

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY123020\
 Data File : VY003866.D
 Acq On : 30 Dec 2020 16:06
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 31 03:19:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL122920SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 31 03:17:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	324348	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	311745	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	179609	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	96321	17.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.24%
7) Chloroethane-d5	2.77	69	84785	19.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.12%
11) 1,1-Dichloroethene-d2	3.86	63	192772	20.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.44%
21) 2-Butanone-d5	6.89	46	87957	42.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.30%
24) Chloroform-d	7.48	84	195831	21.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.44%
26) 1,2-Dichloroethane-d4	8.14	65	120759	21.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.64%
32) Benzene-d6	8.11	84	348131	20.09	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	80.36%
36) 1,2-Dichloropropane-d6	9.12	67	110129	21.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.16%
41) Toluene-d8	10.18	98	319842	19.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	77.96%
43) trans-1,3-Dichloropropene-	10.43	79	57605	19.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.88%
47) 2-Hexanone-d5	10.79	63	65944	41.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.20%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	110394	21.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.84%
66) 1,2-Dichlorobenzene-d4	13.72	152	139999	21.33	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.32%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	132360	24.359	ug/L 97
3) Chloromethane	2.12	50	152972	25.139	ug/L 99
5) Vinyl chloride	2.25	62	174679	27.056	ug/L 97
6) Bromomethane	2.66	94	105734	26.787	ug/L 97
8) Chloroethane	2.80	64	107804	27.668	ug/L 98
9) Trichlorofluoromethane	3.13	101	231707	26.864	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	125987	27.818	ug/L 98
12) 1,1-Dichloroethene	3.88	96	116737	27.457	ug/L 93
13) Acetone	3.95	43	74335	47.754	ug/L 97
14) Carbon disulfide	4.20	76	374326	26.159	ug/L 99
15) Methyl Acetate	4.48	43	87379	24.397	ug/L 97
16) Methylene chloride	4.73	84	137212	26.377	ug/L 97
17) trans-1,2-Dichloroethene	5.23	96	128913	27.711	ug/L 97
18) Methyl tert-butyl Ether	5.22	73	358434	26.085	ug/L 99
19) 1,1-Dichloroethane	6.02	63	237377	28.241	ug/L 98
20) cis-1,2-Dichloroethene	6.99	96	137353	27.307	ug/L 93
22) 2-Butanone	6.99	43	114612	47.505	ug/L 98

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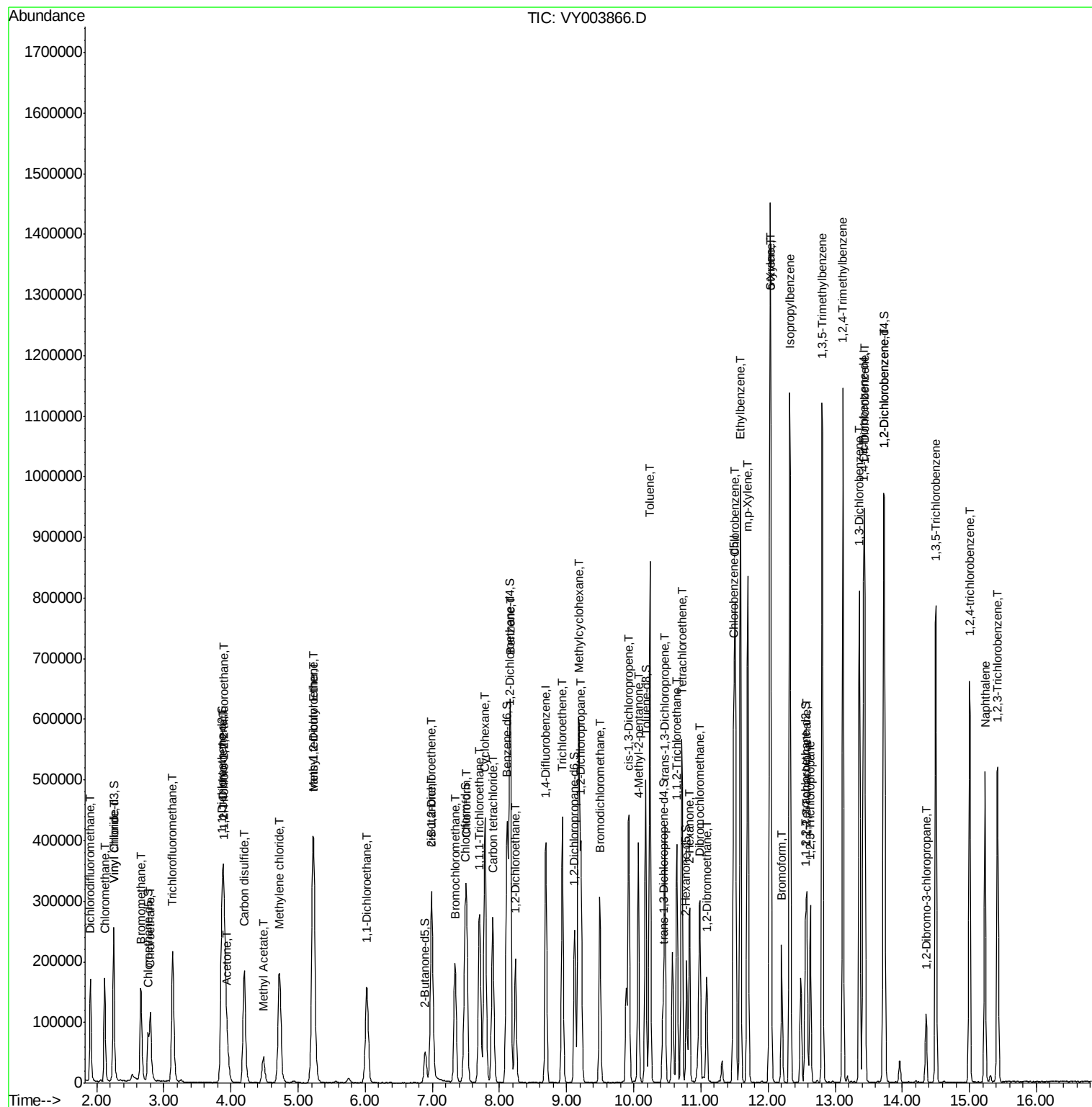
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	67462	27.123	ug/L	97
25) Chloroform	7.51	83	246144	27.934	ug/L	100
27) 1,2-Dichloroethane	8.23	62	186482	27.232	ug/L	98
29) Cyclohexane	7.79	56	228004	27.908	ug/L	99
30) 1,1,1-Trichloroethane	7.70	97	232645	27.725	ug/L	99
31) Carbon tetrachloride	7.90	117	213796	27.552	ug/L	100
33) Benzene	8.16	78	528771	27.748	ug/L	100
34) Trichloroethene	8.94	95	143263	27.203	ug/L	98
35) Methylcyclohexane	9.18	83	237798	27.746	ug/L	98
37) 1,2-Dichloropropane	9.22	63	135862	28.004	ug/L	99
38) Bromodichloromethane	9.50	83	189297	27.694	ug/L	97
39) cis-1,3-Dichloropropene	9.92	75	226523	27.332	ug/L	98
40) 4-Methyl-2-pentanone	10.07	43	256477	49.520	ug/L	99
42) Toluene	10.24	91	591391	28.055	ug/L	100
44) trans-1,3-Dichloropropene	10.47	75	212431	26.551	ug/L	97
45) 1,1,2-Trichloroethane	10.64	97	109606	26.304	ug/L	98
46) Tetrachloroethene	10.72	164	123502	27.111	ug/L	98
48) 2-Hexanone	10.83	43	178628	47.335	ug/L	100
49) Dibromochloromethane	10.98	129	140389	26.612	ug/L	99
50) 1,2-Dibromoethane	11.09	107	106034	25.770	ug/L	100
51) Chlorobenzene	11.51	112	378236	27.745	ug/L	99
52) Ethylbenzene	11.59	91	665733	28.194	ug/L	100
53) m,p-Xylene	11.70	106	253555	28.315	ug/L	96
54) o-Xylene	12.03	106	243318	27.906	ug/L	97
55) Styrene	12.04	104	429197	28.464	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.58	83	127995	25.956	ug/L	97
59) Bromoform	12.20	173	96053	24.779	ug/L	99
60) Isopropylbenzene	12.32	105	669466	28.194	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	110282	25.002	ug/L	99
62) 1,3,5-Trimethylbenzene	12.81	105	561381	28.464	ug/L	100
63) 1,2,4-Trimethylbenzene	13.12	105	570115	28.533	ug/L	100
64) 1,3-Dichlorobenzene	13.36	146	315857	27.460	ug/L	98
65) 1,4-Dichlorobenzene	13.44	146	318199	27.319	ug/L	98
67) 1,2-Dichlorobenzene	13.73	146	293861	27.282	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.35	75	27128	24.742	ug/L	99
69) 1,3,5-Trichlorobenzene	14.50	180	244070	27.219	ug/L	98
70) 1,2,4-trichlorobenzene	15.00	180	204038	26.837	ug/L	99
71) Naphthalene	15.23	128	397201	25.025	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	178549	26.587	ug/L	98

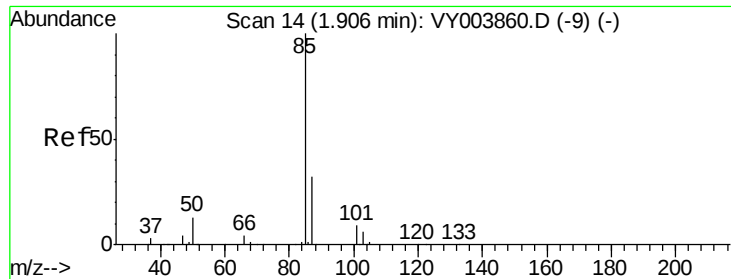
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.359 ug/L

RT: 1.91 min Scan# 14

Delta R.T. 0.00 min

Lab File: VY003866.D

Acq: 30 Dec 2020 16:06

Instrument :

MSVOA_Y

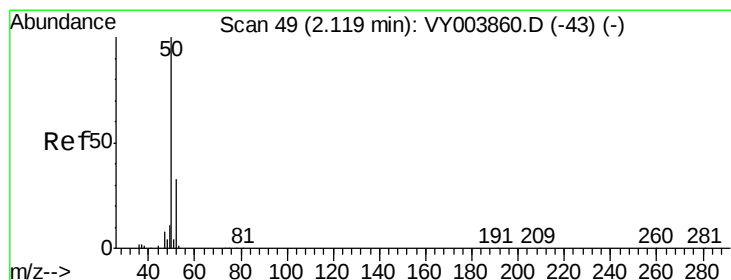
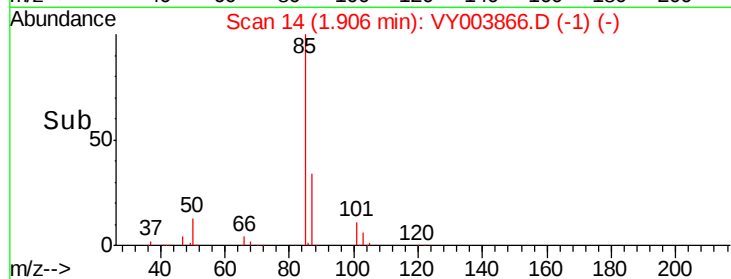
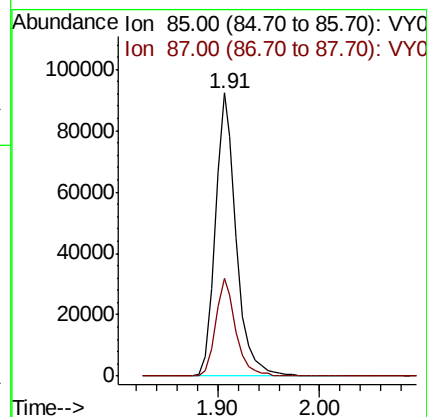
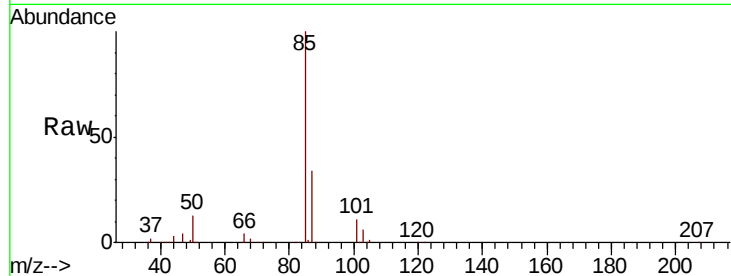
ClientSampleId :

Tot Ion: 85 Resp: 132360

Ion Ratio Lower Upper

85 100

87 33.5 25.4 38.2



#3

Chloromethane

Concen: 25.139 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.00 min

Lab File: VY003866.D

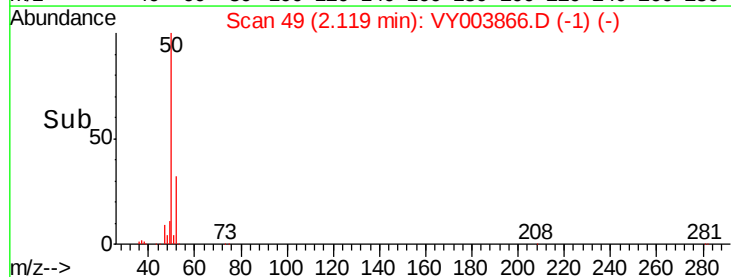
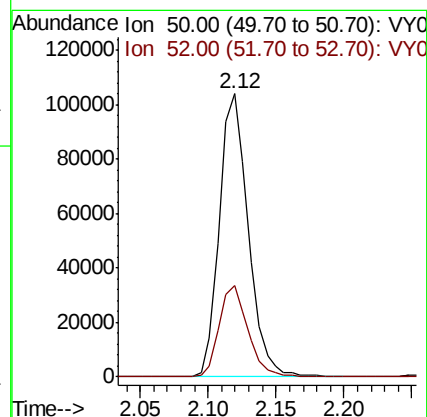
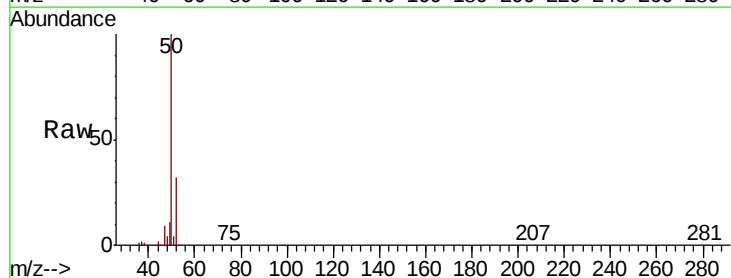
Acq: 30 Dec 2020 16:06

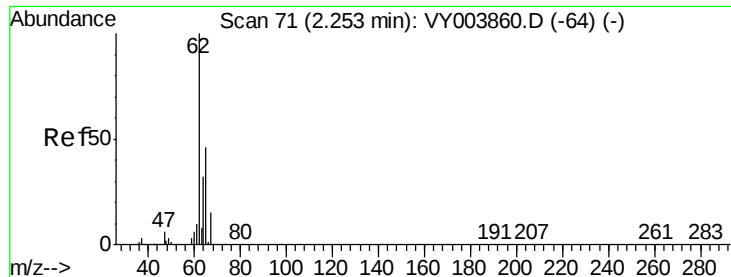
Tgt Ion: 50 Resp: 152972

Ion Ratio Lower Upper

50 100

52 32.1 22.0 41.0





#5

Vinyl chloride

Concen: 27.056 ug/L

RT: 2.25 min Scan# 71

Delta R.T. 0.00 min

Lab File: VY003866.D

Acq: 30 Dec 2020 16:06

Instrument :

MSVOA_Y

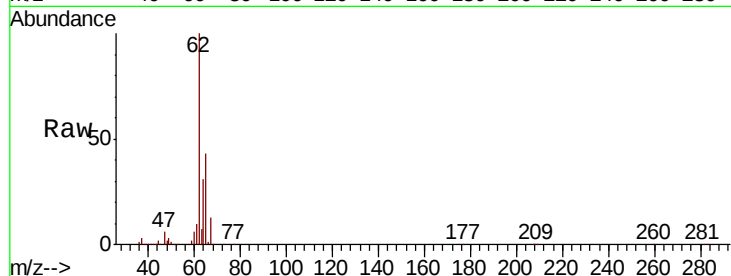
ClientSampleId :

Tot Ion: 62 Resp: 174679

Ion Ratio Lower Upper

62 100

64 31.4 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VY003866.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VY003866.D (-64) (-)

2.25

120000

100000

80000

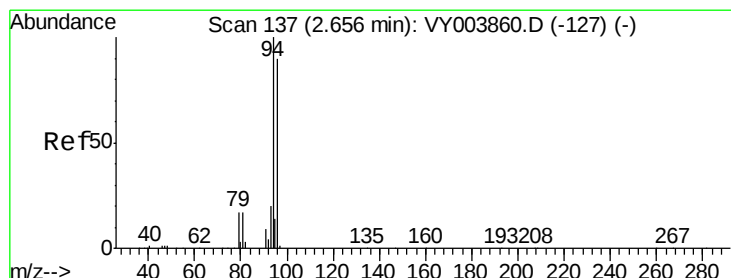
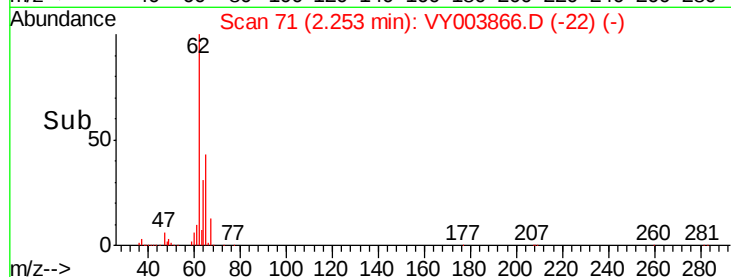
60000

40000

20000

0

Time--> 2.15 2.20 2.25 2.30 2.35



#6

Bromomethane

Concen: 26.787 ug/L

RT: 2.66 min Scan# 137

Delta R.T. 0.00 min

Lab File: VY003866.D

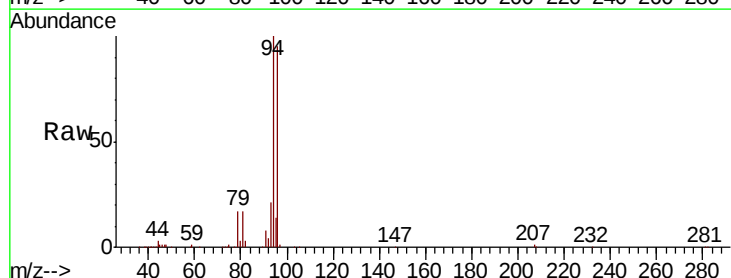
Acq: 30 Dec 2020 16:06

Tgt Ion: 94 Resp: 105734

Ion Ratio Lower Upper

94 100

96 94.6 64.3 119.3



Abundance Ion 94.00 (93.70 to 94.70): VY003866.D (-127) (-)

Ion 96.00 (95.70 to 96.70): VY003866.D (-127) (-)

