

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121020\
 Data File : VY003719.D
 Acq On : 10 Dec 2020 15:22
 Operator : SY/MD
 Sample : L4979-10RE
 Misc : 6.94G/10ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1G0RE

Quant Time: Dec 11 00:50:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 11 00:47:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	180170	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.50	117	119680	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	22036	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	55580	21.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.24%
7) Chloroethane-d5	2.77	69	48606	25.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.16%
10) 1,1-Dichloroethene-d2	3.86	63	88264	18.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.64%
20) 2-Butanone-d5	6.90	46	36236	39.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.78%
24) Chloroform-d	7.49	84	118884	25.64	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.56%
26) 1,2-Dichloroethane-d4	8.15	65	61920	23.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.92%
29) Benzene-d6	8.12	84	248262	35.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	143.32%#
33) 1,2-Dichloropropane-d6	9.12	67	70890	34.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	138.28%#
37) Toluene-d8	10.18	98	198263	31.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	127.68%
38) trans-1,3-Dichloropropene-	10.44	79	26261	26.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.20%
39) 2-Hexanone-d5	10.79	63	26118	50.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.68%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	32049	17.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	70.16%
61) 1,2-Dichlorobenzene-d4	13.72	152	18956	23.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.72%

Target Compounds

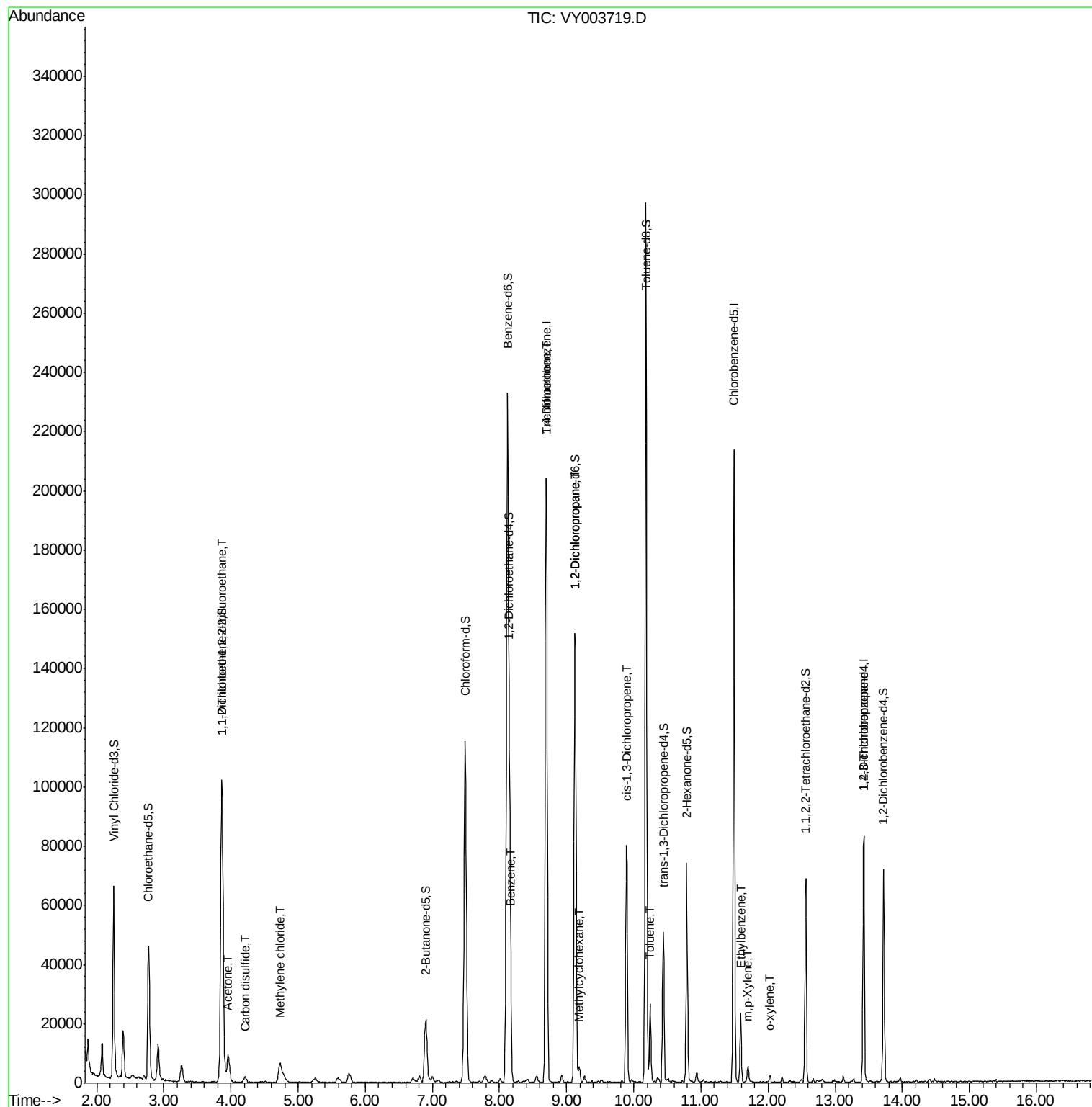
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	3.86	101	633	0.277	ug/L #	17
13) Acetone	3.95	43	14578	21.894	ug/L	94
14) Carbon disulfide	4.21	76	3639	0.506	ug/L #	92
16) Methylene chloride	4.73	84	2835	0.896	ug/L	97
34) Benzene	8.17	78	5224	0.763	ug/L	100
35) Trichloroethene	8.69	95	5222	2.778	ug/L #	2
36) Methylcyclohexane	9.18	83	1642	0.570	ug/L #	84
40) 1,2-Dichloropropane	9.13	63	8040	4.682	ug/L #	86
42) cis-1,3-Dichloropropene	9.90	75	2246	0.831	ug/L #	62
44) Toluene	10.25	91	17935	2.483	ug/L	96
53) Ethylbenzene	11.59	91	15298	1.941	ug/L	100
54) m,p-Xylene	11.70	106	1728	0.568	ug/L	78
55) o-xylene	12.03	106	642	0.220	ug/L	66
59) 1,2,3-Trichloropropane	13.43	75	2739	1.930	ug/L	99

