

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121020\
 Data File : VY003724.D
 Acq On : 10 Dec 2020 17:16
 Operator : SY/MD
 Sample : L4980-07MSD
 Misc : 6.24G/10ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1F0MSD

Quant Time: Dec 11 00:50:59 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	222932	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	202050	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	84011	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	56530	17.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.72%
7) Chloroethane-d5	2.77	69	48894	20.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.24%
10) 1,1-Dichloroethene-d2	3.86	63	120160	20.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.00%
20) 2-Butanone-d5	6.90	46	50549	44.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.96%
24) Chloroform-d	7.49	84	129005	22.49	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.96%
26) 1,2-Dichloroethane-d4	8.15	65	74671	23.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.52%
29) Benzene-d6	8.12	84	273145	23.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.40%
33) 1,2-Dichloropropane-d6	9.12	67	83335	24.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.28%
37) Toluene-d8	10.18	98	249727	23.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.28%
38) trans-1,3-Dichloropropene-	10.44	79	41419	25.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.16%
39) 2-Hexanone-d5	10.79	63	47040	54.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.48%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	74178	24.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.20%
61) 1,2-Dichlorobenzene-d4	13.72	152	76716	25.13	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.52%

Target Compounds

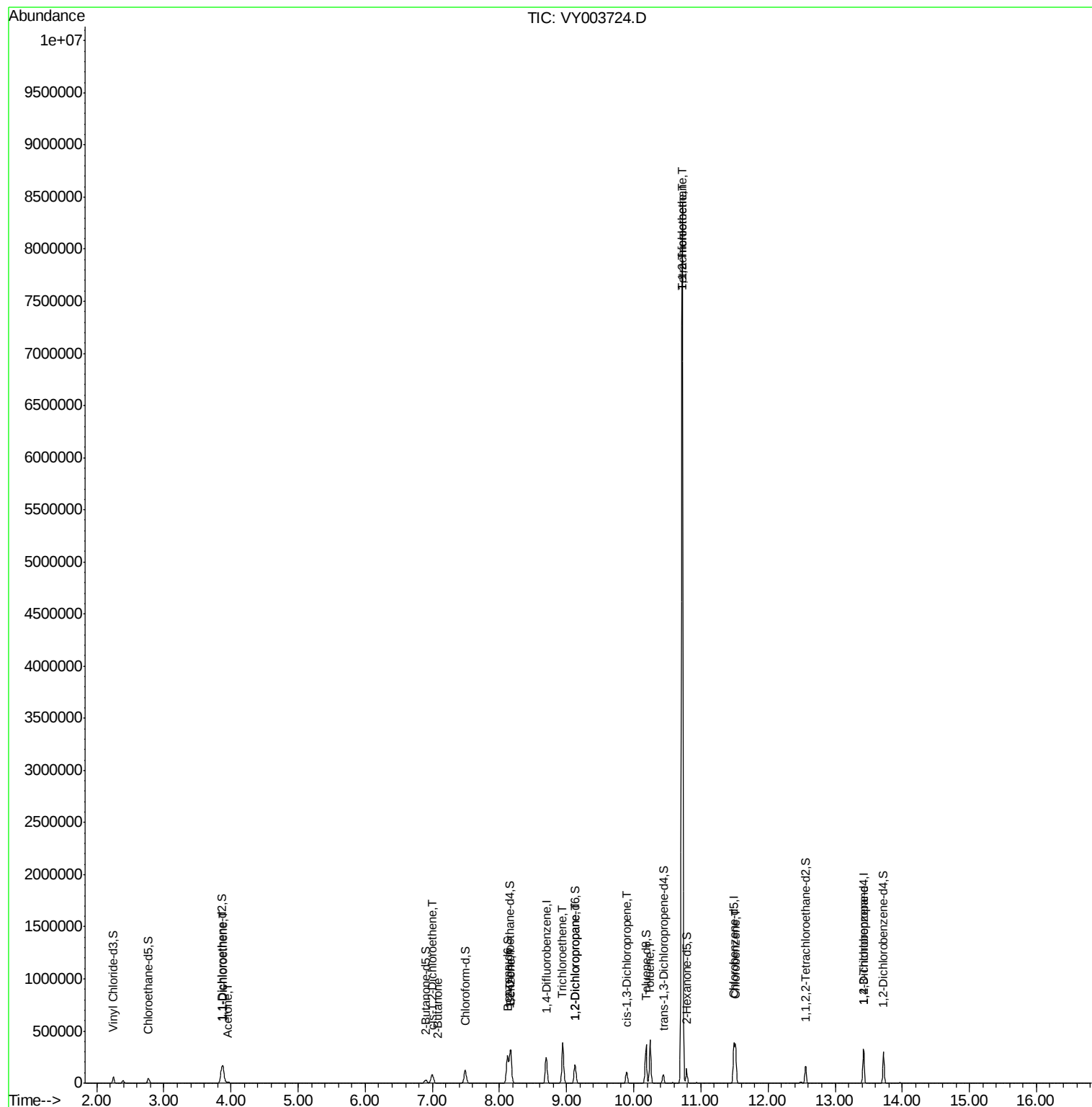
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	3.88	96	64246	24.081	ug/L	92
13) Acetone	3.95	43	9775	11.865	ug/L	99
21) 2-Butanone	7.08	43	1810	1.244	ug/L	82
22) cis-1,2-Dichloroethene	7.00	96	54996	17.179	ug/L	91
34) Benzene	8.17	78	280313	24.252	ug/L	100
35) Trichloroethene	8.94	95	125686	39.607	ug/L	99
40) 1,2-Dichloropropane	9.12	63	9147	3.155	ug/L #	86
42) cis-1,3-Dichloropropene	9.89	75	3129	0.686	ug/L	85
44) Toluene	10.25	91	300128	24.616	ug/L	99
46) 1,1,2-Trichloroethane	10.72	97	15155	6.064	ug/L #	1
47) Tetrachloroethene	10.72	164	1745066	706.130	ug/L	93
52) Chlorobenzene	11.51	112	185890	23.167	ug/L	97
59) 1,2,3-Trichloropropane	13.42	75	9769	4.078	ug/L	100

