

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121020\
 Data File : VY003721.D
 Acq On : 10 Dec 2020 16:08
 Operator : SY/MD
 Sample : L4980-03RE
 Misc : 5.18G/10ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1E8RE

Quant Time: Dec 11 00:50:30 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	260670	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	193262	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	51232	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	58807	15.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.80%
7) Chloroethane-d5	2.77	69	51899	18.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.64%
10) 1,1-Dichloroethene-d2	3.86	63	87090	12.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	50.20%
20) 2-Butanone-d5	6.90	46	44591	33.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	67.86%
24) Chloroform-d	7.49	84	124745	18.60	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	74.40%
26) 1,2-Dichloroethane-d4	8.15	65	71371	18.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	75.64%
29) Benzene-d6	8.12	84	251700	22.50	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.00%
33) 1,2-Dichloropropane-d6	9.13	67	78619	23.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.00%
37) Toluene-d8	10.18	98	204117	20.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.40%
38) trans-1,3-Dichloropropene-	10.44	79	34567	21.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.36%
39) 2-Hexanone-d5	10.79	63	36036	43.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.88%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	58215	19.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	78.92%
61) 1,2-Dichlorobenzene-d4	13.72	152	34082	18.31	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	73.24%#

Target Compounds

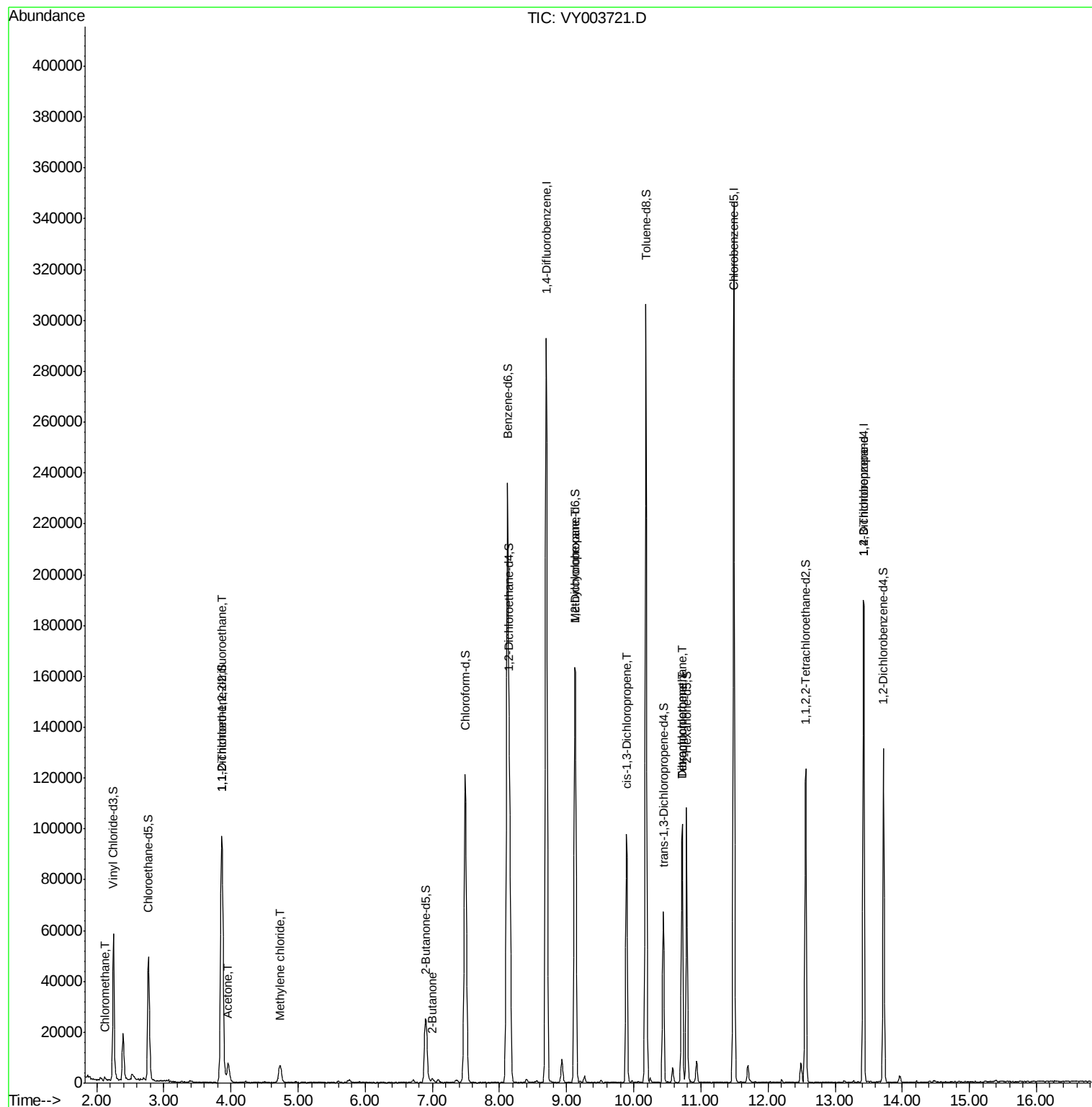
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	2.11	50	1033	0.325	ug/L #	78
11) 1,1,2-Trichloro-1,2,2-trif	3.86	101	960	0.290	ug/L #	17
13) Acetone	3.95	43	11954	12.409	ug/L	98
16) Methylene chloride	4.73	84	5044	1.102	ug/L	95
21) 2-Butanone	7.00	43	2335	1.373	ug/L #	61
36) Methylcyclohexane	9.13	83	19408	4.172	ug/L #	21
42) cis-1,3-Dichloropropene	9.89	75	2874	0.659	ug/L #	76
47) Tetrachloroethene	10.72	164	23065	9.757	ug/L	95
50) Dibromochloromethane	10.72	129	19871	7.103	ug/L #	10
59) 1,2,3-Trichloropropane	13.42	75	5872	2.563	ug/L	94

