

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120920\NOT REVIEWED DATA\
 Data File : VY003706.D
 Acq On : 09 Dec 2020 17:19
 Operator : SY/MD
 Sample : L4979-09
 Misc : 0.54G/10ML/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1F9

Quant Time: Dec 10 12:05:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 10 11:26:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	207494	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	193307	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	87704	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	48757	16.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.48%
7) Chloroethane-d5	2.77	69	41460	18.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.92%
10) 1,1-Dichloroethene-d2	3.86	63	79240	14.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	57.40%
20) 2-Butanone-d5	6.90	46	26637	25.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	50.92%
24) Chloroform-d	7.49	84	109696	20.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.16%
26) 1,2-Dichloroethane-d4	8.15	65	56723	18.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	75.52%
29) Benzene-d6	8.12	84	231905	20.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.88%
33) 1,2-Dichloropropane-d6	9.12	67	69520	20.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.96%
37) Toluene-d8	10.18	98	214124	21.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.36%
38) trans-1,3-Dichloropropene-	10.44	79	29412	18.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.32%
39) 2-Hexanone-d5	10.79	63	22705	27.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	54.74%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	49727	16.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	67.40%
61) 1,2-Dichlorobenzene-d4	13.72	152	71864	22.55	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.20%

Target Compounds

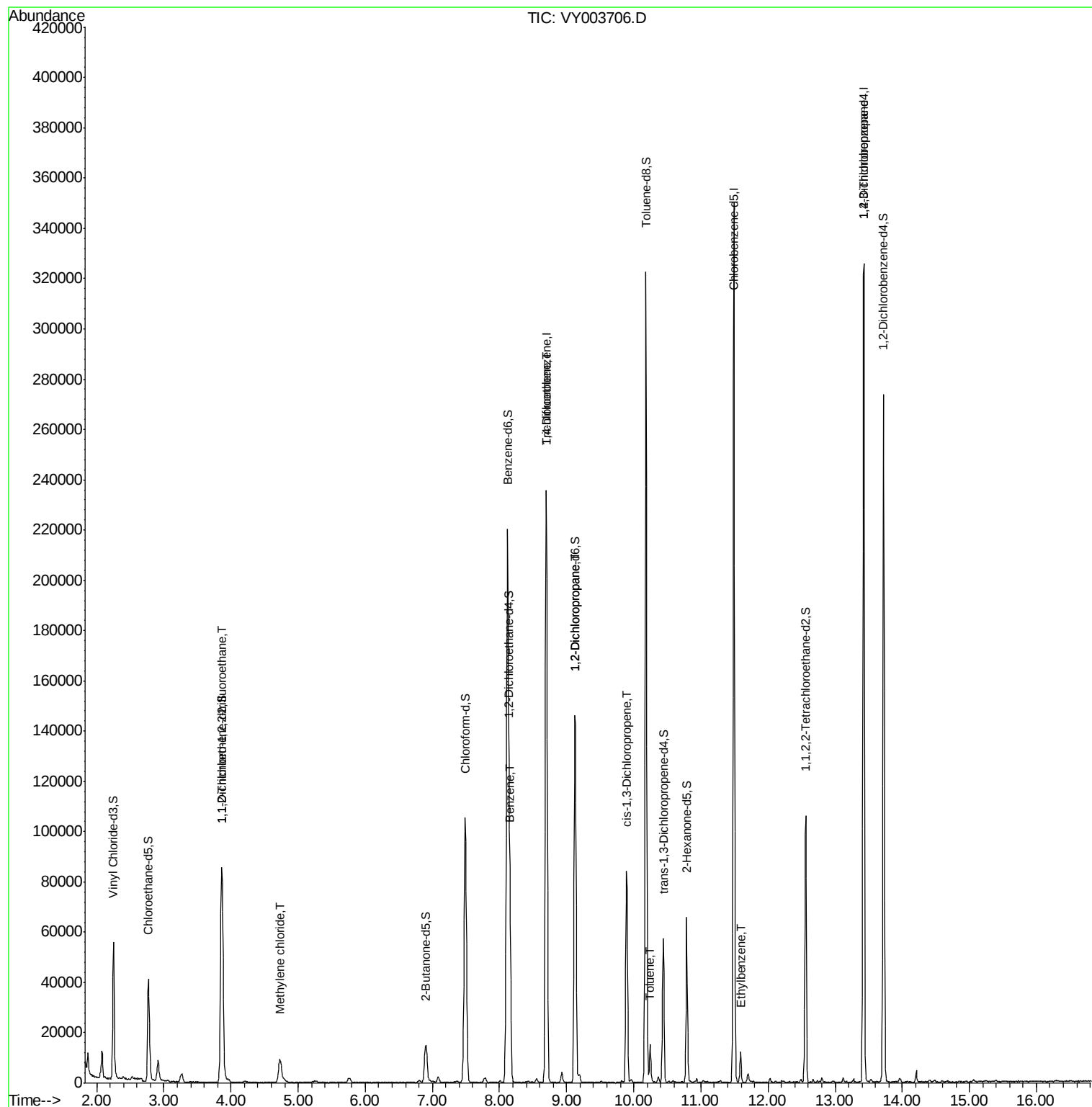
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) 1,1,2-Trichloro-1,2,2-trif	3.86	101	899	0.341	ug/L #	17
16) Methylene chloride	4.73	84	7009	1.924	ug/L	87
34) Benzene	8.16	78	2479	0.224	ug/L	100
35) Trichloroethene	8.70	95	5982	1.970	ug/L #	2
40) 1,2-Dichloropropane	9.12	63	7561	2.726	ug/L #	86
42) cis-1,3-Dichloropropene	9.89	75	2412	0.553	ug/L #	72
44) Toluene	10.25	91	10239	0.878	ug/L	81
53) Ethylbenzene	11.59	91	7848	0.616	ug/L	89
59) 1,2,3-Trichloropropane	13.42	75	10800	4.712	ug/L	97

