

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
 Data File : VY003759.D
 Acq On : 14 Dec 2020 19:34
 Operator : SY/MD
 Sample : L5063-07RE
 Misc : 4.37G/10ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AD9RE

Quant Time: Dec 15 03:42:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 15 03:40:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	258053	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	196066	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	62423	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	105318	29.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	119.64%
7) Chloroethane-d5	2.77	69	81588	31.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	124.28%
10) 1,1-Dichloroethene-d2	3.86	63	154016	20.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.24%
20) 2-Butanone-d5	6.90	46	70018	45.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.24%
24) Chloroform-d	7.49	84	181923	27.15	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.60%
26) 1,2-Dichloroethane-d4	8.15	65	104327	27.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.12%
29) Benzene-d6	8.12	84	377636	33.28	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	133.12%
33) 1,2-Dichloropropane-d6	9.12	67	114939	32.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	130.12%#
37) Toluene-d8	10.18	98	300497	29.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	117.04%
38) trans-1,3-Dichloropropene-	10.44	79	51356	29.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	119.24%
39) 2-Hexanone-d5	10.79	63	53684	55.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.18%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	77678	25.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.56%
61) 1,2-Dichlorobenzene-d4	13.72	152	63268	28.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	112.88%

Target Compounds

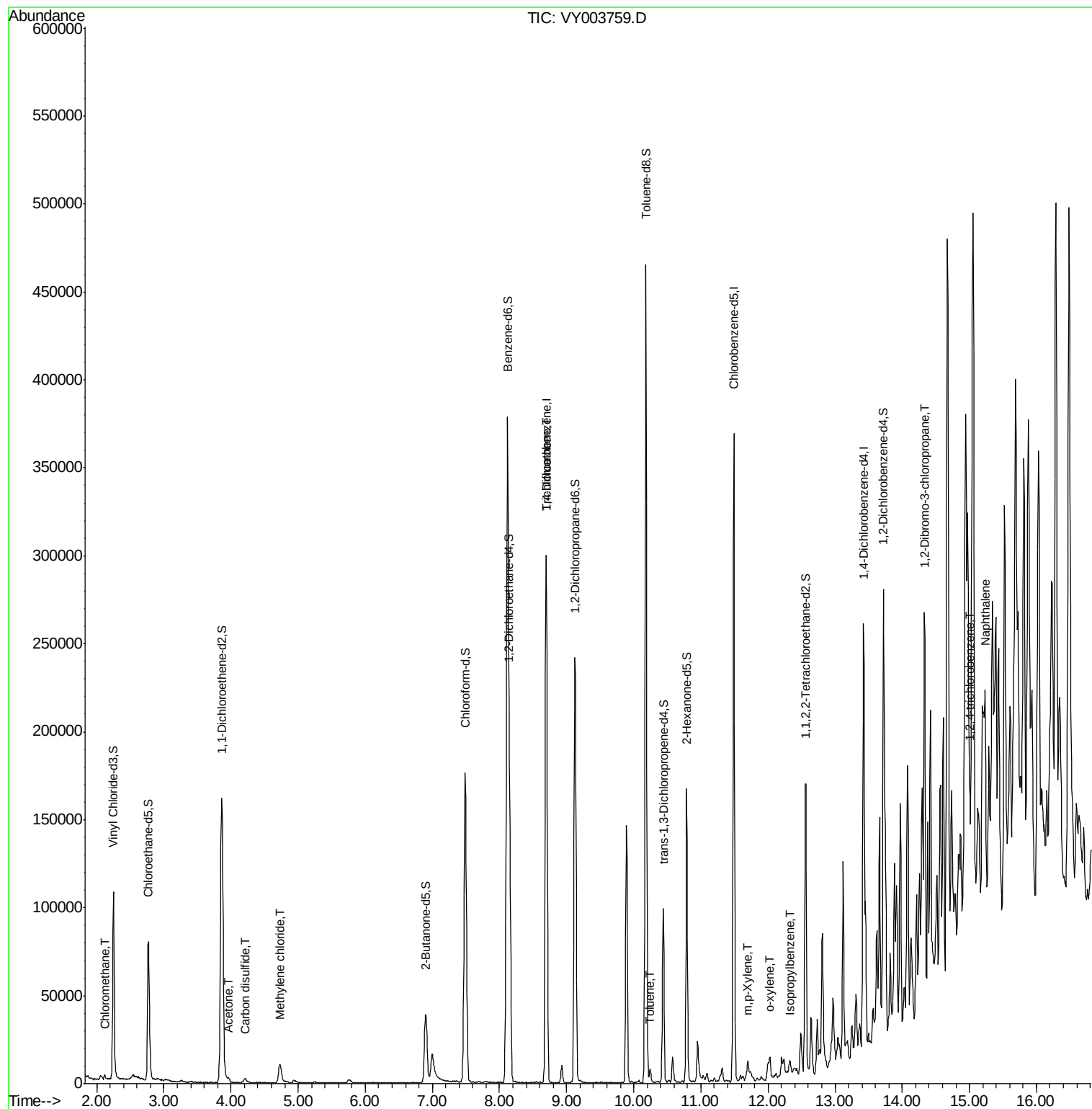
					Ovalue
3) Chloromethane	2.12	50	2289	0.569 ug/L	97
13) Acetone	3.97	43	4064	3.841 ug/L	64
14) Carbon disulfide	4.21	76	2422	0.193 ug/L	96
16) Methylene chloride	4.72	84	3637	0.785 ug/L	96
35) Trichloroethene	8.70	95	7737	2.311 ug/L #	3
44) Toluene	10.25	91	5302	0.400 ug/L	97
54) m,p-Xylene	11.70	106	2712	0.486 ug/L	81
55) o-xylene	12.03	106	2798	0.534 ug/L	79
57) Isopropylbenzene	12.33	105	2627	0.188 ug/L #	87
66) 1,2-Dibromo-3-chloropropan	14.34	75	1785	4.874 ug/L #	1
68) 1,2,4-trichlorobenzene	15.01	180	1093	0.456 ug/L #	1
69) Naphthalene	15.23	128	82311	15.052 ug/L	98

