

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121020\
 Data File : VY003722.D
 Acq On : 10 Dec 2020 16:31
 Operator : SY/MD
 Sample : L4980-05
 Misc : 6.26G/10ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1F0

Quant Time: Dec 11 00:50:38 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	227223	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	211205	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	91393	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	56778	17.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.68%
7) Chloroethane-d5	2.77	69	48139	19.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.44%
10) 1,1-Dichloroethene-d2	3.86	63	88729	14.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.68%
20) 2-Butanone-d5	6.90	46	47498	41.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.92%
24) Chloroform-d	7.49	84	124186	21.24	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.96%
26) 1,2-Dichloroethane-d4	8.15	65	72636	22.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.32%
29) Benzene-d6	8.12	84	265809	21.74	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.96%
33) 1,2-Dichloropropane-d6	9.12	67	80786	22.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.32%
37) Toluene-d8	10.18	98	240277	21.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.68%
38) trans-1,3-Dichloropropene-	10.44	79	38612	22.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.32%
39) 2-Hexanone-d5	10.79	63	42933	47.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.72%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	70806	21.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.84%
61) 1,2-Dichlorobenzene-d4	13.72	152	78301	23.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.32%

Target Compounds

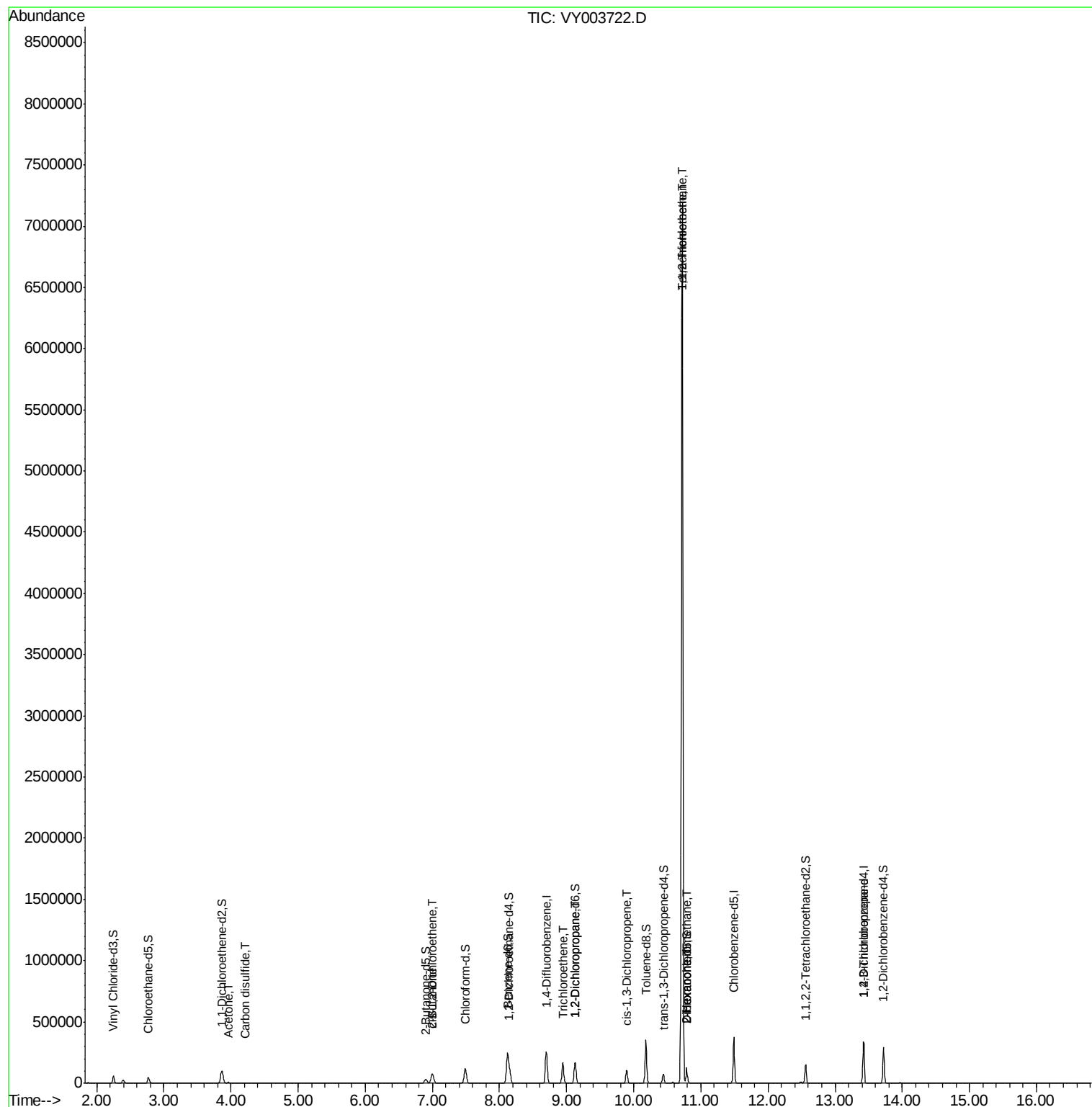
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	3.97	43	5829	6.942	ug/L	97
14) Carbon disulfide	4.20	76	2354	0.260	ug/L #	76
21) 2-Butanone	7.01	43	1116	0.753	ug/L	99
22) cis-1,2-Dichloroethene	7.00	96	50927	15.608	ug/L	91
35) Trichloroethene	8.94	95	52383	15.792	ug/L	98
40) 1,2-Dichloropropane	9.13	63	8976	2.962	ug/L #	86
42) cis-1,3-Dichloropropene	9.90	75	2968	0.622	ug/L	85
46) 1,1,2-Trichloroethane	10.72	97	13036	4.990	ug/L #	1
47) Tetrachloroethene	10.72	164	1500750	580.946	ug/L	93
49) 2-Hexanone	10.79	43	4933	2.466	ug/L #	64
50) Dibromochloromethane	10.79	129	480	0.157	ug/L #	10
59) 1,2,3-Trichloropropane	13.42	75	11055	4.415	ug/L	98