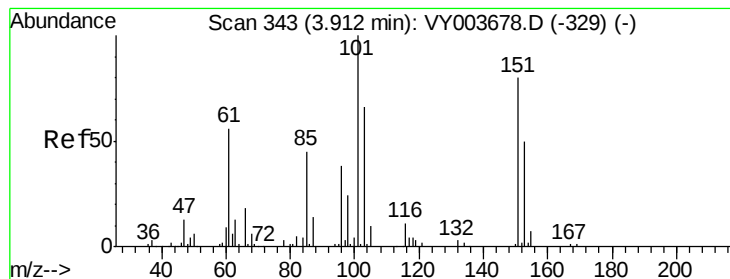
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 10 11:26:10 2020
Response via : Initial Calibration





#11

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

Concen: 0.341 ug/L

RT: 3.86 min Scan# 334

Delta R.T. -0.05 min

Lab File: VY003706.D

Acq: 09 Dec 2020 17:19

Instrument :

MSVOA_Y

ClientSampled :

GB1F9

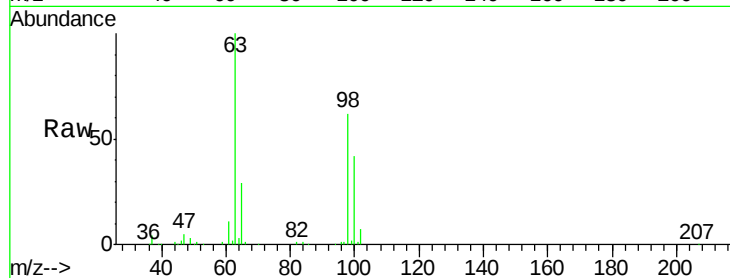
Tgt Ion: 101 Resp: 899

Ion Ratio Lower Upper

101 100

85 0.0 33.9 50.9#

151 0.0 65.0 97.4#

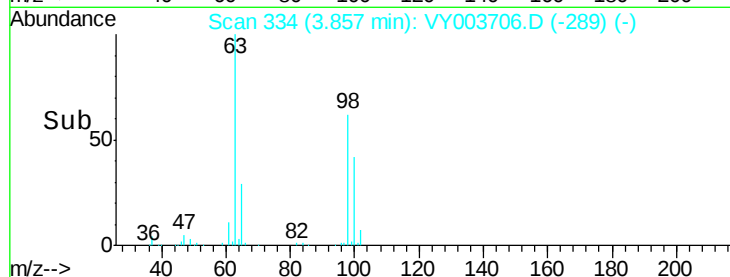


Abundance Ion 101.00 (100.70 to 101.70): VY003678.D (-329) (-)

