

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120920\
 Data File : VY003703.D
 Acq On : 09 Dec 2020 16:11
 Operator : SY/MD
 Sample : L4979-12
 Misc : 6.42G/10ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1G2

Quant Time: Dec 10 02:30:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 10 02:27:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	85152	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	72902	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	23729	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	27434	22.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.12%
7) Chloroethane-d5	2.77	69	22879	25.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.72%
10) 1,1-Dichloroethene-d2	3.86	63	43362	19.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.52%
20) 2-Butanone-d5	6.91	46	20336	47.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.74%
24) Chloroform-d	7.49	84	55386	25.28	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.12%
26) 1,2-Dichloroethane-d4	8.15	65	28988	23.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.04%
29) Benzene-d6	8.12	84	114349	27.09	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.36%
33) 1,2-Dichloropropane-d6	9.12	67	32952	26.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.52%
37) Toluene-d8	10.18	98	93508	24.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.88%
38) trans-1,3-Dichloropropene-	10.44	79	14407	24.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.56%
39) 2-Hexanone-d5	10.79	63	15028	48.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.06%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	26135	23.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.96%
61) 1,2-Dichlorobenzene-d4	13.72	152	21510	24.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.80%

Target Compounds

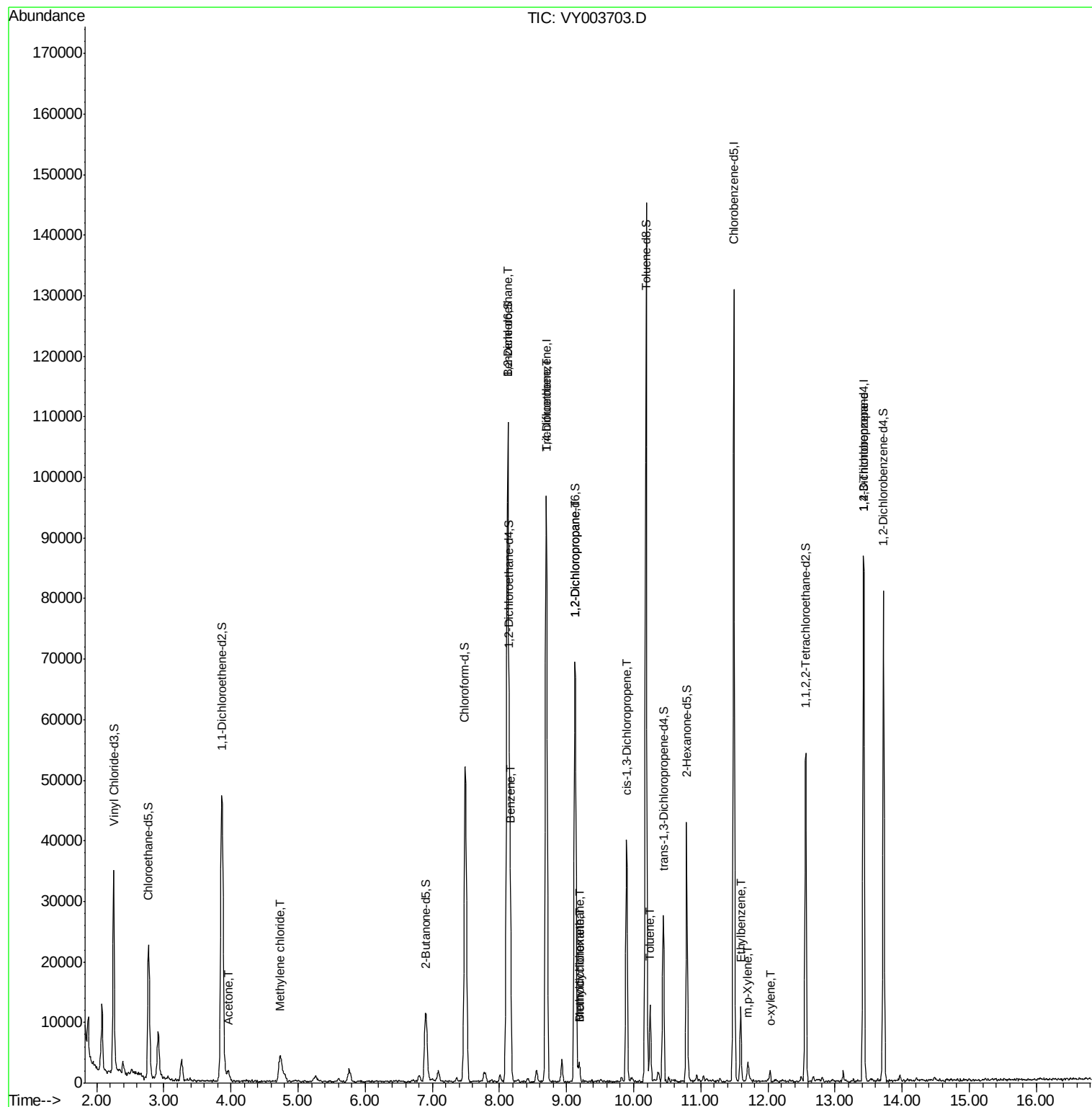
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	3.96	43	3075	9.772	ug/L	67
16) Methylene chloride	4.73	84	1933	1.293	ug/L	93
27) 1,2-Dichloroethane	8.12	62	618	0.469	ug/L #	73
34) Benzene	8.17	78	2757	0.661	ug/L	100
35) Trichloroethene	8.70	95	2508	2.190	ug/L #	2
36) Methylcyclohexane	9.20	83	1074	0.612	ug/L #	83
40) 1,2-Dichloropropane	9.12	63	3918	3.746	ug/L #	86
41) Bromodichloromethane	9.20	83	564	0.424	ug/L #	26
42) cis-1,3-Dichloropropene	9.89	75	1142	0.694	ug/L #	82
44) Toluene	10.25	91	9155	2.081	ug/L	93
53) Ethylbenzene	11.59	91	8468	1.764	ug/L	98
54) m,p-Xylene	11.70	106	949	0.512	ug/L	96
55) o-xylene	12.03	106	478	0.269	ug/L #	55
59) 1,2,3-Trichloropropane	13.42	75	2951	3.414	ug/L	93