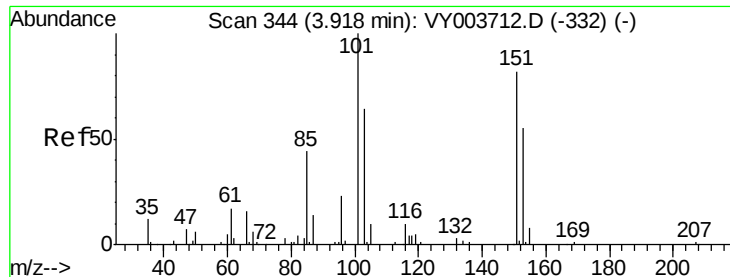
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Dec 11 00:47:58 2020
Response via : Initial Calibration





#11

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

Concen: 0.277 ug/L

RT: 3.86 min Scan# 335

Delta R.T. -0.05 min

Lab File: VY003719.D

Acq: 10 Dec 2020 15:22

Instrument :

MSVOA_Y

ClientSampleId :

GB1G0RE

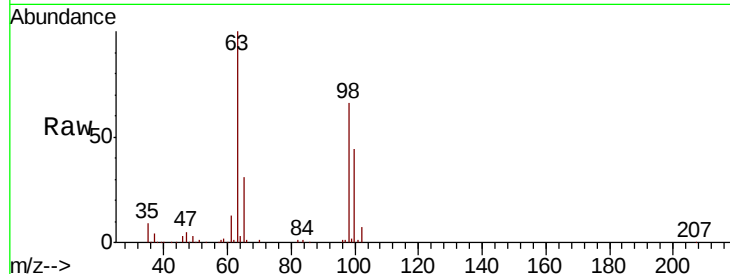
Tot Ion:101 Resp: 633

Ion Ratio Lower Upper

101 100

85 0.0 33.9 50.9#

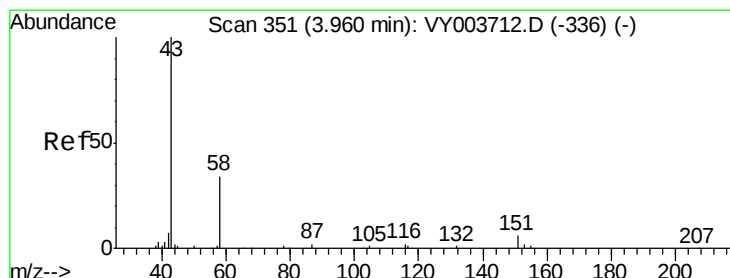
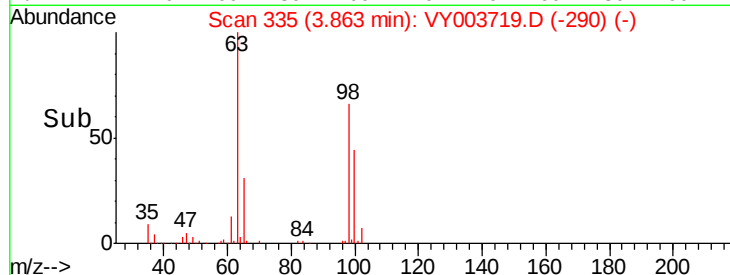
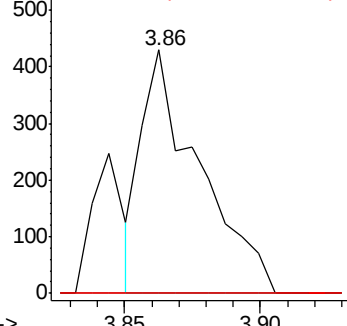
151 0.0 65.0 97.4#



Abundance Ion 101.00 (100.70 to 101.70): VY003712.D (-332) (-)

Ion 85.00 (84.70 to 85.70): VY003719.D (-290) (-)

Ion 151.00 (150.70 to 151.70): VY003712.D (-332) (-)



