

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121820\
 Data File : VY003817.D
 Acq On : 18 Dec 2020 14:39
 Operator : SY/MD
 Sample : L5151-04
 Misc : 4.44G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 19 00:18:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 19 00:17:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	198584	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	165237	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	57419	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	67016	24.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.92%
7) Chloroethane-d5	2.77	69	53720	26.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.36%
10) 1,1-Dichloroethene-d2	3.86	63	92191	16.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.76%
20) 2-Butanone-d5	6.91	46	35707	30.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	60.46%
24) Chloroform-d	7.49	84	121767	23.61	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.44%
26) 1,2-Dichloroethane-d4	8.15	65	64205	22.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.08%
29) Benzene-d6	8.12	84	268082	28.03	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.12%
33) 1,2-Dichloropropane-d6	9.12	67	79099	26.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.24%
37) Toluene-d8	10.18	98	236568	27.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.32%
38) trans-1,3-Dichloropropene-	10.44	79	32617	22.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.88%
39) 2-Hexanone-d5	10.79	63	28154	34.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.56%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	52834	20.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.16%
61) 1,2-Dichlorobenzene-d4	13.72	152	55489	26.90	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.60%

Target Compounds

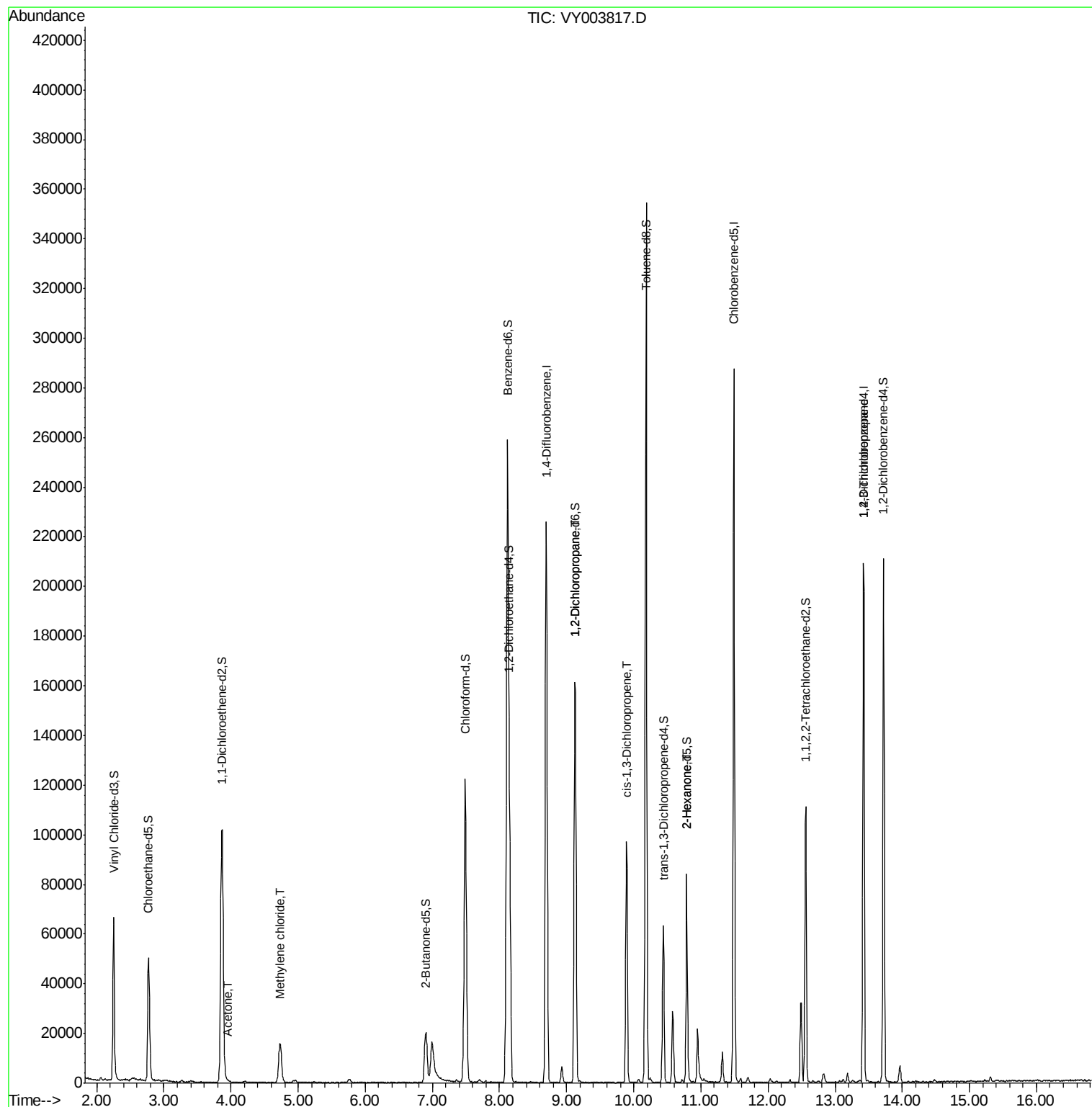
					Ovalue
13) Acetone	3.96	43	742	0.911 ug/L	97
16) Methylene chloride	4.74	84	12128	3.402 ug/L	85
40) 1,2-Dichloropropane	9.12	63	8164	2.996 ug/L #	87
42) cis-1,3-Dichloropropene	9.89	75	2826	0.653 ug/L #	52
49) 2-Hexanone	10.79	43	3528	1.946 ug/L #	66
59) 1,2,3-Trichloropropane	13.42	75	6836	3.143 ug/L	97