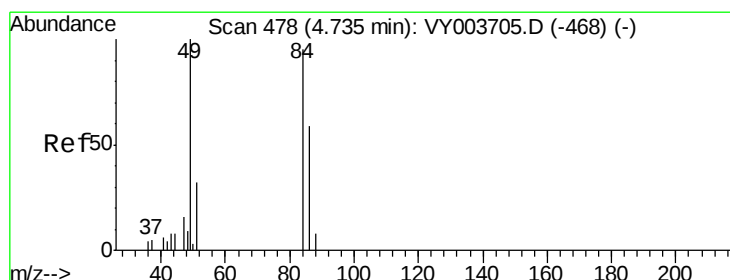
Ion 85.00 (84.70 to 85.70): VY003678.D (-329) (-)

Ion 151.00 (150.70 to 151.70): VY003678.D (-329) (-)

Time-->



Time-->



#16

Methylene chloride

Concen: 1.924 ug/L

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VY003706.D

Acq: 09 Dec 2020 17:19

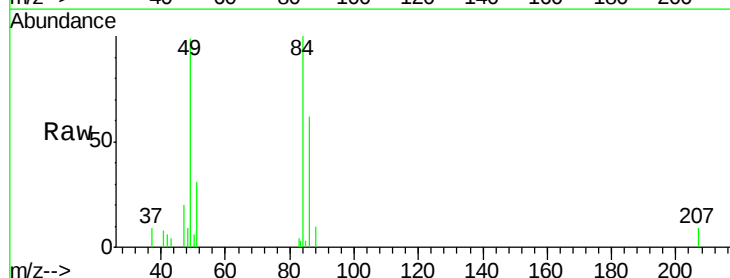
Tgt Ion: 84 Resp: 7009

Ion Ratio Lower Upper

84 100

49 98.7 83.7 155.4

86 61.8 45.0 83.6

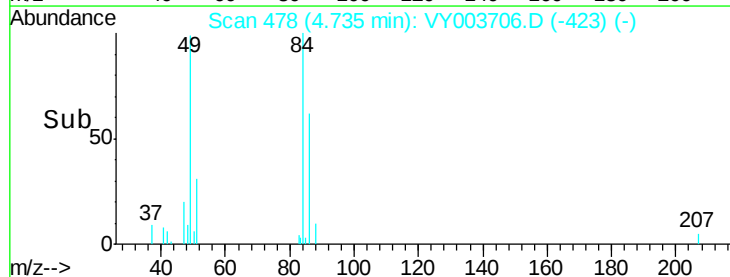


Abundance Ion 84.00 (83.70 to 84.70): VY003705.D (-468) (-)

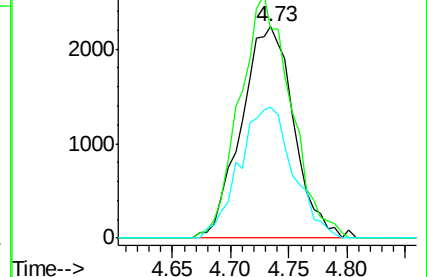
Ion 49.00 (48.70 to 49.70): VY003705.D (-468) (-)

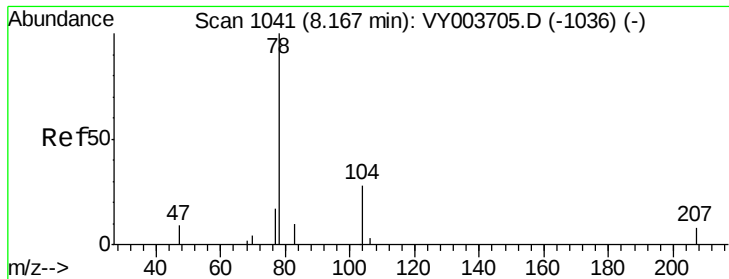
Ion 86.00 (85.70 to 86.70): VY003705.D (-468) (-)

Time-->



Time-->





#34

Benzene

Concen: 0.224 ug/L

RT: 8.16 min Scan# 1040

Delta R.T. -0.01 min

Lab File: VY003706.D

Acq: 09 Dec 2020 17:19

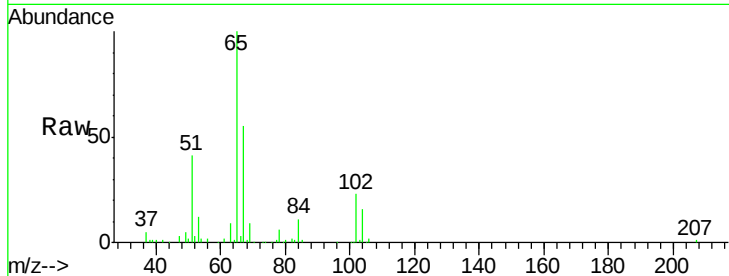
Instrument :

