

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121820\
 Data File : VY003820.D
 Acq On : 18 Dec 2020 15:48
 Operator : SY/MD
 Sample : L5151-04RE
 Misc : 4.55G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 19 00:19:09 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	266062	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	218436	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	78091	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	73774	20.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.28%
7) Chloroethane-d5	2.77	69	59599	22.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.08%
10) 1,1-Dichloroethene-d2	3.86	63	105751	13.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	55.44%
20) 2-Butanone-d5	6.90	46	27586	17.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	34.86%
24) Chloroform-d	7.49	84	129907	18.80	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	75.20%
26) 1,2-Dichloroethane-d4	8.15	65	63067	16.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	64.56%#
29) Benzene-d6	8.12	84	291036	23.02	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.08%
33) 1,2-Dichloropropane-d6	9.12	67	81526	20.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.84%
37) Toluene-d8	10.18	98	255166	22.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.20%
38) trans-1,3-Dichloropropene-	10.44	79	31868	16.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	66.44%
39) 2-Hexanone-d5	10.79	63	22420	20.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	41.30%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	47955	13.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	55.72%
61) 1,2-Dichlorobenzene-d4	13.72	152	61017	21.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.00%

Target Compounds

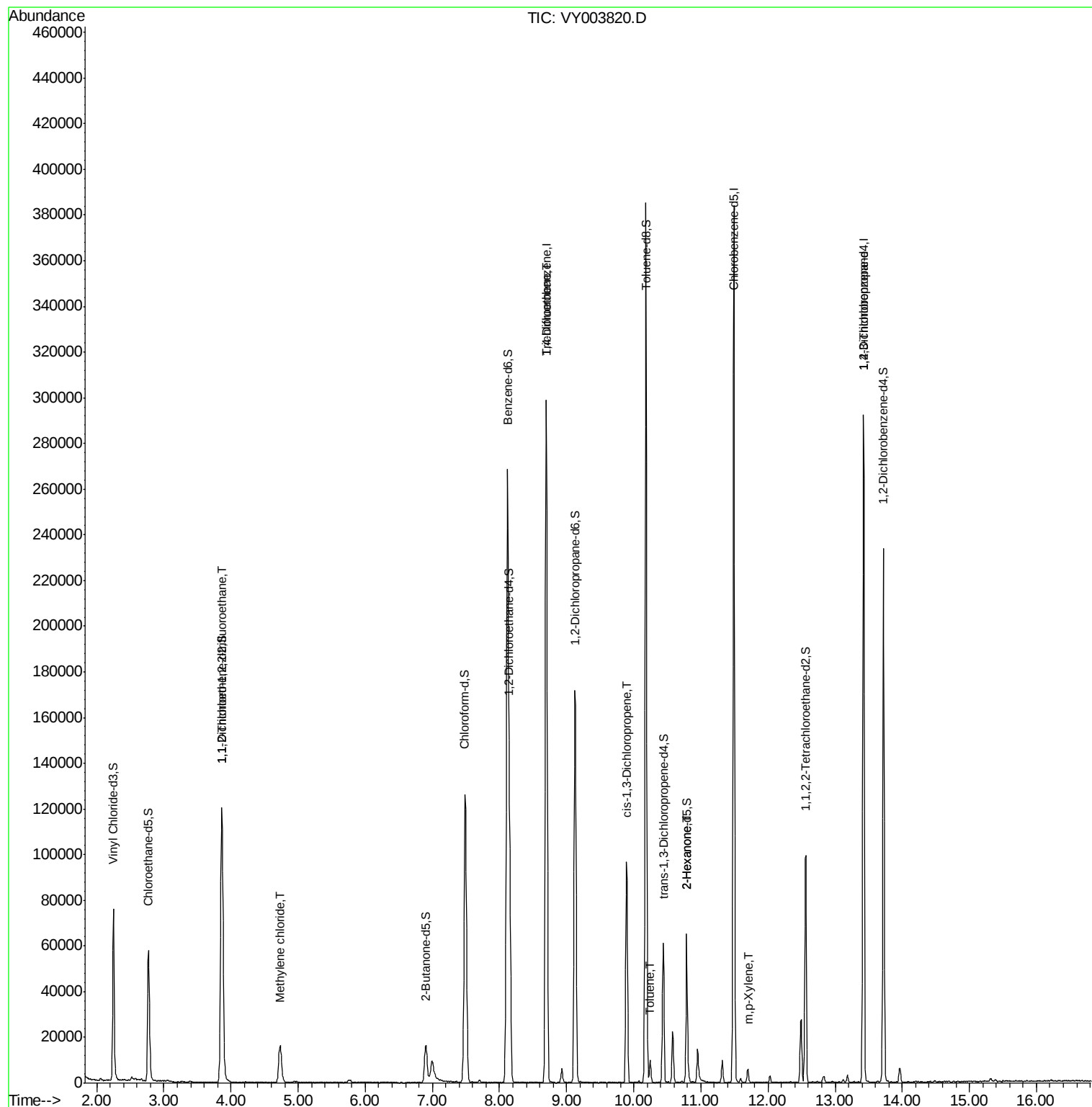
					Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	3.87	101	976	0.252 ug/L #	19
16) Methylene chloride	4.72	84	6040	1.265 ug/L	92
35) Trichloroethene	8.70	95	7349	1.970 ug/L #	3
42) cis-1,3-Dichloropropene	9.89	75	2684	0.469 ug/L #	74
44) Toluene	10.25	91	7083	0.480 ug/L	95
49) 2-Hexanone	10.79	43	3355	1.400 ug/L #	62
54) m,p-Xylene	11.70	106	1962	0.315 ug/L	80
59) 1,2,3-Trichloropropane	13.42	75	9362	3.256 ug/L	98

