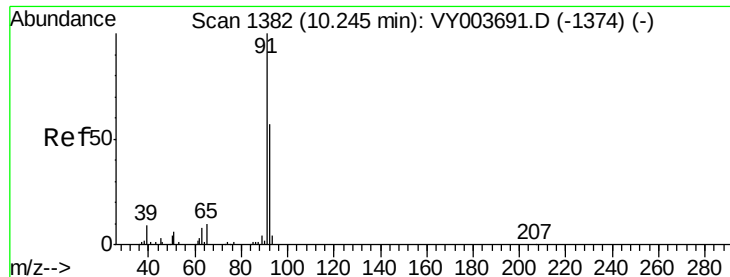
77 51.3 21.3 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0





#44

Toluene

Concen: 1.769 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003738.D

Acq: 11 Dec 2020 19:29

Instrument :

MSVOA_Y

ClientSampleId :

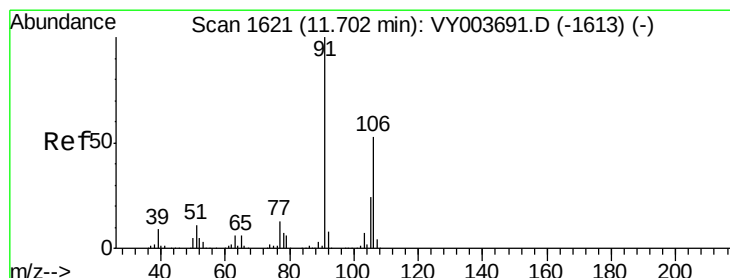
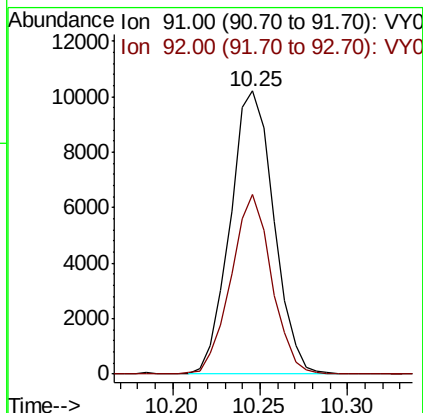
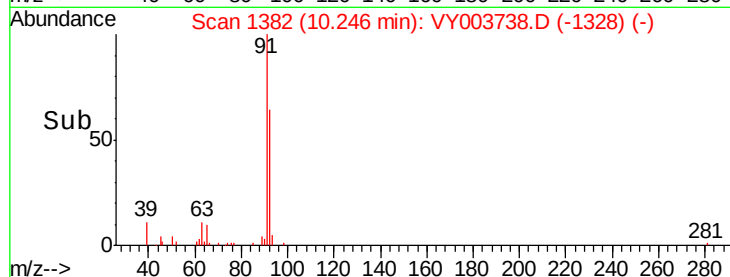
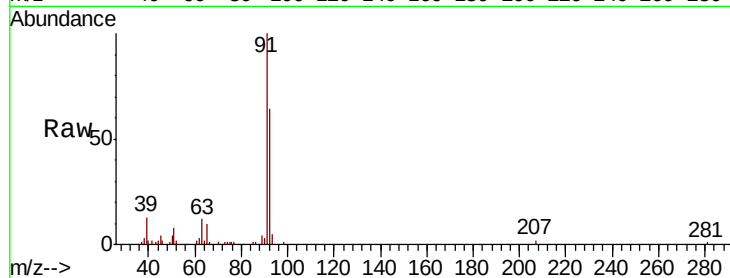
C0AD9

