

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112420\
 Data File : VY003602.D
 Acq On : 24 Nov 2020 14:10
 Operator : SY/MD
 Sample : L4860-08
 Misc : 4.55G/10ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 25 06:03:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111920S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 25 06:01:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	204794	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	186060	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	80503	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	60732	26.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.64%
7) Chloroethane-d5	2.77	69	47995	22.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.68%
10) 1,1-Dichloroethene-d2	3.85	63	100974	18.10	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.40%
20) 2-Butanone-d5	6.90	46	38485	33.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	67.64%
24) Chloroform-d	7.49	84	128225	24.63	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.52%
26) 1,2-Dichloroethane-d4	8.14	65	69788	23.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.68%
29) Benzene-d6	8.11	84	269217	24.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.36%
33) 1,2-Dichloropropane-d6	9.13	67	81547	25.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.64%
37) Toluene-d8	10.18	98	241290	24.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.40%
38) trans-1,3-Dichloropropene-	10.44	79	36791	23.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.80%
39) 2-Hexanone-d5	10.79	63	28857	34.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.84%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	55148	19.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.68%
61) 1,2-Dichlorobenzene-d4	13.72	152	65542	25.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.88%

Target Compounds

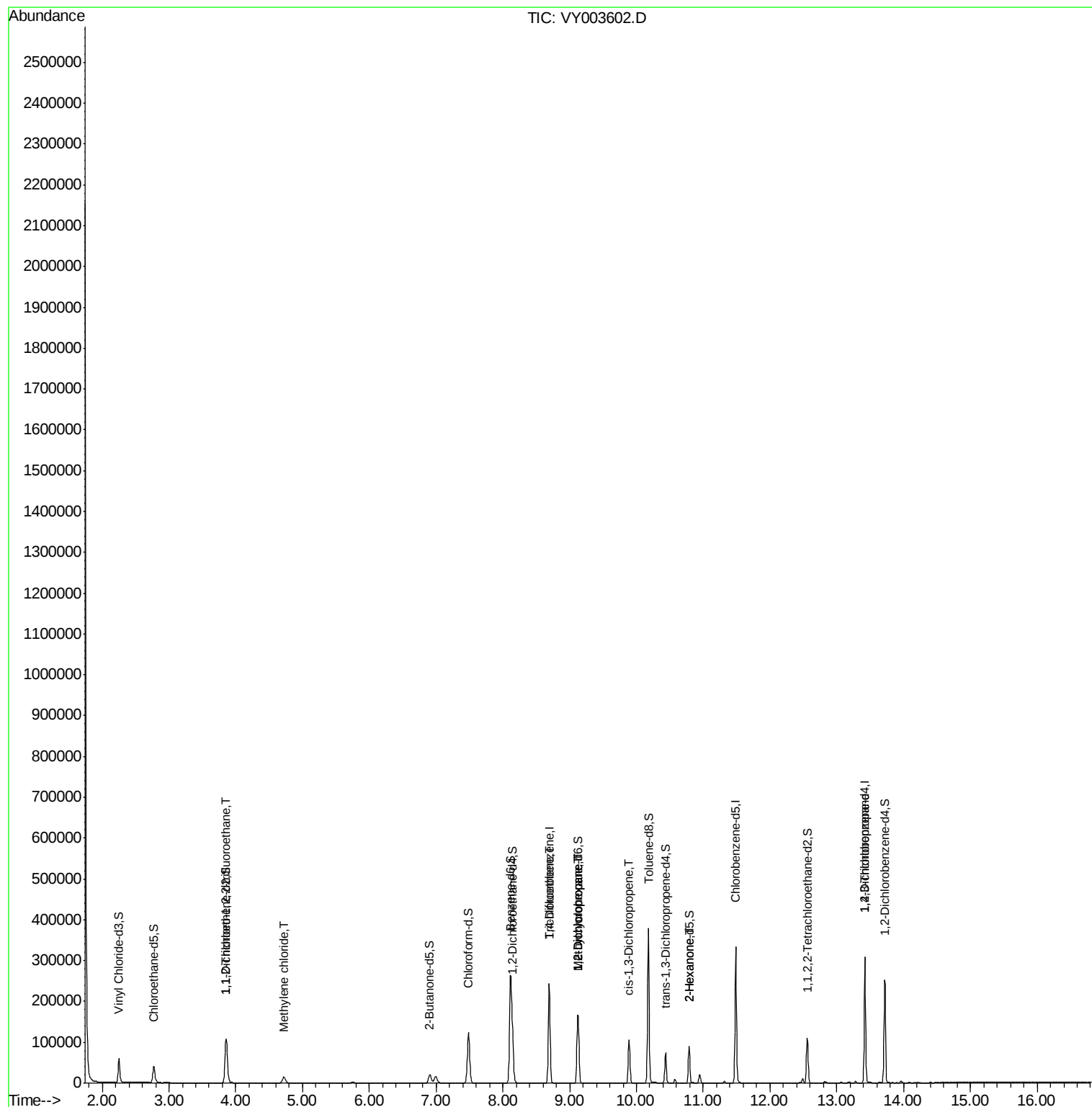
					Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	3.86	101	900	0.332 ug/L #	17
16) Methylene chloride	4.72	84	10838	3.087 ug/L	96
35) Trichloroethene	8.69	95	5643	1.899 ug/L #	2
36) Methylcyclohexane	9.12	83	18538	3.990 ug/L #	19
40) 1,2-Dichloropropane	9.12	63	8811	3.045 ug/L #	87
42) cis-1,3-Dichloropropene	9.89	75	2749	0.602 ug/L	92
49) 2-Hexanone	10.79	43	3645	1.906 ug/L #	69
59) 1,2,3-Trichloropropane	13.42	75	10255	4.830 ug/L	96