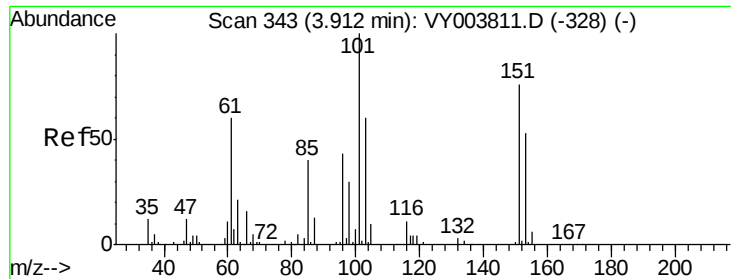
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Dec 19 00:17:11 2020
Response via : Initial Calibration





#11

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

Concen: 0.252 ug/L

RT: 3.87 min Scan# 336

Delta R.T. -0.04 min

Lab File: VY003820.D

Acq: 18 Dec 2020 15:48

Instrument :

MSVOA_Y

ClientSampleId :

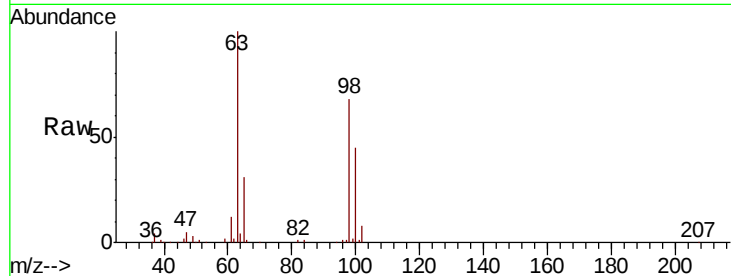
Tot Ion:101 Resp: 976

Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.6#

151 0.0 62.1 93.1#

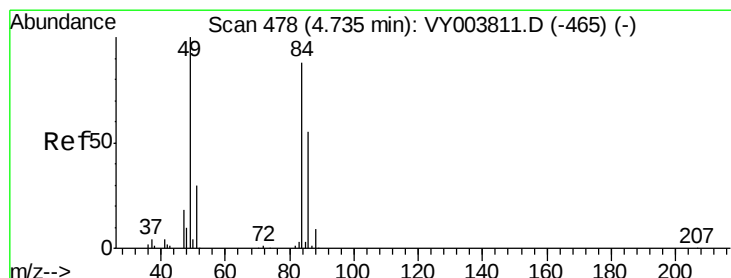
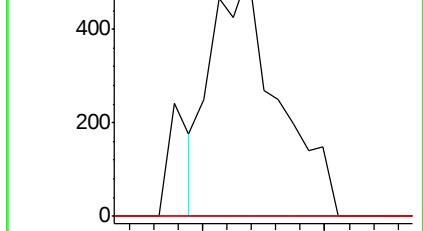
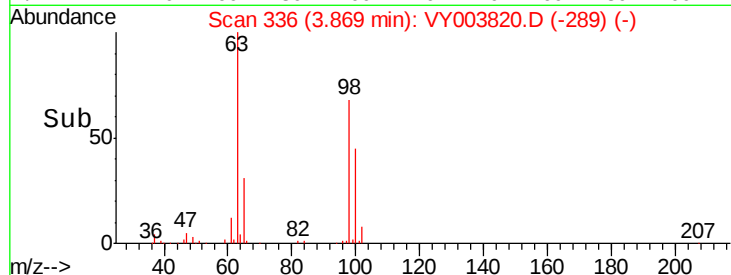