Tot Ion: 91 Resp: 17707

Ion Ratio Lower Upper

91 100

92 63.5 39.8 73.8



#54

m,p-Xylene

Concen: 0.747 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VY003738.D

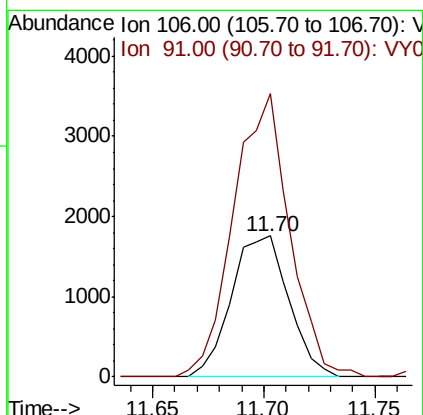
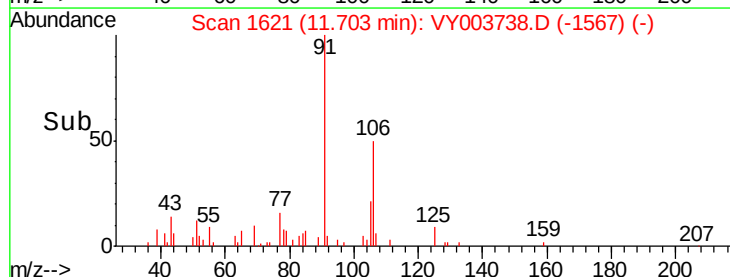
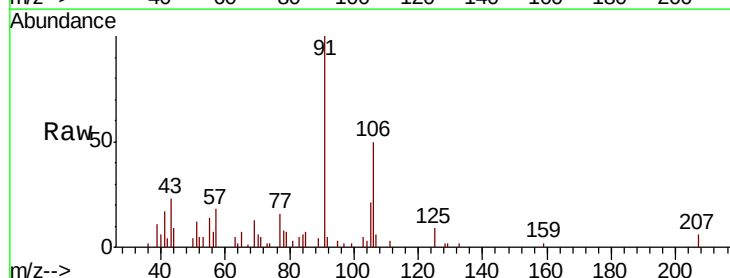
Acq: 11 Dec 2020 19:29

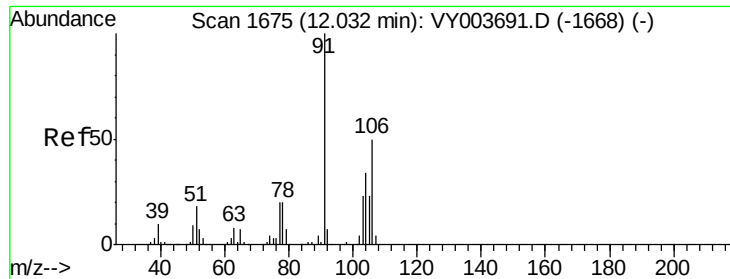
Tgt Ion: 106 Resp: 3150

Ion Ratio Lower Upper

106 100

91 201.1 131.3 243.9





#55

o-xylene

Concen: 0.826 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. -0.01 min

Lab File: VY003738.D

Acq: 11 Dec 2020 19:29

Instrument :

MSVOA_Y

ClientSampleId :

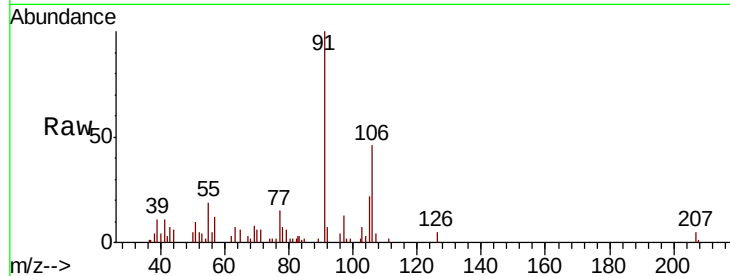
C0AD9

Tot Ion:106 Resp: 3340

Ion Ratio Lower Upper

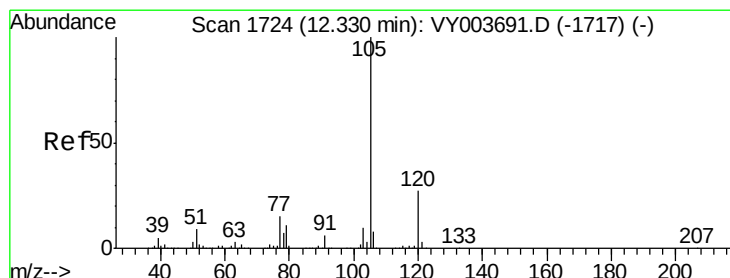
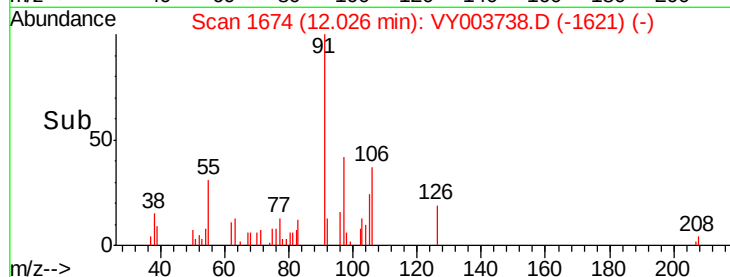
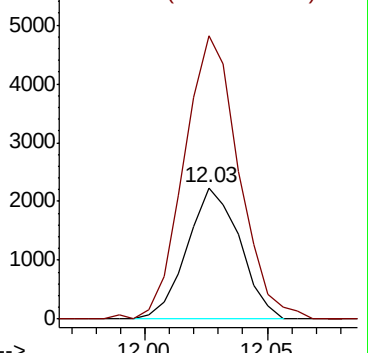
106 100