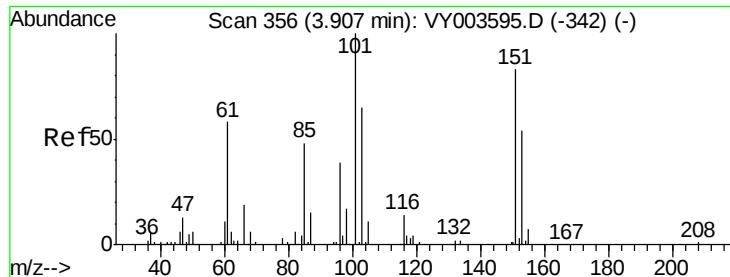
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 25 06:01:46 2020
Response via : Initial Calibration





#11

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

Concen: 0.332 ug/L

RT: 3.86 min Scan# 348

Delta R.T. -0.05 min

Lab File: VY003602.D

Acq: 24 Nov 2020 14:10

Instrument :

MSVOA_Y

ClientSampleId :

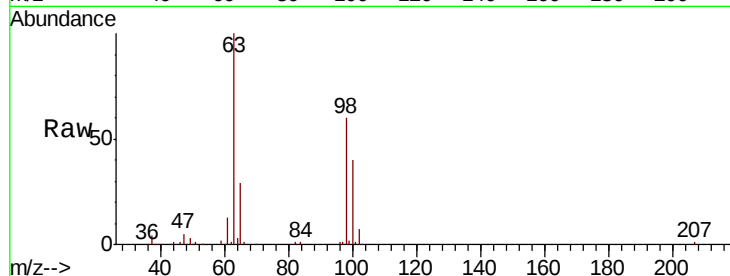
Tot Ion:101 Resp: 900

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

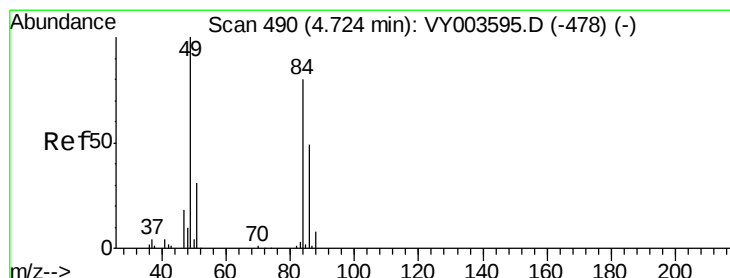
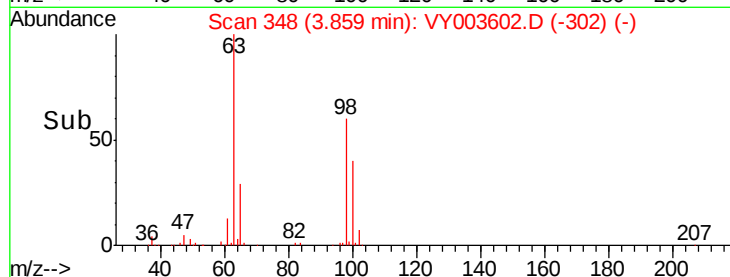
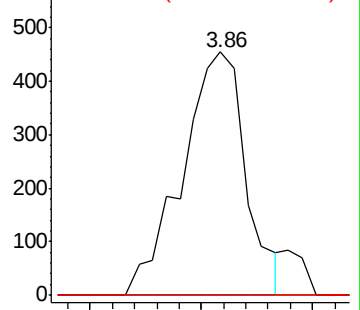
151 0.0 65.4 98.0#