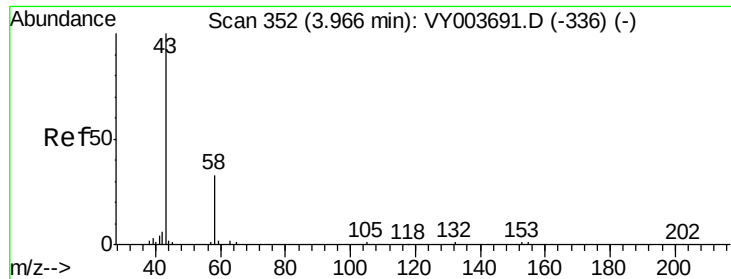
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Dec 10 02:27:01 2020
Response via : Initial Calibration





#13

Acetone

Concen: 9.772 ug/L

RT: 3.96 min Scan# 351

Delta R.T. -0.01 min

Lab File: VY003703.D

Acq: 09 Dec 2020 16:11

Instrument :

MSVOA_Y

ClientSampleId :

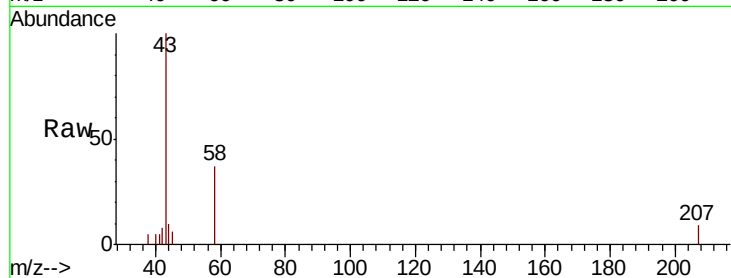
GB1G2

Tot Ion: 43 Resp: 3075

Ion Ratio Lower Upper

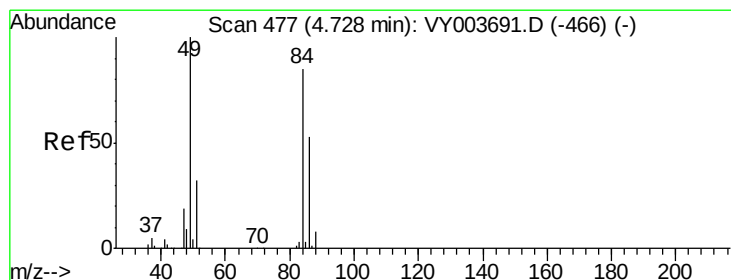
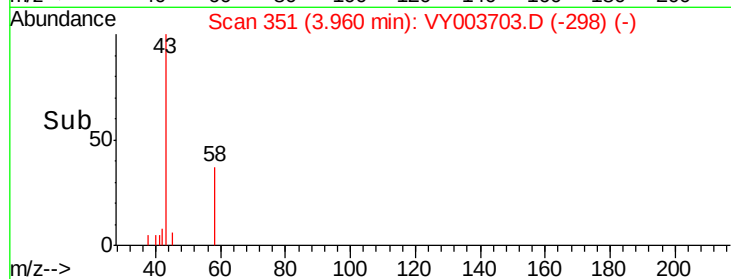
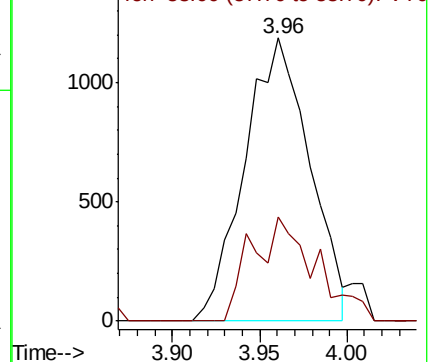
43 100

58 15.5 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#16

Methylene chloride

Concen: 1.293 ug/L

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VY003703.D

Acq: 09 Dec 2020 16:11

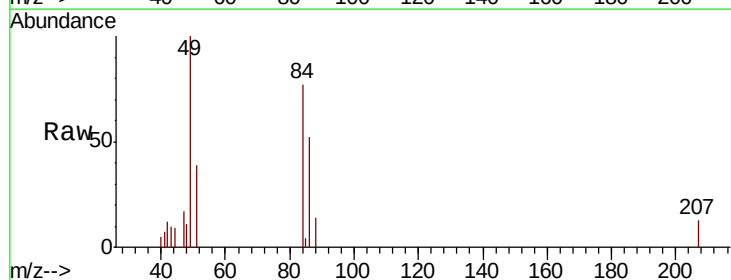
Tgt Ion: 84 Resp: 1933

Ion Ratio Lower Upper

84 100

49 129.6 83.7 155.4

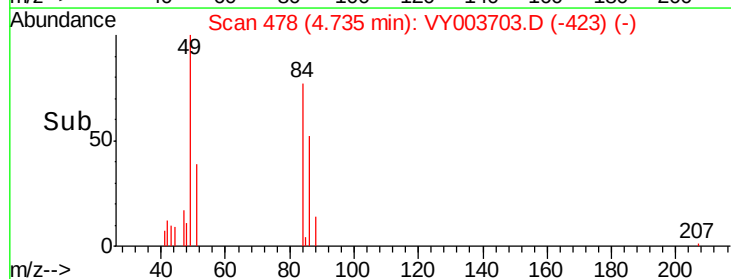
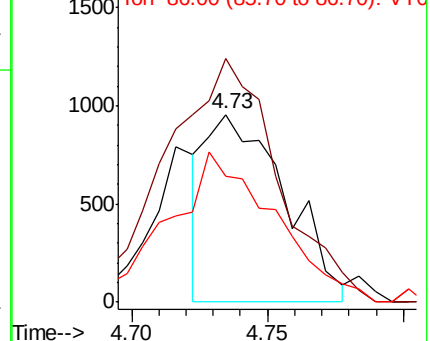
86 66.8 45.0 83.6