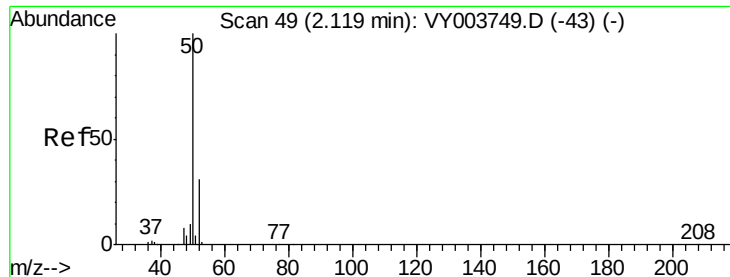
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Dec 15 03:40:13 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.569 ug/L

RT: 2.12 min Scan# 49

Delta R.T. -0.00 min

Lab File: VY003759.D

Acq: 14 Dec 2020 19:34

Instrument :

MSVOA_Y

ClientSampleId :

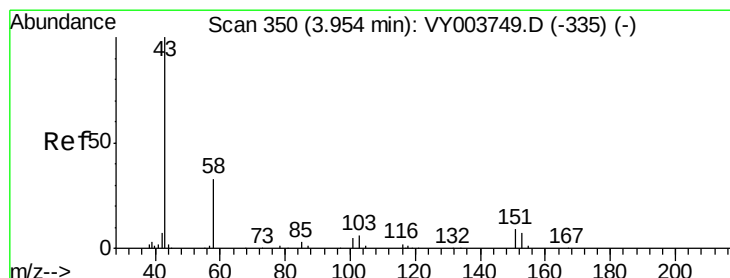
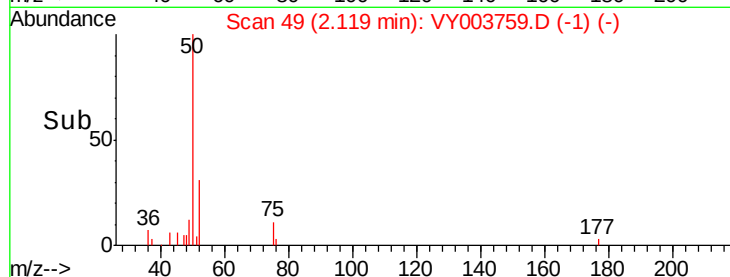
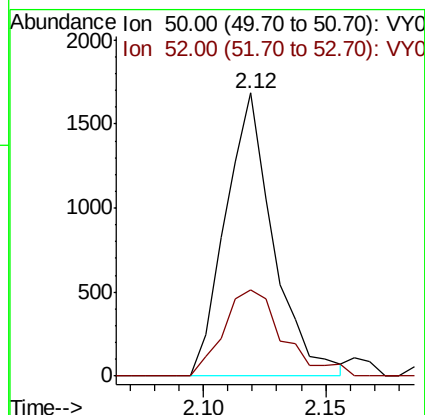
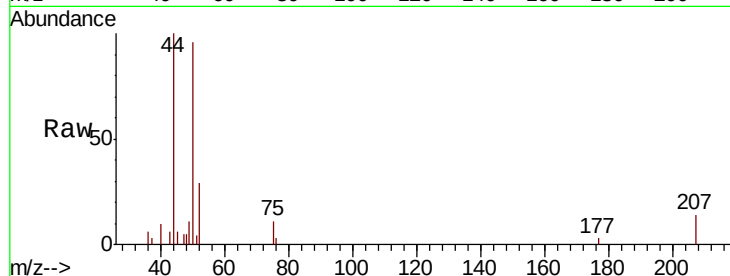
C0AD9RE