2.66

60000

50000

40000

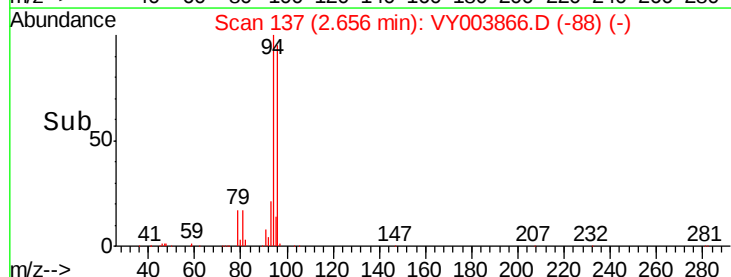
30000

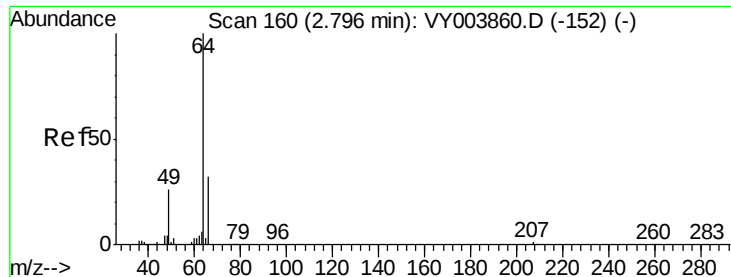
20000

10000

0

Time--> 2.55 2.60 2.65 2.70 2.75

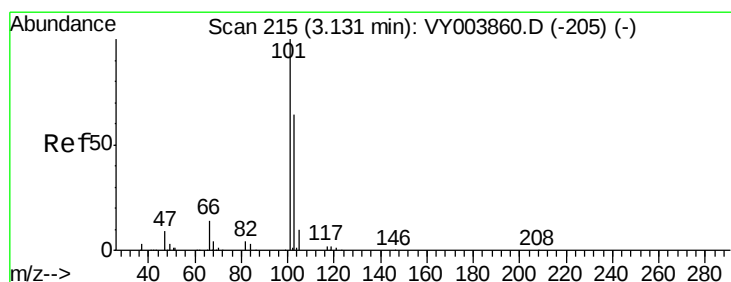
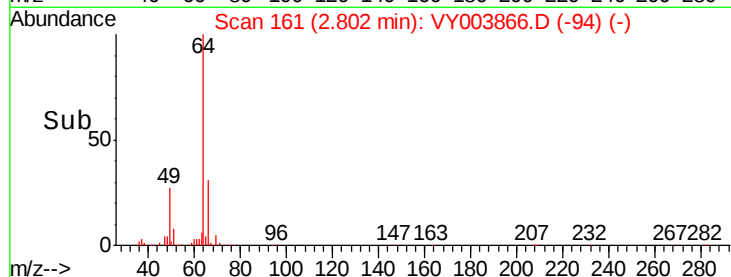
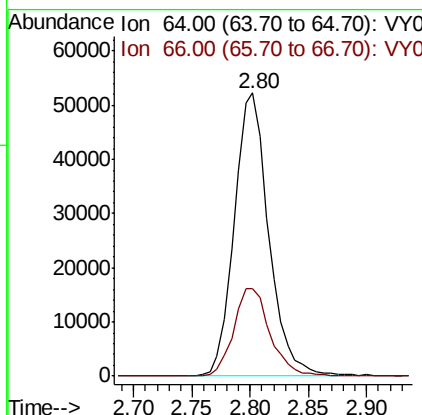
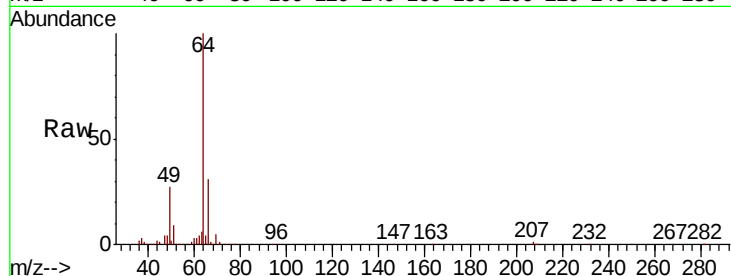




#8
Chloroethane
Concen: 27.668 ug/L
RT: 2.80 min Scan# 161
Delta R.T. 0.01 min
Lab File: VY003866.D
Acq: 30 Dec 2020 16:06

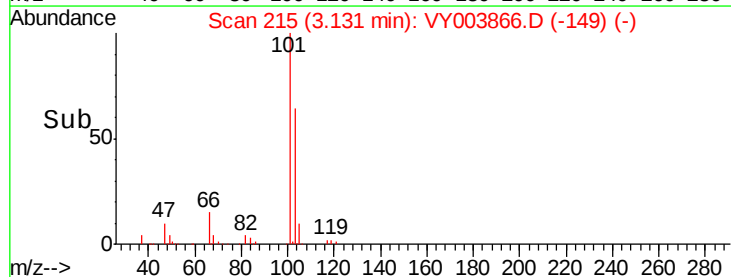
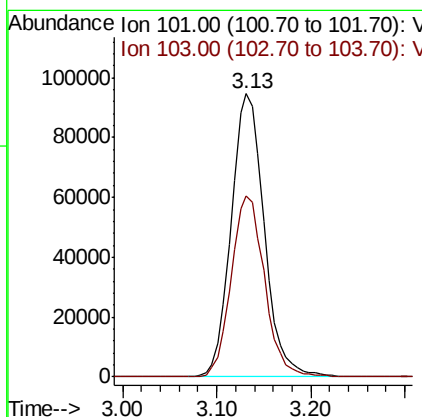
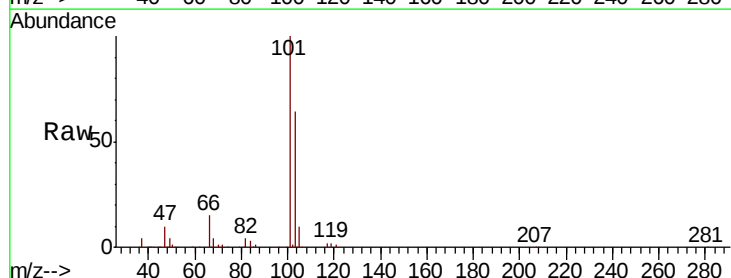
Instrument :
MSVOA_Y
ClientSampleId :

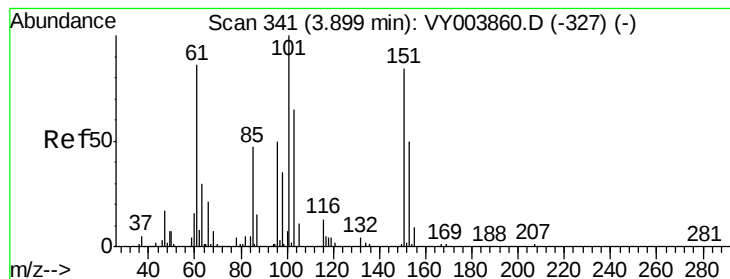
Tot Ion: 64 Resp: 107804
Ion Ratio Lower Upper
64 100
66 30.7 22.5 41.7



#9
Trichlorofluoromethane
Concen: 26.864 ug/L
RT: 3.13 min Scan# 215
Delta R.T. 0.00 min
Lab File: VY003866.D
Acq: 30 Dec 2020 16:06

Tgt Ion: 101 Resp: 231707
Ion Ratio Lower Upper
101 100
103 64.4 51.4 77.0





#10

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

Concen: 27.818 ug/L

RT: 3.90 min Scan# 341

Delta R.T. 0.00 min

Lab File: VY003866.D

Acq: 30 Dec 2020 16:06

Instrument :

MSVOA_Y

ClientSampled :

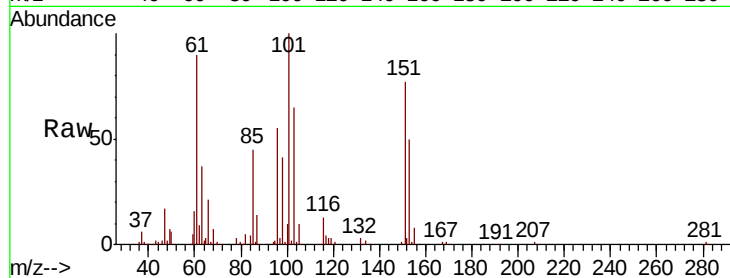
Tot Ion:101 Resp: 125987

Ion Ratio Lower Upper

101 100

85 45.6 37.1 55.7

151 81.1 66.4 99.6



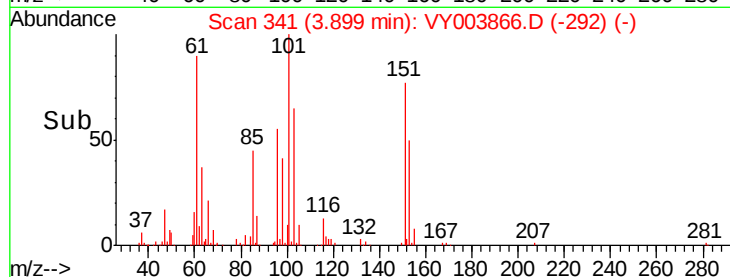
Abundance Ion 101.00 (100.70 to 101.70): VY003866.D (-327) (-)

Ion 85.00 (84.70 to 85.70): VY003866.D (-327) (-)

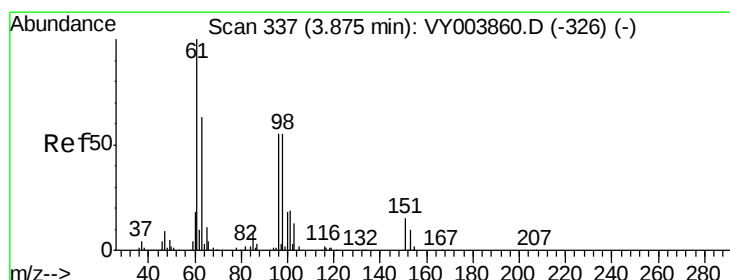
Ion 151.00 (150.70 to 151.70): VY003866.D (-327) (-)

3.90

Time-->



Time-->



#12

1,1-Dichloroethene

Concen: 27.457 ug/L

RT: 3.88 min Scan# 337

Delta R.T. 0.00 min

Lab File: VY003866.D

Acq: 30 Dec 2020 16:06

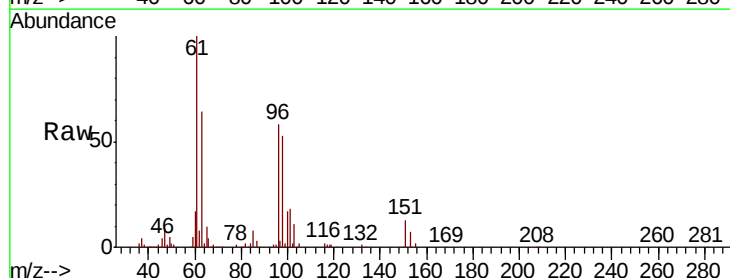
Tgt Ion: 96 Resp: 116737

Ion Ratio Lower Upper

96 100

61 171.5 123.8 230.0

63 109.3 85.3 158.3



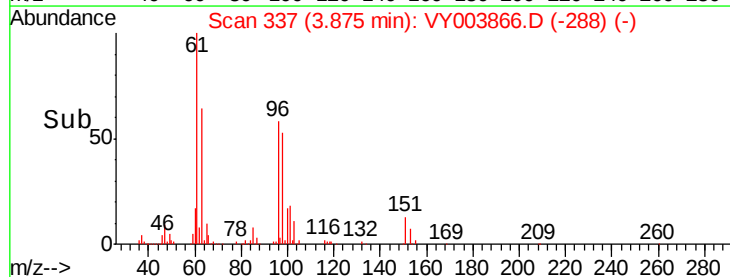
Abundance Ion 96.00 (95.70 to 96.70): VY003866.D (-288) (-)

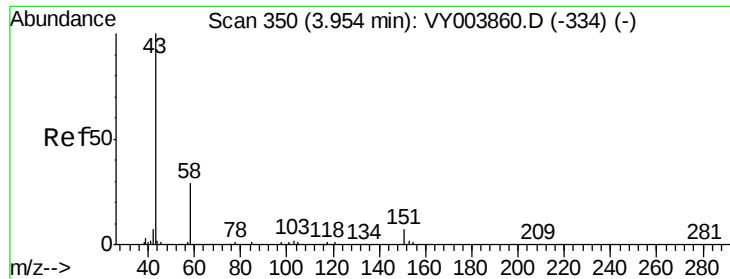
Ion 61.00 (60.70 to 61.70): VY003866.D (-288) (-)

Ion 63.00 (62.70 to 63.70): VY003866.D (-288) (-)

3.88

Time-->





#13

Acetone

Concen: 47.754 ug/L

RT: 3.95 min Scan# 349

Delta R.T. -0.01 min

Lab File: VY003866.D

Acq: 30 Dec 2020 16:06

Instrument :

MSVOA_Y

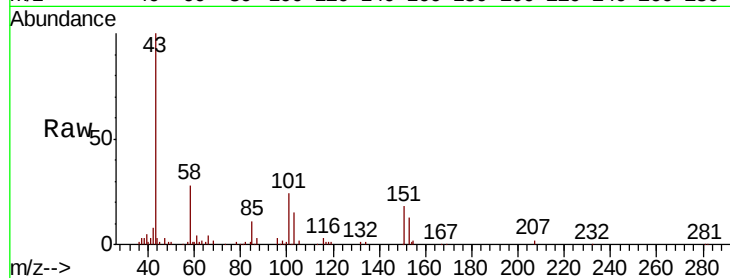
ClientSampled :

Tot Ion: 43 Resp: 74335

Ion Ratio Lower Upper

43 100

58 27.7 0.0 58.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.95

25000

20000

15000

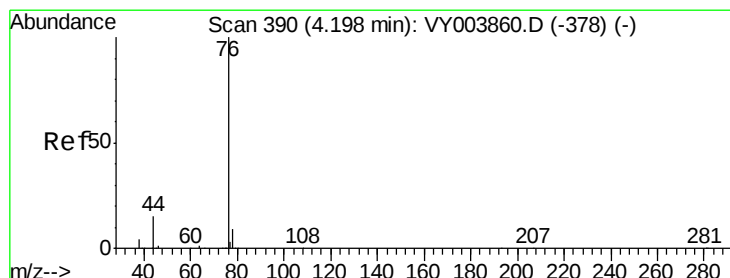
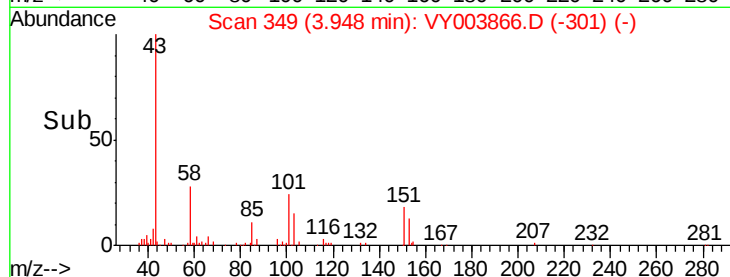
10000

5000

0

Time-->

3.80 3.90 4.00 4.10



#14

Carbon disulfide

Concen: 26.159 ug/L

RT: 4.20 min Scan# 390

Delta R.T. 0.00 min

Lab File: VY003866.D

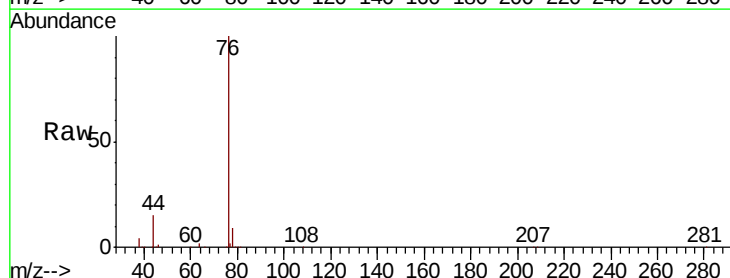
Acq: 30 Dec 2020 16:06

Tgt Ion: 76 Resp: 374326

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

4.20

150000

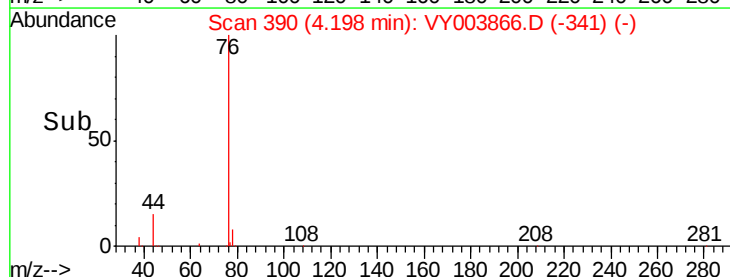
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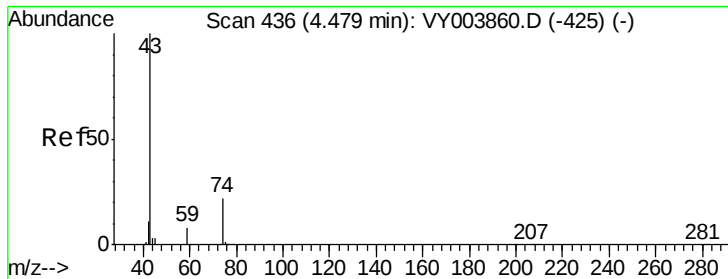
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Time-->

4.10 4.20 4.30 4.40

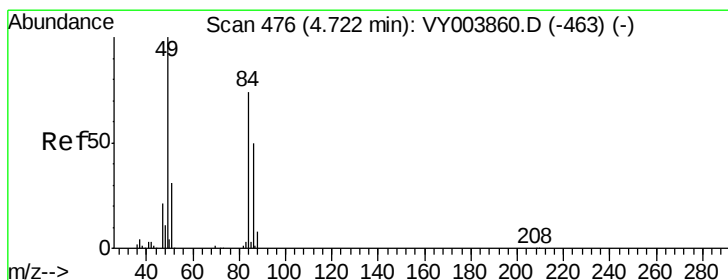
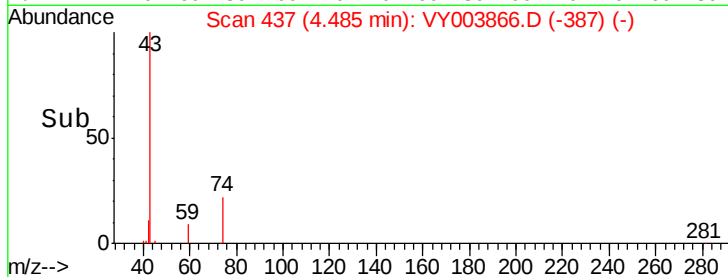
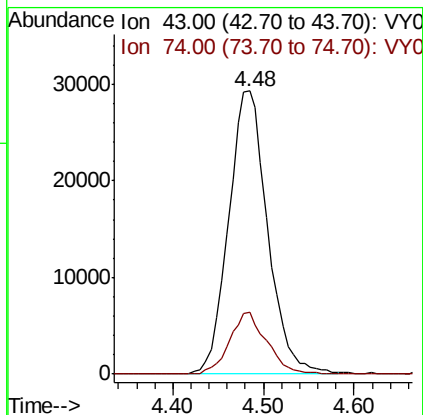
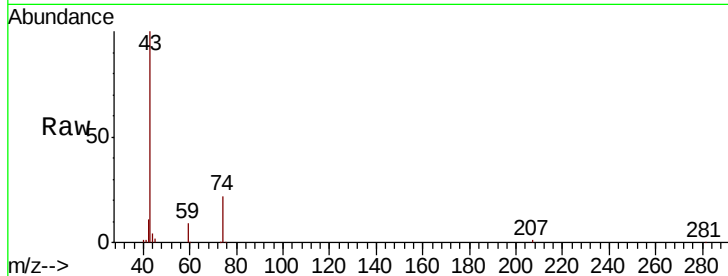




#15
Methyl Acetate
Concen: 24.397 ug/L
RT: 4.48 min Scan# 437
Delta R.T. 0.01 min
Lab File: VY003866.D
Acq: 30 Dec 2020 16:06

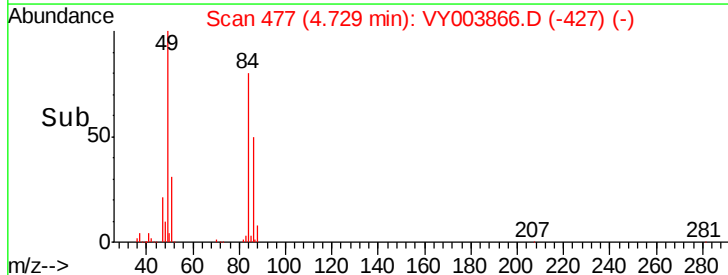
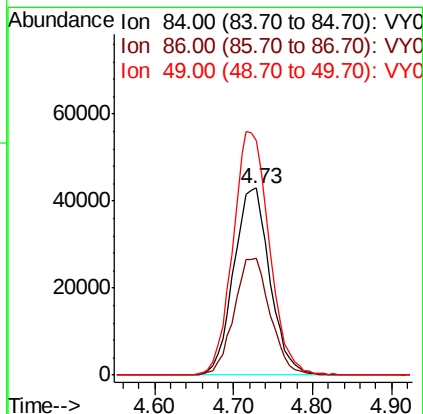
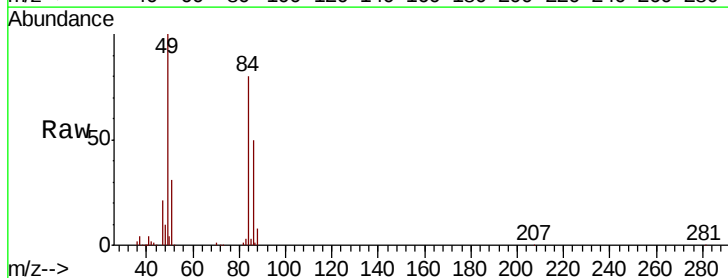
Instrument :
MSVOA_Y
ClientSampleId :