#13

Acetone

Concen: 21.894 ug/L

RT: 3.95 min Scan# 350

Delta R.T. -0.01 min

Lab File: VY003719.D

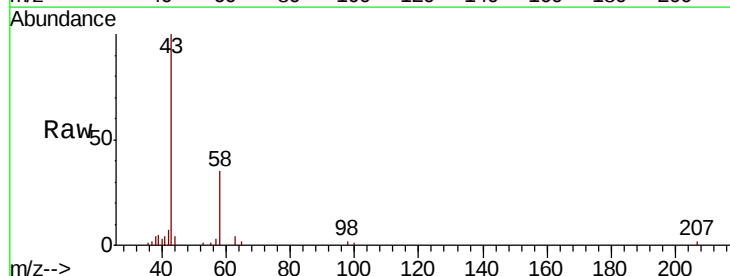
Acq: 10 Dec 2020 15:22

Tgt Ion: 43 Resp: 14578

Ion Ratio Lower Upper

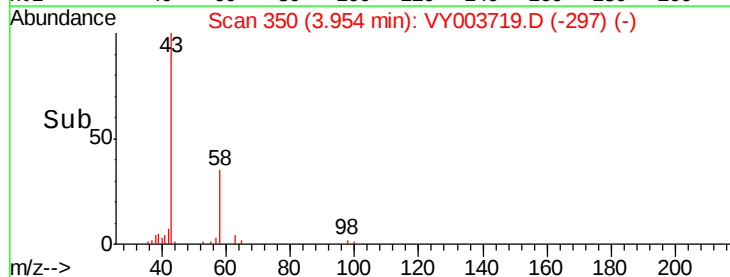
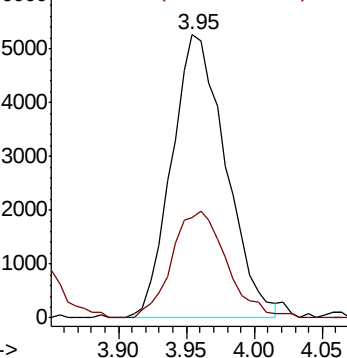
43 100

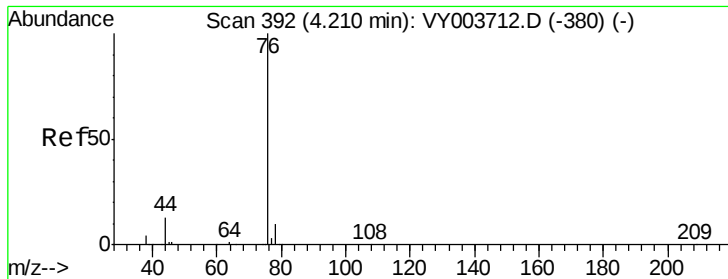
58 37.7 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VY003712.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VY003719.D (-297) (-)





#14

Carbon disulfide

Concen: 0.506 ug/L

RT: 4.21 min Scan# 392

Delta R.T. 0.00 min

Lab File: VY003719.D

Acq: 10 Dec 2020 15:22

Instrument :

MSVOA_Y

ClientSampleId :

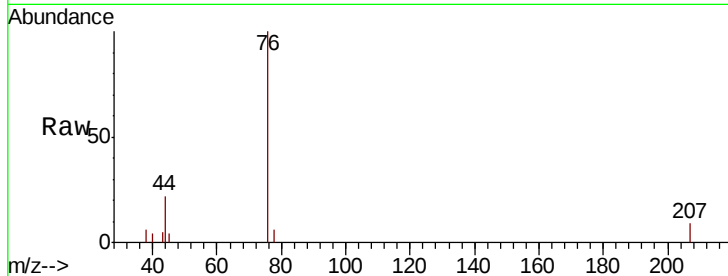
GB1G0RE

Tot Ion: 76 Resp: 3639

Ion Ratio Lower Upper

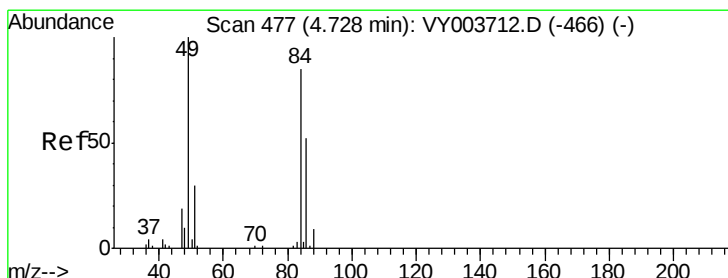
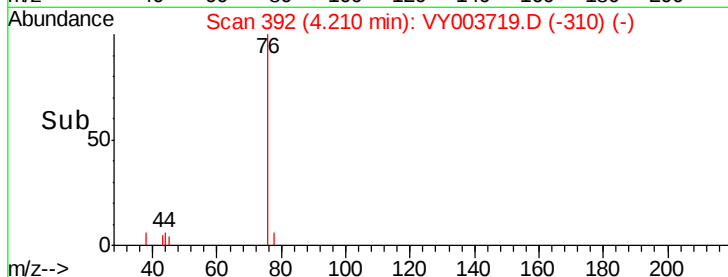
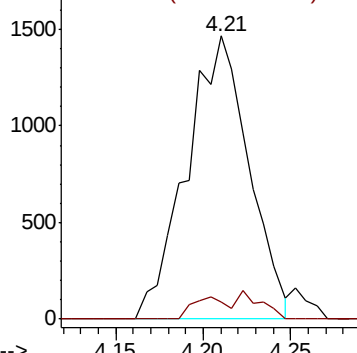
76 100

78 6.1 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: 0.896 ug/L

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VY003719.D

Acq: 10 Dec 2020 15:22

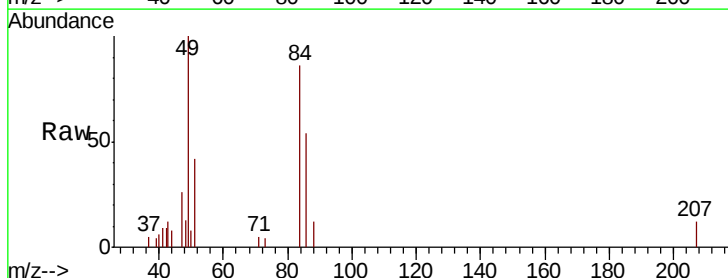
Tgt Ion: 84 Resp: 2835

Ion Ratio Lower Upper

84 100

49 116.1 83.7 155.4

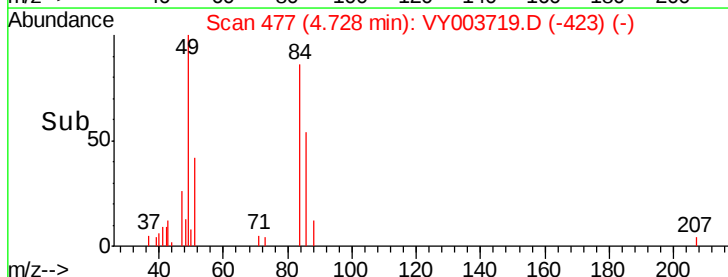
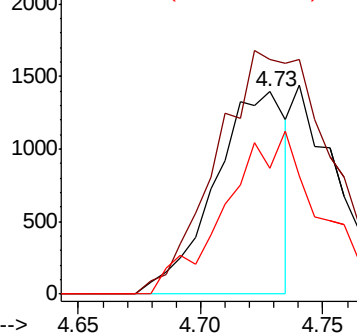
86 62.3 45.0 83.6