Tot Ion: 50 Resp: 2289

Ion Ratio Lower Upper

50 100

52 30.6 22.8 42.4



#13

Acetone

Concen: 3.841 ug/L

RT: 3.97 min Scan# 352

Delta R.T. 0.01 min

Lab File: VY003759.D

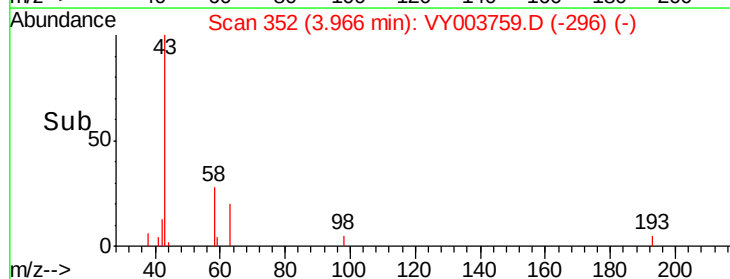
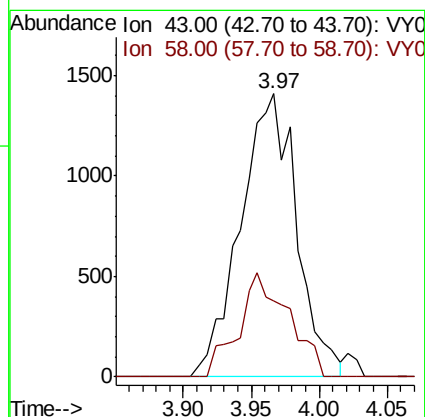
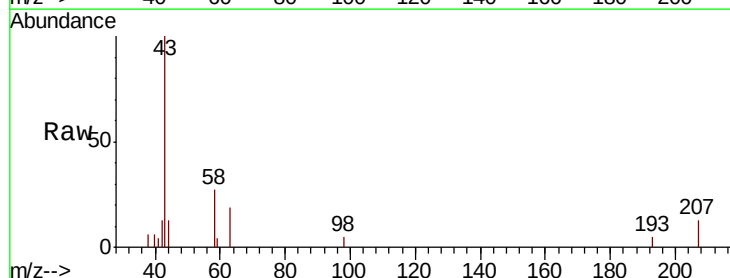
Acq: 14 Dec 2020 19:34

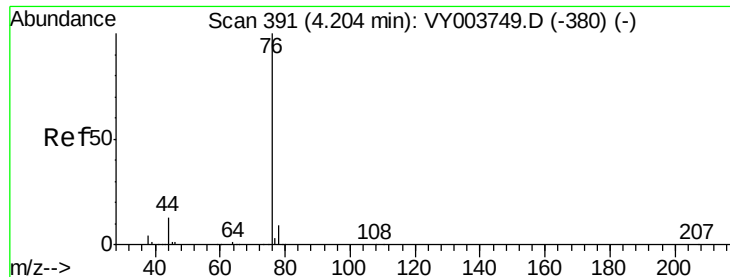
Tgt Ion: 43 Resp: 4064

Ion Ratio Lower Upper

43 100

58 12.4 0.0 65.4





#14

Carbon disulfide

Concen: 0.193 ug/L

RT: 4.21 min Scan# 392

Delta R.T. 0.01 min

Lab File: VY003759.D

Acq: 14 Dec 2020 19:34

Instrument :

MSVOA_Y

ClientSampleId :