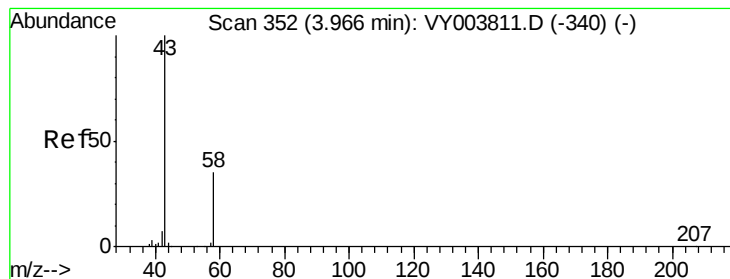
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 0.911 ug/L

RT: 3.96 min Scan# 351

Delta R.T. -0.01 min

Lab File: VY003817.D

Acq: 18 Dec 2020 14:39

Instrument :

MSVOA_Y

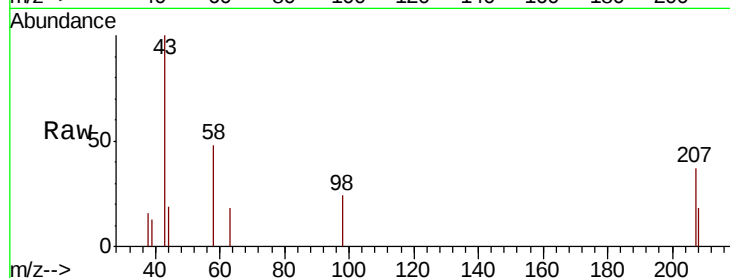
ClientSampleId :

Tot Ion: 43 Resp: 742

Ion Ratio Lower Upper

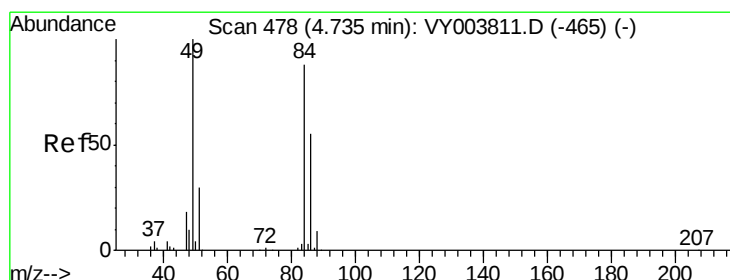
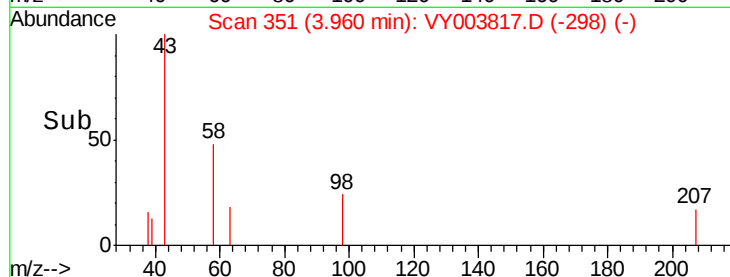
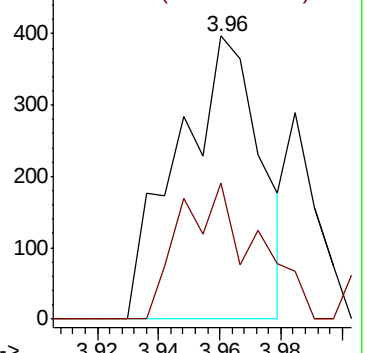
43 100