MSVOA_Y

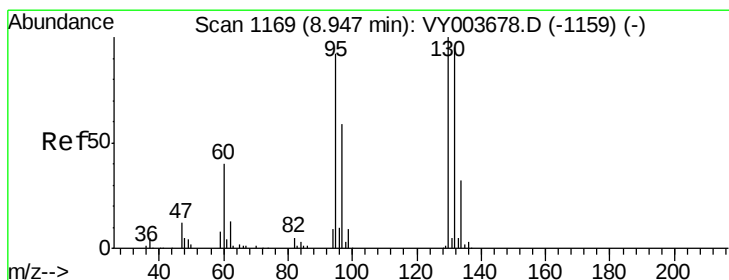
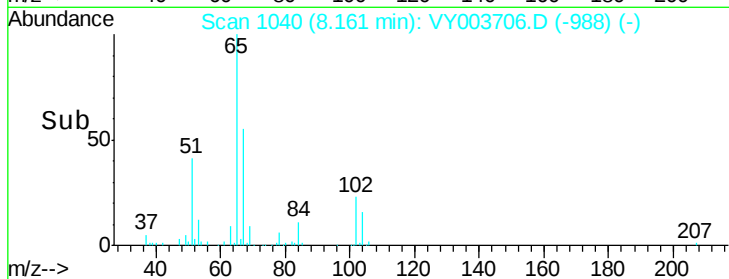
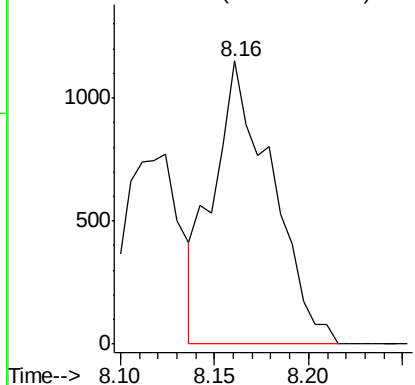
ClientSampleId :

GB1F9

Tgt Ion: 78 Resp: 2479



Abundance Ion 78.00 (77.70 to 78.70): VY0



#35

Trichloroethene

Concen: 1.970 ug/L

RT: 8.70 min Scan# 1128

Delta R.T. -0.25 min

Lab File: VY003706.D

Acq: 09 Dec 2020 17:19

Tgt Ion: 95 Resp: 5982

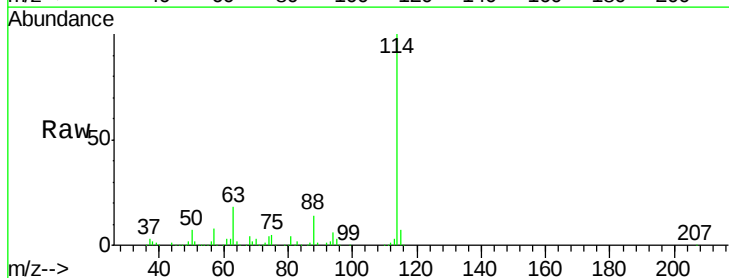
Ion Ratio Lower Upper

95 100

97 0.0 45.8 85.0#

132 0.0 74.2 137.8#

130 0.0 76.2 141.6#

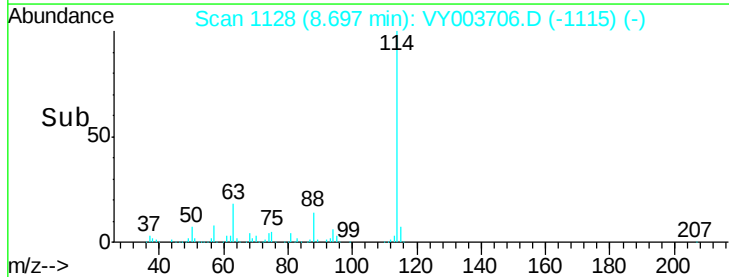
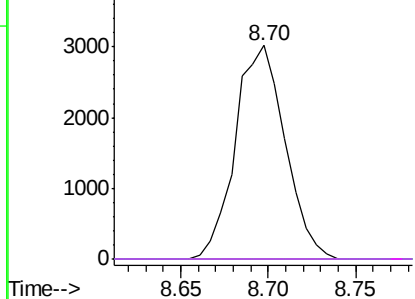


