

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120920\
 Data File : VY003704.D
 Acq On : 09 Dec 2020 16:34
 Operator : SY/MD
 Sample : L4979-04
 Misc : 2.43G/10ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1F6RE

Quant Time: Dec 10 02:30:31 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	216919	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	183664	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	60584	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	58201	18.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.88%
7) Chloroethane-d5	2.77	69	50432	21.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.16%
10) 1,1-Dichloroethene-d2	3.86	63	89137	15.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.76%
20) 2-Butanone-d5	6.90	46	30675	28.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	56.10%
24) Chloroform-d	7.49	84	123283	22.09	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.36%
26) 1,2-Dichloroethane-d4	8.15	65	60921	19.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	77.60%
29) Benzene-d6	8.12	84	262385	24.68	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.72%
33) 1,2-Dichloropropane-d6	9.12	67	75803	24.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.36%
37) Toluene-d8	10.18	98	227879	23.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.64%
38) trans-1,3-Dichloropropene-	10.44	79	30492	20.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.12%
39) 2-Hexanone-d5	10.79	63	23912	30.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	60.66%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	44781	15.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	63.88%
61) 1,2-Dichlorobenzene-d4	13.72	152	49527	22.50	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.00%

Target Compounds

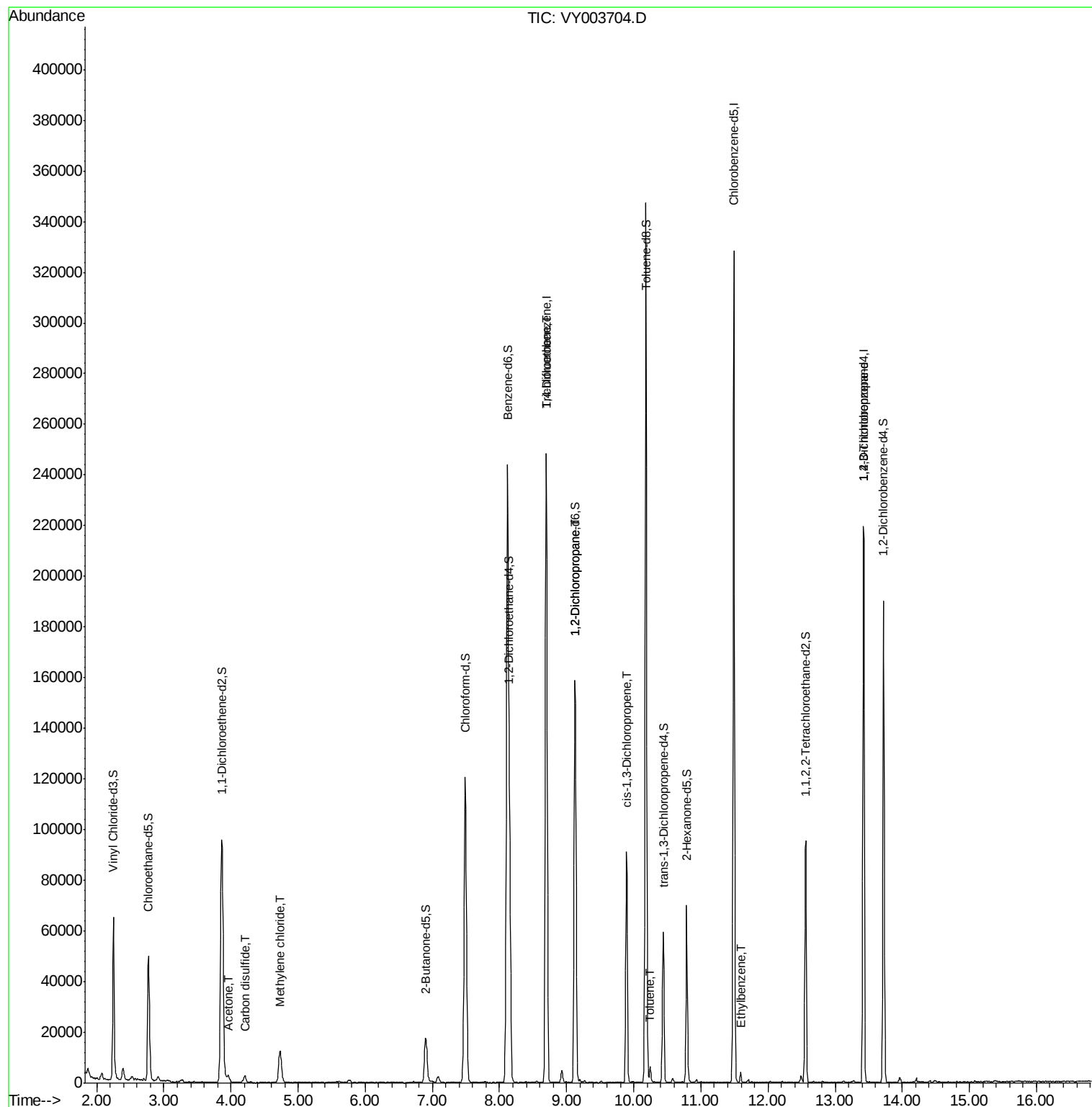
					Ovalue
13) Acetone	3.95	43	4018	5.012 ug/L	98
14) Carbon disulfide	4.21	76	5200	0.601 ug/L #	94
16) Methylene chloride	4.73	84	9691	2.544 ug/L	85
35) Trichloroethene	8.70	95	6064	2.102 ug/L #	2
40) 1,2-Dichloropropane	9.12	63	8261	3.135 ug/L #	86
42) cis-1,3-Dichloropropene	9.89	75	2565	0.618 ug/L	93
44) Toluene	10.25	91	4540	0.410 ug/L	89
53) Ethylbenzene	11.59	91	2656	0.220 ug/L	91
59) 1,2,3-Trichloropropane	13.42	75	7528	3.457 ug/L	95

