

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121820\
 Data File : VY003822.D
 Acq On : 18 Dec 2020 17:08
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 19 00:19:21 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	254647	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	234296	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	124115	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	77757	22.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.52%
7) Chloroethane-d5	2.77	69	59164	22.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.36%
10) 1,1-Dichloroethene-d2	3.87	63	148329	20.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.24%
20) 2-Butanone-d5	6.90	46	46464	30.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	61.36%
24) Chloroform-d	7.49	84	142814	21.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.36%
26) 1,2-Dichloroethane-d4	8.15	65	75940	20.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.24%
29) Benzene-d6	8.12	84	306149	22.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.32%
33) 1,2-Dichloropropane-d6	9.12	67	88547	20.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.88%
37) Toluene-d8	10.18	98	283402	23.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.36%
38) trans-1,3-Dichloropropene-	10.44	79	43695	21.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.92%
39) 2-Hexanone-d5	10.79	63	40938	35.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.32%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	74612	20.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.84%
61) 1,2-Dichlorobenzene-d4	13.72	152	103220	23.15	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	98868	22.750	ug/L 100
3) Chloromethane	2.12	50	94451	23.791	ug/L 98
5) Vinyl chloride	2.26	62	99231	24.881	ug/L 100
6) Bromomethane	2.66	94	56894	23.333	ug/L 99
8) Chloroethane	2.81	64	57197	24.544	ug/L 100
9) Trichlorofluoromethane	3.14	101	138246	22.689	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	84664	22.867	ug/L 97
12) 1,1-Dichloroethene	3.89	96	83359	23.685	ug/L 80
13) Acetone	3.97	43	28887	27.665	ug/L 95
14) Carbon disulfide	4.21	76	287981	23.254	ug/L 98
15) Methyl Acetate	4.50	43	41213	15.154	ug/L 93
16) Methylene chloride	4.73	84	91482	20.011	ug/L 93
17) Methyl tert-butyl Ether	5.24	73	198153	20.066	ug/L 98
18) trans-1,2-Dichloroethene	5.24	96	88482	23.208	ug/L 92
19) 1,1-Dichloroethane	6.03	63	142315	21.583	ug/L 97
21) 2-Butanone	7.00	43	51859	28.574	ug/L 91
22) cis-1,2-Dichloroethene	7.00	96	93414	23.105	ug/L 95

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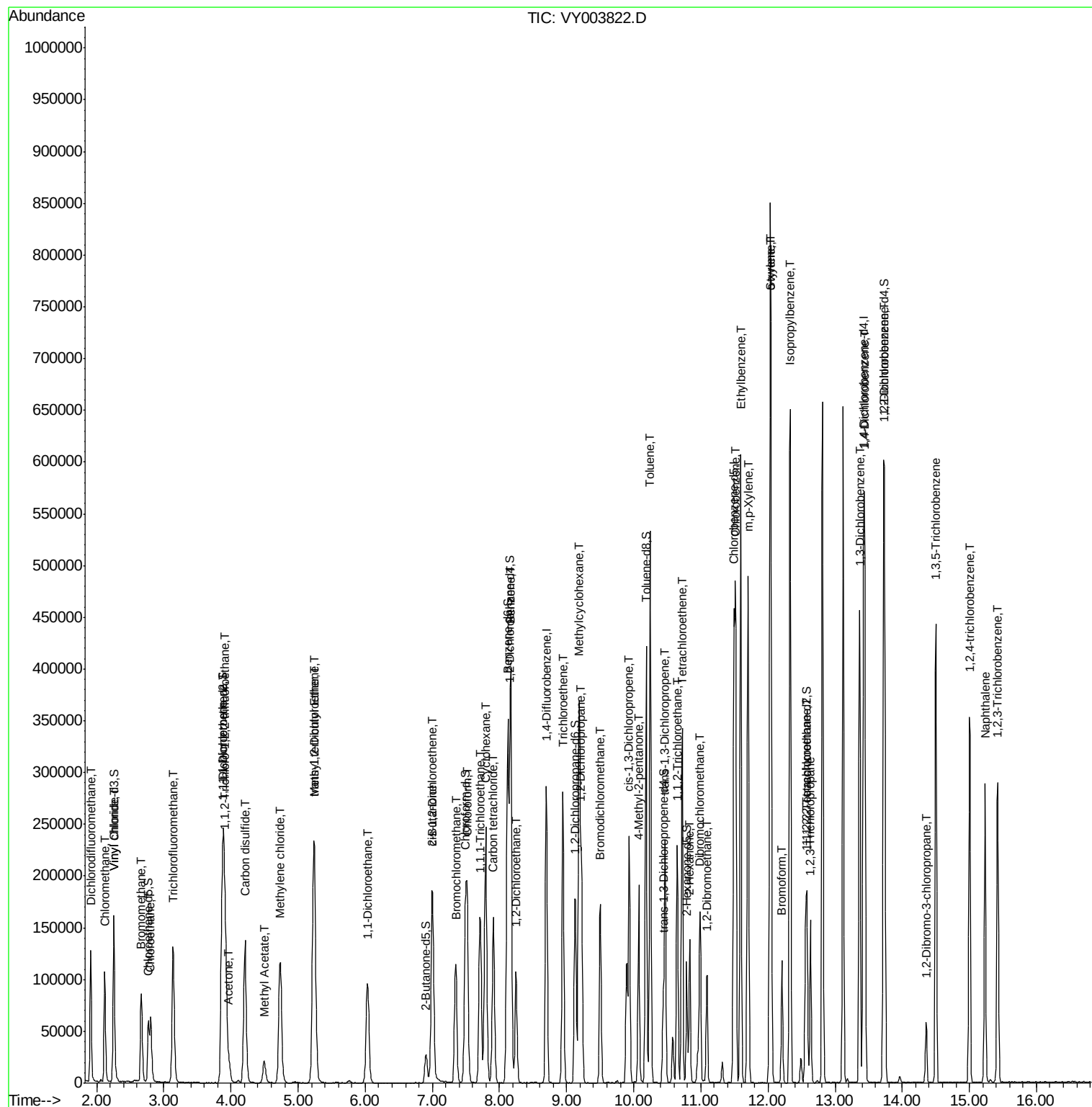
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	43777	22.525	ug/L	90
25) Chloroform	7.51	83	145702	22.470	ug/L	99
27) 1,2-Dichloroethane	8.25	62	92802	20.651	ug/L	98
30) Cyclohexane	7.79	56	140177	21.796	ug/L	92
31) 1,1,1-Trichloroethane	7.71	97	133346	23.274	ug/L	98
32) Carbon tetrachloride	7.91	117	124484	24.606	ug/L	98
34) Benzene	8.17	78	354909	23.808	ug/L	100
35) Trichloroethene	8.95	95	92174	23.036	ug/L	96
36) Methylcyclohexane	9.19	83	159345	23.510	ug/L	96
40) 1,2-Dichloropropane	9.22	63	84189	21.789	ug/L	99
41) Bromodichloromethane	9.50	83	107069	22.134	ug/L	97
42) cis-1,3-Dichloropropene	9.93	75	135569	22.082	ug/L	100
43) 4-Methyl-2-pentanone	10.08	43	119146	31.802	ug/L	95
44) Toluene	10.25	91	388785	24.553	ug/L	100
45) trans-1,3-Dichloropropene	10.47	75	121791	21.679	ug/L	100
46) 1,1,2-Trichloroethane	10.65	97	69206	22.117	ug/L	96
47) Tetrachloroethene	10.72	164	77528	24.368	ug/L	97
49) 2-Hexanone	10.83	43	84516	32.873	ug/L	95
50) Dibromochloromethane	10.99	129	83594	22.805	ug/L	96
51) 1,2-Dibromoethane	11.09	107	67002	21.613	ug/L #	99
52) Chlorobenzene	11.51	112	246296	24.302	ug/L	97
53) Ethylbenzene	11.59	91	419238	24.232	ug/L	98
54) m,p-Xylene	11.70	106	163911	24.562	ug/L	96
55) o-xylene	12.03	106	154410	24.657	ug/L	94
56) Styrene	12.04	104	268298	25.095	ug/L	95
57) Isopropylbenzene	12.33	105	412621	24.675	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	75409	20.628	ug/L	99
59) 1,2,3-Trichloropropane	12.64	75	59112	19.167	ug/L	98
62) Bromoform	12.21	173	52967	20.727	ug/L	100
63) 1,3-Dichlorobenzene	13.37	146	193914	24.164	ug/L	97
64) 1,4-Dichlorobenzene	13.45	146	192544	23.606	ug/L	100
65) 1,2-Dichlorobenzene	13.74	146	177334	23.947	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.35	75	12780	17.553	ug/L	87
67) 1,3,5-Trichlorobenzene	14.50	180	137526	24.615	ug/L	99
68) 1,2,4-trichlorobenzene	15.00	180	112474	23.602	ug/L	98
69) Naphthalene	15.23	128	230455	21.195	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	97737	22.550	ug/L	100

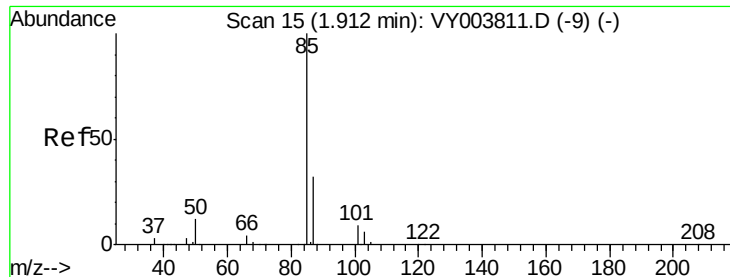
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.750 ug/L

RT: 1.91 min Scan# 15

Delta R.T. -0.00 min

Lab File: VY003822.D

Acq: 18 Dec 2020 17:08

Instrument :

MSVOA_Y

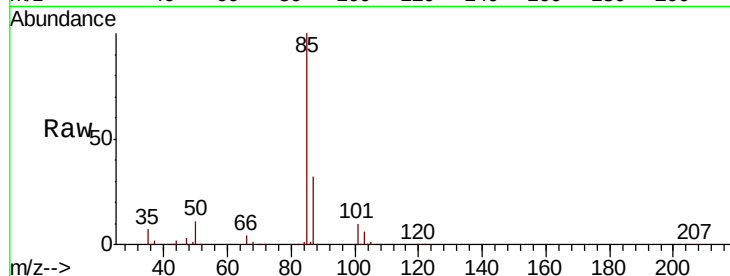
ClientSampleId :

Tot Ion: 85 Resp: 98868

Ion Ratio Lower Upper

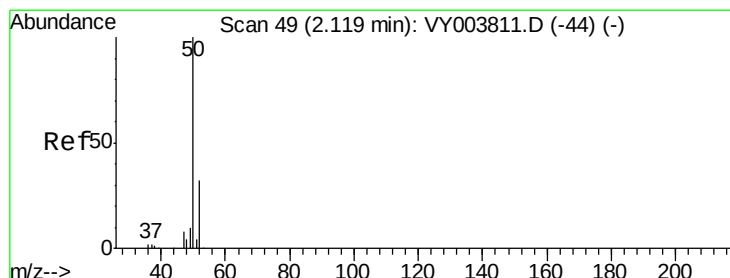
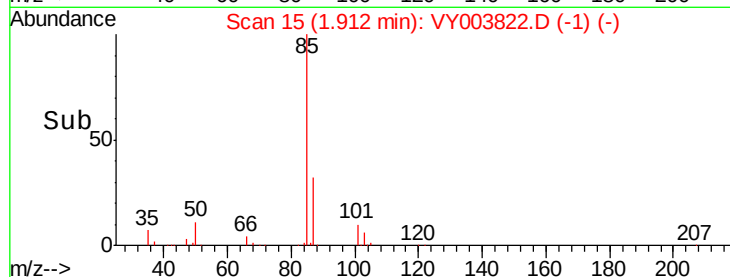
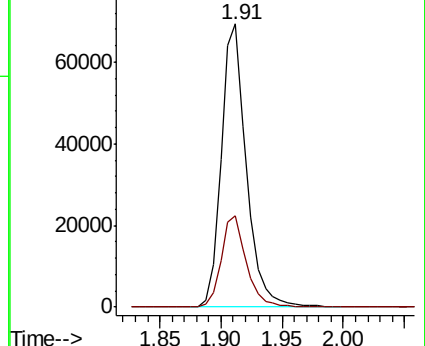
85 100

87 32.3 22.7 42.3



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 23.791 ug/L

RT: 2.12 min Scan# 49

Delta R.T. -0.00 min

Lab File: VY003822.D

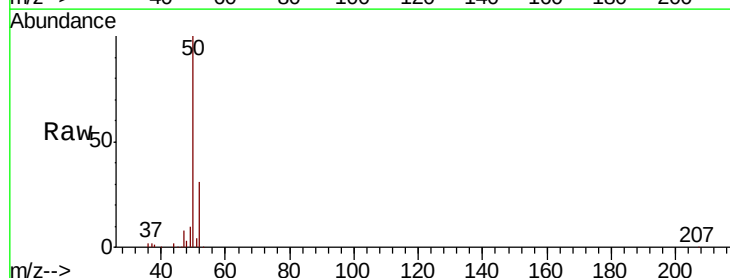
Acq: 18 Dec 2020 17:08

Tgt Ion: 50 Resp: 94451

Ion Ratio Lower Upper

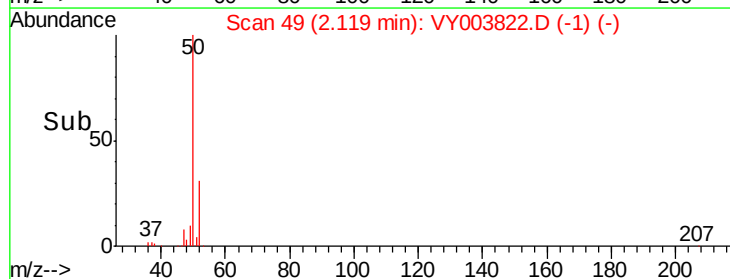
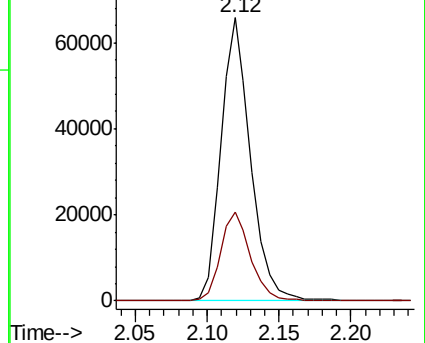
50 100

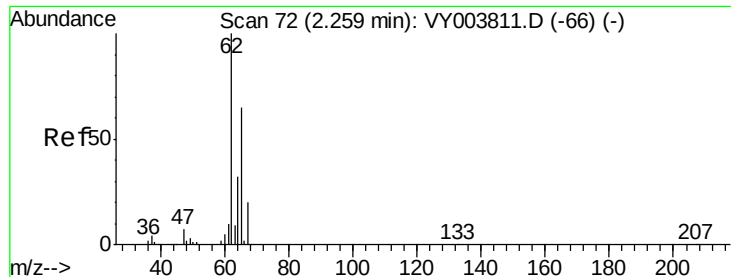
52 31.4 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 24.881 ug/L

RT: 2.26 min Scan# 72

Delta R.T. -0.00 min

Lab File: VY003822.D

Acq: 18 Dec 2020 17:08

Instrument :

MSVOA_Y

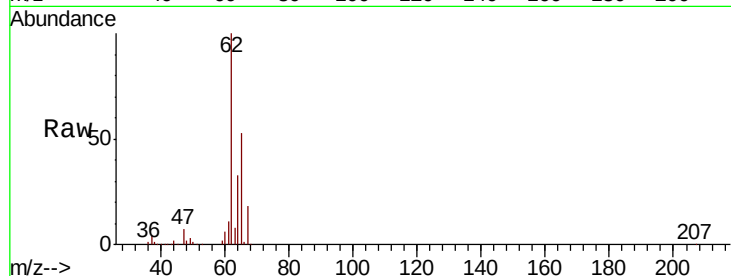
ClientSampleId :

Tot Ion: 62 Resp: 99231

Ion Ratio Lower Upper

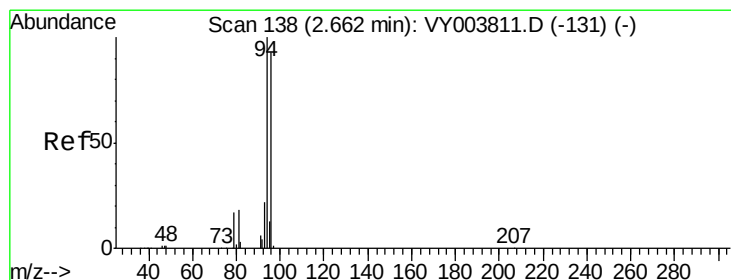
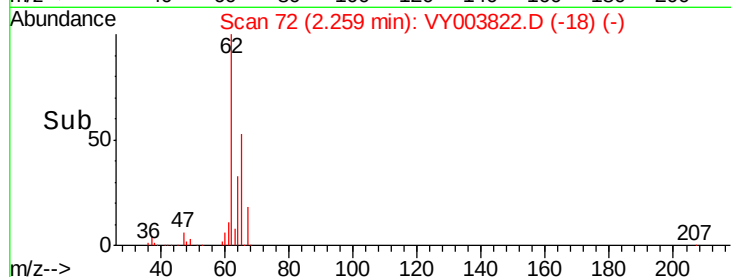
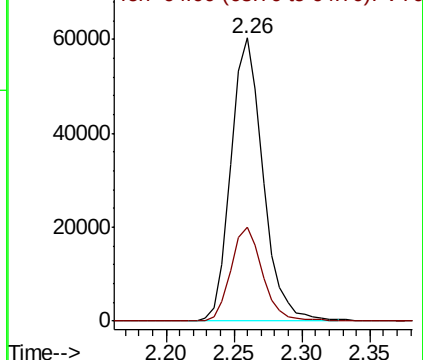
62 100

64 33.2 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 23.333 ug/L

RT: 2.66 min Scan# 138

Delta R.T. -0.00 min

Lab File: VY003822.D

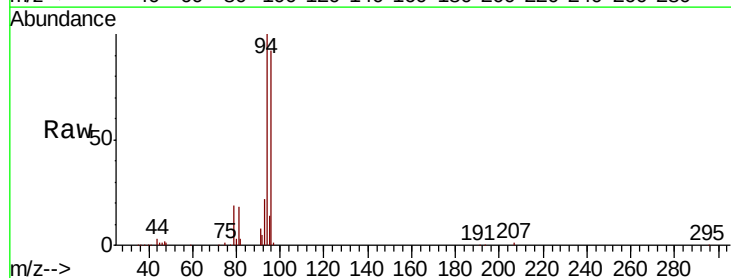
Acq: 18 Dec 2020 17:08

Tgt Ion: 94 Resp: 56894

Ion Ratio Lower Upper

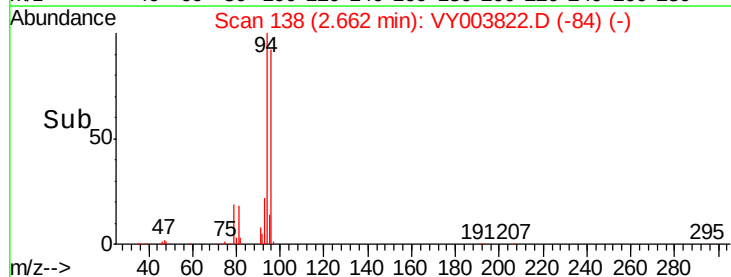
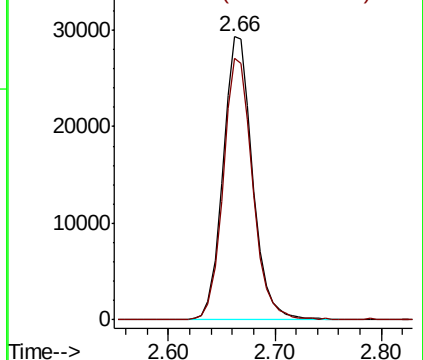
94 100