Abundance Ion 101.00 (100.70 to 101.70): VY003595.D (-342) (-)

Ion 85.00 (84.70 to 85.70): VY003595.D (-342) (-)

Ion 151.00 (150.70 to 151.70): VY003595.D (-342) (-)



#16

Methylene chloride

Concen: 3.087 ug/L

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY003602.D

Acq: 24 Nov 2020 14:10

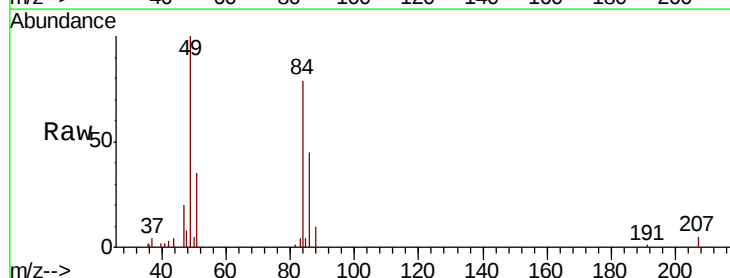
Tgt Ion: 84 Resp: 10838

Ion Ratio Lower Upper

84 100

49 127.4 90.3 167.7

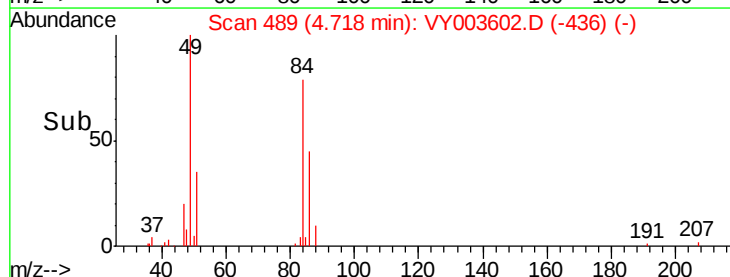
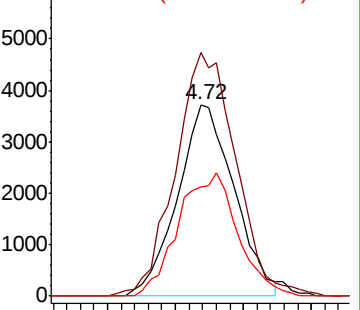
86 57.4 44.7 83.1

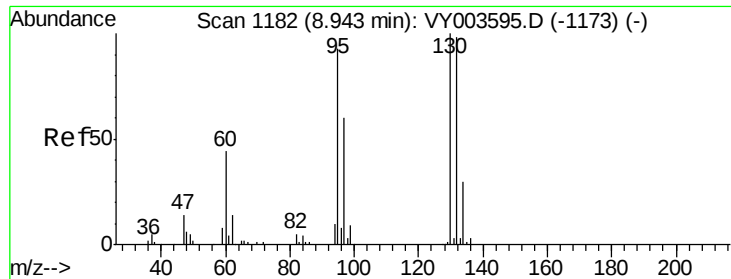


Abundance Ion 84.00 (83.70 to 84.70): VY003595.D (-478) (-)