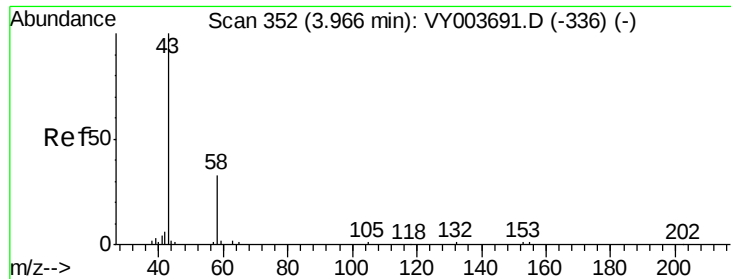
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#13

Acetone

Concen: 5.012 ug/L

RT: 3.95 min Scan# 350

Delta R.T. -0.01 min

Lab File: VY003704.D

Acq: 09 Dec 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

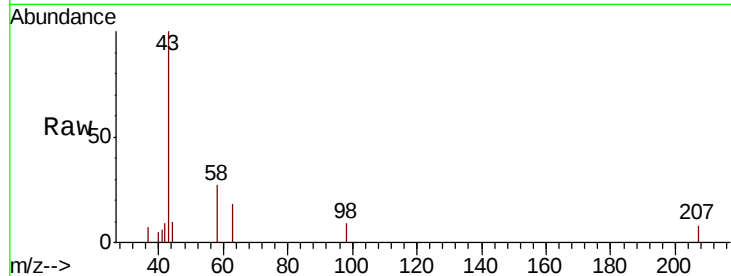
GB1F6RE

Tot Ion: 43 Resp: 4018

Ion Ratio Lower Upper

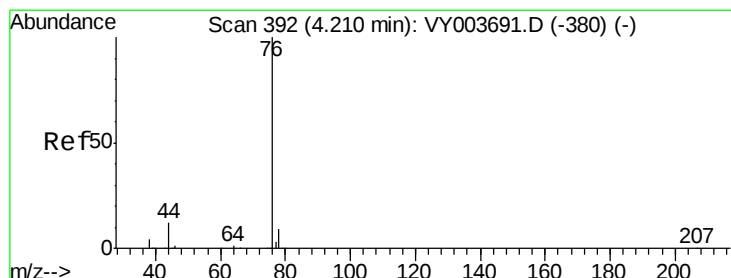
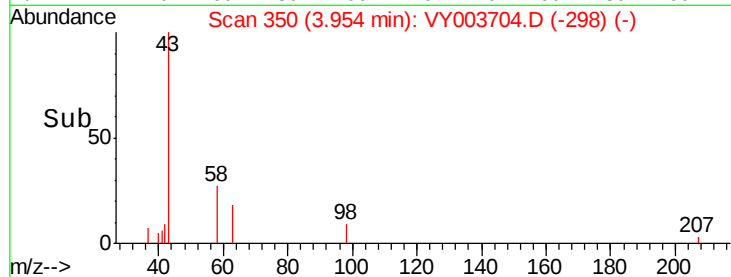
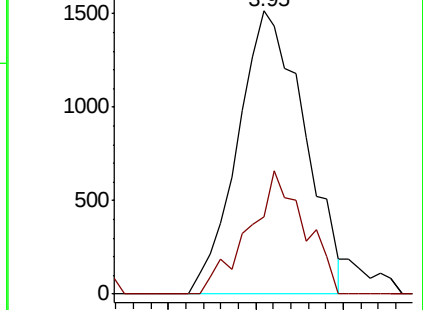
43 100