58 31.0 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#16

Methylene chloride

Concen: 3.402 ug/L

RT: 4.74 min Scan# 479

Delta R.T. 0.01 min

Lab File: VY003817.D

Acq: 18 Dec 2020 14:39

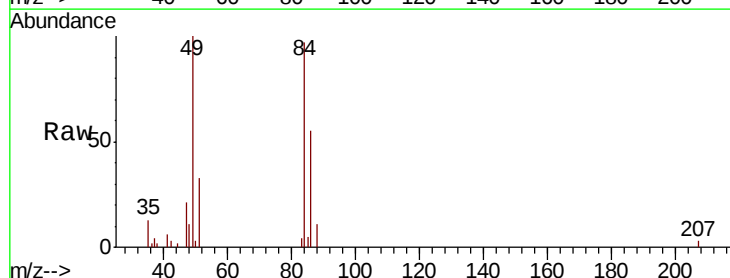
Tgt Ion: 84 Resp: 12128

Ion Ratio Lower Upper

84 100

49 103.6 88.2 163.8

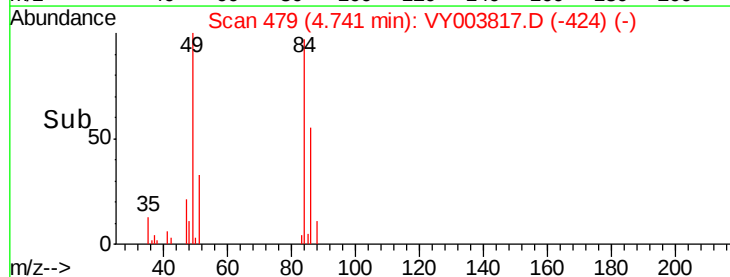
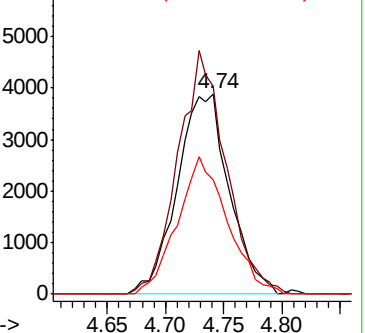
86 57.2 43.0 79.8