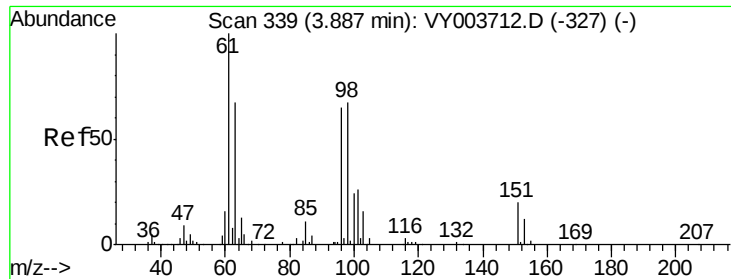
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#12

1,1-Dichloroethene

Concen: 24.081 ug/L

RT: 3.88 min Scan# 338

Delta R.T. -0.01 min

Lab File: VY003724.D

Acq: 10 Dec 2020 17:16

Instrument :

MSVOA_Y

ClientSampleId :

GB1F0MSD

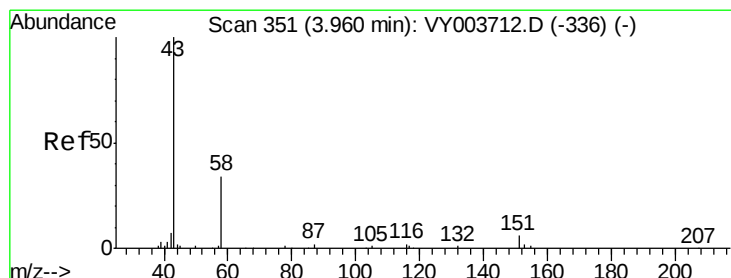
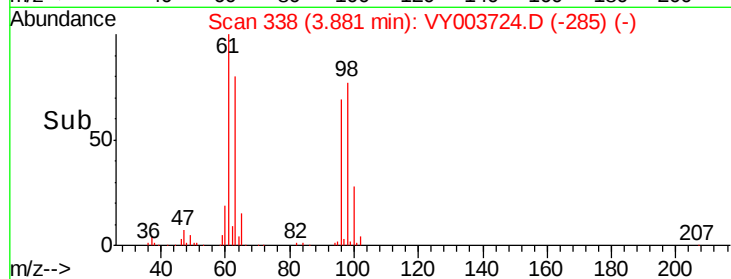
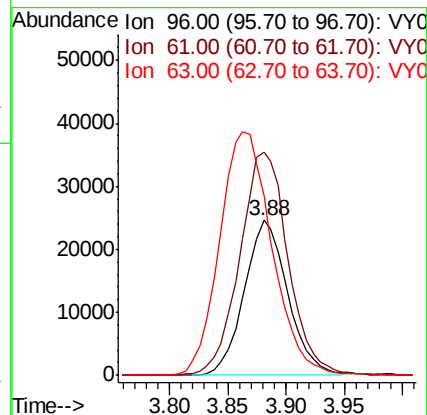
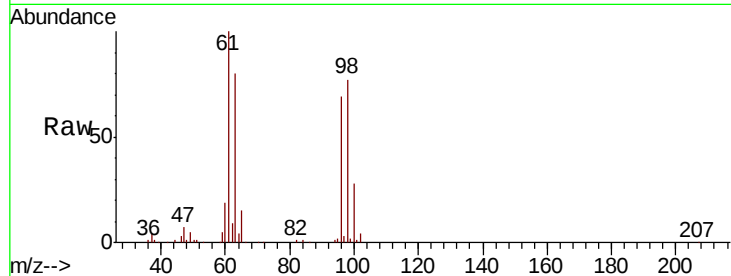
Tot Ion: 96 Resp: 64246