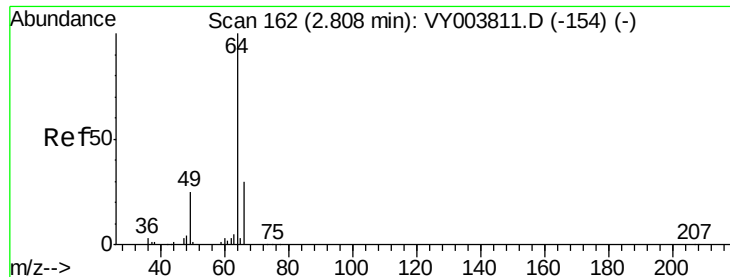
96 92.0 9.3 177.5



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

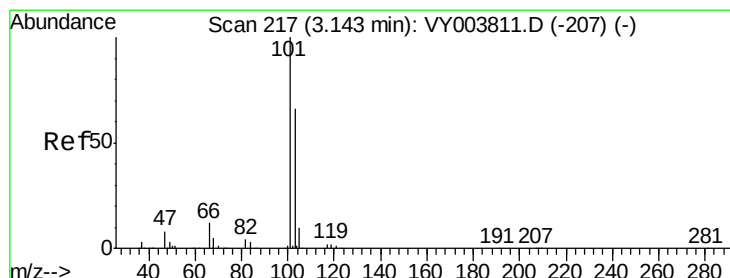
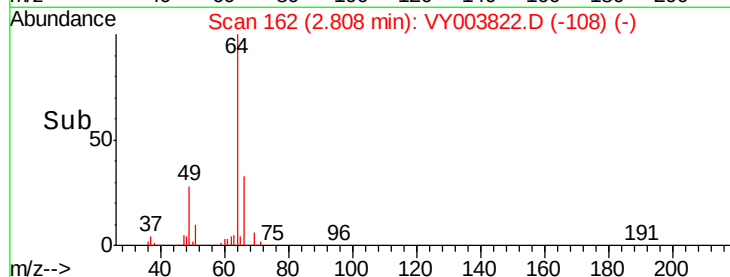
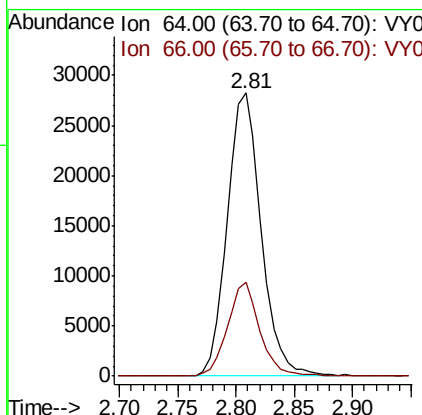
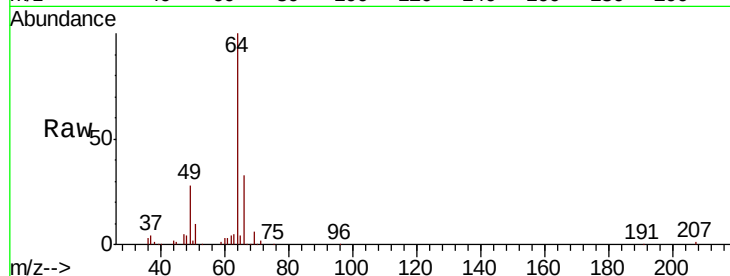




#8
Chloroethane
Concen: 24.544 ug/L
RT: 2.81 min Scan# 162
Delta R.T. -0.00 min
Lab File: VY003822.D
Acq: 18 Dec 2020 17:08

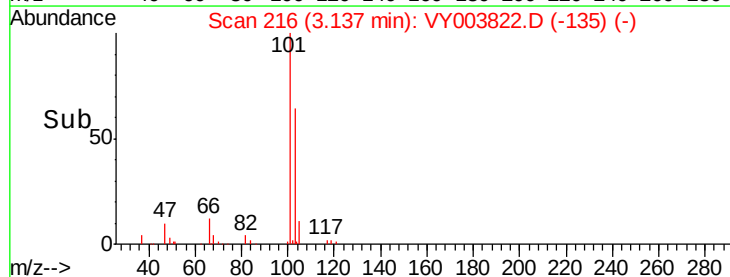
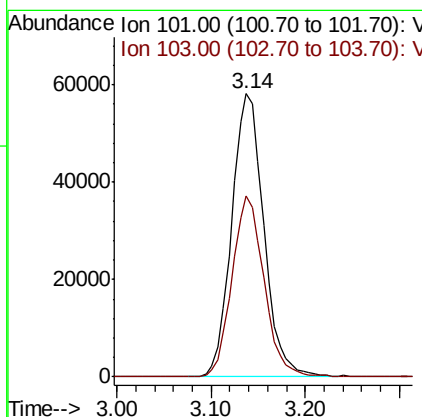
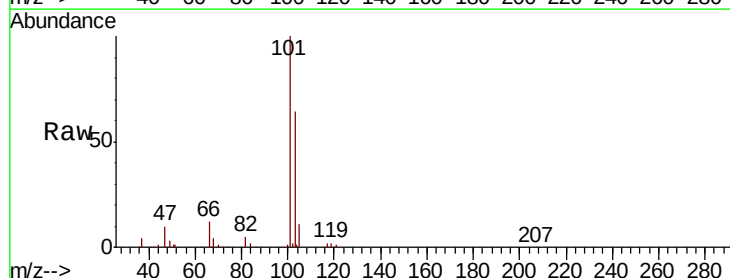
Instrument :
MSVOA_Y
ClientSampleId :

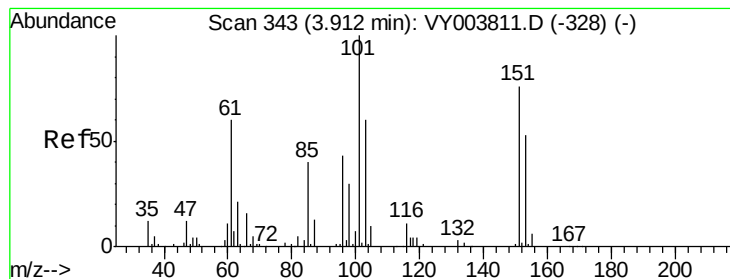
Tot Ion: 64 Resp: 57197
Ion Ratio Lower Upper
64 100
66 33.1 23.1 42.9



#9
Trichlorofluoromethane
Concen: 22.689 ug/L
RT: 3.14 min Scan# 216
Delta R.T. -0.01 min
Lab File: VY003822.D
Acq: 18 Dec 2020 17:08

Tgt Ion: 101 Resp: 138246
Ion Ratio Lower Upper
101 100
103 63.8 45.3 84.1





#11

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

Concen: 22.867 ug/L

RT: 3.91 min Scan# 343

Delta R.T. -0.00 min

Lab File: VY003822.D

Acq: 18 Dec 2020 17:08

Instrument :

MSVOA_Y

ClientSampleId :

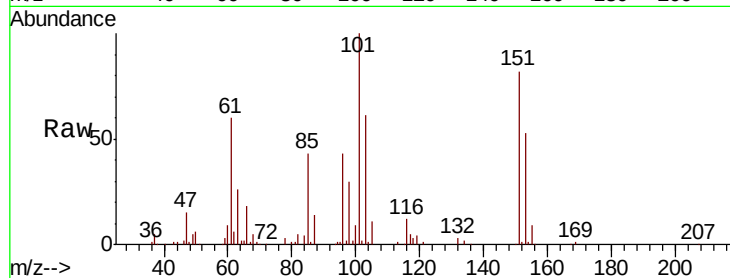
Tot Ion:101 Resp: 84664

Ion Ratio Lower Upper

101 100

85 42.6 33.8 50.6

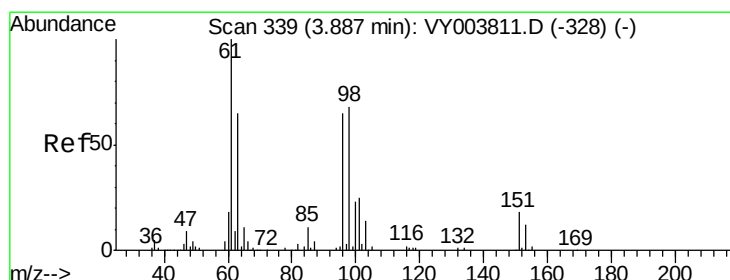
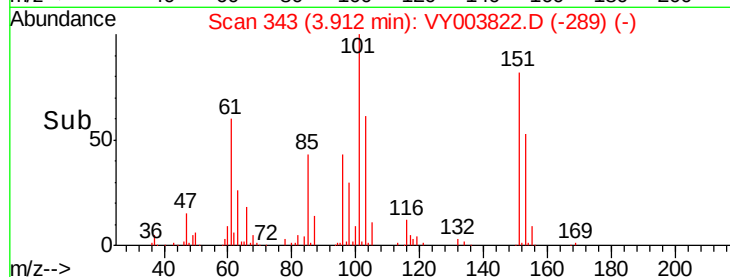
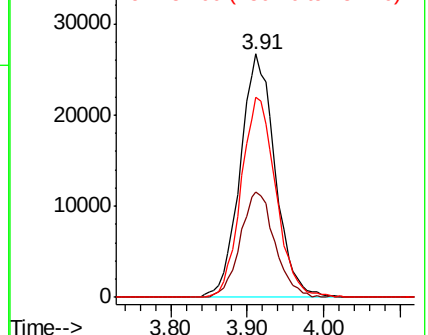
151 81.8 62.1 93.1



Abundance Ion 101.00 (100.70 to 101.70): VY003822.D (-289) (-)

Ion 85.00 (84.70 to 85.70): VY003822.D (-289) (-)

Ion 151.00 (150.70 to 151.70): VY003822.D (-289) (-)



#12

1,1-Dichloroethene

Concen: 23.685 ug/L

RT: 3.89 min Scan# 339

Delta R.T. -0.00 min

Lab File: VY003822.D

Acq: 18 Dec 2020 17:08

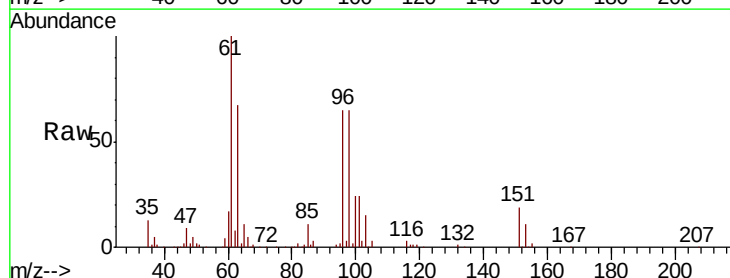
Tgt Ion: 96 Resp: 83359

Ion Ratio Lower Upper

96 100

61 154.6 117.3 217.9

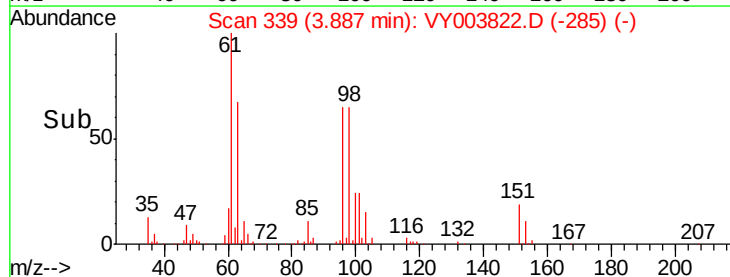
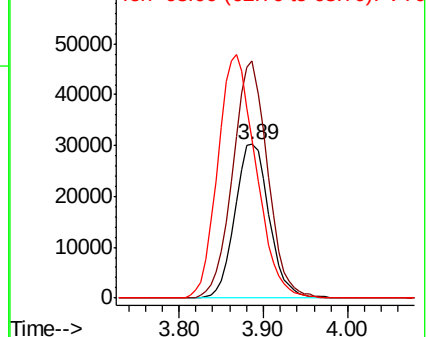
63 103.7 99.5 184.7

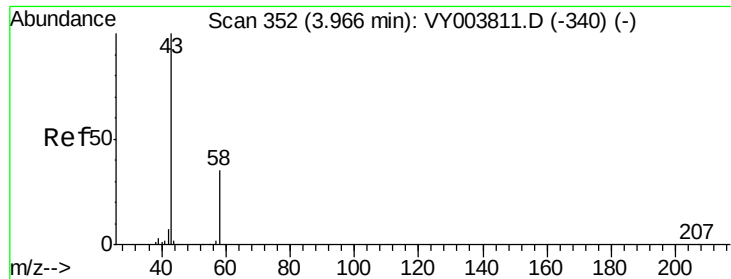


Abundance Ion 96.00 (95.70 to 96.70): VY003822.D (-285) (-)

Ion 61.00 (60.70 to 61.70): VY003822.D (-285) (-)

Ion 63.00 (62.70 to 63.70): VY003822.D (-285) (-)





#13

Acetone

Concen: 27.665 ug/L

RT: 3.97 min Scan# 352

Delta R.T. -0.00 min

Lab File: VY003822.D

Acq: 18 Dec 2020 17:08

Instrument :

MSVOA_Y

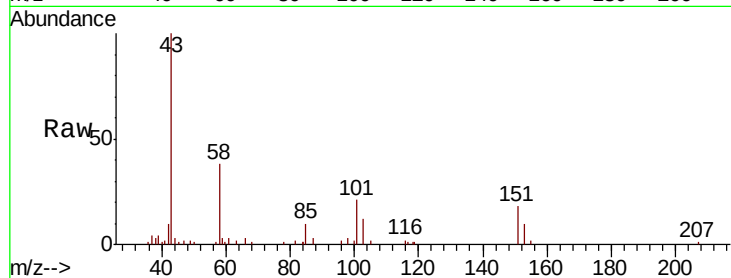
ClientSampled :

Tot Ion: 43 Resp: 28887

Ion Ratio Lower Upper

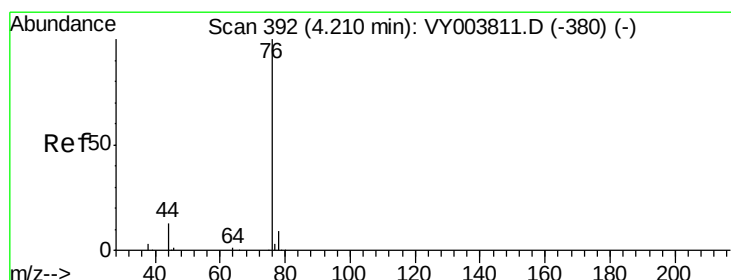
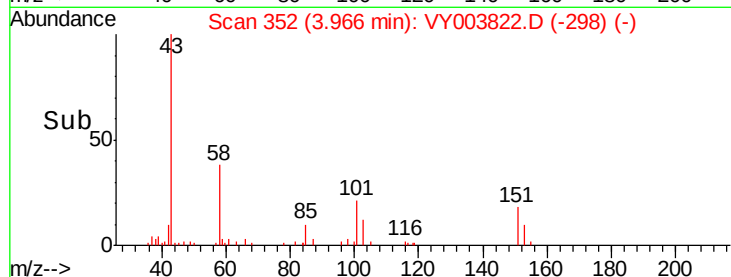
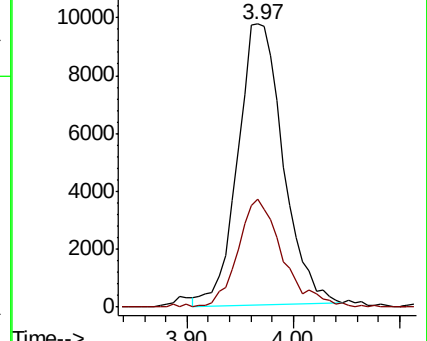
43 100

58 35.6 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 23.254 ug/L

RT: 4.21 min Scan# 392

Delta R.T. -0.00 min

Lab File: VY003822.D

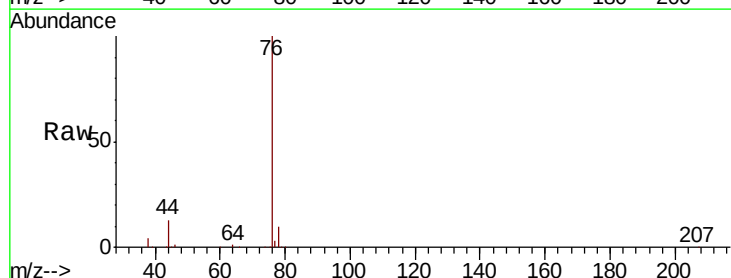
Acq: 18 Dec 2020 17:08

Tgt Ion: 76 Resp: 287981

Ion Ratio Lower Upper

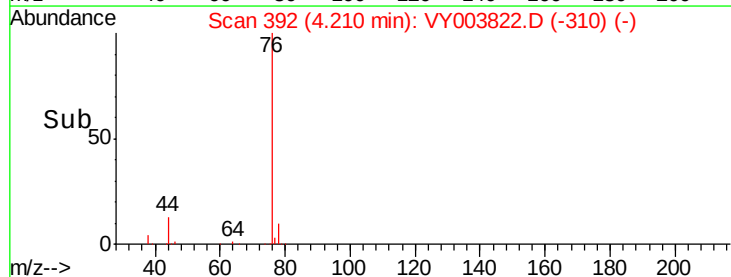
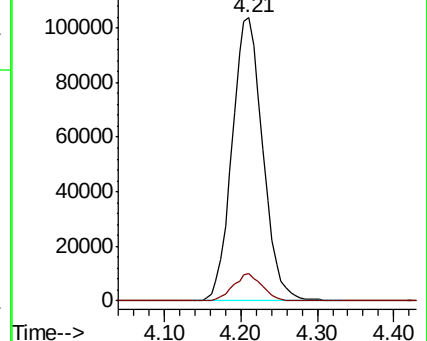
76 100

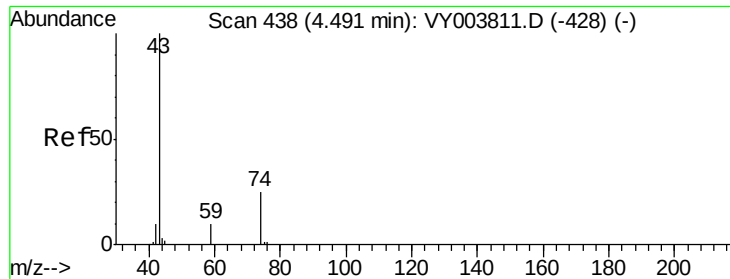
78 9.6 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

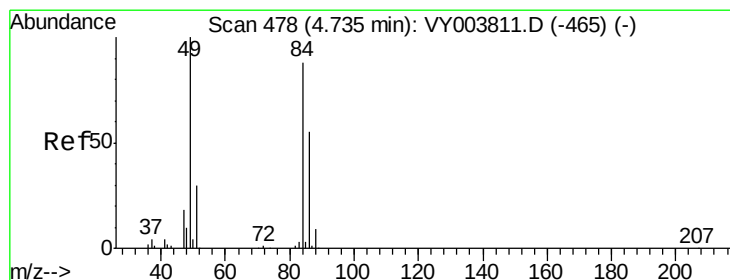
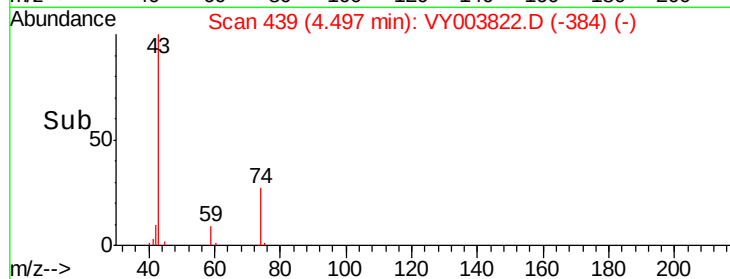
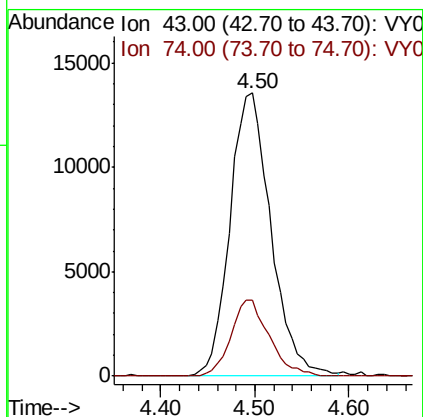
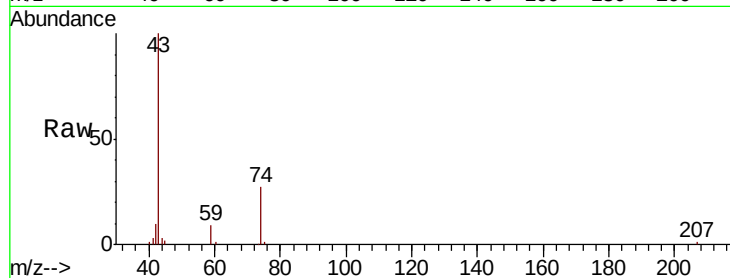