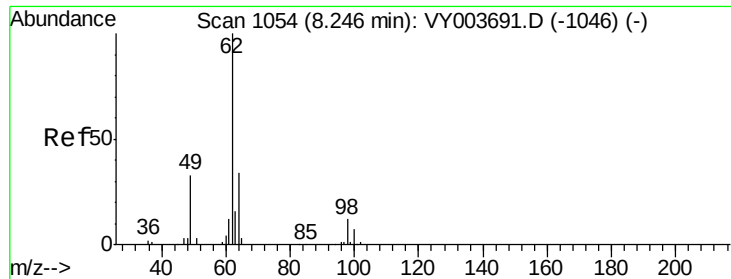


Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

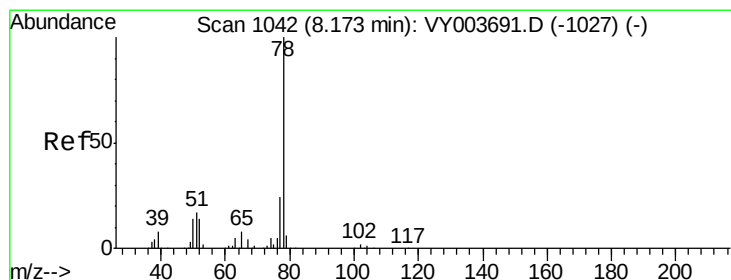
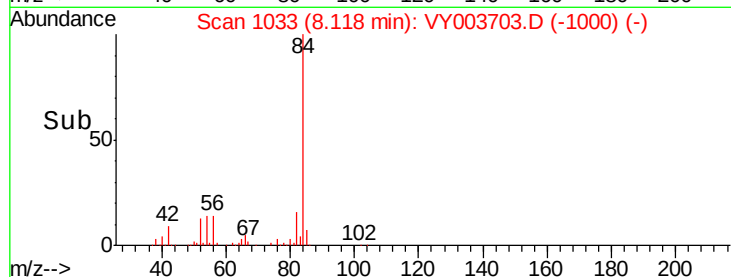
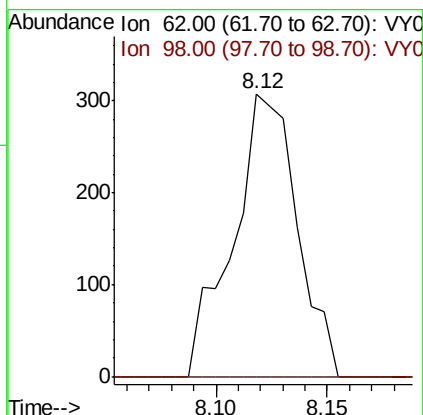
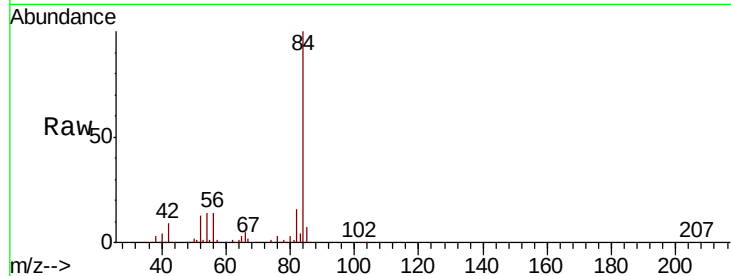




#27
 1,2-Dichloroethane
 Concen: 0.469 ug/L
 RT: 8.12 min Scan# 1033
 Delta R.T. -0.13 min
 Lab File: VY003703.D
 Acq: 09 Dec 2020 16:11

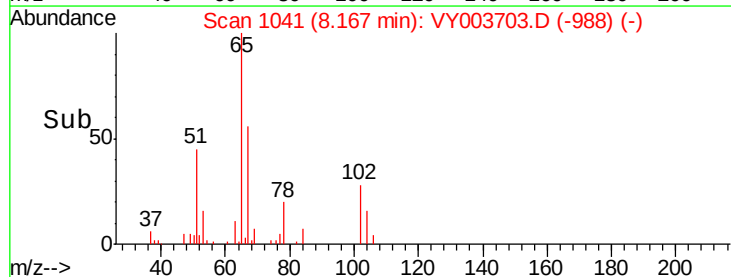
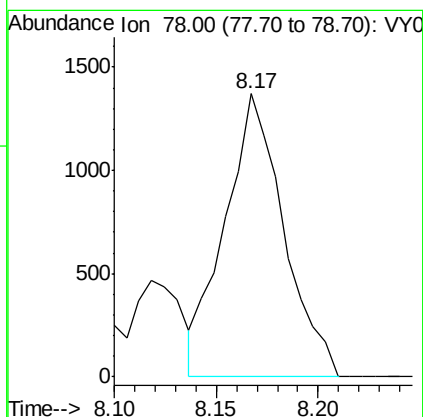
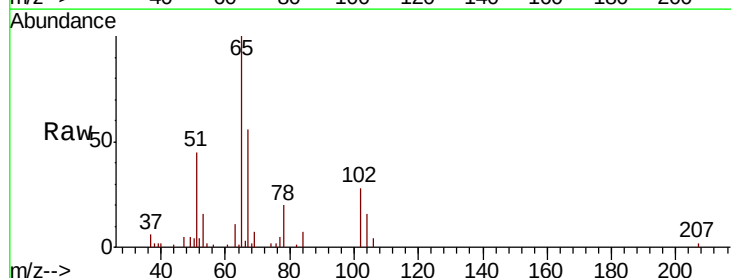
Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1G2