58 33.0 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VY003691.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VY003691.D (-336) (-)



#14

Carbon disulfide

Concen: 0.601 ug/L

RT: 4.21 min Scan# 392

Delta R.T. 0.00 min

Lab File: VY003704.D

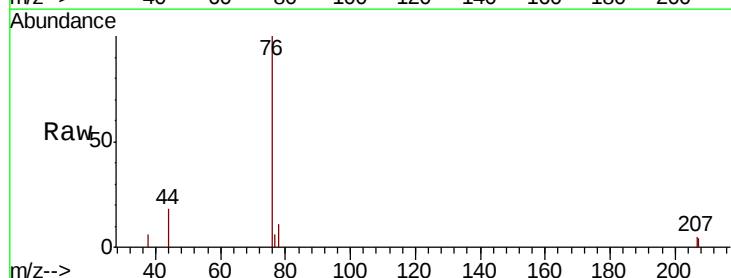
Acq: 09 Dec 2020 16:34

Tgt Ion: 76 Resp: 5200

Ion Ratio Lower Upper

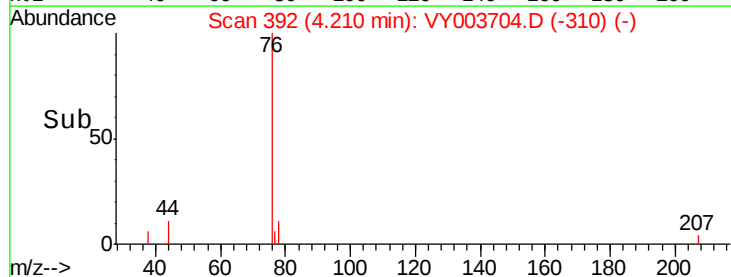
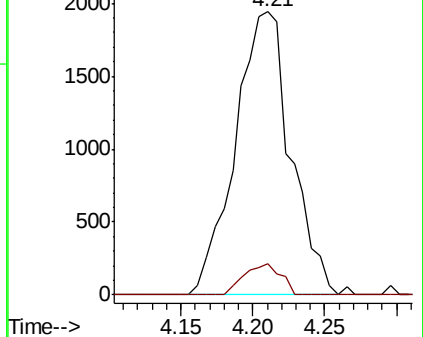
76 100

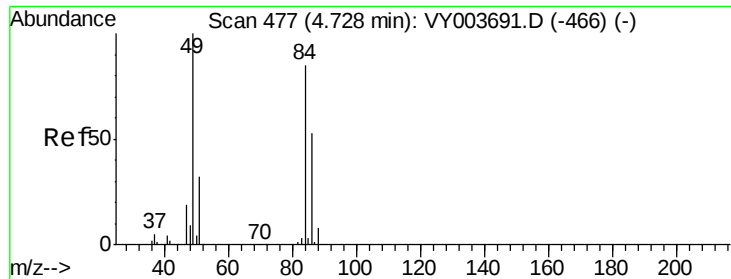
78 11.1 7.0 10.6#



Abundance Ion 76.00 (75.70 to 76.70): VY003691.D (-380) (-)

Ion 78.00 (77.70 to 78.70): VY003691.D (-380) (-)