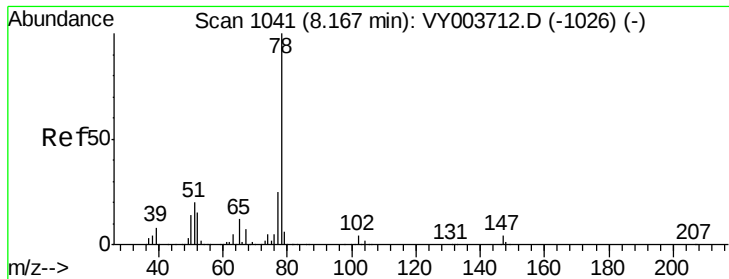


Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

Ion 86.00 (85.70 to 86.70): VY0





#34

Benzene

Concen: 0.763 ug/L

RT: 8.17 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VY003719.D

Acq: 10 Dec 2020 15:22

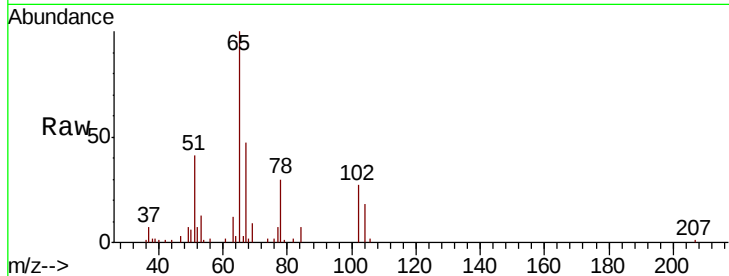
Instrument :

MSVOA_Y

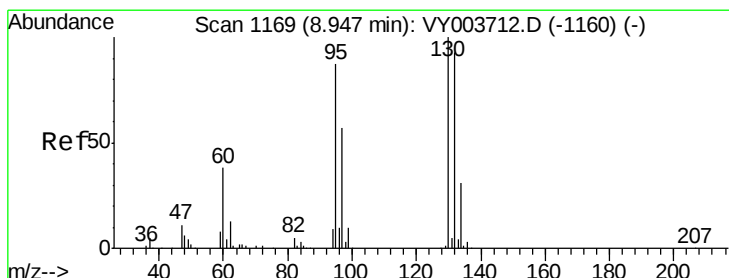
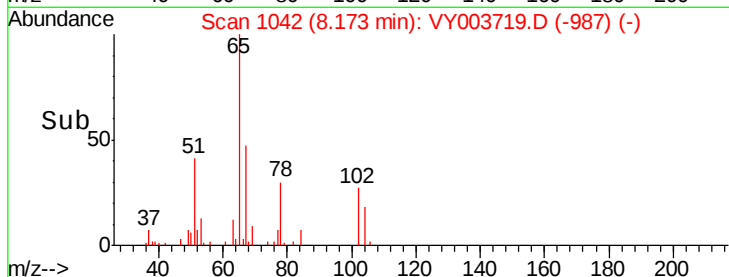
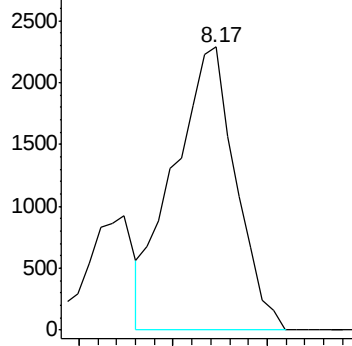
ClientSampleId :

GB1G0RE

Tgt Ion: 78 Resp: 5224



Abundance Ion 78.00 (77.70 to 78.70): VY0



#35

Trichloroethene

Concen: 2.778 ug/L

RT: 8.69 min Scan# 1127

Delta R.T. -0.26 min

Lab File: VY003719.D

Acq: 10 Dec 2020 15:22

Tgt Ion: 95 Resp: 5222

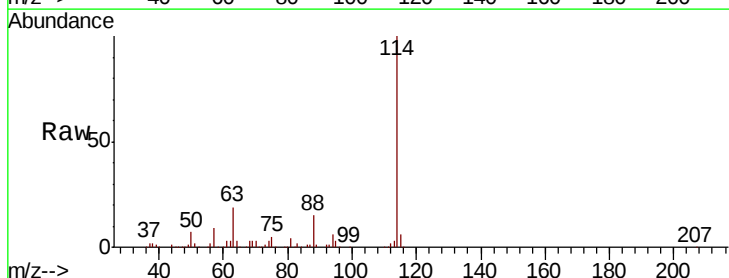
Ion Ratio Lower Upper

95 100

97 0.0 45.8 85.0#

132 0.0 74.2 137.8#

130 0.0 76.2 141.6#

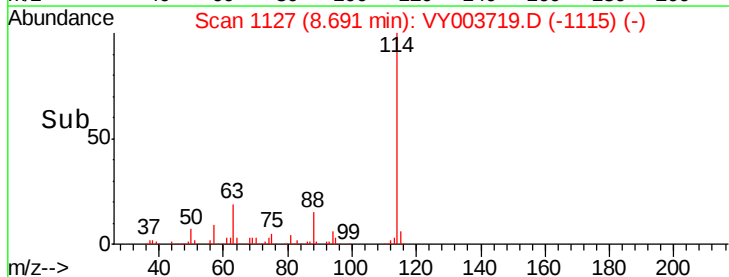
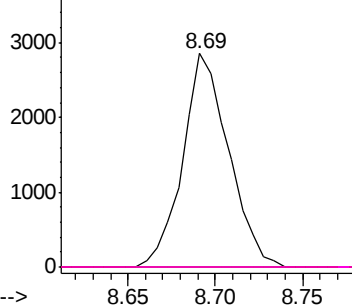


