

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121020\
 Data File : VY003714.D
 Acq On : 10 Dec 2020 13:11
 Operator : SY/MD
 Sample : L4979-02
 Misc : 4.72G/10ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1F4

Quant Time: Dec 11 00:49:32 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	136883	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	121101	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	41779	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	38548	19.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.64%
7) Chloroethane-d5	2.77	69	31136	21.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.28%
10) 1,1-Dichloroethene-d2	3.86	63	58425	16.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.16%
20) 2-Butanone-d5	6.90	46	23726	34.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.76%
24) Chloroform-d	7.49	84	75552	21.45	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	8.15	65	41033	20.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.80%
29) Benzene-d6	8.12	84	159918	22.81	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.24%
33) 1,2-Dichloropropane-d6	9.13	67	45984	22.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.64%
37) Toluene-d8	10.18	98	135458	21.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.20%
38) trans-1,3-Dichloropropene-	10.44	79	19288	19.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.80%
39) 2-Hexanone-d5	10.79	63	17545	33.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	67.50%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	32846	17.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	71.08%
61) 1,2-Dichlorobenzene-d4	13.72	152	34225	22.55	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.20%

Target Compounds

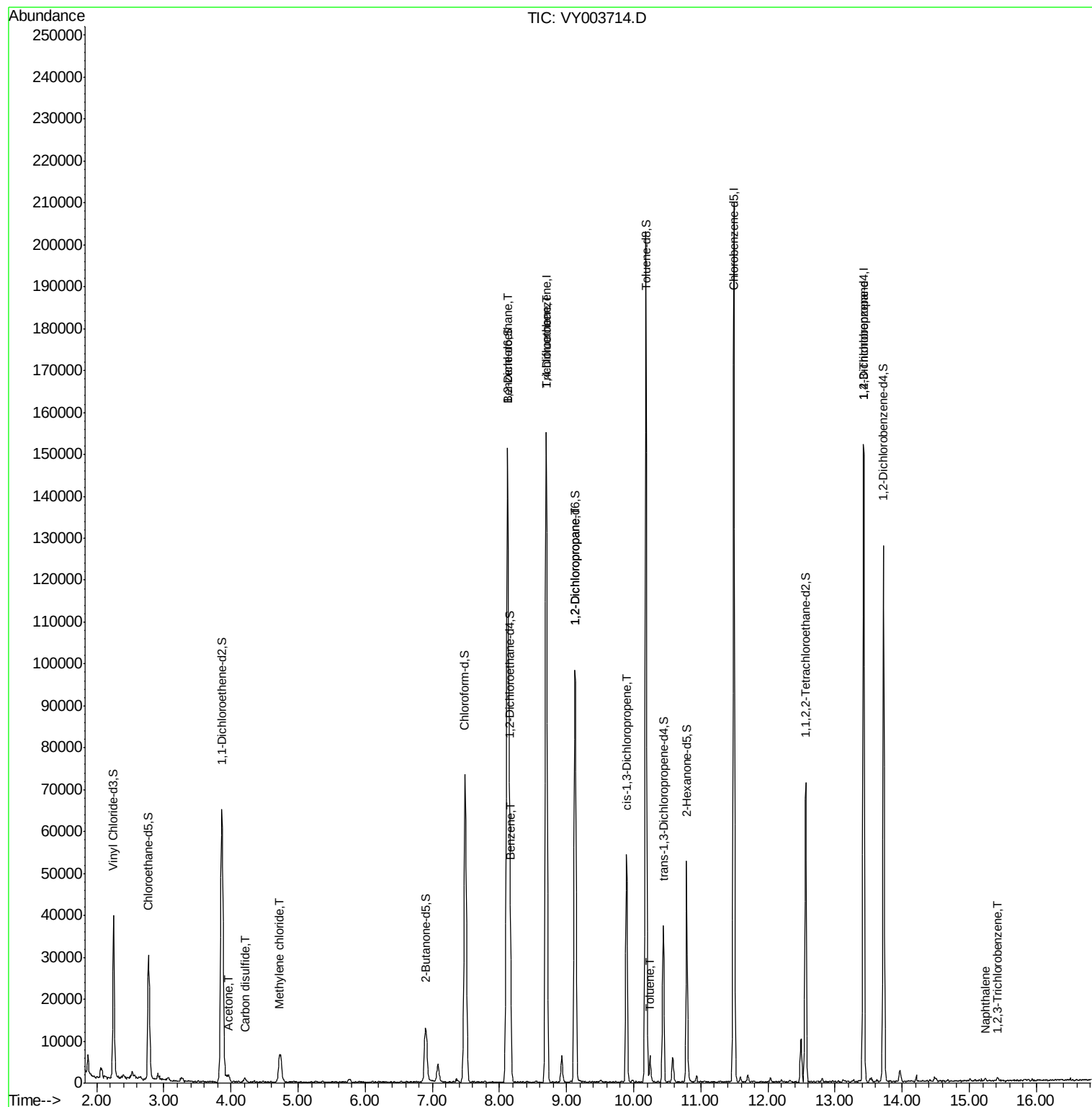
					Ovalue
13) Acetone	3.96	43	2346	4.638	ug/L 99
14) Carbon disulfide	4.20	76	1115	0.204	ug/L 98
16) Methylene chloride	4.72	84	5108	2.125	ug/L 98
27) 1,2-Dichloroethane	8.12	62	703	0.332	ug/L # 73
34) Benzene	8.17	78	3212	0.464	ug/L 100
35) Trichloroethene	8.69	95	4152	2.183	ug/L # 2
40) 1,2-Dichloropropane	9.12	63	4867	2.801	ug/L # 86
42) cis-1,3-Dichloropropene	9.89	75	1630	0.596	ug/L # 82
44) Toluene	10.25	91	4520	0.619	ug/L 92
59) 1,2,3-Trichloropropane	13.43	75	5074	3.534	ug/L 98
69) Naphthalene	15.23	128	867	0.276	ug/L # 77
70) 1,2,3-Trichlorobenzene	15.43	180	278	0.203	ug/L # 88

