

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121820\
 Data File : VY003818.D
 Acq On : 18 Dec 2020 15:02
 Operator : SY/MD
 Sample : L5151-05
 Misc : 5.16G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 19 00:18:57 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	209158	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	174131	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	60664	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	63554	22.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.08%
7) Chloroethane-d5	2.77	69	52665	24.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.00%
10) 1,1-Dichloroethene-d2	3.86	63	87338	14.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.24%
20) 2-Butanone-d5	6.90	46	33455	26.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	53.80%
24) Chloroform-d	7.49	84	116601	21.47	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.88%
26) 1,2-Dichloroethane-d4	8.15	65	62153	20.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	80.96%
29) Benzene-d6	8.12	84	257919	25.59	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.36%
33) 1,2-Dichloropropane-d6	9.12	67	75531	24.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.28%
37) Toluene-d8	10.18	98	224899	24.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.64%
38) trans-1,3-Dichloropropene-	10.44	79	31662	20.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.80%
39) 2-Hexanone-d5	10.79	63	27074	31.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.56%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	52691	19.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	76.80%
61) 1,2-Dichlorobenzene-d4	13.72	152	54407	24.97	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.88%

Target Compounds

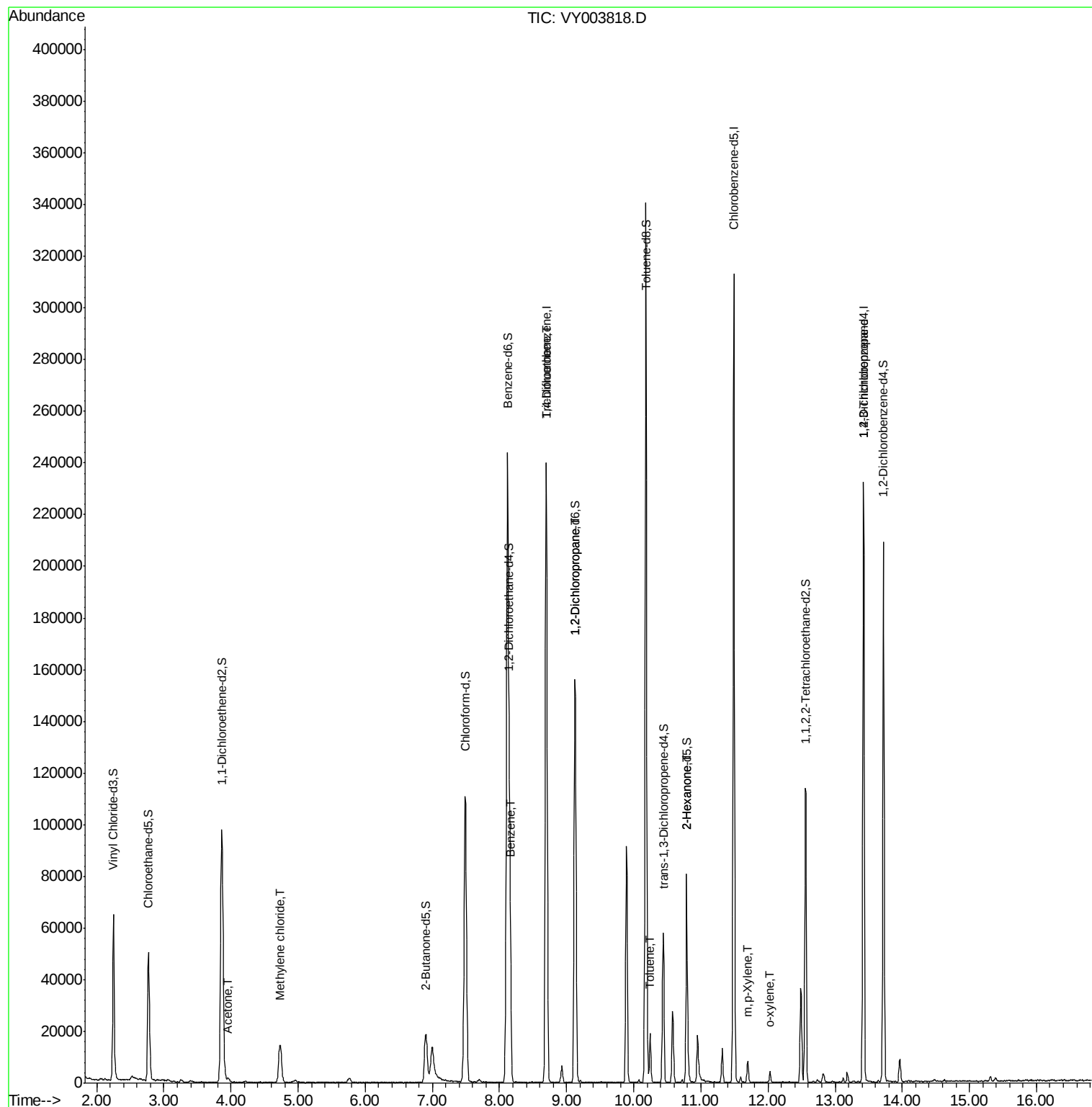
					Ovalue
13) Acetone	3.95	43	2318	2.703 ug/L	74
16) Methylene chloride	4.73	84	7160	1.907 ug/L	88
34) Benzene	8.17	78	2744	0.248 ug/L	100
35) Trichloroethene	8.70	95	5816	1.956 ug/L #	3
40) 1,2-Dichloropropane	9.12	63	8110	2.824 ug/L #	87
44) Toluene	10.25	91	13530	1.150 ug/L	97
49) 2-Hexanone	10.79	43	2842	1.487 ug/L #	68
54) m,p-Xylene	11.70	106	2649	0.534 ug/L	79
55) o-xylene	12.03	106	1170	0.251 ug/L	83
59) 1,2,3-Trichloropropane	13.42	75	6975	3.043 ug/L	95

