

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121820\
 Data File : VY003816.D
 Acq On : 18 Dec 2020 14:13
 Operator : SY/MD
 Sample : L5151-01
 Misc : 4.97G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 19 00:18:41 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	310103	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	270895	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	108406	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	81992	19.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.52%
7) Chloroethane-d5	2.78	69	64940	20.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.32%
10) 1,1-Dichloroethene-d2	3.86	63	118811	13.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.44%
20) 2-Butanone-d5	6.90	46	39039	21.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	42.34%
24) Chloroform-d	7.49	84	153358	19.04	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	76.16%
26) 1,2-Dichloroethane-d4	8.15	65	78438	17.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	68.88%#
29) Benzene-d6	8.12	84	342798	21.86	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.44%
33) 1,2-Dichloropropane-d6	9.12	67	98611	20.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	80.80%
37) Toluene-d8	10.18	98	306328	21.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.36%
38) trans-1,3-Dichloropropene-	10.44	79	40916	17.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	68.76%
39) 2-Hexanone-d5	10.79	63	33559	24.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	49.86%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	64738	15.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	60.68%
61) 1,2-Dichlorobenzene-d4	13.72	152	82315	21.14	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.56%

Target Compounds

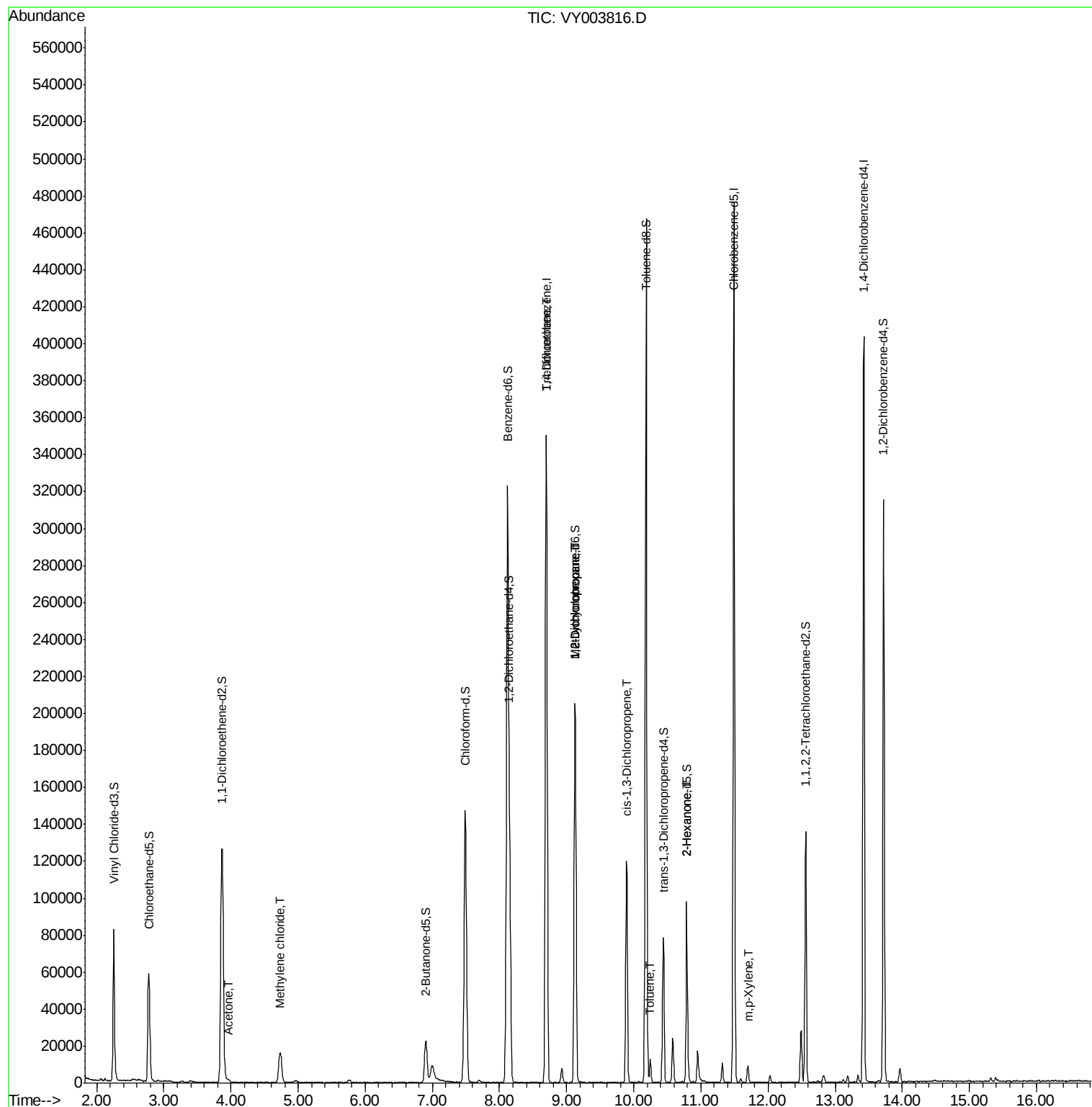
					Ovalue
13) Acetone	3.97	43	2357	1.854 ug/L	85
16) Methylene chloride	4.73	84	13105	2.354 ug/L	91
35) Trichloroethene	8.70	95	8974	1.940 ug/L #	3
36) Methylcyclohexane	9.12	83	23521	3.001 ug/L #	19
40) 1,2-Dichloropropane	9.12	63	10313	2.309 ug/L #	87
42) cis-1,3-Dichloropropene	9.89	75	3219	0.453 ug/L #	74
44) Toluene	10.25	91	8822	0.482 ug/L	94
49) 2-Hexanone	10.79	43	4105	1.381 ug/L #	62
54) m,p-Xylene	11.70	106	2833	0.367 ug/L	95