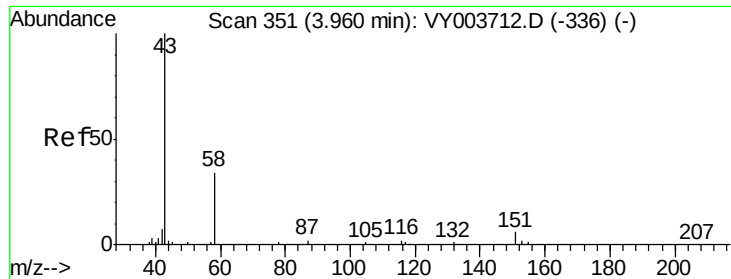
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#13

Acetone

Concen: 4.638 ug/L

RT: 3.96 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY003714.D

Acq: 10 Dec 2020 13:11

Instrument :

MSVOA_Y

ClientSampled :

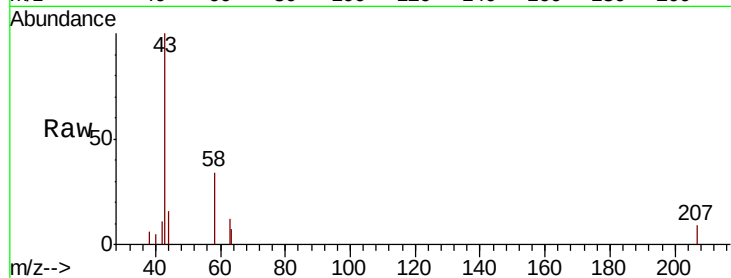
GB1F4

Tot Ion: 43 Resp: 2346

Ion Ratio Lower Upper

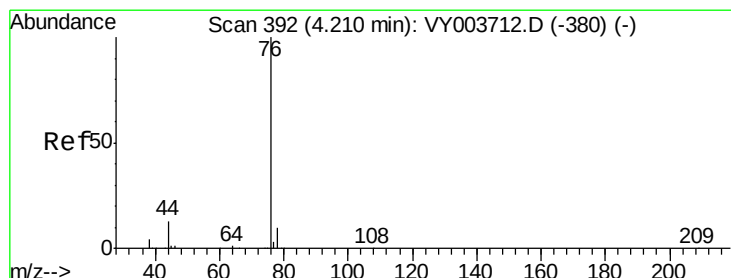
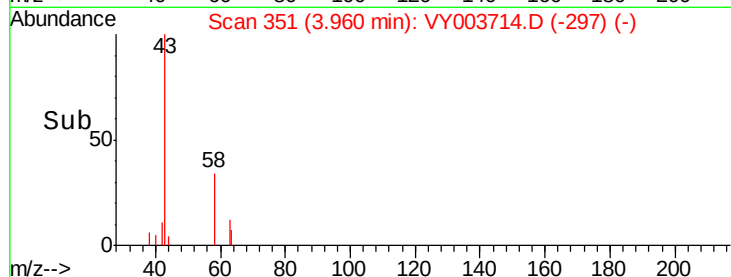
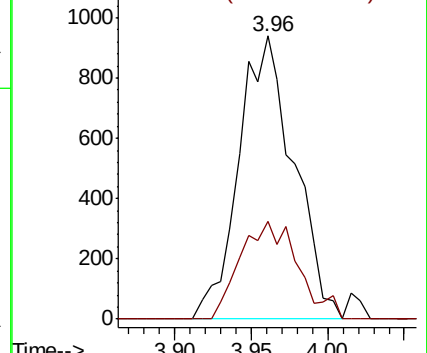
43 100