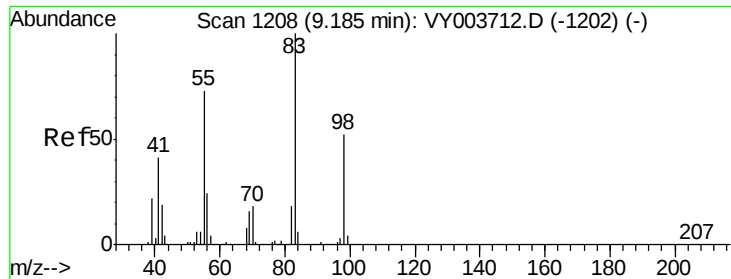
Abundance Ion 95.00 (94.70 to 95.70): VY0

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

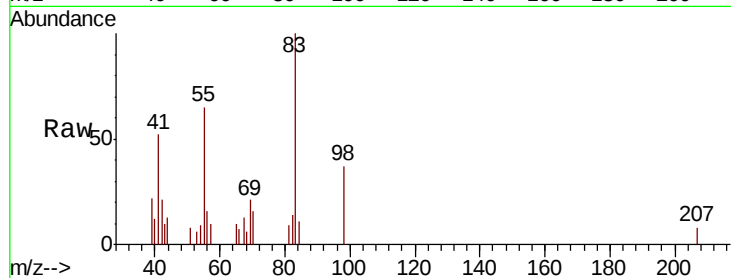




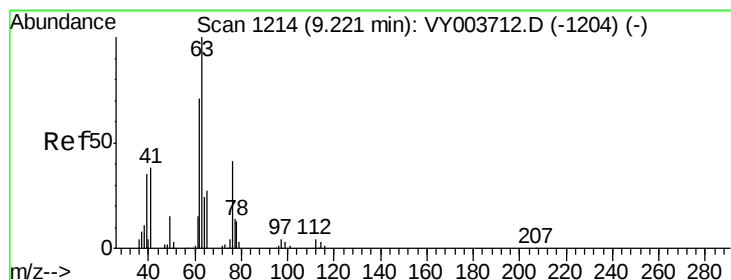
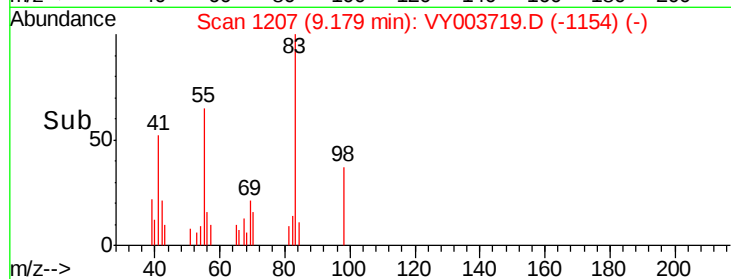
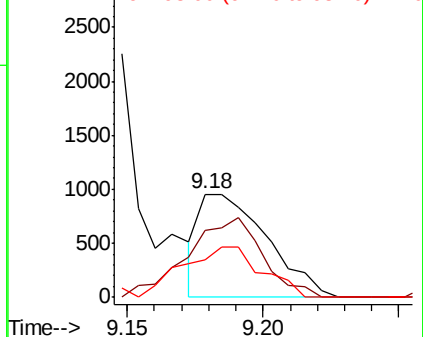
#36
Methylcyclohexane
Concen: 0.570 ug/L
RT: 9.18 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VY003719.D
Acq: 10 Dec 2020 15:22

Instrument :
MSVOA_Y
ClientSampleId :
GB1G0RE

Tot Ion: 83 Resp: 1642
Ion Ratio Lower Upper
83 100
55 86.3 56.4 84.6#
98 57.9 40.3 60.5

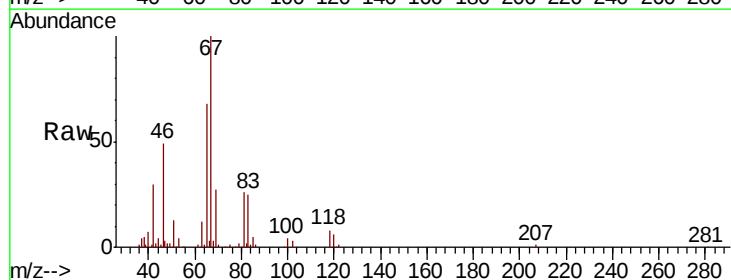


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

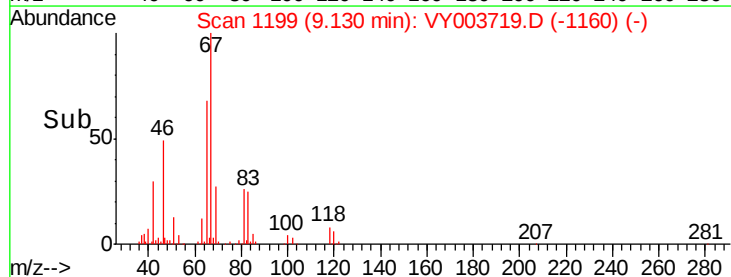
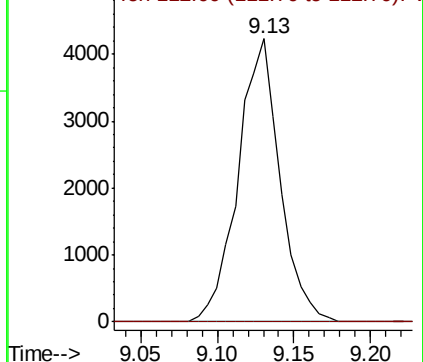