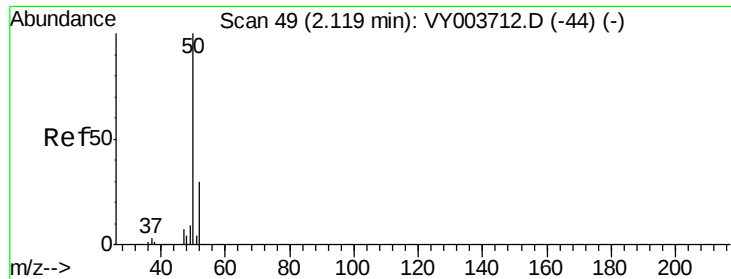
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#3

Chloromethane

Concen: 0.325 ug/L

RT: 2.11 min Scan# 48

Delta R.T. -0.01 min

Lab File: VY003721.D

Acq: 10 Dec 2020 16:08

Instrument :

MSVOA_Y

ClientSampleId :

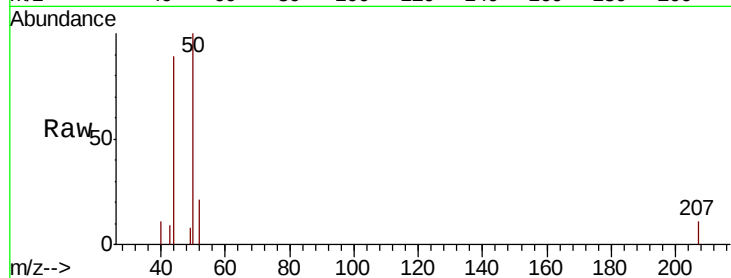
GB1E8RE

Tot Ion: 50 Resp: 1033

Ion Ratio Lower Upper

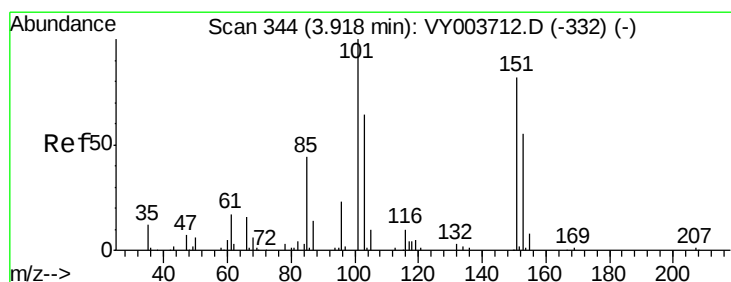
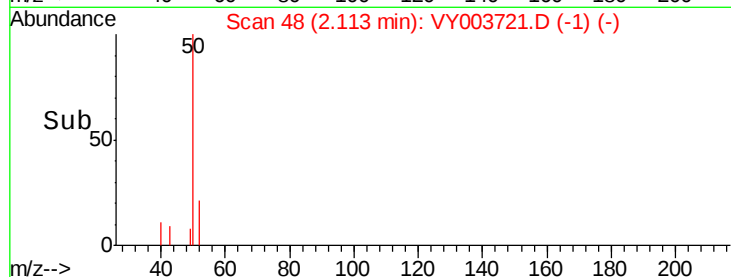
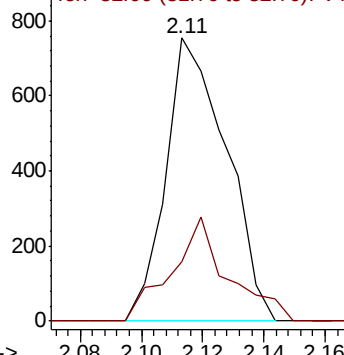
50 100

52 20.8 23.1 42.9#



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.290 ug/L

