

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121020\
 Data File : VY003717.D
 Acq On : 10 Dec 2020 14:19
 Operator : SY/MD
 Sample : L4980-03
 Misc : 5.70G/10ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1E8

Quant Time: Dec 11 00:49:58 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	188716	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	141508	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	34652	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	56344	21.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.44%
7) Chloroethane-d5	2.77	69	49272	24.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.88%
10) 1,1-Dichloroethene-d2	3.86	63	87172	17.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.44%
20) 2-Butanone-d5	6.90	46	49092	51.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.20%
24) Chloroform-d	7.49	84	122623	25.25	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	8.15	65	70412	25.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.08%
29) Benzene-d6	8.12	84	249348	30.44	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	121.76%
33) 1,2-Dichloropropane-d6	9.12	67	77552	31.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	127.96%#
37) Toluene-d8	10.18	98	203906	27.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	111.08%
38) trans-1,3-Dichloropropene-	10.44	79	34212	29.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	118.12%
39) 2-Hexanone-d5	10.79	63	40257	66.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	132.56%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	63396	29.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.40%
61) 1,2-Dichlorobenzene-d4	13.72	152	32639	25.92	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.68%

Target Compounds

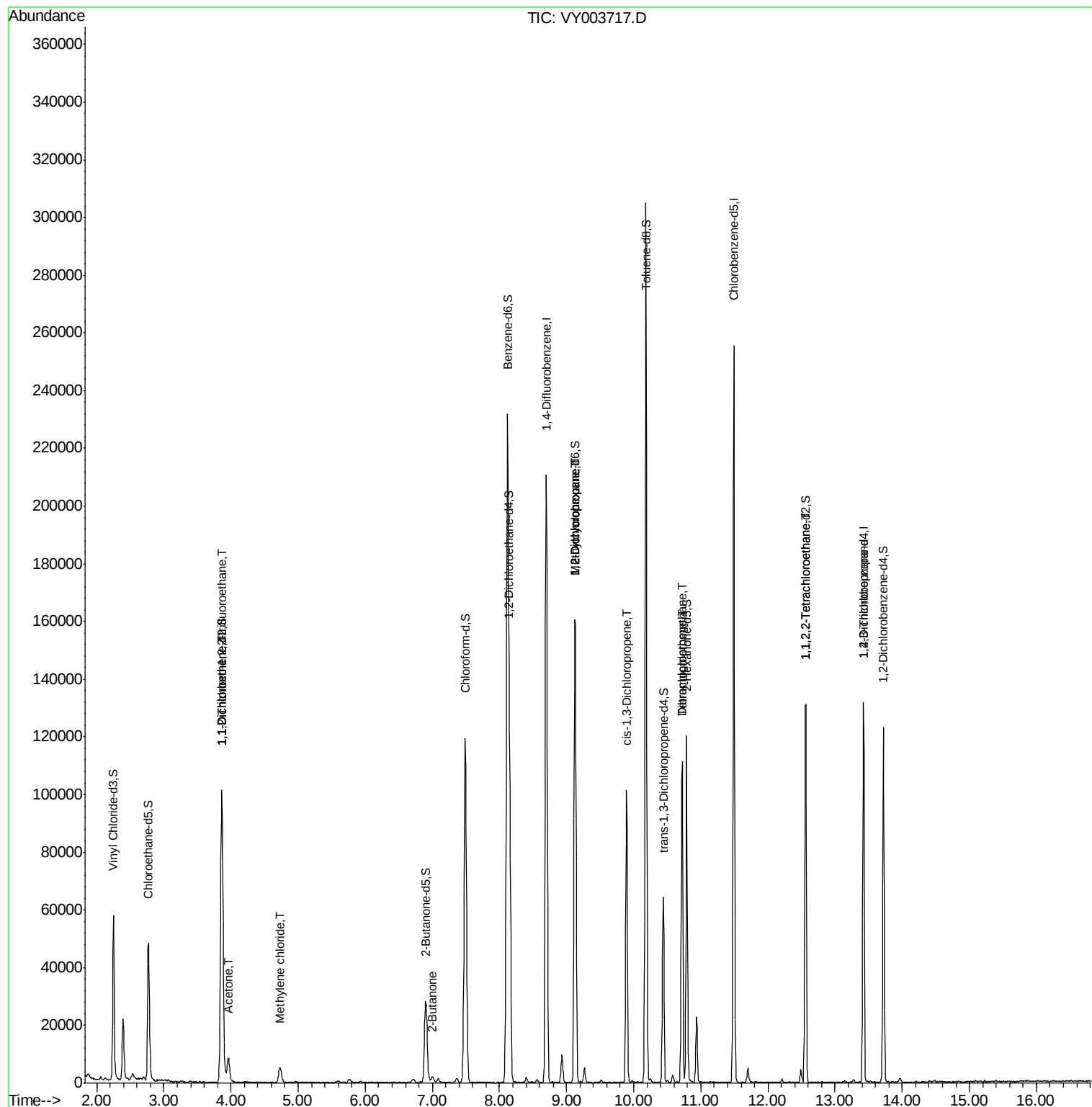
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	3.86	101	514	0.215	ug/L #	17
12) 1,1-Dichloroethene	3.86	96	838	0.371	ug/L #	1
13) Acetone	3.96	43	14295	20.497	ug/L	99
16) Methylene chloride	4.73	84	4045	1.221	ug/L	95
21) 2-Butanone	7.00	43	3157	2.564	ug/L	77
36) Methylcyclohexane	9.13	83	18815	5.524	ug/L #	21
40) 1,2-Dichloropropane	9.12	63	8531	4.202	ug/L #	86
42) cis-1,3-Dichloropropene	9.89	75	2521	0.789	ug/L #	39
47) Tetrachloroethene	10.72	164	25940	14.987	ug/L	98
50) Dibromochloromethane	10.72	129	22537	11.002	ug/L #	10
58) 1,1,2,2-Tetrachloroethane	12.56	83	392	0.209	ug/L #	1
59) 1,2,3-Trichloropropane	13.42	75	4089	2.437	ug/L	93