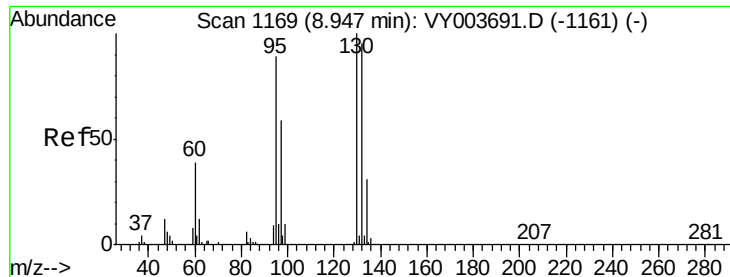
Tot Ion: 62 Resp: 618
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.0 12.0#



#34
 Benzene
 Concen: 0.661 ug/L
 RT: 8.17 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: VY003703.D
 Acq: 09 Dec 2020 16:11

Tgt Ion: 78 Resp: 2757





#35

Trichloroethene

Concen: 2.190 ug/L

RT: 8.70 min Scan# 1129

Delta R.T. -0.24 min

Lab File: VY003703.D

Acq: 09 Dec 2020 16:11

Instrument :

MSVOA_Y

ClientSampleId :

GB1G2

Tot Ion: 95 Resp: 2508

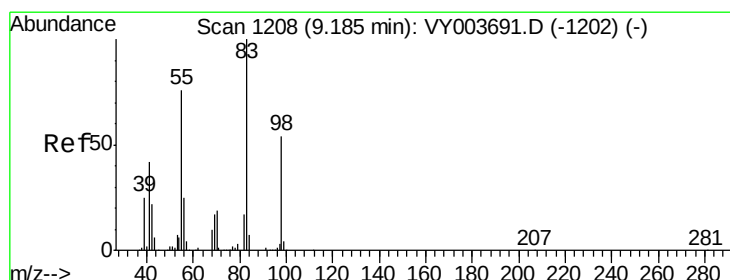
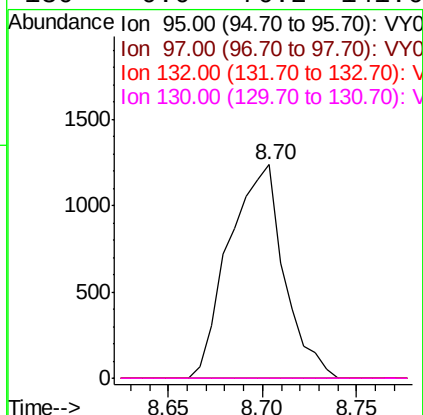
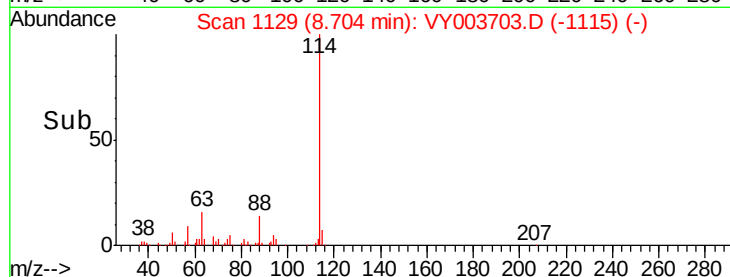
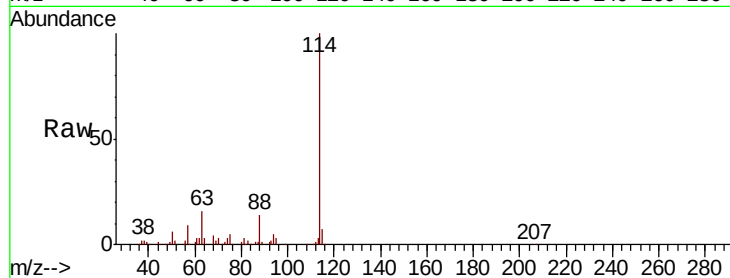
Ion Ratio Lower Upper

95 100

97 0.0 45.8 85.0#

132 0.0 74.2 137.8#

130 0.0 76.2 141.6#



#36

Methylcyclohexane

Concen: 0.612 ug/L

RT: 9.20 min Scan# 1210

Delta R.T. 0.01 min

Lab File: VY003703.D

Acq: 09 Dec 2020 16:11

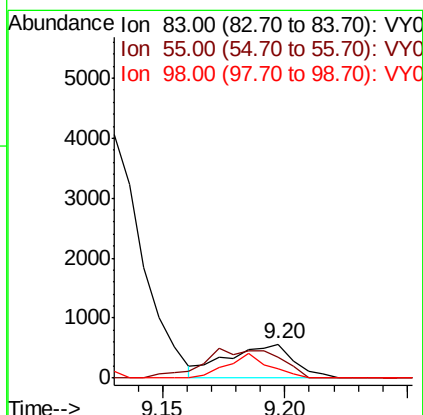
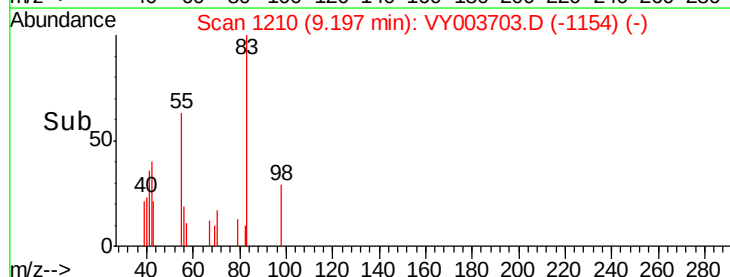
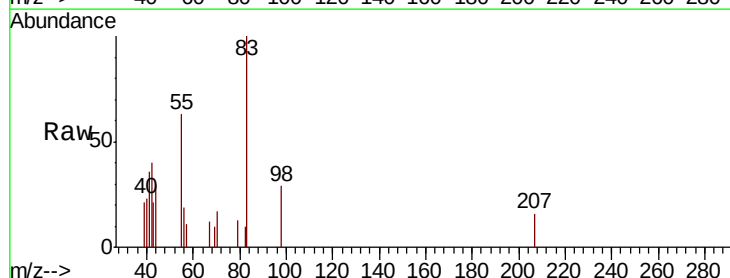
Tgt Ion: 83 Resp: 1074