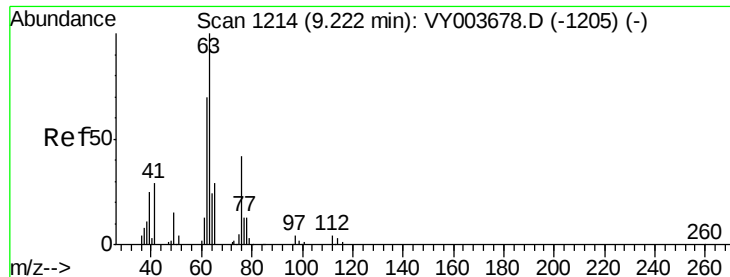
Abundance Ion 95.00 (94.70 to 95.70): VY0

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





#40

1,2-Dichloropropane

Concen: 2.726 ug/L

RT: 9.12 min Scan# 1198

Delta R.T. -0.10 min

Lab File: VY003706.D

Acq: 09 Dec 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

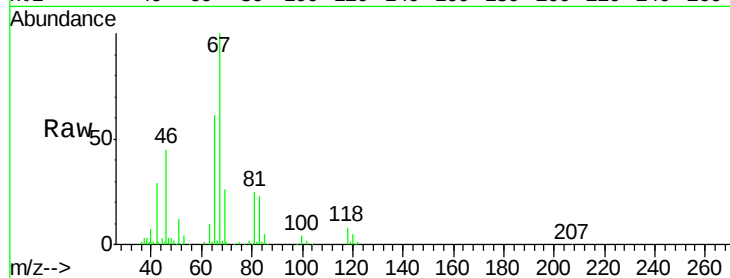
GB1F9

Tgt Ion: 63 Resp: 7561

Ion Ratio Lower Upper

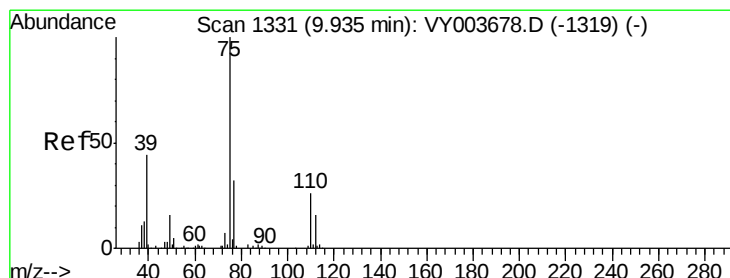
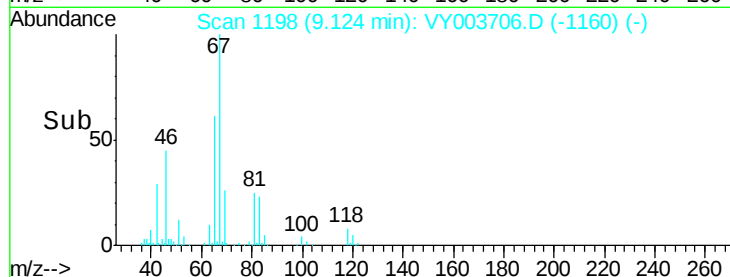
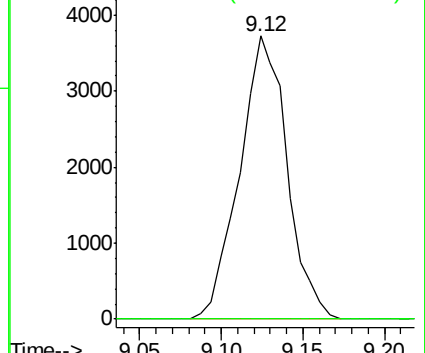
63 100

