

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120920\
 Data File : VY003701.D
 Acq On : 09 Dec 2020 15:25
 Operator : SY/MD
 Sample : L4979-11
 Misc : 6.61G/10ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1G1

Quant Time: Dec 10 02:30:08 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	117552	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	111210	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	49648	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	46877	28.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	112.80%
7) Chloroethane-d5	2.77	69	40034	31.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	127.68%
10) 1,1-Dichloroethene-d2	3.86	63	75558	24.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.60%
20) 2-Butanone-d5	6.91	46	35294	59.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.10%
24) Chloroform-d	7.49	84	104340	34.49	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	137.96%
26) 1,2-Dichloroethane-d4	8.15	65	57836	33.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	135.92%#
29) Benzene-d6	8.12	84	224276	34.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	139.32%#
33) 1,2-Dichloropropane-d6	9.12	67	67879	35.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	142.52%#
37) Toluene-d8	10.18	98	203498	35.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	141.04%#
38) trans-1,3-Dichloropropene-	10.44	79	30670	33.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	134.72%
39) 2-Hexanone-d5	10.79	63	28787	60.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.62%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	57812	34.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	136.24%#
61) 1,2-Dichlorobenzene-d4	13.72	152	70518	39.09	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	156.36%#

Target Compounds

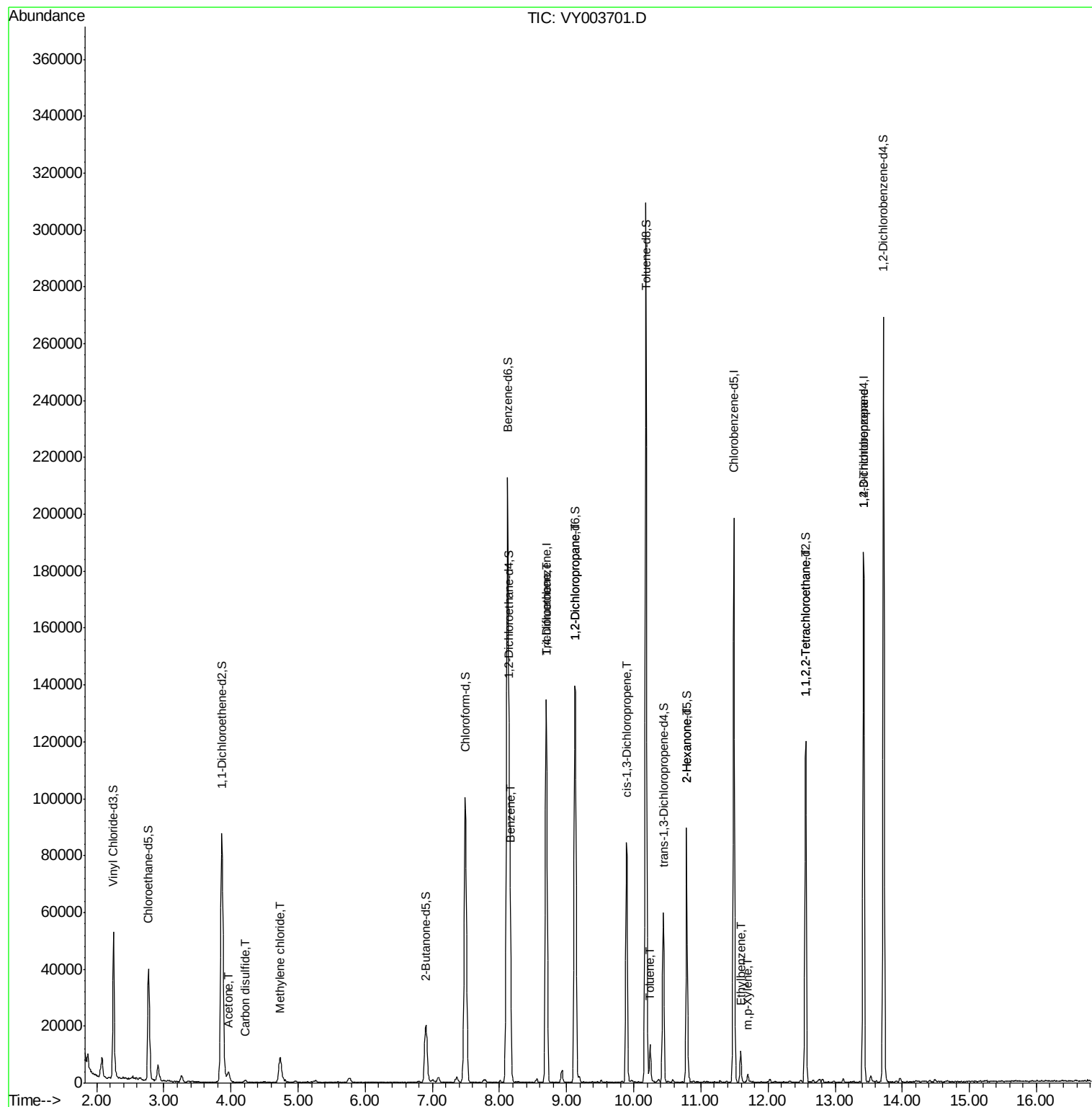
					Ovalue
13) Acetone	3.95	43	5958	13.715 ug/L	71
14) Carbon disulfide	4.20	76	1128	0.241 ug/L #	76
16) Methylene chloride	4.73	84	6056	2.934 ug/L	91
34) Benzene	8.17	78	2022	0.318 ug/L	100
35) Trichloroethene	8.70	95	3556	2.036 ug/L #	2
40) 1,2-Dichloropropane	9.12	63	7395	4.635 ug/L #	86
42) cis-1,3-Dichloropropene	9.90	75	2101	0.837 ug/L	85
44) Toluene	10.25	91	9681	1.443 ug/L	97
49) 2-Hexanone	10.79	43	3609	3.426 ug/L #	64
53) Ethylbenzene	11.59	91	7376	1.007 ug/L	98
54) m,p-Xylene	11.70	106	699	0.247 ug/L	85
58) 1,1,2,2-Tetrachloroethane	12.57	83	330	0.224 ug/L #	1
59) 1,2,3-Trichloropropane	13.42	75	5633	4.272 ug/L	91