58 34.1 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: 0.204 ug/L

RT: 4.20 min Scan# 391

Delta R.T. -0.01 min

Lab File: VY003714.D

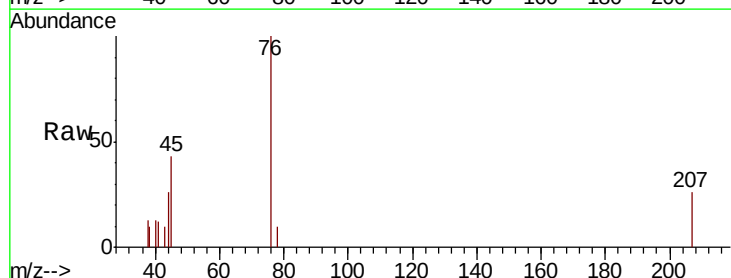
Acq: 10 Dec 2020 13:11

Tgt Ion: 76 Resp: 1115

Ion Ratio Lower Upper

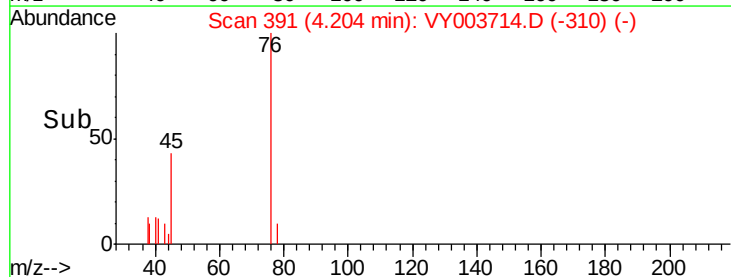
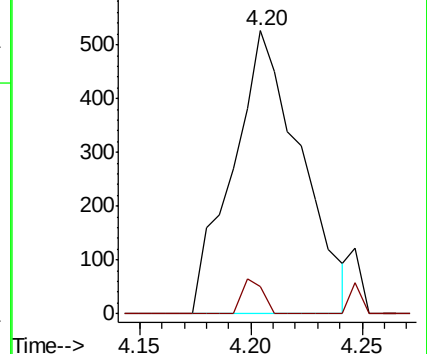
76 100

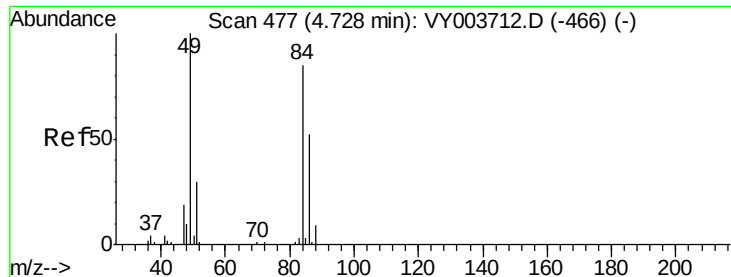
78 9.7 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

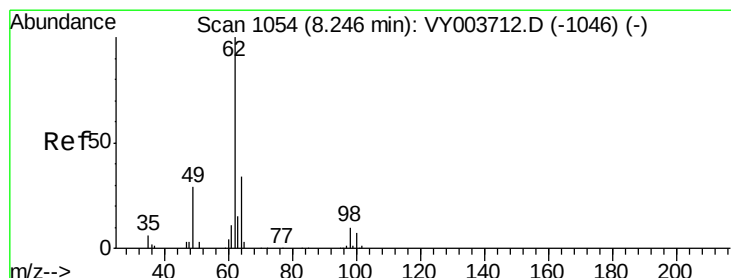
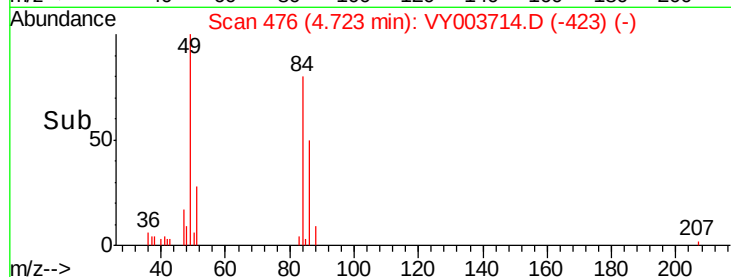
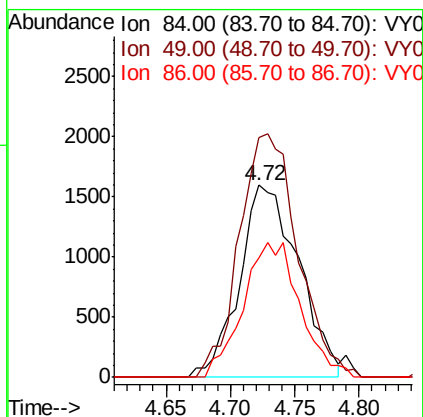
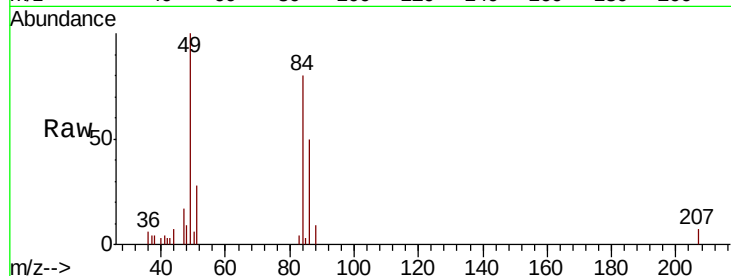