Abundance Ion 101.00 (100.70 to 101.70): VY003811.D (-328) (-)

Ion 85.00 (84.70 to 85.70): VY003811.D (-328) (-)

Ion 151.00 (150.70 to 151.70): VY003811.D (-328) (-)

Time-->



#16

Methylene chloride

Concen: 1.265 ug/L

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VY003820.D

Acq: 18 Dec 2020 15:48

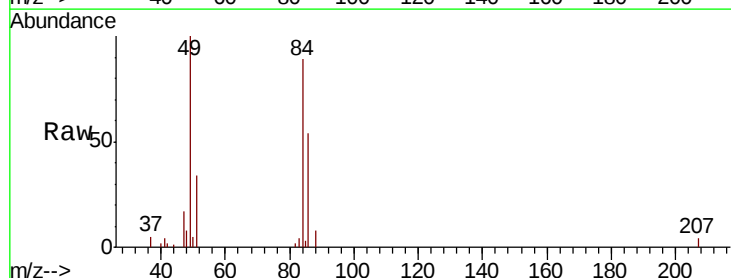
Tgt Ion: 84 Resp: 6040

Ion Ratio Lower Upper

84 100

49 113.0 88.2 163.8

86 60.8 43.0 79.8

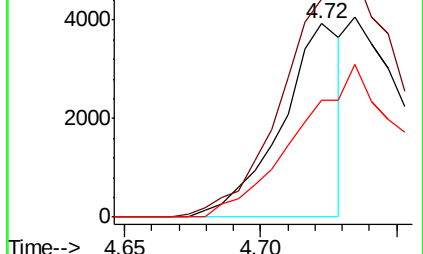
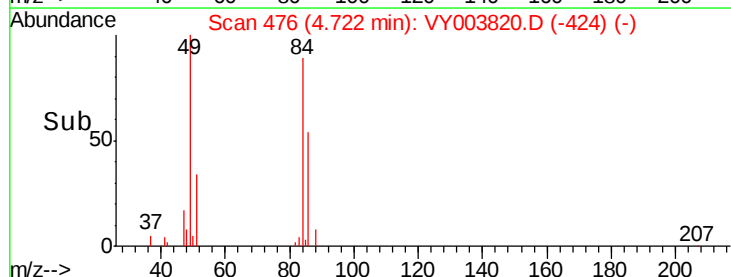


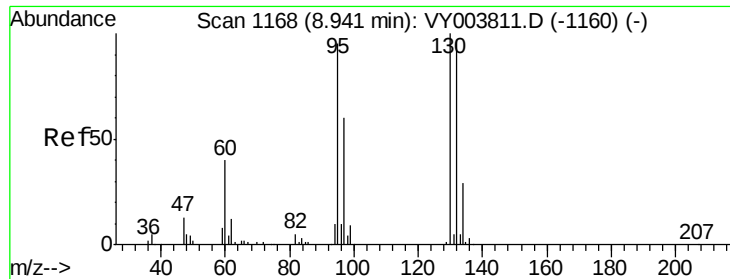
Abundance Ion 84.00 (83.70 to 84.70): VY003811.D (-465) (-)