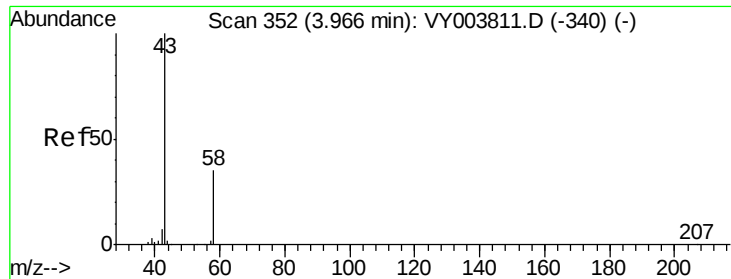
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Dec 19 00:17:11 2020
Response via : Initial Calibration





#13

Acetone

Concen: 2.703 ug/L

RT: 3.95 min Scan# 350

Delta R.T. -0.01 min

Lab File: VY003818.D

Acq: 18 Dec 2020 15:02

Instrument :

MSVOA_Y

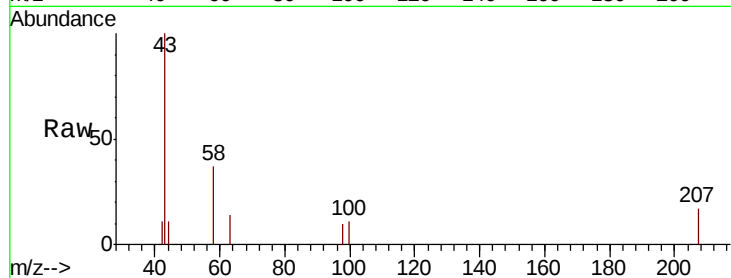
ClientSampleId :

Tot Ion: 43 Resp: 2318

Ion Ratio Lower Upper

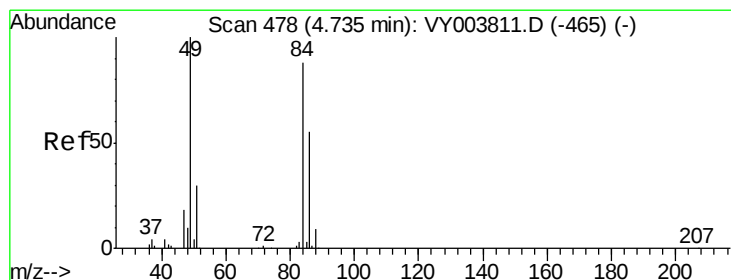
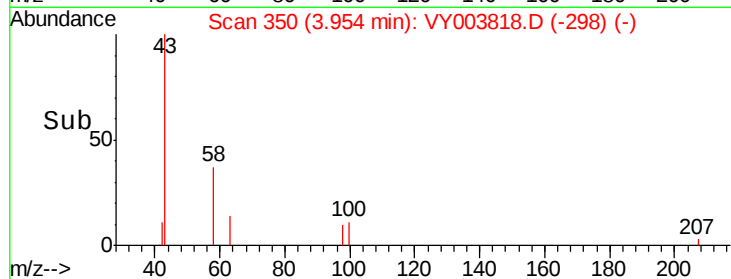
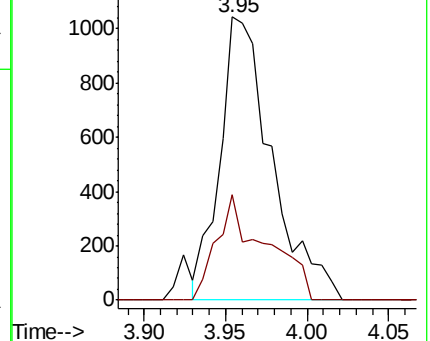
43 100