Ion Ratio Lower Upper

96 100

61 144.4 108.5 201.5

63 115.7 87.8 163.0



#13

Acetone

Concen: 11.865 ug/L

RT: 3.95 min Scan# 350

Delta R.T. -0.01 min

Lab File: VY003724.D

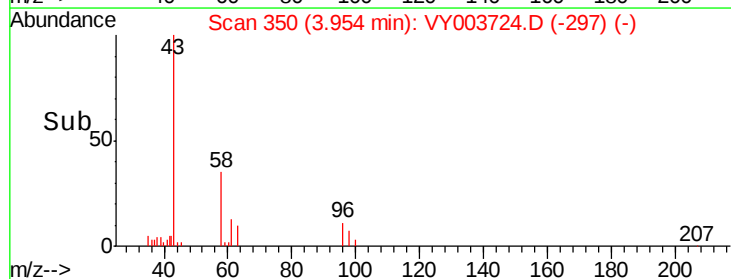
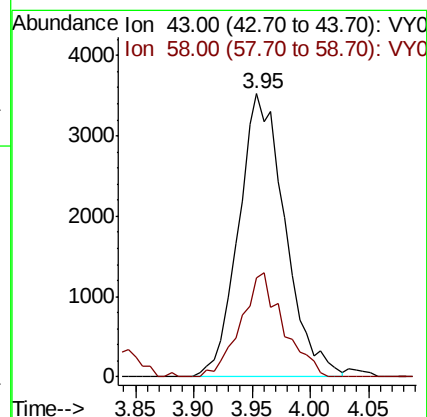
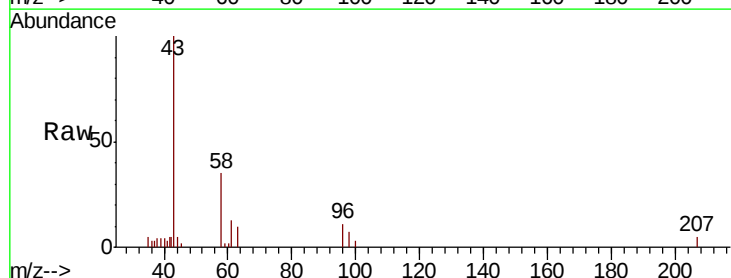
Acq: 10 Dec 2020 17:16

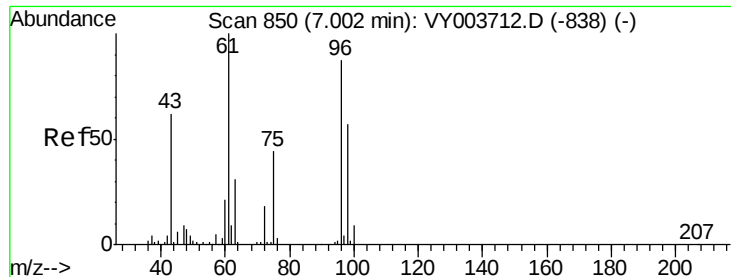
Tgt Ion: 43 Resp: 9775

Ion Ratio Lower Upper

43 100

58 33.7 0.0 68.8

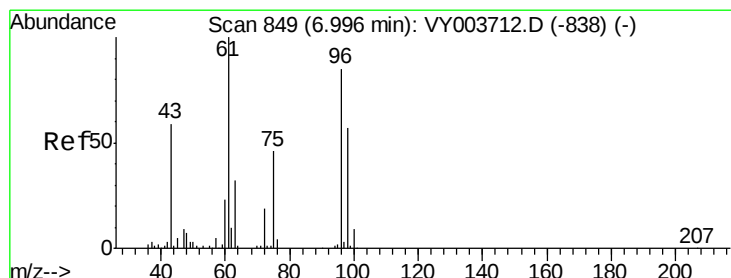
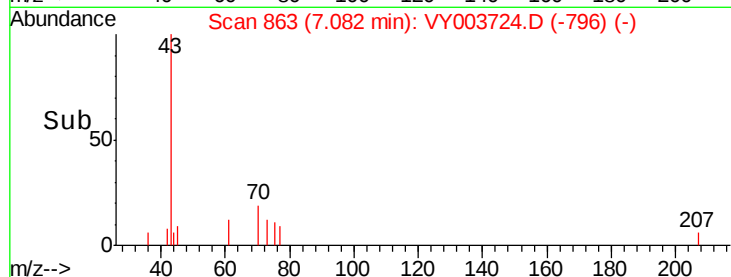
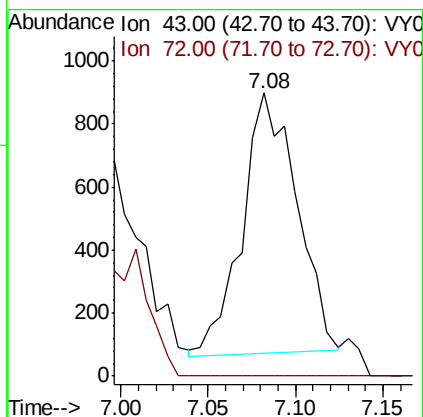
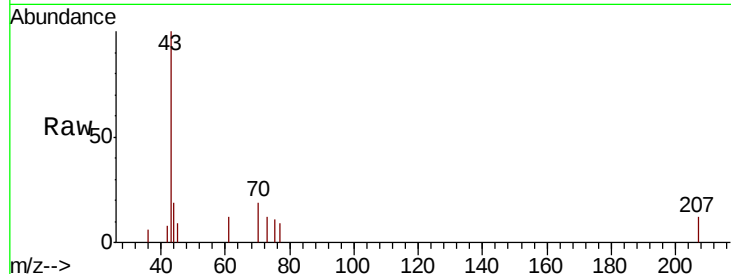




#21
2-Butanone
Concen: 1.244 ug/L
RT: 7.08 min Scan# 863
Delta R.T. 0.08 min
Lab File: VY003724.D
Acq: 10 Dec 2020 17:16