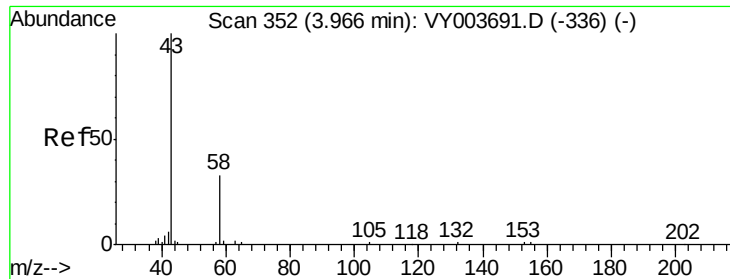
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#13

Acetone

Concen: 13.715 ug/L

RT: 3.95 min Scan# 350

Delta R.T. -0.01 min

Lab File: VY003701.D

Acq: 09 Dec 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

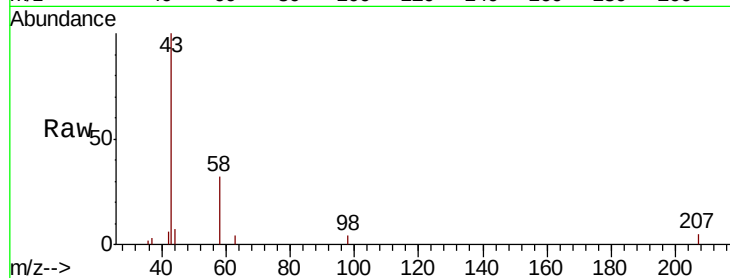
GB1G1

Tot Ion: 43 Resp: 5958

Ion Ratio Lower Upper

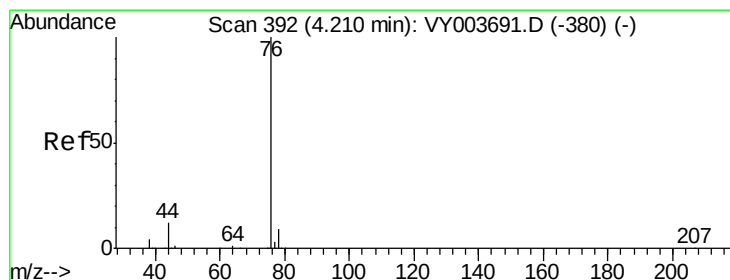
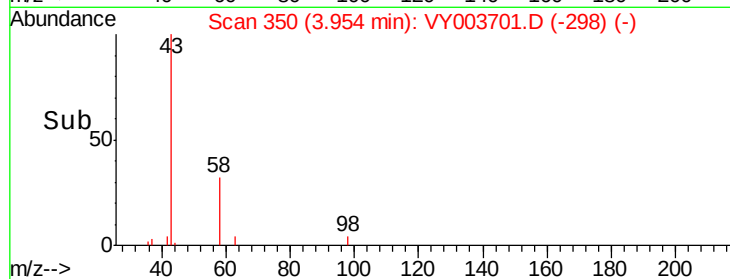
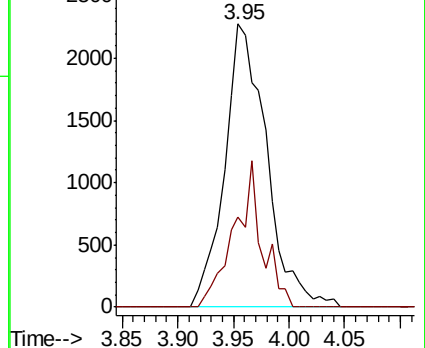
43 100