RT: 3.86 min Scan# 335

Delta R.T. -0.05 min

Lab File: VY003721.D

Acq: 10 Dec 2020 16:08

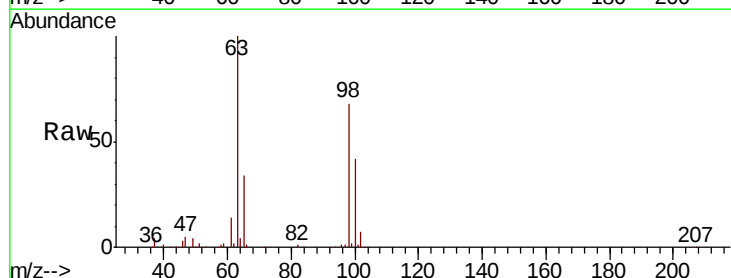
Tgt Ion: 101 Resp: 960

Ion Ratio Lower Upper

101 100

85 0.0 33.9 50.9#

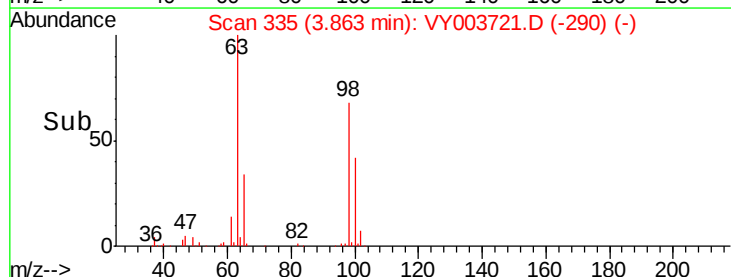
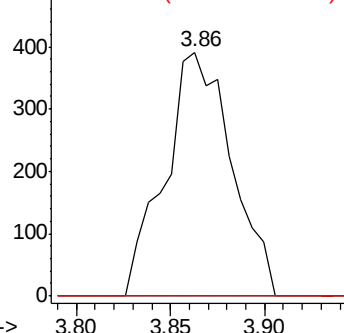
151 0.0 65.0 97.4#

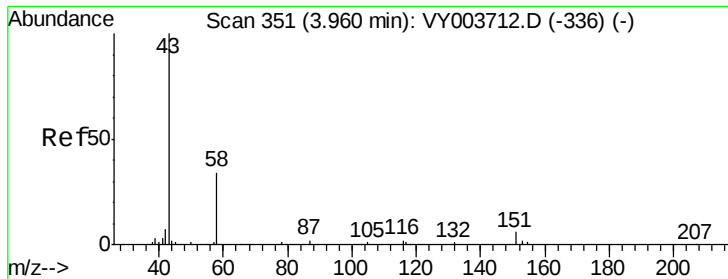


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VY0

Ion 151.00 (150.70 to 151.70): V





#13

Acetone

Concen: 12.409 ug/L

RT: 3.95 min Scan# 350

Delta R.T. -0.01 min

Lab File: VY003721.D

Acq: 10 Dec 2020 16:08

Instrument :