58 17.9 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: 1.907 ug/L

RT: 4.73 min Scan# 477

Delta R.T. -0.01 min

Lab File: VY003818.D

Acq: 18 Dec 2020 15:02

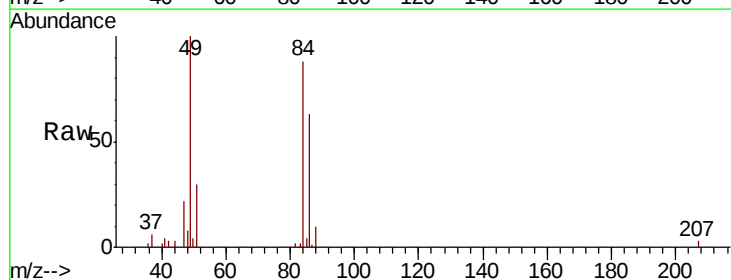
Tgt Ion: 84 Resp: 7160

Ion Ratio Lower Upper

84 100

49 113.1 88.2 163.8

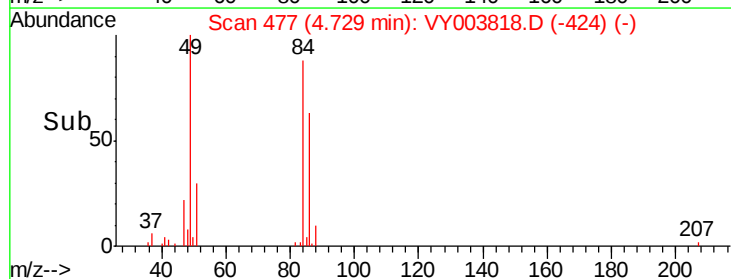
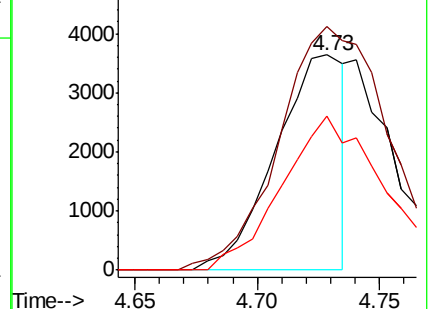
86 71.4 43.0 79.8

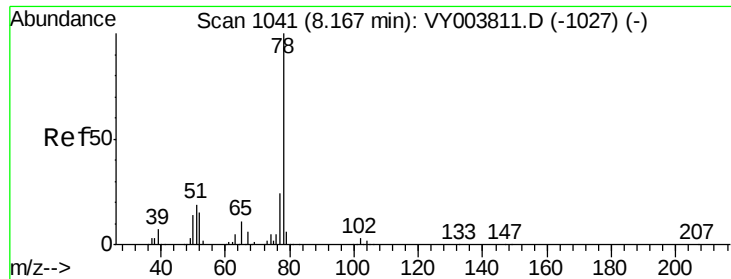


Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

Ion 86.00 (85.70 to 86.70): VY0





#34

Benzene

Concen: 0.248 ug/L

RT: 8.17 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VY003818.D

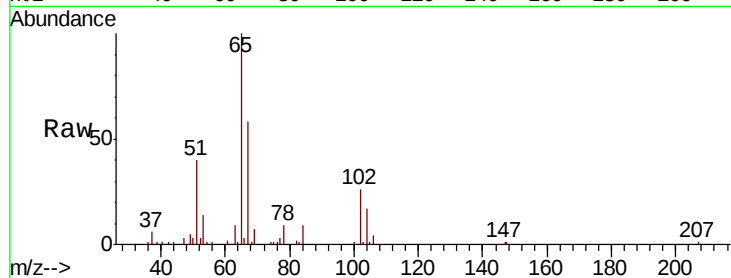
Acq: 18 Dec 2020 15:02

Instrument :