Ion 49.00 (48.70 to 49.70): VY003595.D (-478) (-)

Ion 86.00 (85.70 to 86.70): VY003595.D (-478) (-)





#35

Trichloroethene

Concen: 1.899 ug/L

RT: 8.69 min Scan# 1141

Delta R.T. -0.25 min

Lab File: VY003602.D

Acq: 24 Nov 2020 14:10

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 95 Resp: 5643

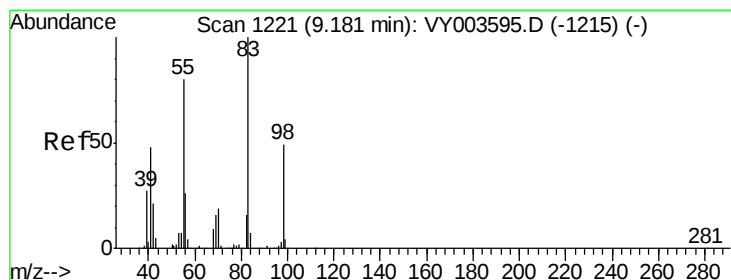
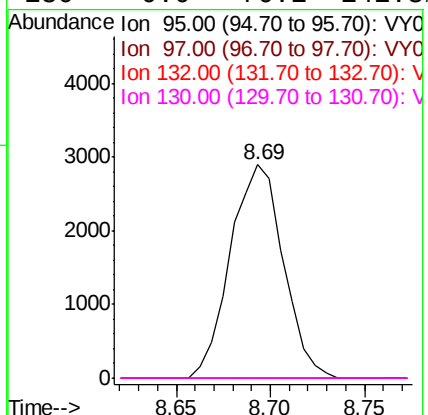
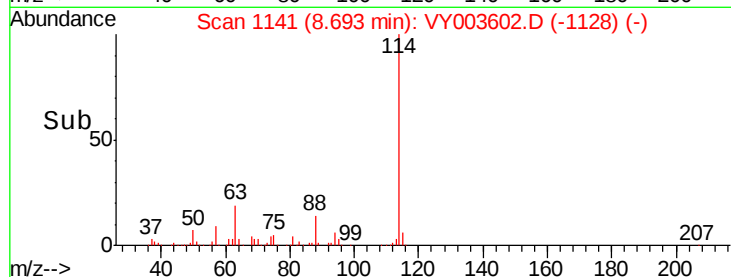
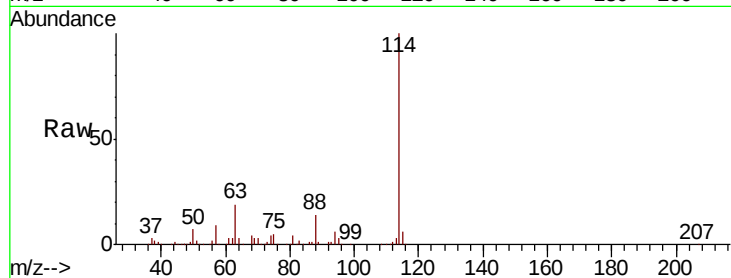
Ion Ratio Lower Upper