MSVOA_Y

ClientSampleId :

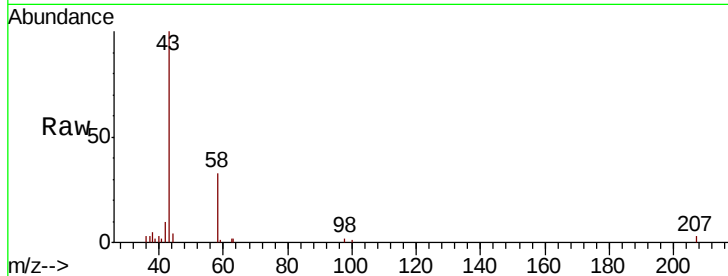
GB1E8RE

Tot Ion: 43 Resp: 11954

Ion Ratio Lower Upper

43 100

58 35.7 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.95

4000

3000

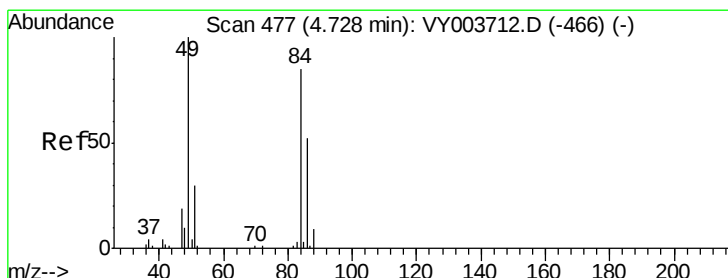
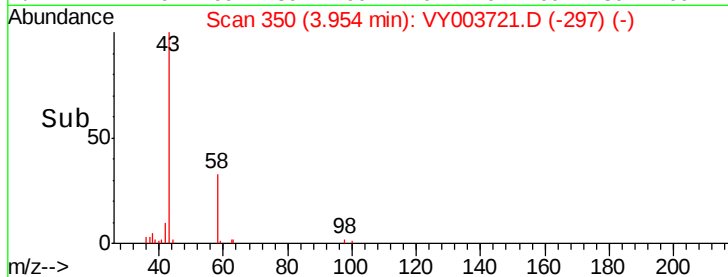
2000