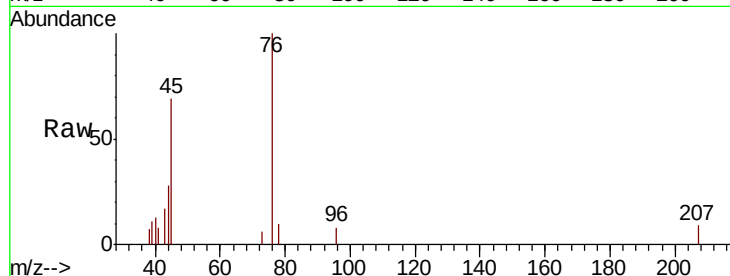
C0AD9RE

Tot Ion: 76 Resp: 2422

Ion Ratio Lower Upper

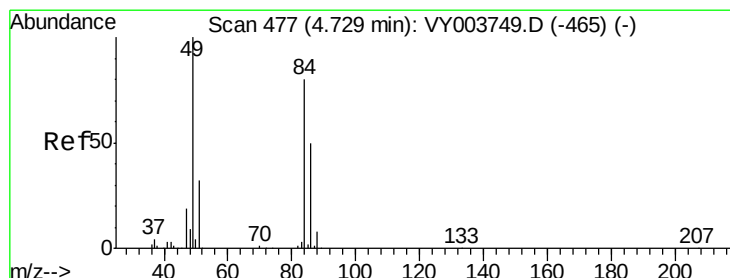
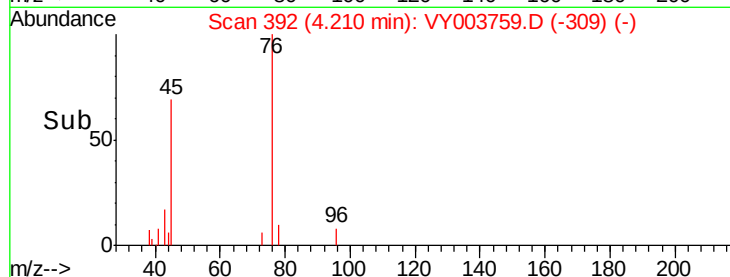
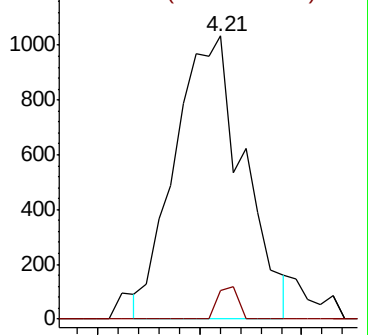
76 100

78 10.3 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: 0.785 ug/L

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VY003759.D

Acq: 14 Dec 2020 19:34

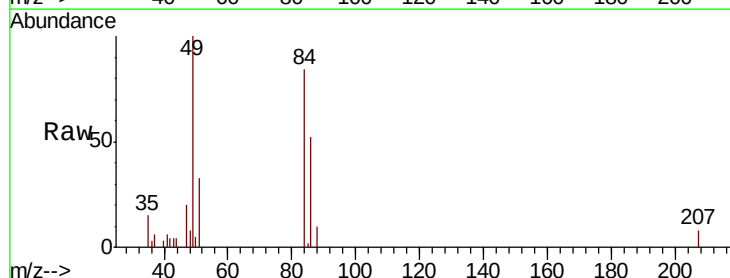
Tgt Ion: 84 Resp: 3637

Ion Ratio Lower Upper

84 100

49 119.0 88.2 163.8

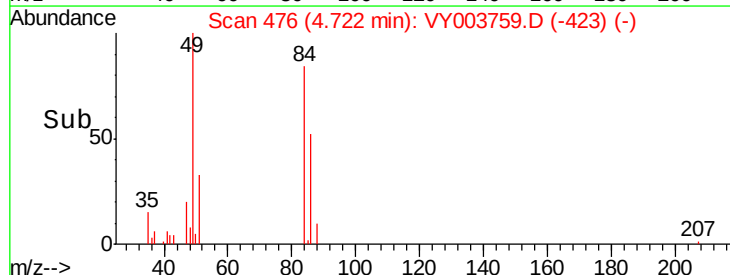
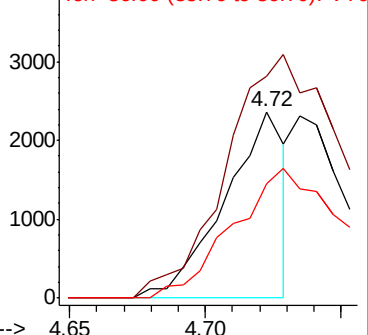
86 61.4 43.0 79.8

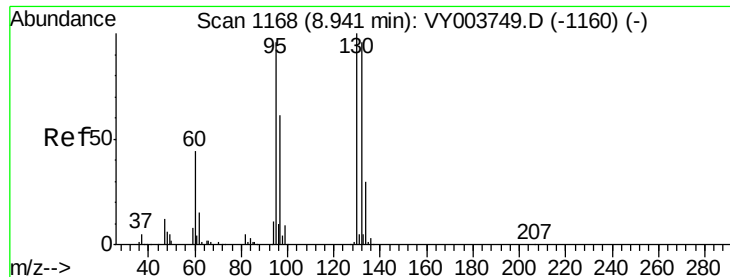


Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

Ion 86.00 (85.70 to 86.70): VY0





#35

Trichloroethene

Concen: 2.311 ug/L

RT: 8.70 min Scan# 1128

Delta R.T. -0.24 min

Lab File: VY003759.D

Acq: 14 Dec 2020 19:34

Instrument :

MSVOA_Y

ClientSampleId :

