

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120920\
 Data File : VY003700.D
 Acq On : 09 Dec 2020 15:03
 Operator : SY/MD
 Sample : VIBLK90
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK90

Quant Time: Dec 10 02:30:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 10 02:27:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	220235	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	208431	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	101376	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	56792	18.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.96%
7) Chloroethane-d5	2.77	69	48659	20.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.84%
10) 1,1-Dichloroethene-d2	3.86	63	93116	15.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.56%
20) 2-Butanone-d5	6.91	46	47014	42.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.68%
24) Chloroform-d	7.49	84	129470	22.84	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.36%
26) 1,2-Dichloroethane-d4	8.15	65	72028	22.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.36%
29) Benzene-d6	8.12	84	276518	22.92	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.68%
33) 1,2-Dichloropropane-d6	9.12	67	82733	23.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.68%
37) Toluene-d8	10.18	98	257820	23.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.32%
38) trans-1,3-Dichloropropene-	10.44	79	39411	23.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.36%
39) 2-Hexanone-d5	10.79	63	37792	42.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.48%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	68168	21.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.72%
61) 1,2-Dichlorobenzene-d4	13.72	152	94368	25.62	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.48%

Target Compounds

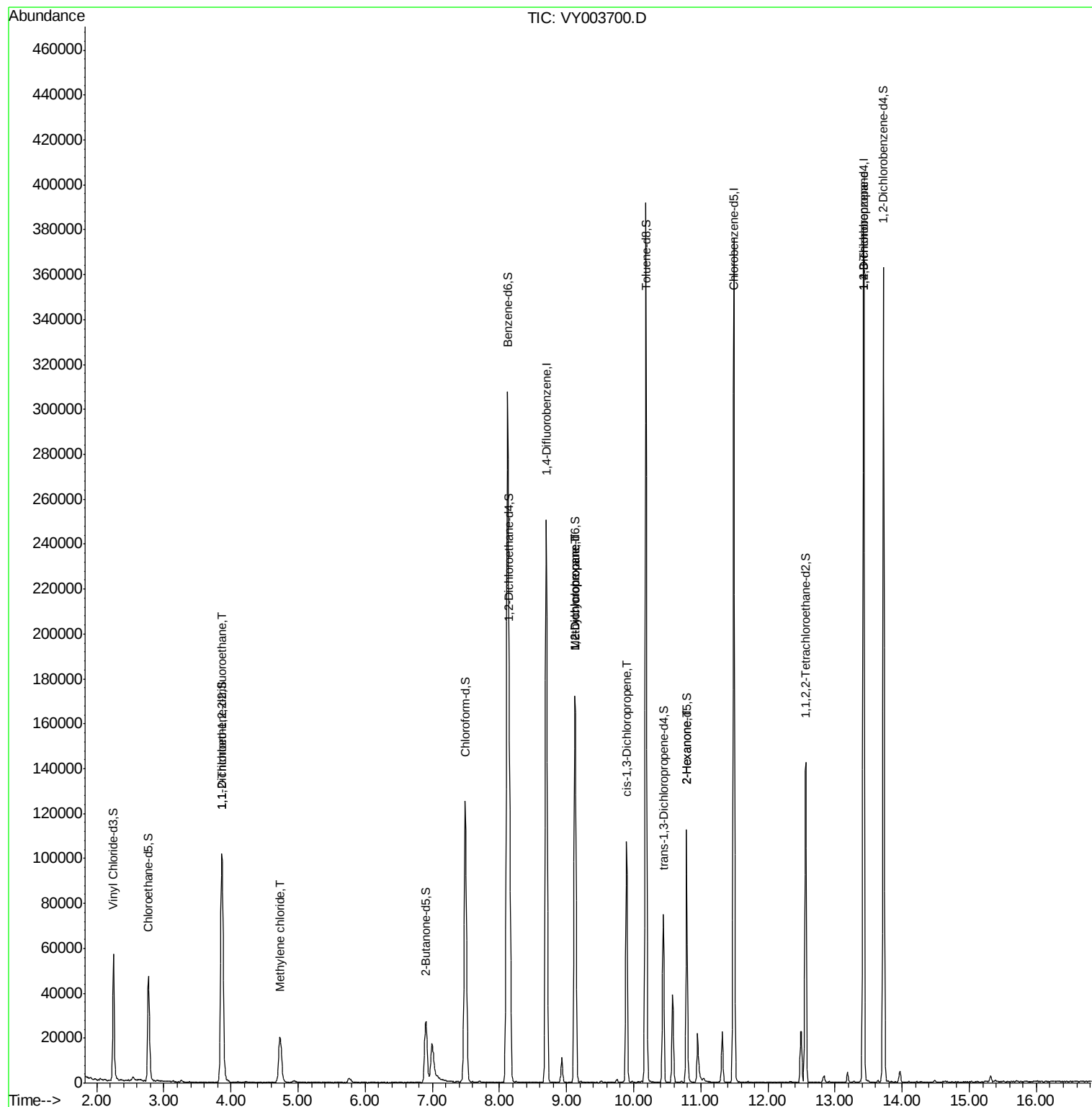
					Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	3.86	101	928	0.332 ug/L #	17
16) Methylene chloride	4.73	84	15732	4.068 ug/L	93
36) Methylcyclohexane	9.13	83	19853	3.957 ug/L #	20
40) 1,2-Dichloropropane	9.12	63	8992	3.007 ug/L #	86
42) cis-1,3-Dichloropropene	9.89	75	2923	0.621 ug/L #	66
49) 2-Hexanone	10.79	43	4015	2.034 ug/L #	63
59) 1,2,3-Trichloropropane	13.42	75	12298	4.976 ug/L	96