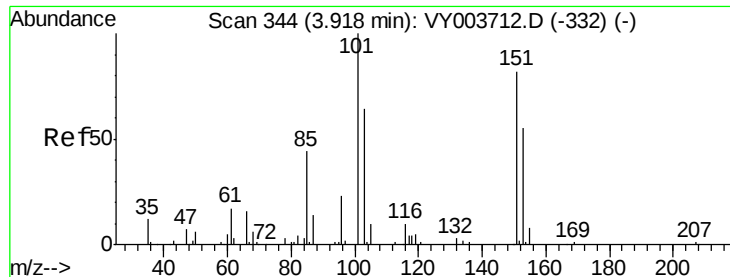
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121020\
Data File : VY003717.D
Acq On : 10 Dec 2020 14:19
Operator : SY/MD
Sample : L4980-03
Misc : 5.70G/10ML/MSVOA Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1E8

Quant Time: Dec 11 00:49:58 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 11 00:47:58 2020
Response via : Initial Calibration





#11

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

Concen: 0.215 ug/L

RT: 3.86 min Scan# 334

Delta R.T. -0.06 min

Lab File: VY003717.D

Acq: 10 Dec 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

GB1E8

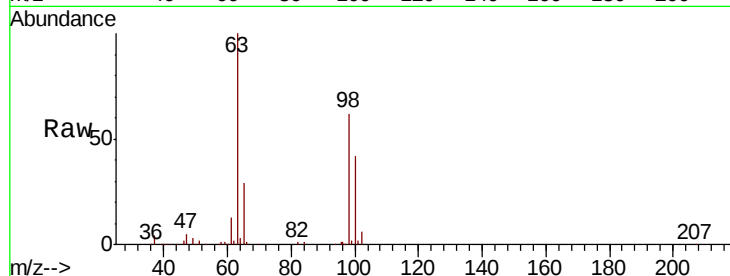
Tot Ion:101 Resp: 514

Ion Ratio Lower Upper

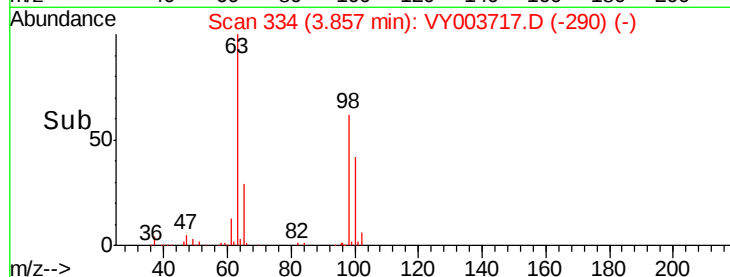
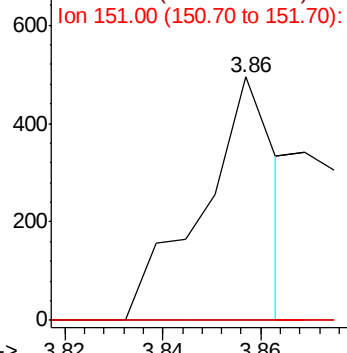
101 100

85 0.0 33.9 50.9#

151 0.0 65.0 97.4#



Abundance Ion 101.00 (100.70 to 101.70): VY003712.D (-332) (-)