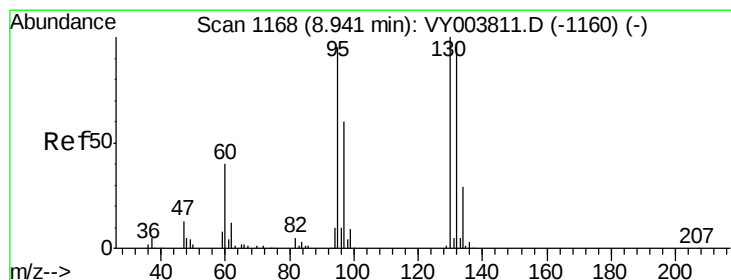
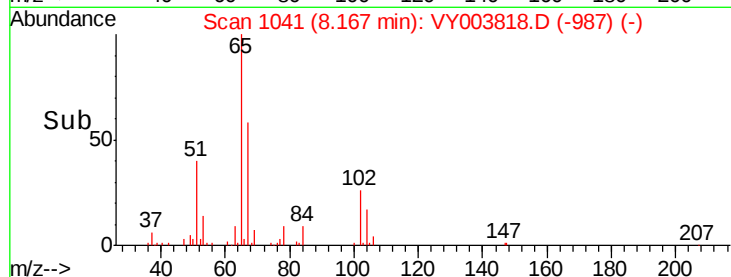
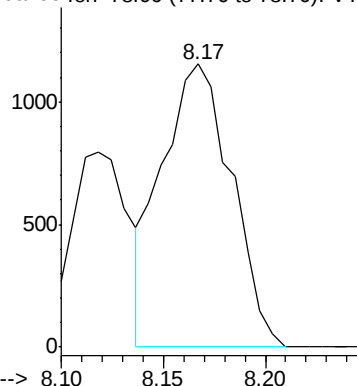
MSVOA_Y

ClientSampleId :

Tgt Ion: 78 Resp: 2744



Abundance Ion 78.00 (77.70 to 78.70): VY0



#35

Trichloroethene

Concen: 1.956 ug/L

RT: 8.70 min Scan# 1128

Delta R.T. -0.24 min

Lab File: VY003818.D

Acq: 18 Dec 2020 15:02

Tgt Ion: 95 Resp: 5816

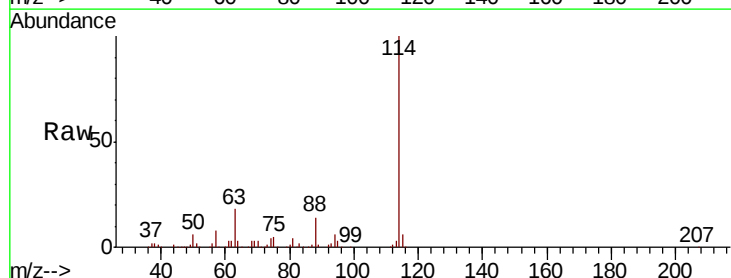
Ion Ratio Lower Upper

95 100

97 0.0 45.4 84.4#

132 0.8 70.8 131.4#

130 0.0 74.1 137.7#

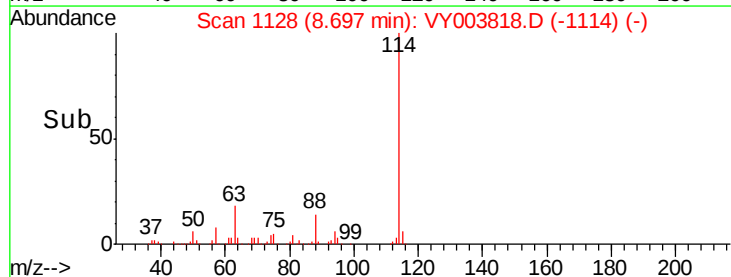
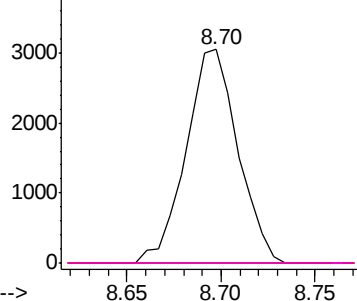