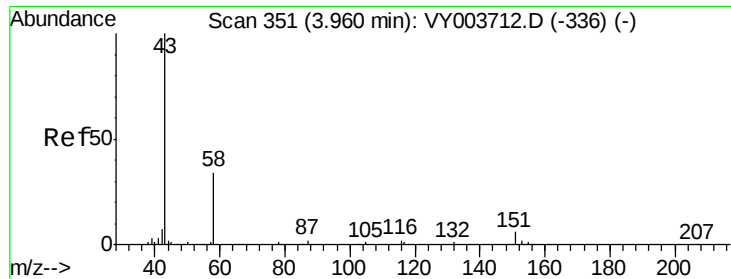
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 11 00:47:58 2020
Response via : Initial Calibration





#13

Acetone

Concen: 6.942 ug/L

RT: 3.97 min Scan# 352

Delta R.T. 0.01 min

Lab File: VY003722.D

Acq: 10 Dec 2020 16:31

Instrument :

MSVOA_Y

ClientSampleId :

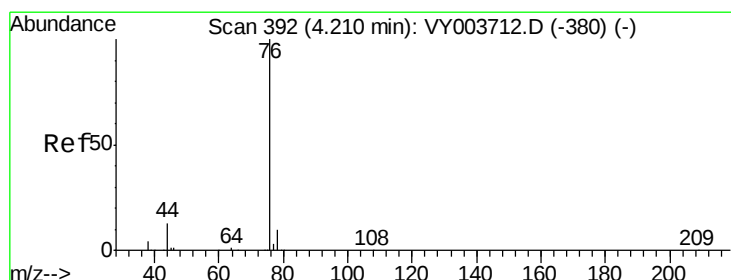
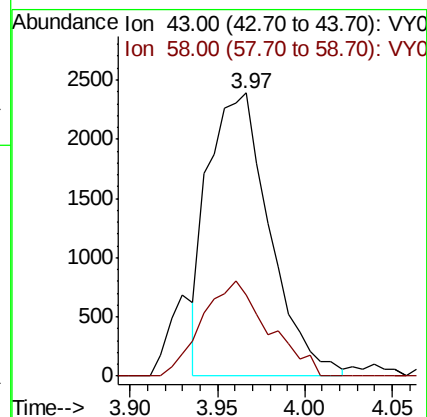
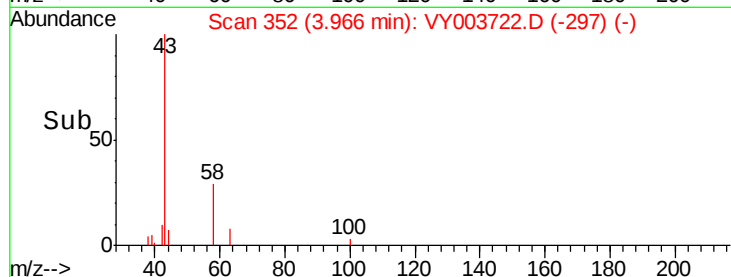
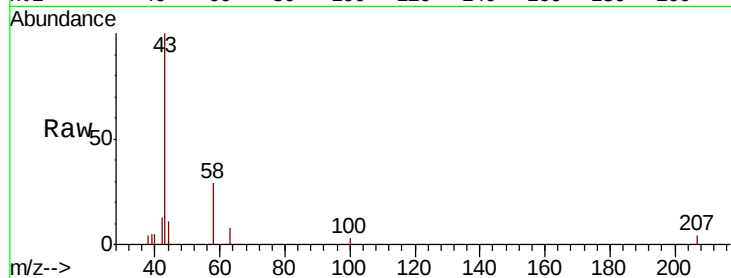
GB1F0