#12

1,1-Dichloroethene

Concen: 0.371 ug/L

RT: 3.86 min Scan# 335

Delta R.T. -0.02 min

Lab File: VY003717.D

Acq: 10 Dec 2020 14:19

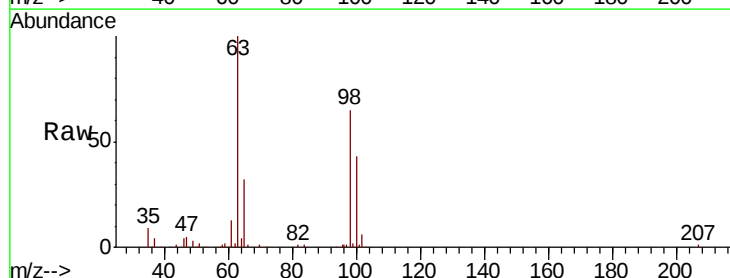
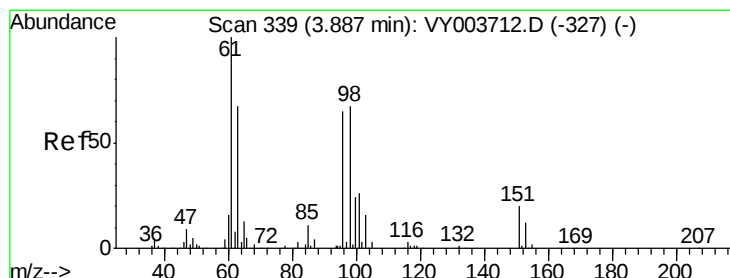
Tgt Ion: 96 Resp: 838

Ion Ratio Lower Upper

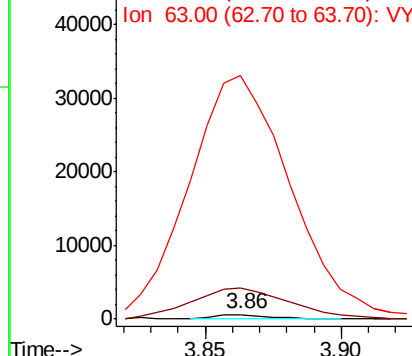
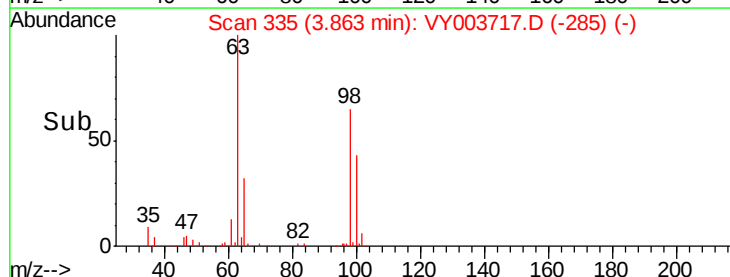
96 100

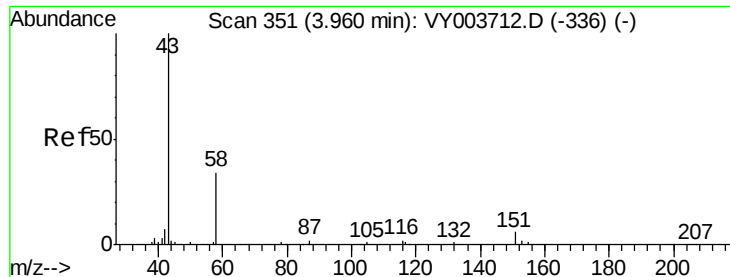
61 692.8 108.5 201.5#

63 5408.8 87.8 163.0#



Abundance Ion 96.00 (95.70 to 96.70): VY003717.D (-285) (-)





#13

Acetone

Concen: 20.497 ug/L

RT: 3.96 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY003717.D

Acq: 10 Dec 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

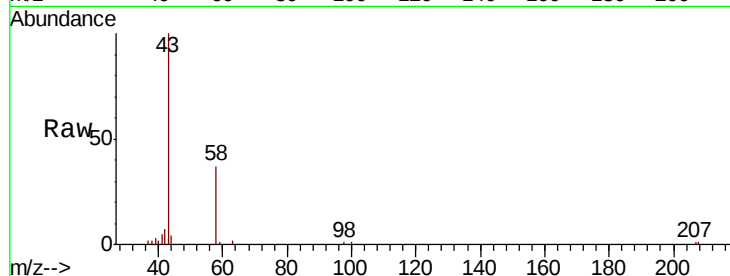
GB1E8

Tot Ion: 43 Resp: 14295

Ion Ratio Lower Upper

43 100

58 35.1 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

6000

5000

4000

3000

2000

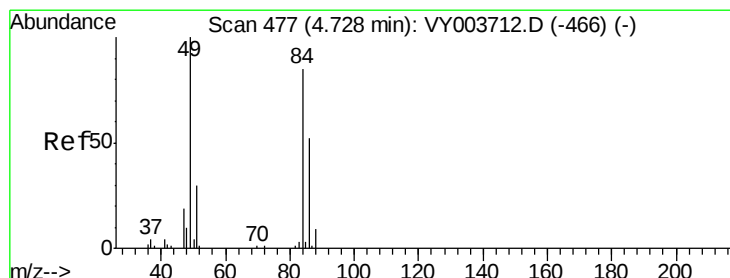
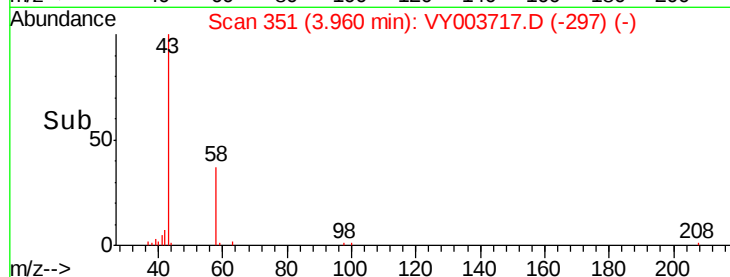
1000