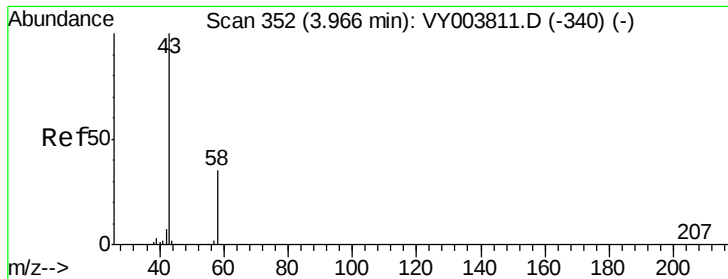
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 1.854 ug/L

RT: 3.97 min Scan# 352

Delta R.T. -0.00 min

Lab File: VY003816.D

Acq: 18 Dec 2020 14:13

Instrument :

MSVOA_Y

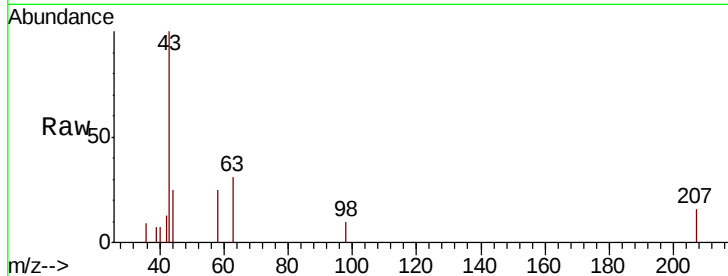
ClientSampleId :

Tot Ion: 43 Resp: 2357

Ion Ratio Lower Upper

43 100

58 24.2 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VY003811.D (-340) (-)

Ion 58.00 (57.70 to 58.70): VY003811.D (-340) (-)