C0AD9RE

Tot Ion: 95 Resp: 7737

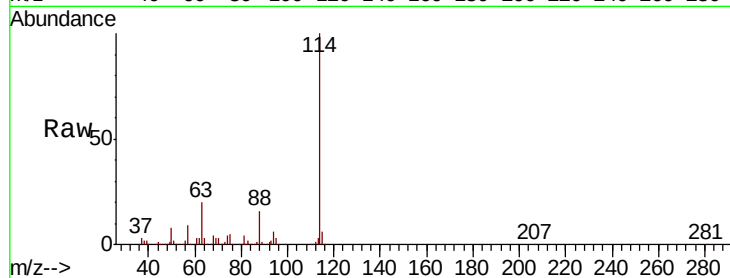
Ion Ratio Lower Upper

95 100

97 0.8 45.4 84.4#

132 0.0 70.8 131.4#

130 0.0 74.1 137.7#

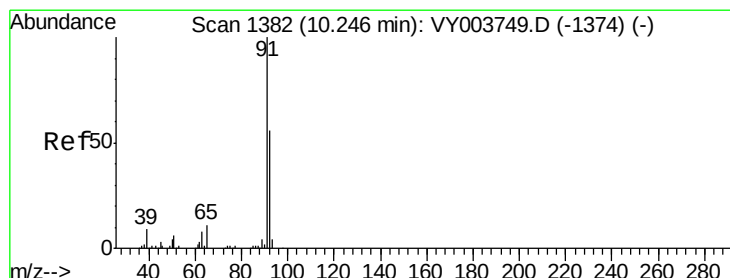
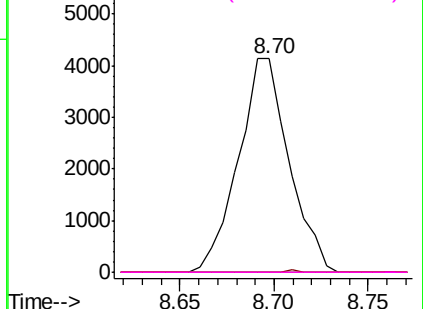
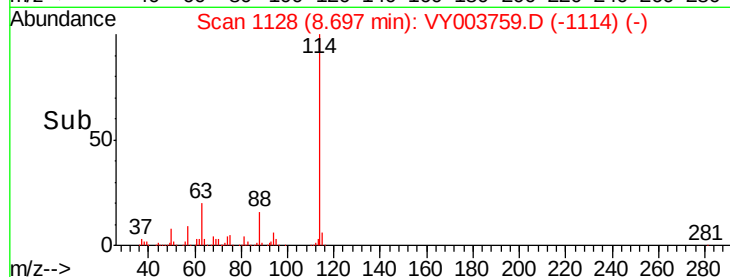


Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): VY0

Ion 130.00 (129.70 to 130.70): VY0



#44

Toluene

Concen: 0.400 ug/L

RT: 10.25 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VY003759.D

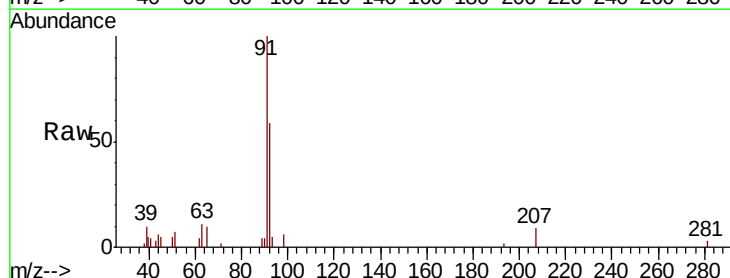
Acq: 14 Dec 2020 19:34

Tgt Ion: 91 Resp: 5302

Ion Ratio Lower Upper

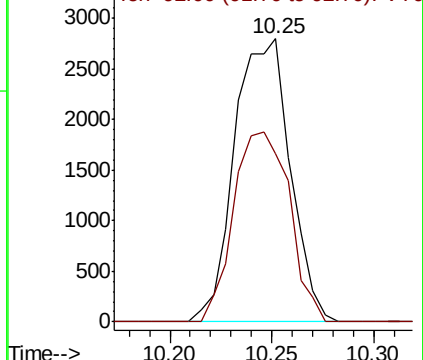
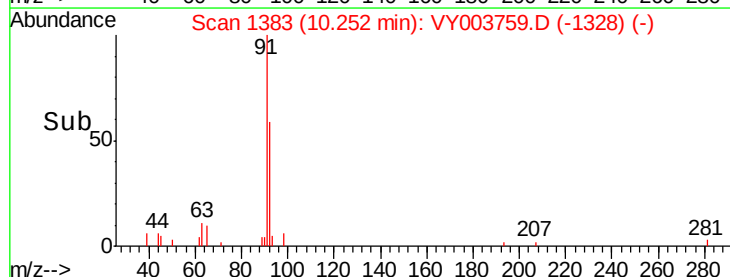
91 100

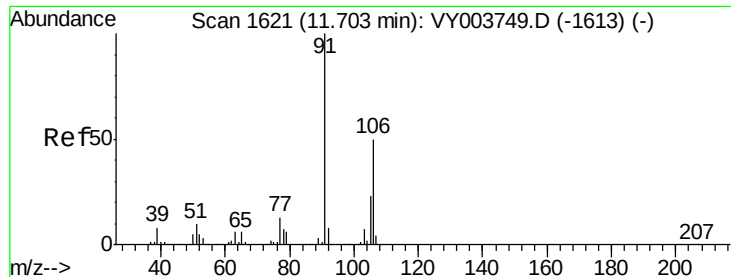
92 59.4 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0





#54

m,p-Xylene

Concen: 0.486 ug/L

RT: 11.70 min Scan# 1620

Delta R.T. -0.01 min

Lab File: VY003759.D

Acq: 14 Dec 2020 19:34

Instrument :