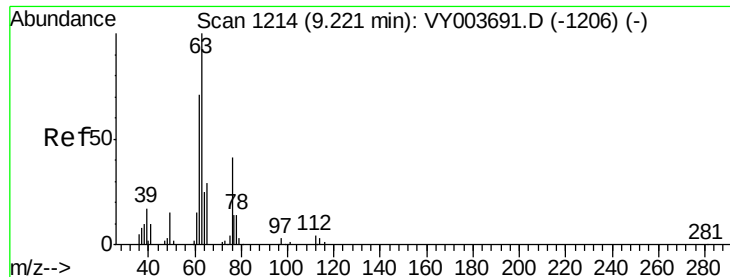
Ion Ratio Lower Upper

83 100

55 50.6 56.4 84.6#

98 46.3 40.3 60.5





#40

1,2-Dichloropropane

Concen: 3.746 ug/L

RT: 9.12 min Scan# 1198

Delta R.T. -0.10 min

Lab File: VY003703.D

Acq: 09 Dec 2020 16:11

Instrument :

MSVOA_Y

ClientSampleId :

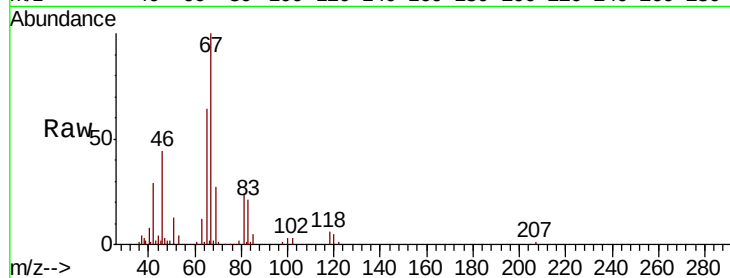
GB1G2

Tot Ion: 63 Resp: 3918

Ion Ratio Lower Upper

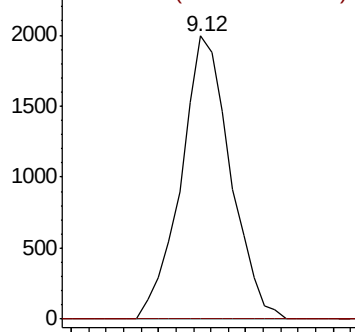
63 100

112 0.0 3.7 5.5#

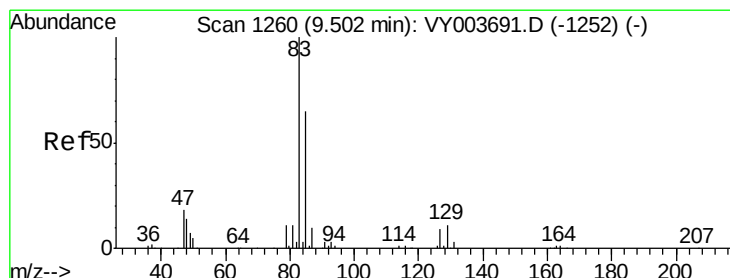
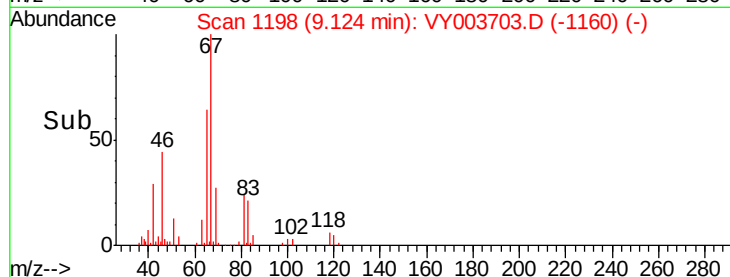


Abundance Ion 63.00 (62.70 to 63.70): VY0

Ion 112.00 (111.70 to 112.70): V



Time--> 9.05 9.10 9.15 9.20



#41

Bromodichloromethane

Concen: 0.424 ug/L

RT: 9.20 min Scan# 1210

Delta R.T. -0.30 min

Lab File: VY003703.D

Acq: 09 Dec 2020 16:11

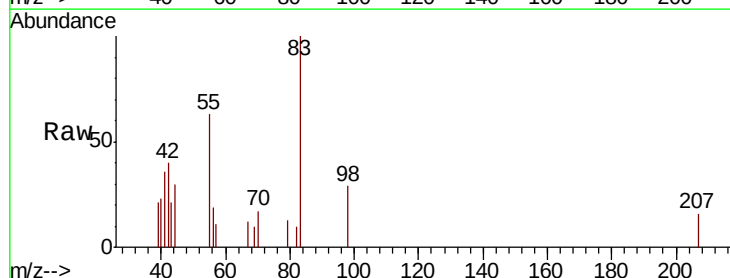
Tgt Ion: 83 Resp: 564

Ion Ratio Lower Upper

83 100

85 0.0 44.0 81.6#

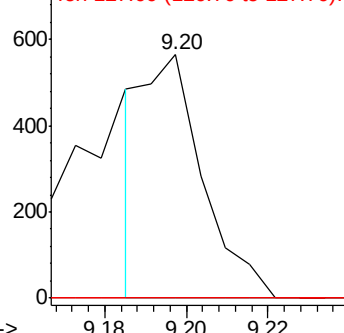
127 0.0 7.2 10.8#



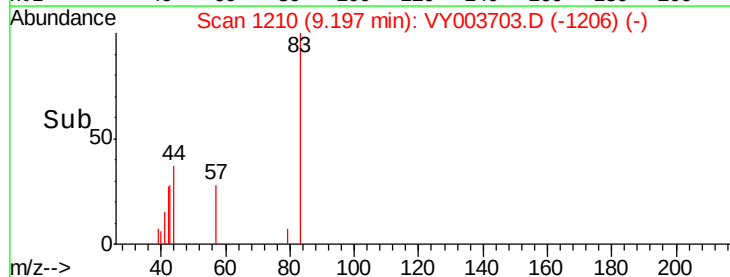
Abundance Ion 83.00 (82.70 to 83.70): VY0