#16
Methylene chloride
Concen: 2.125 ug/L
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VY003714.D
Acq: 10 Dec 2020 13:11

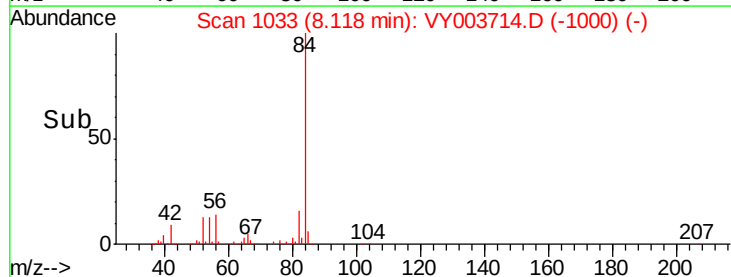
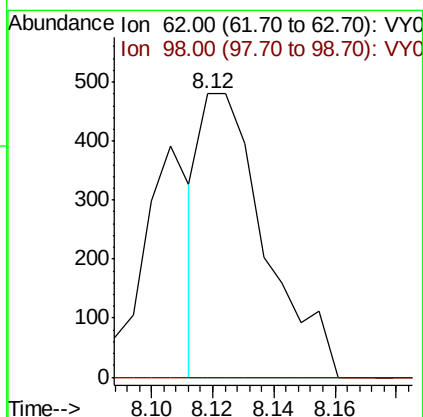
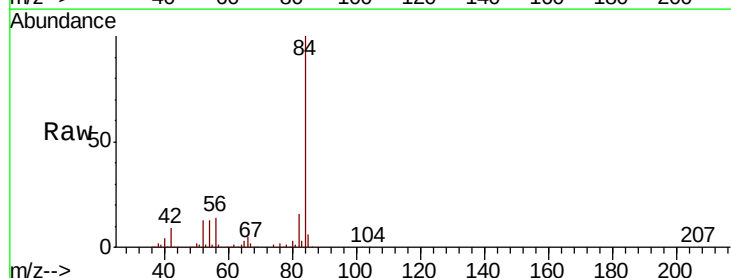
Instrument :
MSVOA_Y
ClientSampled :
GB1F4

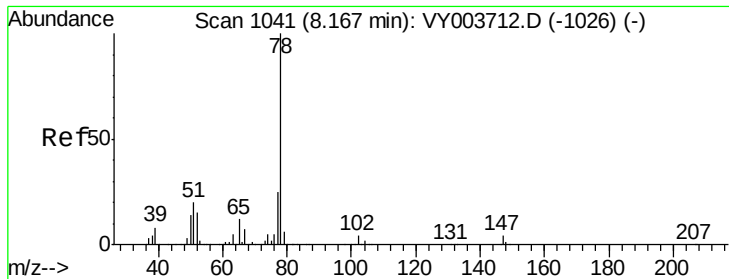
Tot Ion: 84 Resp: 5108
Ion Ratio Lower Upper
84 100
49 120.0 83.7 155.4
86 59.9 45.0 83.6



#27
1,2-Dichloroethane
Concen: 0.332 ug/L
RT: 8.12 min Scan# 1033
Delta R.T. -0.13 min
Lab File: VY003714.D
Acq: 10 Dec 2020 13:11

Tgt Ion: 62 Resp: 703
Ion Ratio Lower Upper
62 100
98 0.0 8.0 12.0#





#34

Benzene

Concen: 0.464 ug/L

RT: 8.17 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VY003714.D

Acq: 10 Dec 2020 13:11

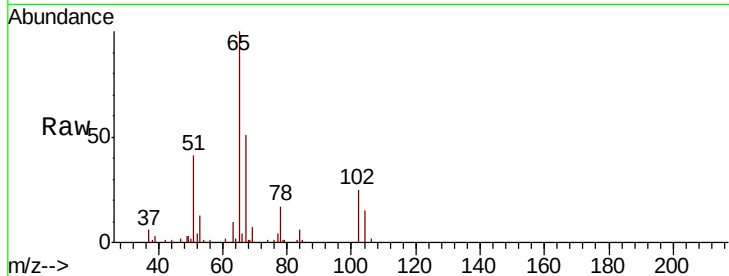
Instrument :