3.97

800

600

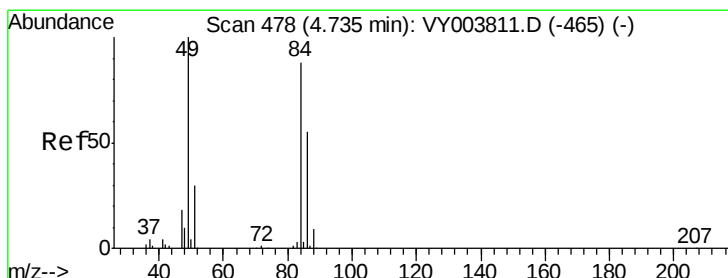
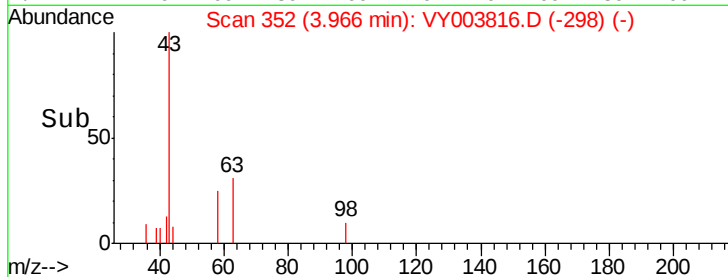
400

200

0

3.90 3.95 4.00 4.05

Time-->



#16

Methylene chloride

Concen: 2.354 ug/L

RT: 4.73 min Scan# 478

Delta R.T. -0.00 min

Lab File: VY003816.D

Acq: 18 Dec 2020 14:13

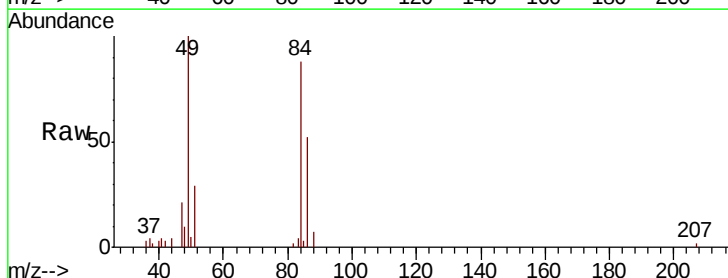
Tgt Ion: 84 Resp: 13105

Ion Ratio Lower Upper

84 100

49 113.1 88.2 163.8

86 58.8 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) (-)