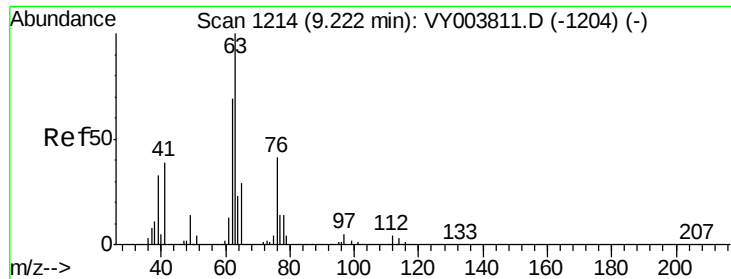
Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): VY0

Ion 130.00 (129.70 to 130.70): VY0

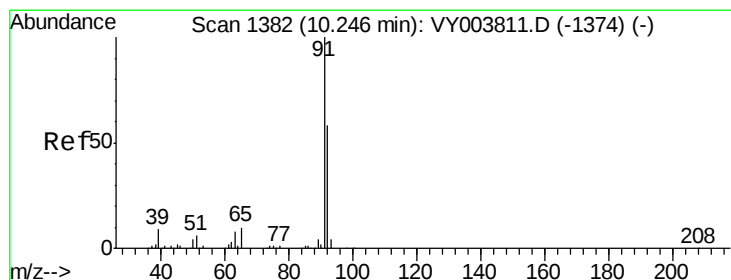
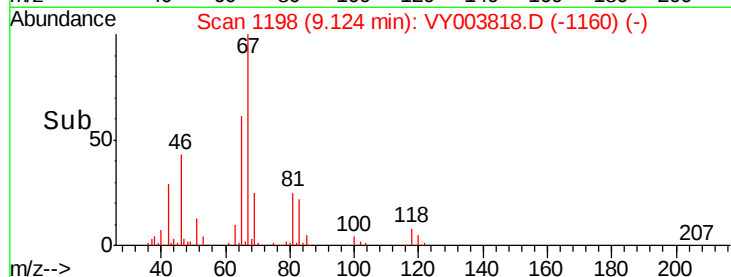
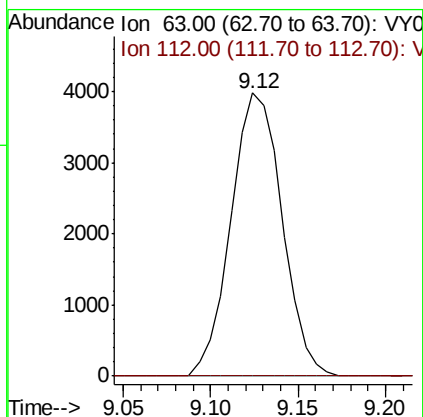
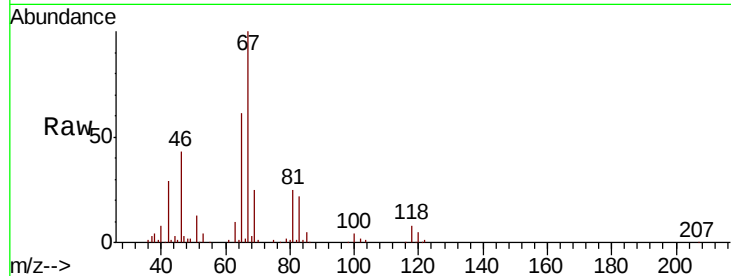




#40
 1,2-Dichloropropane
 Concen: 2.824 ug/L
 RT: 9.12 min Scan# 1198
 Delta R.T. -0.10 min
 Lab File: VY003818.D
 Acq: 18 Dec 2020 15:02