MSVOA_Y

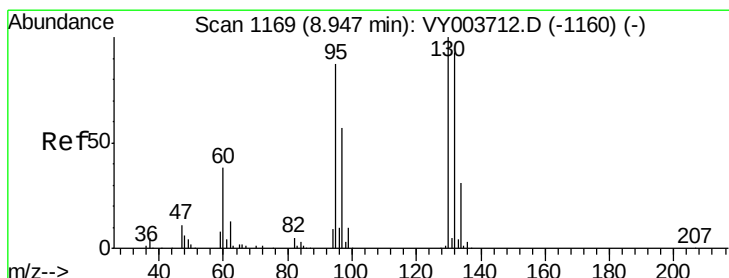
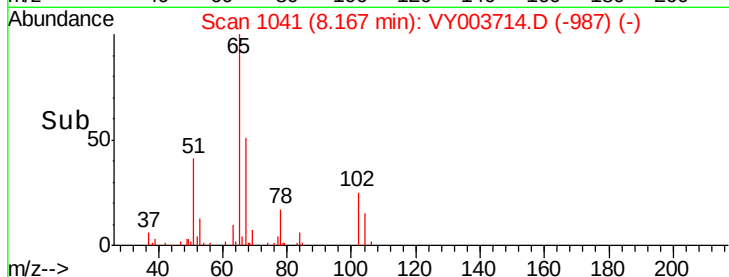
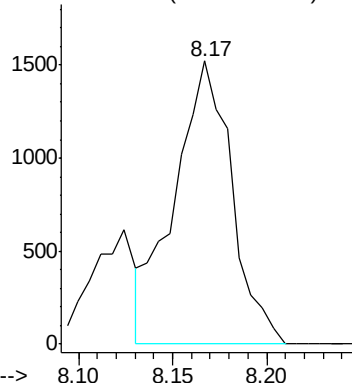
ClientSampleId :

GB1F4

Tgt Ion: 78 Resp: 3212



Abundance Ion 78.00 (77.70 to 78.70): VY0



#35

Trichloroethene

Concen: 2.183 ug/L

RT: 8.69 min Scan# 1127

Delta R.T. -0.26 min

Lab File: VY003714.D

Acq: 10 Dec 2020 13:11

Tgt Ion: 95 Resp: 4152

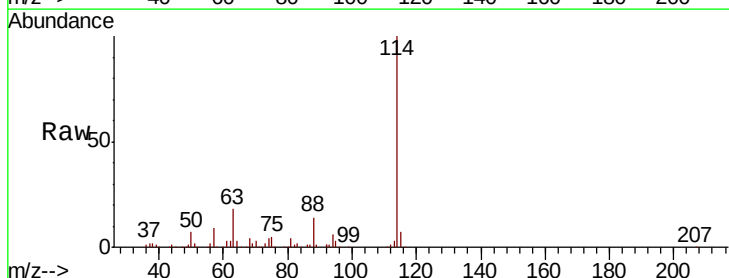
Ion Ratio Lower Upper

95 100

97 0.0 45.8 85.0#

132 0.0 74.2 137.8#

130 0.0 76.2 141.6#

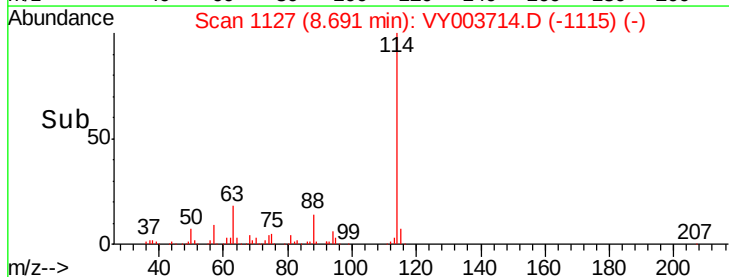
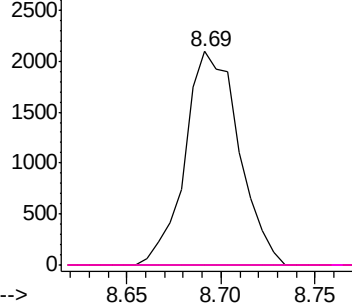


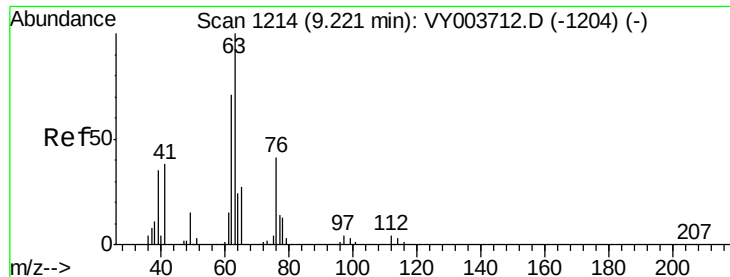
Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#40

1,2-Dichloropropane

Concen: 2.801 ug/L

RT: 9.12 min Scan# 1198

Delta R.T. -0.10 min

Lab File: VY003714.D

Acq: 10 Dec 2020 13:11

Instrument :

MSVOA_Y

ClientSampleId :