0

3.96

3.90 4.00

Time-->



#16

Methylene chloride

Concen: 1.221 ug/L

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VY003717.D

Acq: 10 Dec 2020 14:19

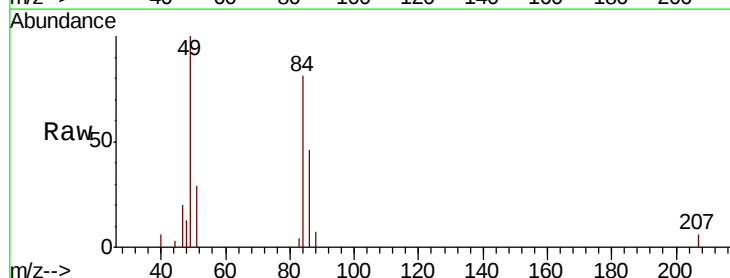
Tgt Ion: 84 Resp: 4045

Ion Ratio Lower Upper

84 100

49 123.1 83.7 155.4

86 56.8 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

2000

1500

1000

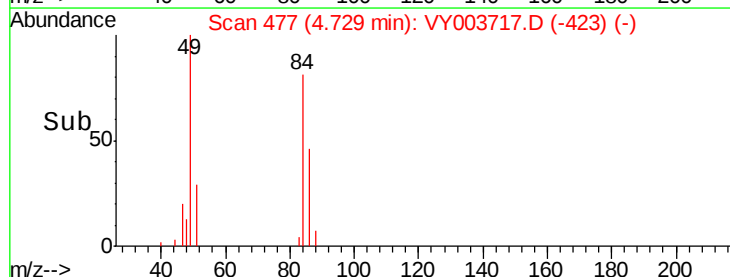
500

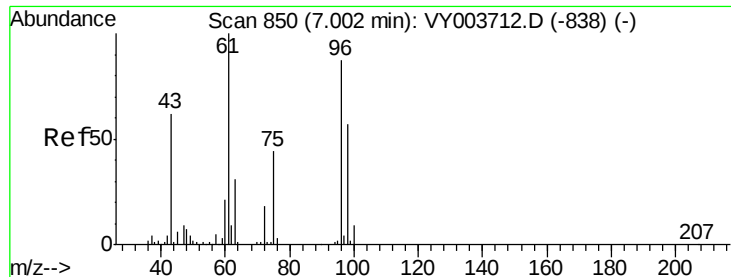
0

4.73

4.65 4.70 4.75 4.80

Time-->

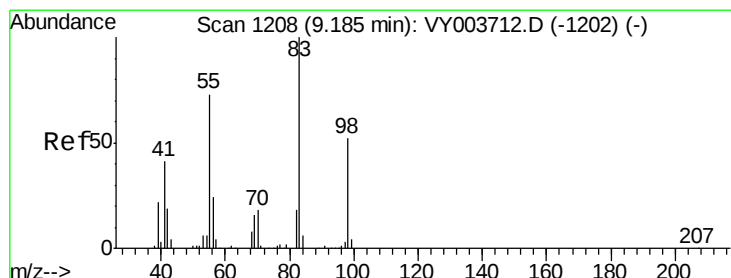
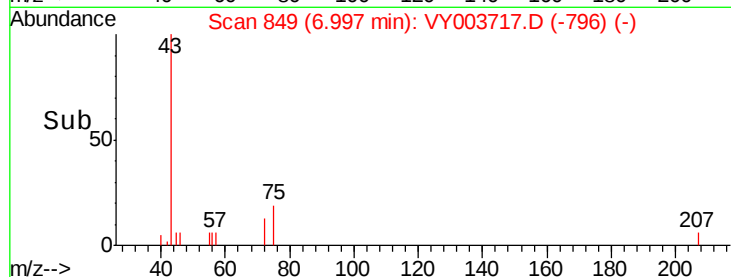
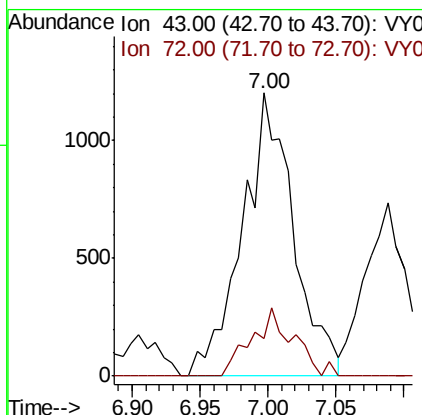
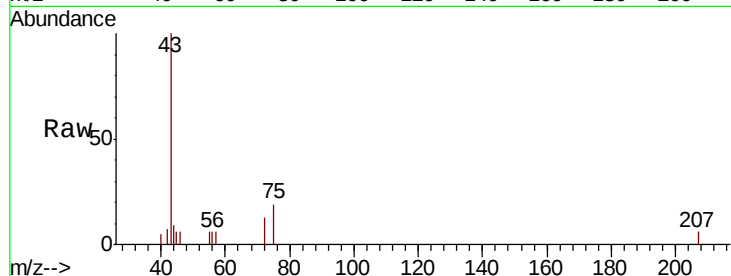