4.73

6000

5000

4000

3000

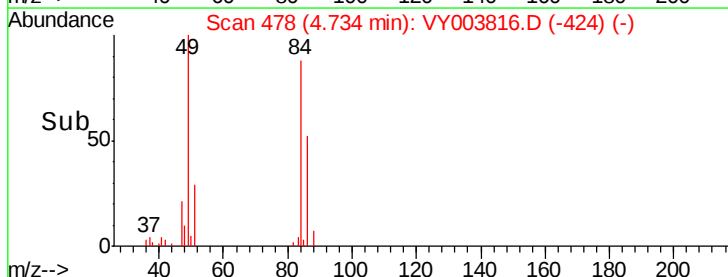
2000

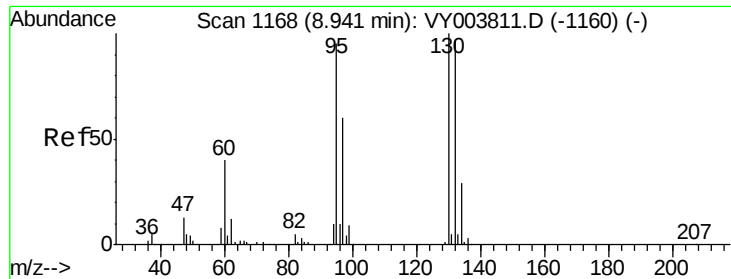
1000

0

4.70 4.75 4.80

Time-->





#35

Trichloroethene

Concen: 1.940 ug/L

RT: 8.70 min Scan# 1128

Delta R.T. -0.24 min

Lab File: VY003816.D

Acq: 18 Dec 2020 14:13

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 95 Resp: 8974

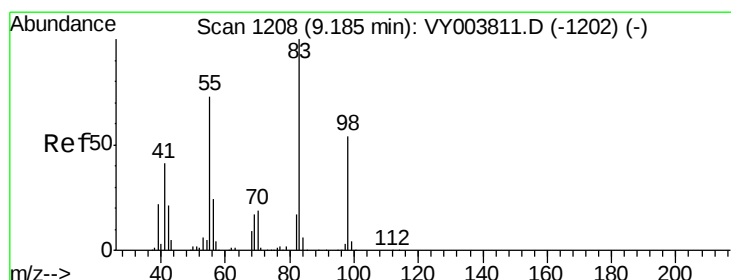
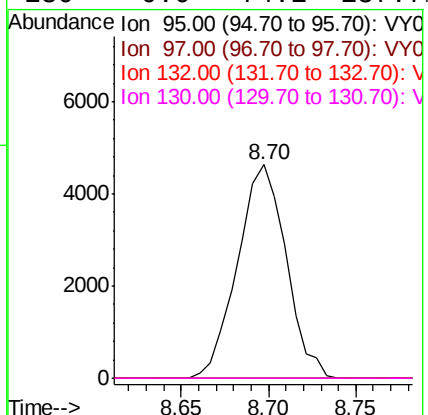
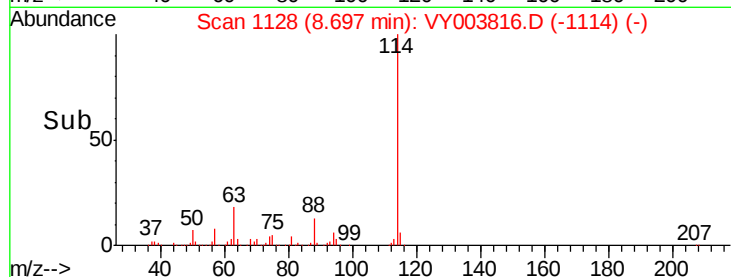
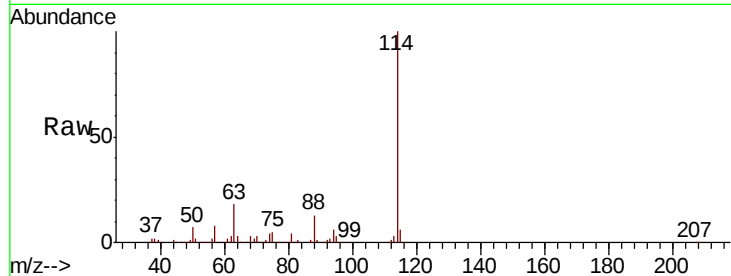
Ion Ratio Lower Upper