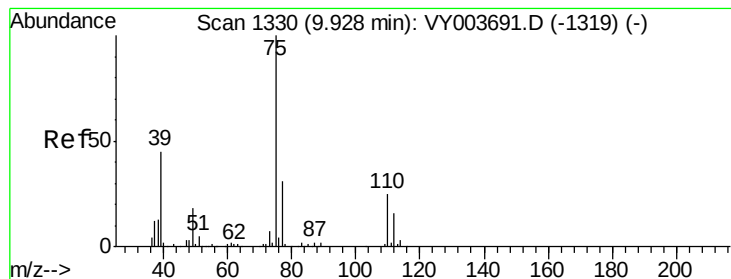
Ion 85.00 (84.70 to 85.70): VY0

Ion 127.00 (126.70 to 127.70): V



Time--> 9.18 9.20 9.22



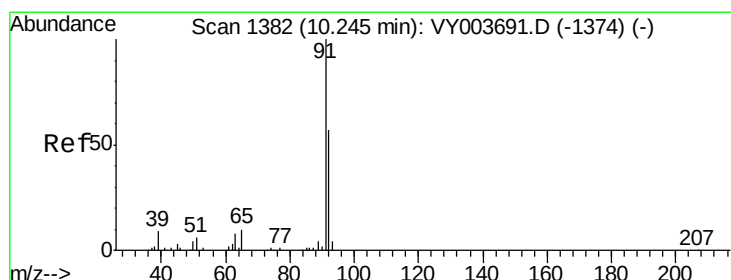
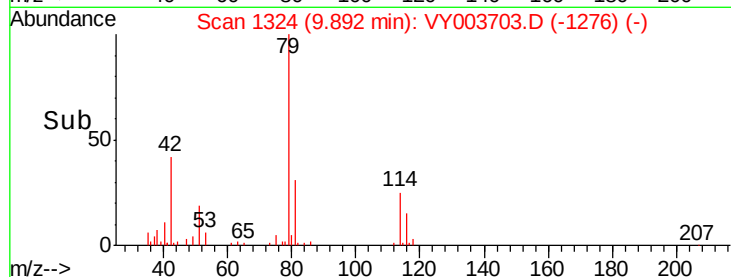
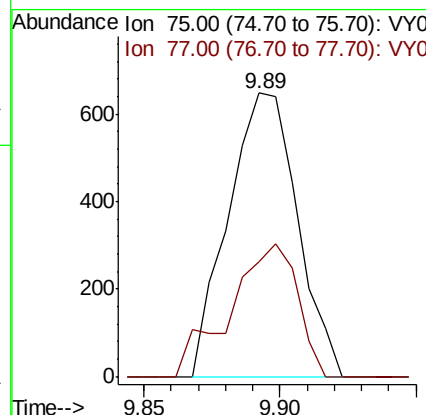
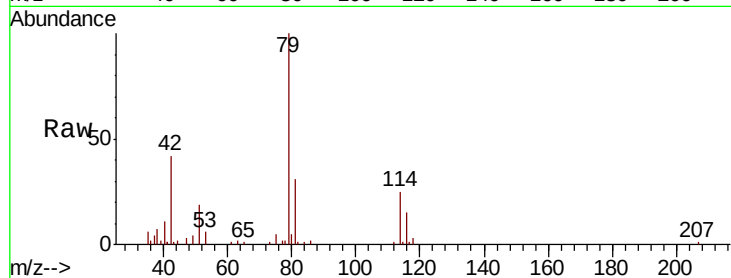


#42

cis-1,3-Dichloropropene
Concen: 0.694 ug/L
RT: 9.89 min Scan# 1324
Delta R.T. -0.04 min
Lab File: VY003703.D
Acq: 09 Dec 2020 16:11

Instrument :
MSVOA_Y
ClientSampleId :
GB1G2

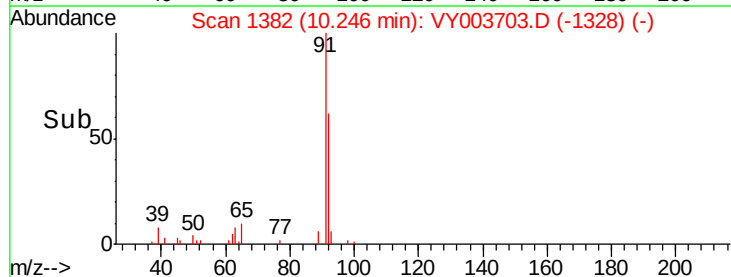
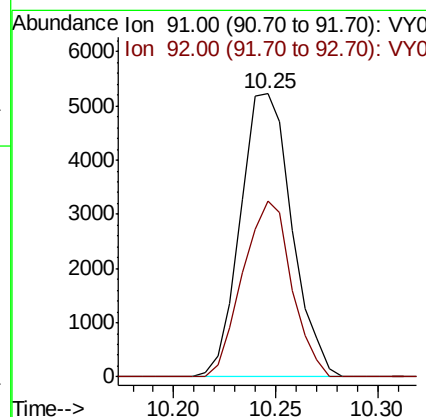
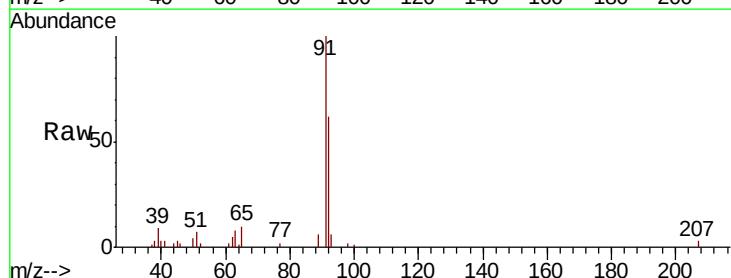
Tot Ion: 75 Resp: 1142
Ion Ratio Lower Upper
75 100
77 40.4 21.3 39.6#