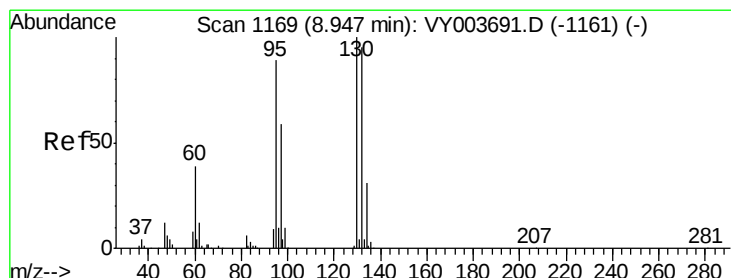
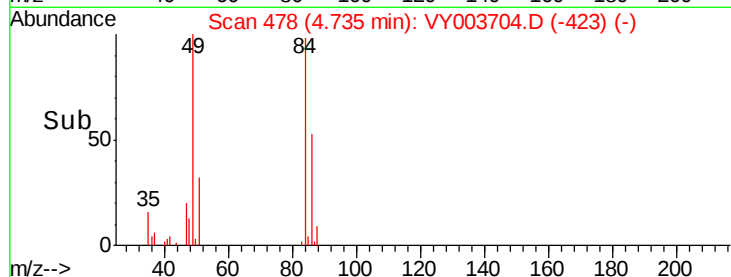
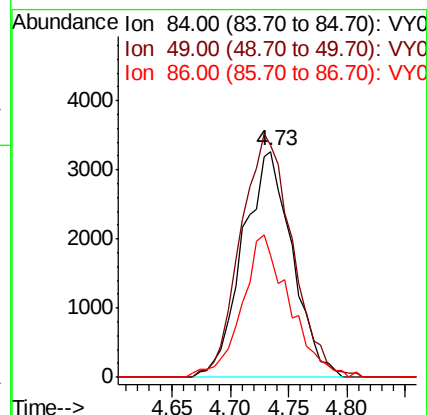
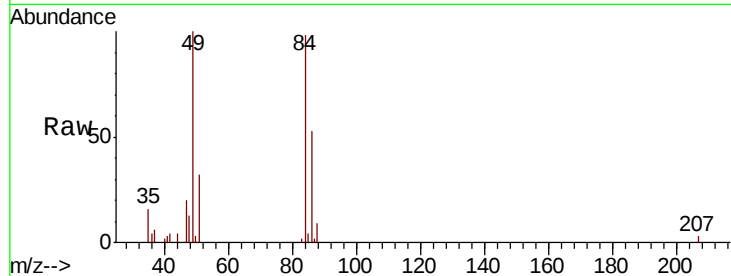




#16
Methvlene chloride
Concen: 2.544 ug/L
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VY003704.D
Acq: 09 Dec 2020 16:34

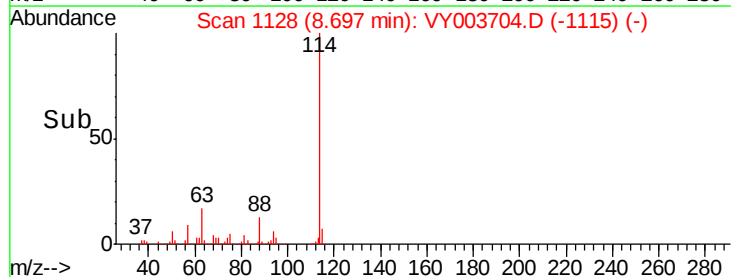
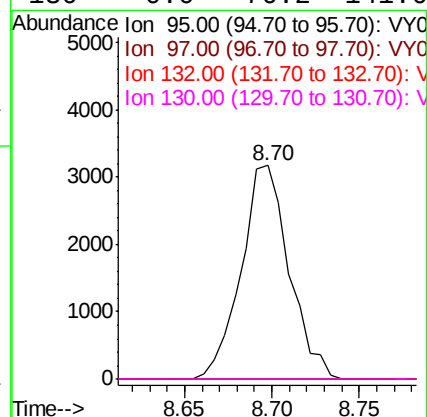
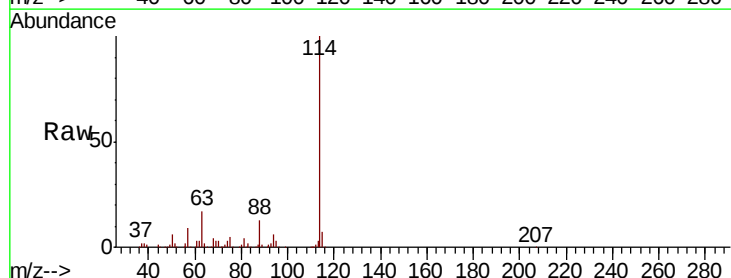
Instrument :
MSVOA_Y
ClientSampleId :
GB1F6RE