95 100

97 0.0 45.4 84.4#

132 0.5 70.8 131.4#

130 0.0 74.1 137.7#



#36

Methylcyclohexane

Concen: 3.001 ug/L

RT: 9.12 min Scan# 1198

Delta R.T. -0.06 min

Lab File: VY003816.D

Acq: 18 Dec 2020 14:13

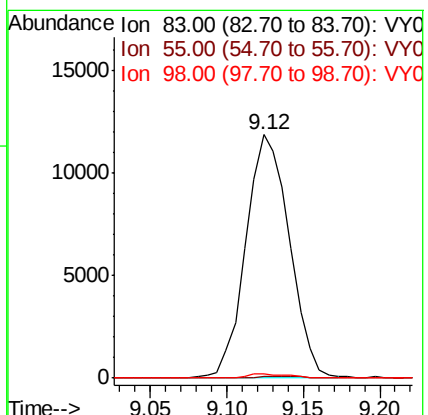
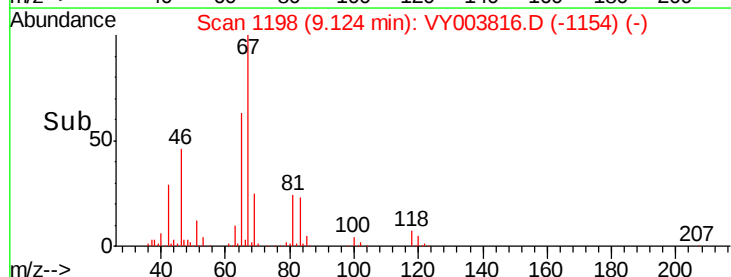
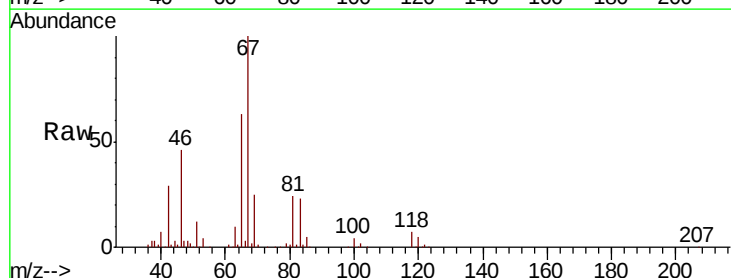
Tgt Ion: 83 Resp: 23521

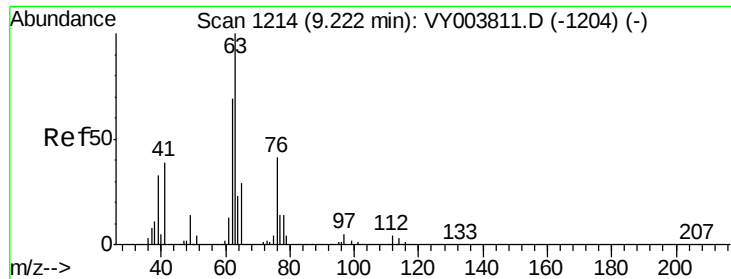
Ion Ratio Lower Upper

83 100

55 0.5 60.3 90.5#

98 1.3 40.4 60.6#

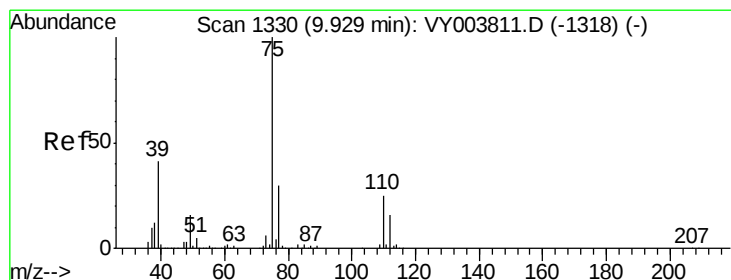
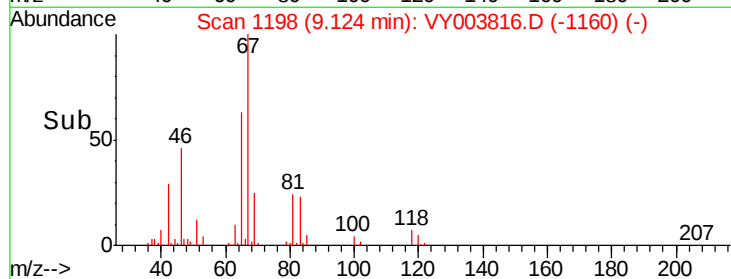
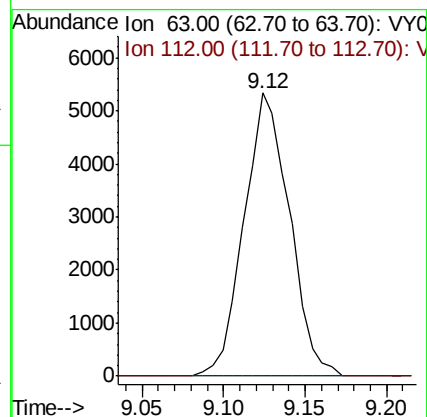
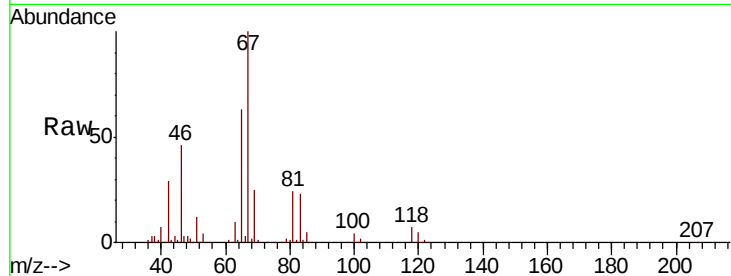