1000

0

Time-->

3.90 4.00



#16

Methylene chloride

Concen: 1.102 ug/L

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VY003721.D

Acq: 10 Dec 2020 16:08

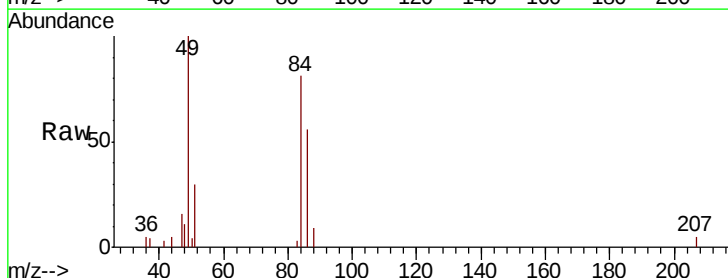
Tgt Ion: 84 Resp: 5044

Ion Ratio Lower Upper

84 100

49 124.0 83.7 155.4

86 69.7 45.0 83.6



Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

2500

2000

1500

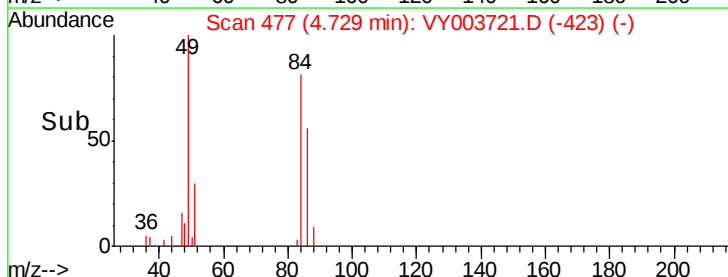
1000

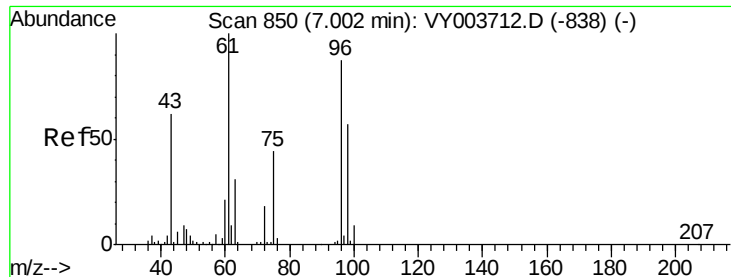
500

0

Time-->

4.65 4.70 4.75 4.80





#21

2-Butanone

Concen: 1.373 ug/L

RT: 7.00 min Scan# 849

Delta R.T. -0.01 min

Lab File: VY003721.D

Acq: 10 Dec 2020 16:08

Instrument :

MSVOA_Y

ClientSampleId :

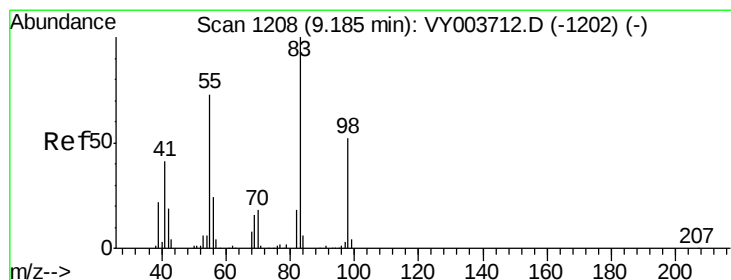
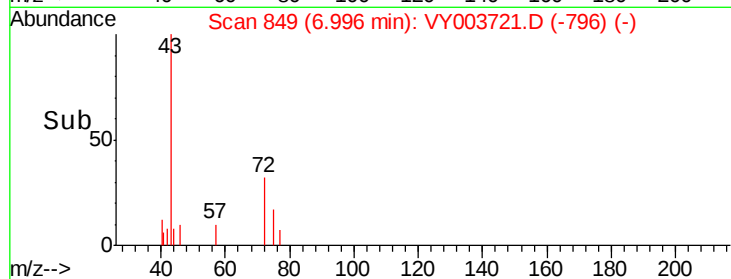
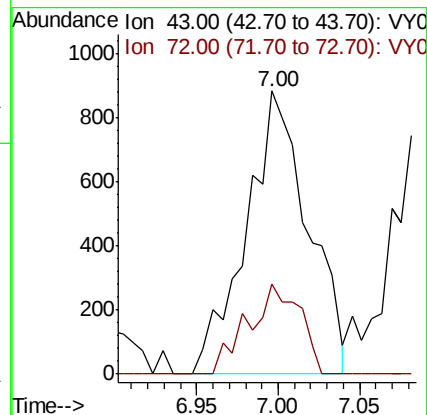
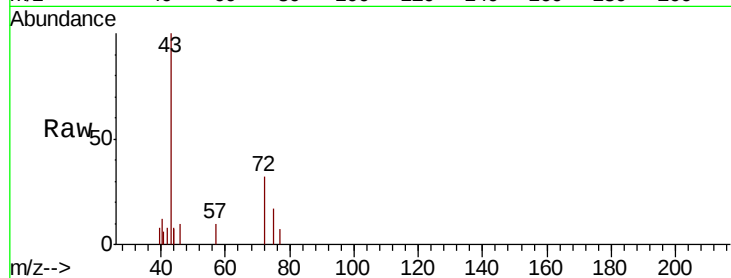
GB1E8RE