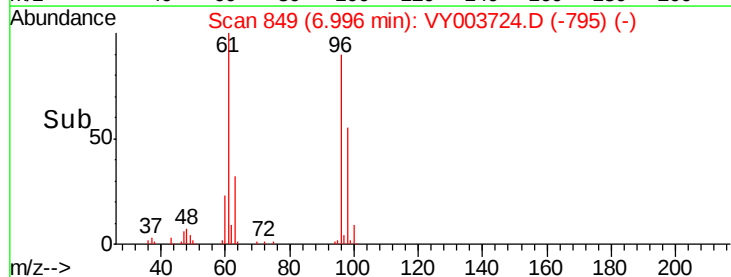
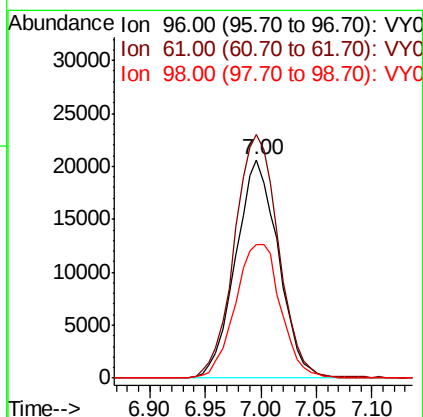
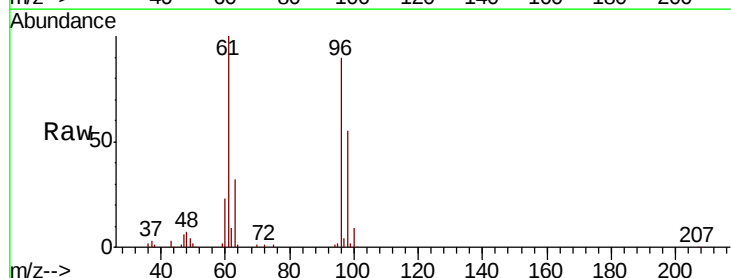
Instrument :
MSVOA_Y
ClientSampleId :
GB1F0MSD

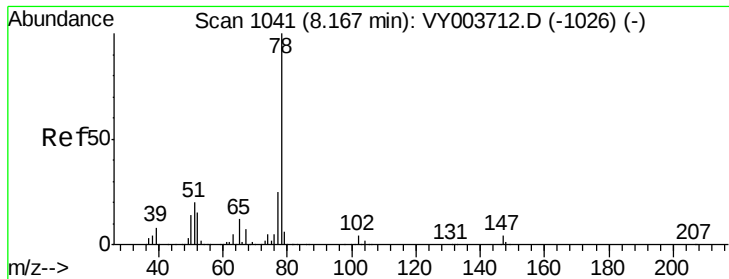
Tot Ion: 43 Resp: 1810
Ion Ratio Lower Upper
43 100
72 17.4 13.3 39.9



#22
cis-1,2-Dichloroethene
Concen: 17.179 ug/L
RT: 7.00 min Scan# 849
Delta R.T. -0.00 min
Lab File: VY003724.D
Acq: 10 Dec 2020 17:16

Tgt Ion: 96 Resp: 54996
Ion Ratio Lower Upper
96 100
61 111.6 85.8 159.4
98 61.0 46.5 86.3





#34

Benzene

Concen: 24.252 ug/L

RT: 8.17 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VY003724.D

Acq: 10 Dec 2020 17:16

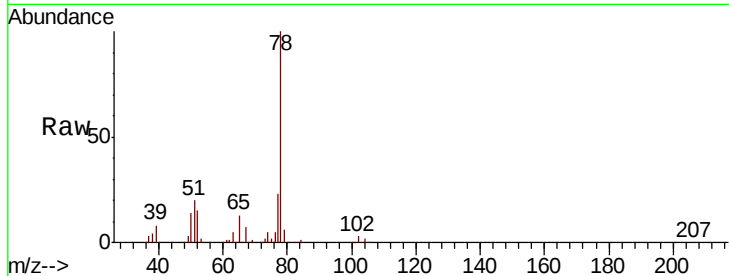
Instrument :

MSVOA_Y

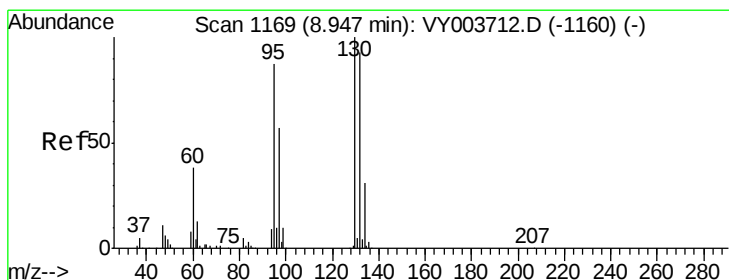
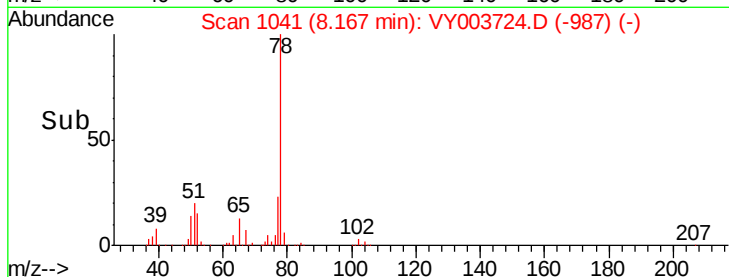
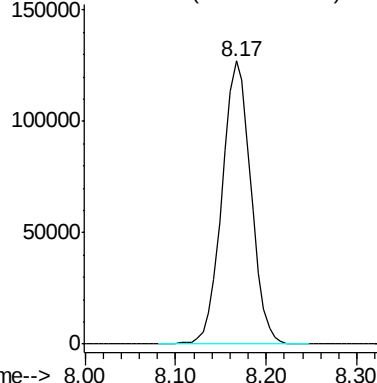
ClientSampleId :