Ion 49.00 (48.70 to 49.70): VY003811.D (-465) (-)

Ion 86.00 (85.70 to 86.70): VY003811.D (-465) (-)

Time-->





#35

Trichloroethene

Concen: 1.970 ug/L

RT: 8.70 min Scan# 1128

Delta R.T. -0.24 min

Lab File: VY003820.D

Acq: 18 Dec 2020 15:48

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 95 Resp: 7349

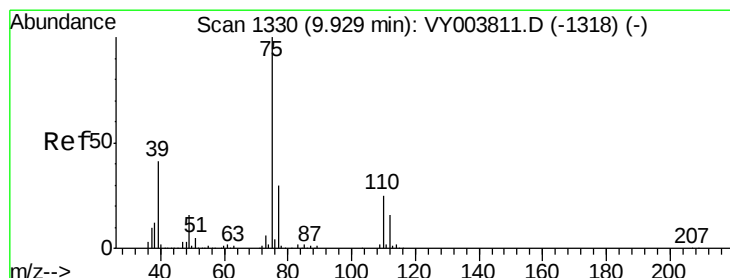
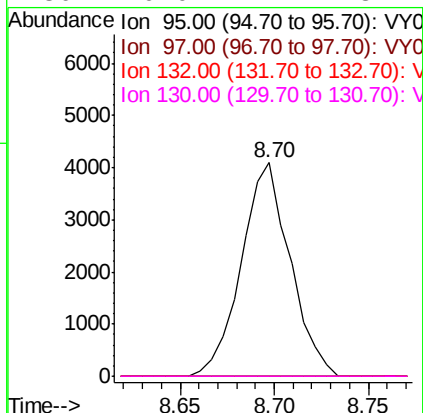
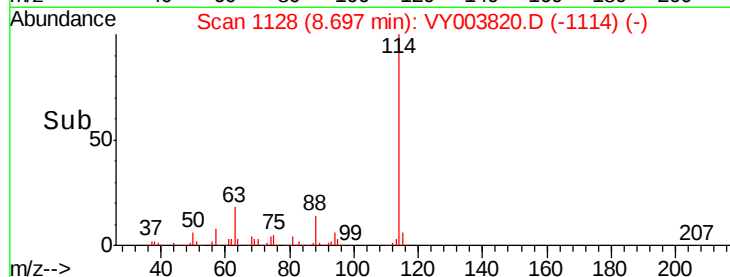
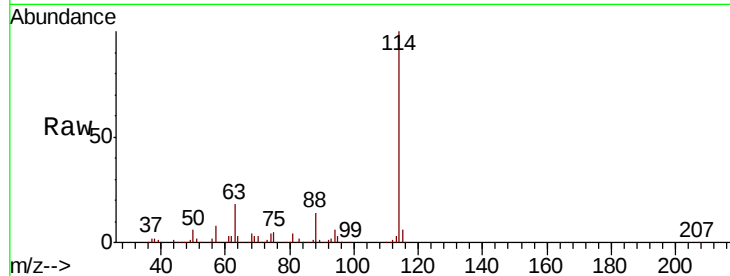
Ion Ratio Lower Upper