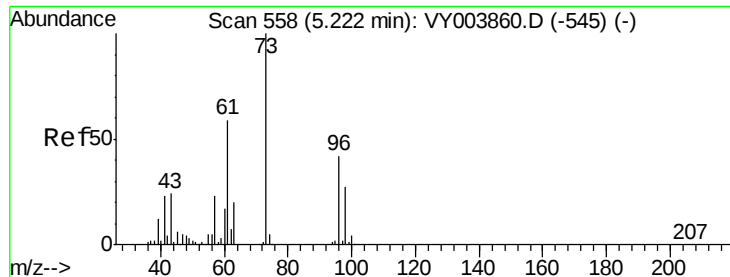
Tot Ion: 43 Resp: 87379
Ion Ratio Lower Upper
43 100
74 20.5 17.4 26.2



#16
Methylene chloride
Concen: 26.377 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VY003866.D
Acq: 30 Dec 2020 16:06

Tgt Ion: 84 Resp: 137212
Ion Ratio Lower Upper
84 100
86 62.6 42.1 78.3
49 125.2 90.3 167.7

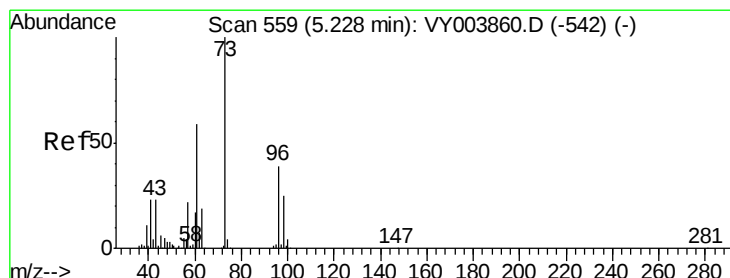
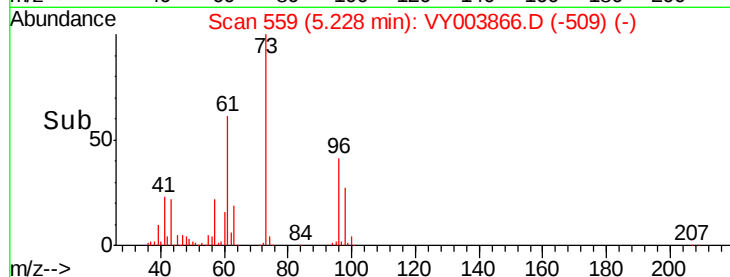
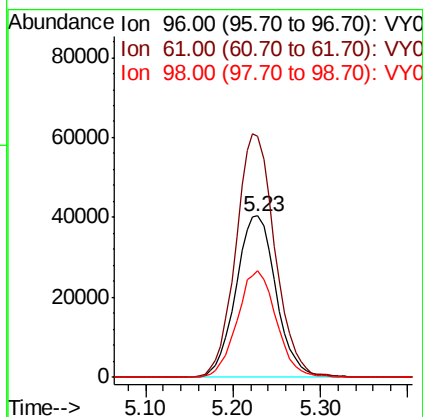
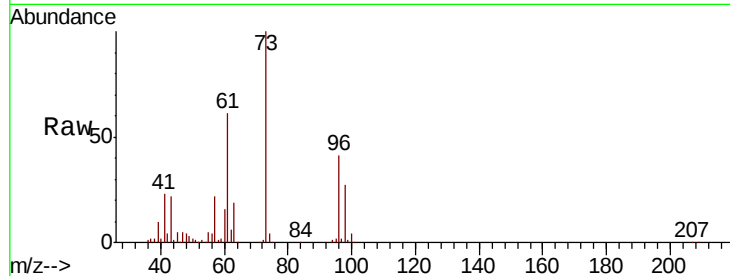




#17
trans-1,2-Dichloroethene
Concen: 27.711 ug/L
RT: 5.23 min Scan# 559
Delta R.T. 0.01 min
Lab File: VY003866.D
Acq: 30 Dec 2020 16:06

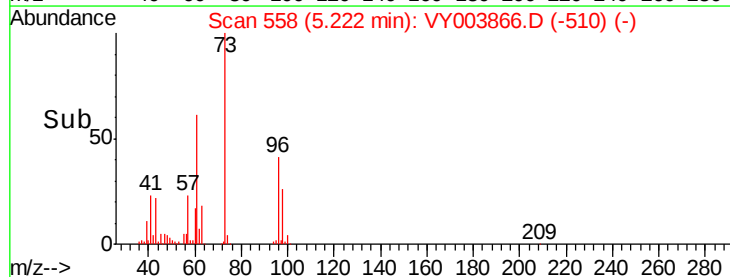
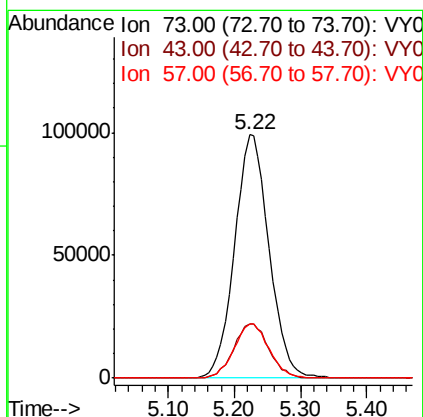
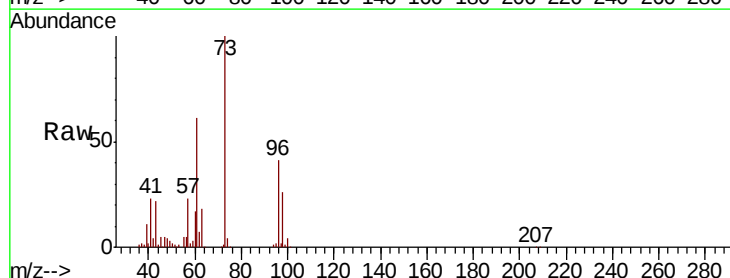
Instrument :
MSVOA_Y
ClientSampleId :

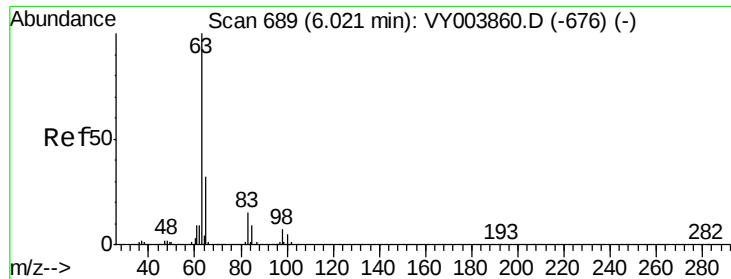
Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	149.4	101.7	188.9	
98	66.0	44.3	82.3	



#18
Methyl tert-butyl Ether
Concen: 26.085 ug/L
RT: 5.22 min Scan# 558
Delta R.T. -0.01 min
Lab File: VY003866.D
Acq: 30 Dec 2020 16:06

Tgt Ion	Ion	Ratio	Lower	Upper
73	100			
43	22.7	18.4	27.6	
57	22.5	17.6	26.4	

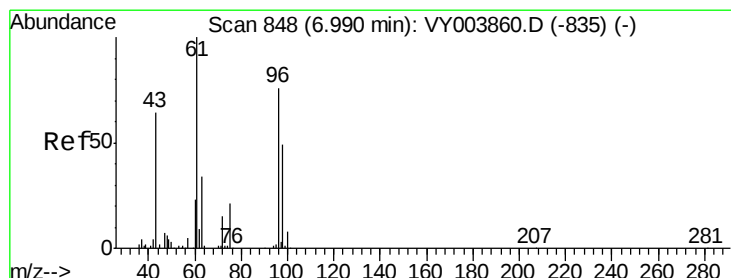
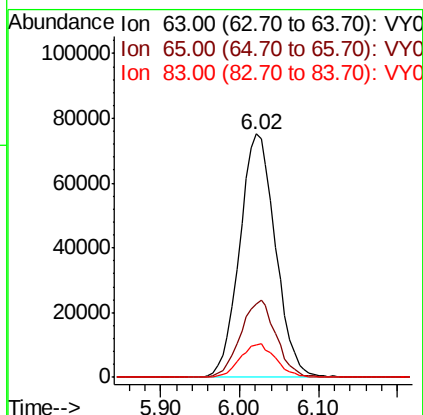
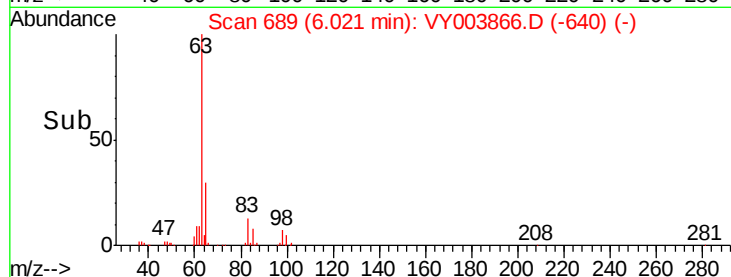
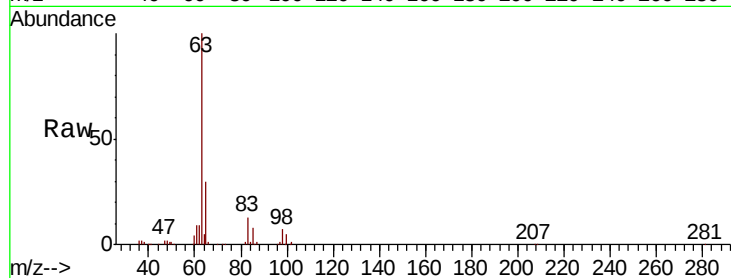




#19
 1,1-Dichloroethane
 Concen: 28.241 ug/L
 RT: 6.02 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VY003866.D
 Acq: 30 Dec 2020 16:06

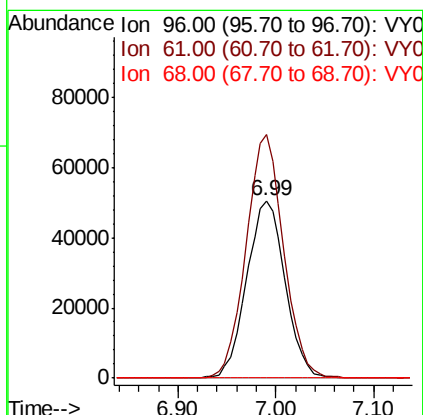
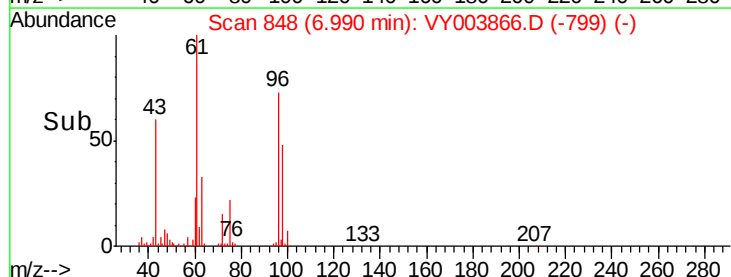
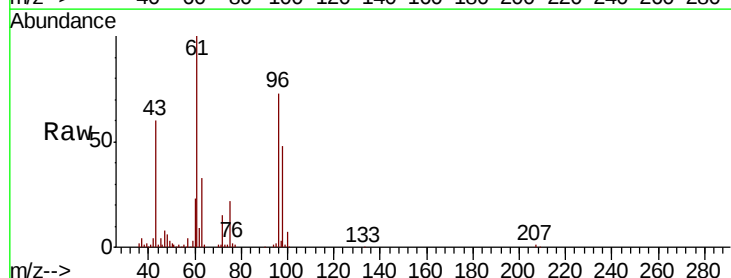
Instrument :
 MSVOA_Y
 ClientSampleId :

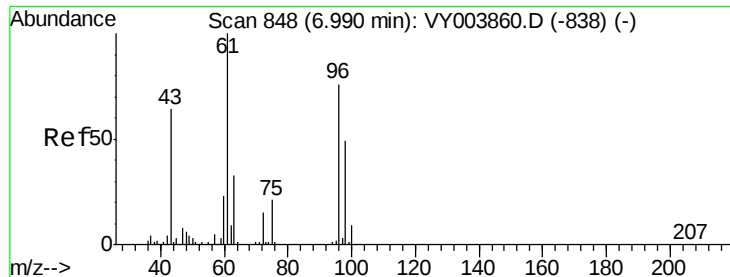
Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	21.9	40.7
83	13.5	8.7	16.1



#20
 cis-1,2-Dichloroethene
 Concen: 27.307 ug/L
 RT: 6.99 min Scan# 848
 Delta R.T. 0.00 min
 Lab File: VY003866.D
 Acq: 30 Dec 2020 16:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.2	90.6	168.3
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 47.505 ug/L

RT: 6.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VY003866.D

Acq: 30 Dec 2020 16:06

Instrument :

MSVOA_Y

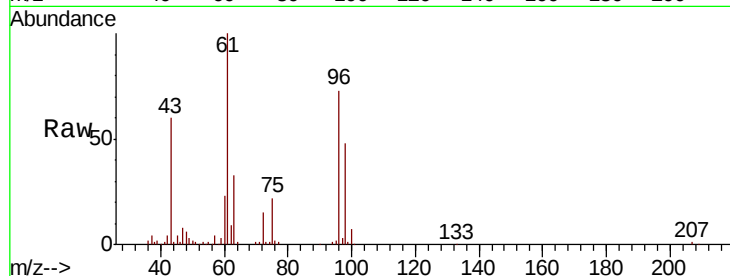
ClientSampleId :

Tot Ion: 43 Resp: 114612

Ion Ratio Lower Upper

43 100

72 24.4 12.6 37.8

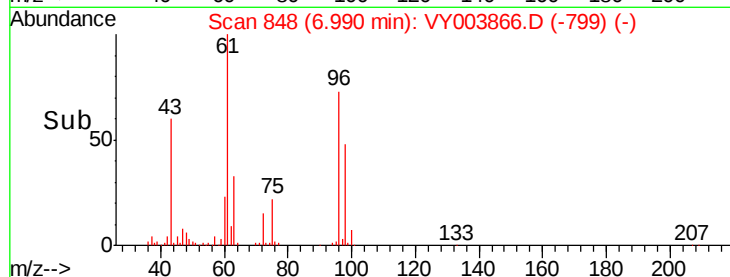


Abundance Ion 43.00 (42.70 to 43.70): VY003866.D (-838) (-)

Ion 72.00 (71.70 to 72.70): VY003866.D (-838) (-)

6.99

Time-->



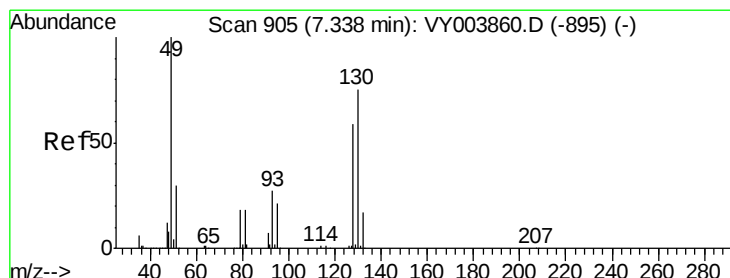
Abundance

Ion 43.00 (42.70 to 43.70): VY003866.D (-799) (-)

Ion 72.00 (71.70 to 72.70): VY003866.D (-799) (-)

6.99

Time-->



#23

Bromochloromethane

Concen: 27.123 ug/L

RT: 7.34 min Scan# 905

Delta R.T. 0.00 min

Lab File: VY003866.D

Acq: 30 Dec 2020 16:06

Tgt Ion:128 Resp: 67462

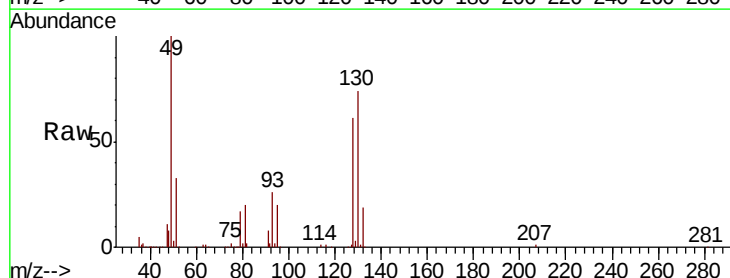
Ion Ratio Lower Upper

128 100

49 164.6 114.4 212.4

130 122.1 88.8 164.8

51 54.0 41.0 61.6



Abundance Ion 128.00 (127.70 to 128.70): VY003866.D (-895) (-)

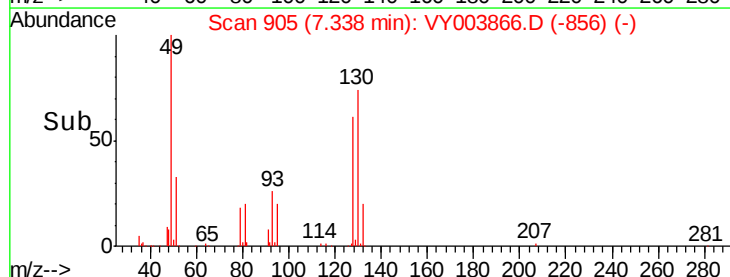
Ion 49.00 (48.70 to 49.70): VY003866.D (-895) (-)

Ion 130.00 (129.70 to 130.70): VY003866.D (-895) (-)

Ion 51.00 (50.70 to 51.70): VY003866.D (-895) (-)

7.34

Time-->



Abundance

Ion 128.00 (127.70 to 128.70): VY003866.D (-856) (-)

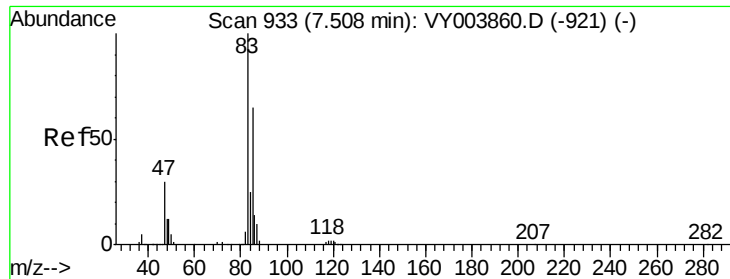
Ion 49.00 (48.70 to 49.70): VY003866.D (-856) (-)

Ion 130.00 (129.70 to 130.70): VY003866.D (-856) (-)

Ion 51.00 (50.70 to 51.70): VY003866.D (-856) (-)

7.34

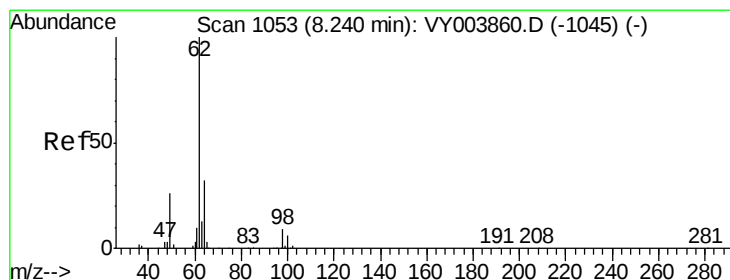
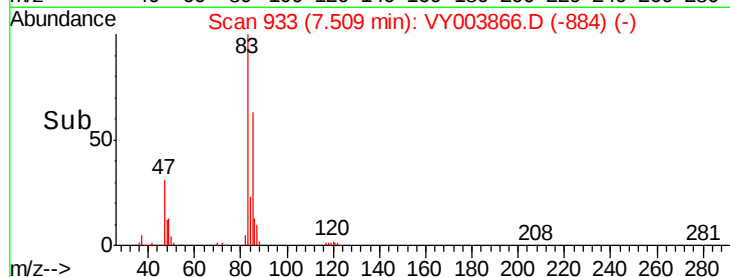
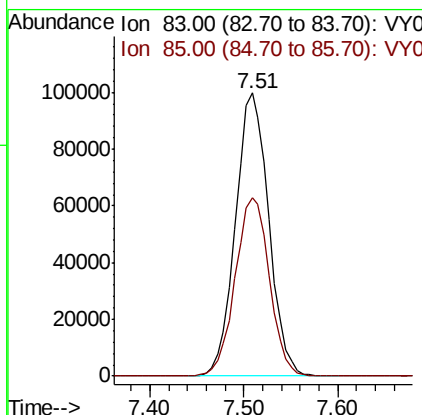
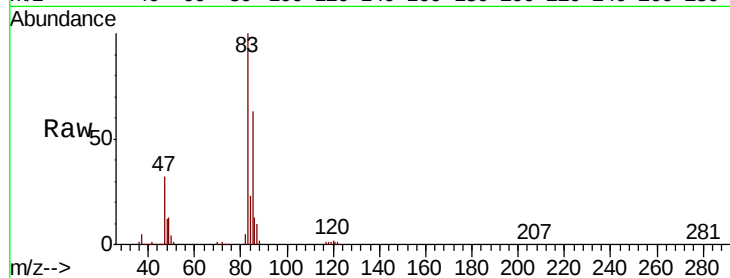
Time-->