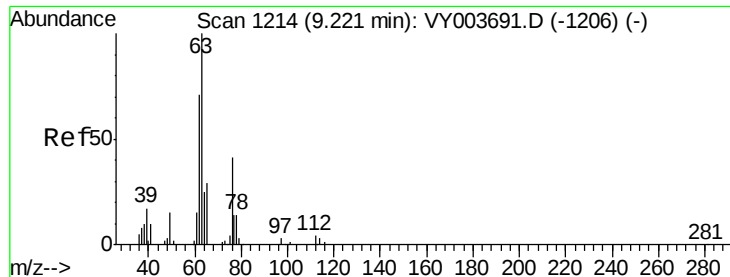
Tot Ion: 84 Resp: 9691
Ion Ratio Lower Upper
84 100
49 102.5 83.7 155.4
86 54.0 45.0 83.6



#35
Trichloroethene
Concen: 2.102 ug/L
RT: 8.70 min Scan# 1128
Delta R.T. -0.25 min
Lab File: VY003704.D
Acq: 09 Dec 2020 16:34

Tgt Ion: 95 Resp: 6064
Ion Ratio Lower Upper
95 100
97 0.8 45.8 85.0#
132 0.0 74.2 137.8#
130 0.0 76.2 141.6#





#40

1,2-Dichloropropane

Concen: 3.135 ug/L

RT: 9.12 min Scan# 1198

Delta R.T. -0.10 min

Lab File: VY003704.D

Acq: 09 Dec 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

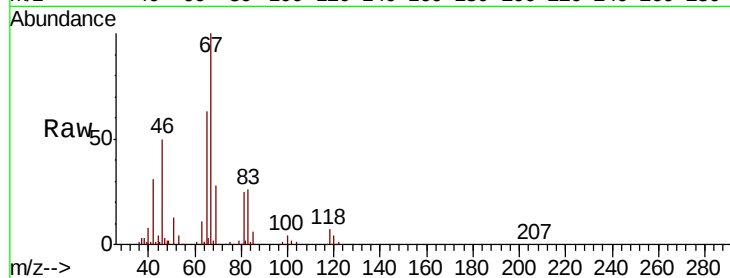
GB1F6RE

Tot Ion: 63 Resp: 8261

Ion Ratio Lower Upper

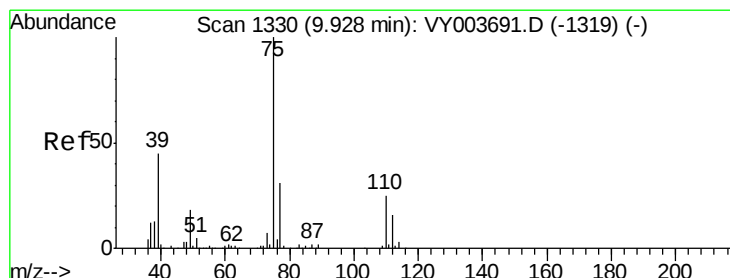
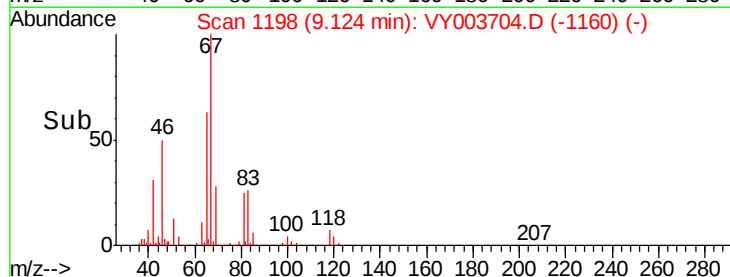
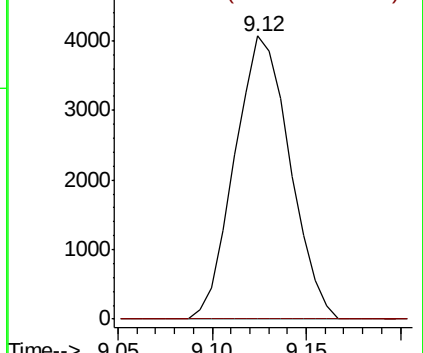
63 100