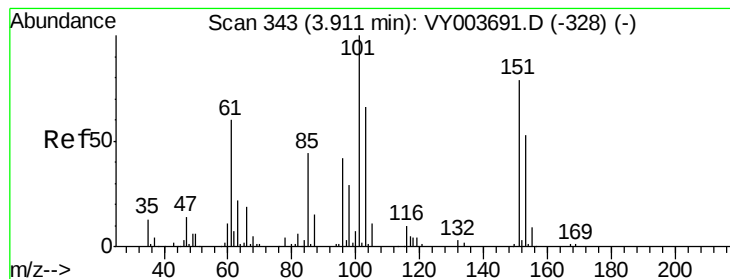
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#11

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

Concen: 0.332 ug/L

RT: 3.86 min Scan# 335

Delta R.T. -0.05 min

Lab File: VY003700.D

Acq: 09 Dec 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK90

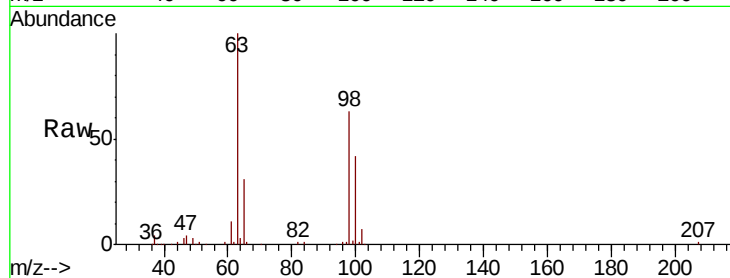
Tot Ion:101 Resp: 928

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

600

500

400

300

200

100

0

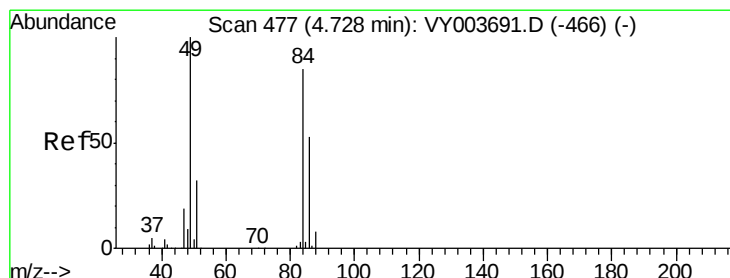
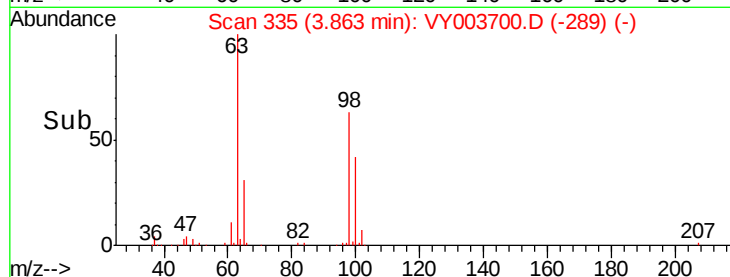
3.86