#15
Methyl Acetate
Concen: 15.154 ug/L
RT: 4.50 min Scan# 439
Delta R.T. 0.01 min
Lab File: VY003822.D
Acq: 18 Dec 2020 17:08

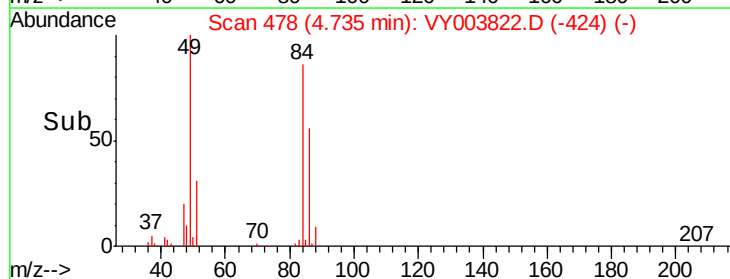
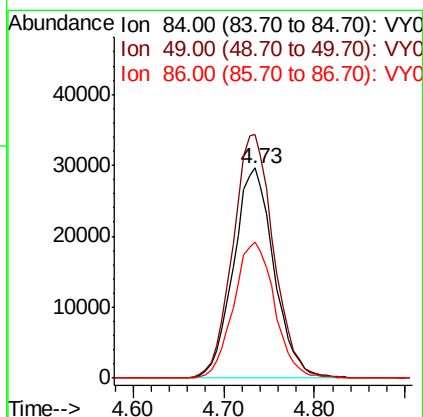
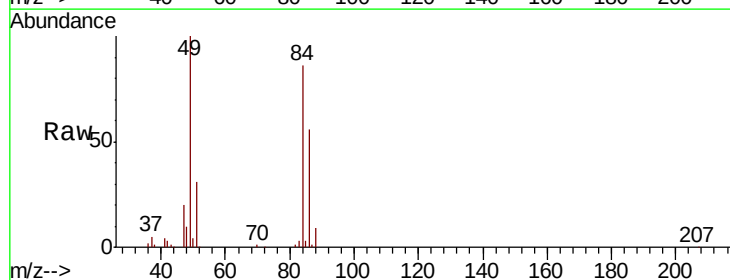
Instrument :
MSVOA_Y
ClientSampleId :

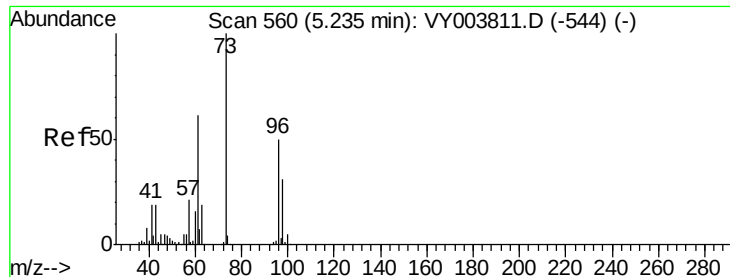
Tot Ion: 43 Resp: 41213
Ion Ratio Lower Upper
43 100
74 25.2 17.7 26.5



#16
Methylene chloride
Concen: 20.011 ug/L
RT: 4.73 min Scan# 478
Delta R.T. -0.00 min
Lab File: VY003822.D
Acq: 18 Dec 2020 17:08

Tgt Ion: 84 Resp: 91482
Ion Ratio Lower Upper
84 100
49 116.0 88.2 163.8
86 64.8 43.0 79.8

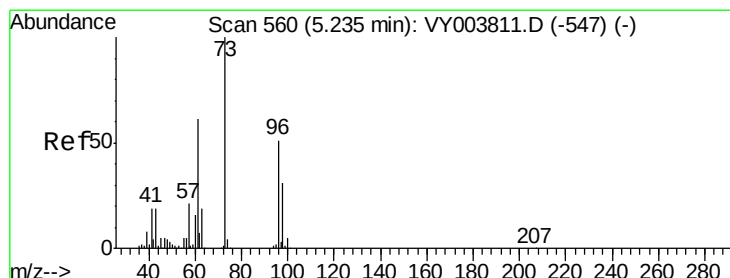
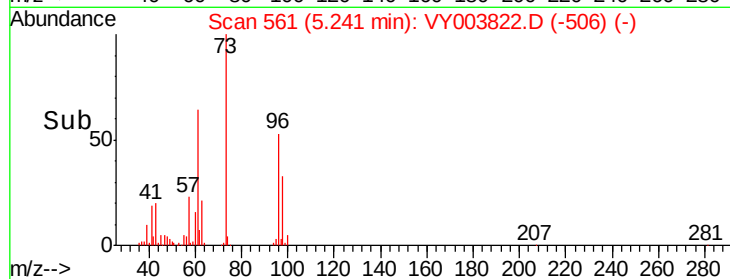
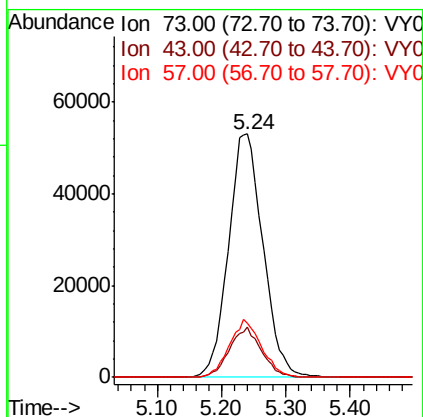
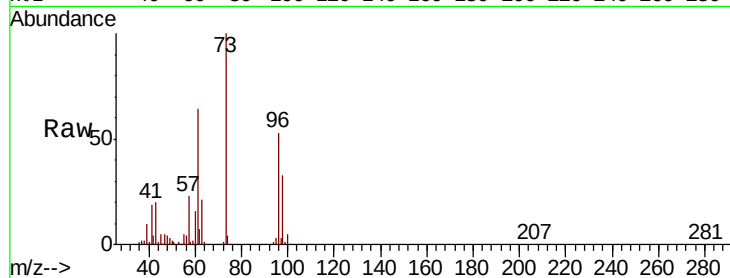




#17
Methvl tert-butvl Ether
Concen: 20.066 ug/L
RT: 5.24 min Scan# 561
Delta R.T. 0.01 min
Lab File: VY003822.D
Acq: 18 Dec 2020 17:08

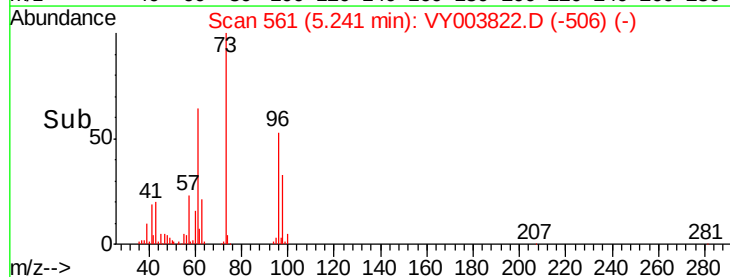
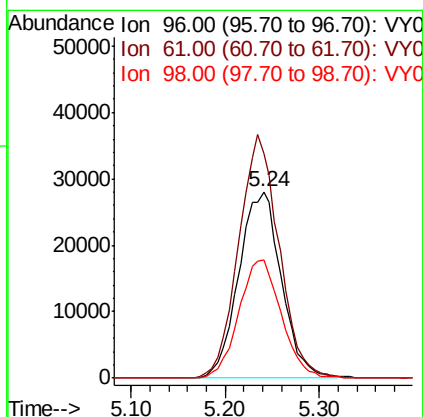
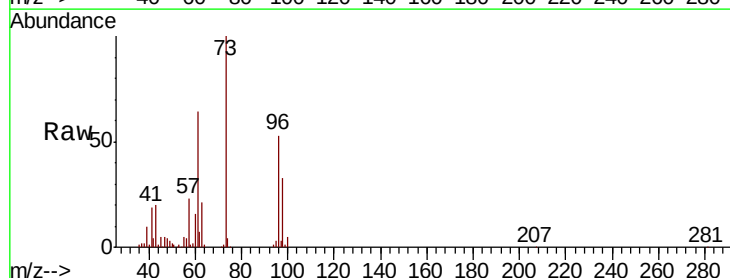
Instrument :
MSVOA_Y
ClientSampleId :

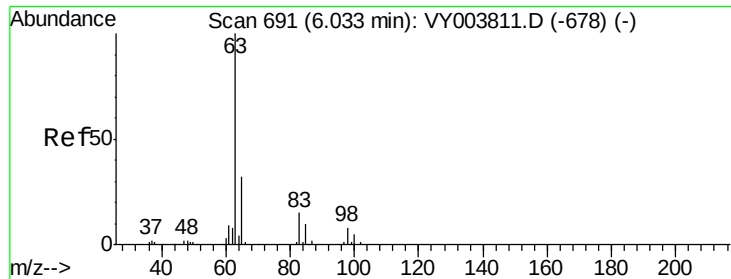
Tot Ion: 73 Resp: 198153
Ion Ratio Lower Upper
73 100
43 19.1 15.5 23.3
57 22.1 18.6 27.8



#18
trans-1,2-Dichloroethene
Concen: 23.208 ug/L
RT: 5.24 min Scan# 561
Delta R.T. 0.01 min
Lab File: VY003822.D
Acq: 18 Dec 2020 17:08

Tgt Ion: 96 Resp: 88482
Ion Ratio Lower Upper
96 100
61 120.7 93.9 174.5
98 63.3 43.5 80.7

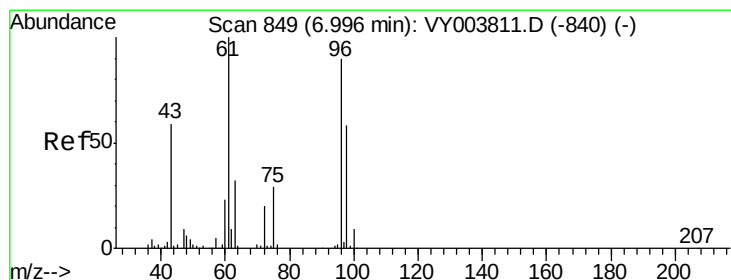
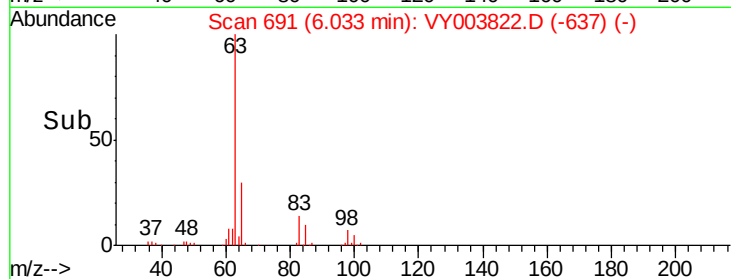
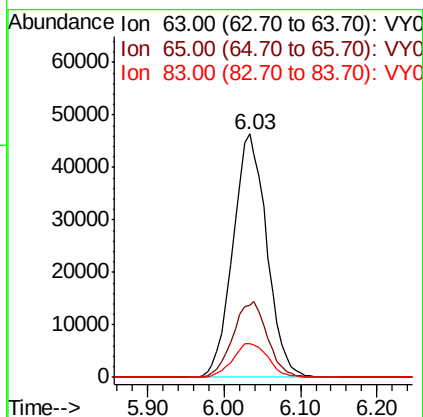
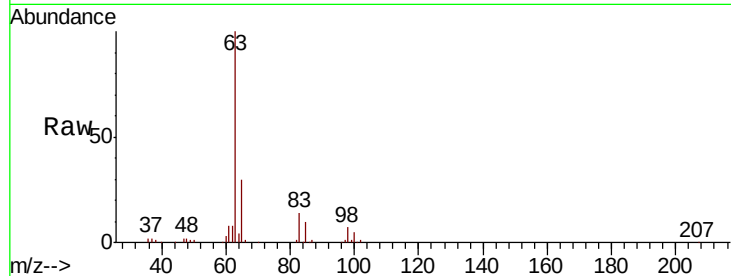




#19
 1,1-Dichloroethane
 Concen: 21.583 ug/L
 RT: 6.03 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VY003822.D
 Acq: 18 Dec 2020 17:08

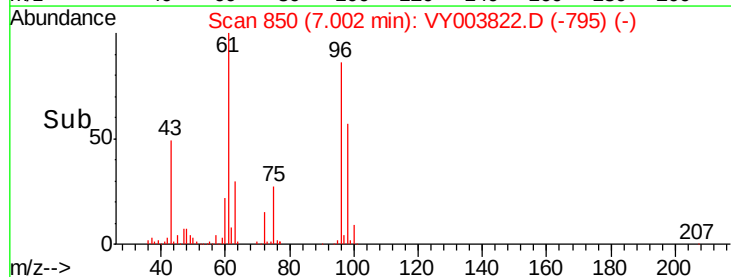
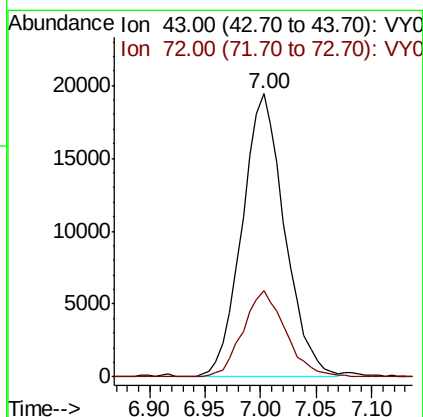
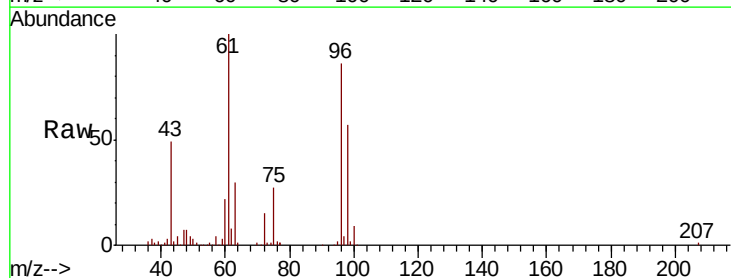
Instrument :
 MSVOA_Y
 ClientSampled :

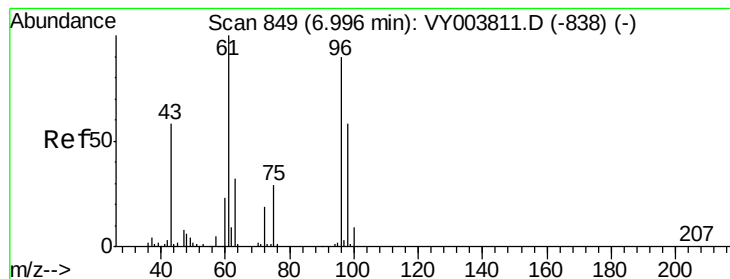
Tot Ion	Ratio	Lower	Upper
63	100		
65	29.7	22.3	41.3
83	13.7	9.4	17.6



#21
 2-Butanone
 Concen: 28.574 ug/L
 RT: 7.00 min Scan# 850
 Delta R.T. 0.01 min
 Lab File: VY003822.D
 Acq: 18 Dec 2020 17:08

Tgt Ion	Ratio	Lower	Upper
43	100		
72	30.4	13.0	39.0





#22

cis-1,2-Dichloroethene

Concen: 23.105 ug/L

RT: 7.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VY003822.D

Acq: 18 Dec 2020 17:08

Instrument :

MSVOA_Y

ClientSampled :

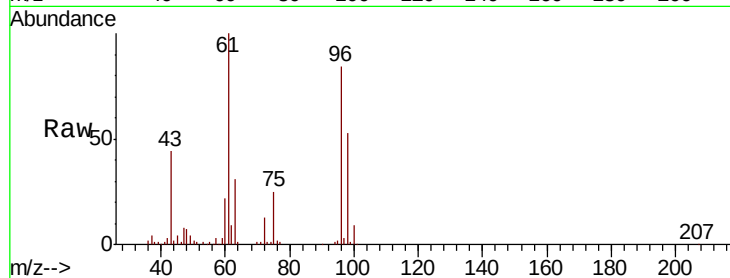
Tot Ion: 96 Resp: 93414

Ion Ratio Lower Upper

96 100

61 118.9 88.0 163.4

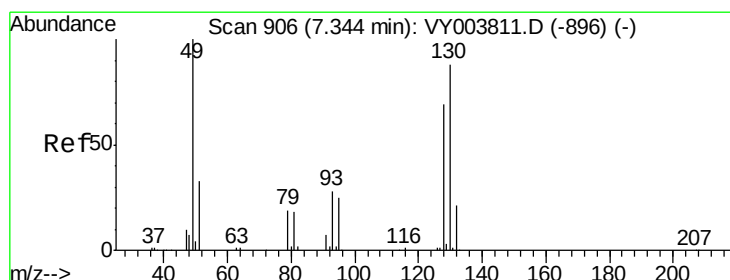
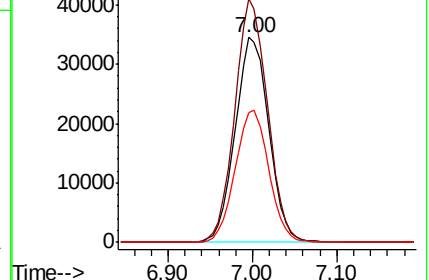
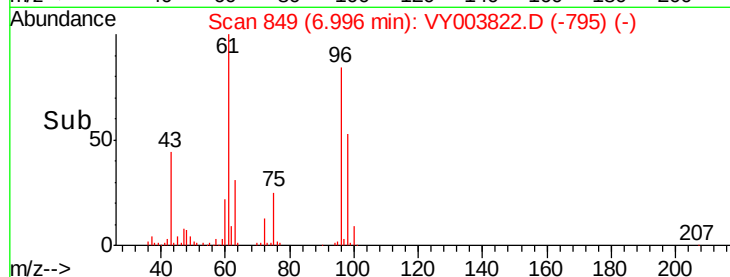
98 63.3 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VY003822.D (-795) (-)

Ion 61.00 (60.70 to 61.70): VY003822.D (-795) (-)

Ion 98.00 (97.70 to 98.70): VY003822.D (-795) (-)