95 100

97 0.0 44.5 82.7#

132 0.0 73.1 135.7#

130 0.0 76.1 141.3#



#36

Methylcyclohexane

Concen: 3.990 ug/L

RT: 9.12 min Scan# 1211

Delta R.T. -0.06 min

Lab File: VY003602.D

Acq: 24 Nov 2020 14:10

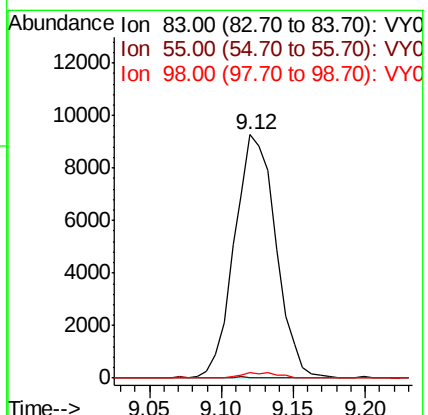
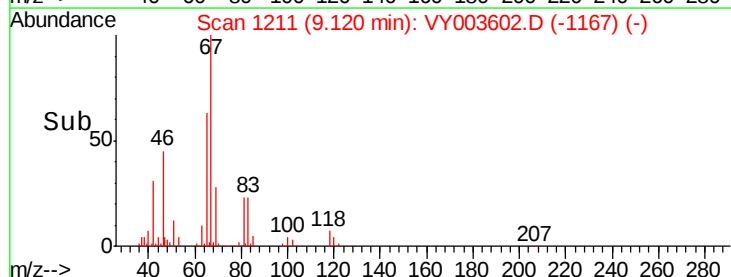
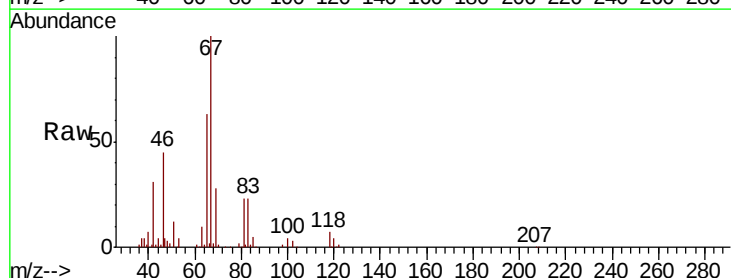
Tgt Ion: 83 Resp: 18538

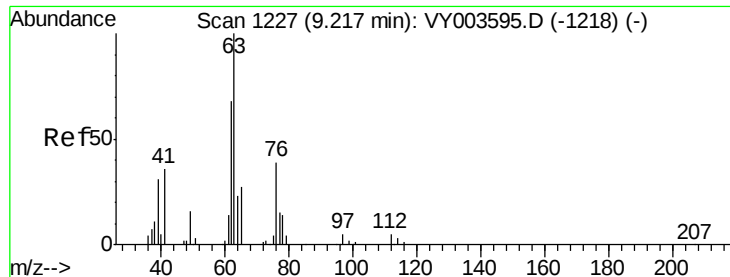
Ion Ratio Lower Upper

83 100

55 0.0 60.8 91.2#

98 1.9 40.6 61.0#

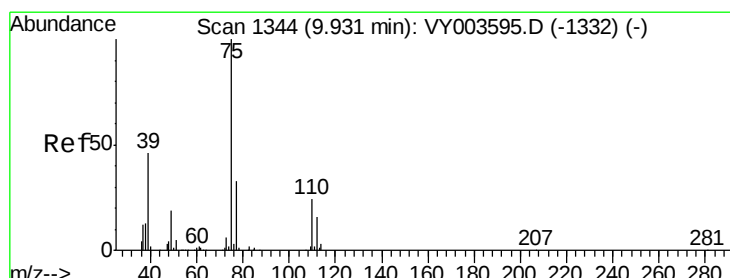
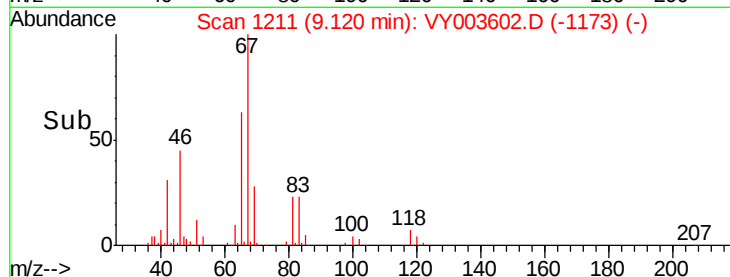
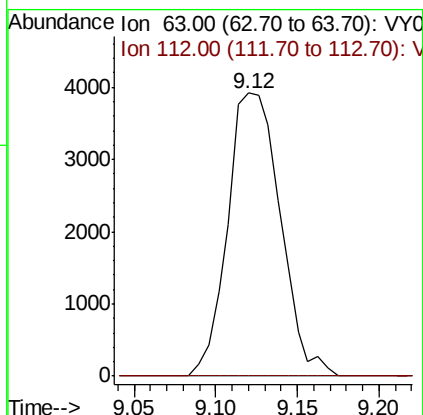
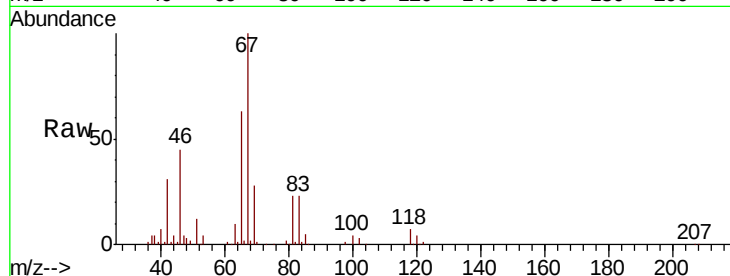