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: 0.553 ug/L

RT: 9.89 min Scan# 1324

Delta R.T. -0.04 min

Lab File: VY003706.D

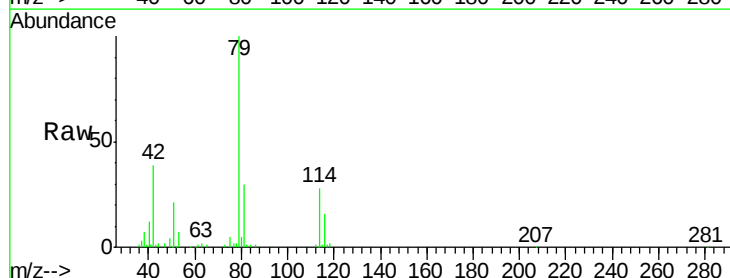
Acq: 09 Dec 2020 17:19

Tgt Ion: 75 Resp: 2412

Ion Ratio Lower Upper

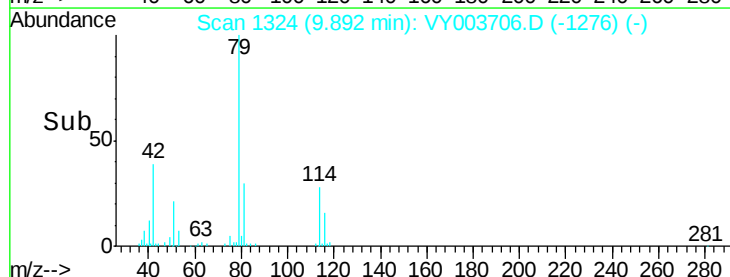
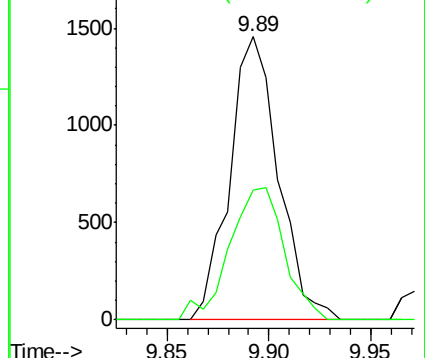
75 100

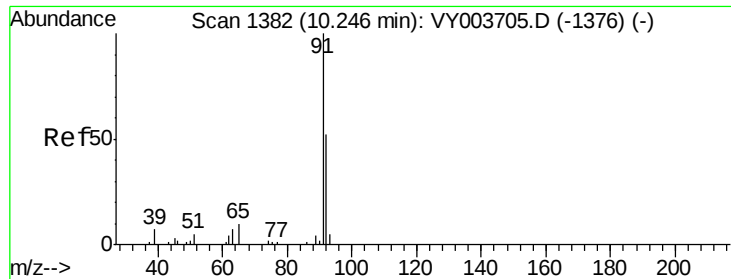
77 45.9 21.3 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0





#44

Toluene

Concen: 0.878 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003706.D

Acq: 09 Dec 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

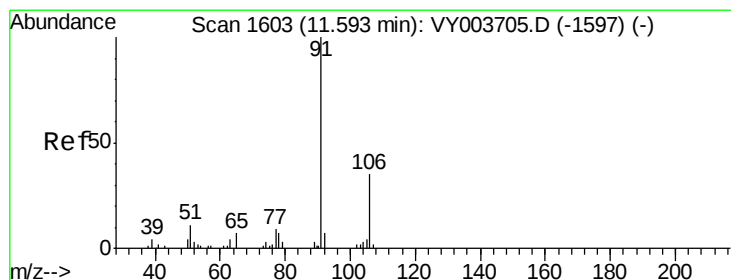
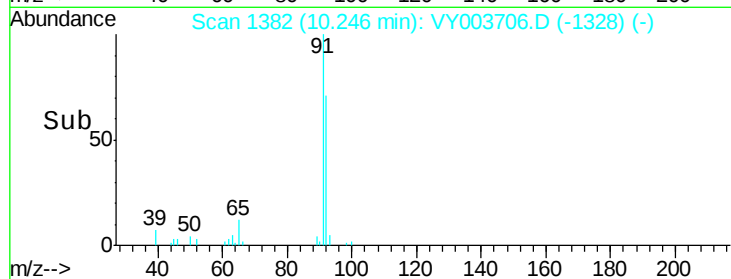
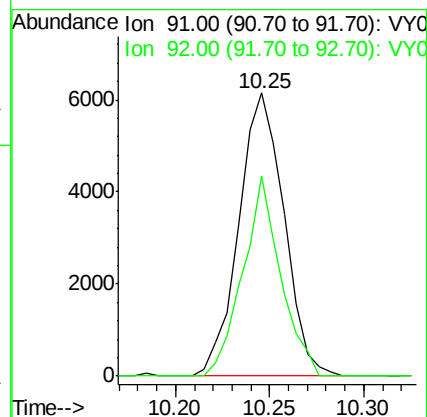
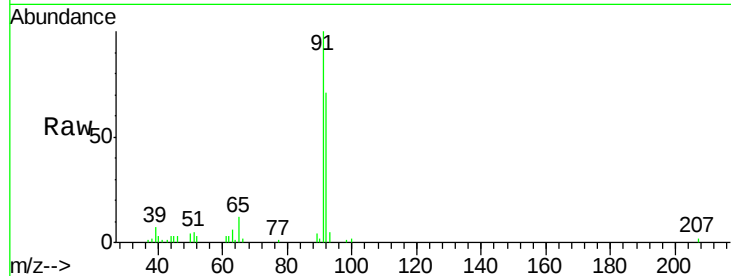
GB1F9