Tot Ion: 43 Resp: 2335

Ion Ratio Lower Upper

43 100

72 6.4 13.3 39.9#



#36

Methylcyclohexane

Concen: 4.172 ug/L

RT: 9.13 min Scan# 1199

Delta R.T. -0.05 min

Lab File: VY003721.D

Acq: 10 Dec 2020 16:08

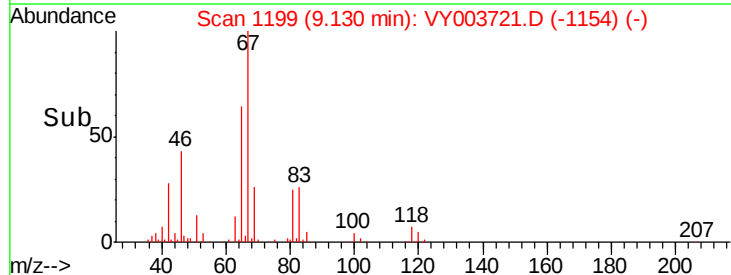
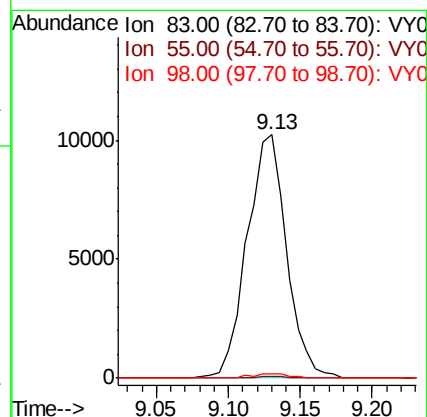
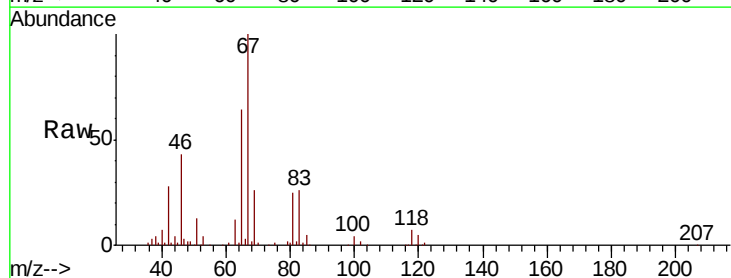
Tgt Ion: 83 Resp: 19408

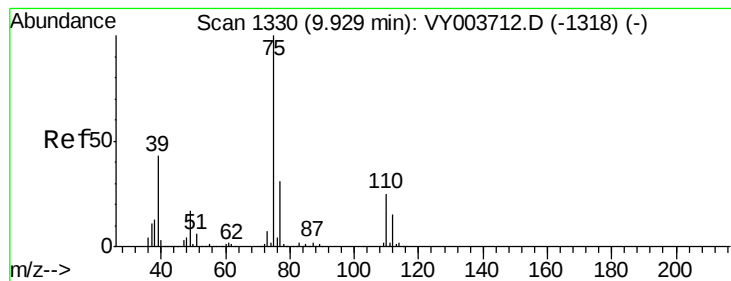
Ion Ratio Lower Upper

83 100

55 0.4 56.4 84.6#

98 1.7 40.3 60.5#



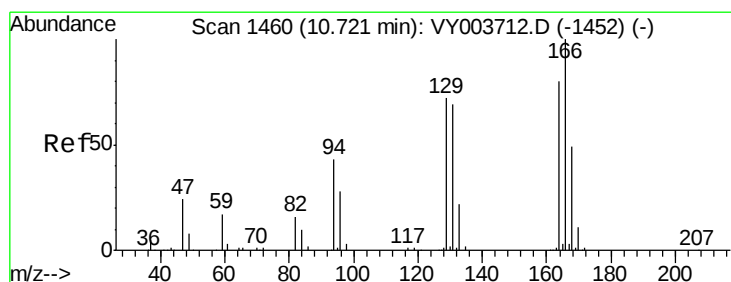
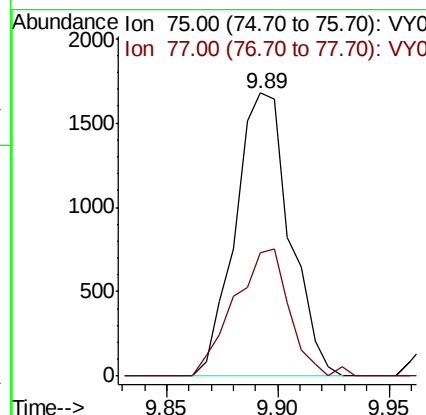
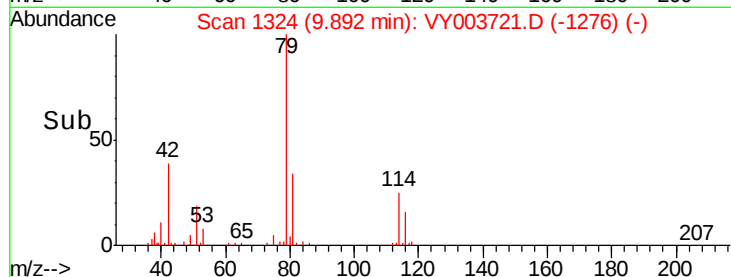
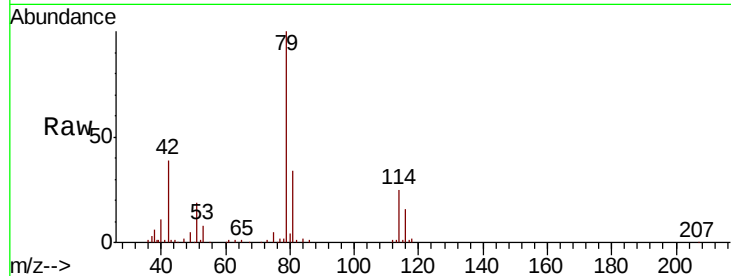