91 215.9 141.7 263.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#57

Isopropylbenzene

Concen: 0.286 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. -0.01 min

Lab File: VY003738.D

Acq: 11 Dec 2020 19:29

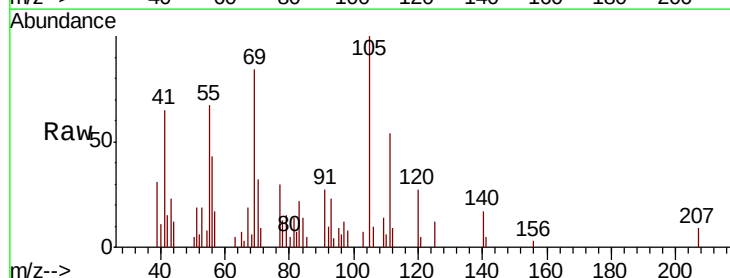
Tgt Ion:105 Resp: 3023

Ion Ratio Lower Upper

105 100

120 23.9 22.3 33.5

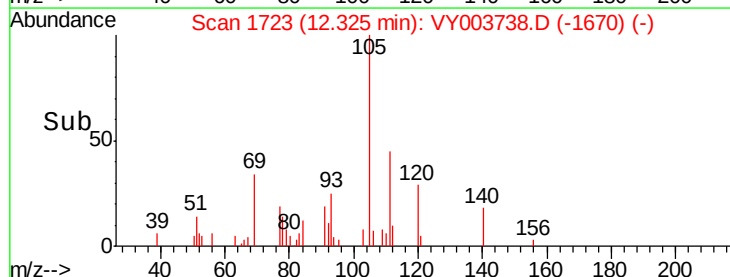
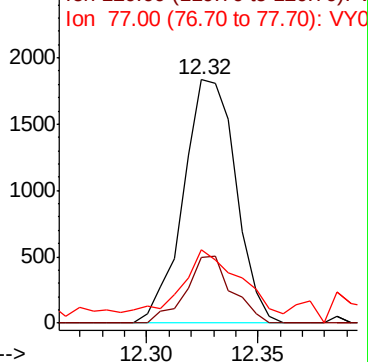
77 25.6 11.9 17.9#