95 100

97 0.0 45.4 84.4#

132 0.0 70.8 131.4#

130 0.0 74.1 137.7#



#42

cis-1,3-Dichloropropene

Concen: 0.469 ug/L

RT: 9.89 min Scan# 1324

Delta R.T. -0.04 min

Lab File: VY003820.D

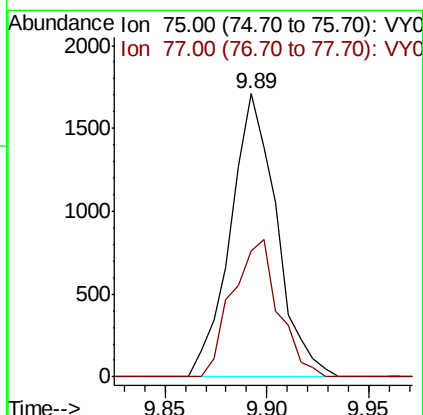
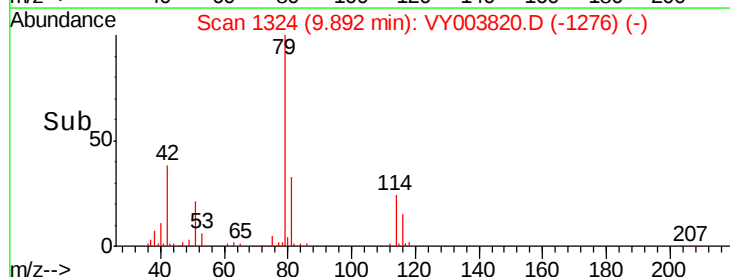
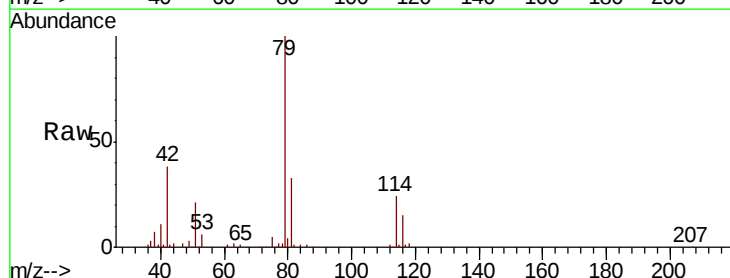
Acq: 18 Dec 2020 15:48

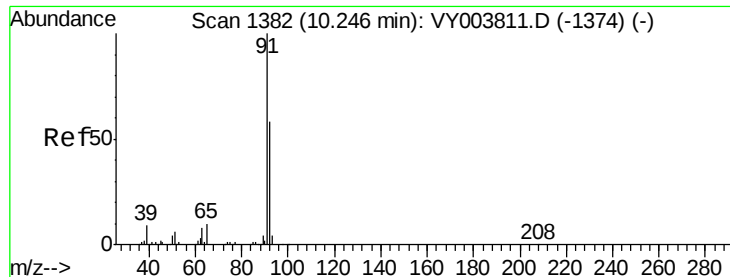
Tgt Ion: 75 Resp: 2684

Ion Ratio Lower Upper

75 100

77 44.4 21.3 39.6#





#44

Toluene

Concen: 0.480 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VY003820.D

Acq: 18 Dec 2020 15:48

Instrument :

MSVOA_Y

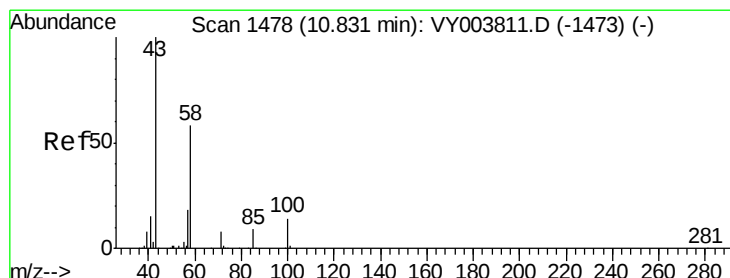
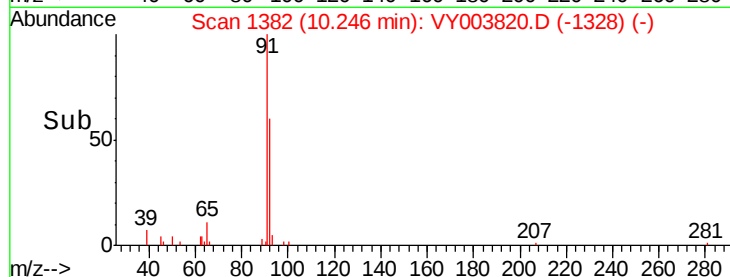
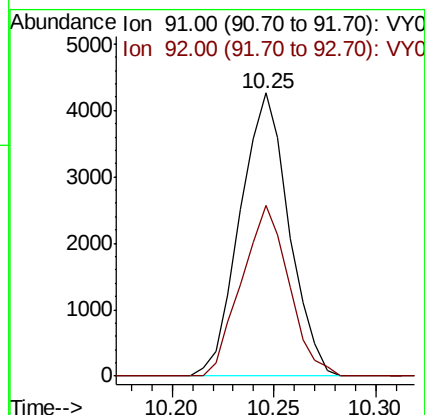
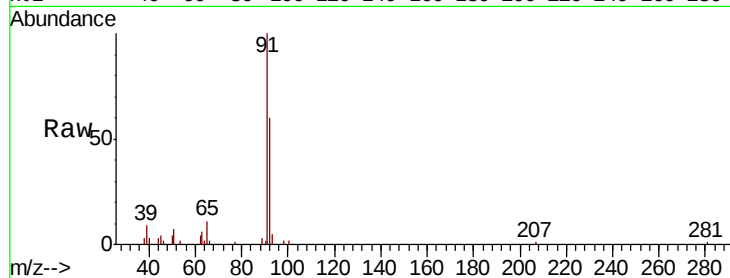
ClientSampleId :