58 17.5 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 0.241 ug/L

RT: 4.20 min Scan# 391

Delta R.T. -0.01 min

Lab File: VY003701.D

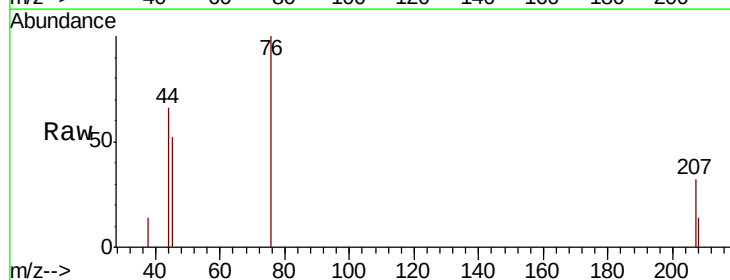
Acq: 09 Dec 2020 15:25

Tgt Ion: 76 Resp: 1128

Ion Ratio Lower Upper

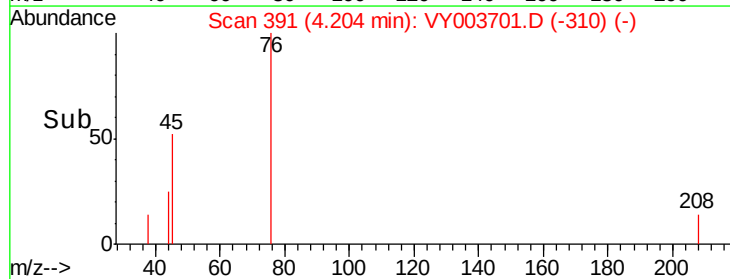
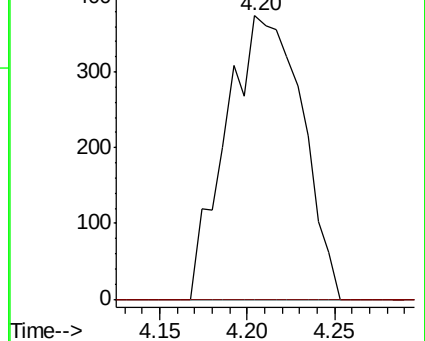
76 100

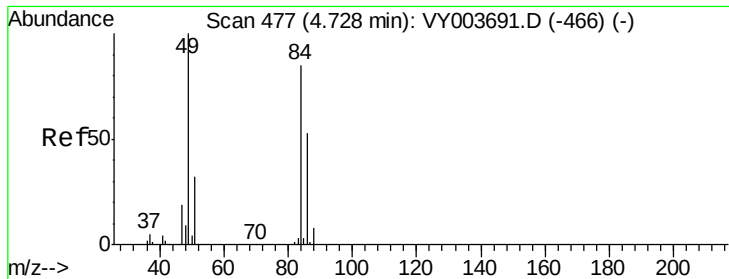
78 0.0 7.0 10.6#



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

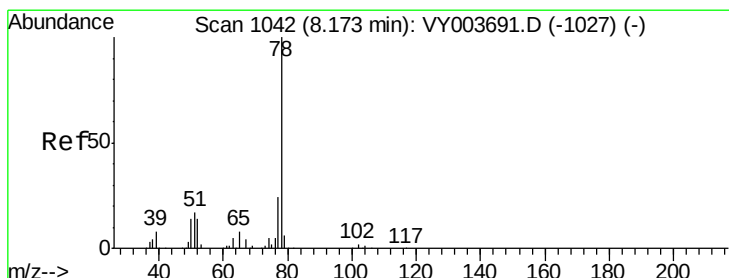
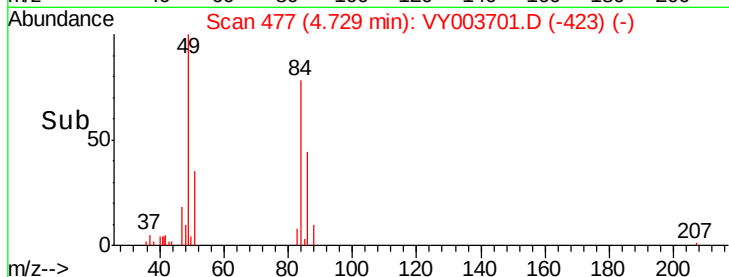
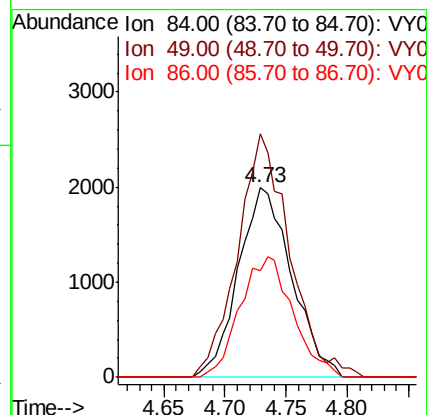
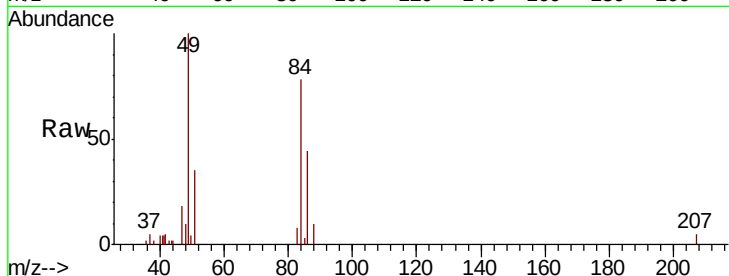




#16
Methvlene chloride
Concen: 2.934 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VY003701.D
Acq: 09 Dec 2020 15:25