#23

Bromochloromethane

Concen: 22.525 ug/L

RT: 7.35 min Scan# 907

Delta R.T. 0.01 min

Lab File: VY003822.D

Acq: 18 Dec 2020 17:08

Tgt Ion: 128 Resp: 43777

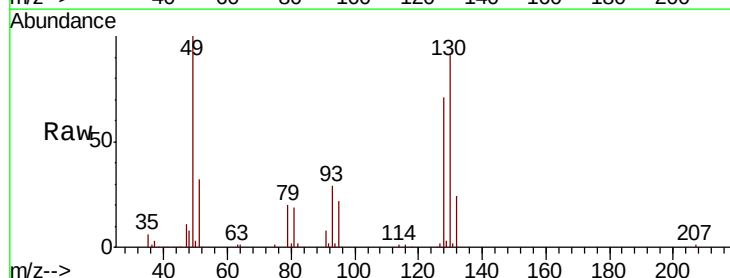
Ion Ratio Lower Upper

128 100

49 140.6 115.1 213.8

130 127.7 88.9 165.1

51 45.6 41.6 62.4

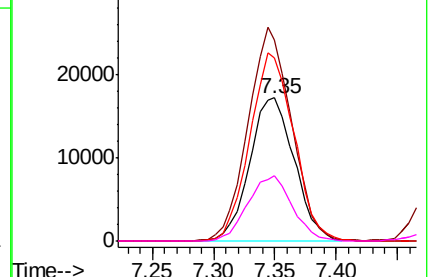
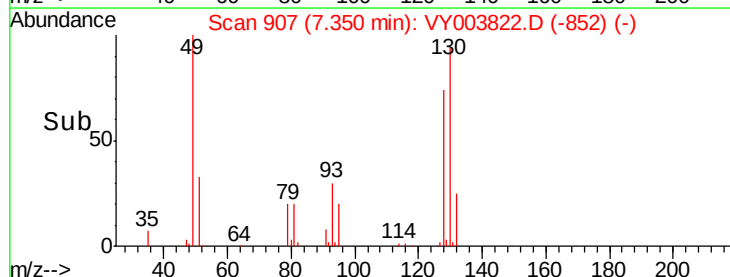


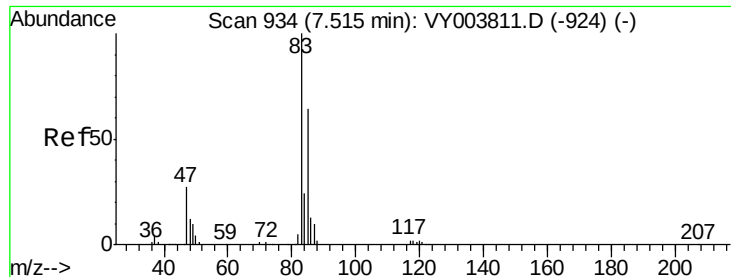
Abundance Ion 128.00 (127.70 to 128.70): VY003822.D (-852) (-)

Ion 49.00 (48.70 to 49.70): VY003822.D (-852) (-)

Ion 130.00 (129.70 to 130.70): VY003822.D (-852) (-)

Ion 51.00 (50.70 to 51.70): VY003822.D (-852) (-)

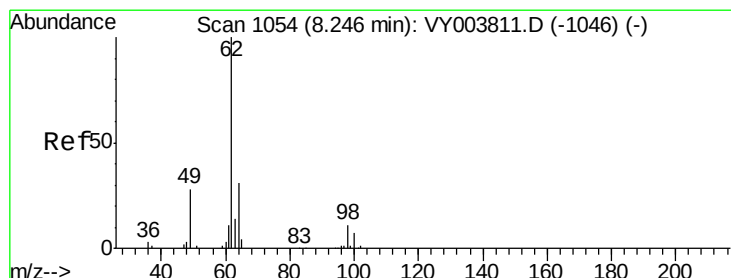
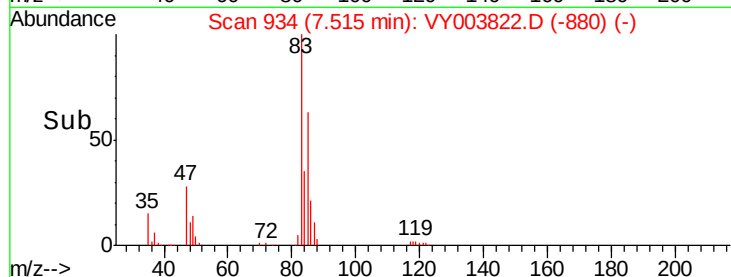
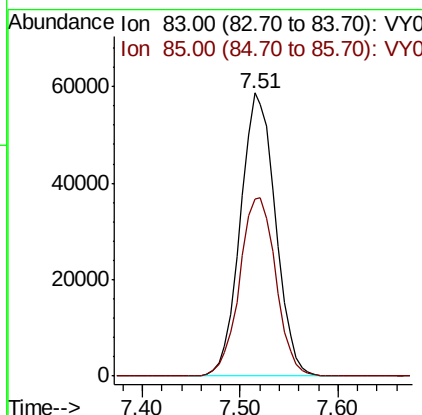
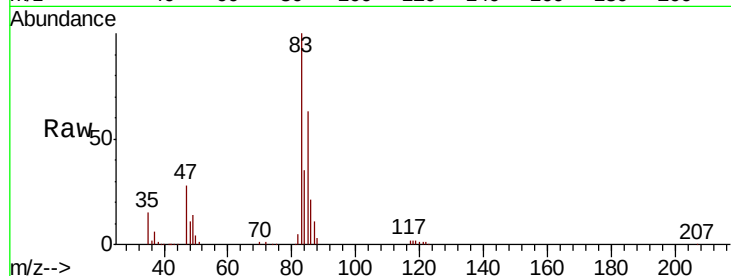




#25
Chloroform
Concen: 22.470 ug/L
RT: 7.51 min Scan# 934
Delta R.T. -0.00 min
Lab File: VY003822.D
Acq: 18 Dec 2020 17:08

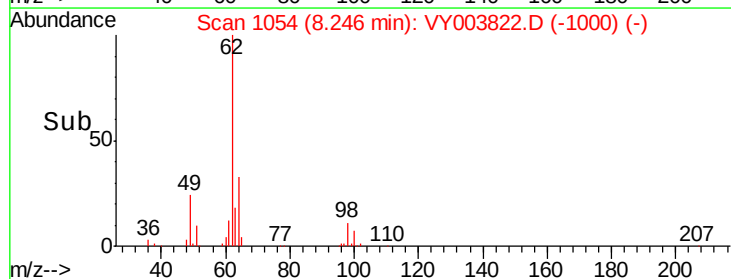
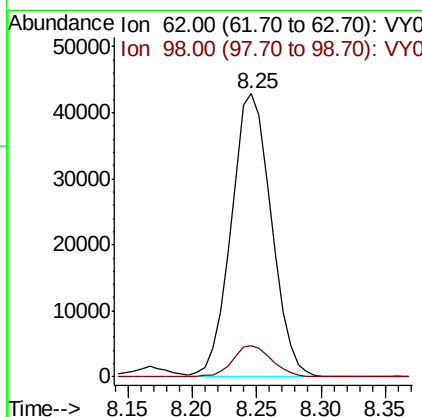
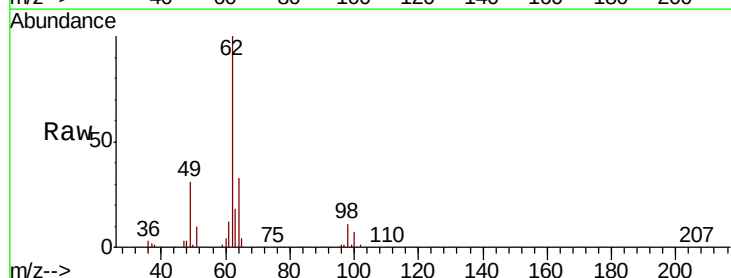
Instrument :
MSVOA_Y
ClientSampleId :

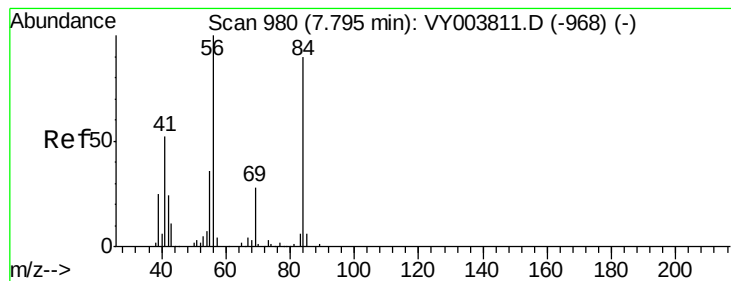
Tot Ion: 83 Resp: 145702
Ion Ratio Lower Upper
83 100
85 65.4 46.5 86.3



#27
1,2-Dichloroethane
Concen: 20.651 ug/L
RT: 8.25 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY003822.D
Acq: 18 Dec 2020 17:08

Tgt Ion: 62 Resp: 92802
Ion Ratio Lower Upper
62 100
98 11.2 8.3 12.5





#30

Cyclohexane

Concen: 21.796 ug/L

RT: 7.79 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY003822.D

Acq: 18 Dec 2020 17:08

Instrument :

MSVOA_Y

ClientSampleId :

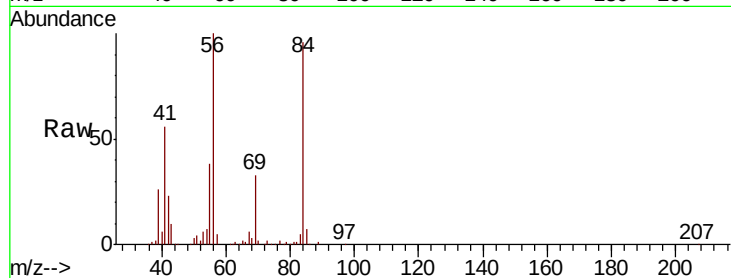
Tot Ion: 56 Resp: 140177

Ion Ratio Lower Upper

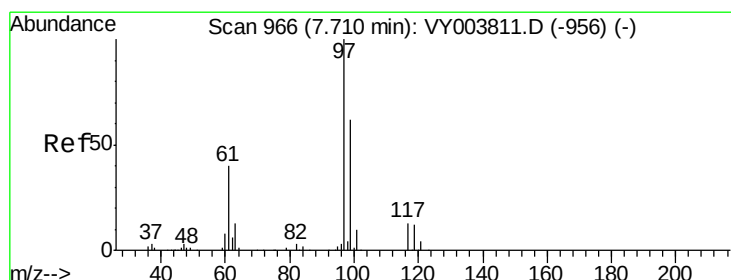
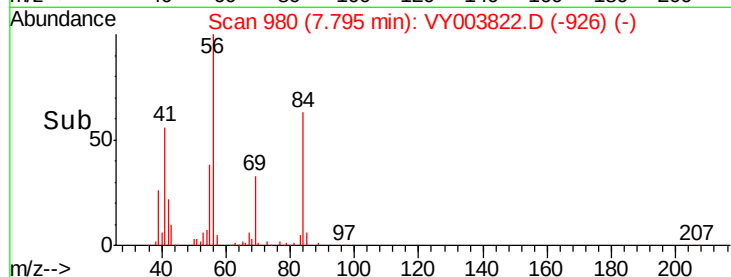
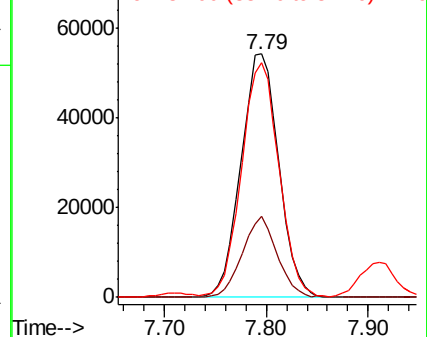
56 100

69 30.6 23.4 35.0

84 95.2 68.6 103.0



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



#31

1,1,1-Trichloroethane

Concen: 23.274 ug/L

RT: 7.71 min Scan# 966

Delta R.T. -0.00 min

Lab File: VY003822.D

Acq: 18 Dec 2020 17:08

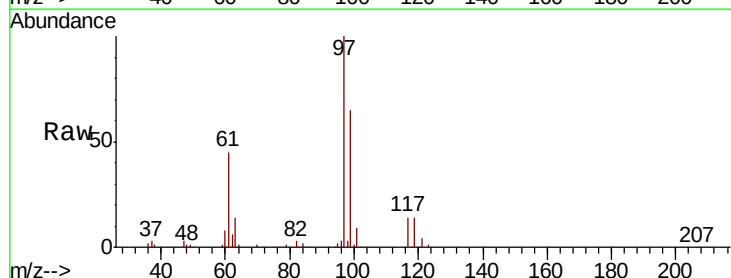
Tgt Ion: 97 Resp: 133346

Ion Ratio Lower Upper

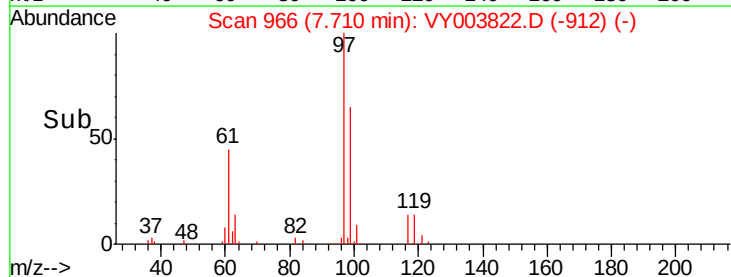
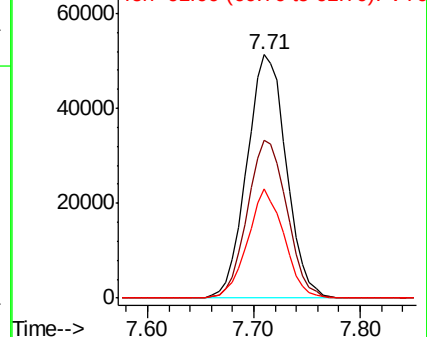
97 100

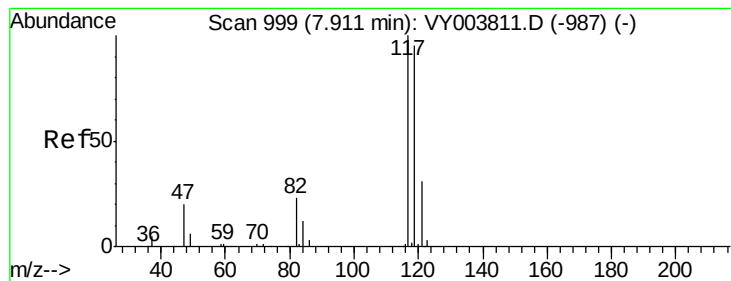
99 64.8 50.8 76.2

61 41.5 34.1 51.1



Abundance Ion 97.00 (96.70 to 97.70): VY0
Ion 99.00 (98.70 to 99.70): VY0
Ion 61.00 (60.70 to 61.70): VY0





#32

Carbon tetrachloride

Concen: 24.606 ug/L

RT: 7.91 min Scan# 999

Delta R.T. -0.00 min

Lab File: VY003822.D

Acq: 18 Dec 2020 17:08

Instrument :

MSVOA_Y

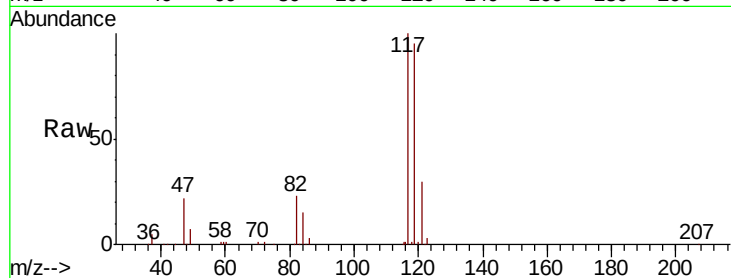
ClientSampleId :

Tot Ion:117 Resp: 124484

Ion Ratio Lower Upper

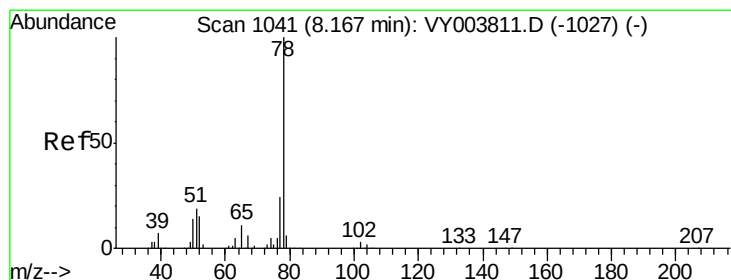
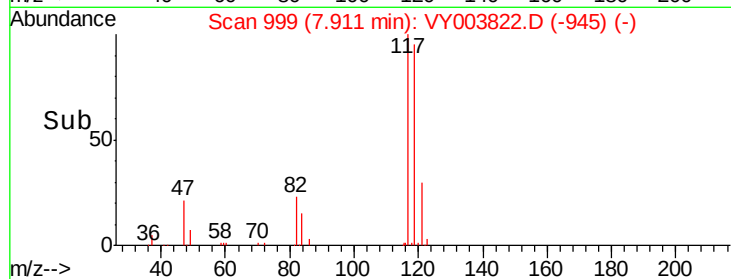
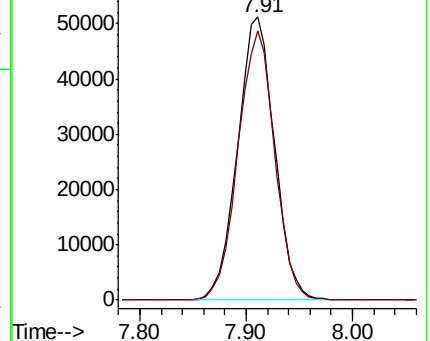
117 100

119 94.7 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.808 ug/L

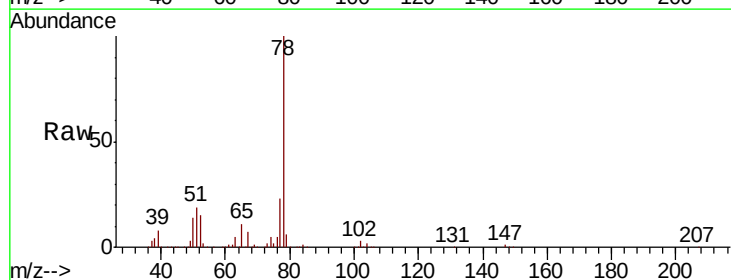
RT: 8.17 min Scan# 1041

Delta R.T. -0.00 min

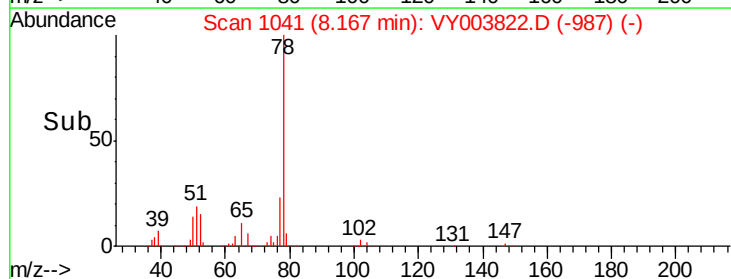
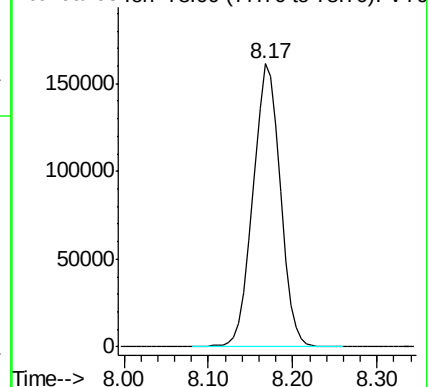
Lab File: VY003822.D