#25
Chloroform
Concen: 27.934 ug/L
RT: 7.51 min Scan# 933
Delta R.T. 0.00 min
Lab File: VY003866.D
Acq: 30 Dec 2020 16:06

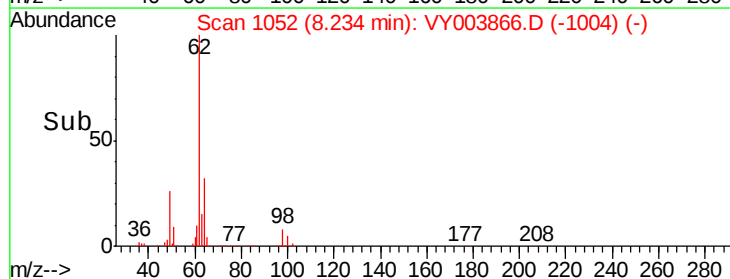
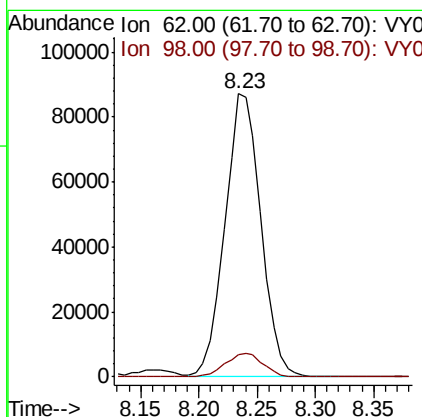
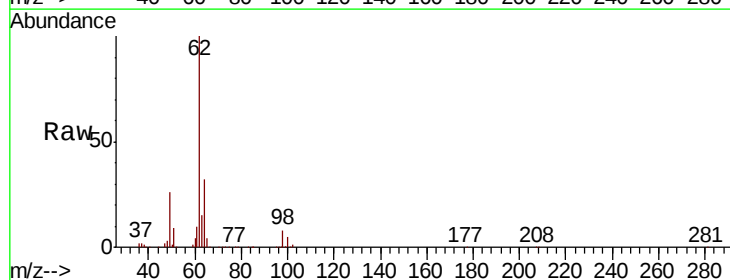
Instrument :
MSVOA_Y
ClientSampled :

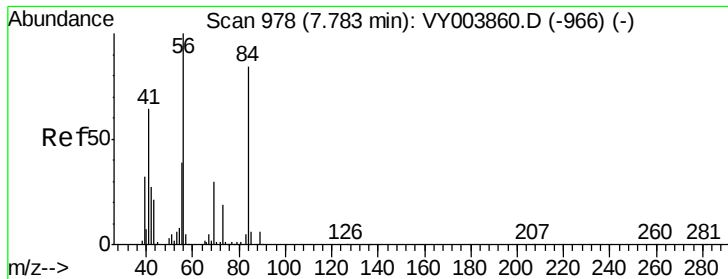
Tot Ion: 83 Resp: 246144
Ion Ratio Lower Upper
83 100
85 62.9 44.2 82.2



#27
1,2-Dichloroethane
Concen: 27.232 ug/L
RT: 8.23 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VY003866.D
Acq: 30 Dec 2020 16:06

Tgt Ion: 62 Resp: 186482
Ion Ratio Lower Upper
62 100
98 7.6 6.8 10.2

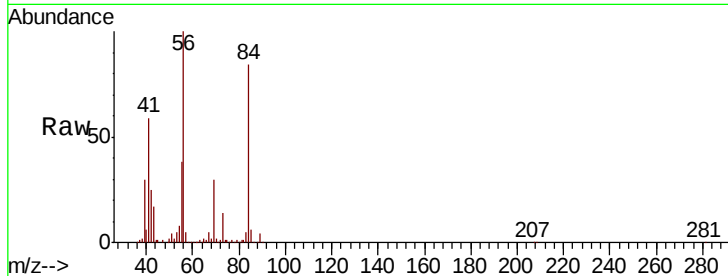




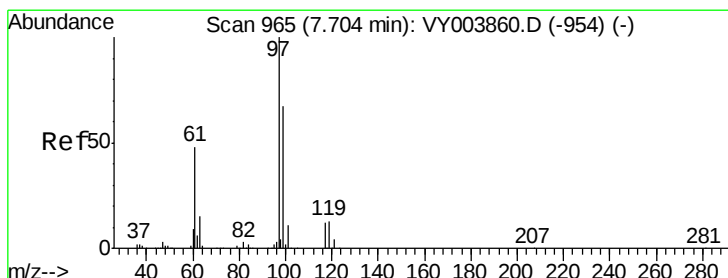
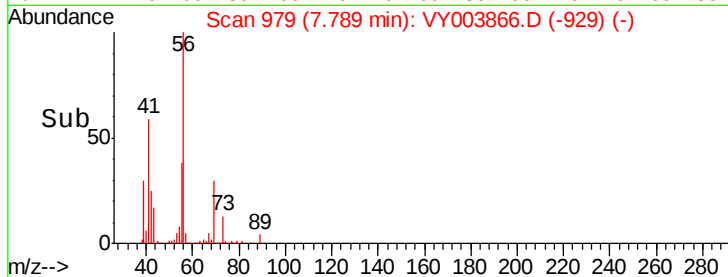
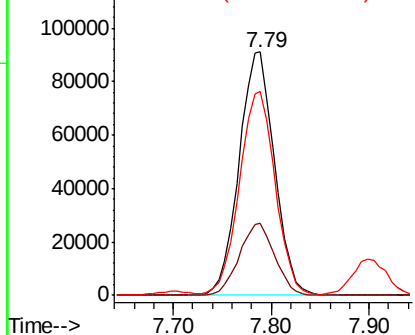
#29
Cyclohexane
Concen: 27.908 ug/L
RT: 7.79 min Scan# 979
Delta R.T. 0.01 min
Lab File: VY003866.D
Acq: 30 Dec 2020 16:06

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 228004
Ion Ratio Lower Upper
56 100
69 29.7 24.2 36.2
84 85.1 68.7 103.1

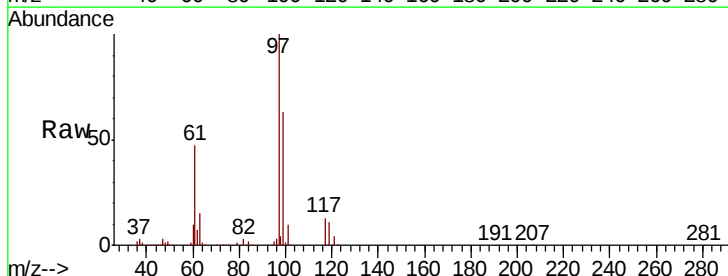


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

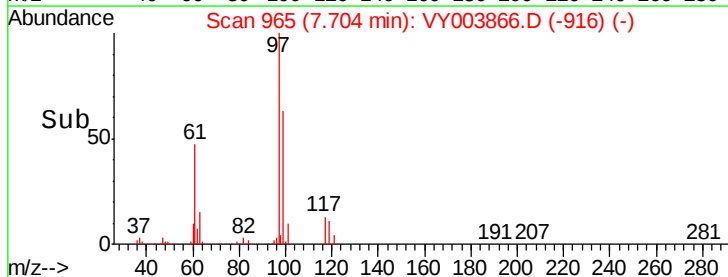
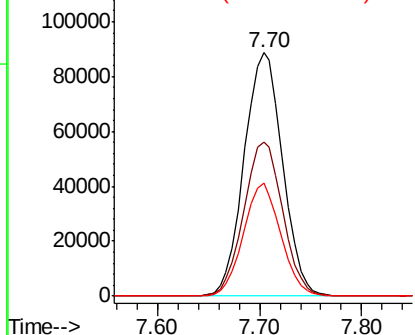


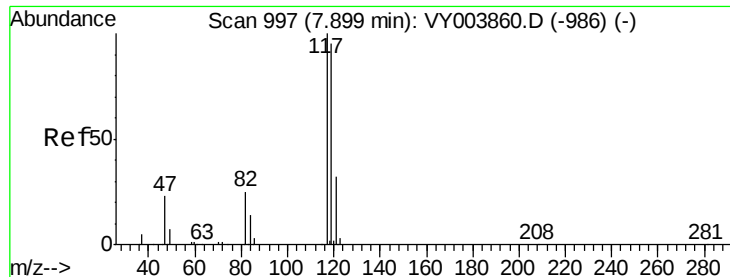
#30
1,1,1-Trichloroethane
Concen: 27.725 ug/L
RT: 7.70 min Scan# 965
Delta R.T. 0.00 min
Lab File: VY003866.D
Acq: 30 Dec 2020 16:06

Tgt Ion: 97 Resp: 232645
Ion Ratio Lower Upper
97 100
99 63.9 50.5 75.7
61 45.2 35.5 53.3



Abundance Ion 97.00 (96.70 to 97.70): VY0
Ion 99.00 (98.70 to 99.70): VY0
Ion 61.05 (60.75 to 61.75): VY0



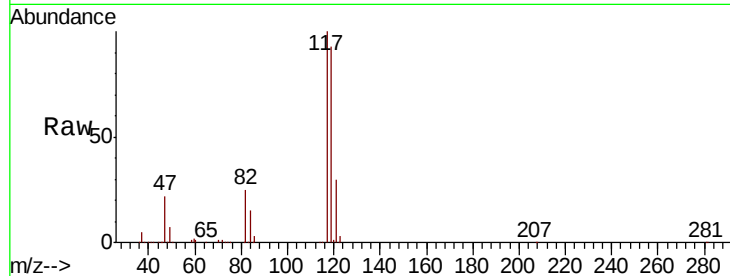


#31

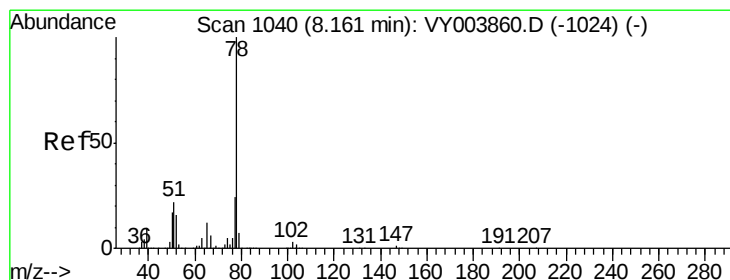
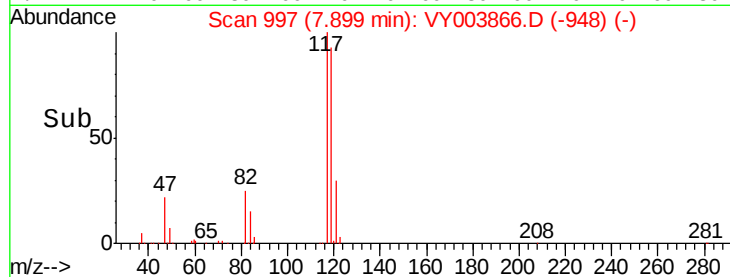
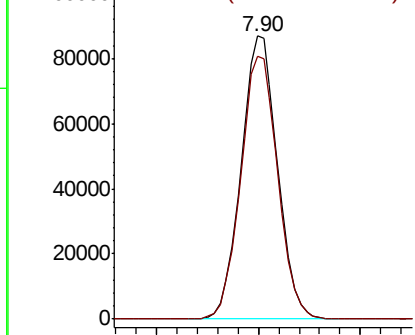
Carbon tetrachloride
Concen: 27.552 ug/L
RT: 7.90 min Scan# 997
Delta R.T. 0.00 min
Lab File: VY003866.D
Acq: 30 Dec 2020 16:06

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 213796
Ion Ratio Lower Upper
117 100
119 95.1 76.2 114.4



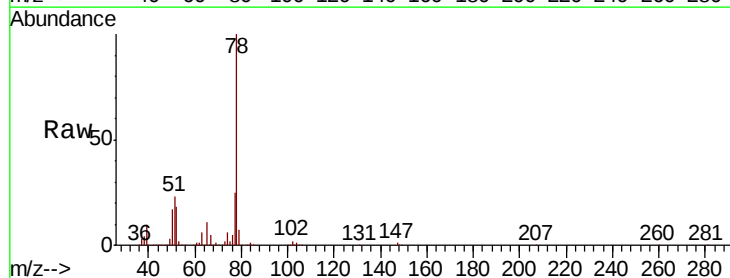
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



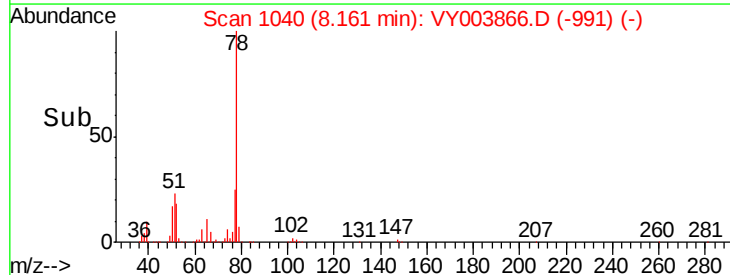
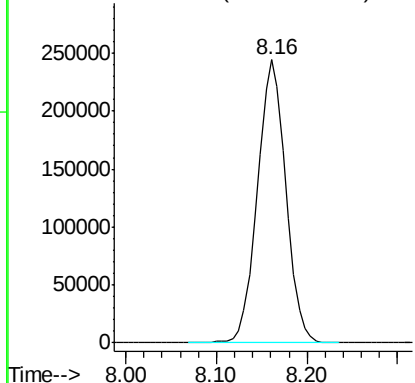
#33

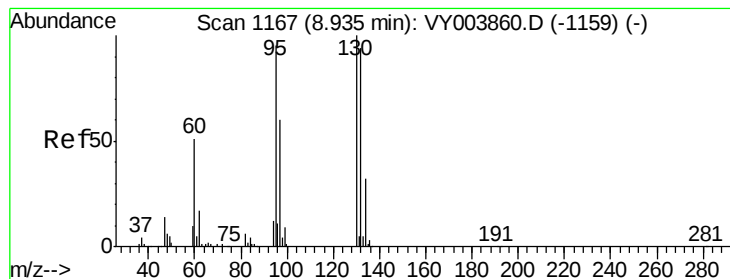
Benzene
Concen: 27.748 ug/L
RT: 8.16 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VY003866.D
Acq: 30 Dec 2020 16:06

Tgt Ion: 78 Resp: 528771



Abundance Ion 78.00 (77.70 to 78.70): VY0





#34

Trichloroethene

Concen: 27.203 ug/L

RT: 8.94 min Scan# 1167

Delta R.T. 0.00 min

Lab File: VY003866.D

Acq: 30 Dec 2020 16:06

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 95 Resp: 143263

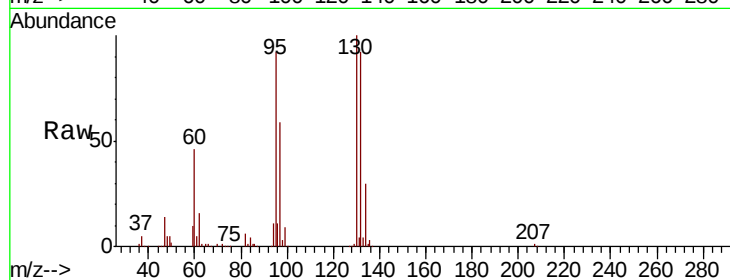
Ion Ratio Lower Upper

95 100

97 63.6 44.4 82.5

132 99.6 71.8 133.4

130 108.8 74.4 138.2

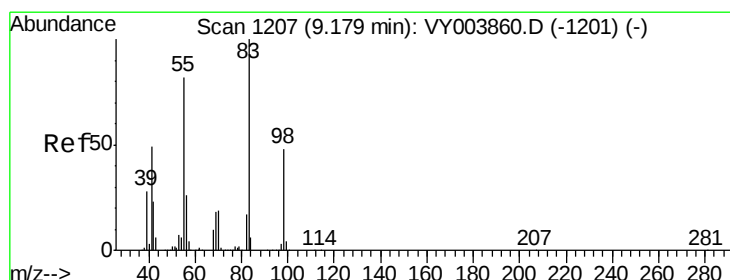
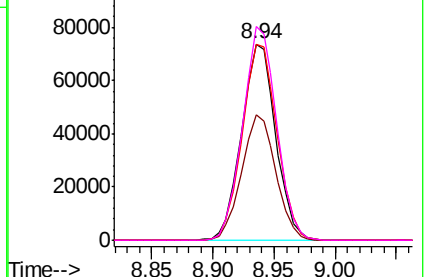
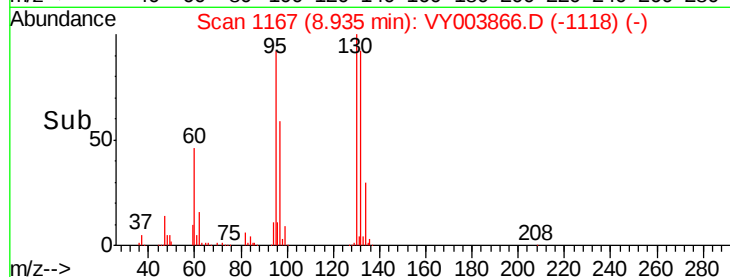


Abundance Ion 95.00 (94.70 to 95.70): VY0

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



#35

Methylcyclohexane

Concen: 27.746 ug/L

RT: 9.18 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VY003866.D

Acq: 30 Dec 2020 16:06

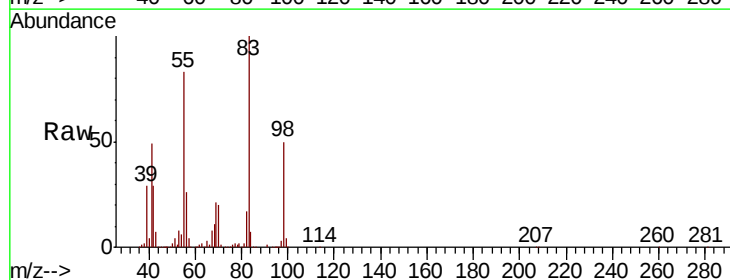
Tgt Ion: 83 Resp: 237798

Ion Ratio Lower Upper

83 100

55 81.4 62.9 94.3

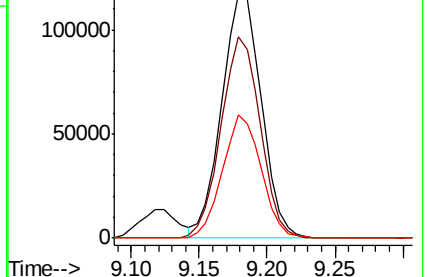
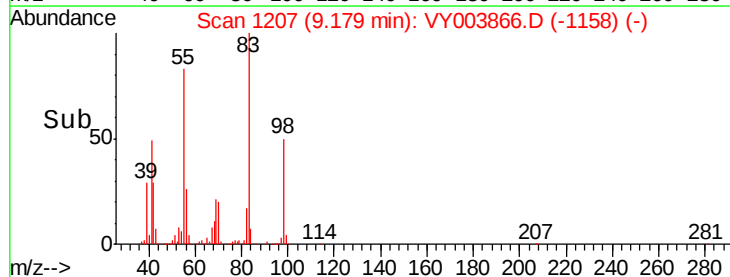
98 49.3 39.7 59.5