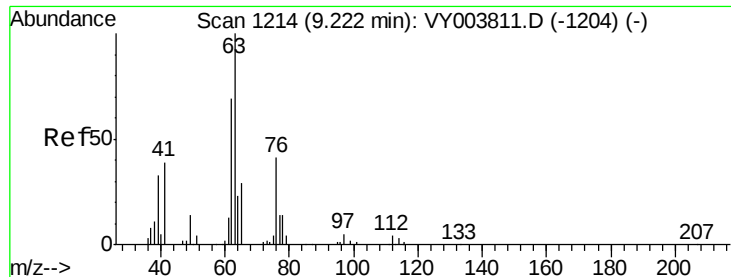


Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

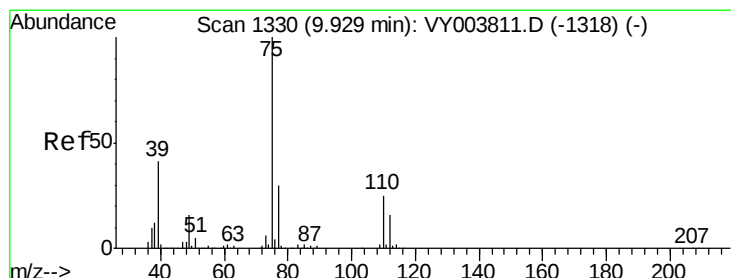
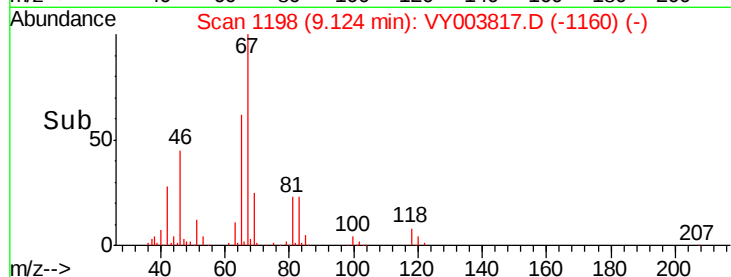
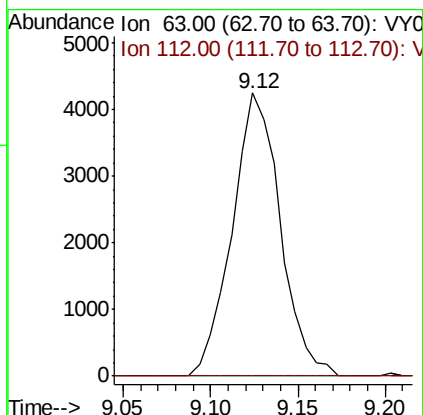
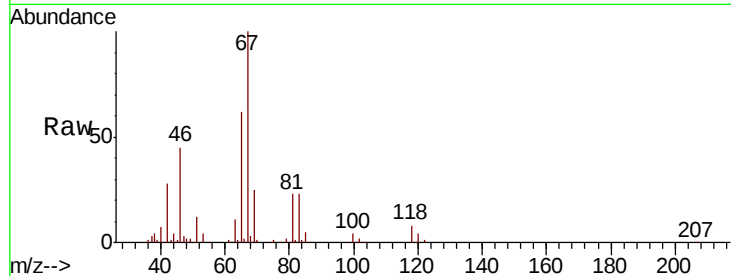




#40
 1,2-Dichloropropane
 Concen: 2.996 ug/L
 RT: 9.12 min Scan# 1198
 Delta R.T. -0.10 min
 Lab File: VY003817.D
 Acq: 18 Dec 2020 14:39

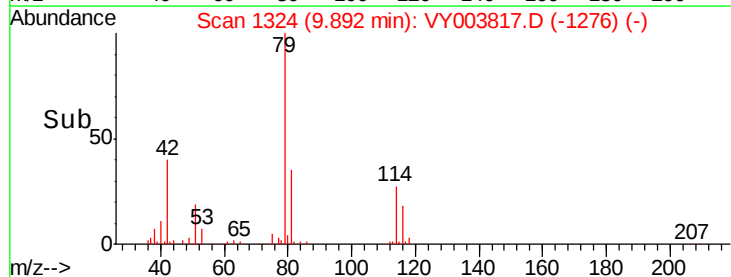
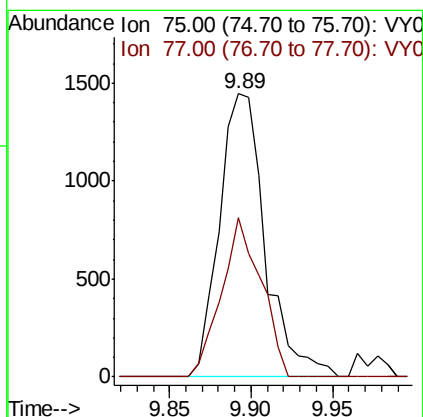
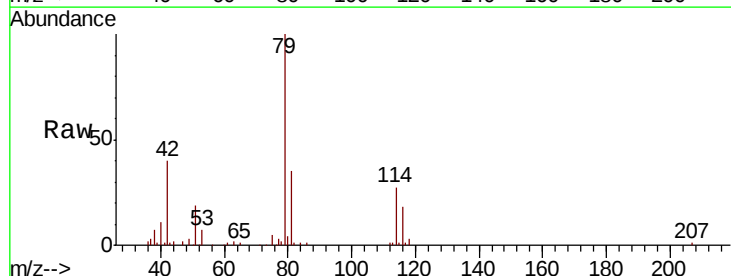
Instrument :
 MSVOA_Y
 ClientSampleId :