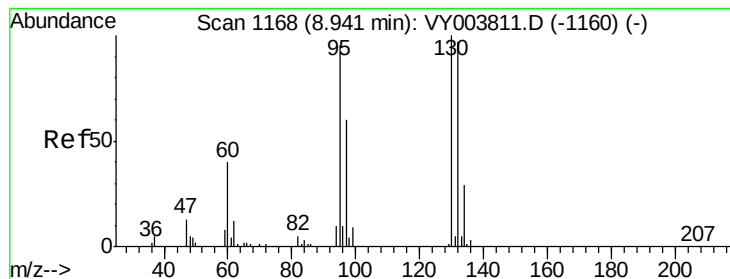
Acq: 18 Dec 2020 17:08

Tgt Ion: 78 Resp: 354909



Abundance Ion 78.00 (77.70 to 78.70): VY0





#35

Trichloroethene

Concen: 23.036 ug/L

RT: 8.95 min Scan# 1169

Delta R.T. 0.01 min

Lab File: VY003822.D

Acq: 18 Dec 2020 17:08

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 95 Resp: 92174

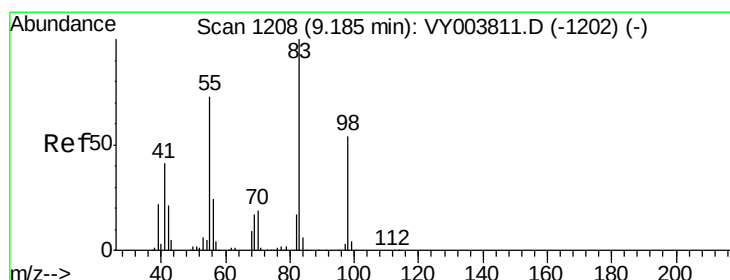
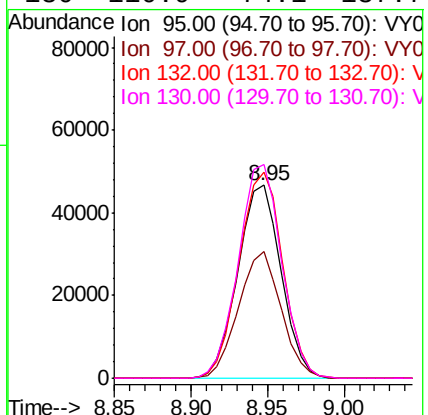
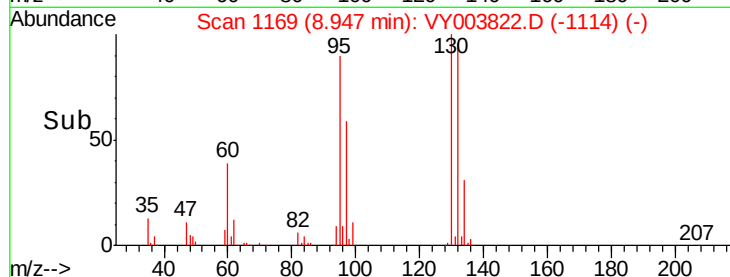
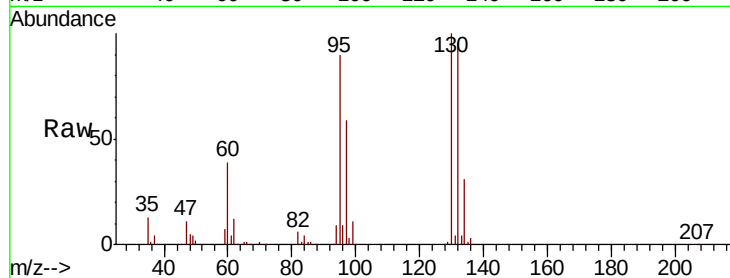
Ion Ratio Lower Upper

95 100

97 64.2 45.4 84.4

132 107.4 70.8 131.4

130 110.9 74.1 137.7



#36

Methylcyclohexane

Concen: 23.510 ug/L

RT: 9.19 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VY003822.D

Acq: 18 Dec 2020 17:08

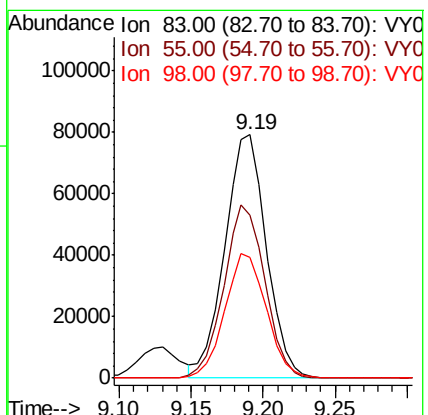
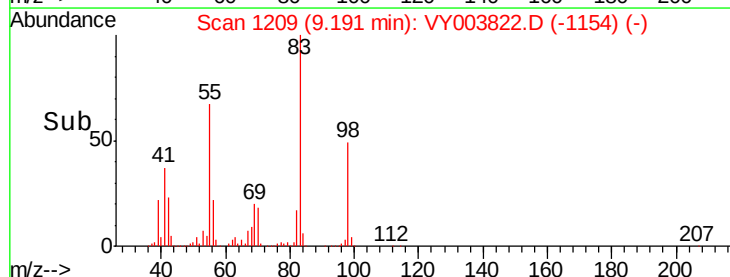
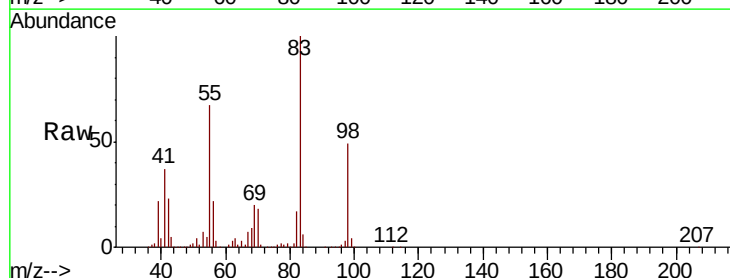
Tgt Ion: 83 Resp: 159345

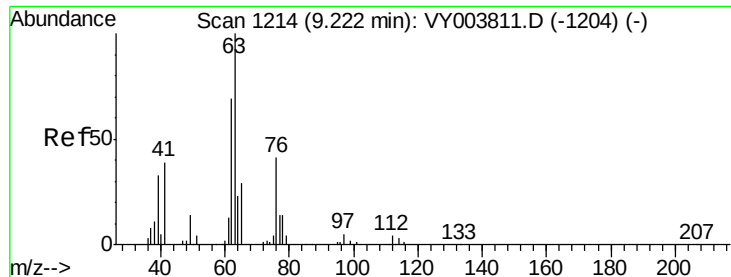
Ion Ratio Lower Upper

83 100

55 70.3 60.3 90.5

98 51.1 40.4 60.6





#40

1,2-Dichloropropane

Concen: 21.789 ug/L

RT: 9.22 min Scan# 1214

Delta R.T. -0.00 min

Lab File: VY003822.D

Acq: 18 Dec 2020 17:08

Instrument :

MSVOA_Y

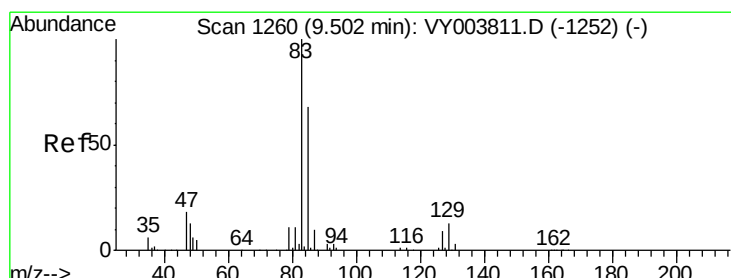
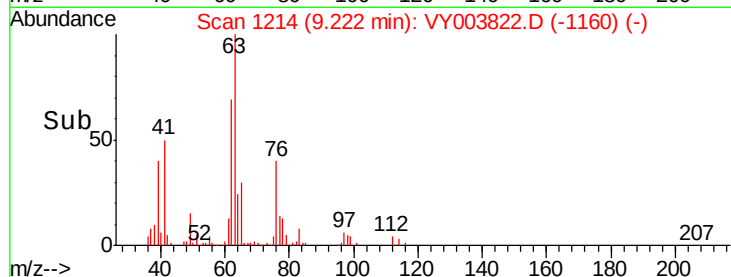
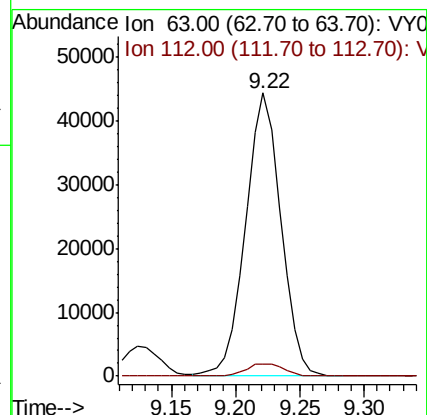
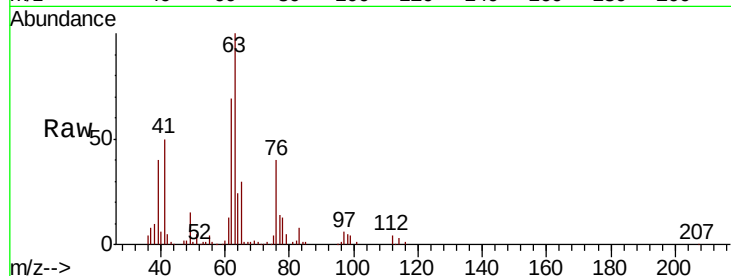
ClientSampleId :

Tot Ion: 63 Resp: 84189

Ion Ratio Lower Upper

63 100

112 4.7 3.4 5.2



#41

Bromodichloromethane

Concen: 22.134 ug/L

RT: 9.50 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VY003822.D

Acq: 18 Dec 2020 17:08

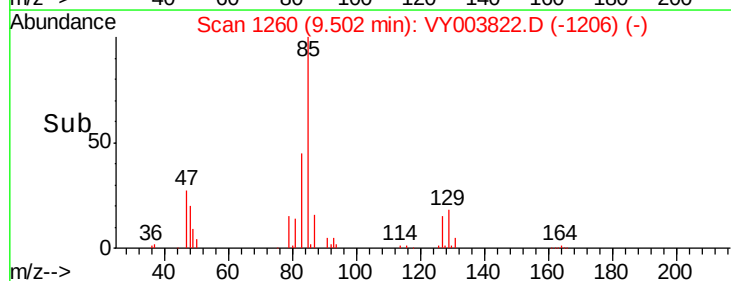
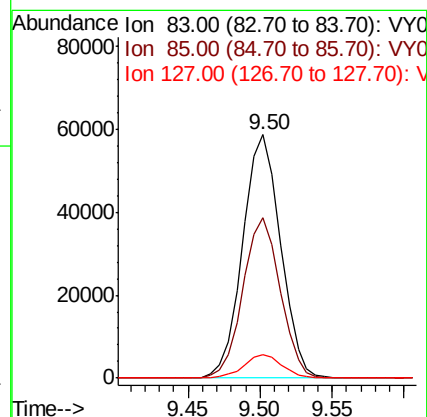
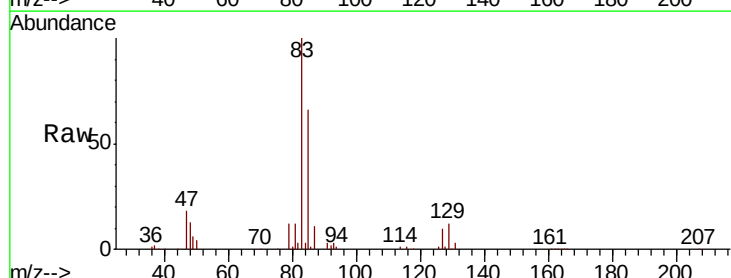
Tgt Ion: 83 Resp: 107069

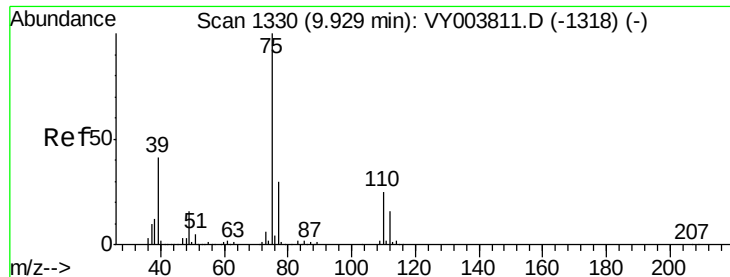
Ion Ratio Lower Upper

83 100

85 65.7 44.2 82.2

127 9.7 6.6 10.0



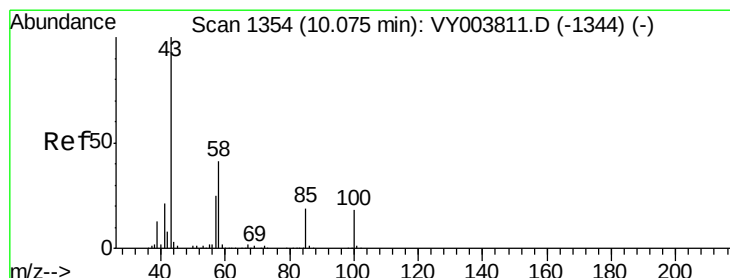
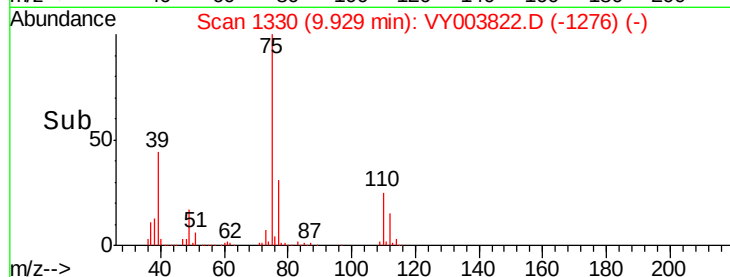
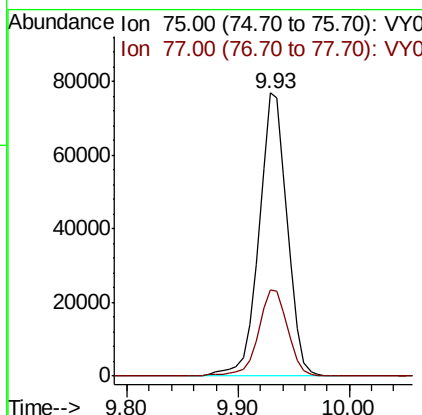
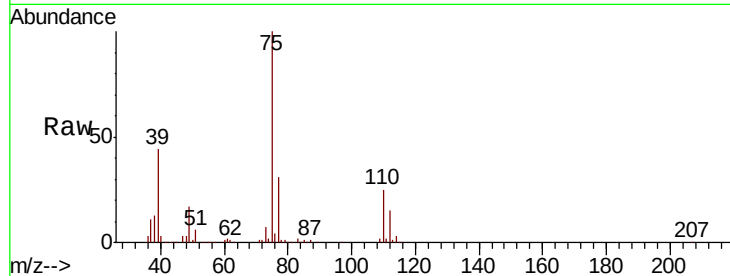


#42

cis-1,3-Dichloropropene
Concen: 22.082 ug/L
RT: 9.93 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VY003822.D
Acq: 18 Dec 2020 17:08

Instrument :
MSVOA_Y
ClientSampleId :

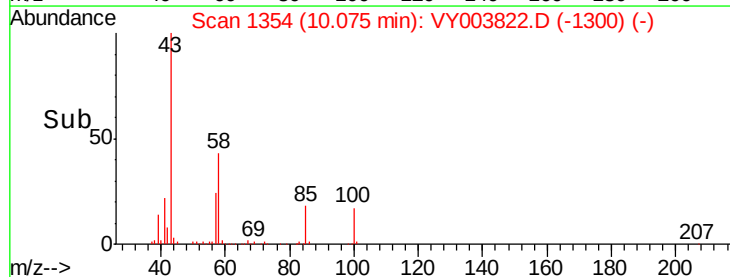
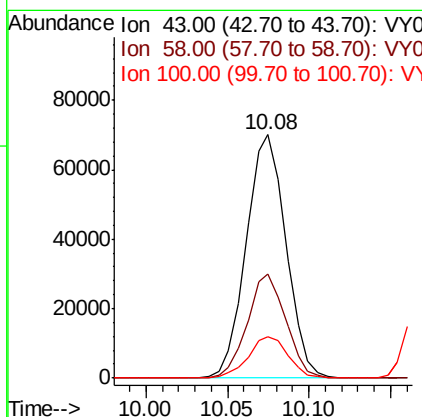
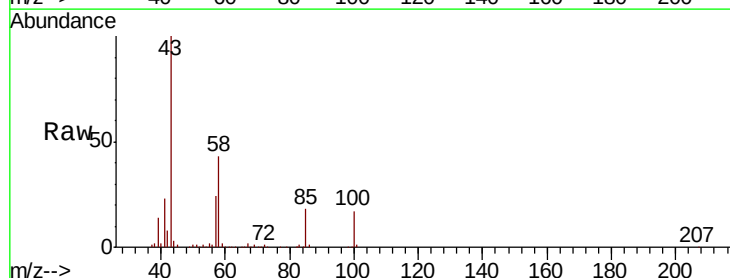
Tot Ion: 75 Resp: 135569
Ion Ratio Lower Upper
75 100
77 30.7 21.3 39.6

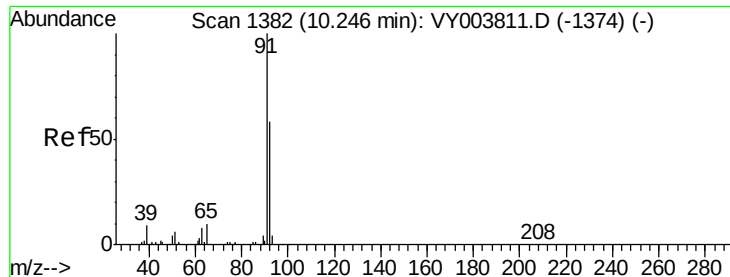


#43

4-Methyl-2-pentanone
Concen: 31.802 ug/L
RT: 10.08 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VY003822.D
Acq: 18 Dec 2020 17:08

Tgt Ion: 43 Resp: 119146
Ion Ratio Lower Upper
43 100
58 41.4 30.8 46.2
100 17.2 11.8 17.8





#44

Toluene

Concen: 24.553 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VY003822.D

Acq: 18 Dec 2020 17:08

Instrument :

MSVOA_Y

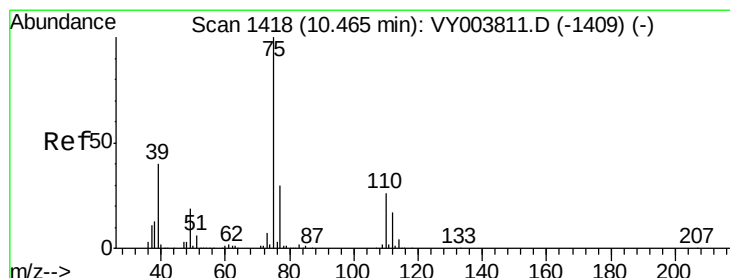
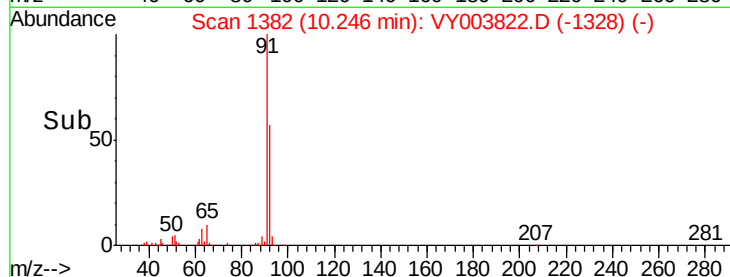
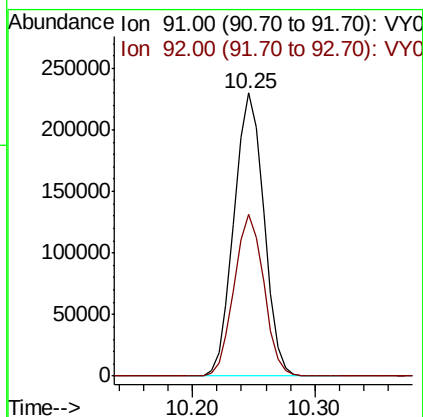
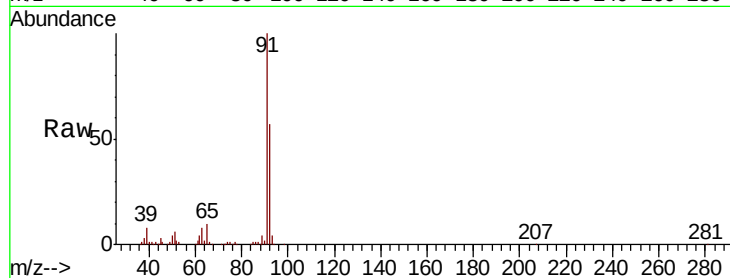
ClientSampleId :