3.80

3.85

3.90

Time-->



#16

Methylene chloride

Concen: 4.068 ug/L

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VY003700.D

Acq: 09 Dec 2020 15:03

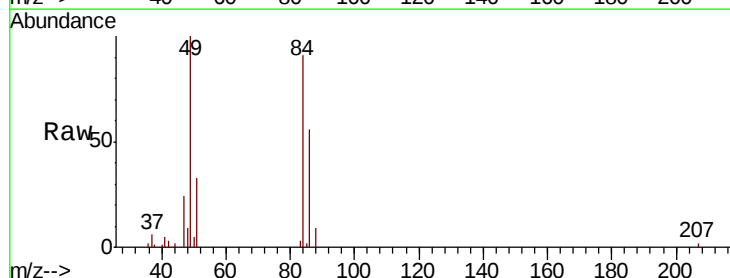
Tgt Ion: 84 Resp: 15732

Ion Ratio Lower Upper

84 100

49 109.5 83.7 155.4

86 61.3 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

8000

6000

4000

2000

0

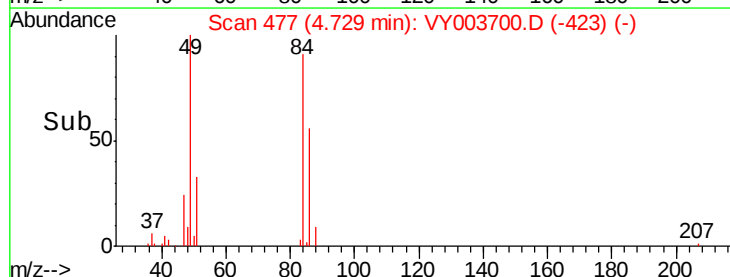
4.73

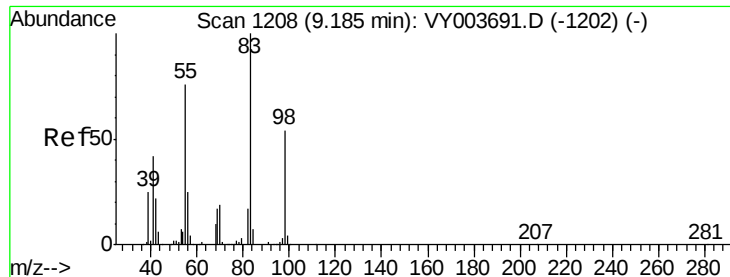
4.60

4.70

4.80

Time-->

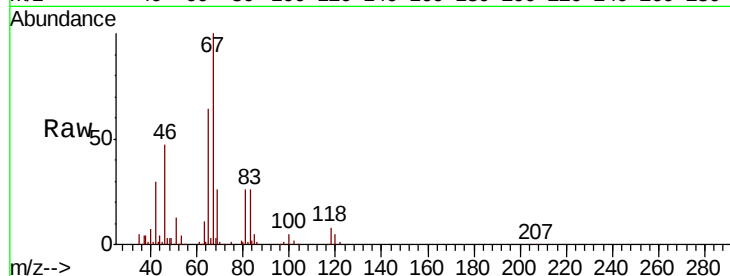




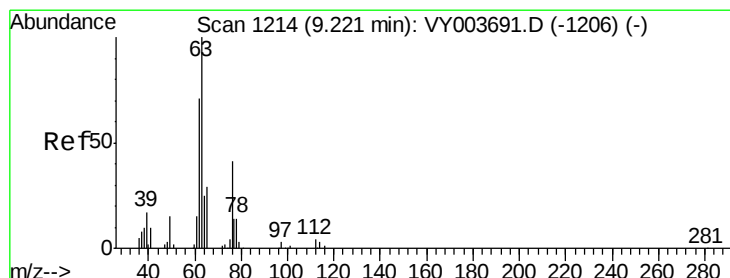
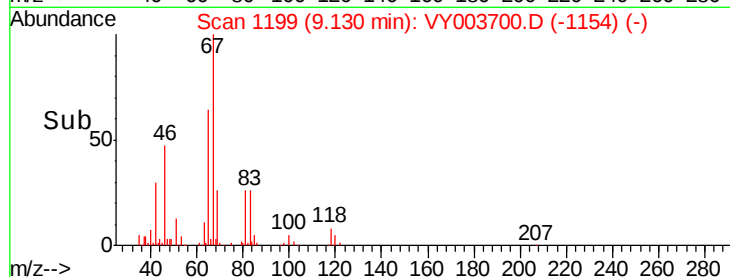
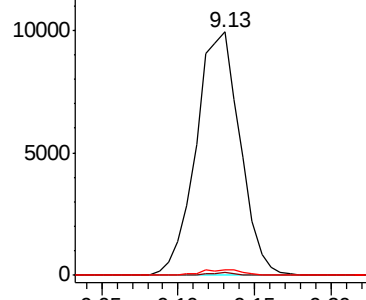
#36
Methylcyclohexane
Concen: 3.957 ug/L
RT: 9.13 min Scan# 1199
Delta R.T. -0.05 min
Lab File: VY003700.D
Acq: 09 Dec 2020 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK90