#21
2-Butanone
Concen: 2.564 ug/L
RT: 7.00 min Scan# 849
Delta R.T. -0.01 min
Lab File: VY003717.D
Acq: 10 Dec 2020 14:19

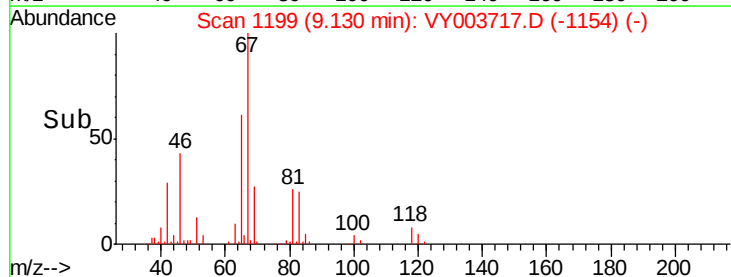
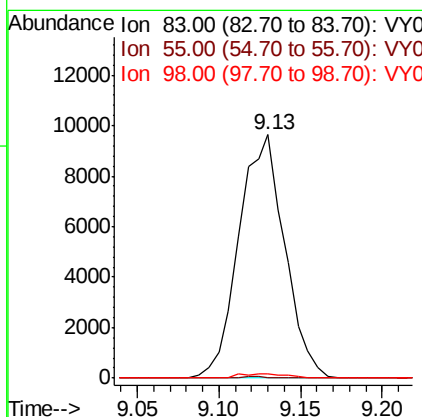
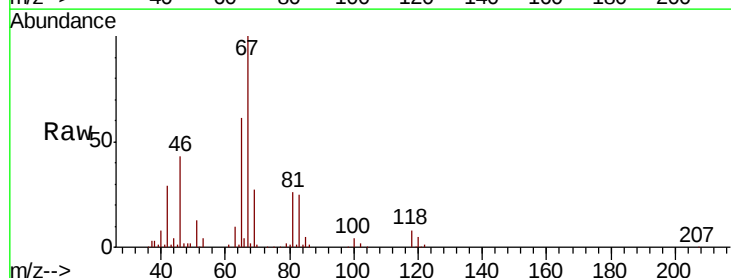
Instrument :
MSVOA_Y
ClientSampled :
GB1E8

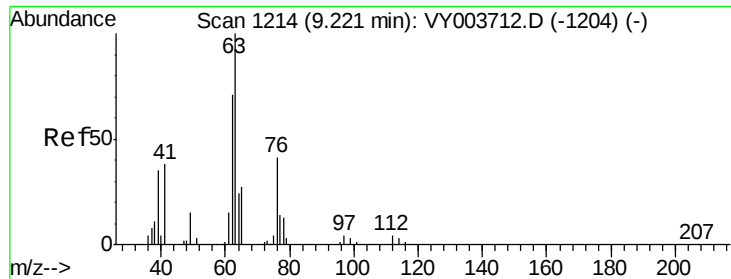
Tot Ion: 43 Resp: 3157
Ion Ratio Lower Upper
43 100
72 15.0 13.3 39.9



#36
Methylcyclohexane
Concen: 5.524 ug/L
RT: 9.13 min Scan# 1199
Delta R.T. -0.05 min
Lab File: VY003717.D
Acq: 10 Dec 2020 14:19

Tgt Ion: 83 Resp: 18815
Ion Ratio Lower Upper
83 100
55 0.6 56.4 84.6#
98 1.2 40.3 60.5#