GB1F0MSD

Tgt Ion: 78 Resp: 280313



Abundance Ion 78.00 (77.70 to 78.70): VY0



#35

Trichloroethene

Concen: 39.607 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. -0.01 min

Lab File: VY003724.D

Acq: 10 Dec 2020 17:16

Tgt Ion: 95 Resp: 125686

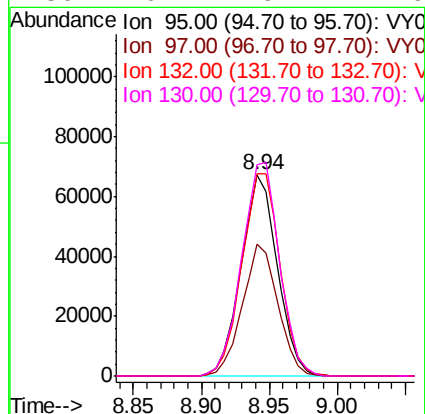
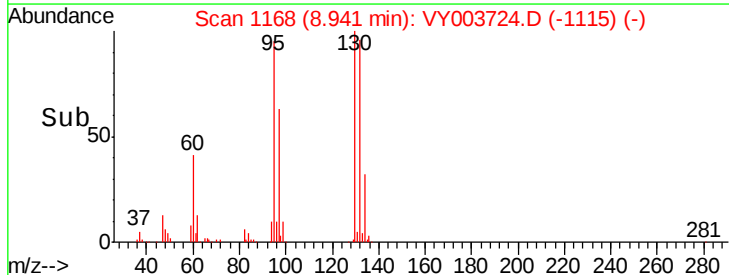
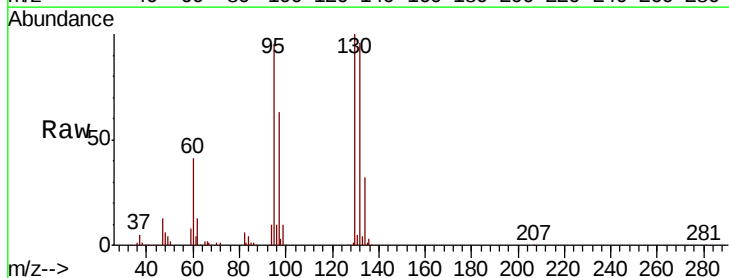
Ion	Ratio	Lower	Upper
95	100		
97	64.3	45.8	85.0
132	105.4	74.2	137.8
130	110.2	76.2	141.6

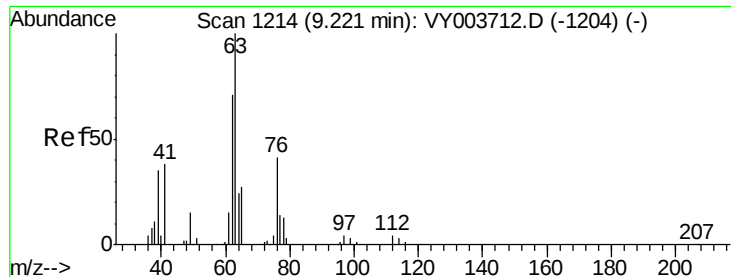
Abundance Ion 95.00 (94.70 to 95.70): VY0

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

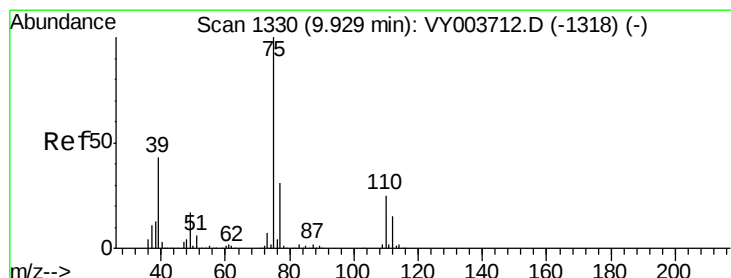
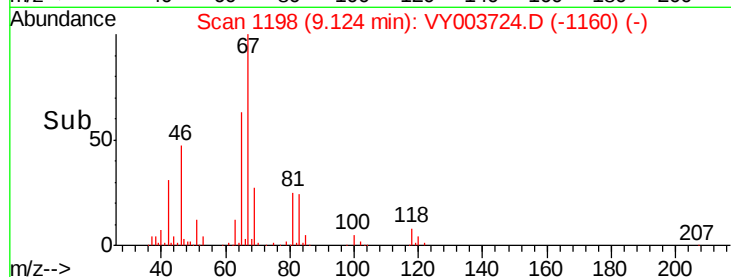
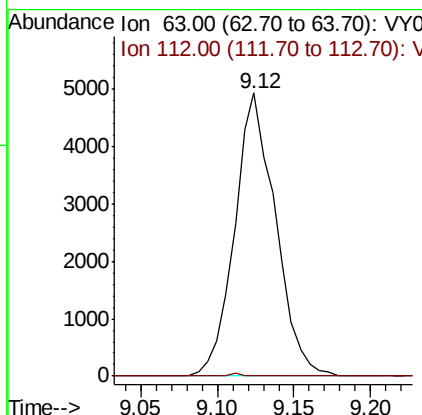
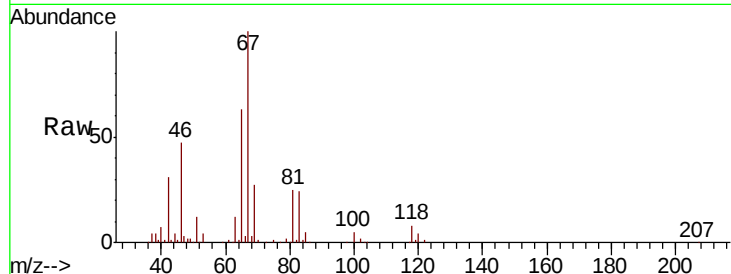