#40
 1,2-Dichloropropane
 Concen: 2.309 ug/L
 RT: 9.12 min Scan# 1198
 Delta R.T. -0.10 min
 Lab File: VY003816.D
 Acq: 18 Dec 2020 14:13

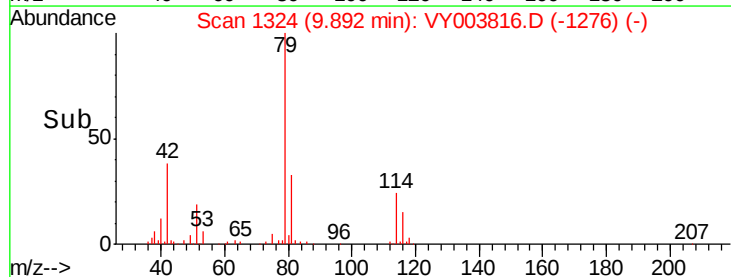
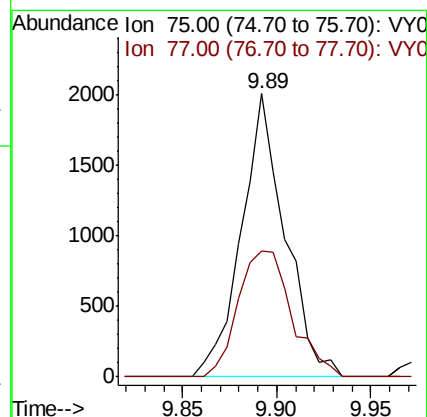
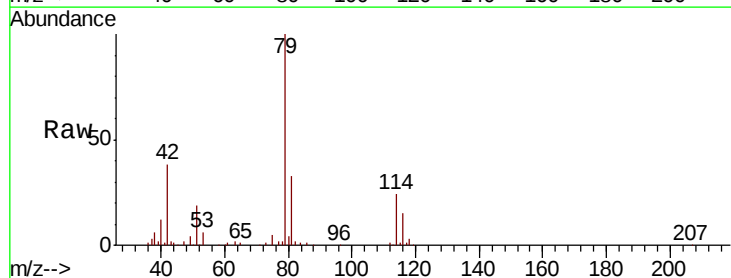
Instrument :
 MSVOA_Y
 ClientSampleId :

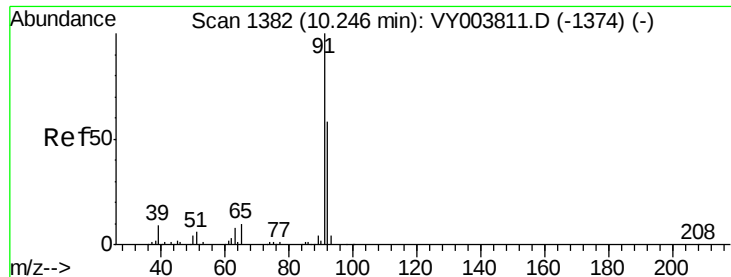
Tot Ion: 63 Resp: 10313
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#42
 cis-1,3-Dichloropropene
 Concen: 0.453 ug/L
 RT: 9.89 min Scan# 1324
 Delta R.T. -0.04 min
 Lab File: VY003816.D
 Acq: 18 Dec 2020 14:13