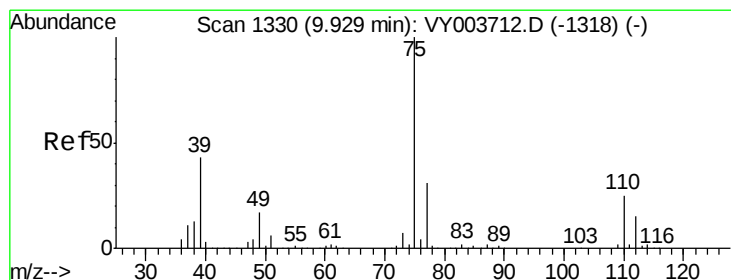
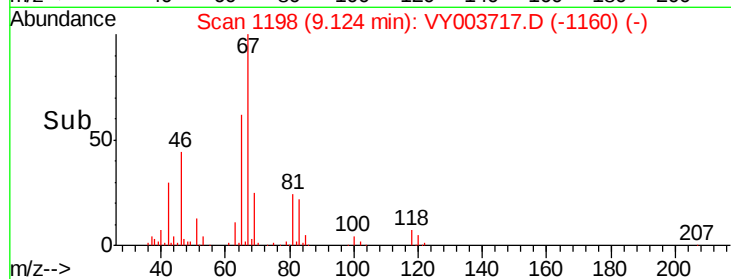
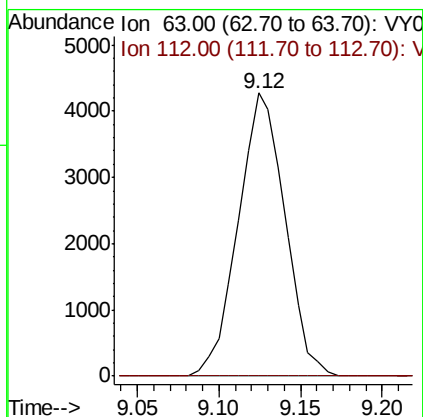
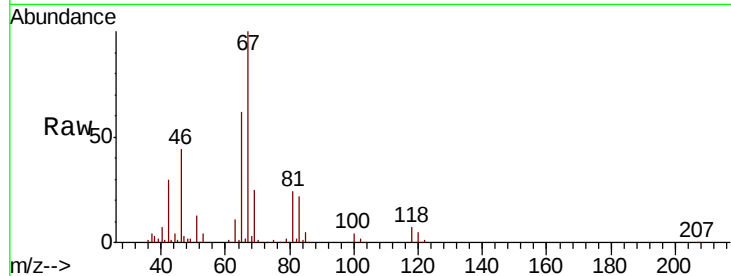




#40
 1,2-Dichloropropane
 Concen: 4.202 ug/L
 RT: 9.12 min Scan# 1198
 Delta R.T. -0.10 min
 Lab File: VY003717.D
 Acq: 10 Dec 2020 14:19

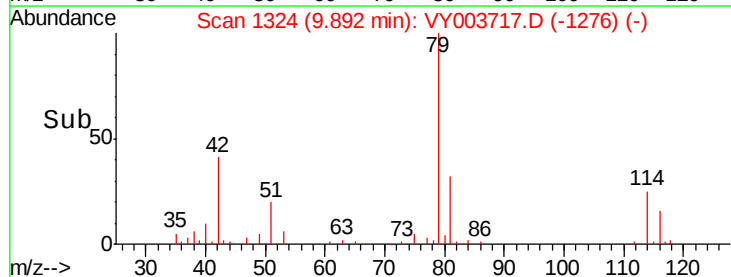
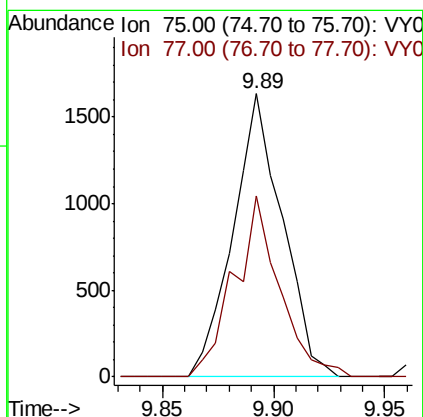
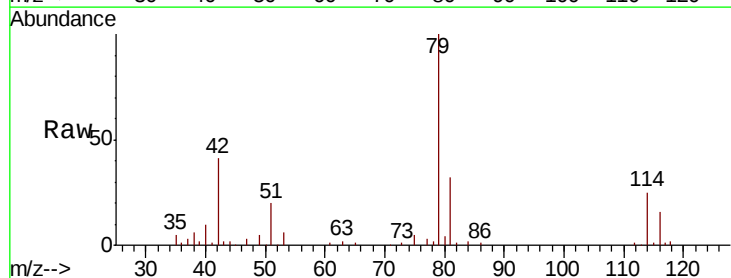
Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1E8

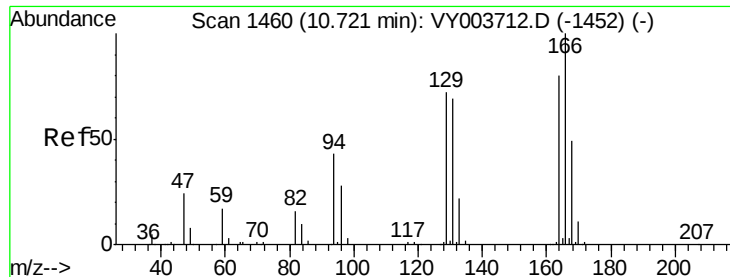
Tot Ion: 63 Resp: 8531
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#42
 cis-1,3-Dichloropropene
 Concen: 0.789 ug/L
 RT: 9.89 min Scan# 1324
 Delta R.T. -0.04 min
 Lab File: VY003717.D
 Acq: 10 Dec 2020 14:19