Tot Ion: 43 Resp: 5829

Ion Ratio Lower Upper

43 100

58 36.2 0.0 68.8



#14

Carbon disulfide

Concen: 0.260 ug/L

RT: 4.20 min Scan# 390

Delta R.T. -0.01 min

Lab File: VY003722.D

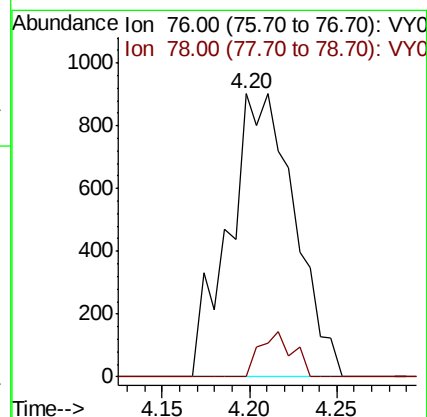
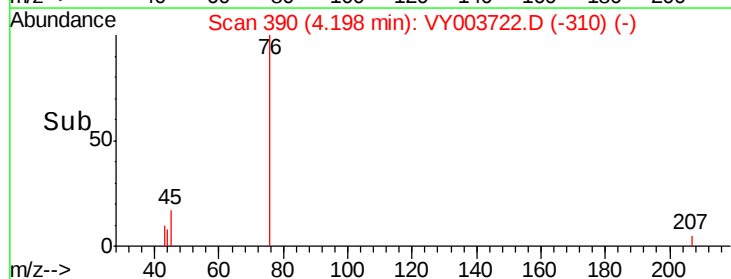
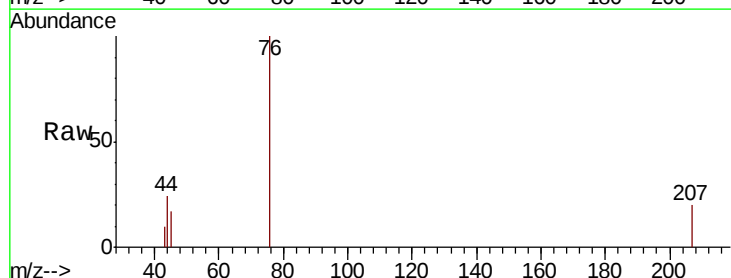
Acq: 10 Dec 2020 16:31

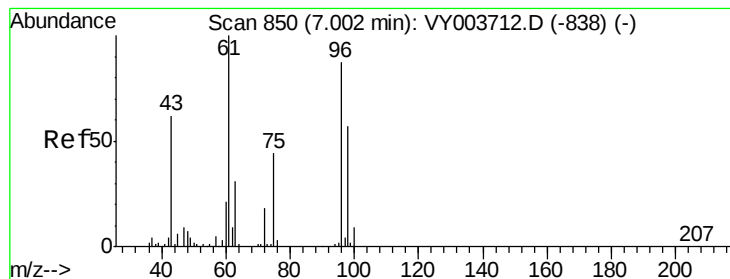
Tgt Ion: 76 Resp: 2354

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#





#21

2-Butanone

Concen: 0.753 ug/L

RT: 7.01 min Scan# 851

Delta R.T. 0.01 min

Lab File: VY003722.D

Acq: 10 Dec 2020 16:31

Instrument :

MSVOA_Y

ClientSampled :

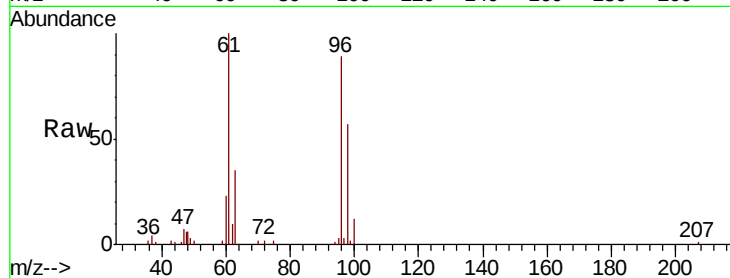
GB1F0

Tot Ion: 43 Resp: 1116

Ion Ratio Lower Upper

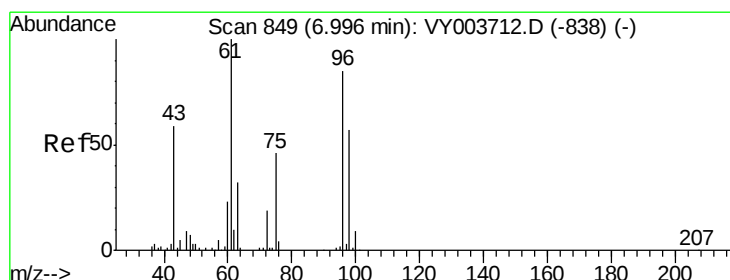
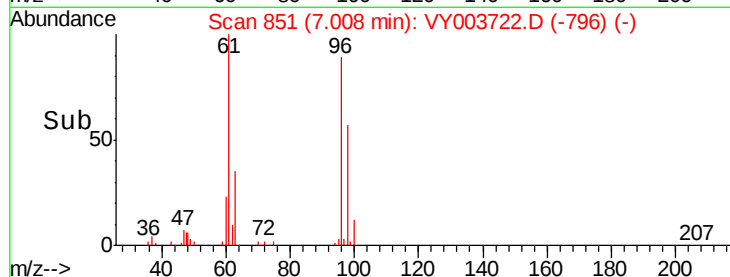
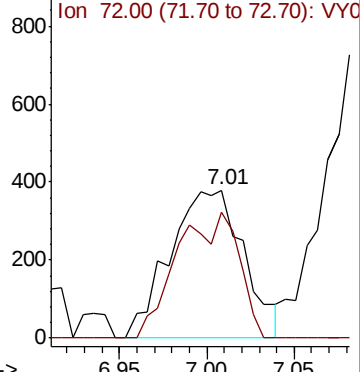
43 100