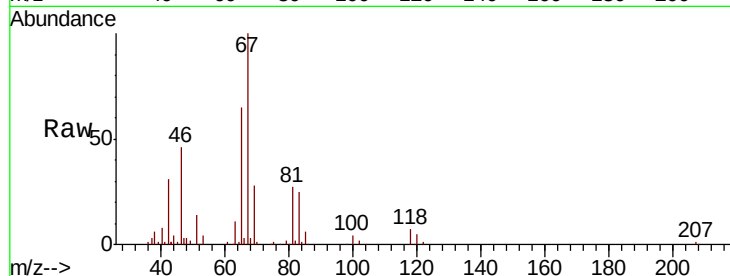
GB1F4

Tot Ion: 63 Resp: 4867

Ion Ratio Lower Upper

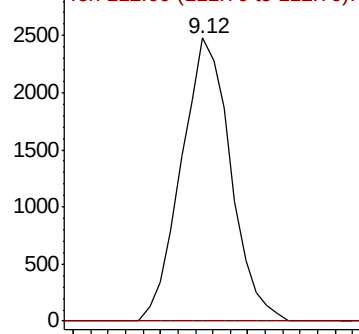
63 100

112 0.0 3.7 5.5#

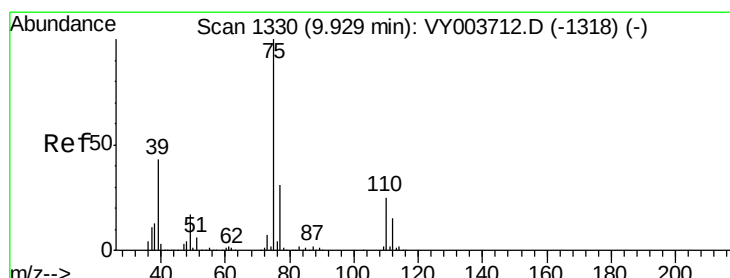
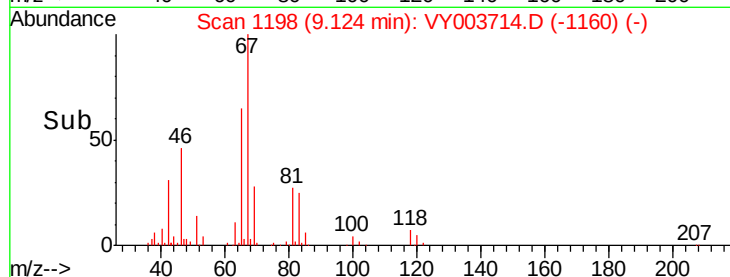


Abundance Ion 63.00 (62.70 to 63.70): VY0

Ion 112.00 (111.70 to 112.70): V



Time--> 9.05 9.10 9.15 9.20



#42

cis-1,3-Dichloropropene

Concen: 0.596 ug/L

RT: 9.89 min Scan# 1324

Delta R.T. -0.04 min

Lab File: VY003714.D

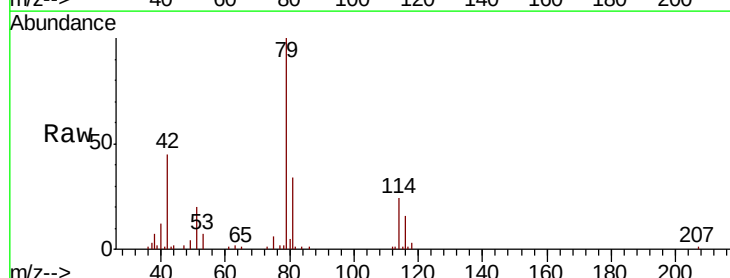
Acq: 10 Dec 2020 13:11

Tgt Ion: 75 Resp: 1630

Ion Ratio Lower Upper

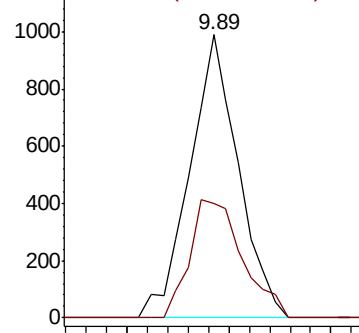
75 100

77 40.5 21.3 39.6#

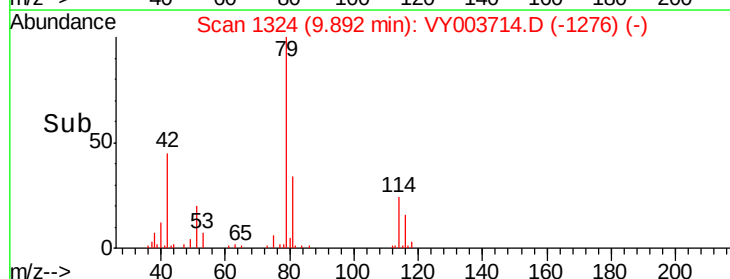


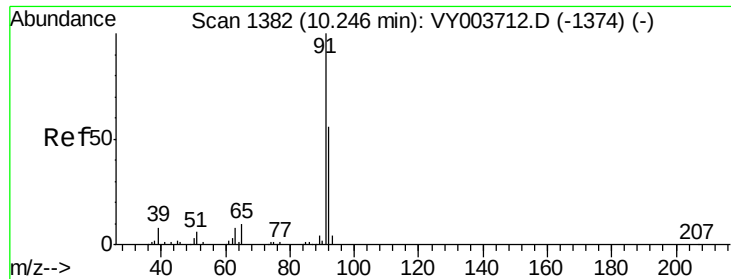
Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