Tgt Ion: 75 Resp: 2521
 Ion Ratio Lower Upper
 75 100
 77 64.0 21.3 39.6#

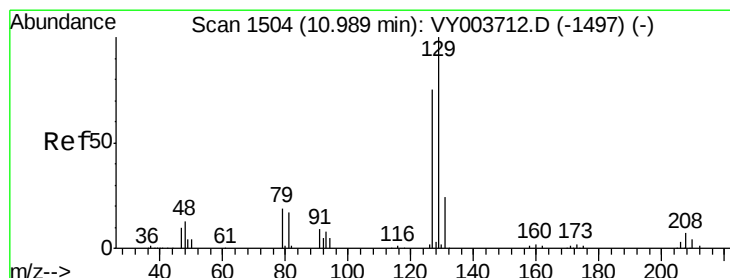
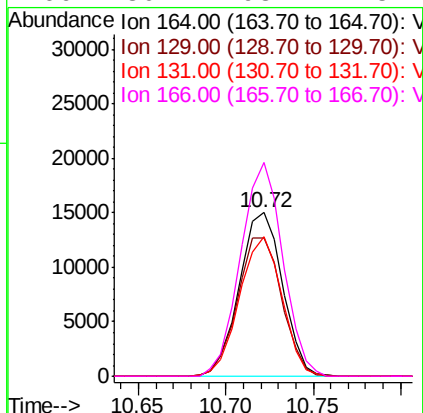
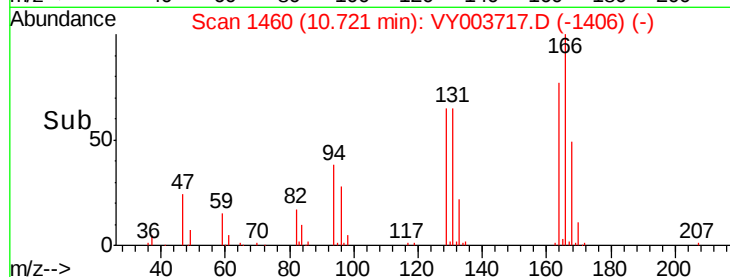
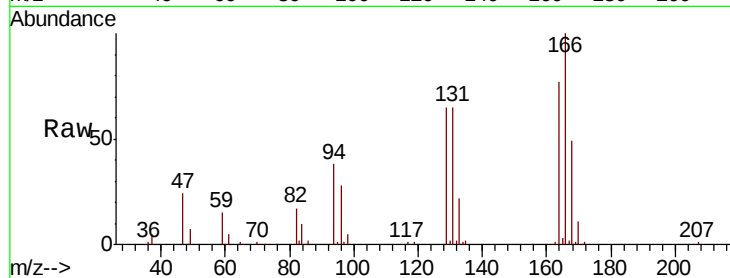




#47
Tetrachloroethene
Concen: 14.987 ug/L
RT: 10.72 min Scan# 1460
Delta R.T. 0.00 min
Lab File: VY003717.D
Acq: 10 Dec 2020 14:19

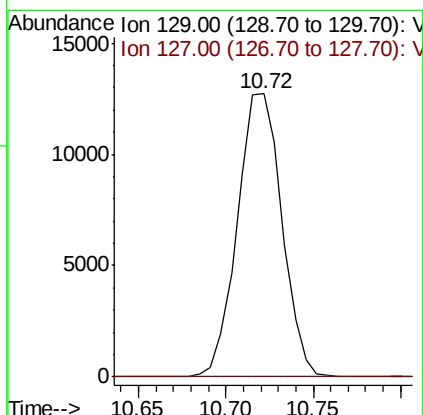
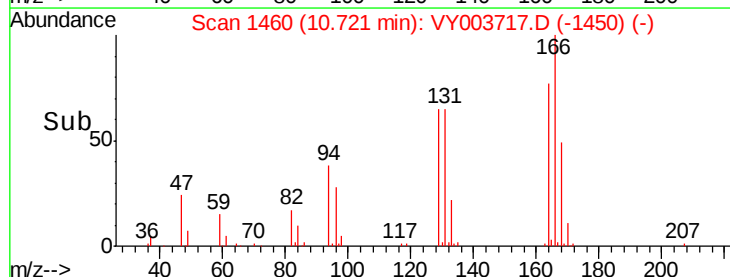
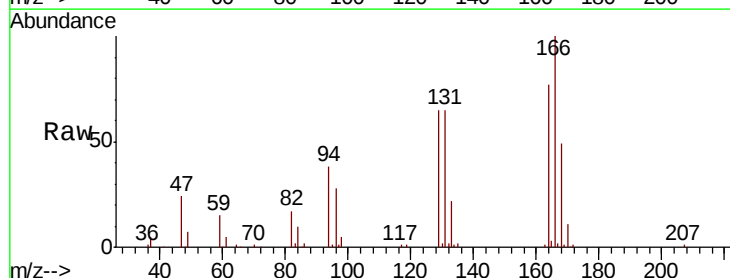
Instrument :
MSVOA_Y
ClientSampleId :
GB1E8