72 27.2 13.3 39.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#22

cis-1,2-Dichloroethene

Concen: 15.608 ug/L

RT: 7.00 min Scan# 850

Delta R.T. 0.01 min

Lab File: VY003722.D

Acq: 10 Dec 2020 16:31

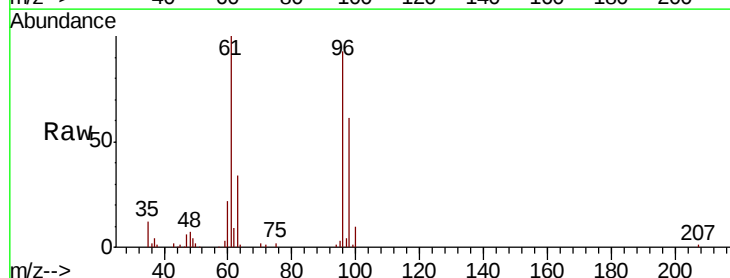
Tgt Ion: 96 Resp: 50927

Ion Ratio Lower Upper

96 100

61 107.2 85.8 159.4

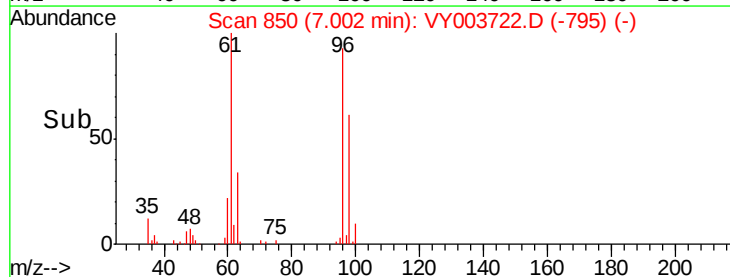
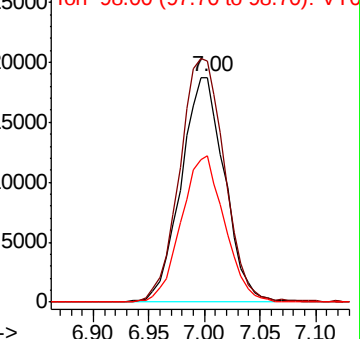
98 65.4 46.5 86.3

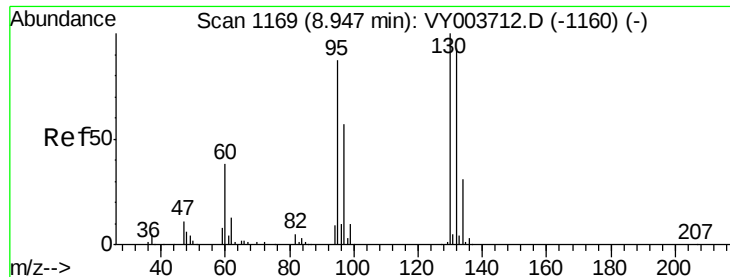


Abundance Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#35

Trichloroethene

Concen: 15.792 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. -0.01 min

Lab File: VY003722.D

Acq: 10 Dec 2020 16:31

Instrument :

MSVOA_Y

ClientSampleId :

GB1F0

Tot Ion: 95 Resp: 52383

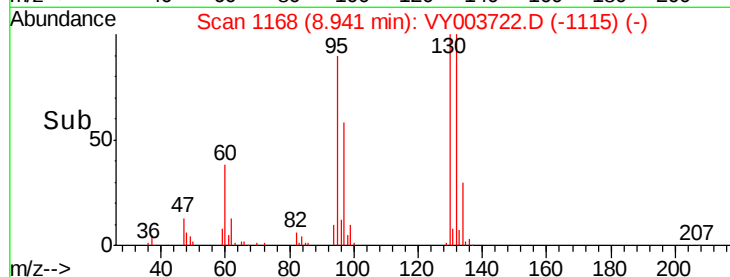
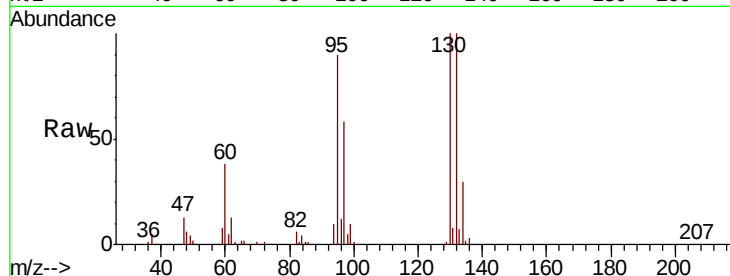
Ion Ratio Lower Upper