#42

cis-1,3-Dichloropropene
Concen: 0.659 ug/L
RT: 9.89 min Scan# 1324
Delta R.T. -0.04 min
Lab File: VY003721.D
Acq: 10 Dec 2020 16:08

Instrument :
MSVOA_Y
ClientSampleId :
GB1E8RE

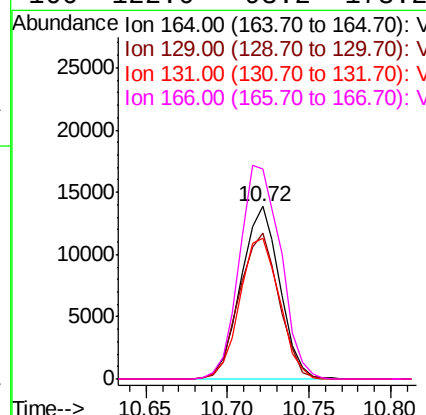
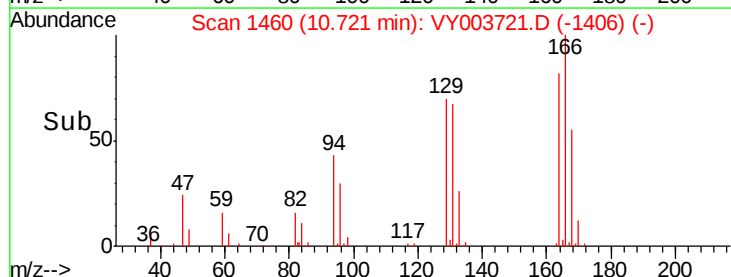
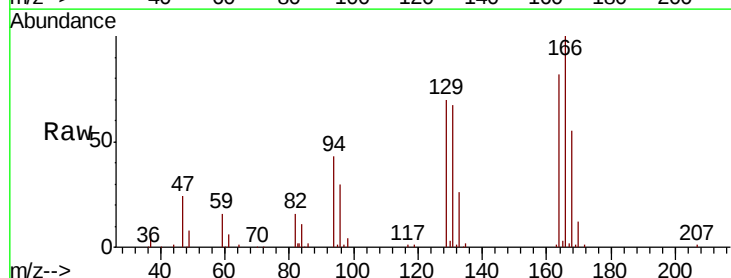
Tot Ion: 75 Resp: 2874
Ion Ratio Lower Upper
75 100
77 43.8 21.3 39.6#

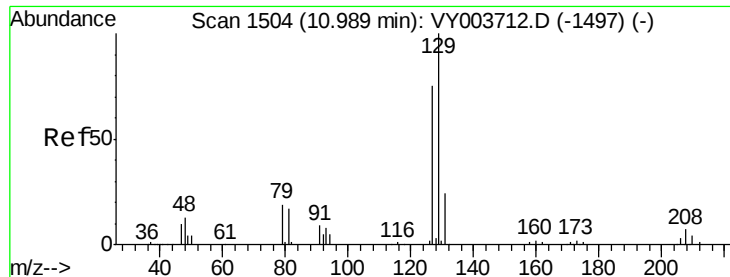


#47

Tetrachloroethene
Concen: 9.757 ug/L
RT: 10.72 min Scan# 1460
Delta R.T. 0.00 min
Lab File: VY003721.D
Acq: 10 Dec 2020 16:08