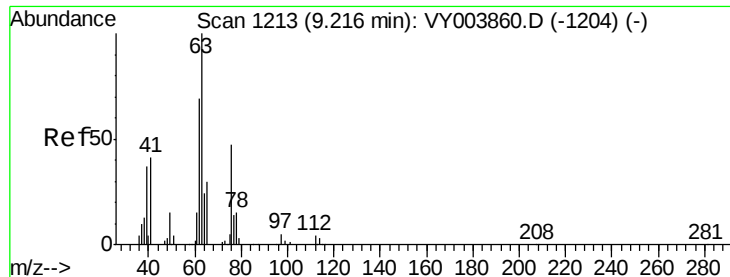


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

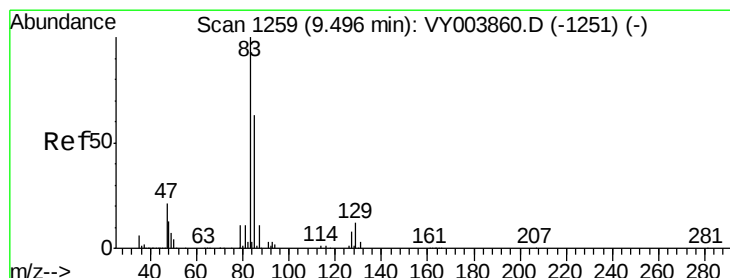
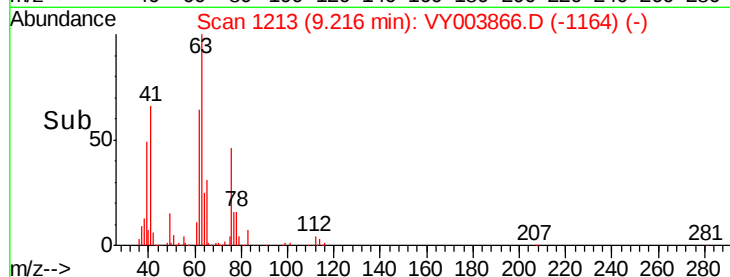
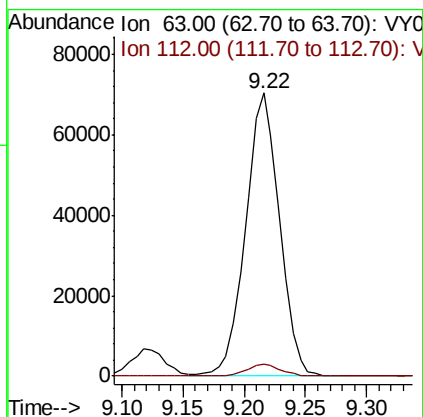
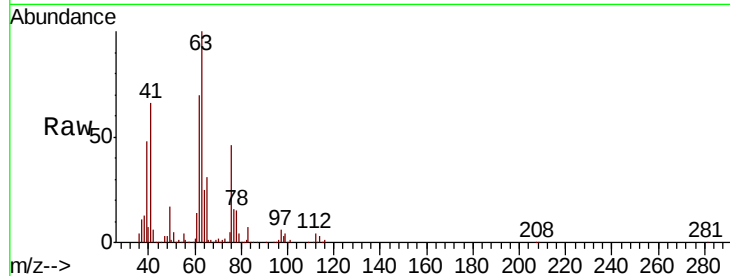




#37
 1,2-Dichloropropane
 Concen: 28.004 ug/L
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: VY003866.D
 Acq: 30 Dec 2020 16:06

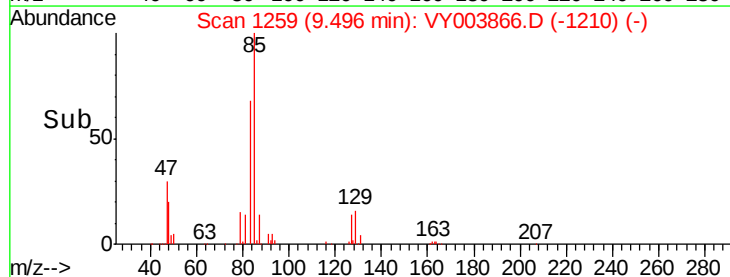
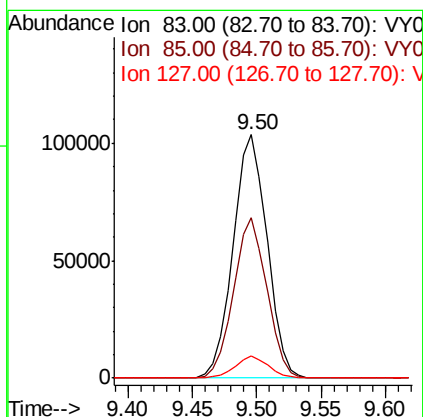
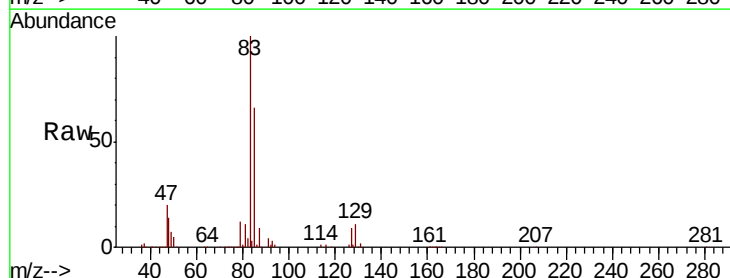
Instrument :
 MSVOA_Y
 ClientSampleId :

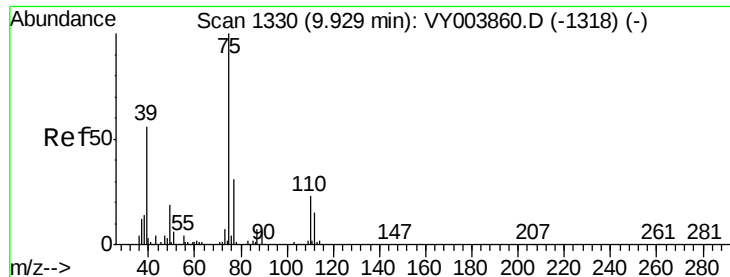
Tot Ion: 63 Resp: 135862
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.7 5.5



#38
 Bromodichloromethane
 Concen: 27.694 ug/L
 RT: 9.50 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VY003866.D
 Acq: 30 Dec 2020 16:06

Tgt Ion: 83 Resp: 189297
 Ion Ratio Lower Upper
 83 100
 85 65.8 44.2 82.0
 127 9.1 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 27.332 ug/L

RT: 9.92 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VY003866.D

Acq: 30 Dec 2020 16:06

Instrument :

MSVOA_Y

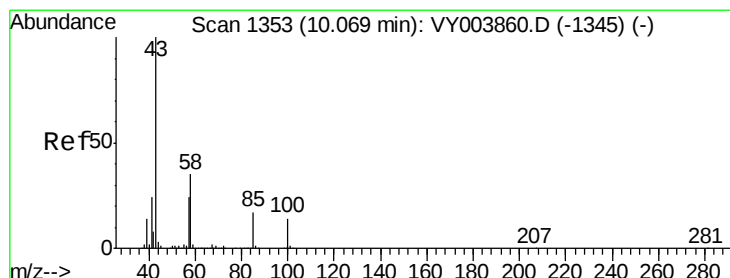
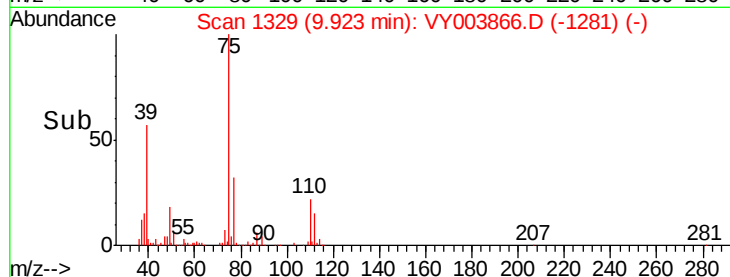
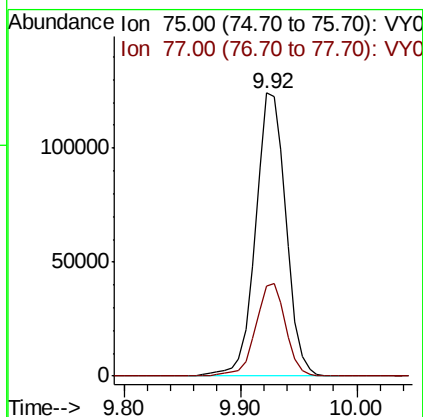
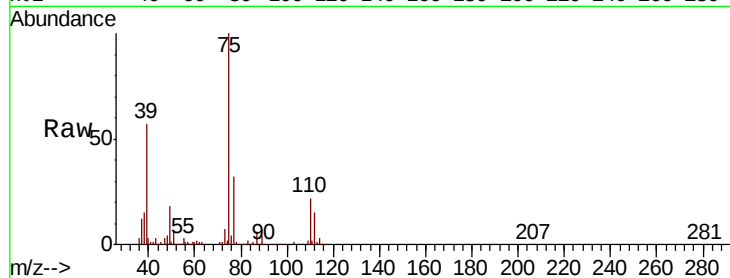
ClientSampled :

Tot Ion: 75 Resp: 226523

Ion Ratio Lower Upper

75 100

77 31.8 23.0 42.6



#40

4-Methyl-2-pentanone

Concen: 49.520 ug/L

RT: 10.07 min Scan# 1353

Delta R.T. 0.00 min

Lab File: VY003866.D

Acq: 30 Dec 2020 16:06

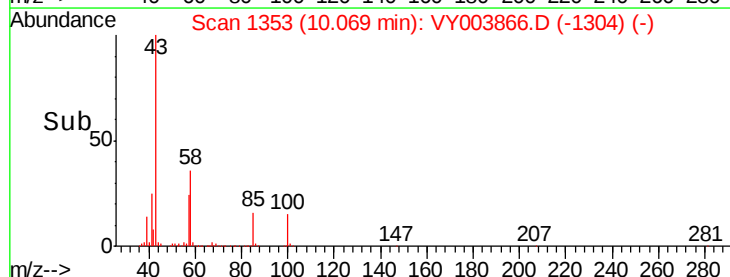
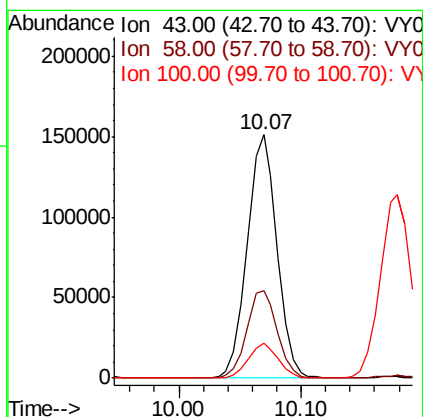
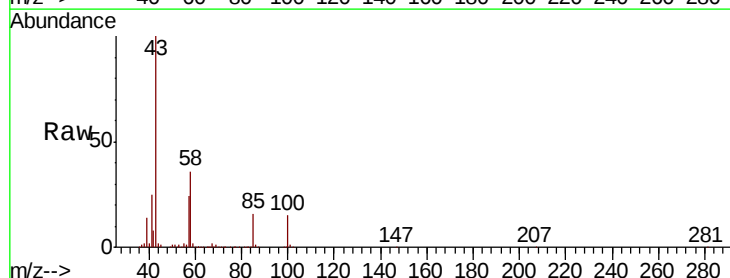
Tgt Ion: 43 Resp: 256477

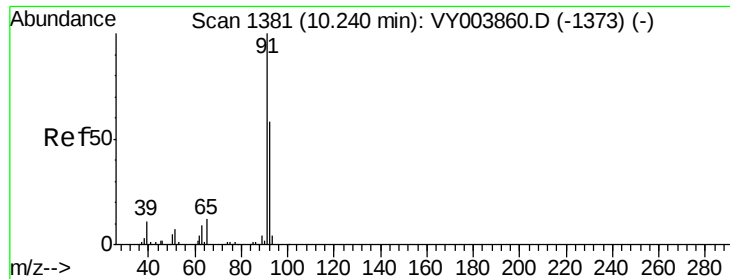
Ion Ratio Lower Upper

43 100

58 36.7 29.6 44.4

100 14.3 11.8 17.6





#42

Toluene

Concen: 28.055 ug/L

RT: 10.24 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VY003866.D

Acq: 30 Dec 2020 16:06

Instrument :

MSVOA_Y

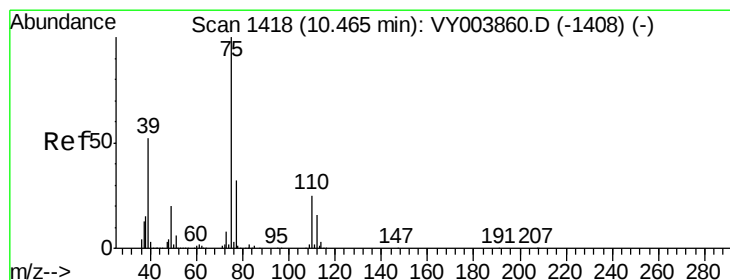
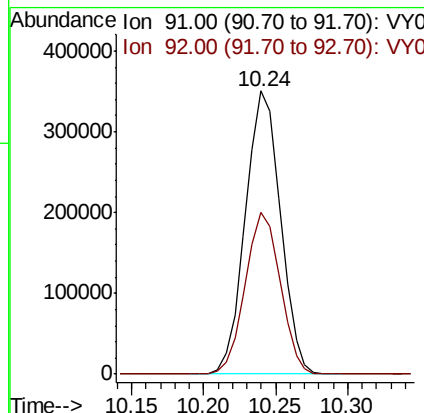
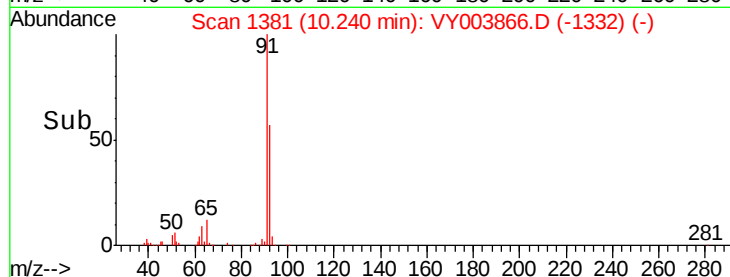
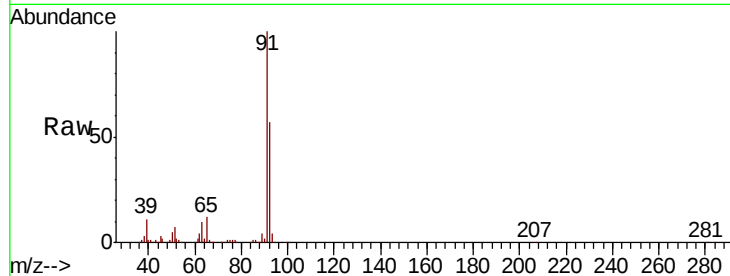
ClientSampleId :

Tot Ion: 91 Resp: 591391

Ion Ratio Lower Upper

91 100

92 57.1 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 26.551 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003866.D

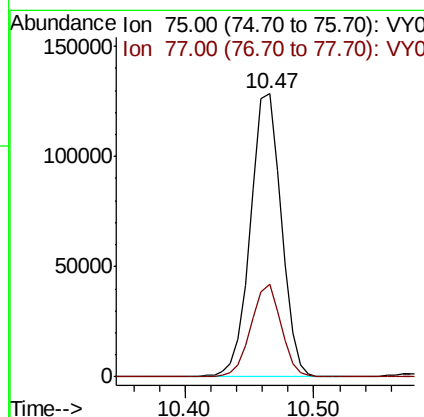
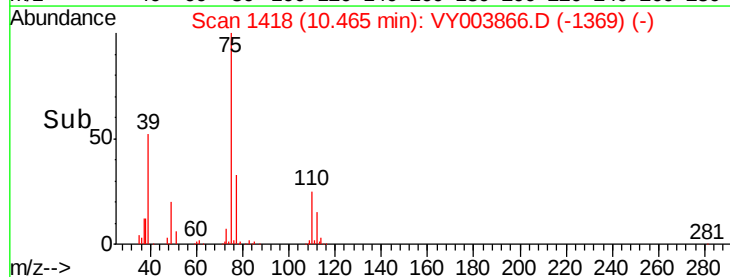
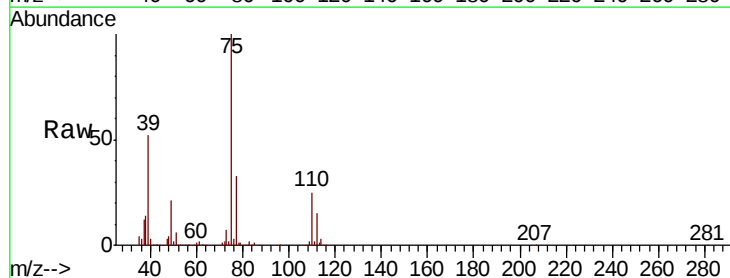
Acq: 30 Dec 2020 16:06

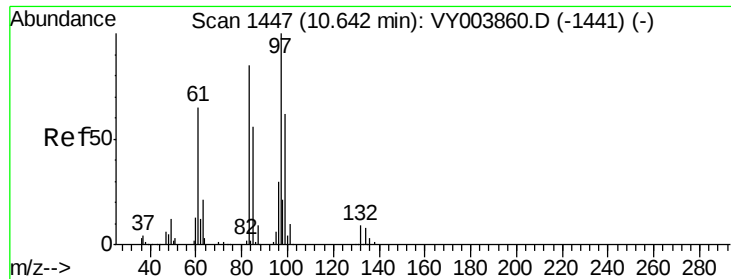
Tgt Ion: 75 Resp: 212431

Ion Ratio Lower Upper

75 100

77 32.8 21.9 40.7

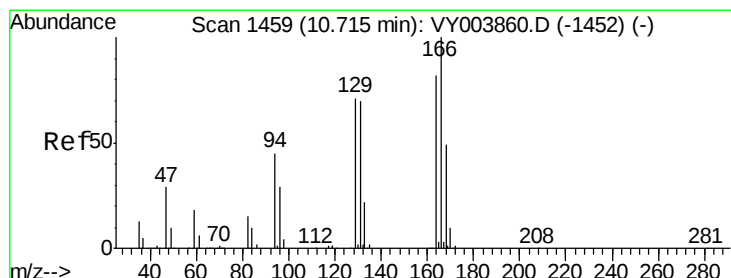
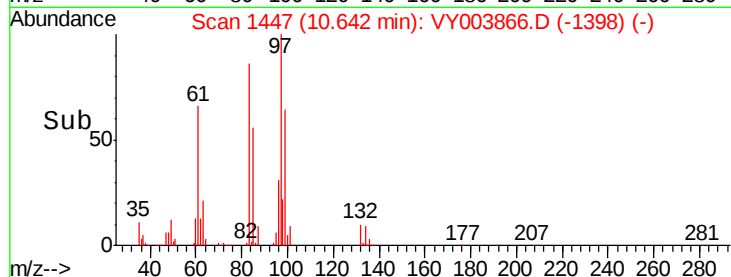
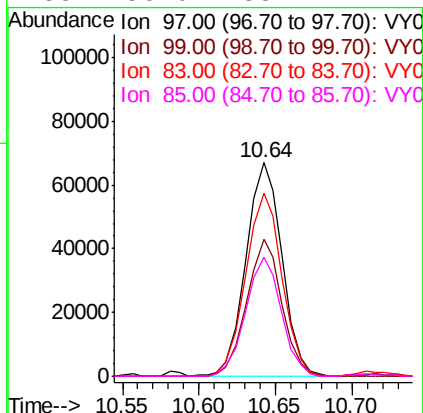
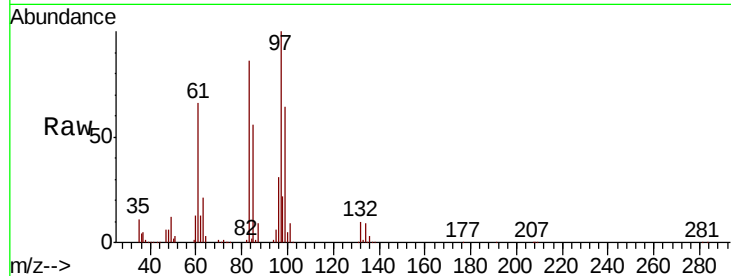




#45
1,1,2-Trichloroethane
Concen: 26.304 ug/L
RT: 10.64 min Scan# 1447
Delta R.T. 0.00 min
Lab File: VY003866.D
Acq: 30 Dec 2020 16:06

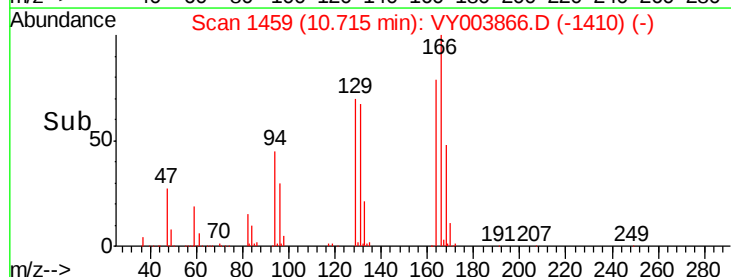
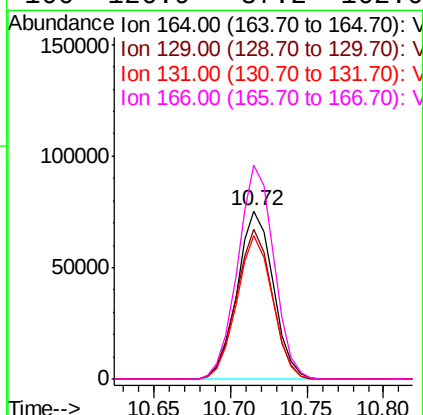
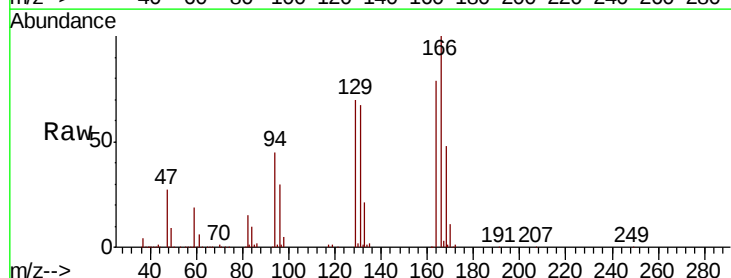
Instrument :
MSVOA_Y
ClientSampled :