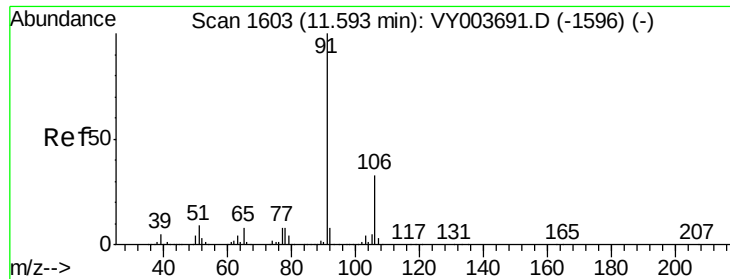


#44

Toluene
Concen: 2.081 ug/L
RT: 10.25 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VY003703.D
Acq: 09 Dec 2020 16:11

Tgt Ion: 91 Resp: 9155
Ion Ratio Lower Upper
91 100
92 62.0 39.8 73.8

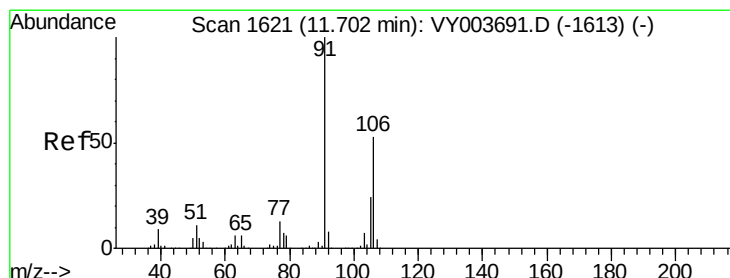
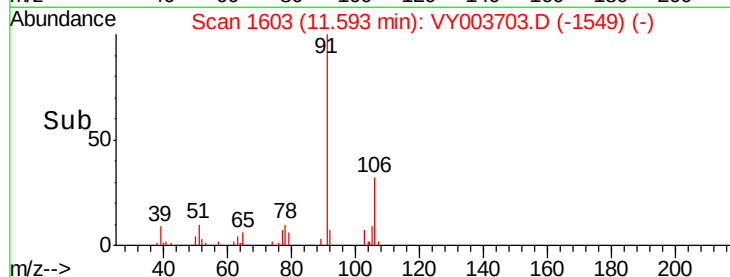
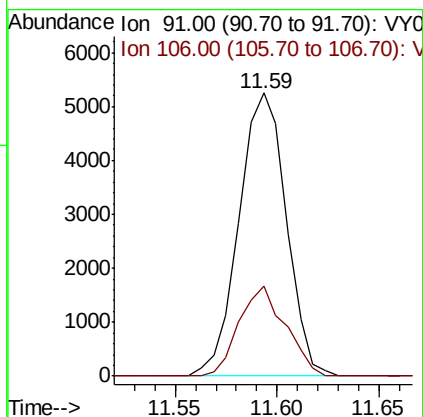
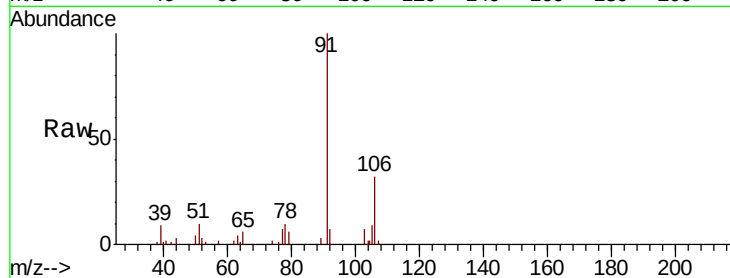




#53
Ethylbenzene
Concen: 1.764 ug/L
RT: 11.59 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VY003703.D
Acq: 09 Dec 2020 16:11

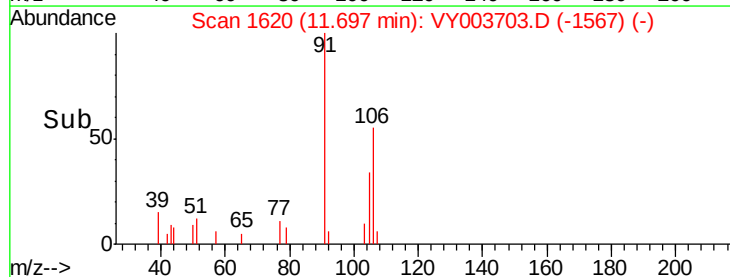
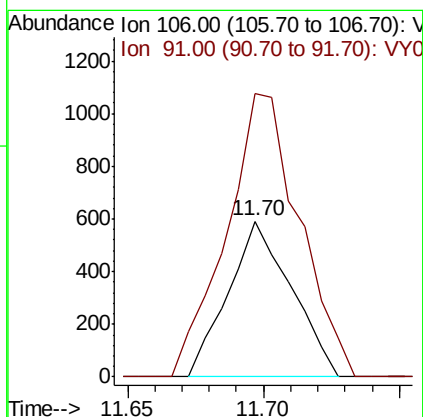
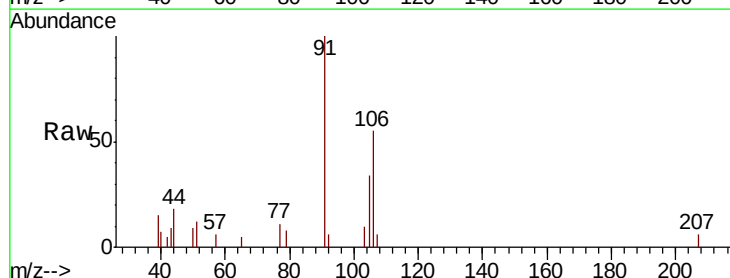
Instrument :
MSVOA_Y
ClientSampled :
GB1G2