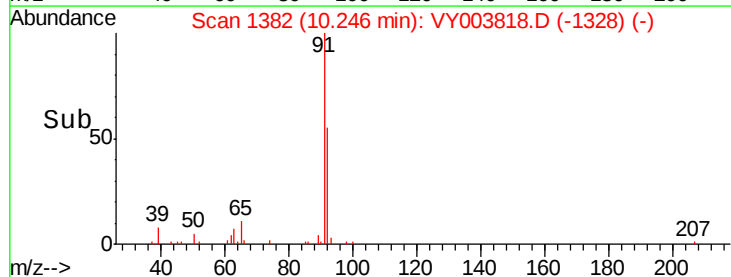
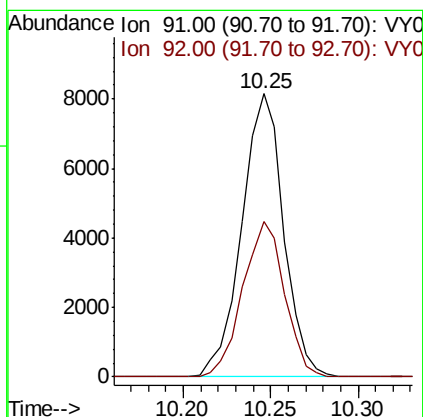
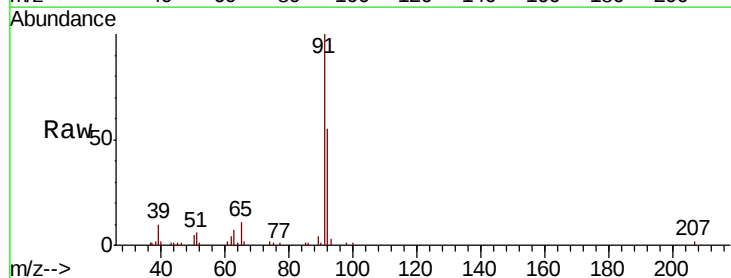
Instrument :
 MSVOA_Y
 ClientSampleId :

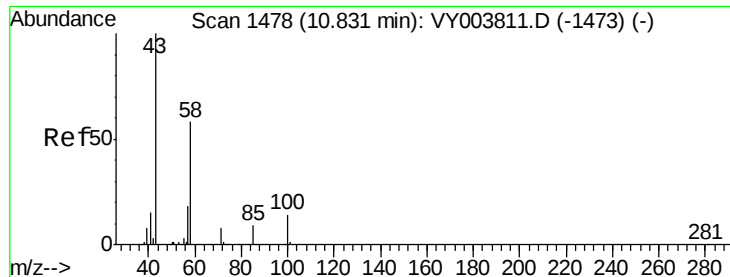
Tot Ion: 63 Resp: 8110
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#44
 Toluene
 Concen: 1.150 ug/L
 RT: 10.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VY003818.D
 Acq: 18 Dec 2020 15:02

Tgt Ion: 91 Resp: 13530
 Ion Ratio Lower Upper
 91 100
 92 54.8 39.9 74.1

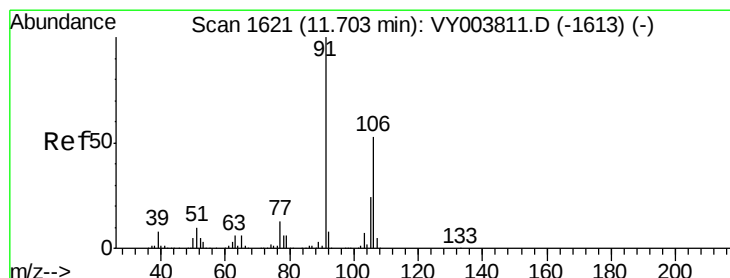
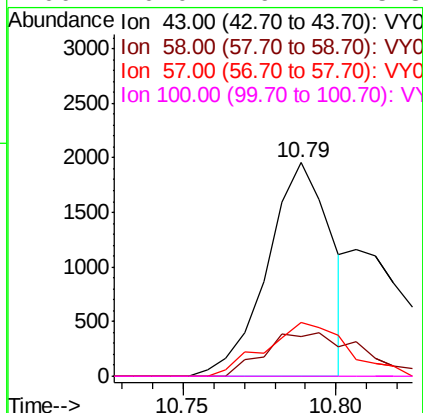
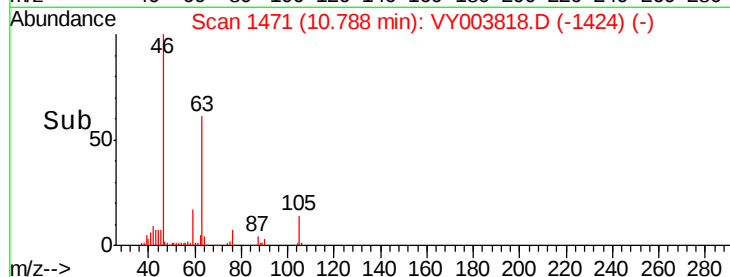
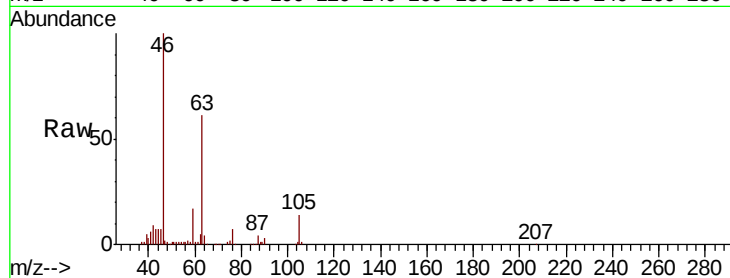