Tgt Ion: 91 Resp: 10239

Ion Ratio Lower Upper

91 100

92 70.7 39.8 73.8



#53

Ethylbenzene

Concen: 0.616 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003706.D

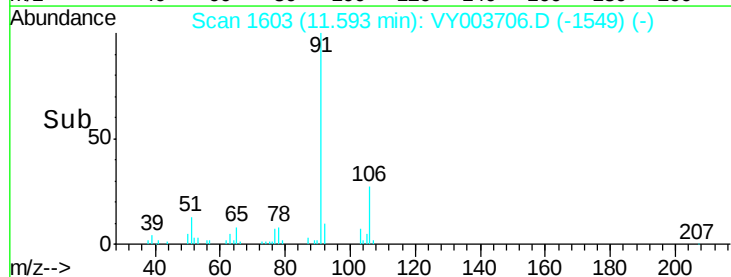
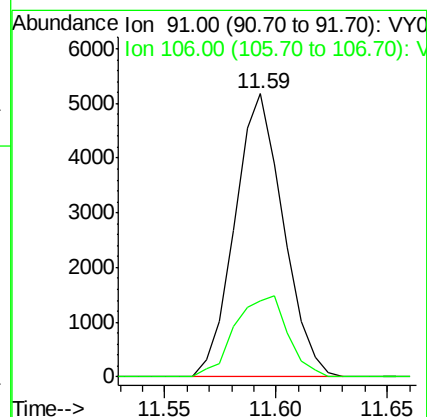
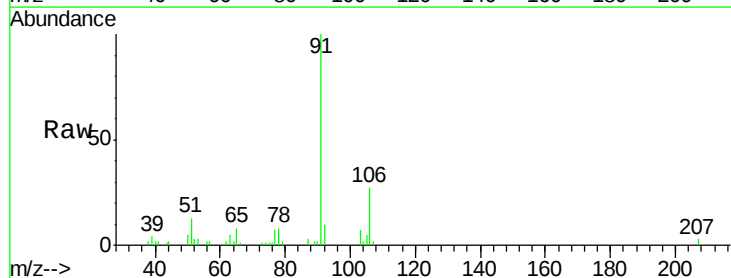
Acq: 09 Dec 2020 17:19

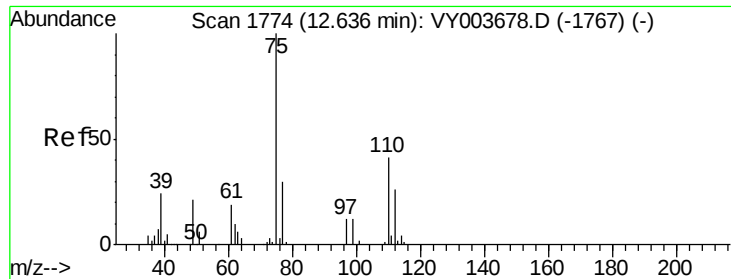
Tgt Ion: 91 Resp: 7848

Ion Ratio Lower Upper

91 100

106 26.8 23.3 43.3





#59

1,2,3-Trichloropropane

Concen: 4.712 ug/L

RT: 13.42 min Scan# 1903

Delta R.T. 0.79 min

Lab File: VY003706.D

Acq: 09 Dec 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

GB1F9

Tgt Ion: 75 Resp: 10800

Ion Ratio Lower Upper

75 100

77 30.8 25.9 38.9