Tgt Ion: 75 Resp: 3219
 Ion Ratio Lower Upper
 75 100
 77 44.7 21.3 39.6#





#44

Toluene

Concen: 0.482 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VY003816.D

Acq: 18 Dec 2020 14:13

Instrument :

MSVOA_Y

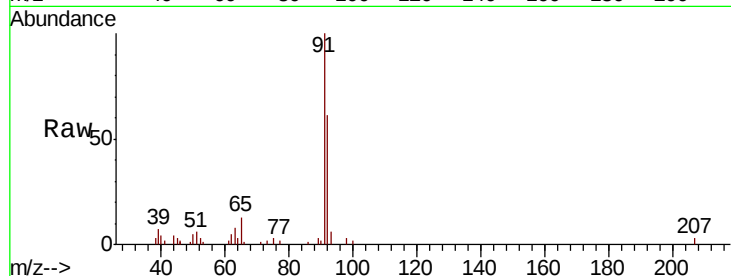
ClientSampleId :

Tot Ion: 91 Resp: 8822

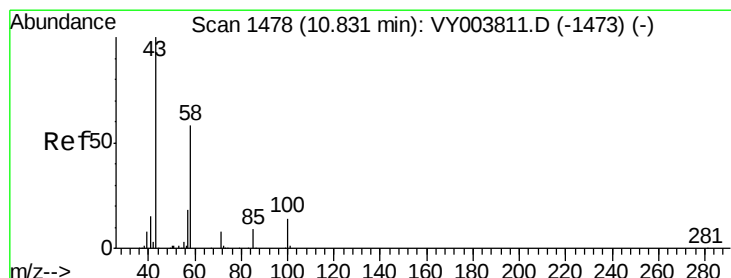
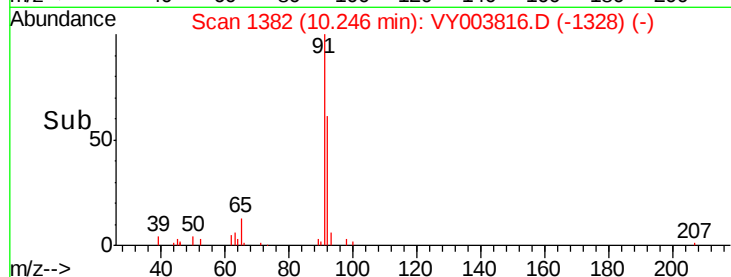
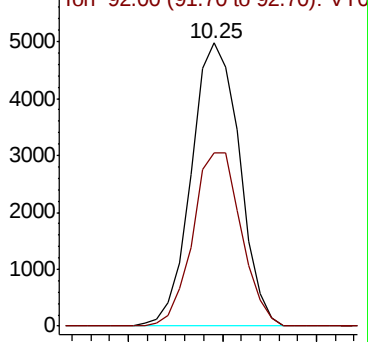
Ion Ratio Lower Upper

91 100

92 61.4 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VY003816.D (-1374) (-)