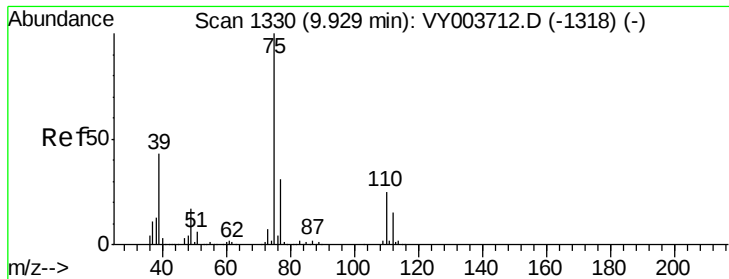
#40
1,2-Dichloropropane
Concen: 4.682 ug/L
RT: 9.13 min Scan# 1199
Delta R.T. -0.09 min
Lab File: VY003719.D
Acq: 10 Dec 2020 15:22

Tgt Ion: 63 Resp: 8040
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



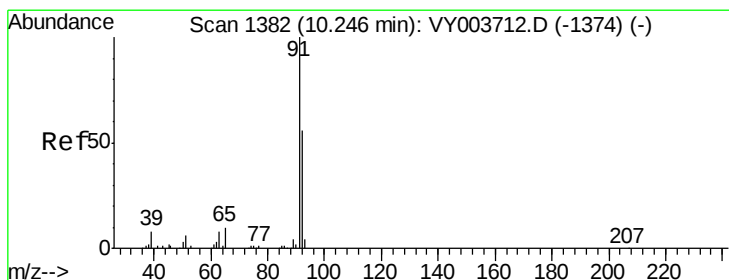
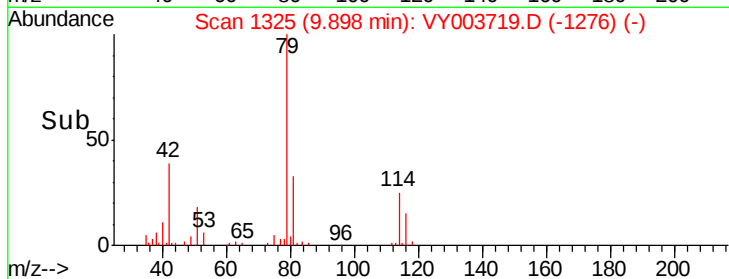
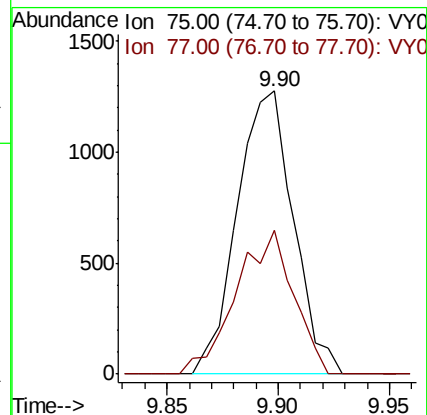
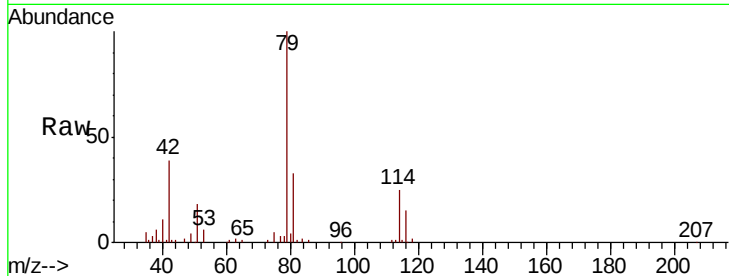


#42

cis-1,3-Dichloropropene
Concen: 0.831 ug/L
RT: 9.90 min Scan# 1325
Delta R.T. -0.03 min
Lab File: VY003719.D
Acq: 10 Dec 2020 15:22