MSVOA_Y

ClientSampleId :

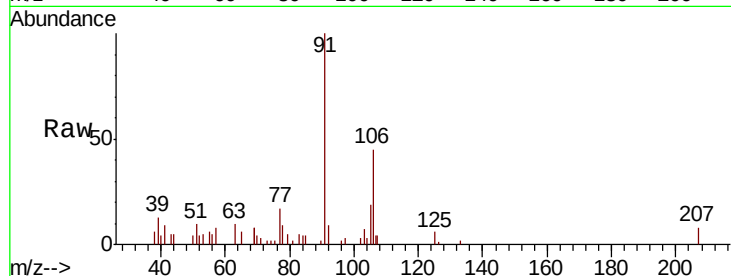
C0AD9RE

Tot Ion:106 Resp: 2712

Ion Ratio Lower Upper

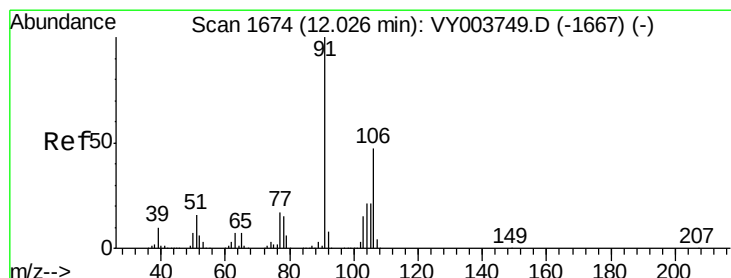
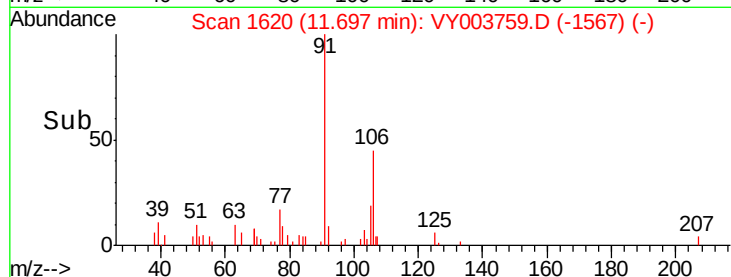
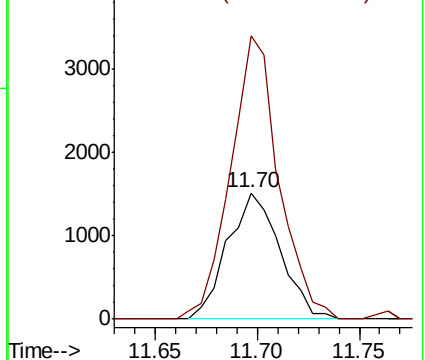
106 100

91 223.7 136.4 253.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

o-xylene

Concen: 0.534 ug/L

RT: 12.03 min Scan# 1675

Delta R.T. 0.01 min

Lab File: VY003759.D

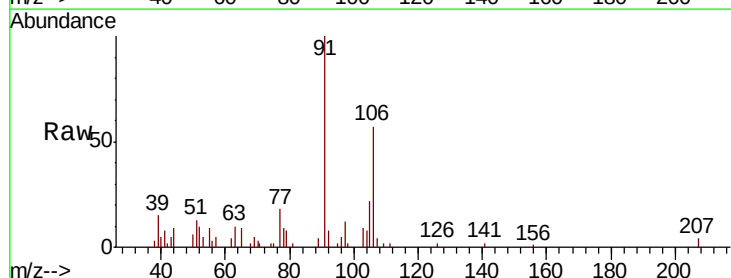
Acq: 14 Dec 2020 19:34

Tgt Ion:106 Resp: 2798

Ion Ratio Lower Upper

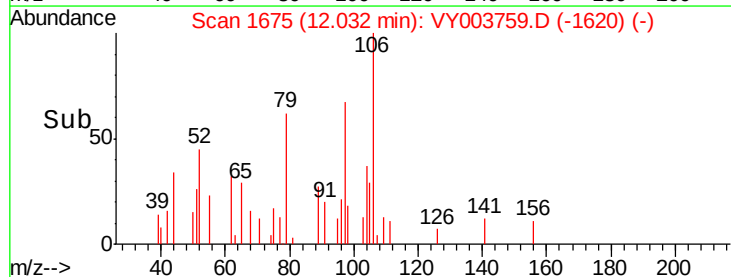
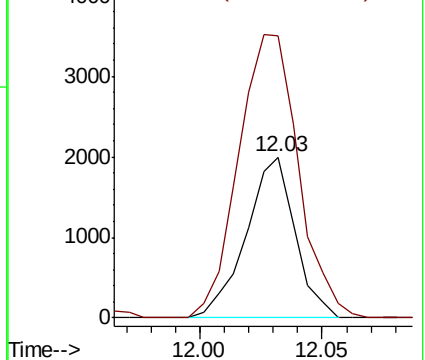
106 100