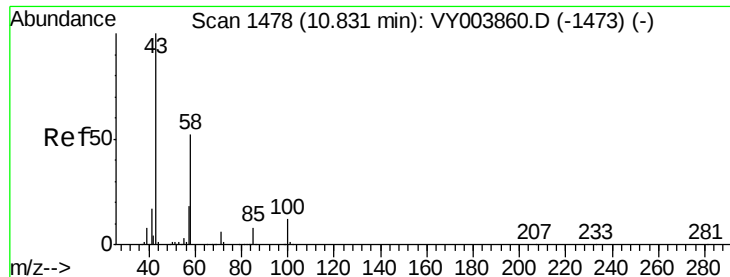
Tot Ion:	97	Resp:	109606
Ion	Ratio	Lower	Upper
97	100		
99	64.2	46.0	85.4
83	85.5	60.8	112.8
85	56.0	38.4	71.2



#46
Tetrachloroethene
Concen: 27.111 ug/L
RT: 10.72 min Scan# 1459
Delta R.T. 0.00 min
Lab File: VY003866.D
Acq: 30 Dec 2020 16:06

Tgt Ion:	164	Resp:	123502
Ion	Ratio	Lower	Upper
164	100		
129	89.0	62.5	116.1
131	84.9	60.7	112.7
166	126.9	87.2	162.0

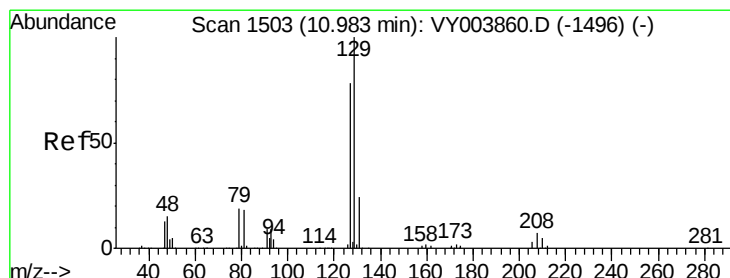
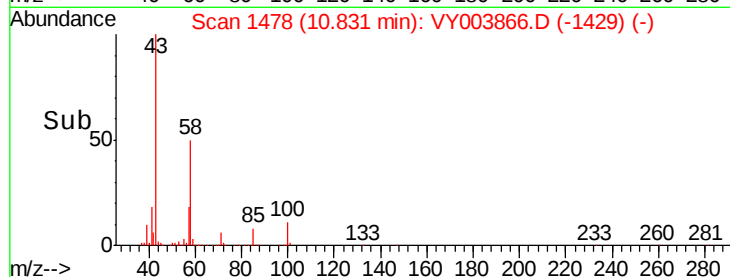
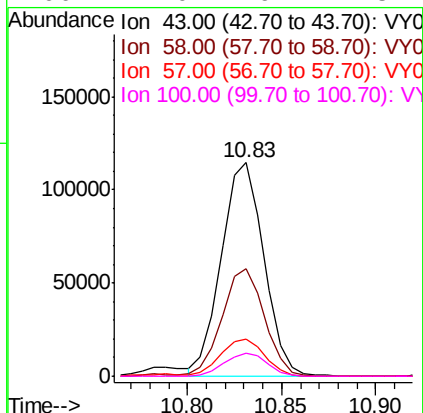
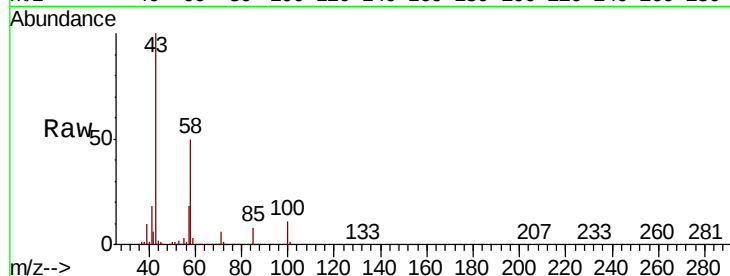




#48
2-Hexanone
Concen: 47.335 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VY003866.D
Acq: 30 Dec 2020 16:06

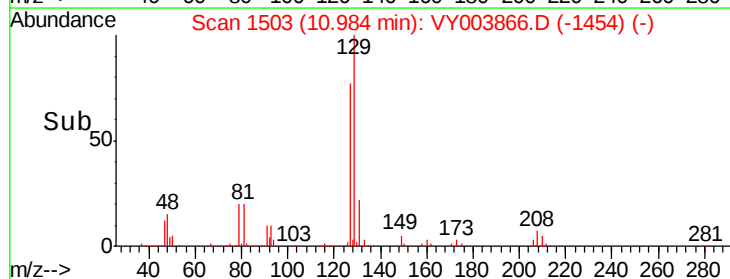
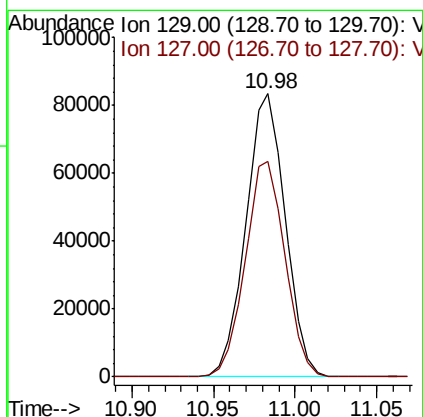
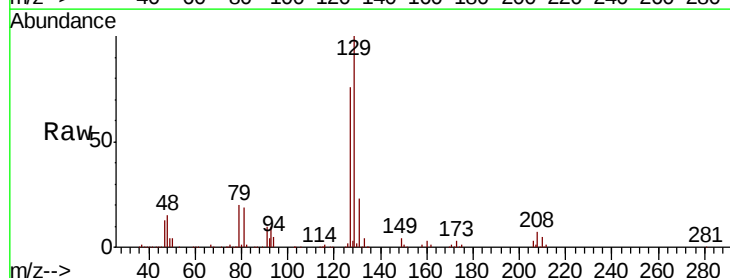
Instrument :
MSVOA_Y
ClientSampleId :

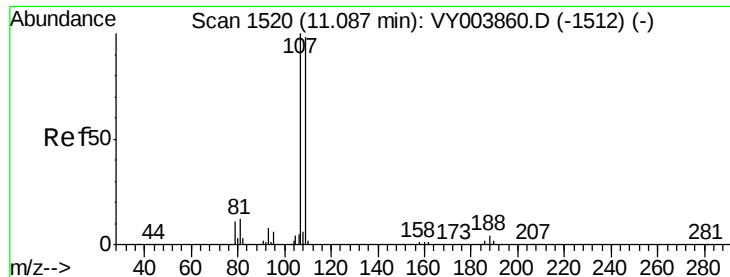
Tot Ion: 43 Resp: 178628
Ion Ratio Lower Upper
43 100
58 50.6 40.6 60.8
57 18.4 14.5 21.7
100 11.0 9.1 13.7



#49
Dibromochloromethane
Concen: 26.612 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. 0.00 min
Lab File: VY003866.D
Acq: 30 Dec 2020 16:06

Tgt Ion: 129 Resp: 140389
Ion Ratio Lower Upper
129 100
127 76.2 52.7 97.9

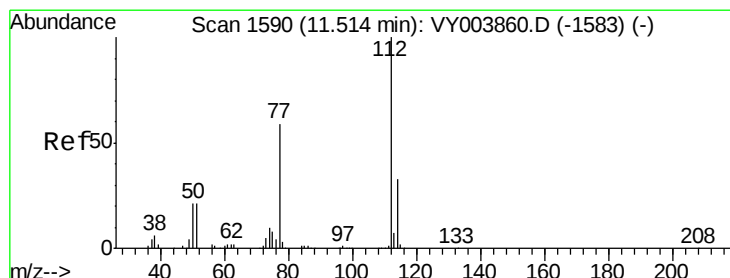
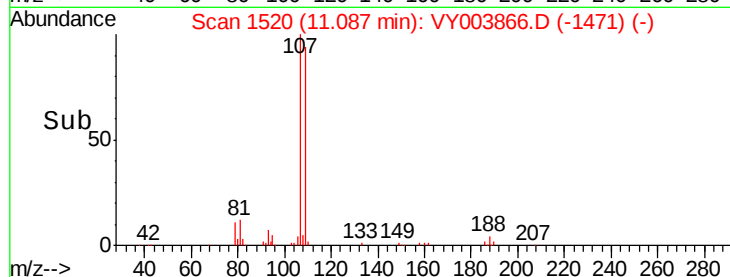
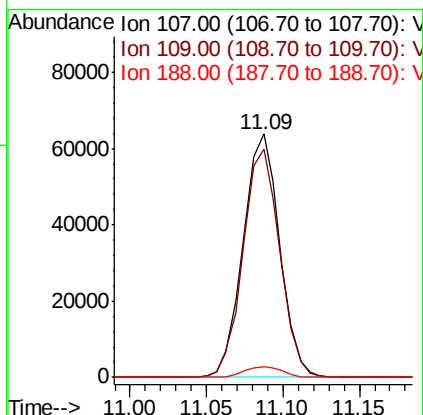
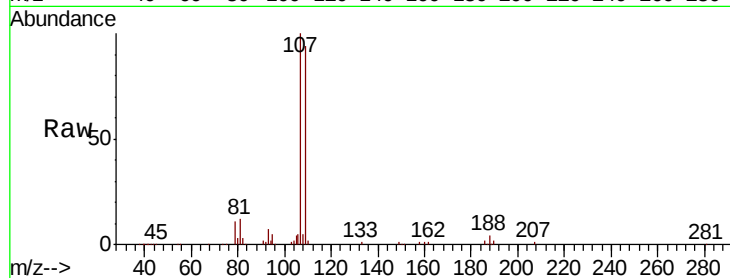




#50
1,2-Dibromoethane
Concen: 25.770 ug/L
RT: 11.09 min Scan# 1520
Delta R.T. 0.00 min
Lab File: VY003866.D
Acq: 30 Dec 2020 16:06

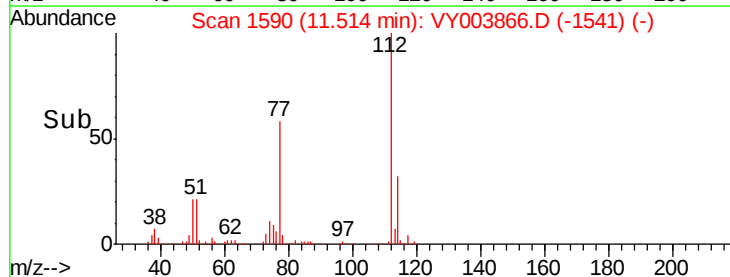
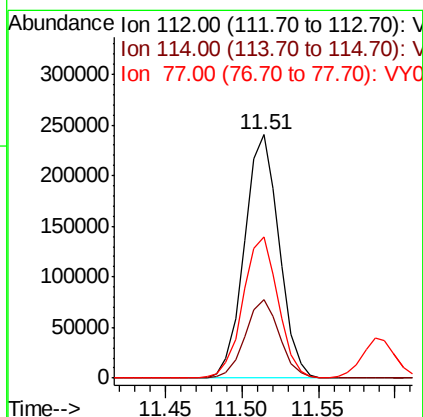
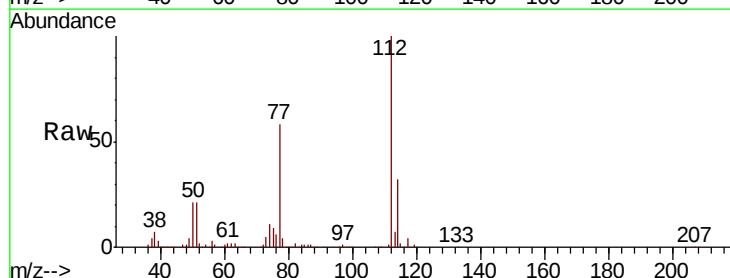
Instrument :
MSVOA_Y
ClientSampleId :

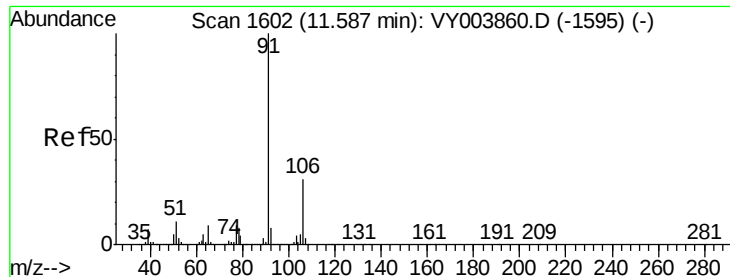
Tot Ion:107 Resp: 106034
Ion Ratio Lower Upper
107 100
109 93.6 65.5 121.7
188 4.3 3.6 5.4



#51
Chlorobenzene
Concen: 27.745 ug/L
RT: 11.51 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VY003866.D
Acq: 30 Dec 2020 16:06

Tgt Ion:112 Resp: 378236
Ion Ratio Lower Upper
112 100
114 32.0 22.5 41.9
77 58.1 45.2 67.8





#52

Ethylbenzene

Concen: 28.194 ug/L

RT: 11.59 min Scan# 1602

Delta R.T. 0.00 min

Lab File: VY003866.D

Acq: 30 Dec 2020 16:06

Instrument :

MSVOA_Y

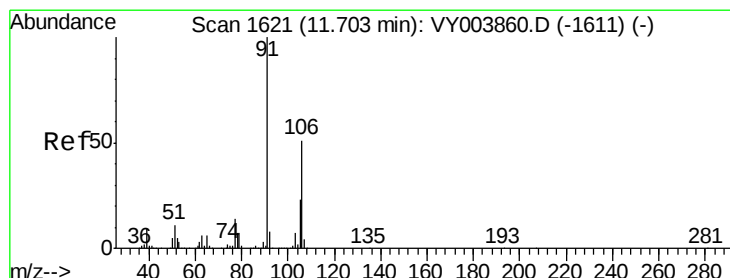
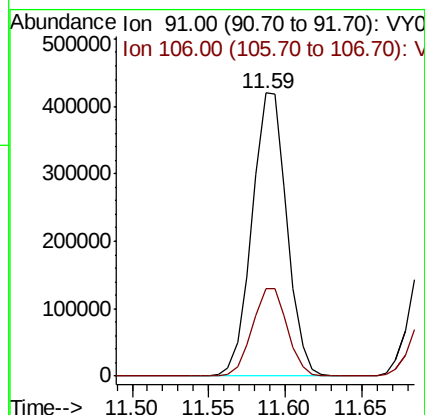
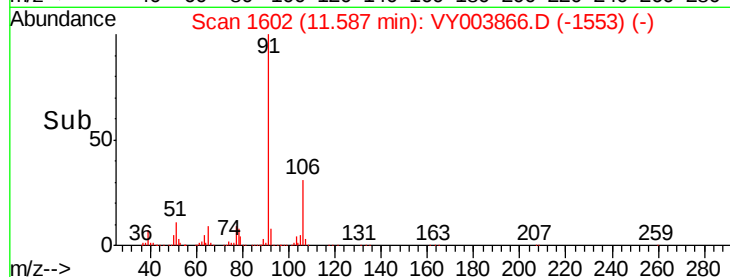
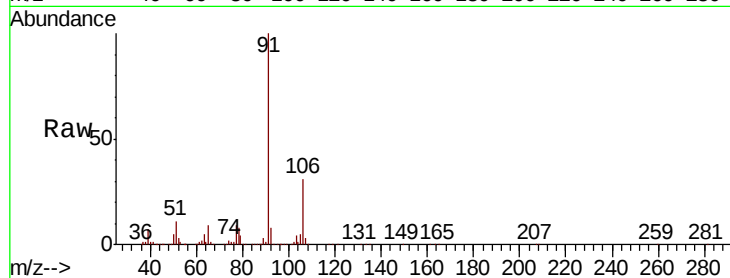
ClientSampled :

Tot Ion: 91 Resp: 665733

Ion Ratio Lower Upper

91 100

106 30.9 21.6 40.0



#53

m,p-Xylene

Concen: 28.315 ug/L

RT: 11.70 min Scan# 1620

Delta R.T. -0.01 min

Lab File: VY003866.D

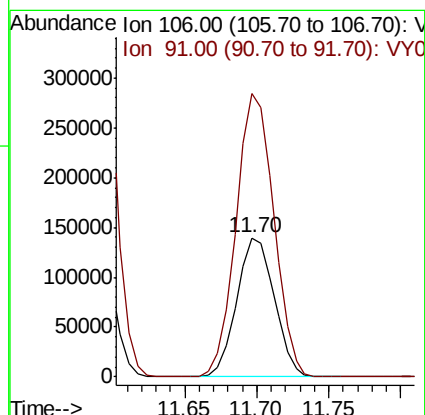
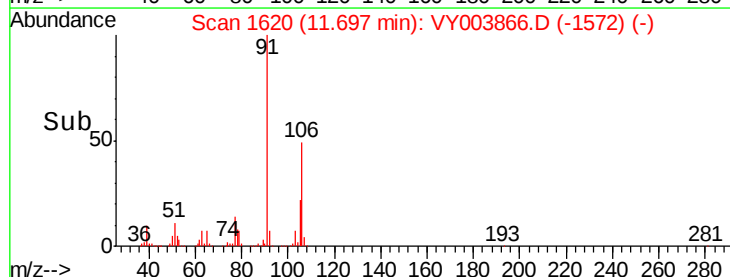
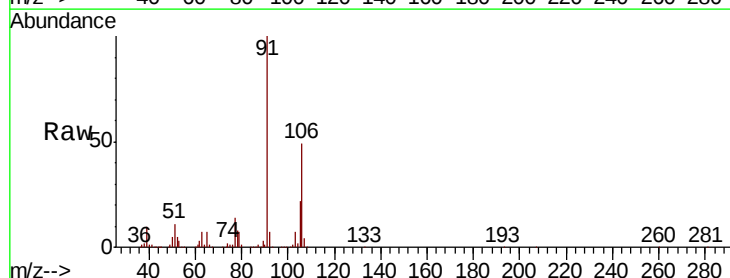
Acq: 30 Dec 2020 16:06