#40
 1,2-Dichloropropane
 Concen: 3.045 ug/L
 RT: 9.12 min Scan# 1211
 Delta R.T. -0.10 min
 Lab File: VY003602.D
 Acq: 24 Nov 2020 14:10

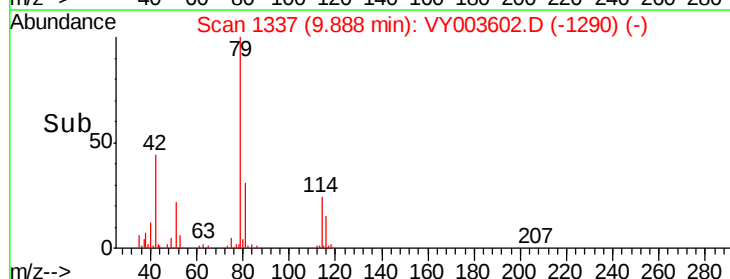
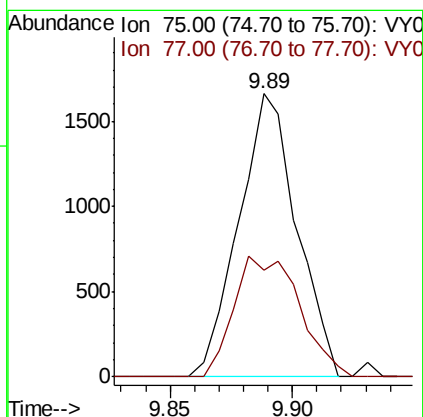
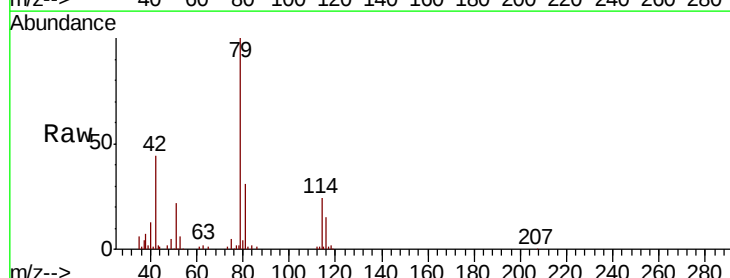
Instrument :
 MSVOA_Y
 ClientSampleId :

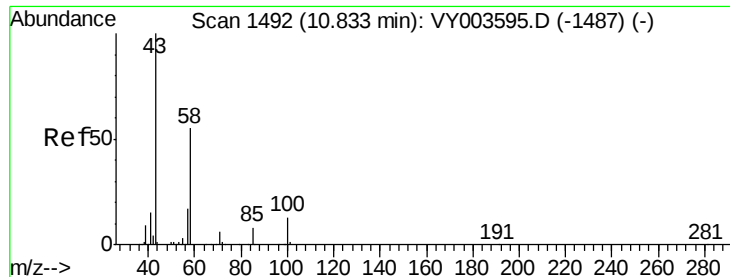
Tot Ion: 63 Resp: 8811
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#42
 cis-1,3-Dichloropropene
 Concen: 0.602 ug/L
 RT: 9.89 min Scan# 1337
 Delta R.T. -0.04 min
 Lab File: VY003602.D
 Acq: 24 Nov 2020 14:10