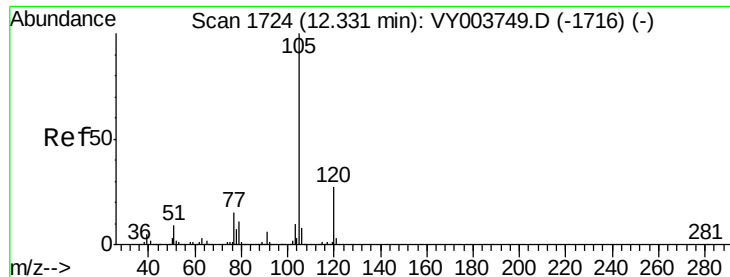
91 175.3 145.5 270.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#57

Isopropylbenzene

Concen: 0.188 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. -0.00 min

Lab File: VY003759.D

Acq: 14 Dec 2020 19:34

Instrument :

MSVOA_Y

ClientSampleId :

C0AD9RE

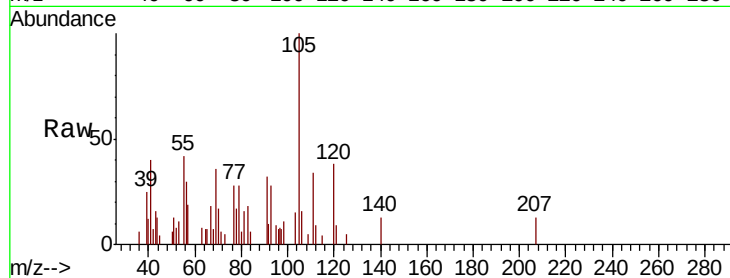
Tot Ion:105 Resp: 2627

Ion Ratio Lower Upper

105 100

120 27.0 22.1 33.1

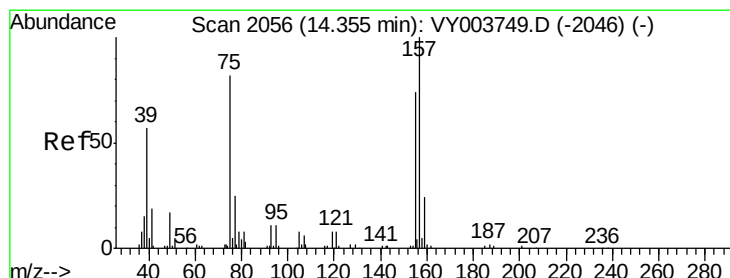
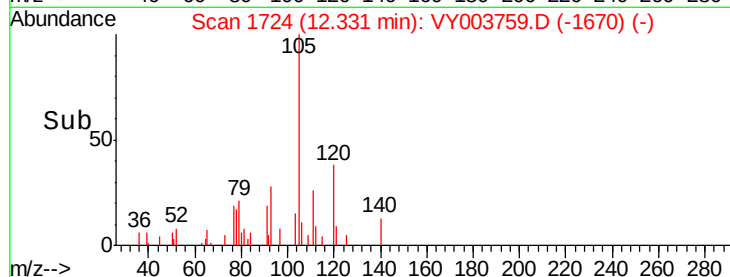
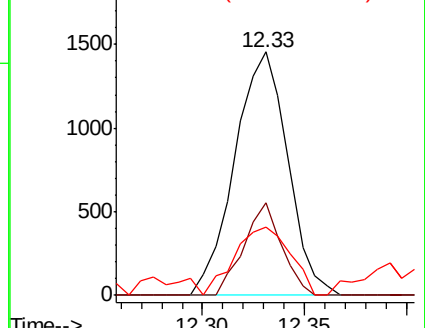
77 29.3 12.2 18.4#



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): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.874 ug/L