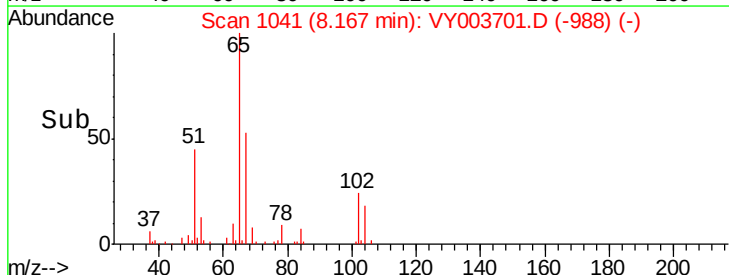
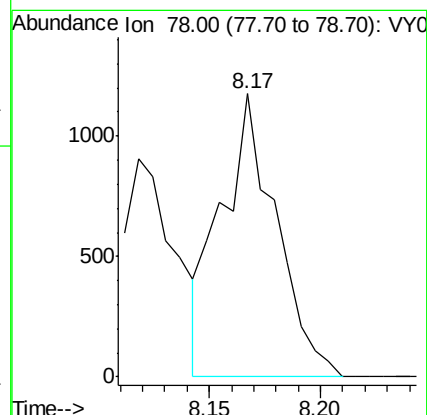
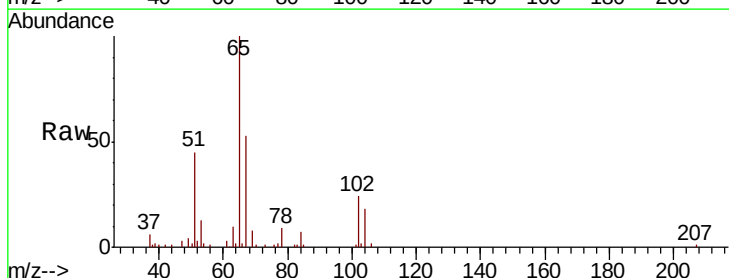
Instrument :
MSVOA_Y
ClientSampleId :
GB1G1

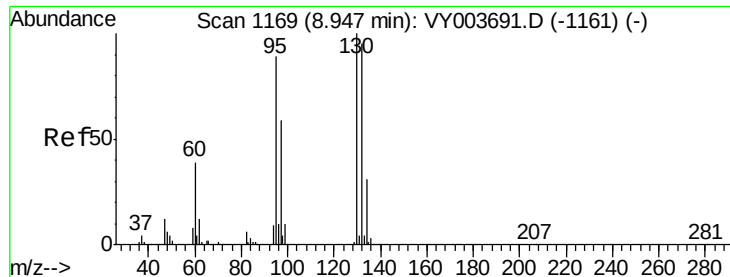
Tot Ion: 84 Resp: 6056
Ion Ratio Lower Upper
84 100
49 128.4 83.7 155.4
86 56.5 45.0 83.6



#34
Benzene
Concen: 0.318 ug/L
RT: 8.17 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VY003701.D
Acq: 09 Dec 2020 15:25

Tgt Ion: 78 Resp: 2022





#35

Trichloroethene

Concen: 2.036 ug/L

RT: 8.70 min Scan# 1128

Delta R.T. -0.25 min

Lab File: VY003701.D

Acq: 09 Dec 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

GB1G1

Tot Ion: 95 Resp: 3556

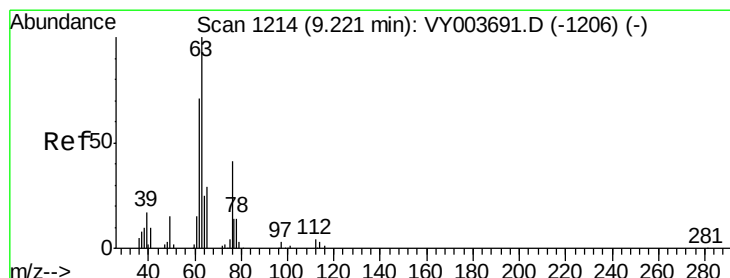
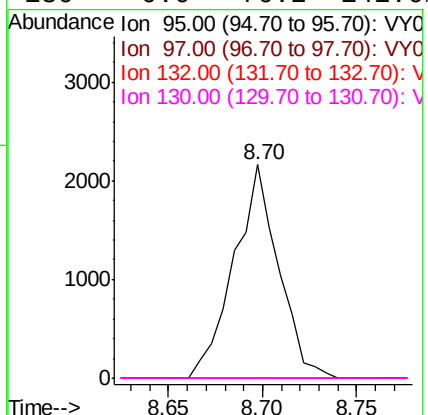
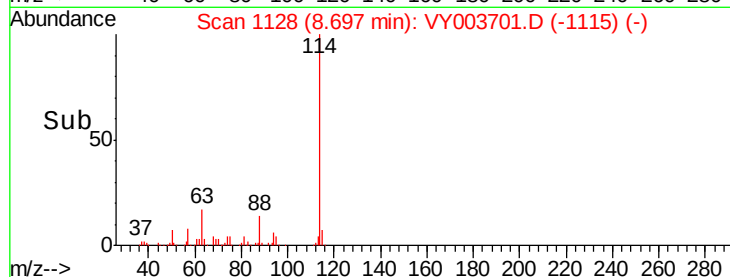
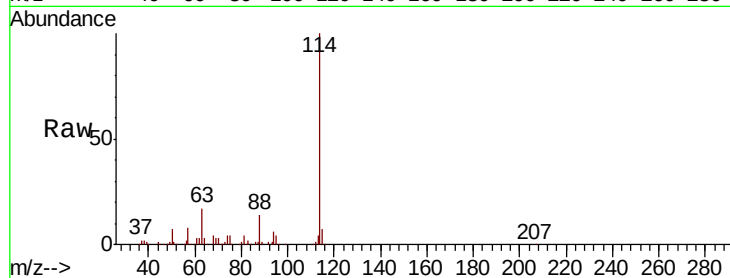
Ion Ratio Lower Upper