Tot Ion: 91 Resp: 7083

Ion Ratio Lower Upper

91 100

92 60.3 39.9 74.1



#49

2-Hexanone

Concen: 1.400 ug/L

RT: 10.79 min Scan# 1471

Delta R.T. -0.04 min

Lab File: VY003820.D

Acq: 18 Dec 2020 15:48

Tgt Ion: 43 Resp: 3355

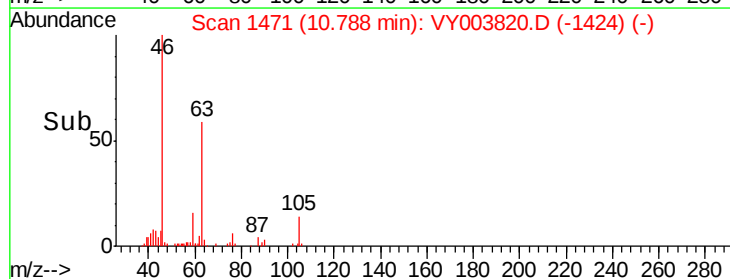
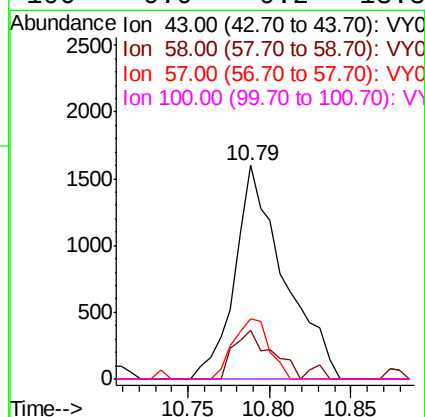
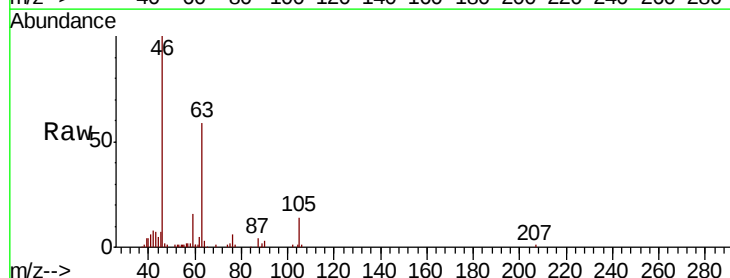
Ion Ratio Lower Upper

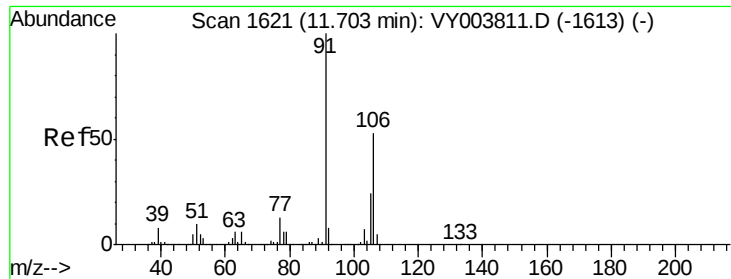
43 100

58 17.7 43.0 64.4#

57 20.6 14.1 21.1

100 0.0 9.2 13.8#





#54

m,p-Xylene

Concen: 0.315 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VY003820.D

Acq: 18 Dec 2020 15:48

Instrument :