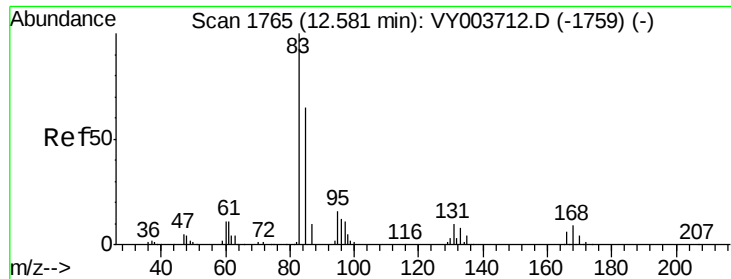
Tot Ion	Ratio	Lower	Upper
164	100		
129	84.5	59.6	110.6
131	85.3	57.9	107.5
166	130.4	93.2	173.2



#50
Dibromochloromethane
Concen: 11.002 ug/L
RT: 10.72 min Scan# 1460
Delta R.T. -0.27 min
Lab File: VY003717.D
Acq: 10 Dec 2020 14:19

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.8	101.8#





#58

1,1,2,2-Tetrachloroethane

Concen: 0.209 ug/L

RT: 12.56 min Scan# 1762

Delta R.T. -0.02 min

Lab File: VY003717.D

Acq: 10 Dec 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

GB1E8

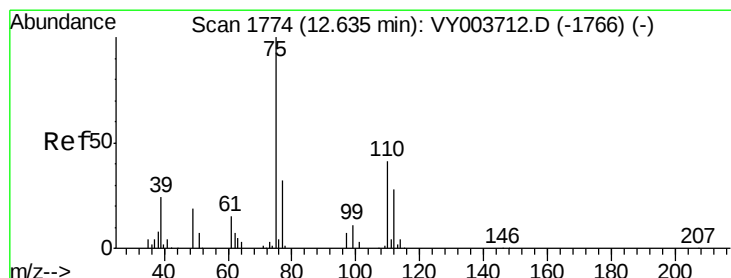
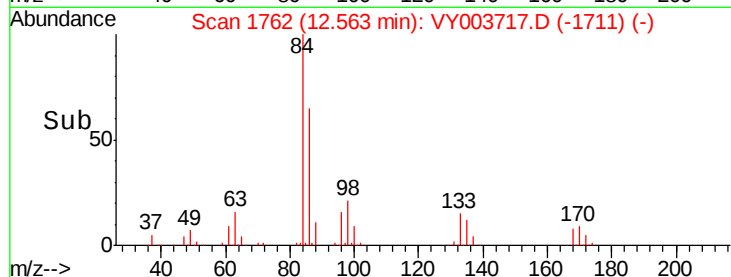
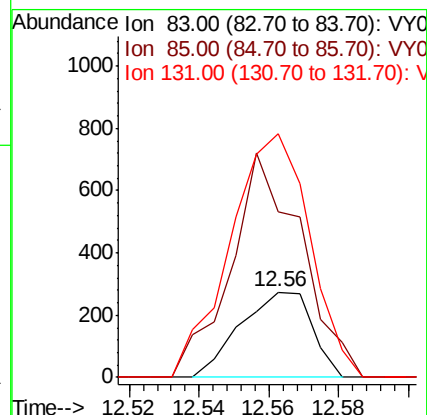
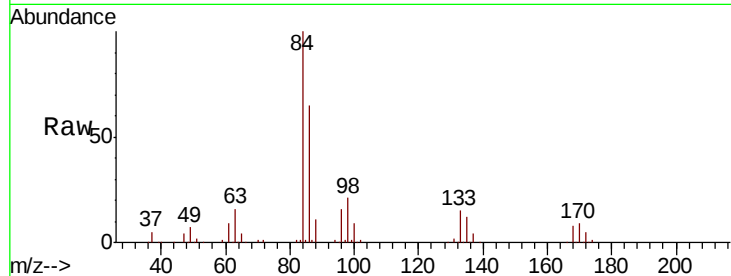
Tot Ion: 83 Resp: 392

Ion Ratio Lower Upper

83 100

85 193.5 47.2 87.6#

131 284.4 8.4 12.6#



#59

1,2,3-Trichloropropane

Concen: 2.437 ug/L

RT: 13.42 min Scan# 1903

Delta R.T. 0.79 min

Lab File: VY003717.D

Acq: 10 Dec 2020 14:19

Tgt Ion: 75 Resp: 4089

Ion Ratio Lower Upper

75 100

77 36.2 25.9 38.9