Time--> 9.85 9.90 9.95





#44

Toluene

Concen: 0.619 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003714.D

Acq: 10 Dec 2020 13:11

Instrument :

MSVOA_Y

ClientSampleId :

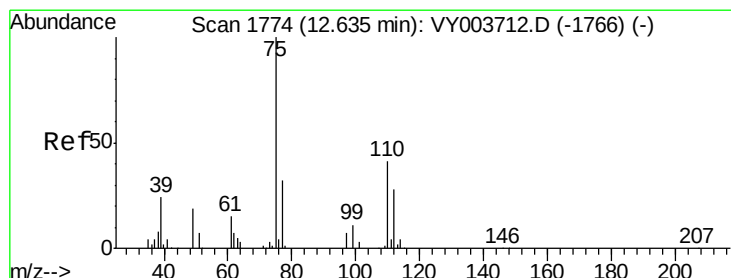
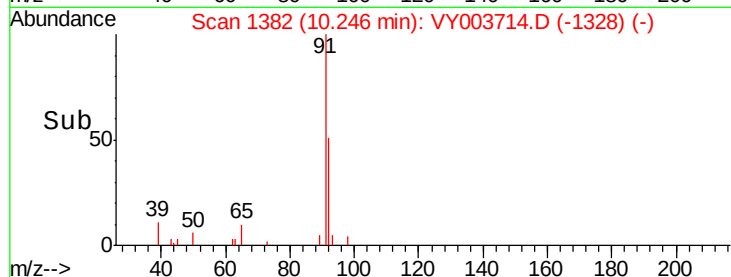
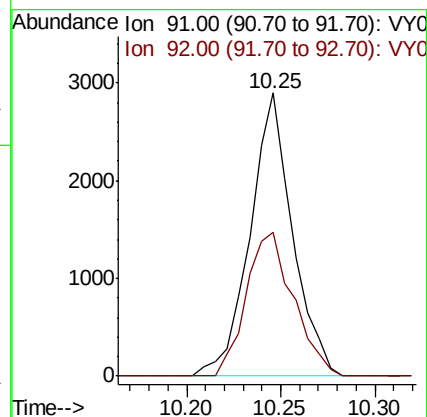
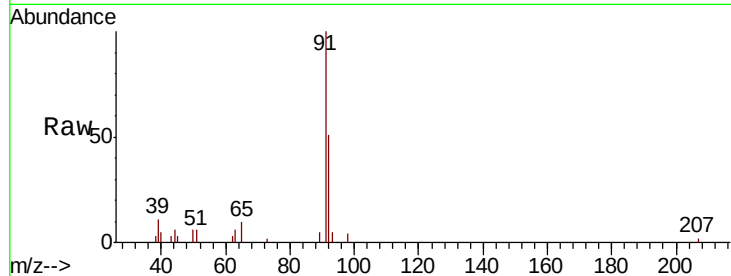
GB1F4

Tot Ion: 91 Resp: 4520

Ion Ratio Lower Upper

91 100

92 50.8 39.8 73.8



#59

1,2,3-Trichloropropane

Concen: 3.534 ug/L

RT: 13.43 min Scan# 1904

Delta R.T. 0.79 min

Lab File: VY003714.D

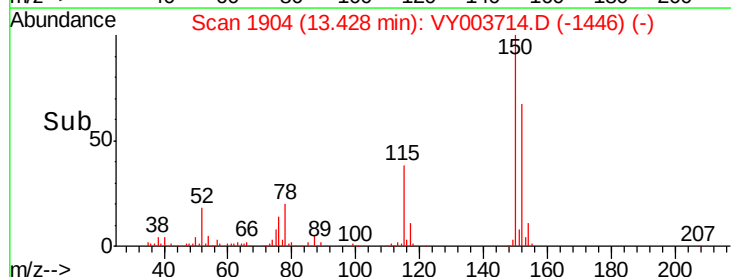
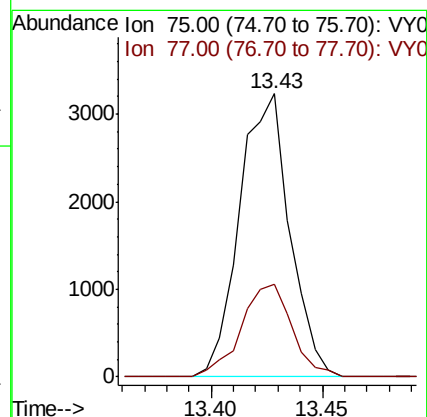
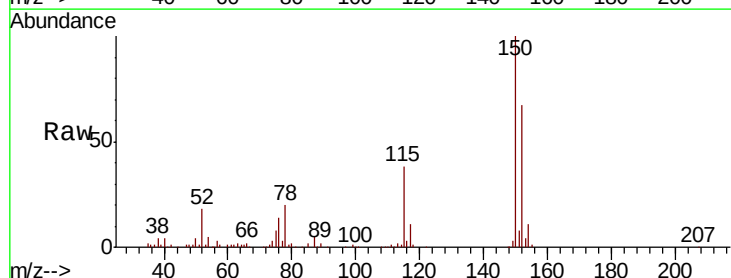
Acq: 10 Dec 2020 13:11