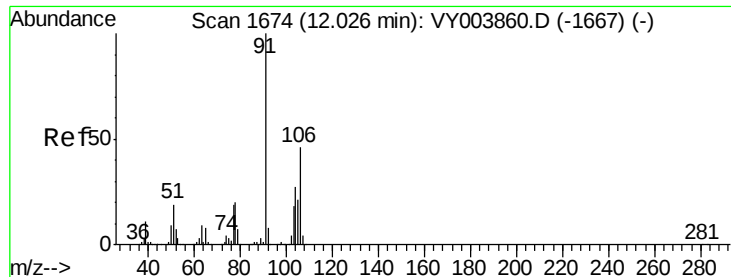
Tgt Ion: 106 Resp: 253555

Ion Ratio Lower Upper

106 100

91 203.5 146.3 271.7

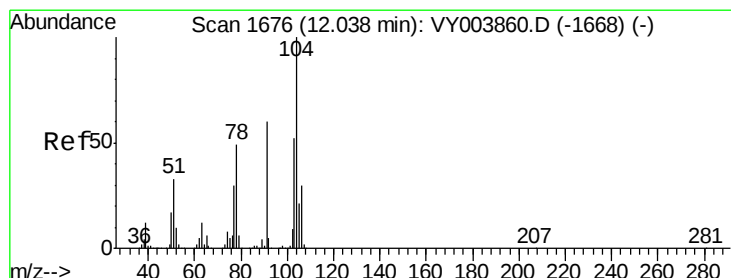
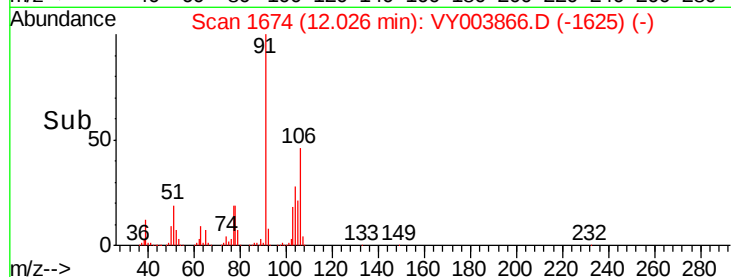
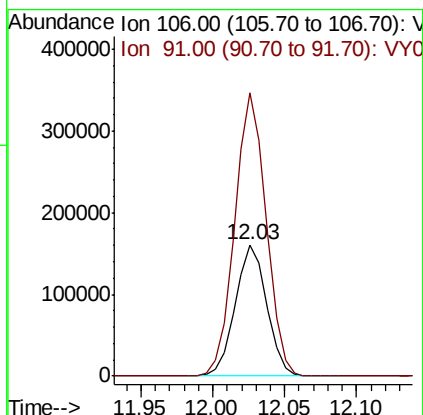
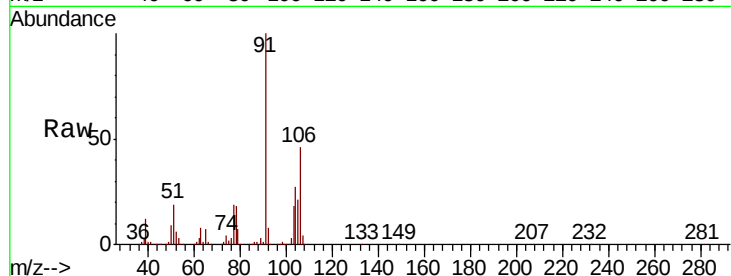




#54
o-Xylene
Concen: 27.906 ug/L
RT: 12.03 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VY003866.D
Acq: 30 Dec 2020 16:06

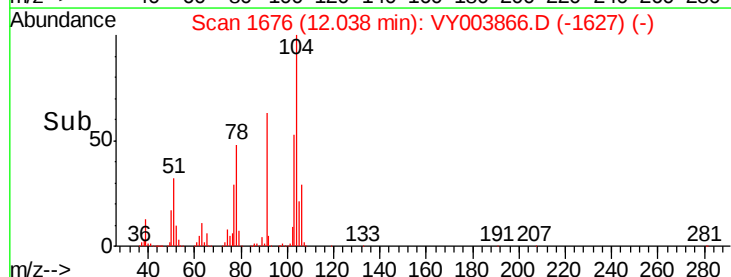
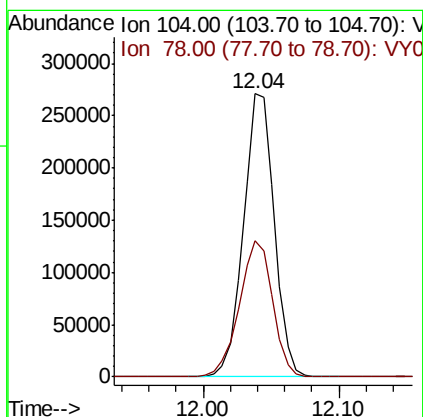
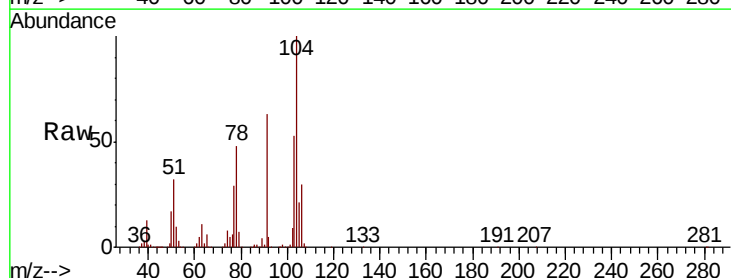
Instrument :
MSVOA_Y
ClientSampleId :

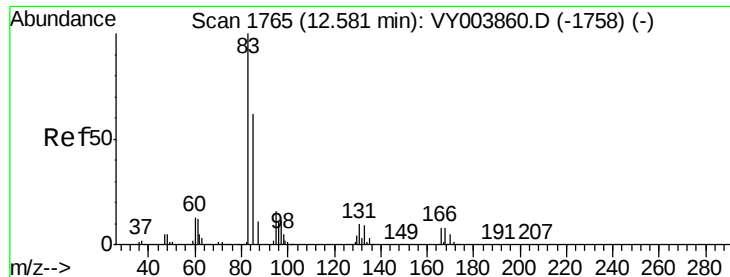
Tot Ion:106 Resp: 243318
Ion Ratio Lower Upper
106 100
91 215.6 147.7 274.3



#55
Styrene
Concen: 28.464 ug/L
RT: 12.04 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VY003866.D
Acq: 30 Dec 2020 16:06

Tgt Ion:104 Resp: 429197
Ion Ratio Lower Upper
104 100
78 48.1 33.2 61.7





#57

1,1,2,2-Tetrachloroethane

Concen: 25.956 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VY003866.D

Acq: 30 Dec 2020 16:06

Instrument :

MSVOA_Y

ClientSampled :

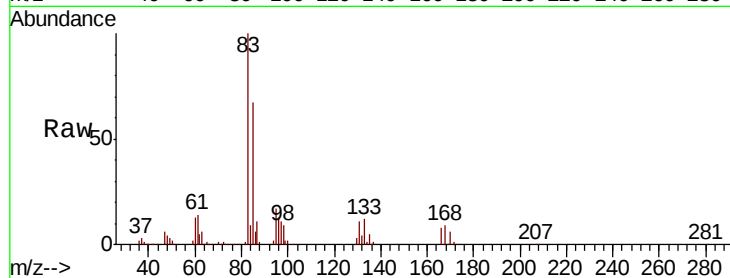
Tot Ion: 83 Resp: 127995

Ion Ratio Lower Upper

83 100

85 66.8 44.9 83.3

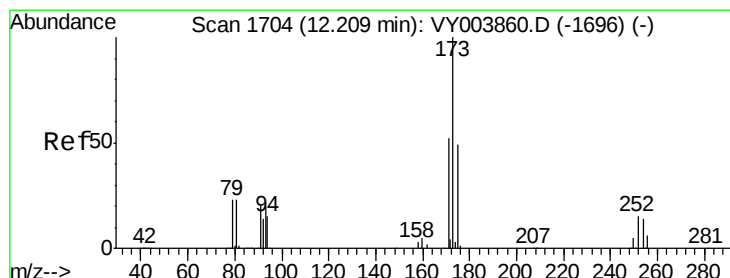
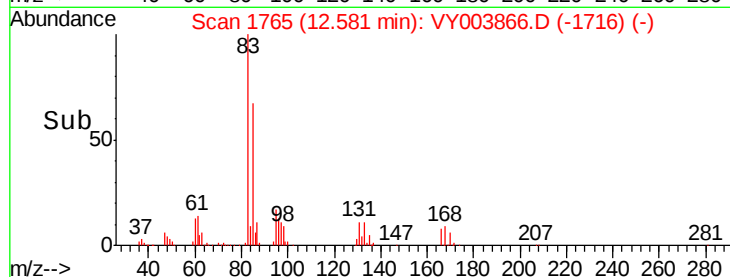
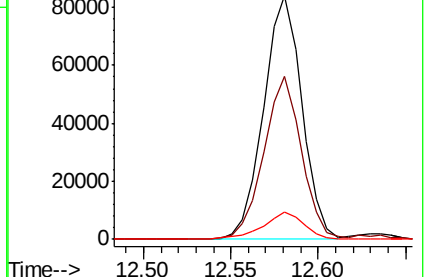
131 11.0 9.0 13.6



Abundance Ion 83.00 (82.70 to 83.70): VY003866.D (-1758) (-)

Ion 85.00 (84.70 to 85.70): VY003866.D (-1758) (-)

Ion 131.00 (130.70 to 131.70): VY003866.D (-1758) (-)



#59

Bromoform

Concen: 24.779 ug/L

RT: 12.20 min Scan# 1703

Delta R.T. -0.01 min

Lab File: VY003866.D

Acq: 30 Dec 2020 16:06

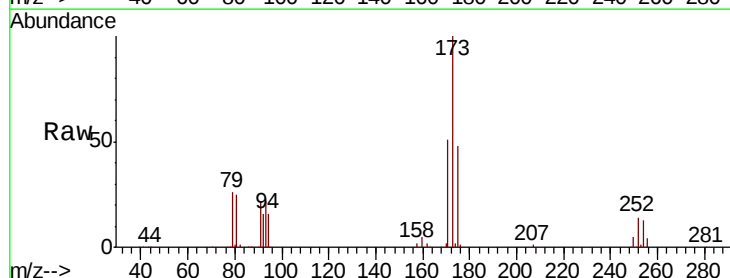
Tgt Ion: 173 Resp: 96053

Ion Ratio Lower Upper

173 100

175 49.9 38.9 58.3

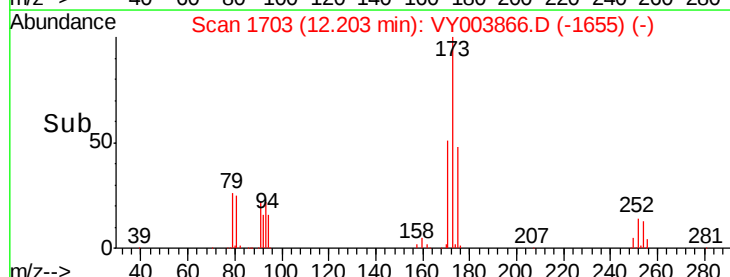
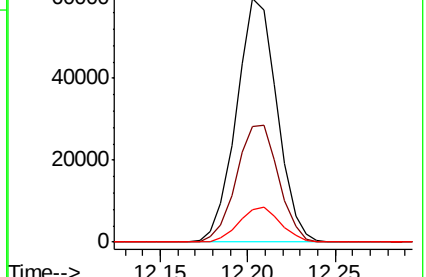
254 14.5 11.5 17.3

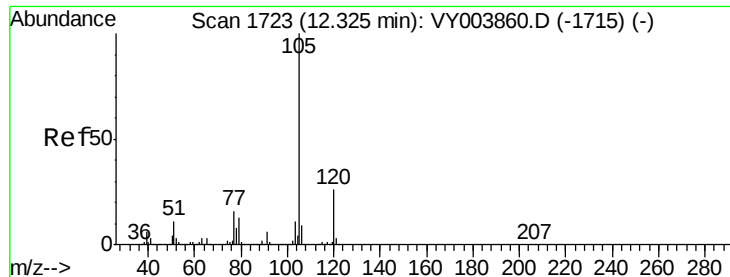


Abundance Ion 173.00 (172.70 to 173.70): VY003866.D (-1696) (-)

Ion 175.00 (174.70 to 175.70): VY003866.D (-1696) (-)

Ion 254.00 (253.70 to 254.70): VY003866.D (-1696) (-)





#60

Isopropylbenzene

Concen: 28.194 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. 0.00 min

Lab File: VY003866.D

Acq: 30 Dec 2020 16:06

Instrument :

MSVOA_Y

ClientSampleId :

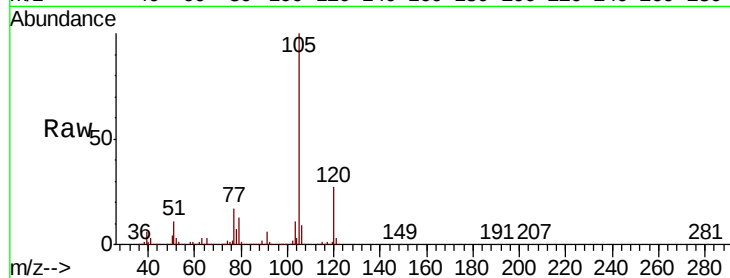
Tot Ion:105 Resp: 669466

Ion Ratio Lower Upper

105 100

120 27.4 21.7 32.5

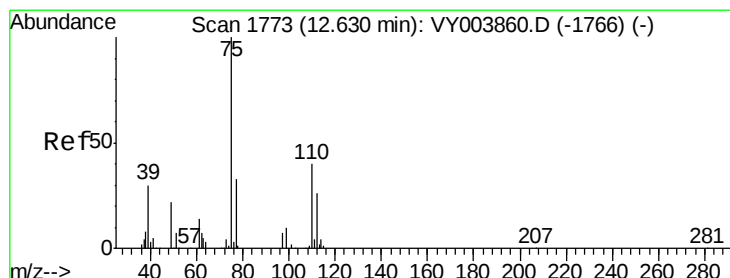
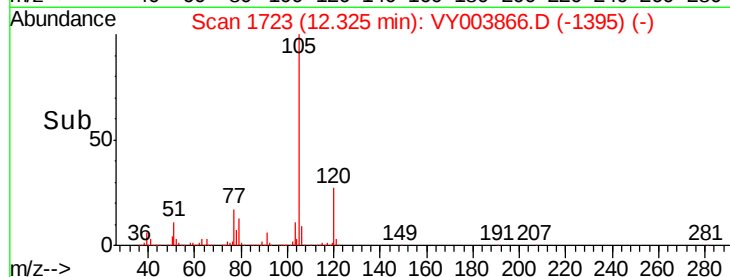
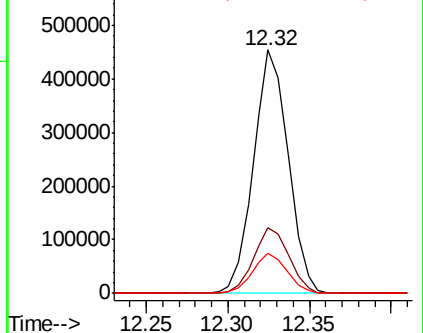
77 16.3 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 25.002 ug/L

RT: 12.63 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VY003866.D

Acq: 30 Dec 2020 16:06

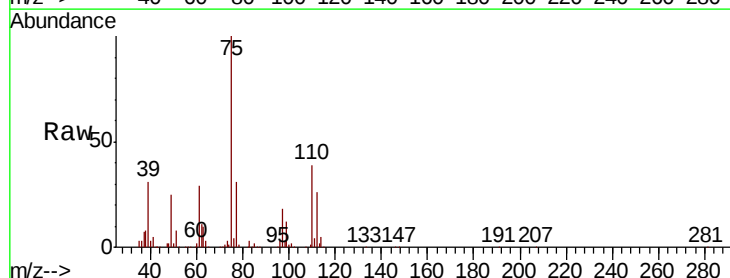
Tgt Ion: 75 Resp: 110282

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.4

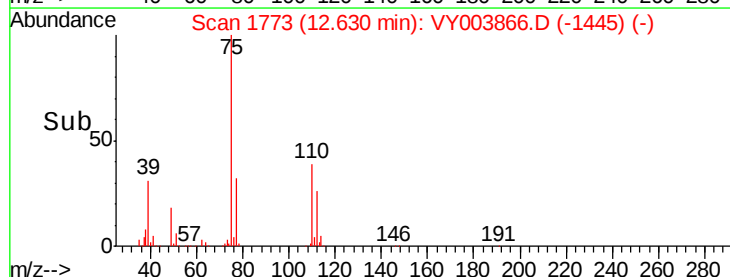
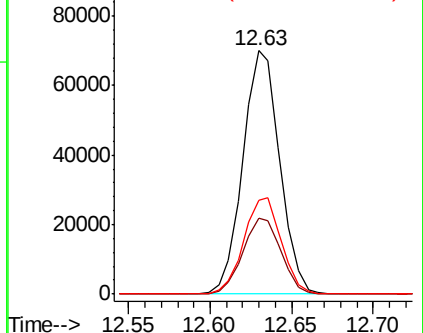
110 40.3 32.4 48.6

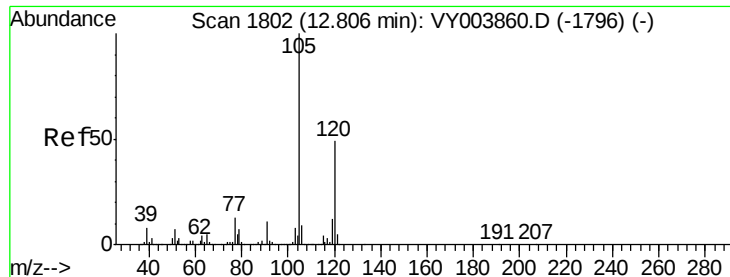


Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 28.464 ug/L

RT: 12.81 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VY003866.D

Acq: 30 Dec 2020 16:06

Instrument :

MSVOA_Y

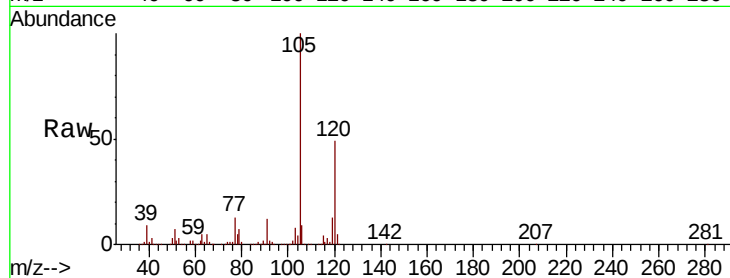
ClientSampleId :

Tot Ion:105 Resp: 561381

Ion Ratio Lower Upper

105 100

120 49.0 39.0 58.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.81

400000

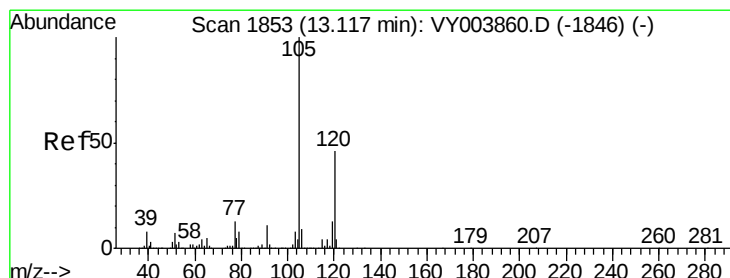
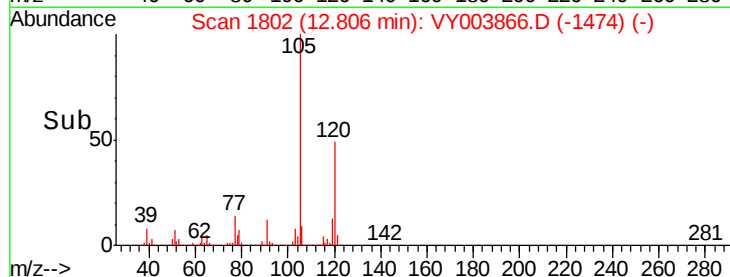
300000