#49
2-Hexanone
Concen: 1.487 ug/L
RT: 10.79 min Scan# 1471
Delta R.T. -0.04 min
Lab File: VY003818.D
Acq: 18 Dec 2020 15:02

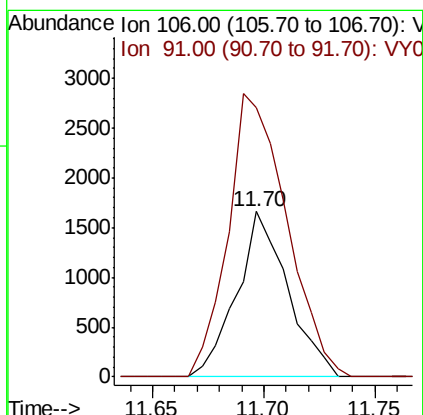
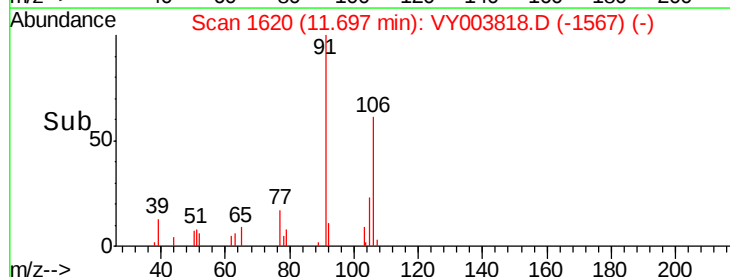
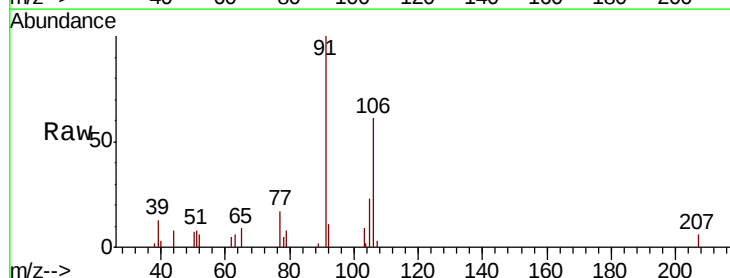
Instrument :
MSVOA_Y
ClientSampleId :

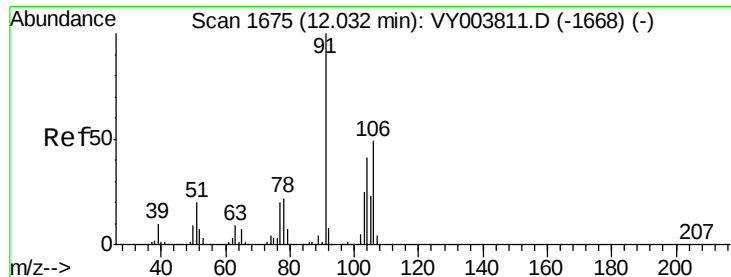
Tot Ion	43	Resp	2842
Ion Ratio	Lower	Upper	
43	100		
58	30.7	43.0	64.4#
57	32.4	14.1	21.1#
100	0.0	9.2	13.8#



#54
m,p-Xylene
Concen: 0.534 ug/L
RT: 11.70 min Scan# 1620
Delta R.T. -0.01 min
Lab File: VY003818.D
Acq: 18 Dec 2020 15:02