Tot Ion: 83 Resp: 19853
Ion Ratio Lower Upper
83 100
55 0.0 56.4 84.6#
98 1.1 40.3 60.5#

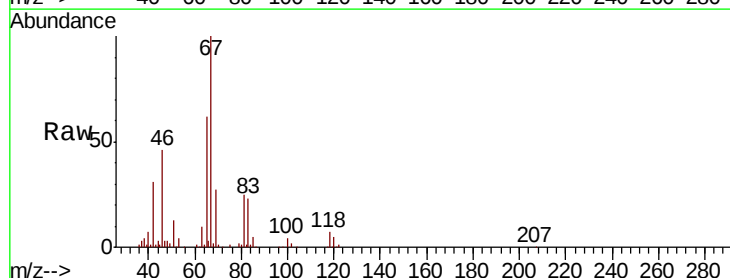


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

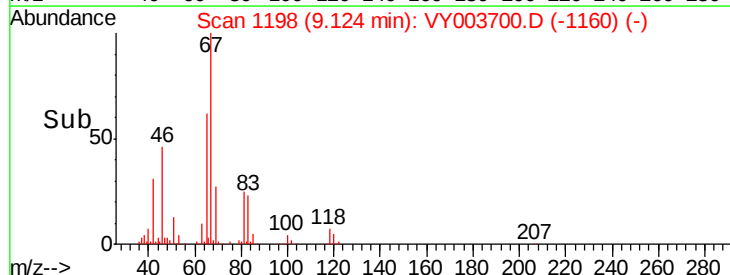
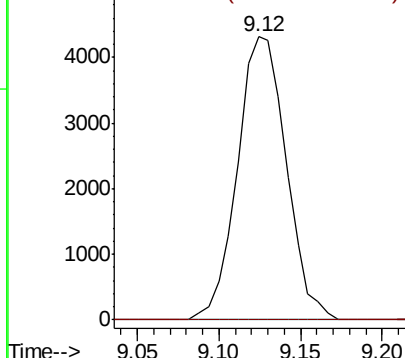


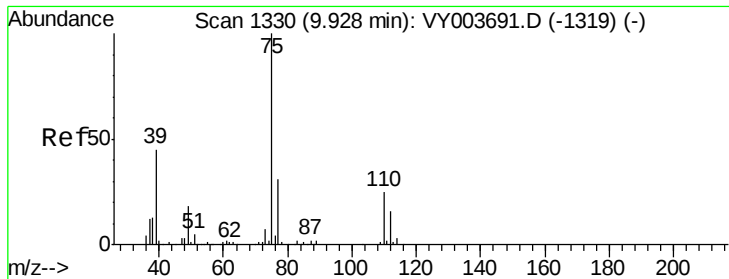
#40
1,2-Dichloropropane
Concen: 3.007 ug/L
RT: 9.12 min Scan# 1198
Delta R.T. -0.10 min
Lab File: VY003700.D
Acq: 09 Dec 2020 15:03

Tgt Ion: 63 Resp: 8992
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: 0.621 ug/L