Tot Ion: 91 Resp: 388785

Ion Ratio Lower Upper

91 100

92 57.0 39.9 74.1



#45

trans-1,3-Dichloropropene

Concen: 21.679 ug/L

RT: 10.47 min Scan# 1419

Delta R.T. 0.01 min

Lab File: VY003822.D

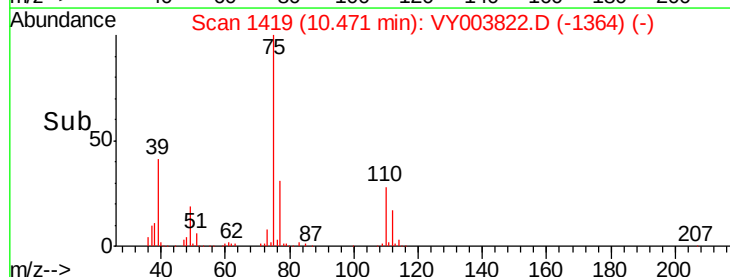
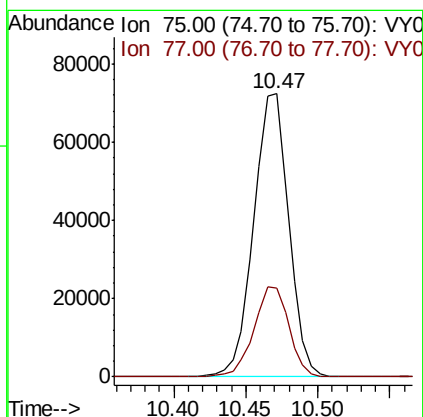
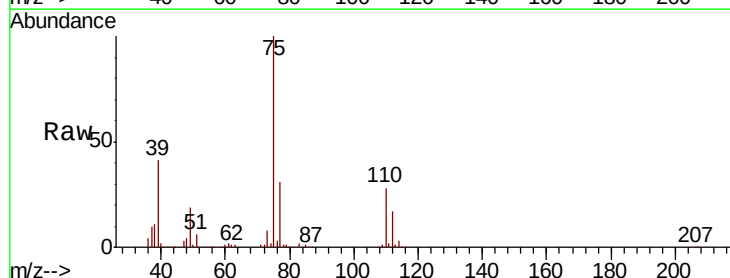
Acq: 18 Dec 2020 17:08

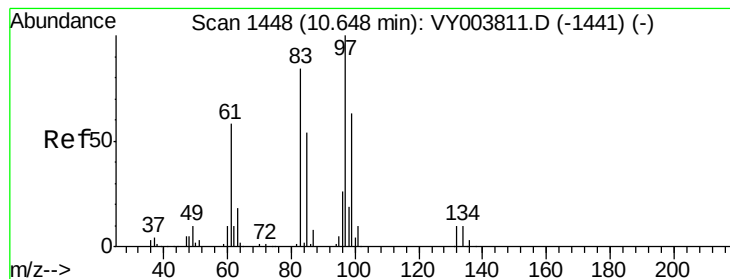
Tgt Ion: 75 Resp: 121791

Ion Ratio Lower Upper

75 100

77 31.4 22.1 41.1





#46

1,1,2-Trichloroethane

Concen: 22.117 ug/L

RT: 10.65 min Scan# 1448

Delta R.T. -0.00 min

Lab File: VY003822.D

Acq: 18 Dec 2020 17:08

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 97 Resp: 69206

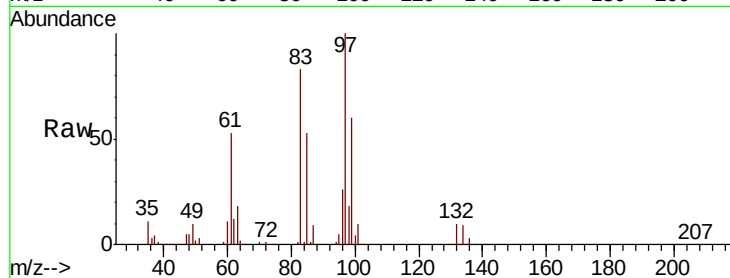
Ion Ratio Lower Upper

97 100

83 82.6 60.0 111.4

85 52.6 38.9 72.2

99 60.3 44.4 82.4

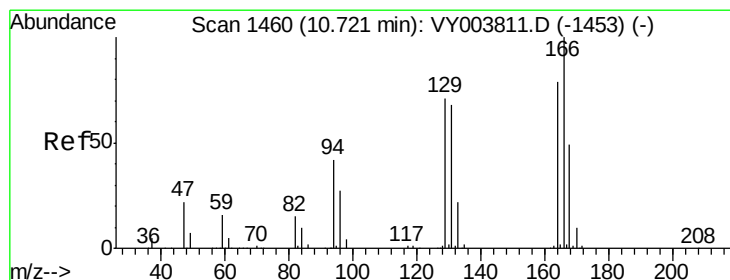
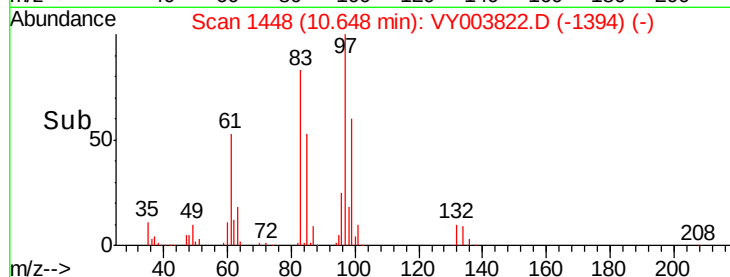
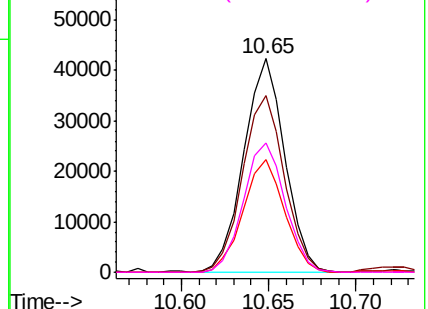


Abundance Ion 97.00 (96.70 to 97.70): VY0

Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 99.00 (98.70 to 99.70): VY0



#47

Tetrachloroethene

Concen: 24.368 ug/L

RT: 10.72 min Scan# 1460

Delta R.T. -0.00 min

Lab File: VY003822.D

Acq: 18 Dec 2020 17:08

Tgt Ion:164 Resp: 77528

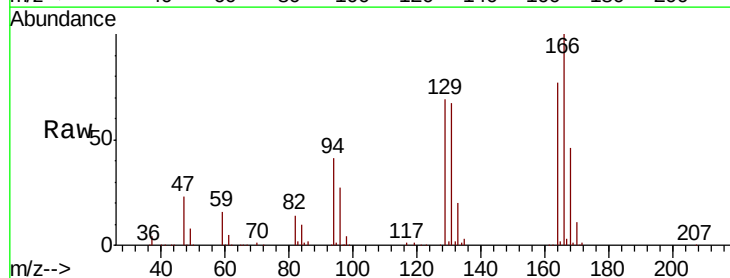
Ion Ratio Lower Upper

164 100

129 89.6 61.3 113.9

131 87.7 60.4 112.2

166 130.2 87.8 163.0

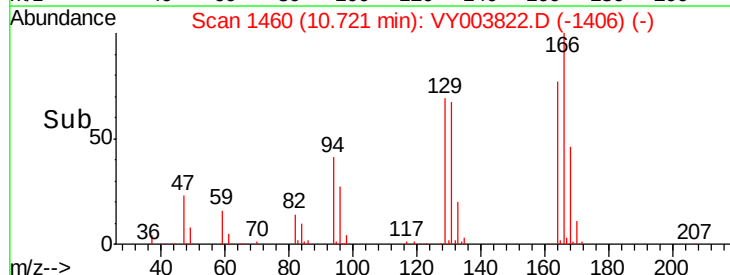
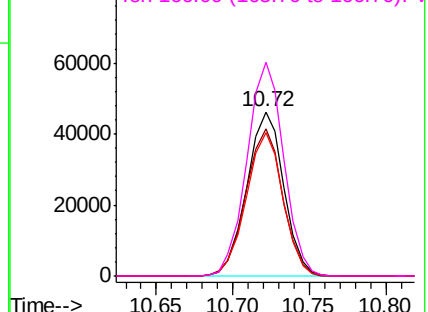


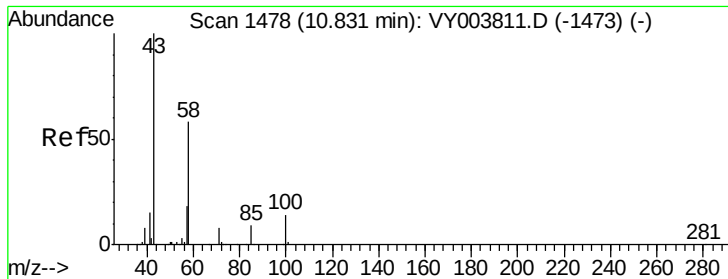
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

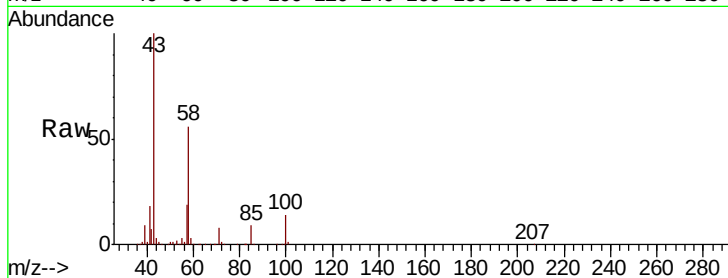




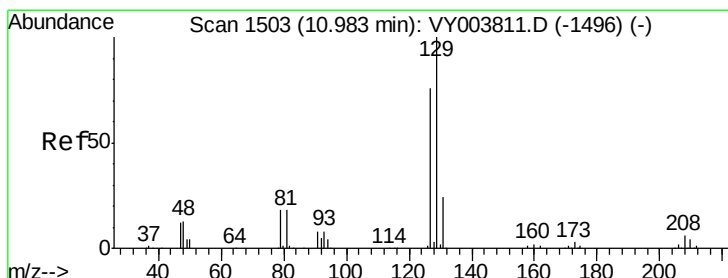
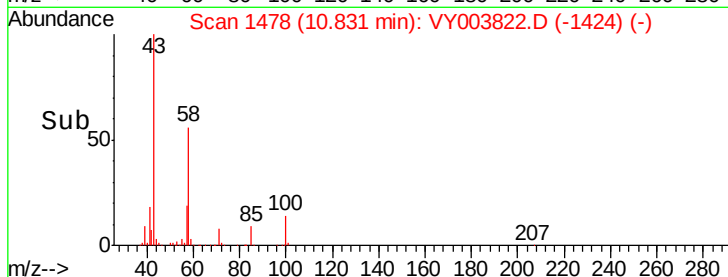
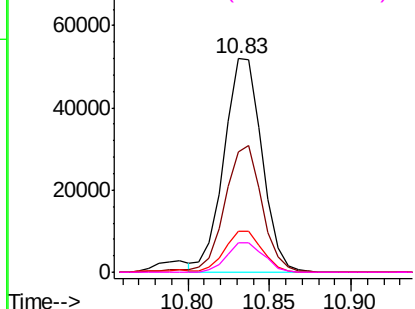
#49
2-Hexanone
Concen: 32.873 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VY003822.D
Acq: 18 Dec 2020 17:08

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	43	Resp:	84516
Ion	Ratio	Lower	Upper
43	100		
58	57.4	43.0	64.4
57	18.6	14.1	21.1
100	13.5	9.2	13.8

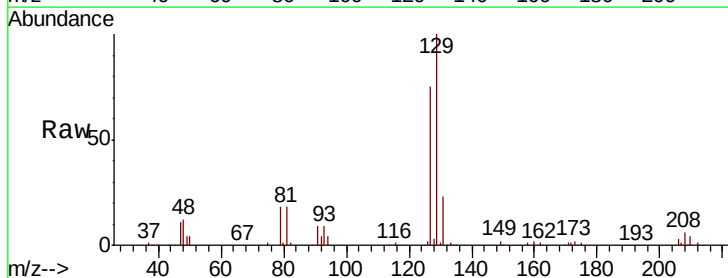


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0
Ion 57.00 (56.70 to 57.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

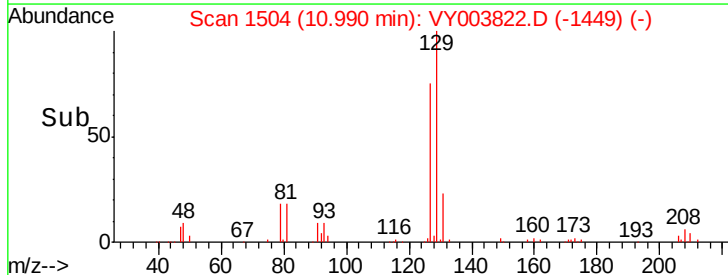
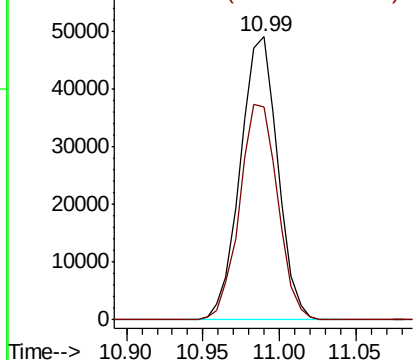


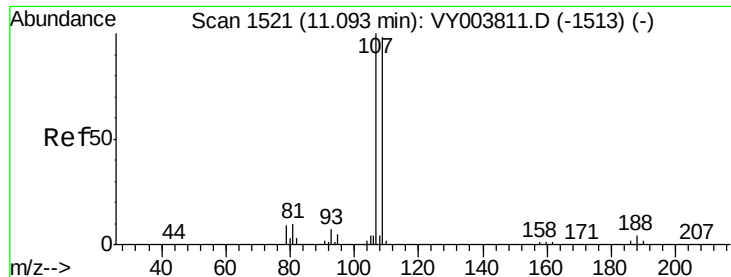
#50
Dibromochloromethane
Concen: 22.805 ug/L
RT: 10.99 min Scan# 1504
Delta R.T. 0.01 min
Lab File: VY003822.D
Acq: 18 Dec 2020 17:08

Tgt Ion:	129	Resp:	83594
Ion	Ratio	Lower	Upper
129	100		
127	75.3	55.2	102.4



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 21.613 ug/L

RT: 11.09 min Scan# 1521

Delta R.T. -0.00 min

Lab File: VY003822.D

Acq: 18 Dec 2020 17:08

Instrument :

MSVOA_Y

ClientSampleId :

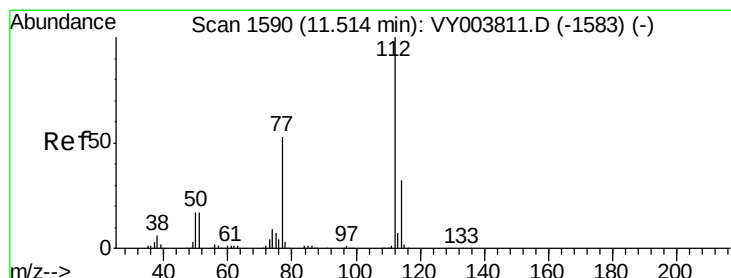
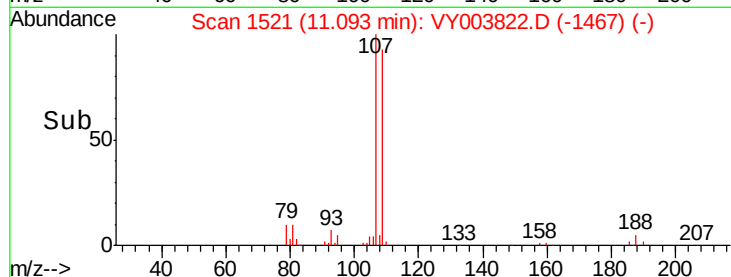
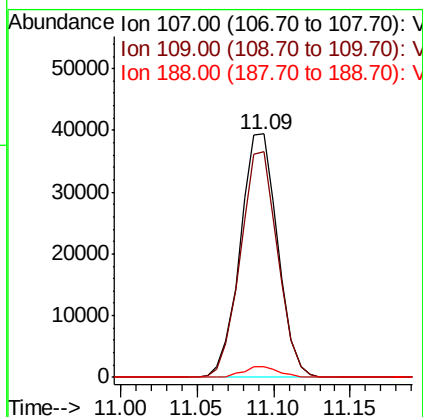
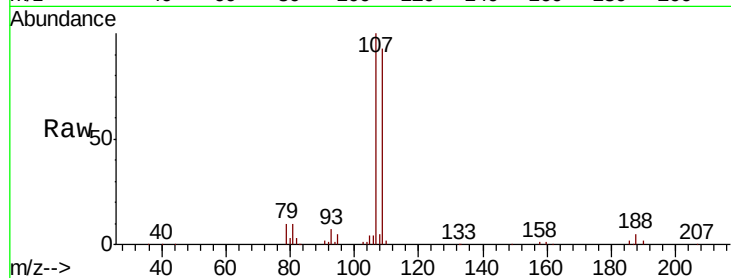
Tot Ion:107 Resp: 67002

Ion Ratio Lower Upper

107 100

109 92.7 64.6 120.0

188 4.5 2.9 4.3#



#52

Chlorobenzene

Concen: 24.302 ug/L

RT: 11.51 min Scan# 1590

Delta R.T. -0.00 min

Lab File: VY003822.D

Acq: 18 Dec 2020 17:08

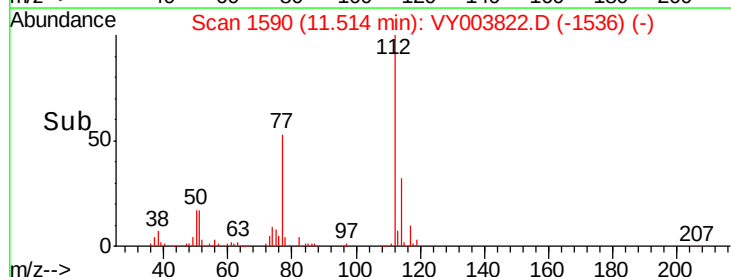
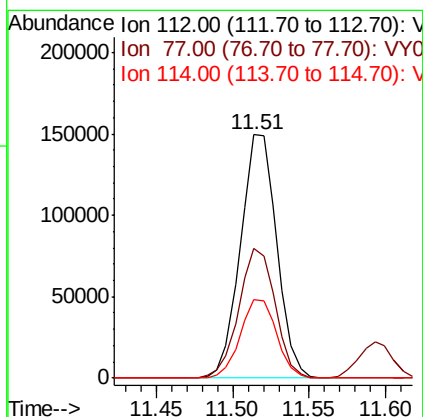
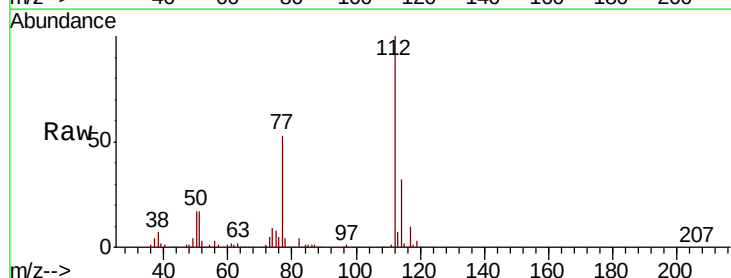
Tgt Ion:112 Resp: 246296