200000

100000

0

Time-->



#63

1,2,4-Trimethylbenzene

Concen: 28.533 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VY003866.D

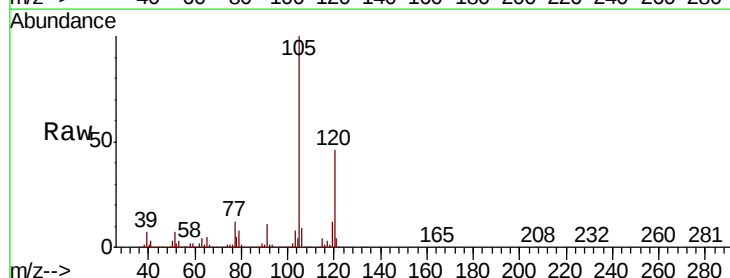
Acq: 30 Dec 2020 16:06

Tgt Ion:105 Resp: 570115

Ion Ratio Lower Upper

105 100

120 45.5 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.12

400000

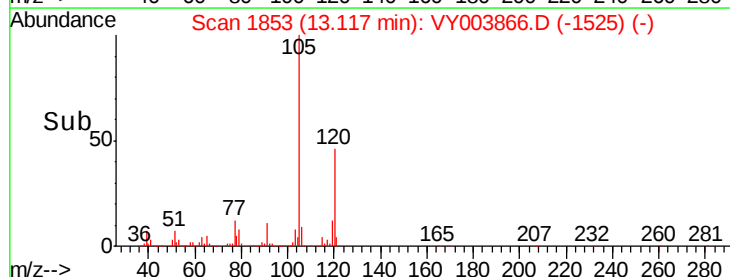
300000

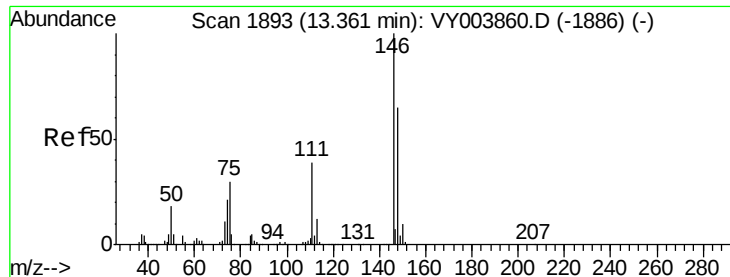
200000

100000

0

Time-->





#64

1,3-Dichlorobenzene

Concen: 27.460 ug/L

RT: 13.36 min Scan# 1893

Delta R.T. 0.00 min

Lab File: VY003866.D

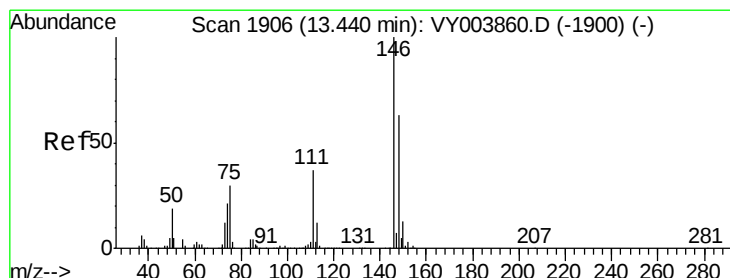
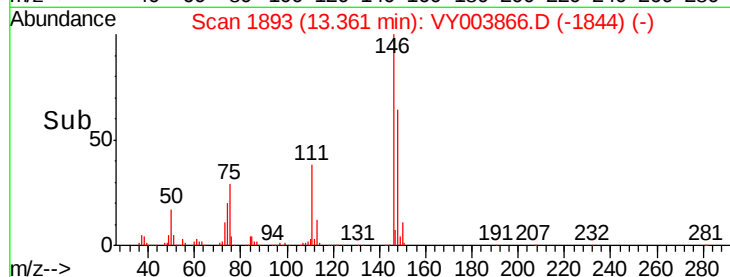
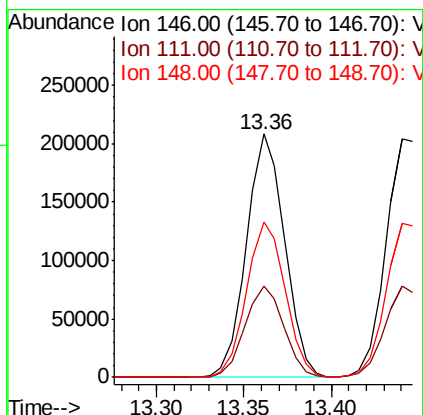
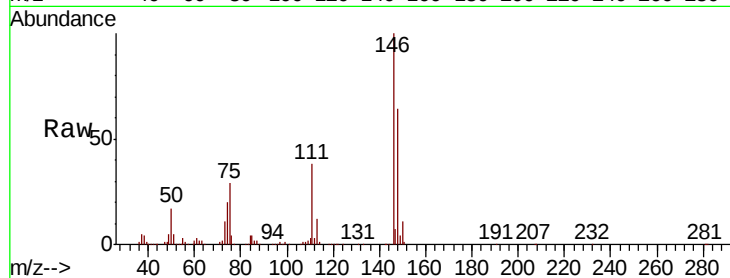
Acq: 30 Dec 2020 16:06

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion:146	Resp:	315857
Ion Ratio	Lower	Upper
146	100	
111	37.5	27.7 51.5
148	63.8	45.4 84.4



#65

1,4-Dichlorobenzene

Concen: 27.319 ug/L

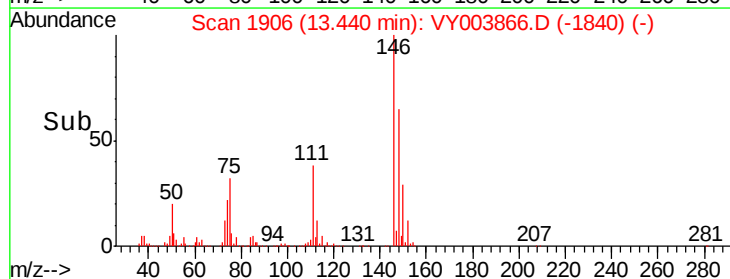
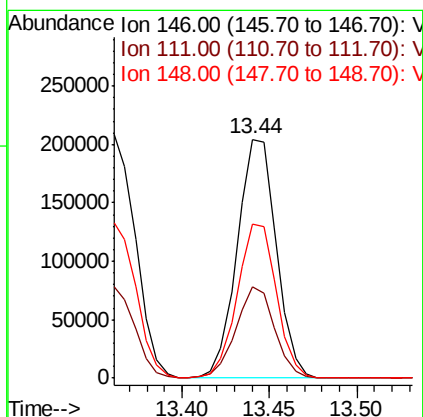
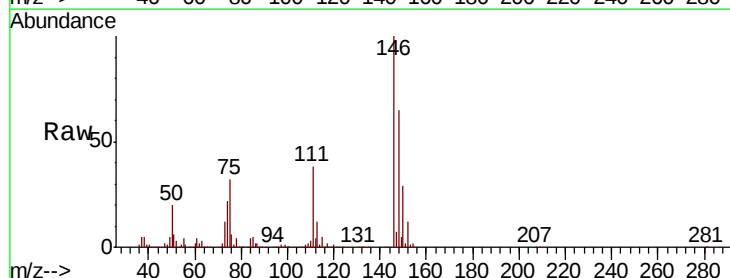
RT: 13.44 min Scan# 1906

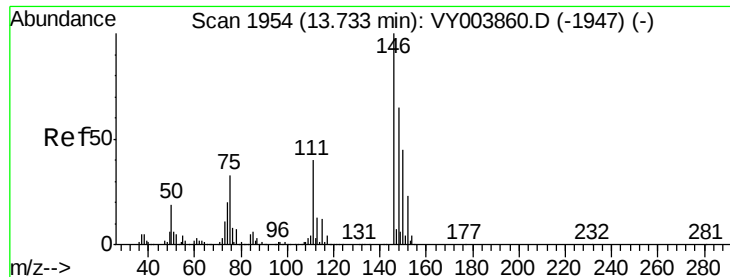
Delta R.T. 0.00 min

Lab File: VY003866.D

Acq: 30 Dec 2020 16:06

Tgt Ion:146	Resp:	318199
Ion Ratio	Lower	Upper
146	100	
111	38.4	25.7 47.7
148	64.6	44.4 82.4

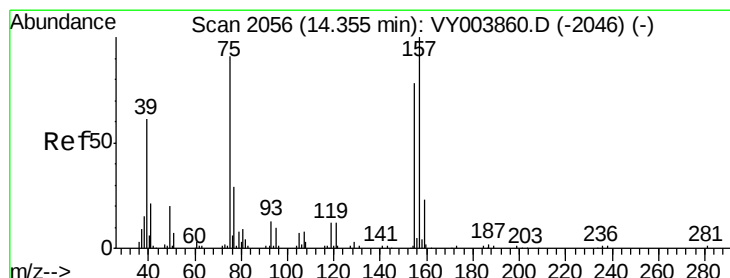
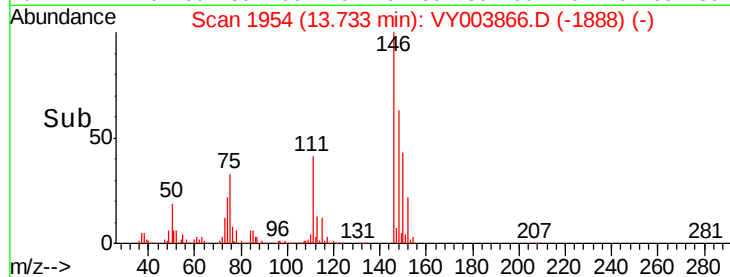
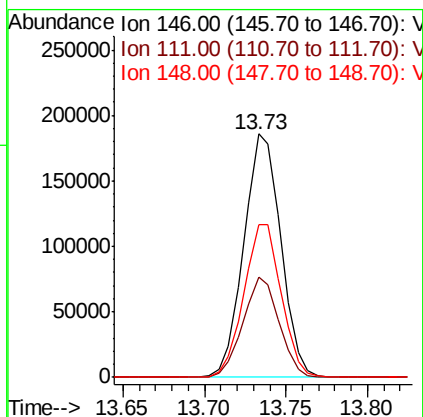
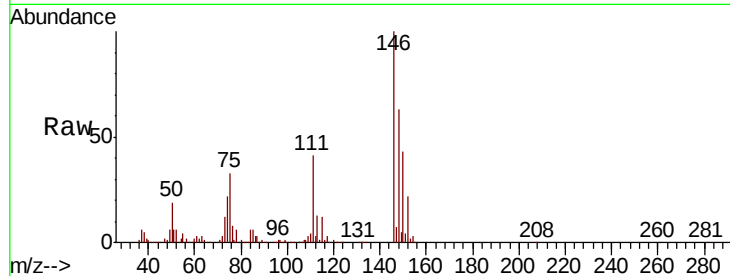




#67
 1,2-Dichlorobenzene
 Concen: 27.282 ug/L
 RT: 13.73 min Scan# 1954
 Delta R.T. 0.00 min
 Lab File: VY003866.D
 Acq: 30 Dec 2020 16:06

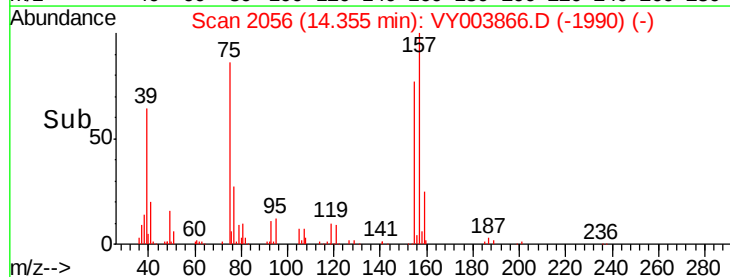
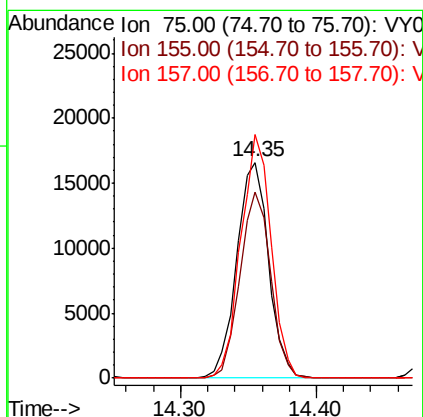
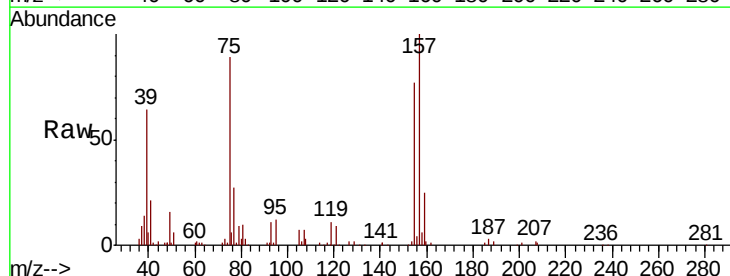
Instrument :
 MSVOA_Y
 ClientSampleId :

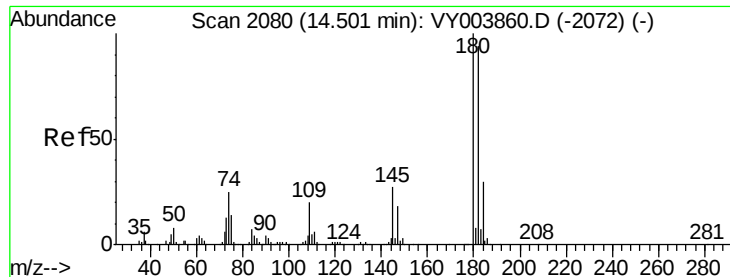
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	31.3	46.9
148	62.9	51.0	76.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 24.742 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. 0.00 min
 Lab File: VY003866.D
 Acq: 30 Dec 2020 16:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.4	68.2	102.4
157	112.8	90.2	135.4

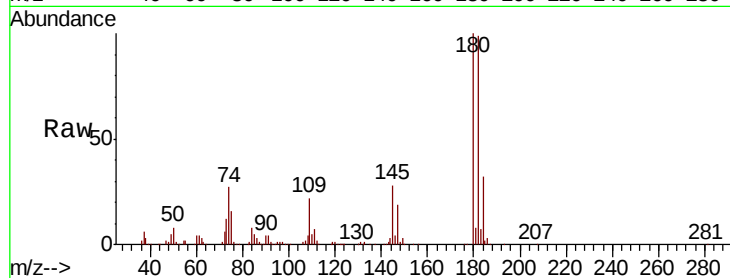




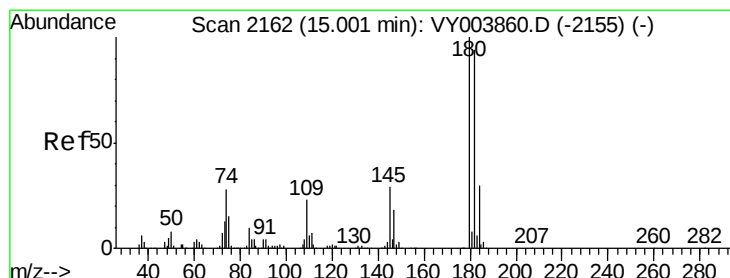
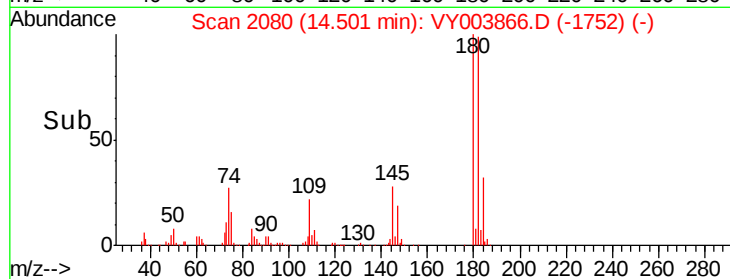
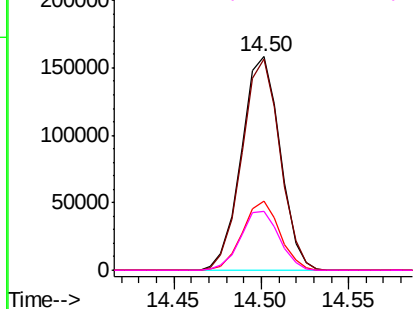
#69
 1,3,5-Trichlorobenzene
 Concen: 27.219 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VY003866.D
 Acq: 30 Dec 2020 16:06

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:180	Resp:	244070
Ion Ratio	Lower	Upper
180	100	
182	97.4	75.6 113.4
184	31.3	24.9 37.3
145	27.7	21.8 32.6

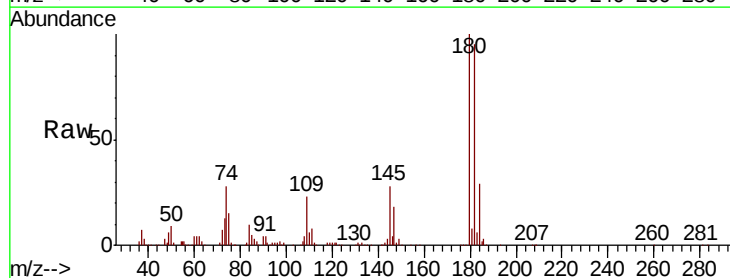


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

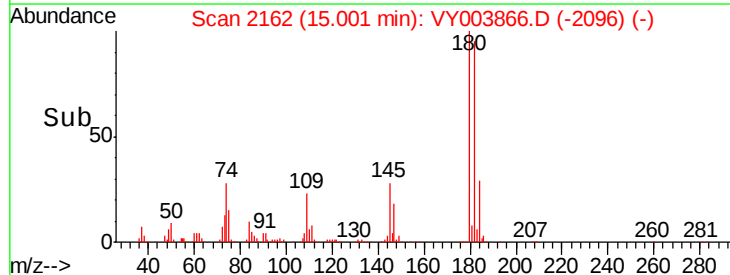
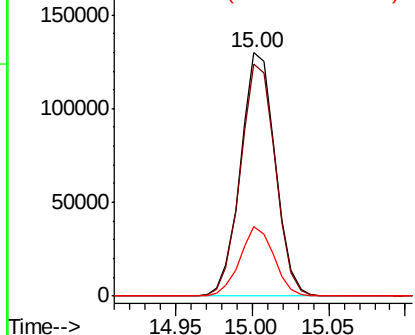


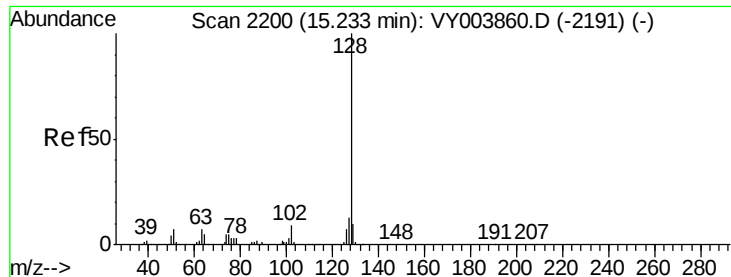
#70
 1,2,4-trichlorobenzene
 Concen: 26.837 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. 0.00 min
 Lab File: VY003866.D
 Acq: 30 Dec 2020 16:06

Tgt Ion:180	Resp:	204038
Ion Ratio	Lower	Upper
180	100	
182	96.0	76.1 114.1
145	28.1	22.6 33.8



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

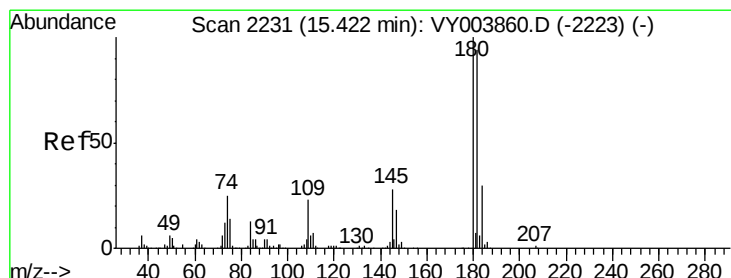
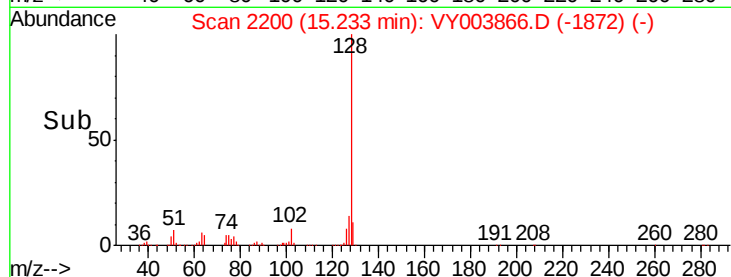
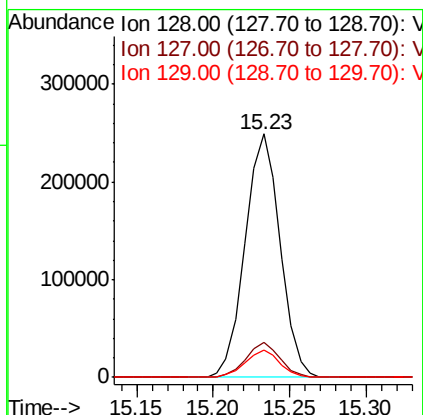
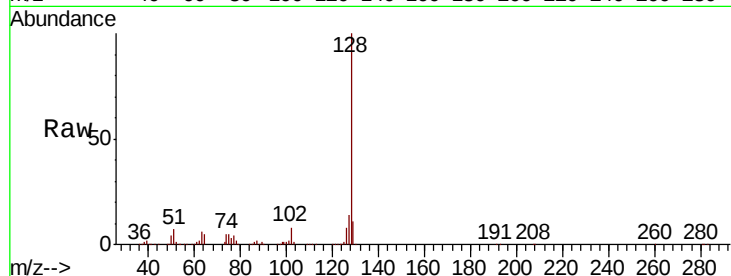




#71
Naphthalene
Concen: 25.025 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VY003866.D
Acq: 30 Dec 2020 16:06

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:128 Resp: 397201
Ion Ratio Lower Upper
128 100
127 13.6 10.7 16.1
129 10.8 8.9 13.3



#72
1,2,3-Trichlorobenzene
Concen: 26.587 ug/L
RT: 15.42 min Scan# 2231
Delta R.T. 0.00 min
Lab File: VY003866.D
Acq: 30 Dec 2020 16:06

Tgt Ion:180 Resp: 178549
Ion Ratio Lower Upper
180 100
182 95.6 74.6 111.8
145 30.2 23.3 34.9