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: 0.618 ug/L

RT: 9.89 min Scan# 1324

Delta R.T. -0.04 min

Lab File: VY003704.D

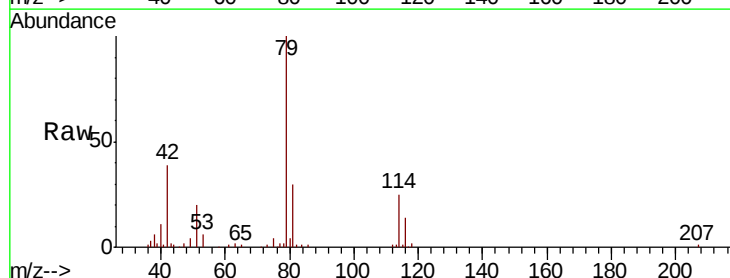
Acq: 09 Dec 2020 16:34

Tgt Ion: 75 Resp: 2565

Ion Ratio Lower Upper

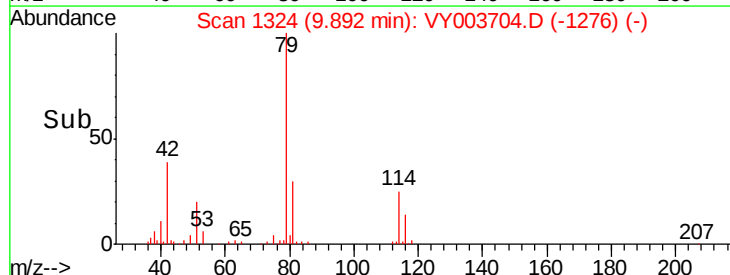
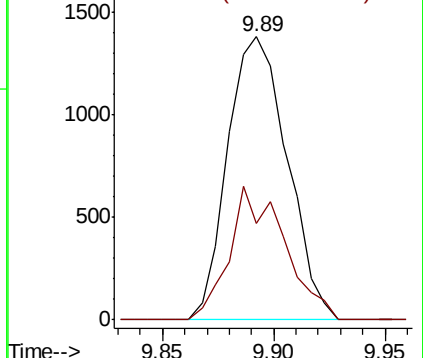
75 100