#40
 1,2-Dichloropropane
 Concen: 3.155 ug/L
 RT: 9.12 min Scan# 1198
 Delta R.T. -0.10 min
 Lab File: VY003724.D
 Acq: 10 Dec 2020 17:16

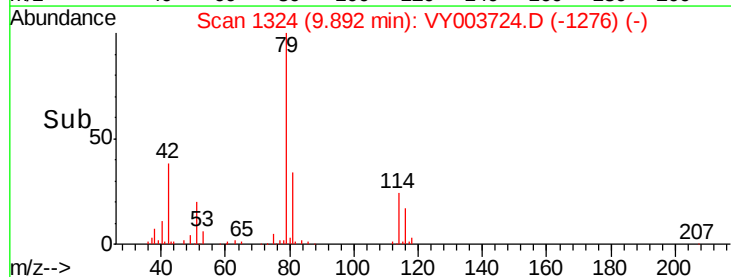
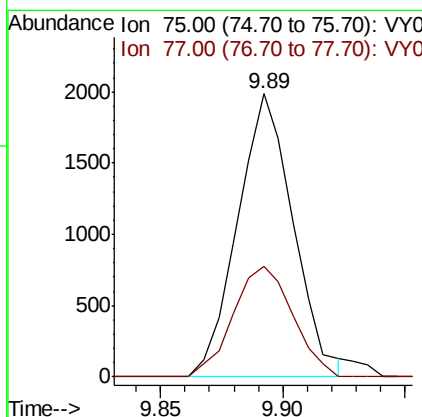
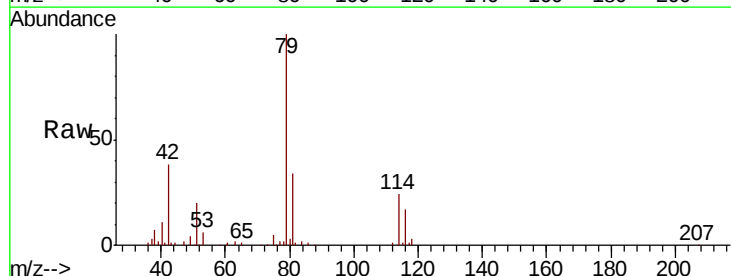
Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1F0MSD

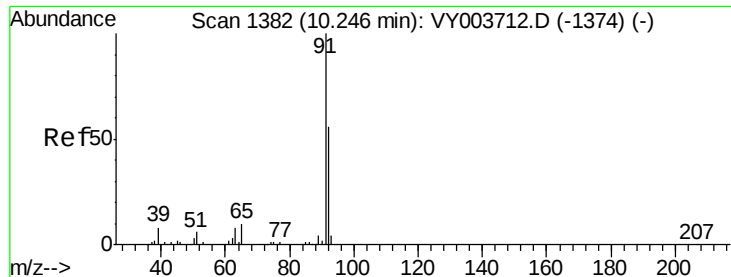
Tot Ion: 63 Resp: 9147
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#42
 cis-1,3-Dichloropropene
 Concen: 0.686 ug/L
 RT: 9.89 min Scan# 1324
 Delta R.T. -0.04 min
 Lab File: VY003724.D
 Acq: 10 Dec 2020 17:16

Tgt Ion: 75 Resp: 3129
 Ion Ratio Lower Upper
 75 100
 77 38.9 21.3 39.6





#44

Toluene

Concen: 24.616 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VY003724.D

Acq: 10 Dec 2020 17:16

Instrument :

MSVOA_Y

ClientSampleId :

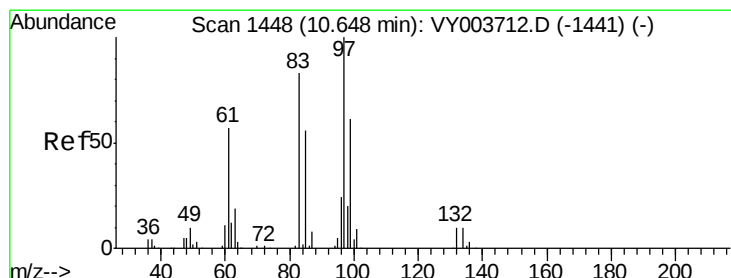
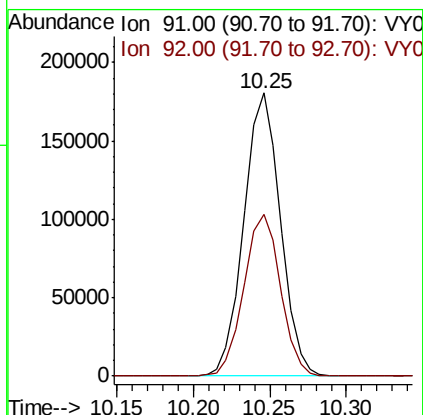
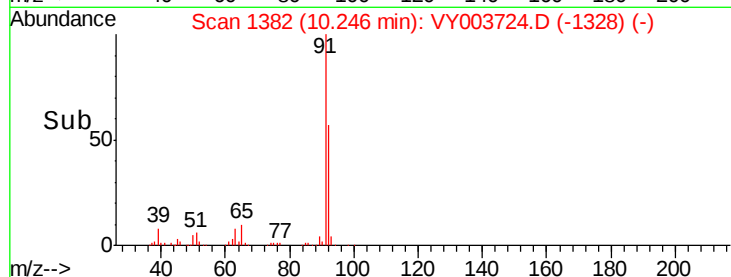
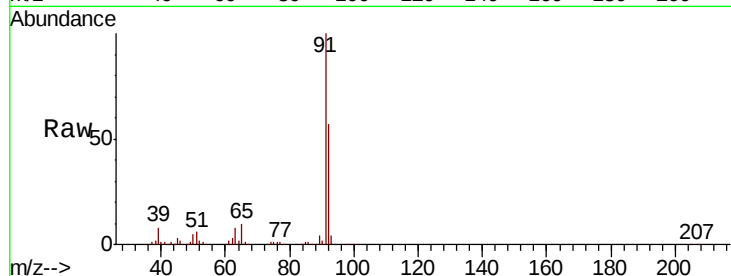
GB1F0MSD