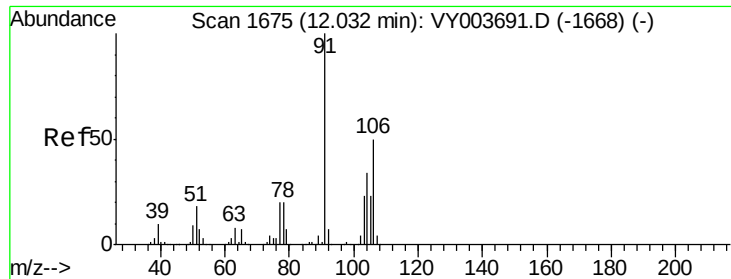
Tot Ion: 91 Resp: 8468
Ion Ratio Lower Upper
91 100
106 32.0 23.3 43.3



#54
m,p-Xylene
Concen: 0.512 ug/L
RT: 11.70 min Scan# 1620
Delta R.T. -0.01 min
Lab File: VY003703.D
Acq: 09 Dec 2020 16:11

Tgt Ion: 106 Resp: 949
Ion Ratio Lower Upper
106 100
91 181.9 131.3 243.9





#55

o-xylene

Concen: 0.269 ug/L

RT: 12.03 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VY003703.D

Acq: 09 Dec 2020 16:11

Instrument :

MSVOA_Y

ClientSampleId :

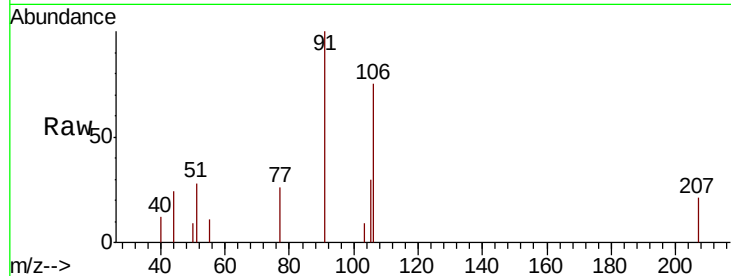
GB1G2

Tot Ion:106 Resp: 478

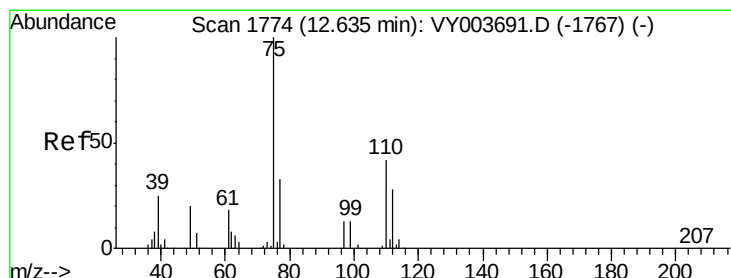
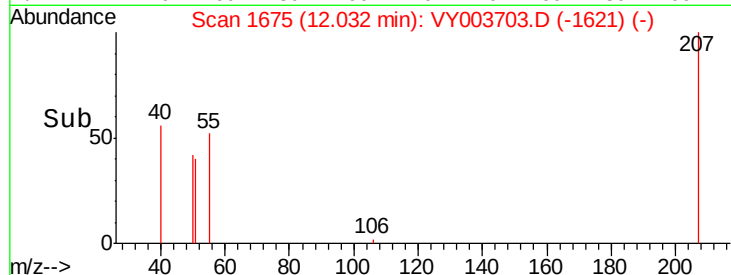
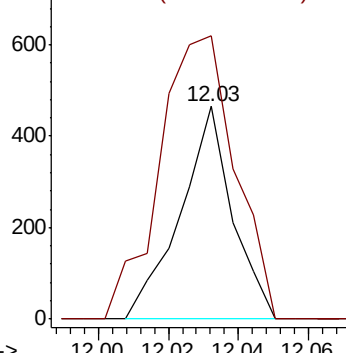
Ion Ratio Lower Upper

106 100

91 133.1 141.7 263.3#



Abundance Ion 106.00 (105.70 to 106.70): VY003691.D (-1668) (-)



#59

1,2,3-Trichloropropane

Concen: 3.414 ug/L

RT: 13.42 min Scan# 1903

Delta R.T. 0.79 min

Lab File: VY003703.D

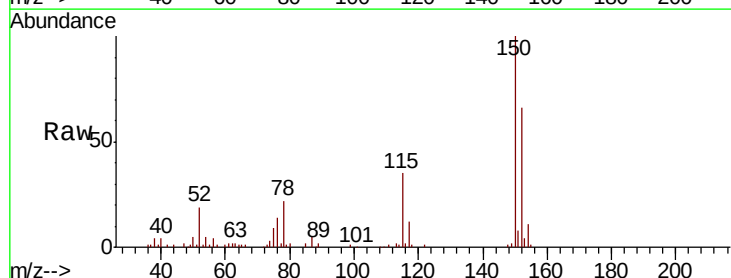
Acq: 09 Dec 2020 16:11

Tgt Ion: 75 Resp: 2951

Ion Ratio Lower Upper

75 100

77 28.5 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VY003691.D (-1767) (-)