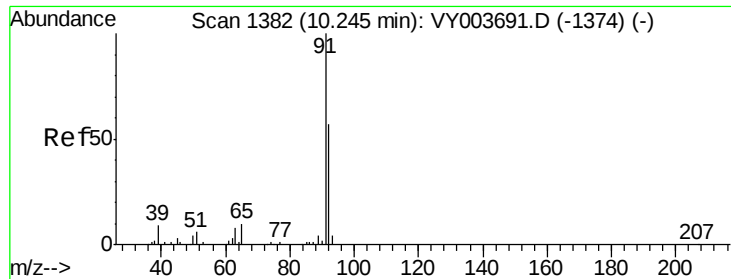
77 34.2 21.3 39.6



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0





#44

Toluene

Concen: 0.410 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003704.D

Acq: 09 Dec 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

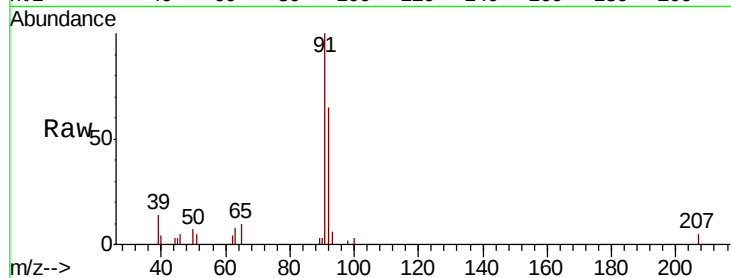
GB1F6RE

Tot Ion: 91 Resp: 4540

Ion Ratio Lower Upper

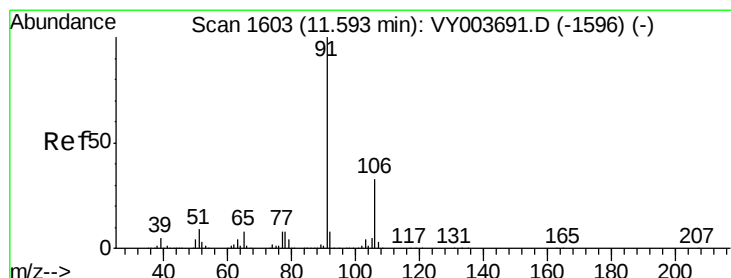
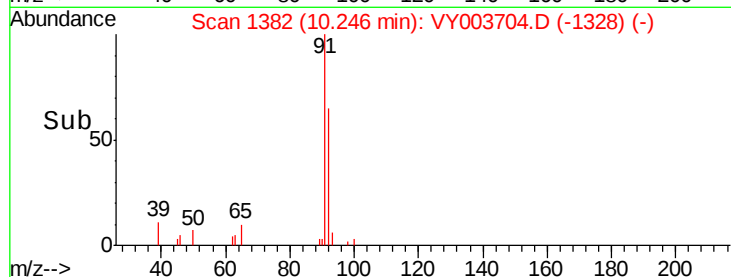
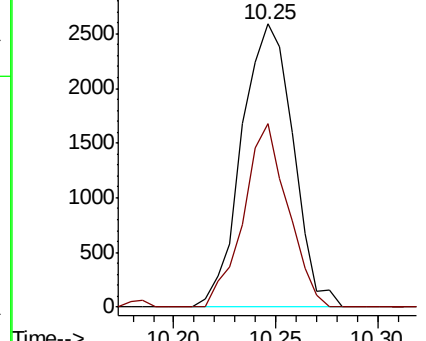
91 100

92 64.8 39.8 73.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0



#53

Ethylbenzene

Concen: 0.220 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003704.D

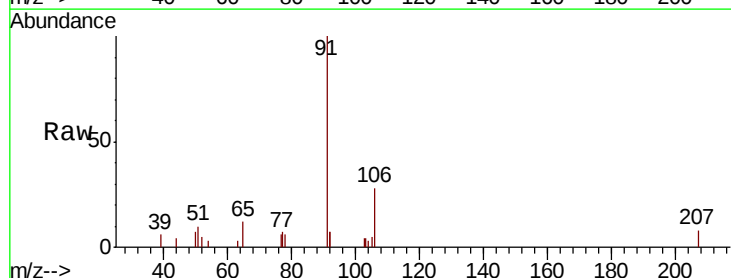
Acq: 09 Dec 2020 16:34

Tgt Ion: 91 Resp: 2656

Ion Ratio Lower Upper

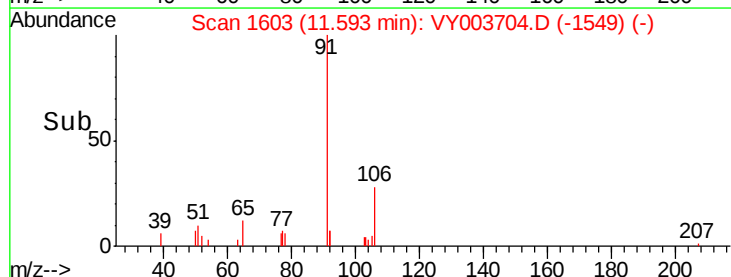
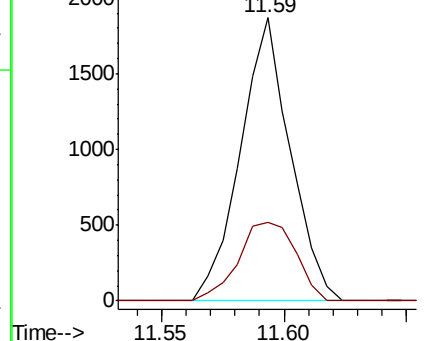
91 100

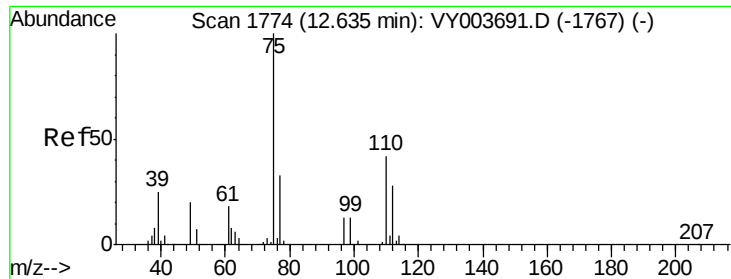
106 27.9 23.3 43.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V





#59

1,2,3-Trichloropropane

Concen: 3.457 ug/L

RT: 13.42 min Scan# 1903

Delta R.T. 0.79 min

Lab File: VY003704.D

Acq: 09 Dec 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

GB1F6RE

Tot Ion: 75 Resp: 7528

Ion Ratio Lower Upper

75 100

77 29.9 25.9 38.9