95 100

97 64.7 45.8 85.0

132 108.4 74.2 137.8

130 111.2 76.2 141.6

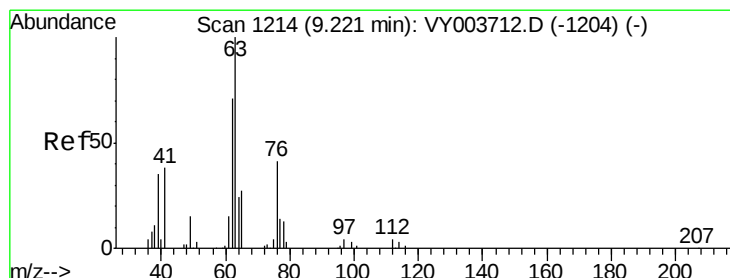
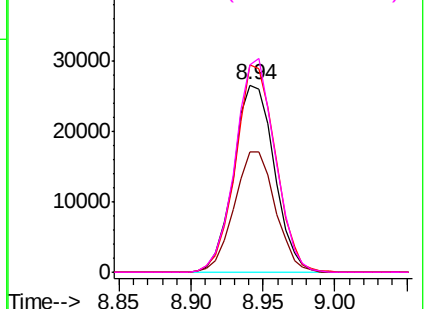


Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#40

1,2-Dichloropropane

Concen: 2.962 ug/L

RT: 9.13 min Scan# 1199

Delta R.T. -0.09 min

Lab File: VY003722.D

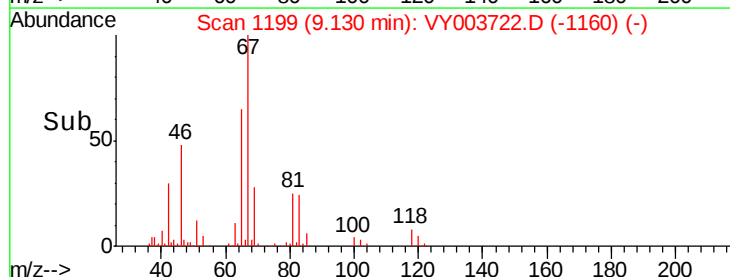
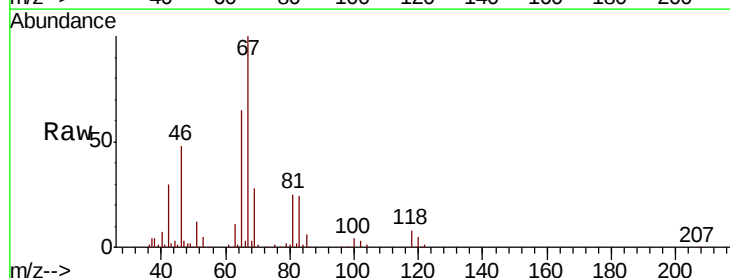
Acq: 10 Dec 2020 16:31