MSVOA_Y

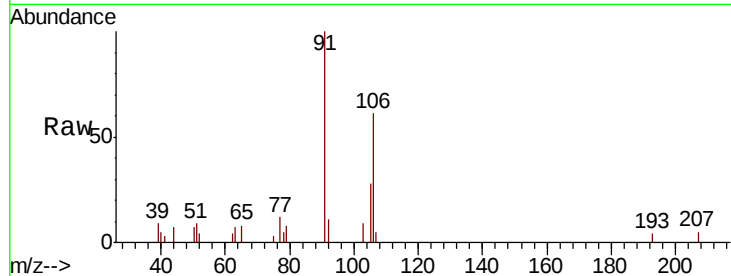
ClientSampleId :

Tot Ion:106 Resp: 1962

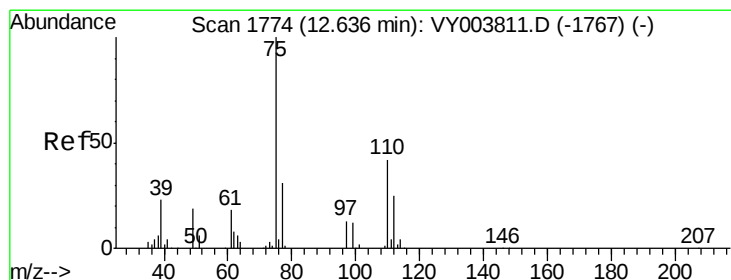
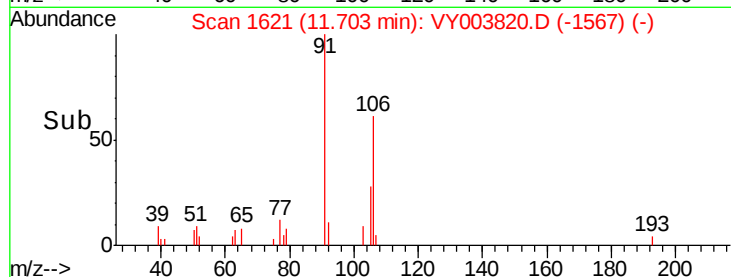
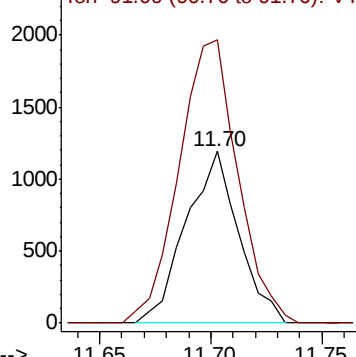
Ion Ratio Lower Upper

106 100

91 164.8 136.4 253.4



Abundance Ion 106.00 (105.70 to 106.70): VY003820.D (-1567) (-)



#59

1,2,3-Trichloropropane

Concen: 3.256 ug/L

RT: 13.42 min Scan# 1903

Delta R.T. 0.79 min

Lab File: VY003820.D

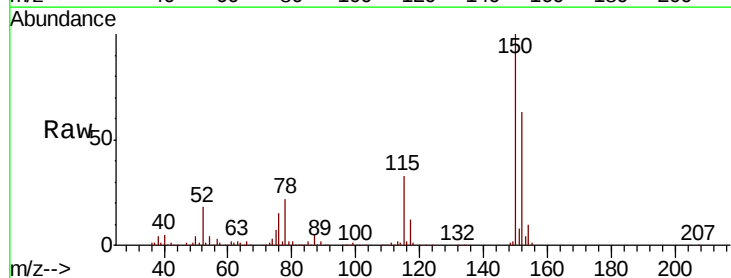
Acq: 18 Dec 2020 15:48

Tgt Ion: 75 Resp: 9362

Ion Ratio Lower Upper

75 100

77 30.8 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VY003820.D (-1446) (-)