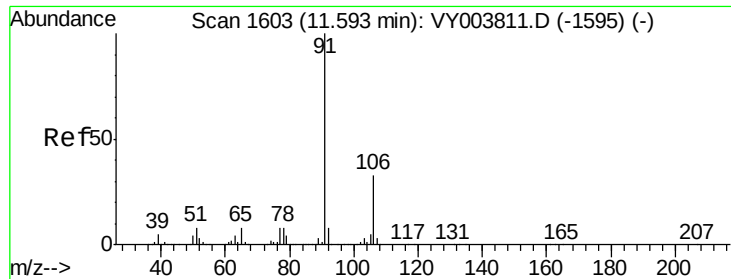
Ion Ratio Lower Upper

112 100

77 53.1 45.1 67.7

114 32.1 22.6 42.0

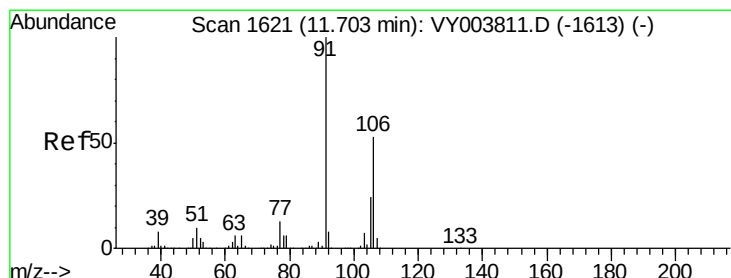
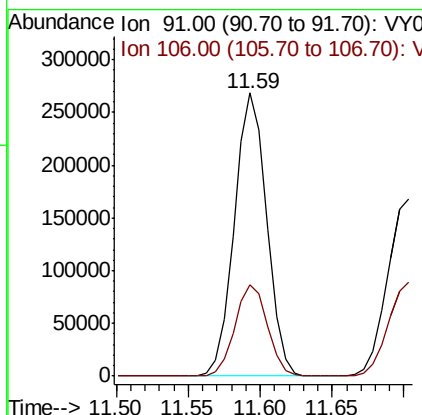
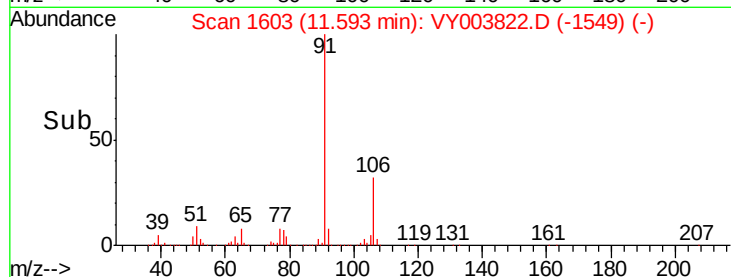
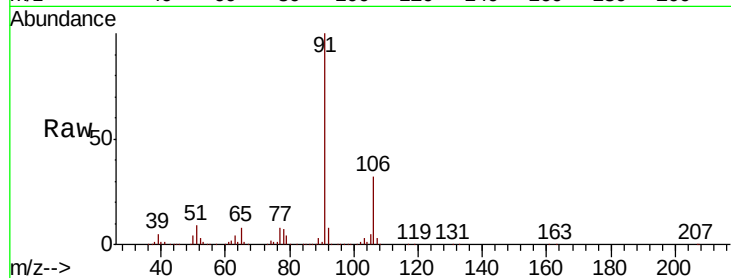




#53
Ethylbenzene
Concen: 24.232 ug/L
RT: 11.59 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VY003822.D
Acq: 18 Dec 2020 17:08

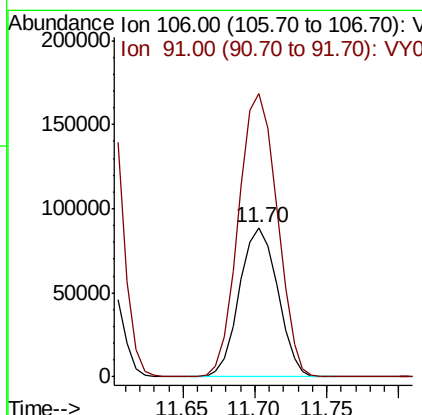
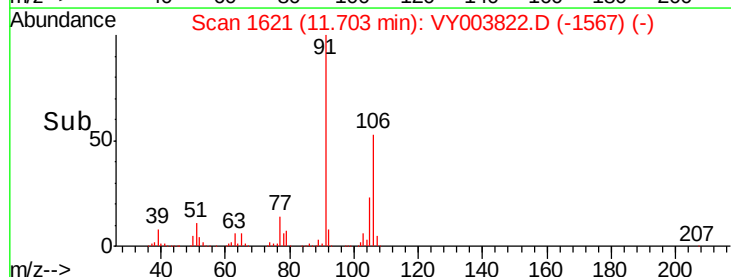
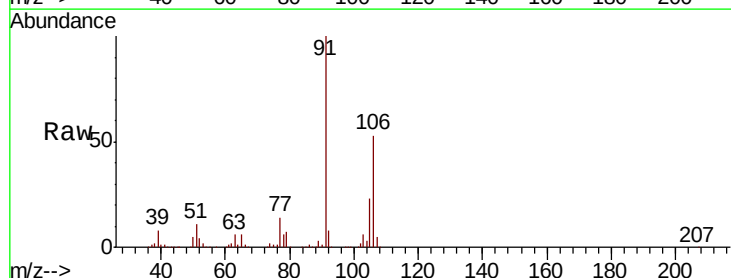
Instrument :
MSVOA_Y
ClientSampled :

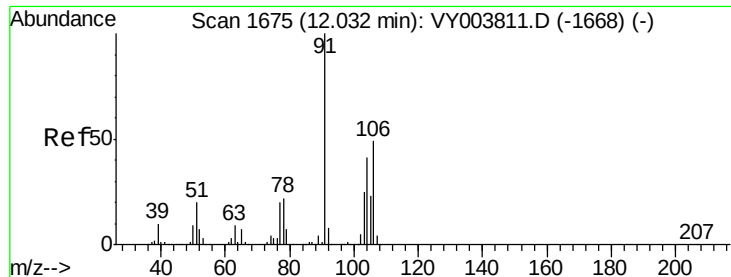
Tot Ion: 91 Resp: 419238
Ion Ratio Lower Upper
91 100
106 32.4 22.0 41.0



#54
m,p-Xylene
Concen: 24.562 ug/L
RT: 11.70 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VY003822.D
Acq: 18 Dec 2020 17:08

Tgt Ion: 106 Resp: 163911
Ion Ratio Lower Upper
106 100
91 189.3 136.4 253.4





#55

o-xylene

Concen: 24.657 ug/L

RT: 12.03 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VY003822.D

Acq: 18 Dec 2020 17:08

Instrument :

MSVOA_Y

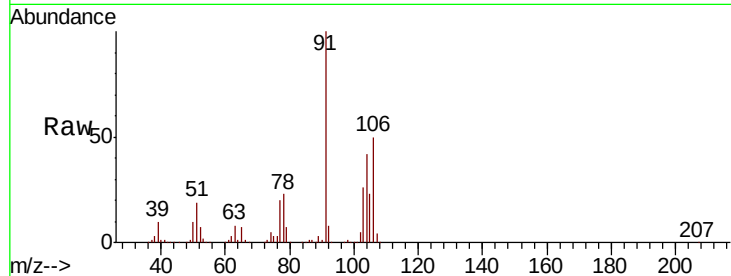
ClientSampled :

Tot Ion:106 Resp: 154410

Ion Ratio Lower Upper

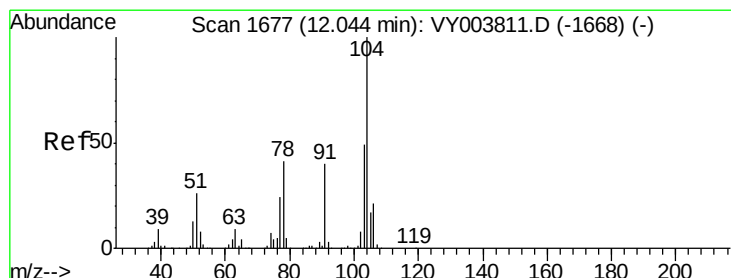
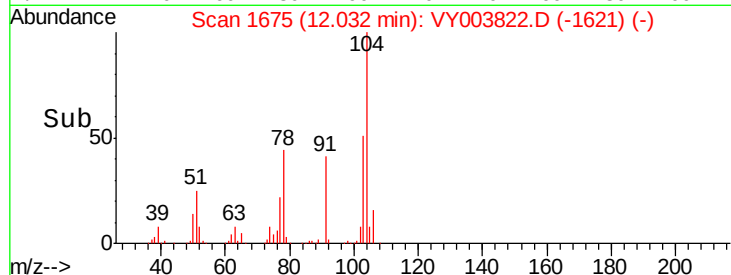
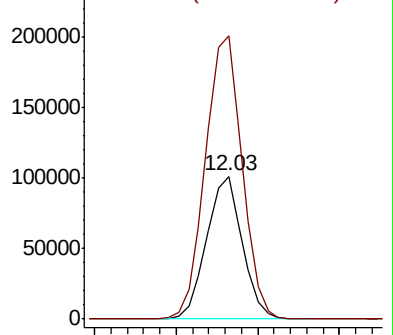
106 100

91 198.1 145.5 270.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 25.095 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VY003822.D

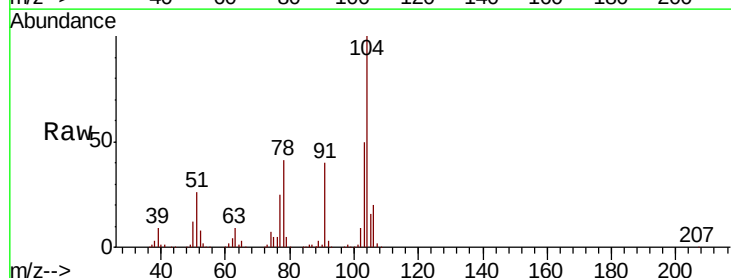
Acq: 18 Dec 2020 17:08

Tgt Ion:104 Resp: 268298

Ion Ratio Lower Upper

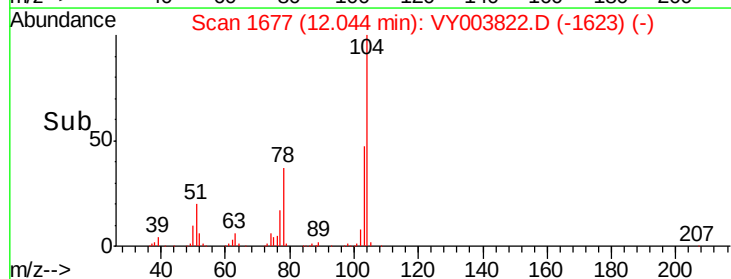
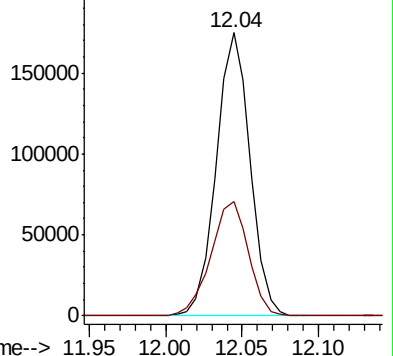
104 100

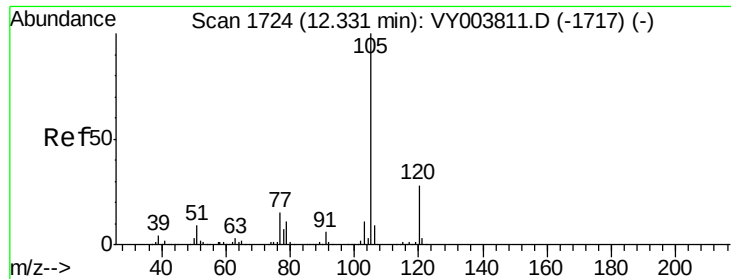
78 40.5 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 24.675 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. -0.00 min

Lab File: VY003822.D

Acq: 18 Dec 2020 17:08

Instrument :

MSVOA_Y

ClientSampleId :

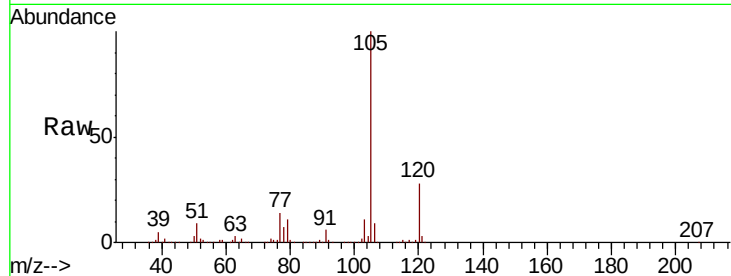
Tot Ion:105 Resp: 412621

Ion Ratio Lower Upper

105 100

120 27.8 22.1 33.1

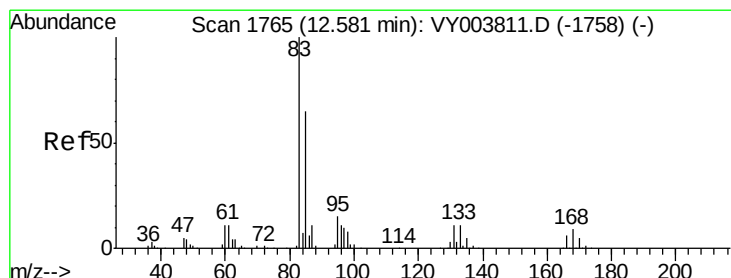
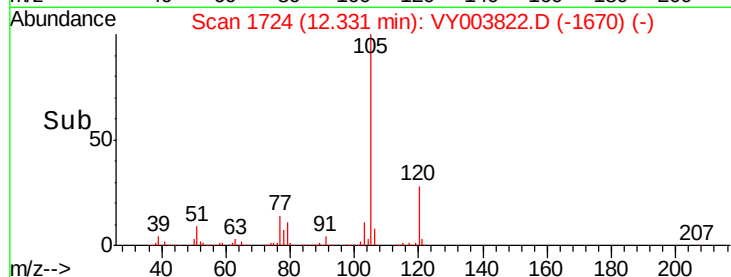
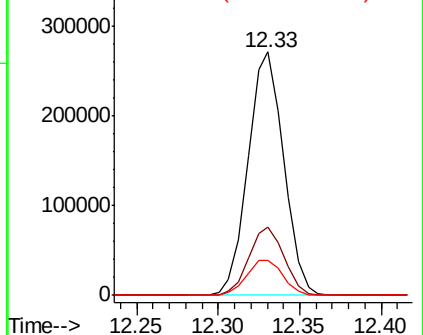
77 14.8 12.2 18.4



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



#58

1,1,2,2-Tetrachloroethane

Concen: 20.628 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. -0.00 min

Lab File: VY003822.D

Acq: 18 Dec 2020 17:08

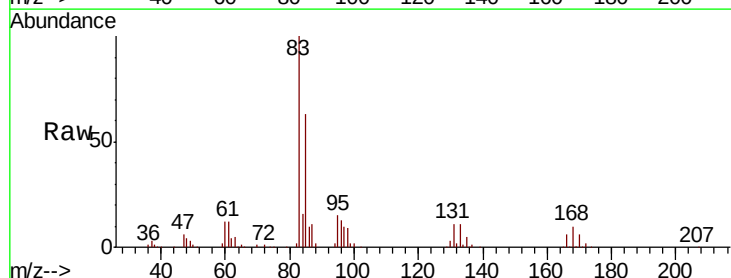
Tgt Ion: 83 Resp: 75409

Ion Ratio Lower Upper

83 100

85 63.5 43.9 81.5

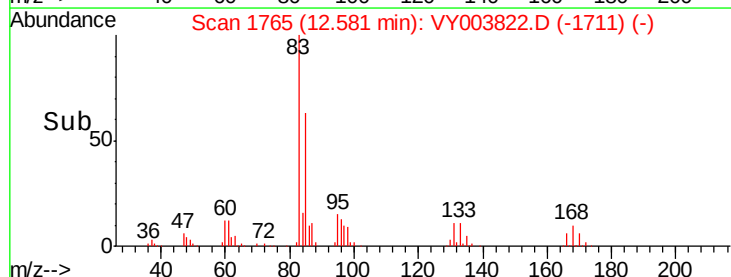
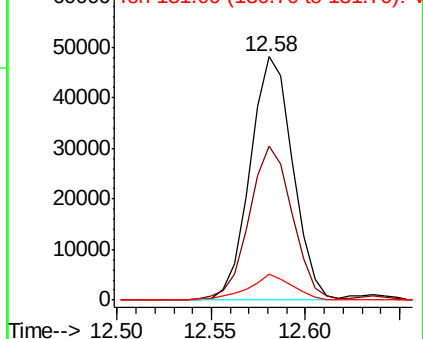
131 10.5 7.8 11.8

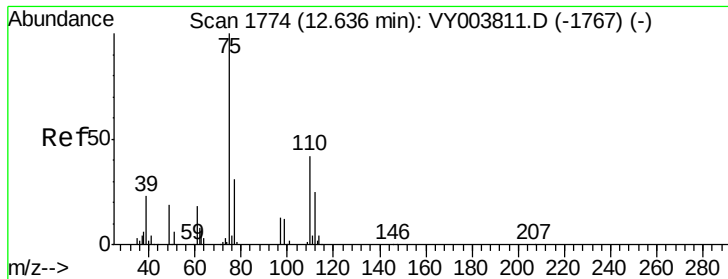


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 19.167 ug/L

RT: 12.64 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VY003822.D

Acq: 18 Dec 2020 17:08

Instrument :

MSVOA_Y

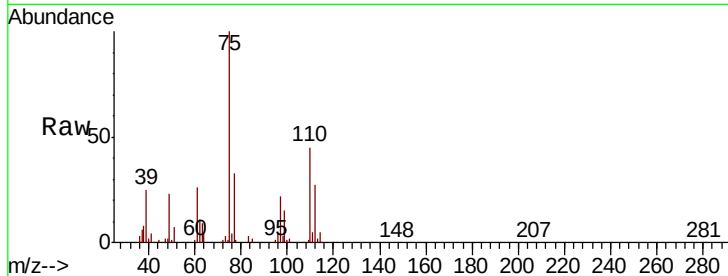
ClientSampleId :

Tot Ion: 75 Resp: 59112

Ion Ratio Lower Upper

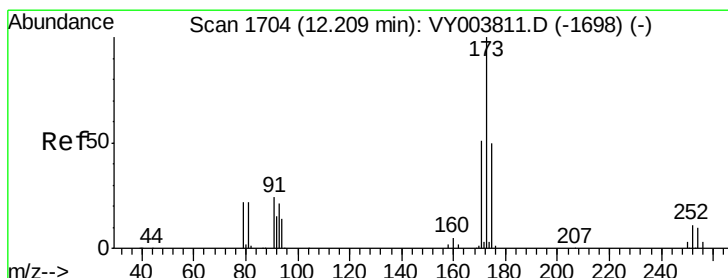
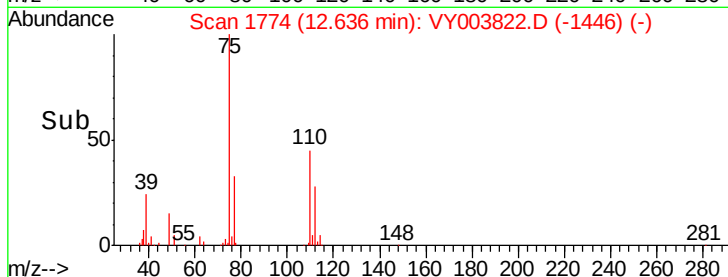
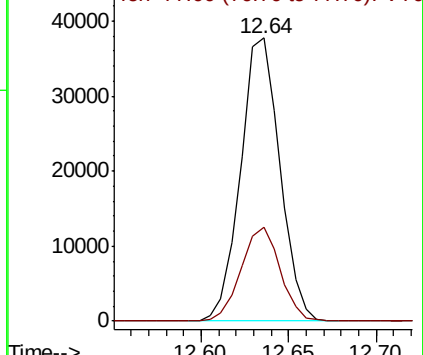
75 100