Instrument :
MSVOA_Y
ClientSampleId :
GB1G0RE

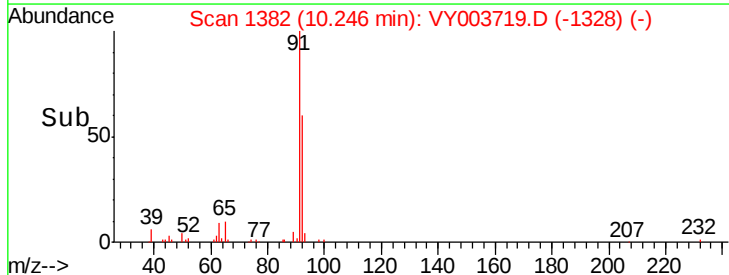
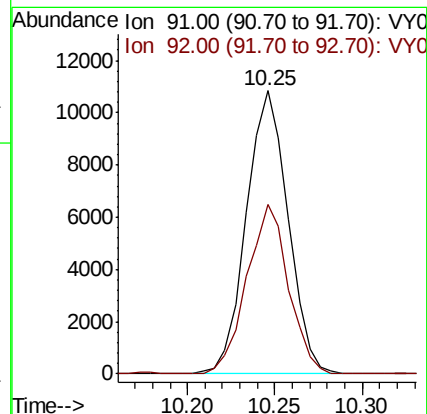
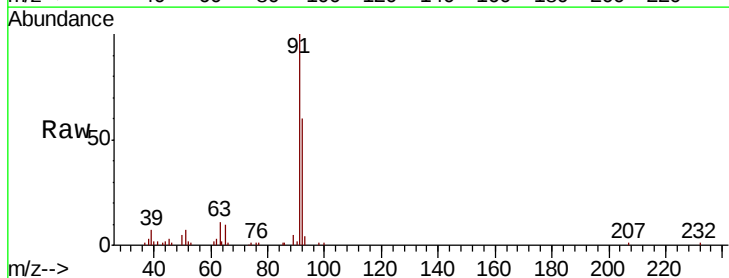
Tot Ion: 75 Resp: 2246
Ion Ratio Lower Upper
75 100
77 51.0 21.3 39.6#

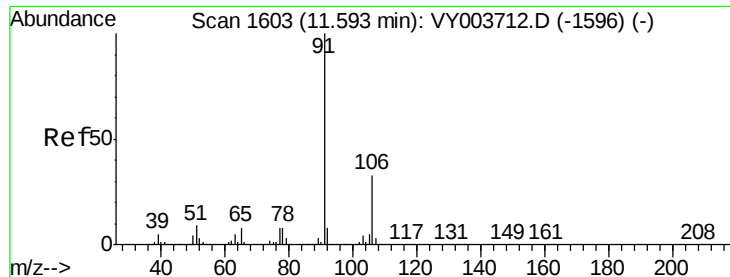


#44

Toluene
Concen: 2.483 ug/L
RT: 10.25 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VY003719.D
Acq: 10 Dec 2020 15:22

Tgt Ion: 91 Resp: 17935
Ion Ratio Lower Upper
91 100
92 59.7 39.8 73.8





#53

Ethylbenzene

Concen: 1.941 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VY003719.D

Acq: 10 Dec 2020 15:22

Instrument :

MSVOA_Y

ClientSampleId :

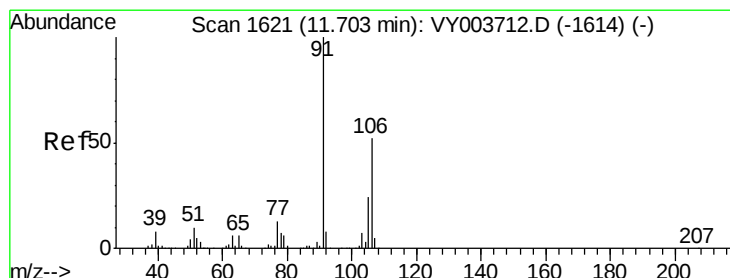
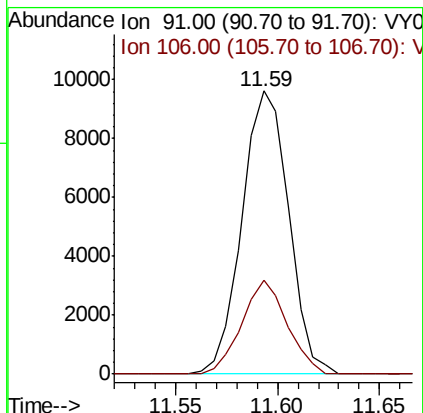
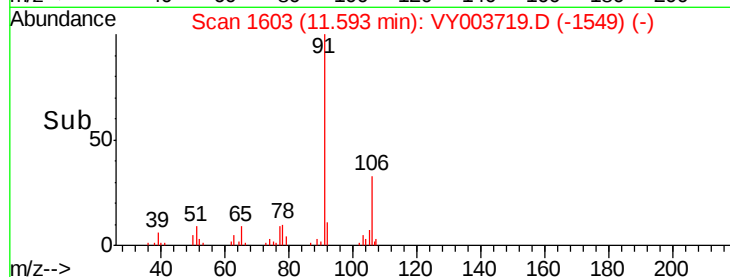
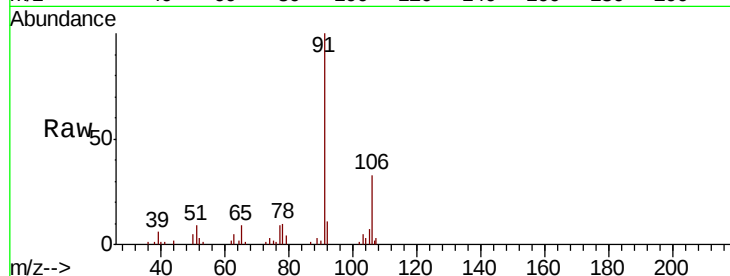
GB1G0RE