RT: 14.34 min Scan# 2053

Delta R.T. -0.02 min

Lab File: VY003759.D

Acq: 14 Dec 2020 19:34

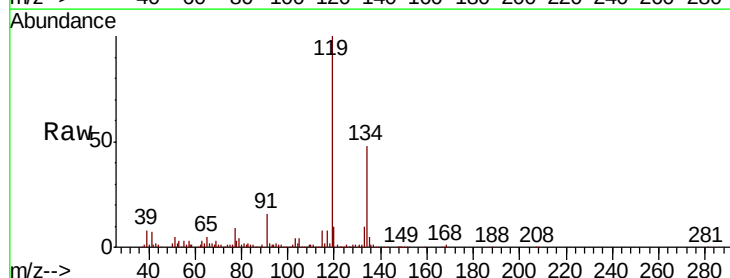
Tgt Ion: 75 Resp: 1785

Ion Ratio Lower Upper

75 100

157 0.0 93.8 140.8#

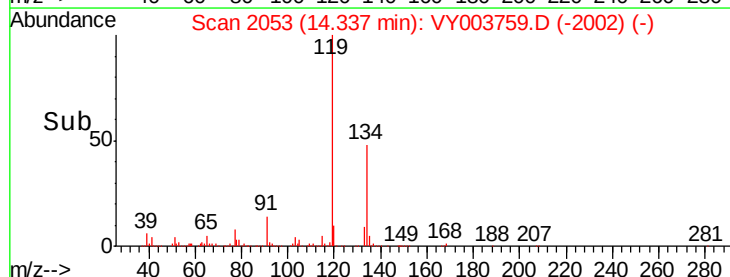
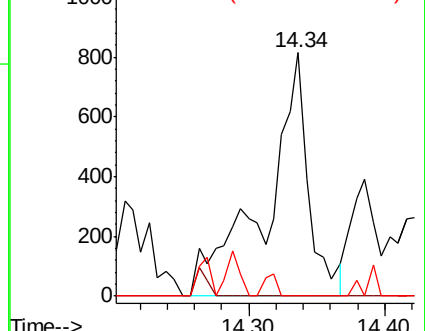
155 0.0 70.9 106.3#

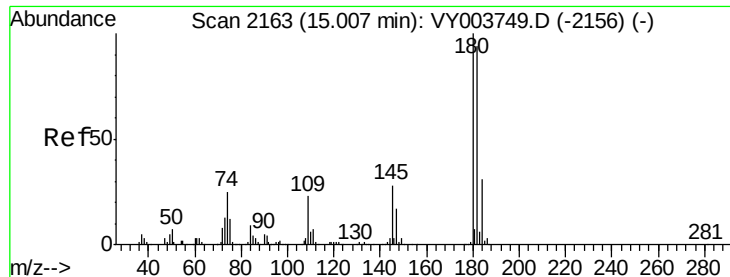


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

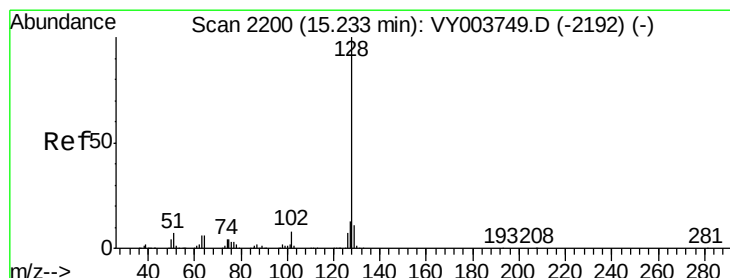
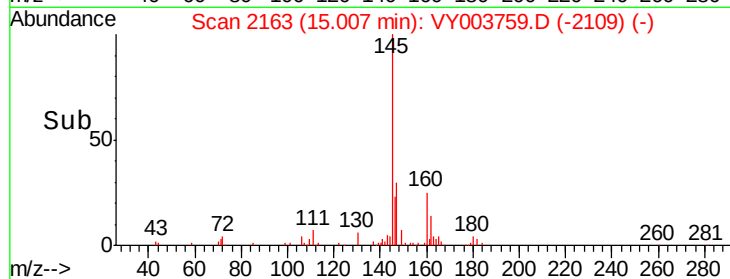
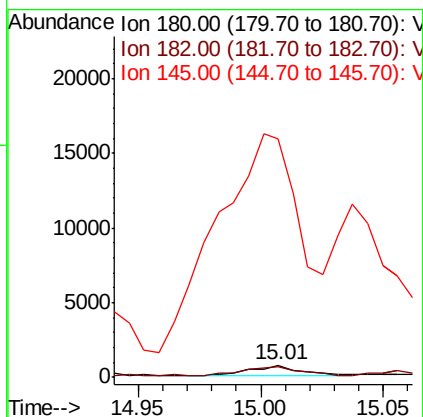
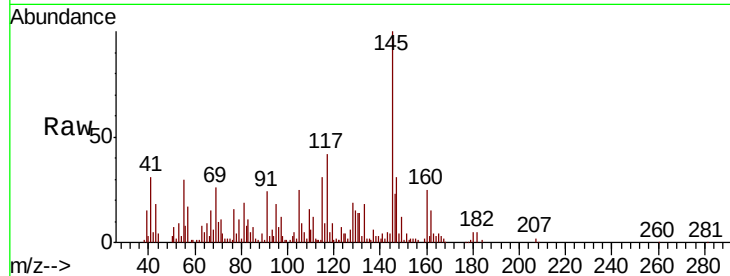




#68
 1,2,4-trichlorobenzene
 Concen: 0.456 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VY003759.D
 Acq: 14 Dec 2020 19:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AD9RE

Tot Ion:180 Resp: 1093
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.8 115.2
 145 3640.1 23.7 35.5#



#69
 Naphthalene
 Concen: 15.052 ug/L
 RT: 15.23 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VY003759.D
 Acq: 14 Dec 2020 19:34

Tgt Ion:128 Resp: 82311
 Ion Ratio Lower Upper
 128 100
 129 10.3 8.6 12.8
 127 13.8 10.2 15.4