Tgt Ion: 164 Resp: 23065
Ion Ratio Lower Upper
164 100
129 84.9 59.6 110.6
131 81.4 57.9 107.5
166 122.0 93.2 173.2





#50

Dibromochloromethane

Concen: 7.103 ug/L

RT: 10.72 min Scan# 1460

Delta R.T. -0.27 min

Lab File: VY003721.D

Acq: 10 Dec 2020 16:08

Instrument :

MSVOA_Y

ClientSampleId :

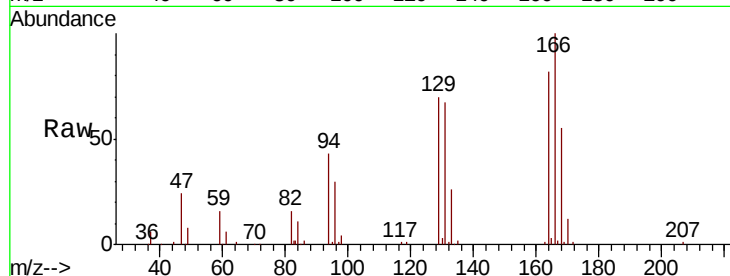
GB1E8RE

Tot Ion:129 Resp: 19871

Ion Ratio Lower Upper

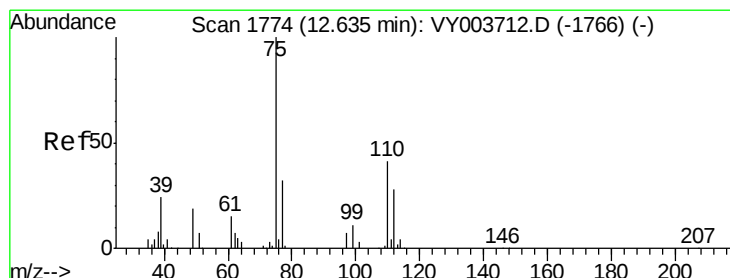
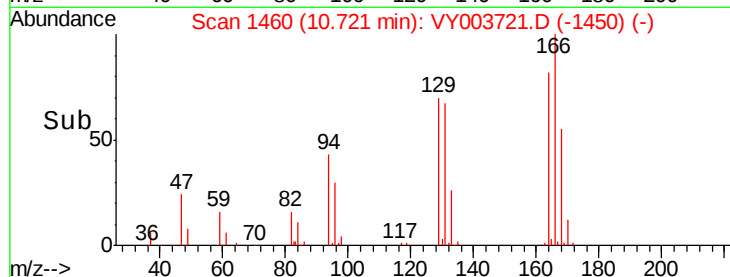
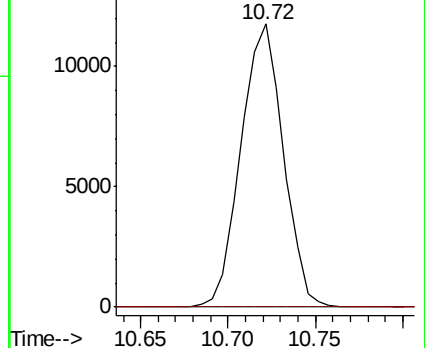
129 100

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: 2.563 ug/L

RT: 13.42 min Scan# 1903

Delta R.T. 0.79 min

Lab File: VY003721.D

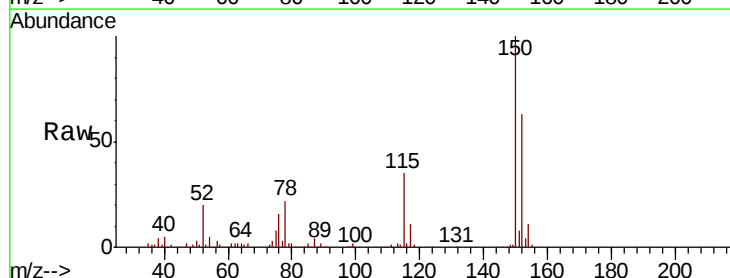
Acq: 10 Dec 2020 16:08

Tgt Ion: 75 Resp: 5872

Ion Ratio Lower Upper

75 100

77 36.0 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