95 100

97 0.0 45.8 85.0#

132 0.0 74.2 137.8#

130 0.0 76.2 141.6#



#40

1,2-Dichloropropane

Concen: 4.635 ug/L

RT: 9.12 min Scan# 1198

Delta R.T. -0.10 min

Lab File: VY003701.D

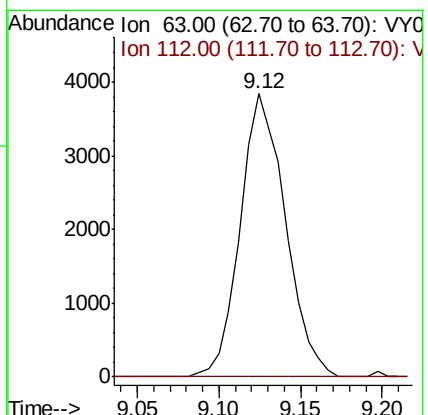
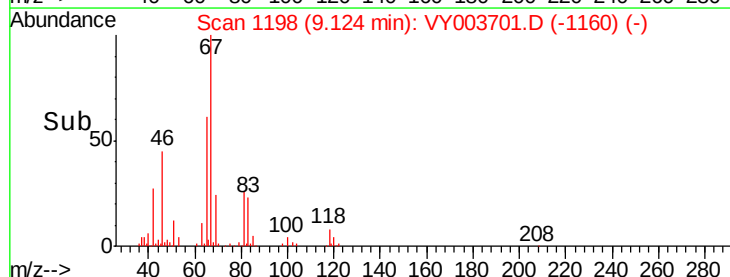
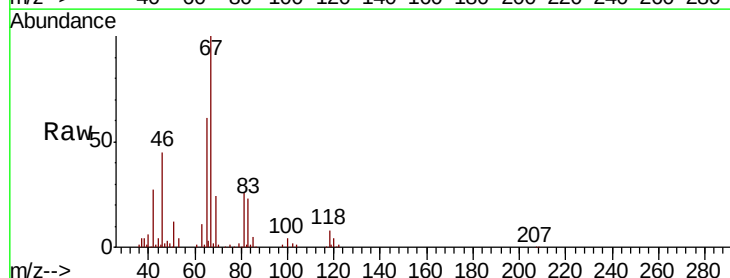
Acq: 09 Dec 2020 15:25

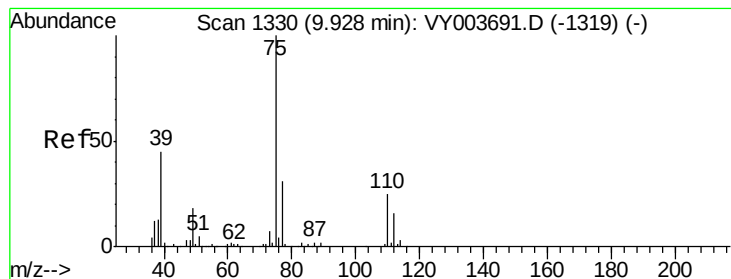
Tgt Ion: 63 Resp: 7395

Ion Ratio Lower Upper

63 100

112 0.0 3.7 5.5#





#42

cis-1,3-Dichloropropene

Concen: 0.837 ug/L

RT: 9.90 min Scan# 1325

Delta R.T. -0.03 min

Lab File: VY003701.D

Acq: 09 Dec 2020 15:25

Instrument :

MSVOA_Y

ClientSampled :

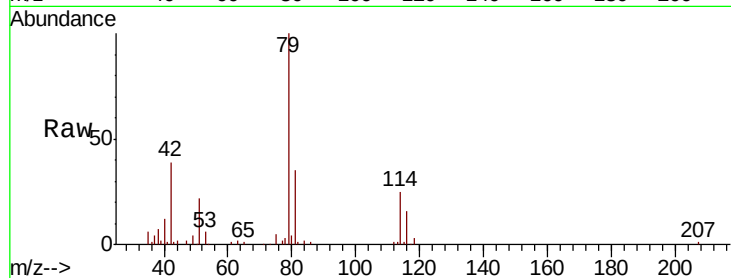
GB1G1

Tot Ion: 75 Resp: 2101

Ion Ratio Lower Upper

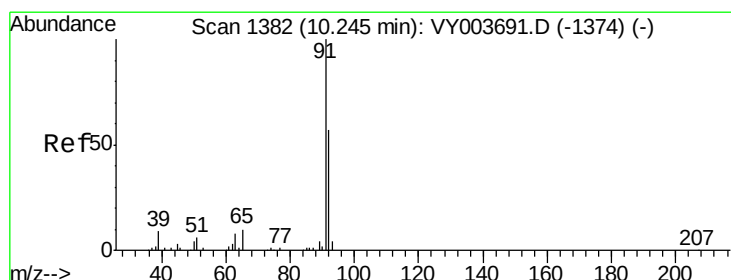
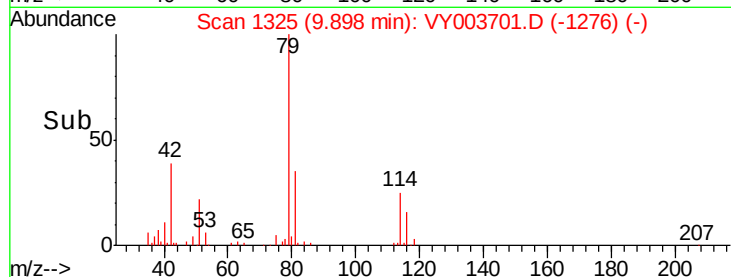
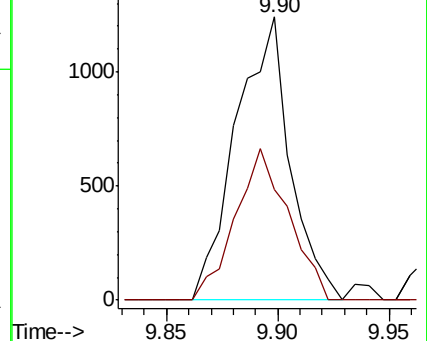
75 100