Tot Ion: 91 Resp: 300128

Ion Ratio Lower Upper

91 100

92 57.2 39.8 73.8



#46

1,1,2-Trichloroethane

Concen: 6.064 ug/L

RT: 10.72 min Scan# 1460

Delta R.T. 0.07 min

Lab File: VY003724.D

Acq: 10 Dec 2020 17:16

Tgt Ion: 97 Resp: 15155

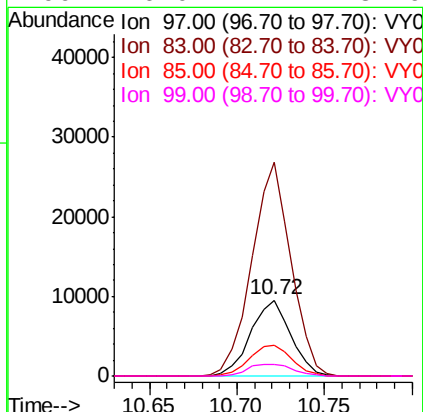
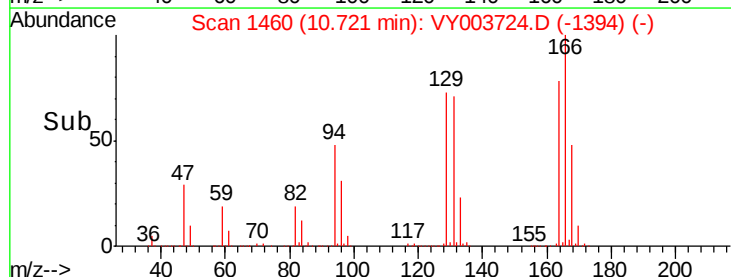
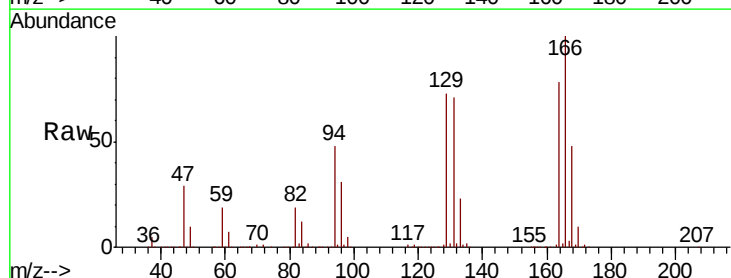
Ion Ratio Lower Upper

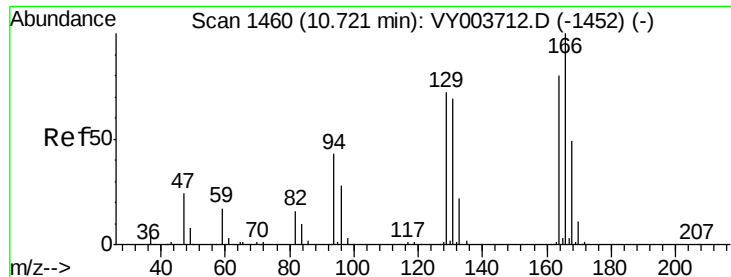
97 100

83 281.6 59.6 110.8#

85 39.7 40.2 74.6#

99 16.0 44.7 82.9#





#47

Tetrachloroethene

Concen: 706.130 ug/L

RT: 10.72 min Scan# 1460

Delta R.T. -0.00 min

Lab File: VY003724.D

Acq: 10 Dec 2020 17:16

Instrument :

MSVOA_Y

ClientSampleId :