#49

2-Hexanone

Concen: 1.381 ug/L

RT: 10.79 min Scan# 1471

Delta R.T. -0.04 min

Lab File: VY003816.D

Acq: 18 Dec 2020 14:13

Tgt Ion: 43 Resp: 4105

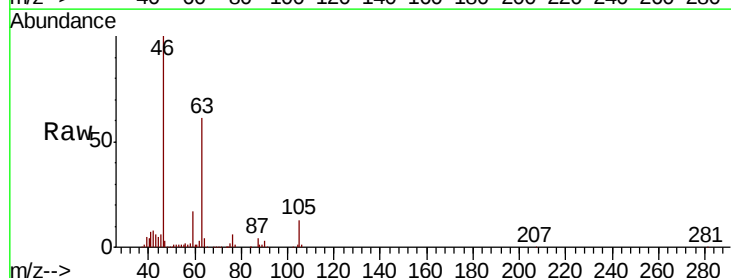
Ion Ratio Lower Upper

43 100

58 20.2 43.0 64.4#

57 24.7 14.1 21.1#

100 0.0 9.2 13.8#

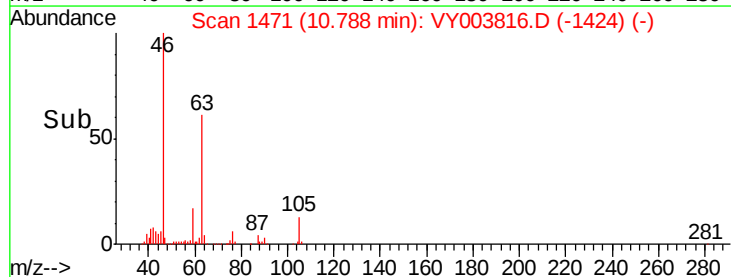
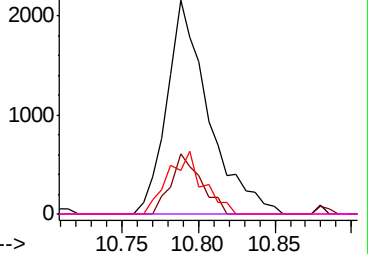


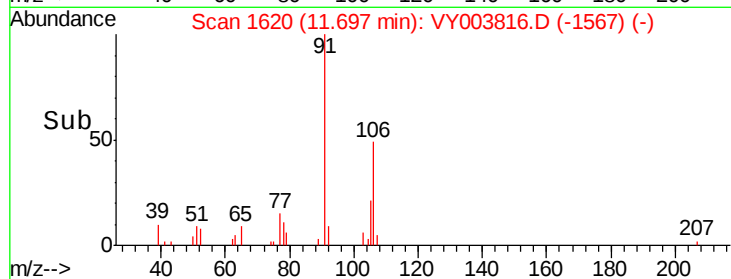
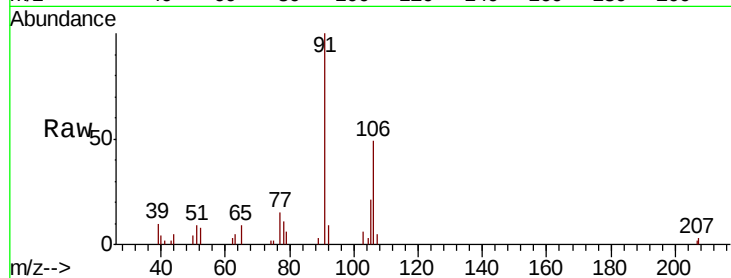
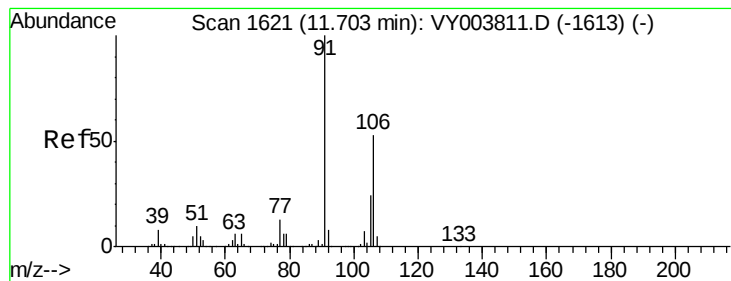
Abundance Ion 43.00 (42.70 to 43.70): VY003816.D (-1473) (-)

Ion 58.00 (57.70 to 58.70): VY003816.D (-1473) (-)

Ion 57.00 (56.70 to 57.70): VY003816.D (-1473) (-)

Ion 100.00 (99.70 to 100.70): VY003816.D (-1473) (-)





#54

m,p-Xylene

Concen: 0.367 ug/L

RT: 11.70 min Scan# 1620

Delta R.T. -0.01 min

Lab File: VY003816.D

Acq: 18 Dec 2020 14:13

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion:106 Resp: 2833

Ion Ratio Lower Upper

106 100

91 203.0 136.4 253.4