77 38.9 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: 1.443 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003701.D

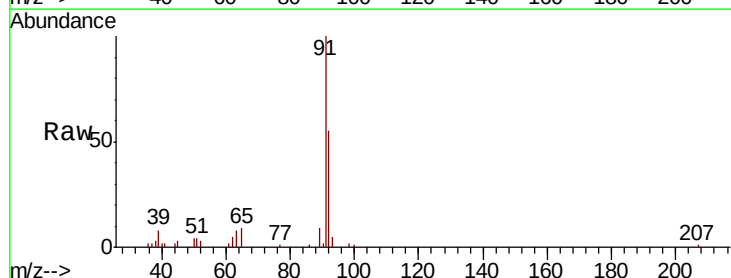
Acq: 09 Dec 2020 15:25

Tgt Ion: 91 Resp: 9681

Ion Ratio Lower Upper

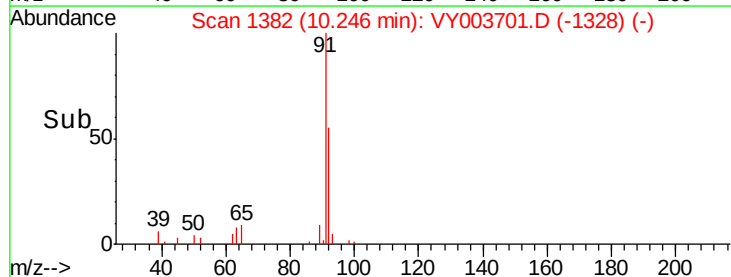
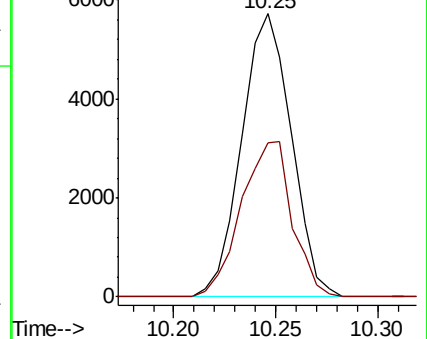
91 100

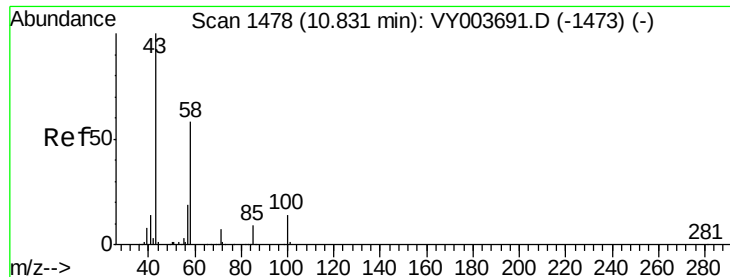
92 54.5 39.8 73.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0

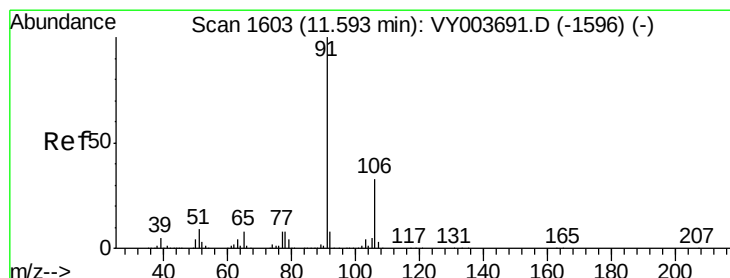
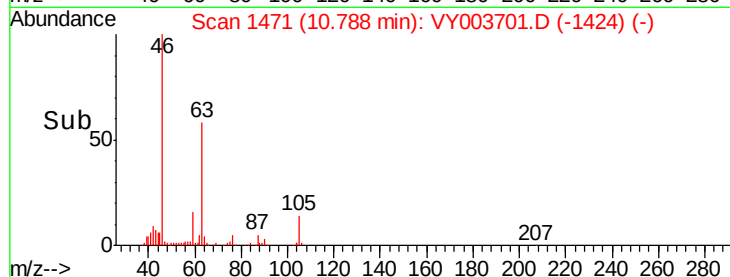
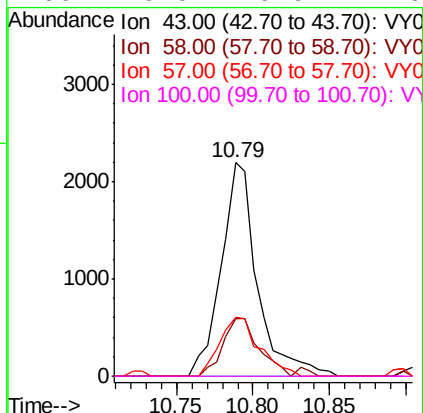
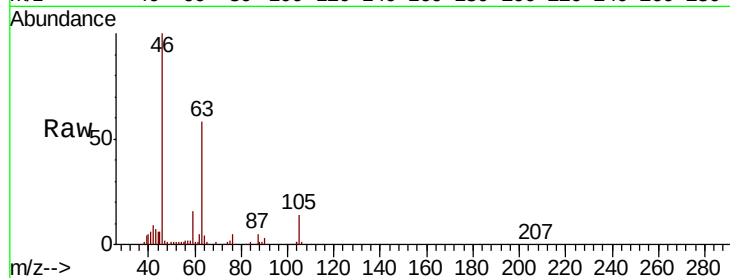