Tgt Ion: 63 Resp: 8976

Ion Ratio Lower Upper

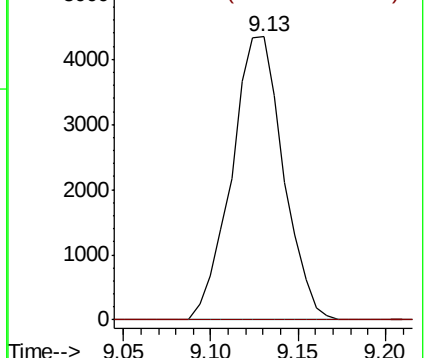
63 100

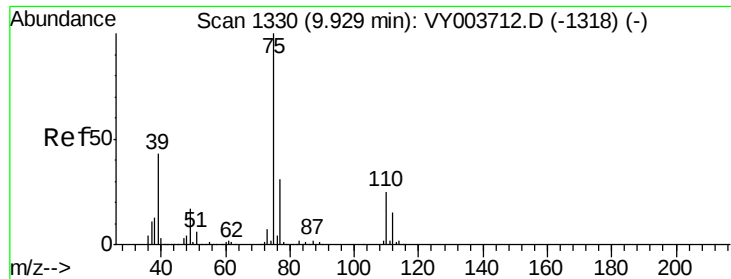
112 0.0 3.7 5.5#



Abundance Ion 63.00 (62.70 to 63.70): VY0

Ion 112.00 (111.70 to 112.70): V



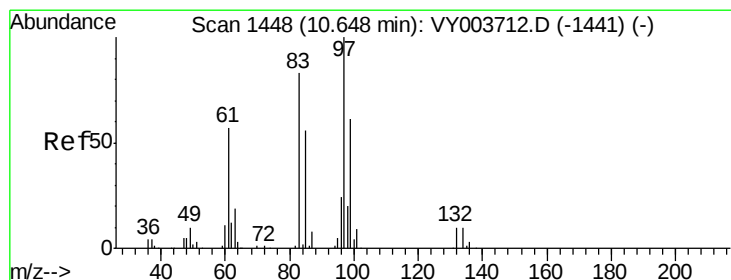
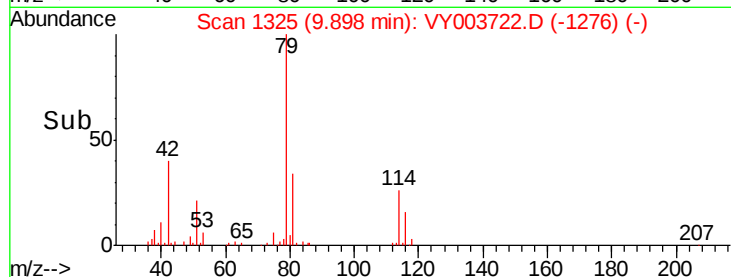
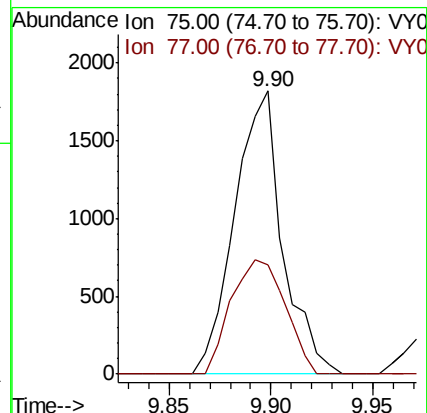
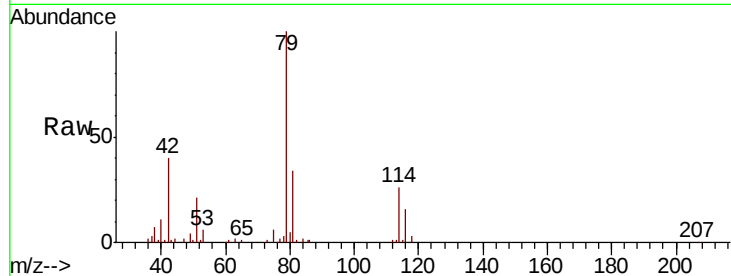


#42

cis-1,3-Dichloropropene
Concen: 0.622 ug/L
RT: 9.90 min Scan# 1325
Delta R.T. -0.03 min
Lab File: VY003722.D
Acq: 10 Dec 2020 16:31

Instrument :
MSVOA_Y
ClientSampled :
GB1F0

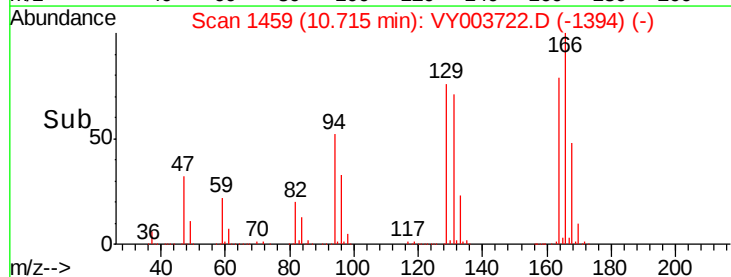
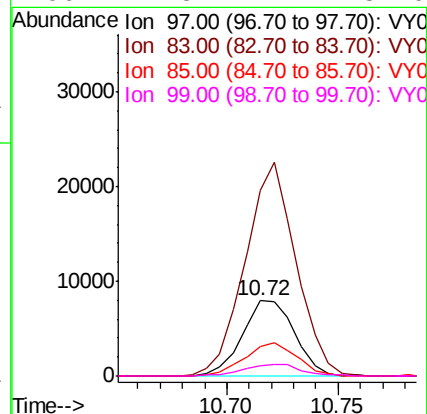
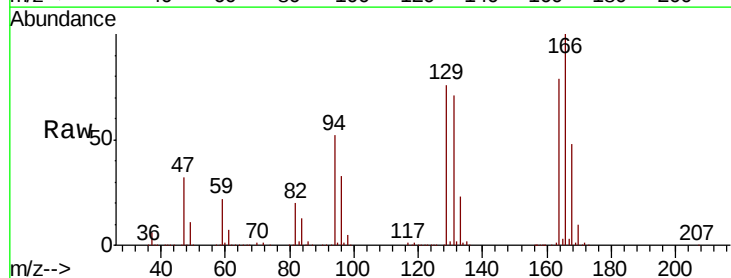
Tot Ion: 75 Resp: 2968
Ion Ratio Lower Upper
75 100
77 38.4 21.3 39.6

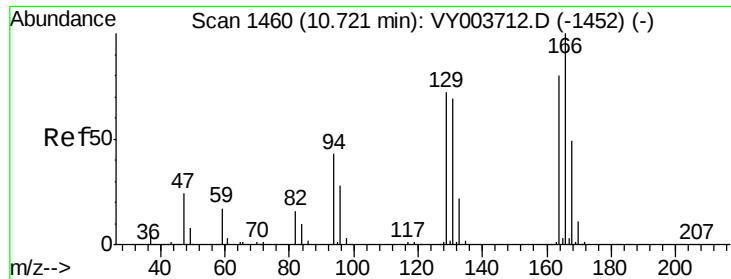


#46

1,1,2-Trichloroethane
Concen: 4.990 ug/L
RT: 10.72 min Scan# 1459
Delta R.T. 0.07 min
Lab File: VY003722.D
Acq: 10 Dec 2020 16:31

Tgt Ion: 97 Resp: 13036
Ion Ratio Lower Upper
97 100
83 246.0 59.6 110.8#
85 39.3 40.2 74.6#
99 14.3 44.7 82.9#