GB1F0MSD

Tot Ion:164 Resp: 1745066

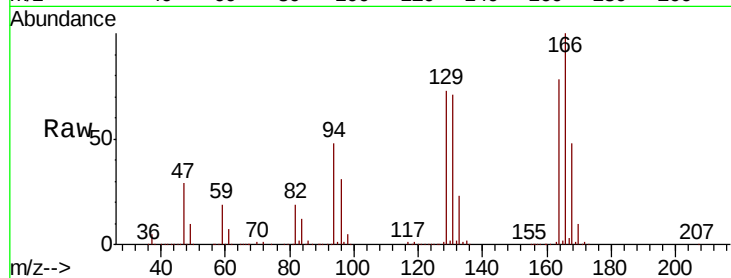
Ion Ratio Lower Upper

164 100

129 93.1 59.6 110.6

131 91.4 57.9 107.5

166 128.5 93.2 173.2

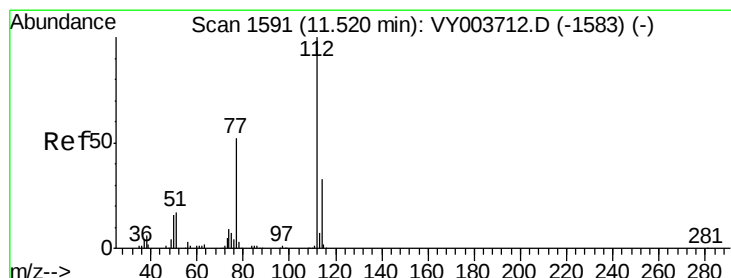
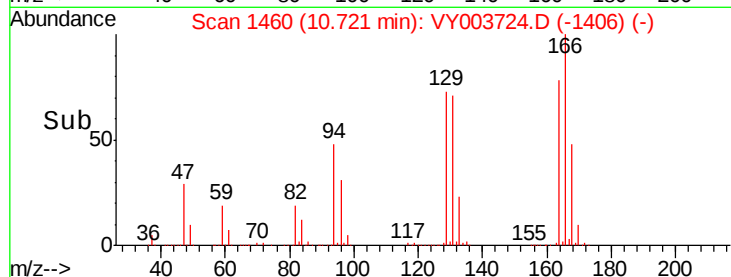
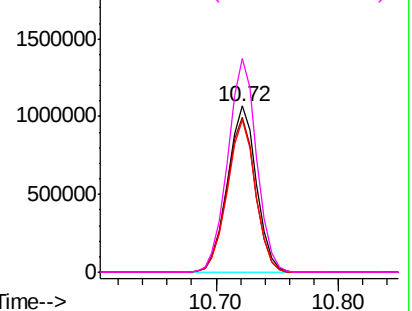


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#52

Chlorobenzene

Concen: 23.167 ug/L

RT: 11.51 min Scan# 1590

Delta R.T. -0.01 min

Lab File: VY003724.D

Acq: 10 Dec 2020 17:16

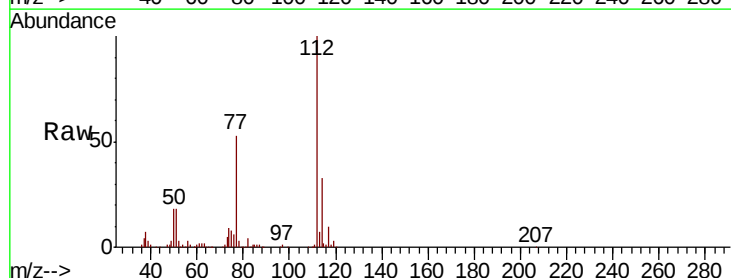
Tgt Ion:112 Resp: 185890

Ion Ratio Lower Upper

112 100

77 52.9 44.4 66.6

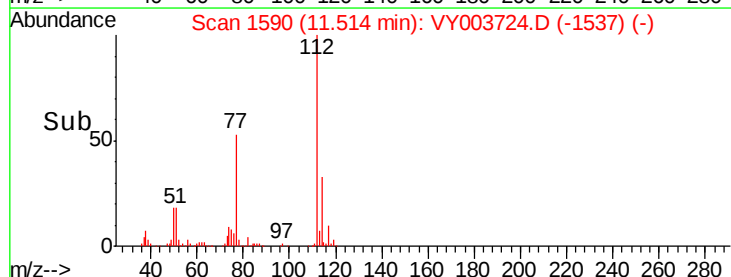
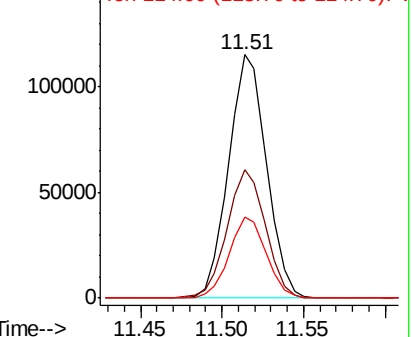
114 33.2 22.4 41.6

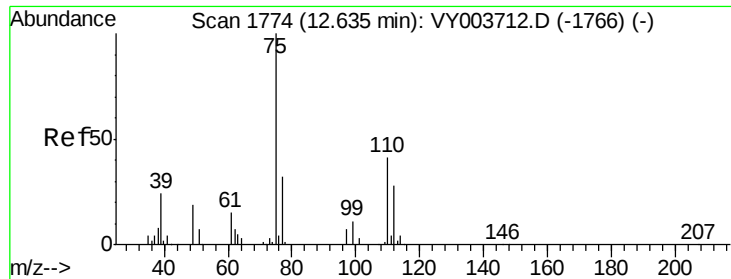


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 114.00 (113.70 to 114.70): V





#59

1,2,3-Trichloropropane

Concen: 4.078 ug/L

RT: 13.42 min Scan# 1903

Delta R.T. 0.79 min

Lab File: VY003724.D

Acq: 10 Dec 2020 17:16

Instrument :

MSVOA_Y

ClientSampleId :

GB1F0MSD

Tot Ion: 75 Resp: 9769

Ion Ratio Lower Upper

75 100

77 32.7 25.9 38.9