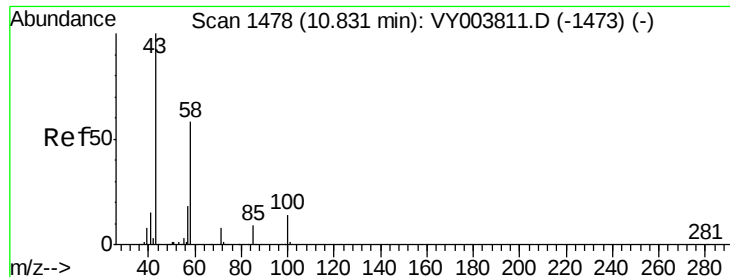
Tot Ion: 63 Resp: 8164
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#42
 cis-1,3-Dichloropropene
 Concen: 0.653 ug/L
 RT: 9.89 min Scan# 1324
 Delta R.T. -0.04 min
 Lab File: VY003817.D
 Acq: 18 Dec 2020 14:39

Tgt Ion: 75 Resp: 2826
 Ion Ratio Lower Upper
 75 100
 77 56.5 21.3 39.6#





#49

2-Hexanone

Concen: 1.946 ug/L

RT: 10.79 min Scan# 1472

Delta R.T. -0.04 min

Lab File: VY003817.D

Acq: 18 Dec 2020 14:39

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 43 Resp: 3528

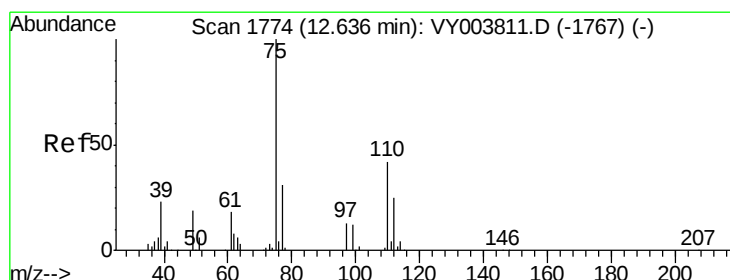
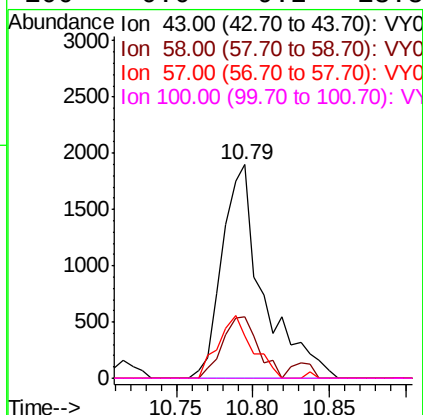
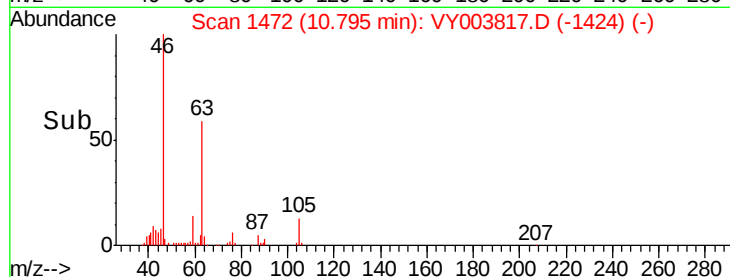
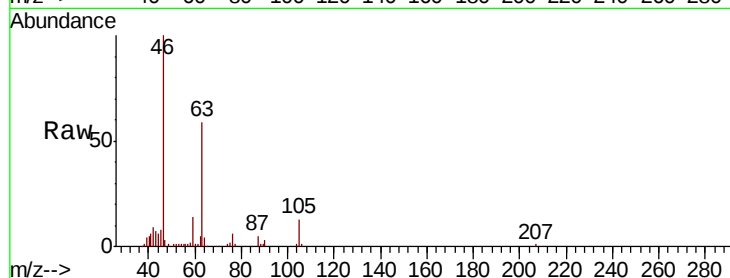
Ion Ratio Lower Upper

43 100

58 24.8 43.0 64.4#

57 24.4 14.1 21.1#

100 0.0 9.2 13.8#



#59

1,2,3-Trichloropropane

Concen: 3.143 ug/L

RT: 13.42 min Scan# 1903

Delta R.T. 0.79 min

Lab File: VY003817.D

Acq: 18 Dec 2020 14:39

Tgt Ion: 75 Resp: 6836

Ion Ratio Lower Upper

75 100

77 33.8 25.5 38.3