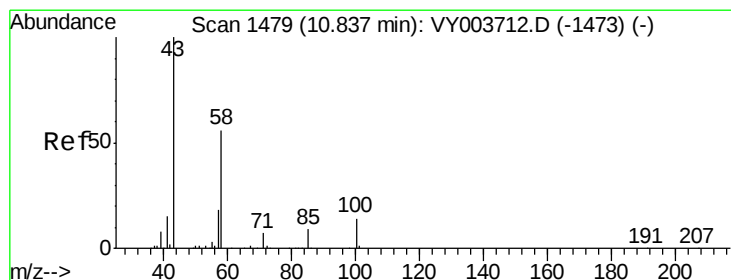
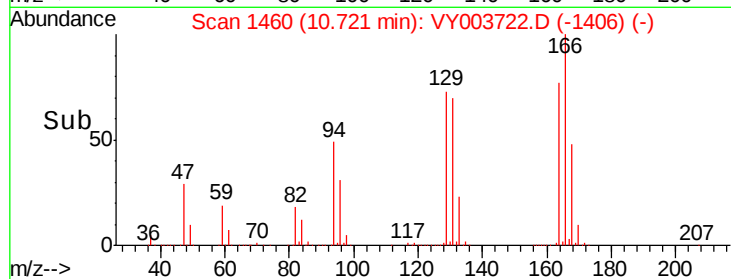
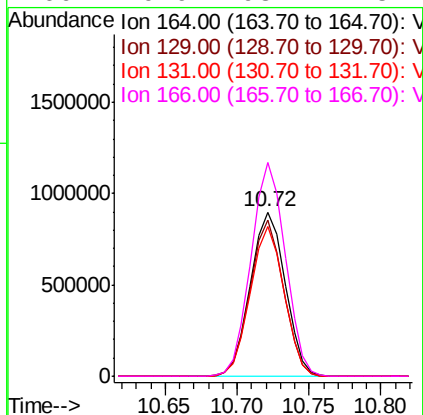
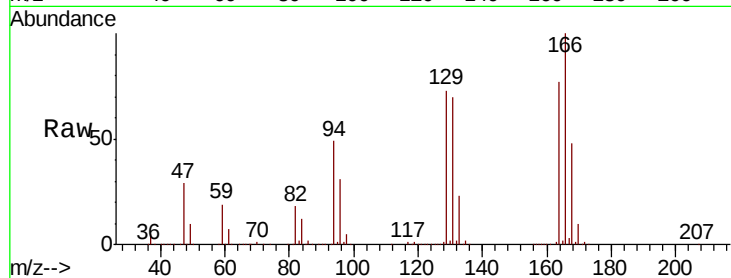




#47
Tetrachloroethene
Concen: 580.946 ug/L
RT: 10.72 min Scan# 1460
Delta R.T. 0.00 min
Lab File: VY003722.D
Acq: 10 Dec 2020 16:31

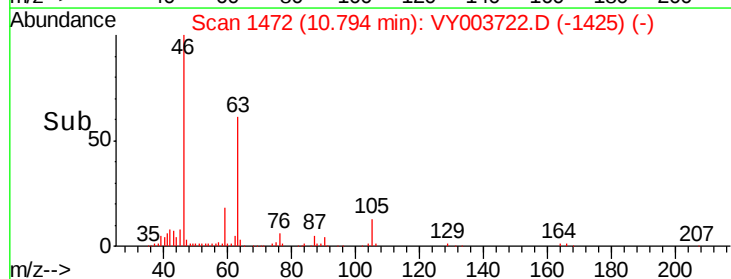
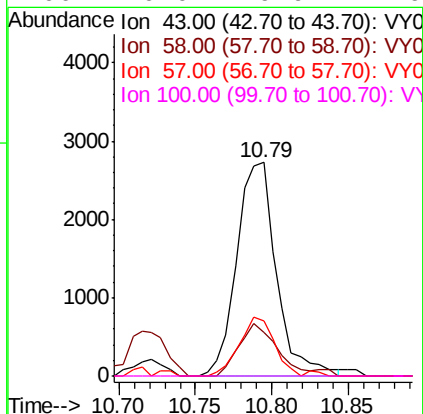
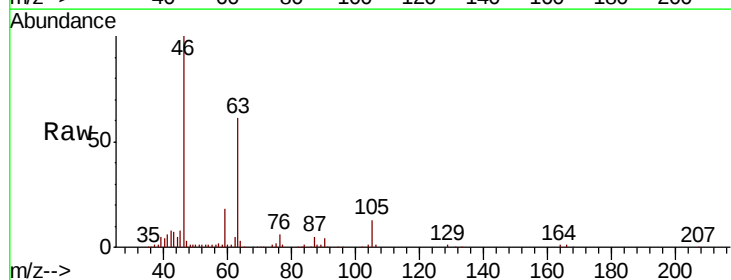
Instrument :
MSVOA_Y
ClientSampled :
GB1F0