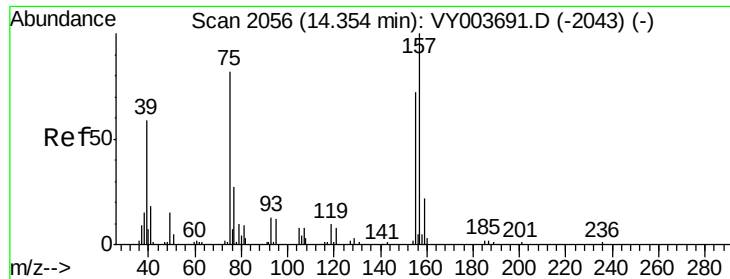


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VY0

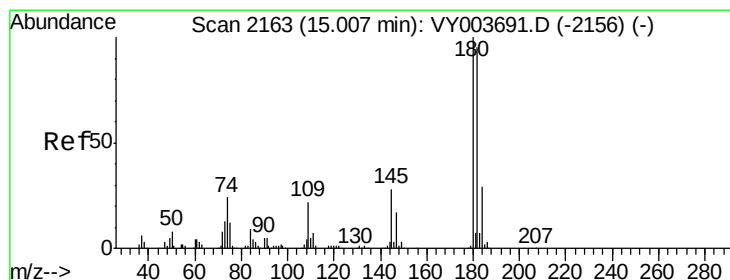
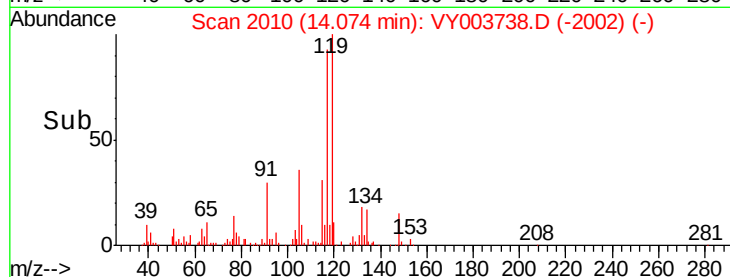
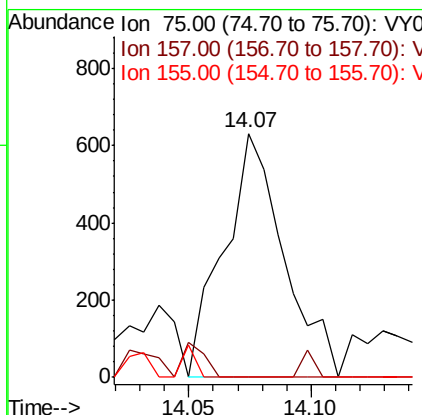
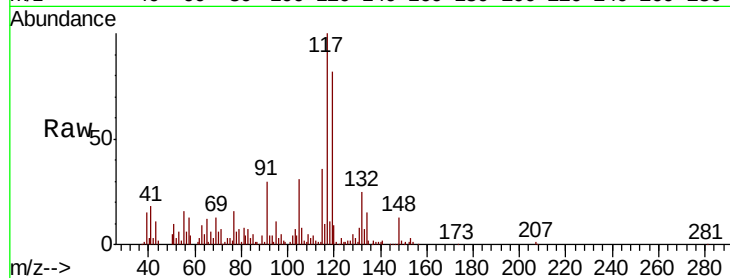




#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.916 ug/L
 RT: 14.07 min Scan# 2010
 Delta R.T. -0.28 min
 Lab File: VY003738.D
 Acq: 11 Dec 2020 19:29

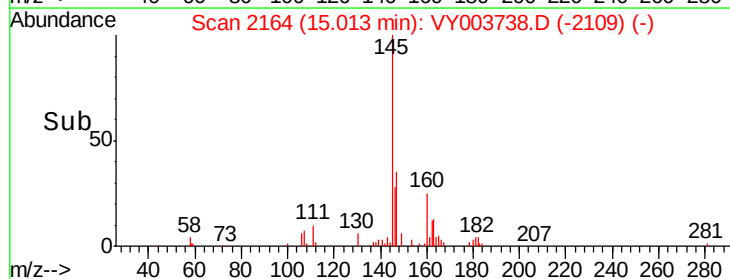
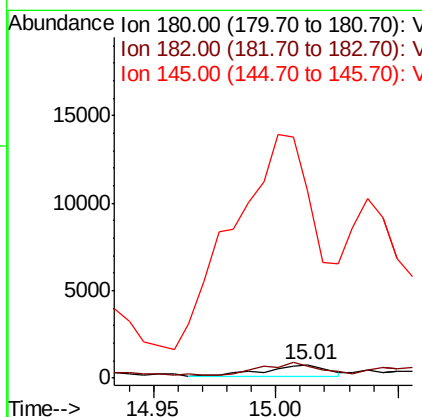
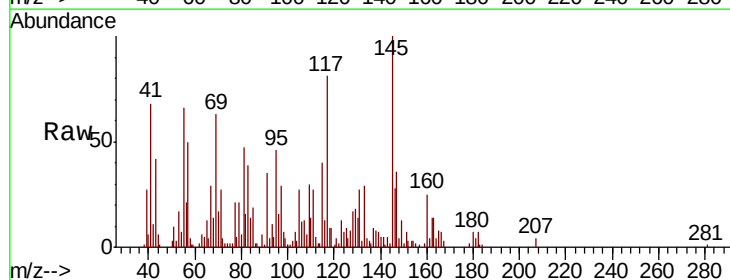
Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AD9