Tgt Ion: 75 Resp: 2749
 Ion Ratio Lower Upper
 75 100
 77 37.7 23.2 43.0





#49

2-Hexanone

Concen: 1.906 ug/L

RT: 10.79 min Scan# 1485

Delta R.T. -0.04 min

Lab File: VY003602.D

Acq: 24 Nov 2020 14:10

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 43 Resp: 3645

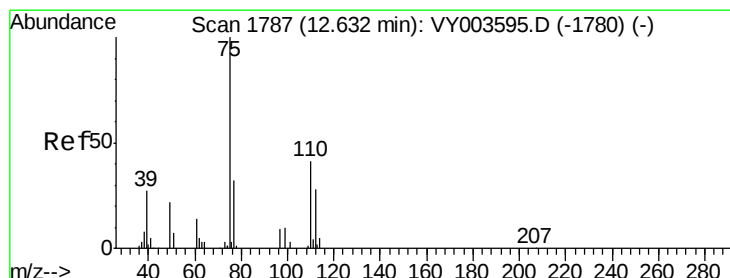
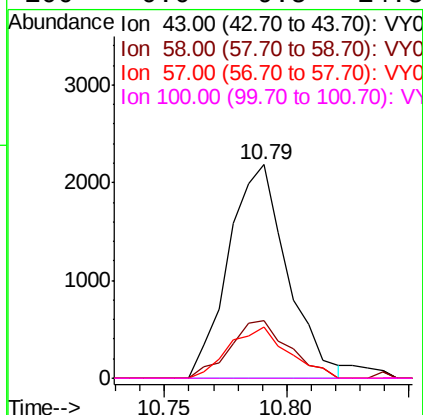
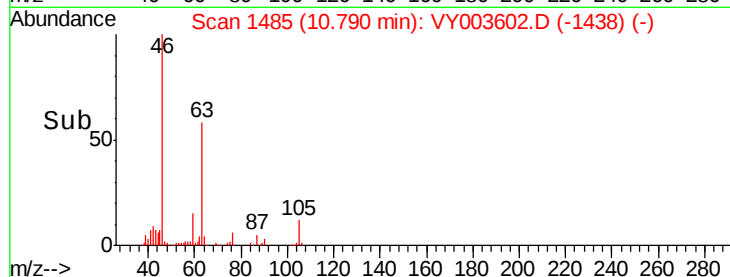
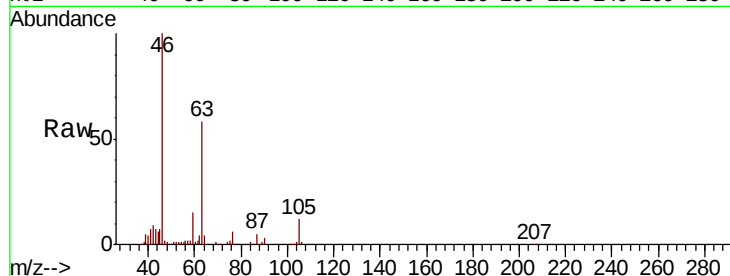
Ion Ratio Lower Upper

43 100

58 27.2 42.1 63.1#

57 24.0 14.2 21.2#

100 0.0 9.5 14.3#



#59

1,2,3-Trichloropropane

Concen: 4.830 ug/L

RT: 13.42 min Scan# 1916

Delta R.T. 0.79 min

Lab File: VY003602.D

Acq: 24 Nov 2020 14:10

Tgt Ion: 75 Resp: 10255

Ion Ratio Lower Upper

75 100

77 30.3 26.2 39.2