Tot Ion: 91 Resp: 15298

Ion Ratio Lower Upper

91 100

106 33.3 23.3 43.3



#54

m,p-Xylene

Concen: 0.568 ug/L

RT: 11.70 min Scan# 1620

Delta R.T. -0.01 min

Lab File: VY003719.D

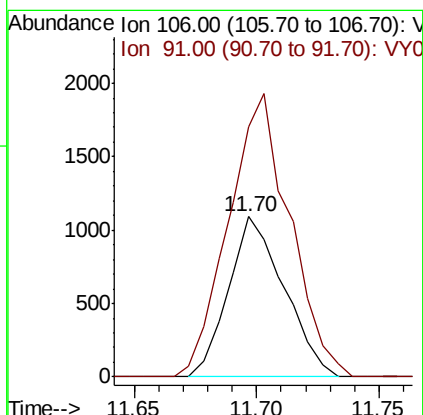
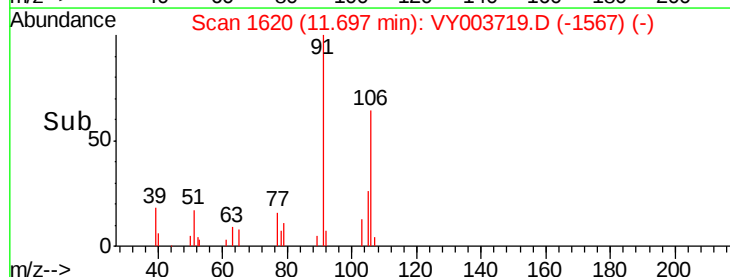
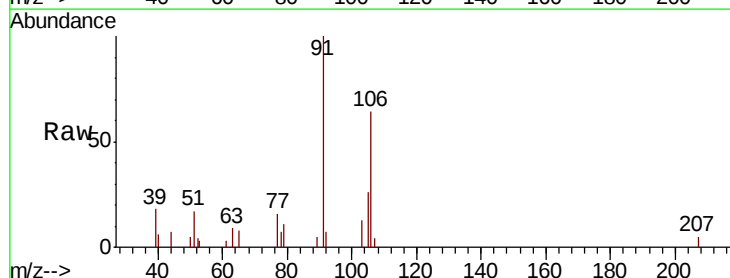
Acq: 10 Dec 2020 15:22

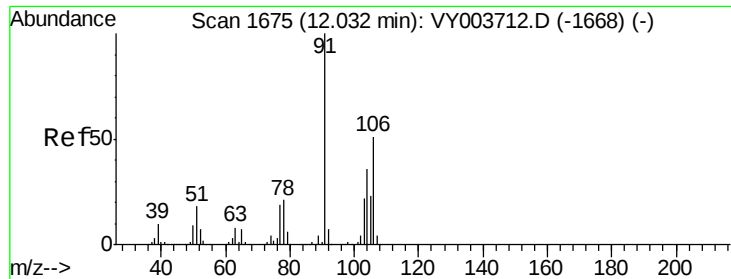
Tgt Ion: 106 Resp: 1728

Ion Ratio Lower Upper

106 100

91 155.9 131.3 243.9

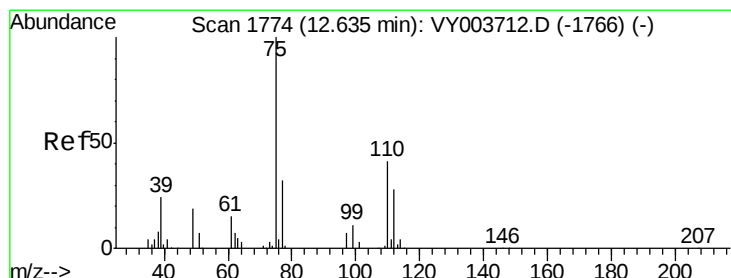
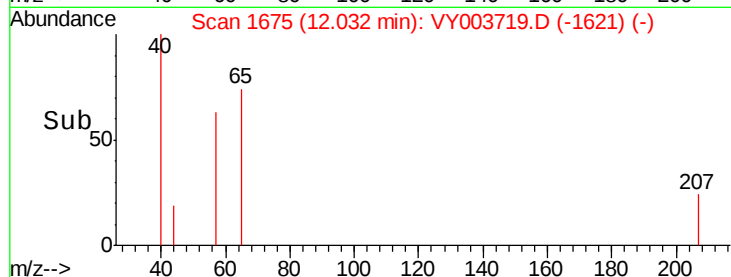
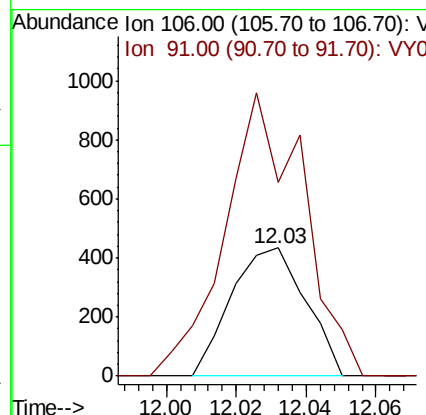
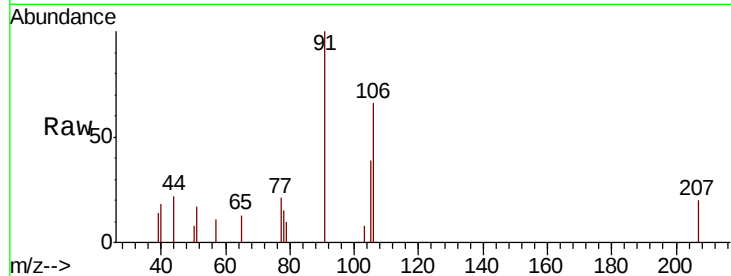




#55
o-xylene
Concen: 0.220 ug/L
RT: 12.03 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VY003719.D
Acq: 10 Dec 2020 15:22

Instrument :
MSVOA_Y
ClientSampleId :
GB1G0RE

Tot Ion:106 Resp: 642
Ion Ratio Lower Upper
106 100
91 151.2 141.7 263.3



#59
1,2,3-Trichloropropane
Concen: 1.930 ug/L
RT: 13.43 min Scan# 1904
Delta R.T. 0.79 min
Lab File: VY003719.D
Acq: 10 Dec 2020 15:22

Tgt Ion: 75 Resp: 2739
Ion Ratio Lower Upper
75 100
77 32.1 25.9 38.9