RT: 9.89 min Scan# 1324

Delta R.T. -0.04 min

Lab File: VY003700.D

Acq: 09 Dec 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

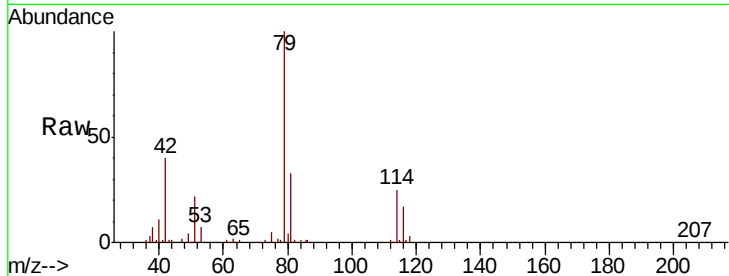
VIBLK90

Tot Ion: 75 Resp: 2923

Ion Ratio Lower Upper

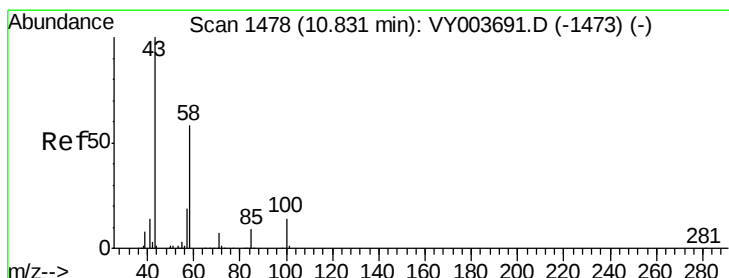
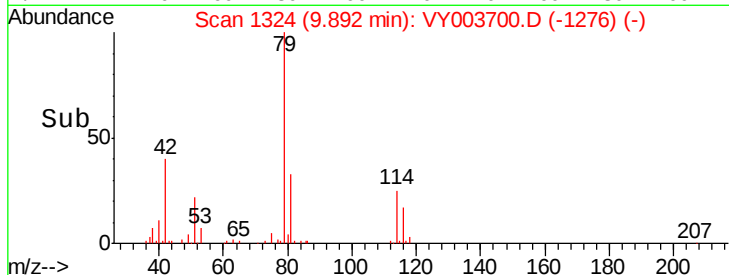
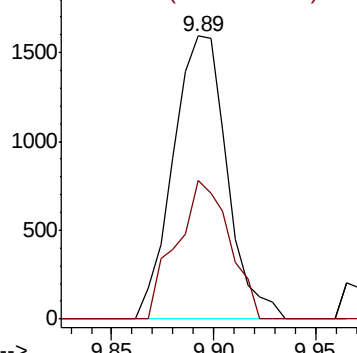
75 100

77 49.2 21.3 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#49

2-Hexanone

Concen: 2.034 ug/L

RT: 10.79 min Scan# 1471

Delta R.T. -0.04 min

Lab File: VY003700.D

Acq: 09 Dec 2020 15:03

Tgt Ion: 43 Resp: 4015

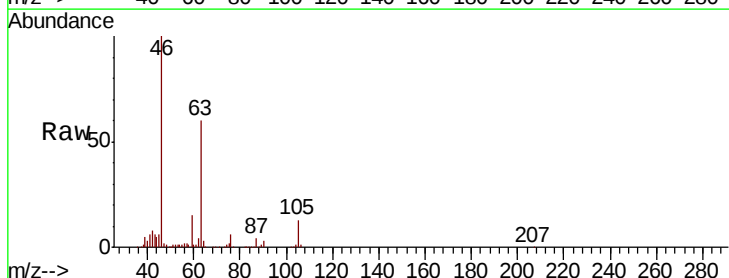
Ion Ratio Lower Upper

43 100

58 24.0 44.8 67.2#

57 26.7 14.8 22.2#

100 0.0 9.9 14.9#

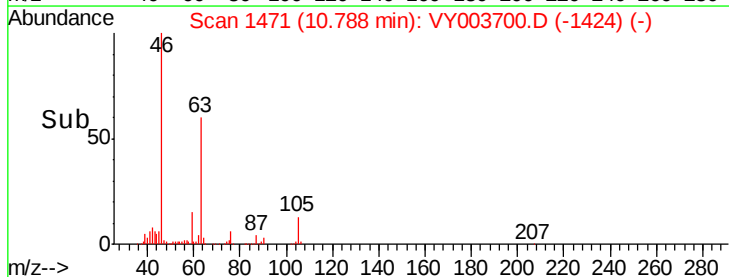
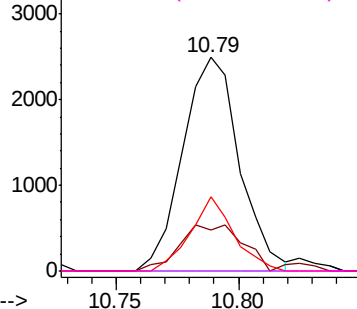


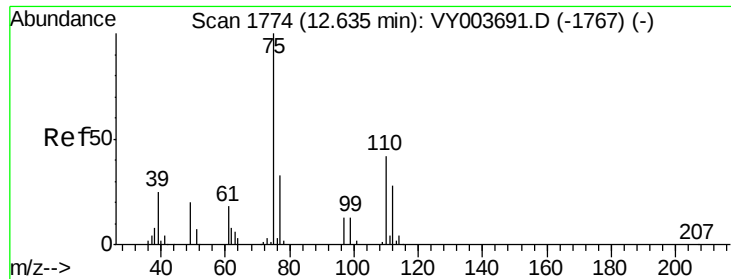
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#59

1,2,3-Trichloropropane

Concen: 4.976 ug/L

RT: 13.42 min Scan# 1903

Delta R.T. 0.79 min

Lab File: VY003700.D

Acq: 09 Dec 2020 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK90

Tot Ion: 75 Resp: 12298

Ion Ratio Lower Upper

75 100

77 30.4 25.9 38.9