#49
2-Hexanone
Concen: 3.426 ug/L
RT: 10.79 min Scan# 1471
Delta R.T. -0.04 min
Lab File: VY003701.D
Acq: 09 Dec 2020 15:25

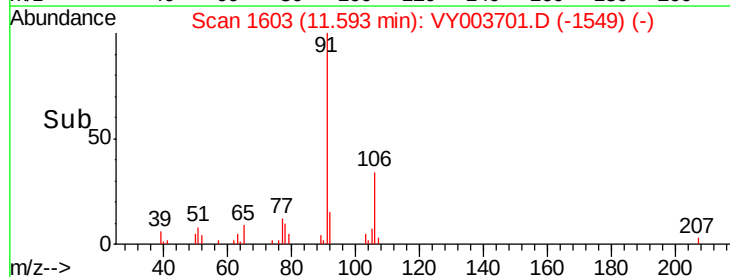
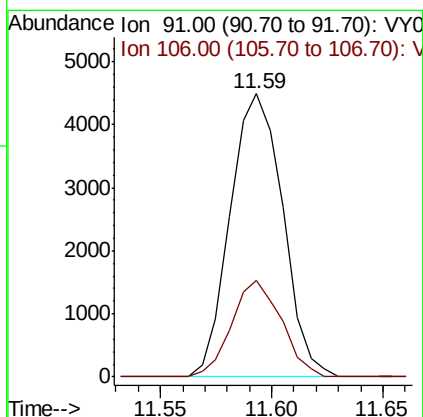
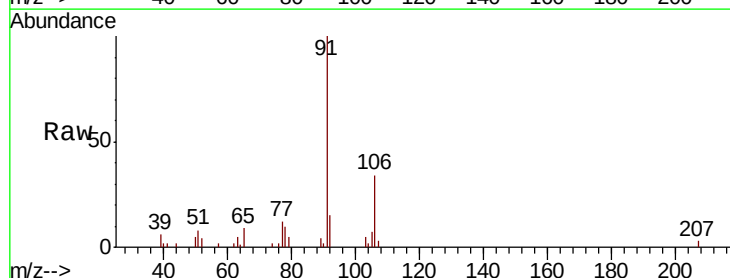
Instrument :
MSVOA_Y
ClientSampleId :
GB1G1

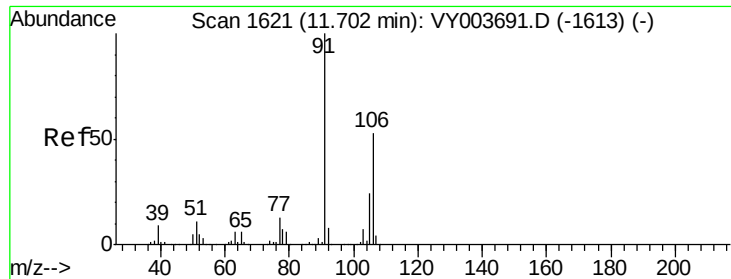
Tot Ion	Ratio	Lower	Upper
43	100		
58	26.7	44.8	67.2#
57	30.2	14.8	22.2#
100	0.0	9.9	14.9#



#53
Ethylbenzene
Concen: 1.007 ug/L
RT: 11.59 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VY003701.D
Acq: 09 Dec 2020 15:25

Tgt Ion	Ratio	Lower	Upper
91	100		
106	34.2	23.3	43.3





#54

m,p-Xylene

Concen: 0.247 ug/L

RT: 11.70 min Scan# 1620

Delta R.T. -0.01 min

Lab File: VY003701.D

Acq: 09 Dec 2020 15:25

Instrument :

MSVOA_Y

ClientSampled :