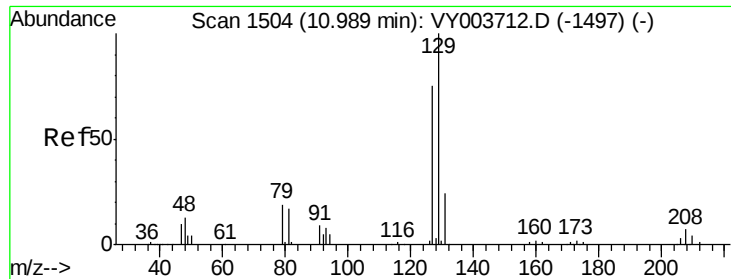
Tot Ion:164 Resp: 1500750
Ion Ratio Lower Upper
164 100
129 94.8 59.6 110.6
131 91.2 57.9 107.5
166 129.9 93.2 173.2



#49
2-Hexanone
Concen: 2.466 ug/L
RT: 10.79 min Scan# 1472
Delta R.T. -0.04 min
Lab File: VY003722.D
Acq: 10 Dec 2020 16:31

Tgt Ion: 43 Resp: 4933
Ion Ratio Lower Upper
43 100
58 23.5 44.8 67.2#
57 24.2 14.8 22.2#
100 0.0 9.9 14.9#





#50

Dibromochloromethane

Concen: 0.157 ug/L

RT: 10.79 min Scan# 1471

Delta R.T. -0.20 min

Lab File: VY003722.D

Acq: 10 Dec 2020 16:31

Instrument :

MSVOA_Y

ClientSampleId :

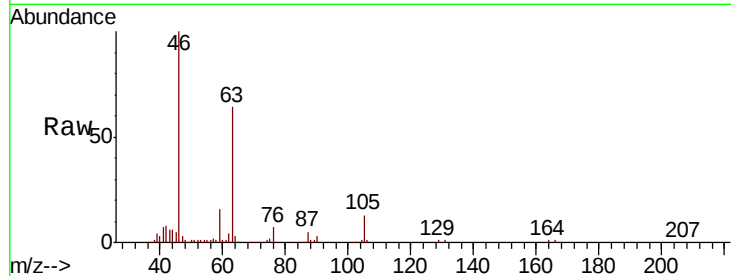
GB1F0

Tot Ion:129 Resp: 480

Ion Ratio Lower Upper

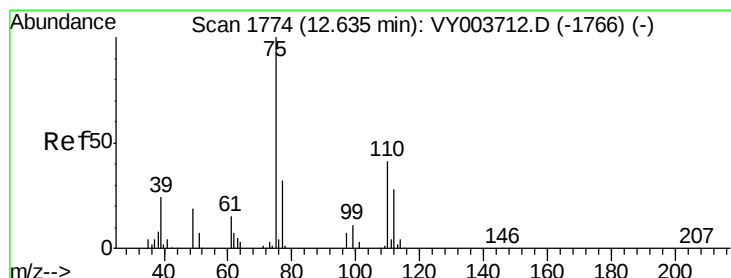
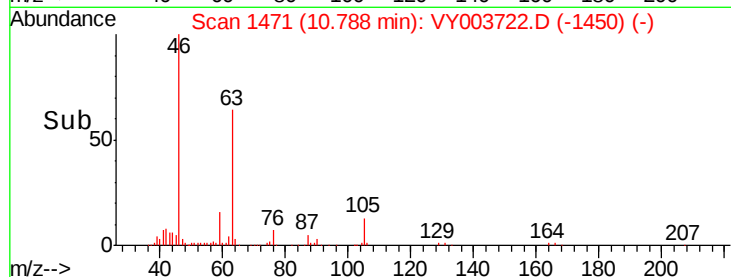
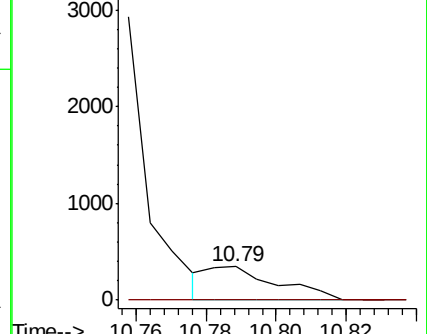
129 100

127 0.0 54.8 101.8#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 4.415 ug/L

RT: 13.42 min Scan# 1903

Delta R.T. 0.79 min

Lab File: VY003722.D

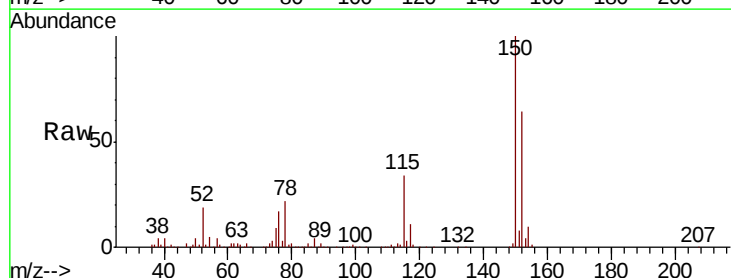
Acq: 10 Dec 2020 16:31

Tgt Ion: 75 Resp: 11055

Ion Ratio Lower Upper

75 100

77 31.4 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