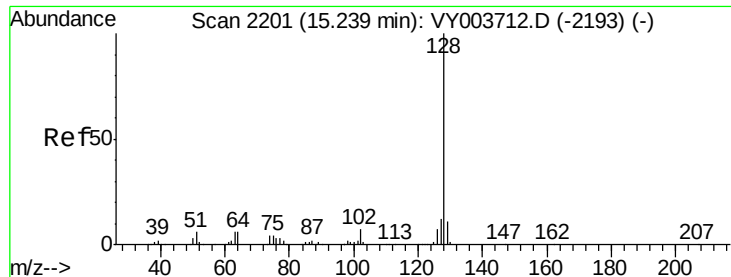
Tgt Ion: 75 Resp: 5074

Ion Ratio Lower Upper

75 100

77 33.2 25.9 38.9





#69

Naphthalene

Concen: 0.276 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. -0.01 min

Lab File: VY003714.D

Acq: 10 Dec 2020 13:11

Instrument :

MSVOA_Y

ClientSampleId :

GB1F4

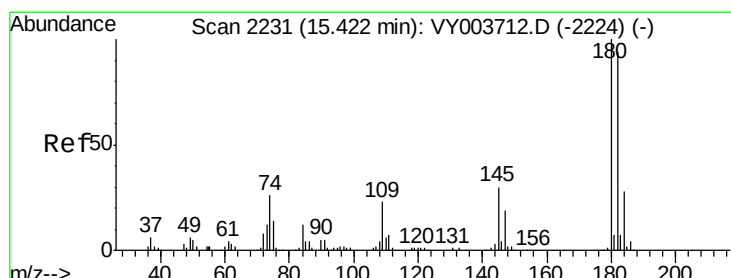
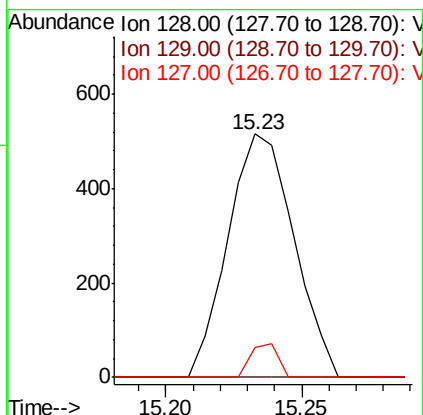
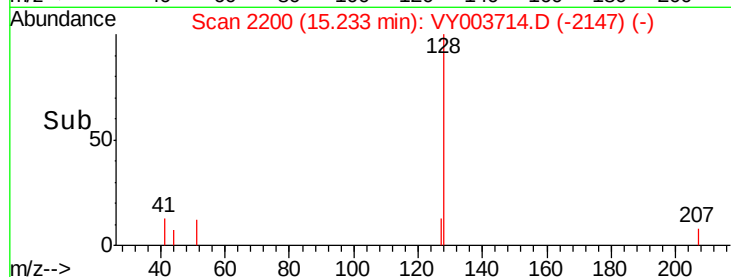
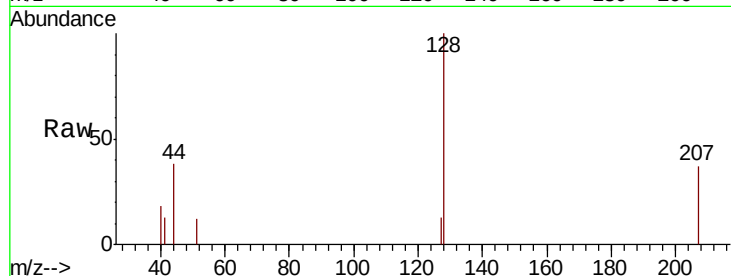
Tot Ion:128 Resp: 867

Ion Ratio Lower Upper

128 100

129 0.0 8.7 13.1#

127 5.8 10.2 15.4#



#70

1,2,3-Trichlorobenzene

Concen: 0.203 ug/L

RT: 15.43 min Scan# 2232

Delta R.T. 0.01 min

Lab File: VY003714.D

Acq: 10 Dec 2020 13:11

Tgt Ion:180 Resp: 278

Ion Ratio Lower Upper

180 100

182 90.3 76.9 115.3

145 14.4 24.2 36.4#