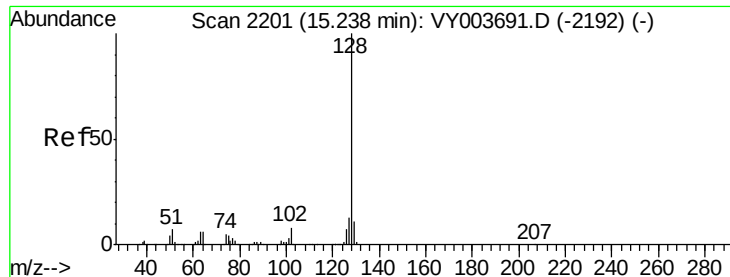
Tot Ion: 75 Resp: 1074
 Ion Ratio Lower Upper
 75 100
 157 0.0 101.3 151.9#
 155 0.0 76.2 114.4#



#68
 1,2,4-trichlorobenzene
 Concen: 0.949 ug/L
 RT: 15.01 min Scan# 2164
 Delta R.T. 0.01 min
 Lab File: VY003738.D
 Acq: 11 Dec 2020 19:29

Tgt Ion: 180 Resp: 1216
 Ion Ratio Lower Upper
 180 100
 182 99.8 76.5 114.7
 145 2813.7 22.2 33.4#

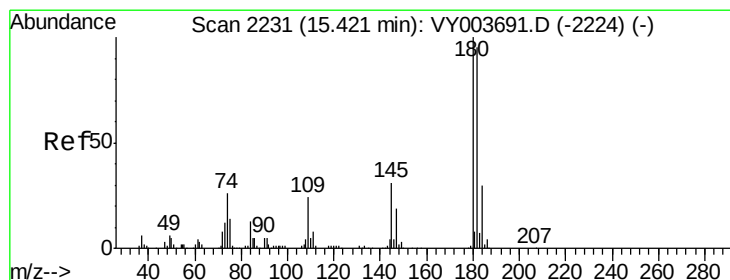
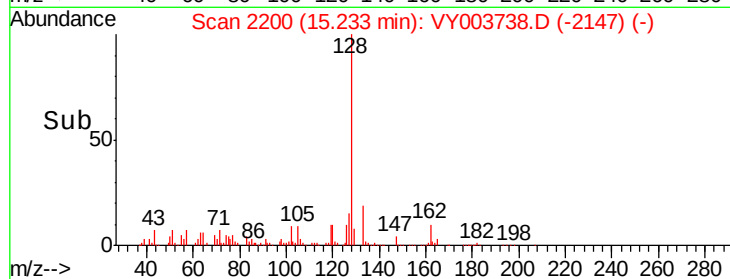
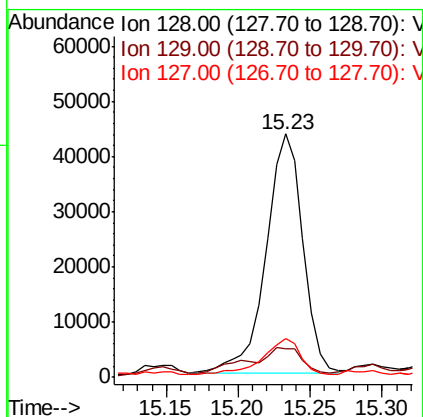
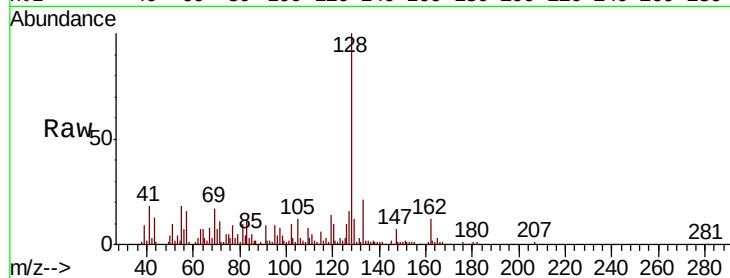




#69
Naphthalene
Concen: 28.465 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. -0.01 min
Lab File: VY003738.D
Acq: 11 Dec 2020 19:29

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9

Tot Ion:128 Resp: 76489
Ion Ratio Lower Upper
128 100
129 9.8 8.7 13.1
127 16.1 10.2 15.4#



#70
1,2,3-Trichlorobenzene
Concen: 1.300 ug/L
RT: 15.45 min Scan# 2235
Delta R.T. 0.02 min
Lab File: VY003738.D
Acq: 11 Dec 2020 19:29

Tgt Ion:180 Resp: 1522
Ion Ratio Lower Upper
180 100
182 25.4 76.9 115.3#
145 2412.7 24.2 36.4#