Tgt Ion	106	Resp	2649
Ion Ratio	Lower	Upper	
106	100		
91	163.3	136.4	253.4





#55

o-xylene

Concen: 0.251 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. -0.01 min

Lab File: VY003818.D

Acq: 18 Dec 2020 15:02

Instrument :

MSVOA_Y

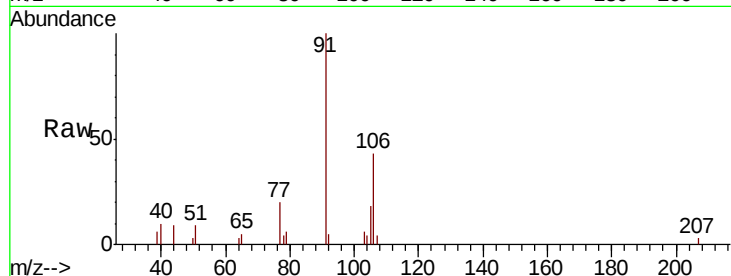
ClientSampleId :

Tot Ion:106 Resp: 1170

Ion Ratio Lower Upper

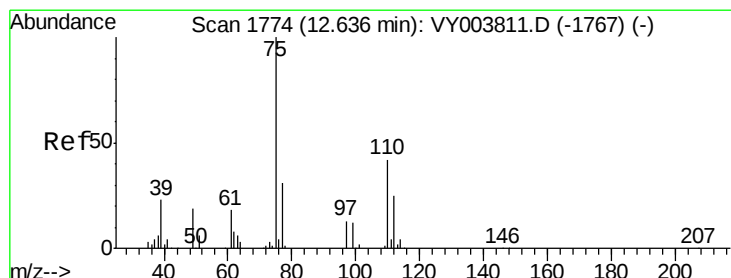
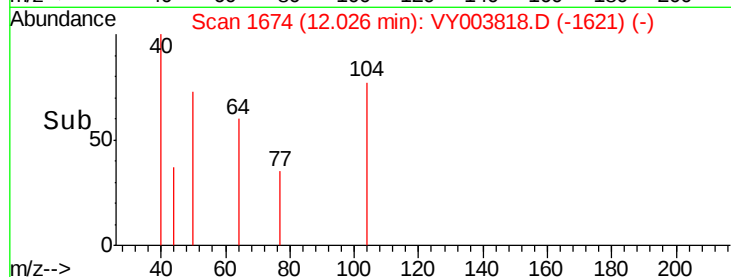
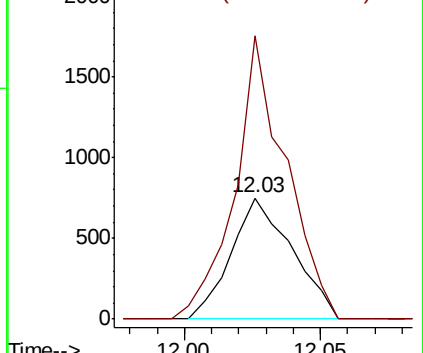
106 100

91 233.7 145.5 270.1



Abundance Ion 106.00 (105.70 to 106.70): VY003818.D (-1668) (-)

Ion 91.00 (90.70 to 91.70): VY003818.D (-1668) (-)



#59

1,2,3-Trichloropropane

Concen: 3.043 ug/L

RT: 13.42 min Scan# 1903

Delta R.T. 0.79 min

Lab File: VY003818.D

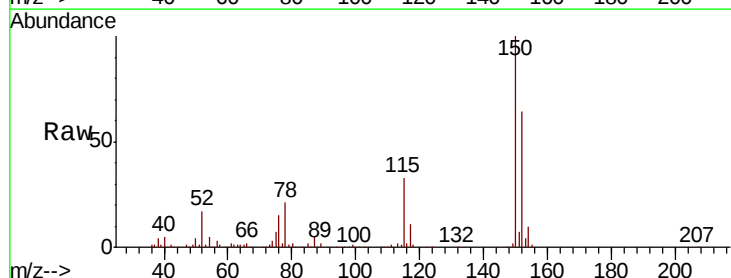
Acq: 18 Dec 2020 15:02

Tgt Ion: 75 Resp: 6975

Ion Ratio Lower Upper

75 100

77 34.9 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VY003818.D (-1767) (-)

Ion 77.00 (76.70 to 77.70): VY003818.D (-1767) (-)