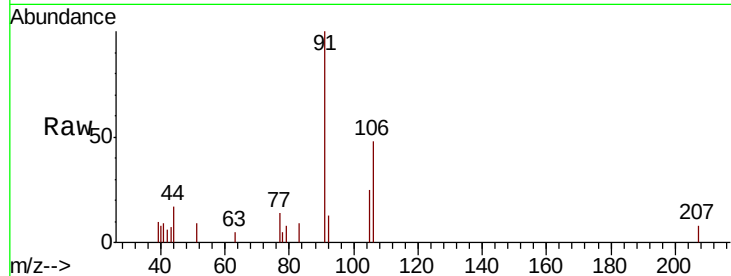
GB1G1

Tot Ion:106 Resp: 699

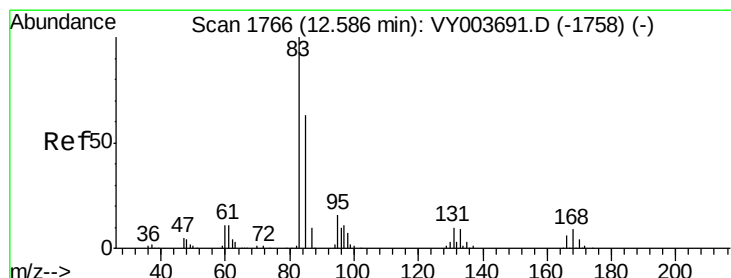
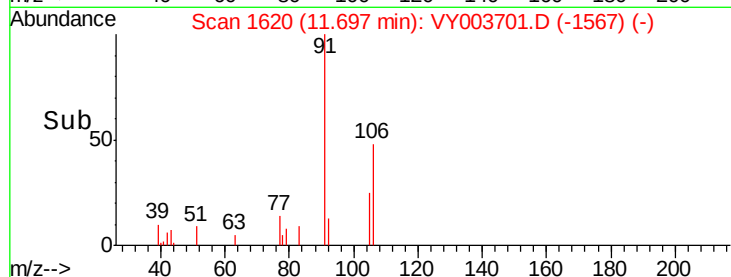
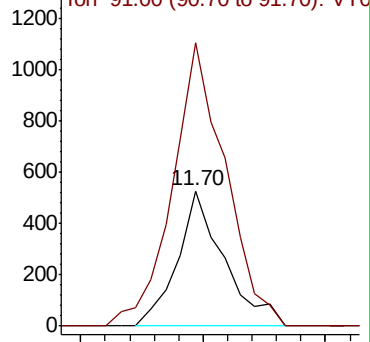
Ion Ratio Lower Upper

106 100

91 209.1 131.3 243.9



Abundance Ion 106.00 (105.70 to 106.70): VY003691.D (-1613) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 0.224 ug/L

RT: 12.57 min Scan# 1763

Delta R.T. -0.02 min

Lab File: VY003701.D

Acq: 09 Dec 2020 15:25

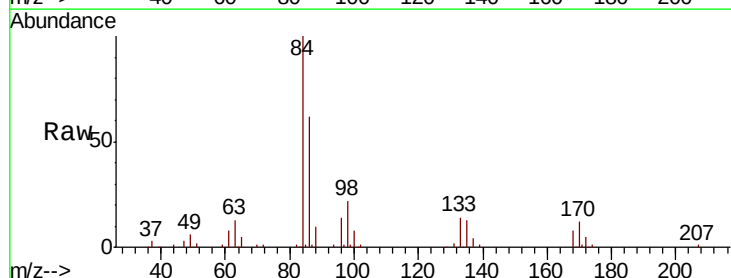
Tgt Ion: 83 Resp: 330

Ion Ratio Lower Upper

83 100

85 151.1 47.2 87.6#

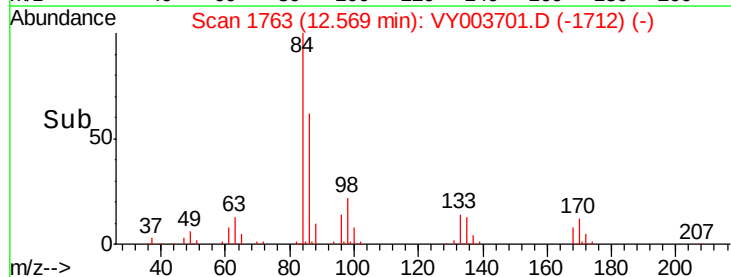
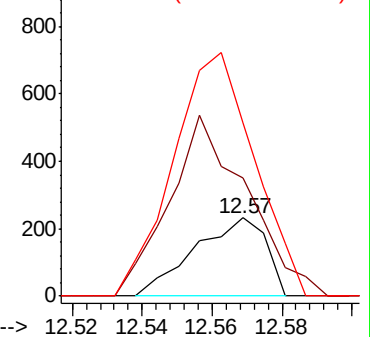
131 223.4 8.4 12.6#

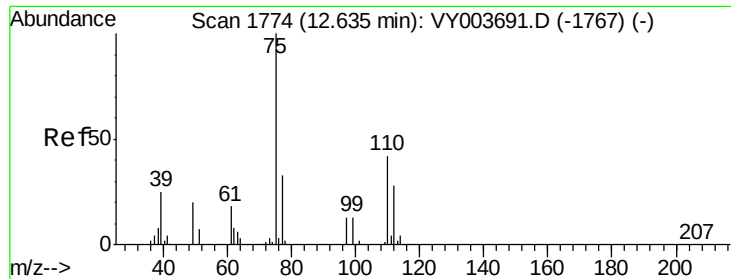


Abundance Ion 83.00 (82.70 to 83.70): VY003691.D (-1758) (-)

Ion 85.00 (84.70 to 85.70): VY003691.D (-1758) (-)

Ion 131.00 (130.70 to 131.70): VY003691.D (-1758) (-)





#59

1,2,3-Trichloropropane

Concen: 4.272 ug/L

RT: 13.42 min Scan# 1903

Delta R.T. 0.79 min

Lab File: VY003701.D

Acq: 09 Dec 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

GB1G1

Tot Ion: 75 Resp: 5633

Ion Ratio Lower Upper

75 100

77 37.4 25.9 38.9