77 33.0 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VY003811.D (-1767) (-)

Ion 77.00 (76.70 to 77.70): VY003811.D (-1767) (-)



#62

Bromoform

Concen: 20.727 ug/L

RT: 12.21 min Scan# 1704

Delta R.T. -0.00 min

Lab File: VY003822.D

Acq: 18 Dec 2020 17:08

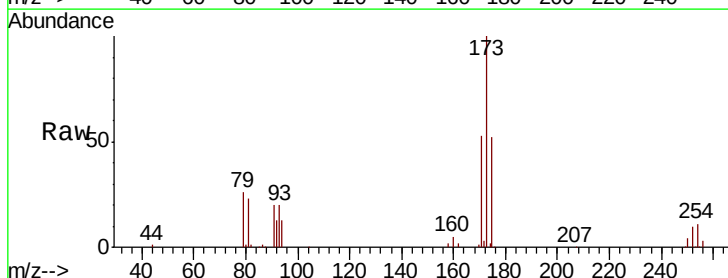
Tgt Ion:173 Resp: 52967

Ion Ratio Lower Upper

173 100

175 48.6 38.8 58.2

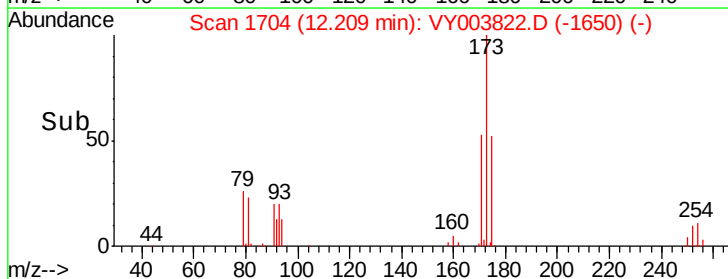
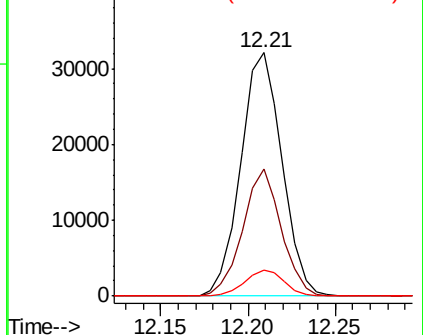
254 10.3 7.8 11.6

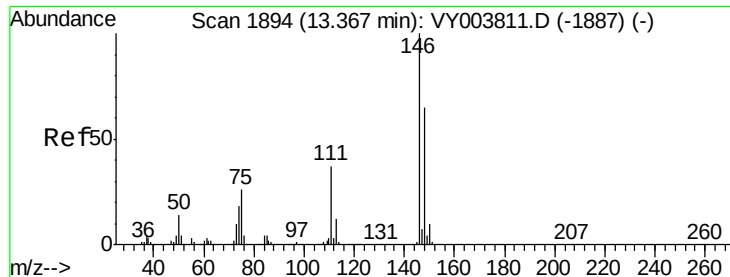


Abundance Ion 173.00 (172.70 to 173.70): VY003811.D (-1698) (-)

Ion 175.00 (174.70 to 175.70): VY003811.D (-1698) (-)

Ion 254.00 (253.70 to 254.70): VY003811.D (-1698) (-)

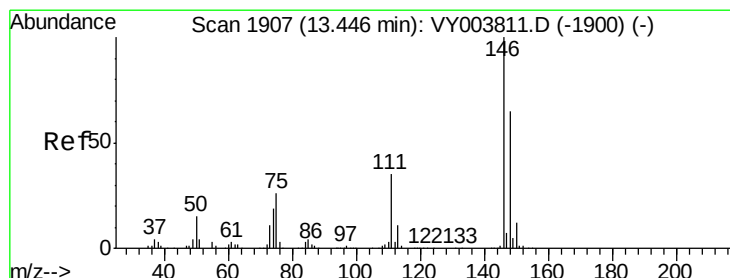
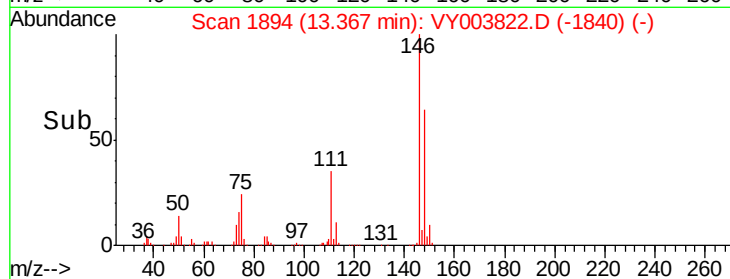
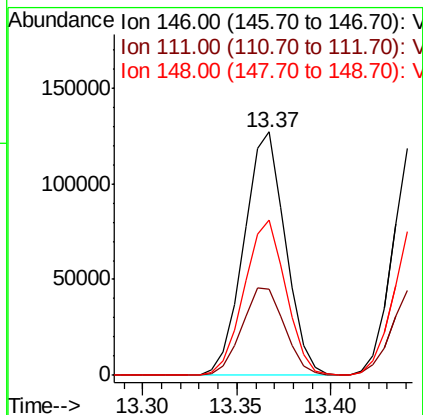
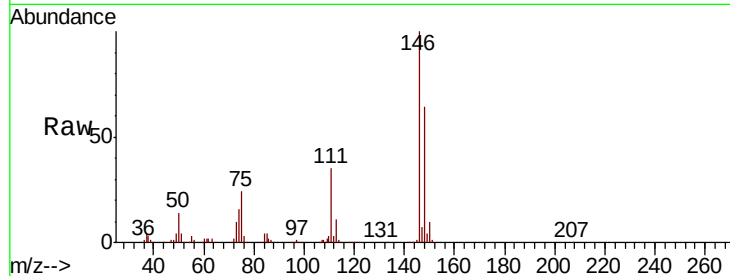




#63
 1,3-Dichlorobenzene
 Concen: 24.164 ug/L
 RT: 13.37 min Scan# 1894
 Delta R.T. -0.00 min
 Lab File: VY003822.D
 Acq: 18 Dec 2020 17:08

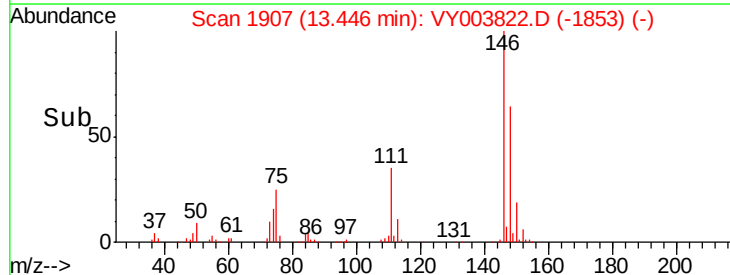
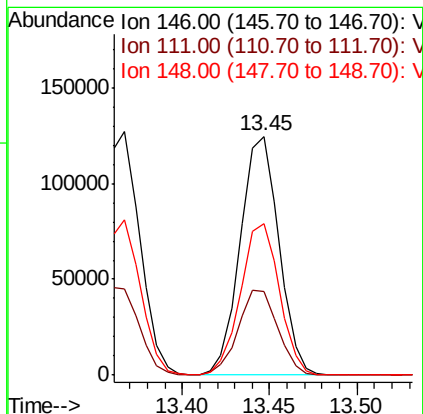
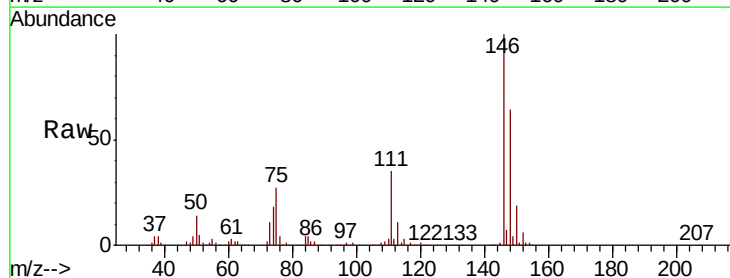
Instrument :
 MSVOA_Y
 ClientSampleId :

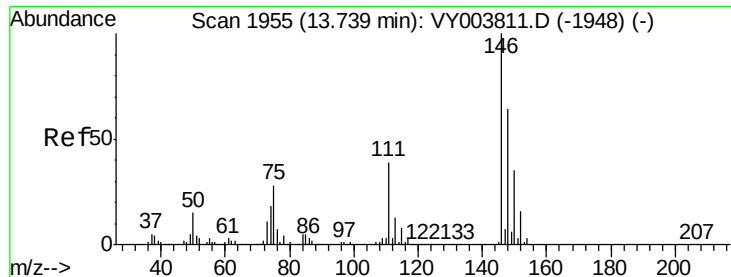
Tot Ion:146 Resp: 193914
 Ion Ratio Lower Upper
 146 100
 111 35.4 26.9 50.1
 148 63.7 46.0 85.4



#64
 1,4-Dichlorobenzene
 Concen: 23.606 ug/L
 RT: 13.45 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003822.D
 Acq: 18 Dec 2020 17:08

Tgt Ion:146 Resp: 192544
 Ion Ratio Lower Upper
 146 100
 111 35.0 24.8 46.0
 148 63.6 44.4 82.5

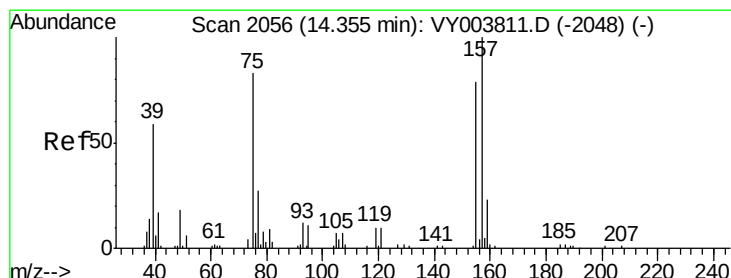
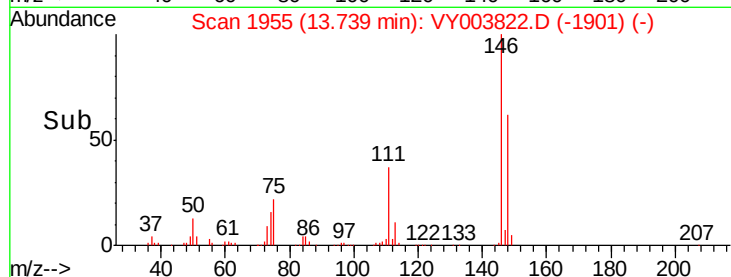
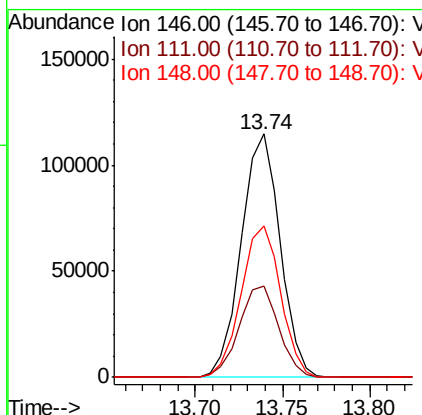
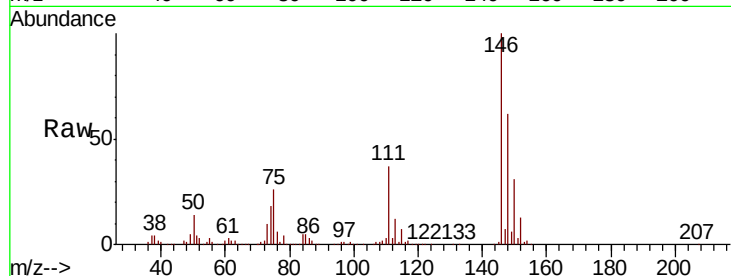




#65
 1,2-Dichlorobenzene
 Concen: 23.947 ug/L
 RT: 13.74 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VY003822.D
 Acq: 18 Dec 2020 17:08

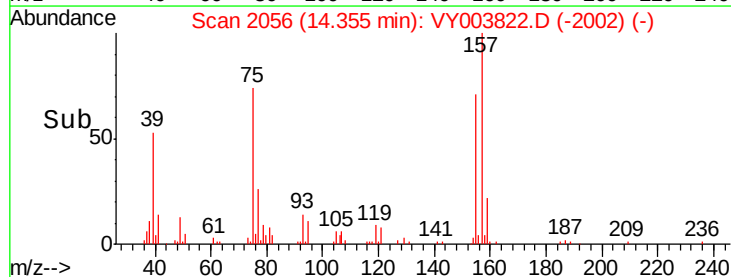
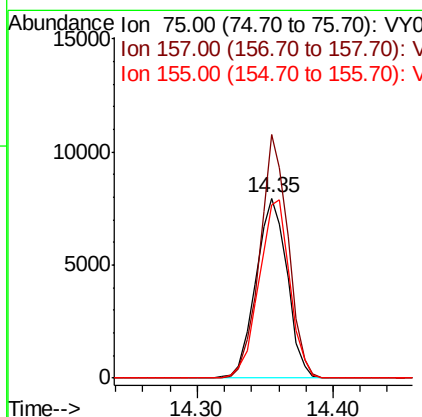
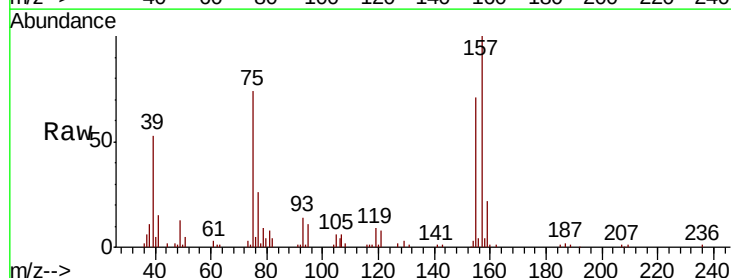
Instrument :
 MSVOA_Y
 ClientSampleId :

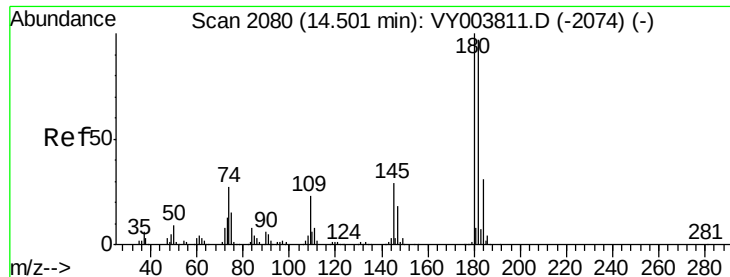
Tot Ion:146 Resp: 177334
 Ion Ratio Lower Upper
 146 100
 111 37.3 31.8 47.8
 148 62.4 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 17.553 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. -0.00 min
 Lab File: VY003822.D
 Acq: 18 Dec 2020 17:08

Tgt Ion: 75 Resp: 12780
 Ion Ratio Lower Upper
 75 100
 157 135.2 93.8 140.8
 155 96.1 70.9 106.3

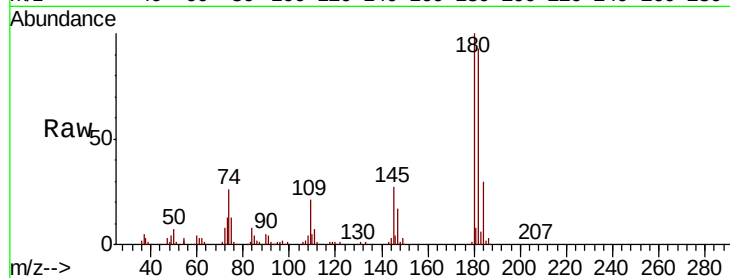




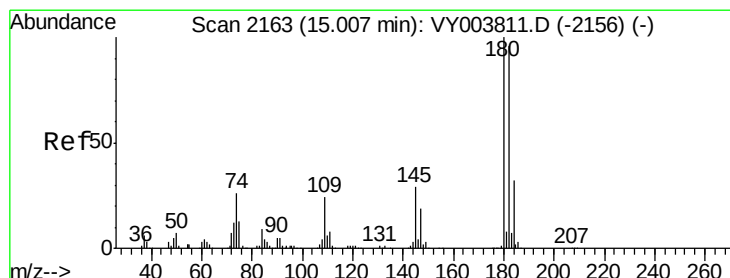
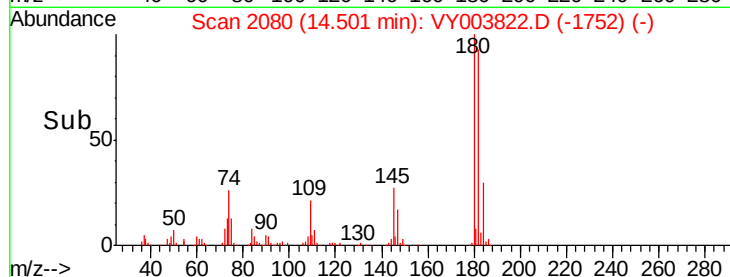
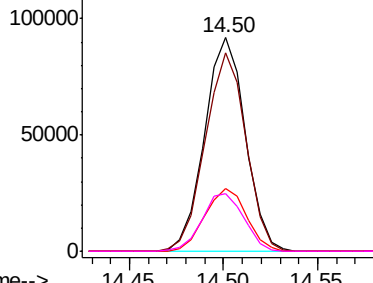
#67
 1,3,5-Trichlorobenzene
 Concen: 24.615 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VY003822.D
 Acq: 18 Dec 2020 17:08

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion:180	Resp:	137526
Ion Ratio	Lower	Upper
180	100	
182	92.9	75.7 113.5
184	30.2	24.2 36.4
145	27.6	22.9 34.3

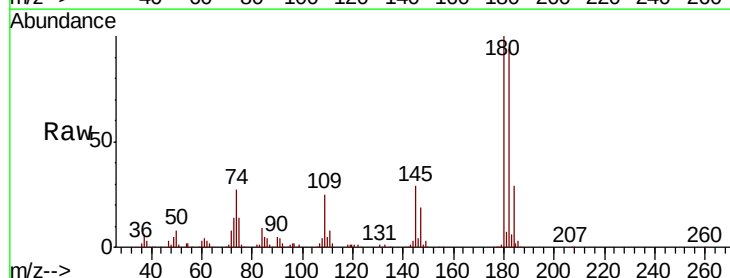


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

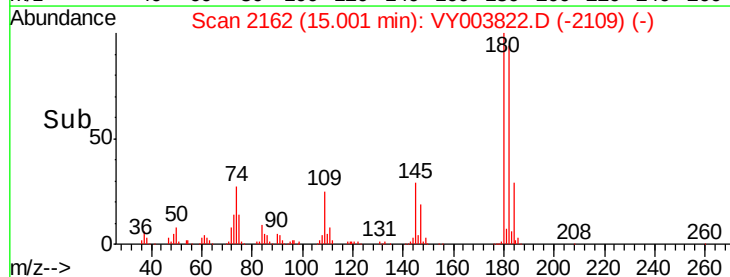
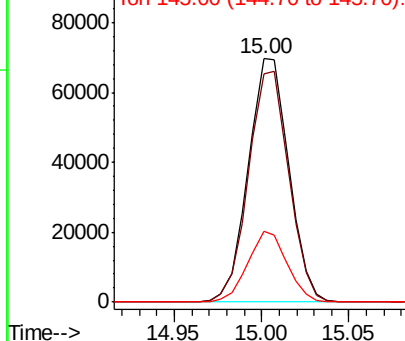


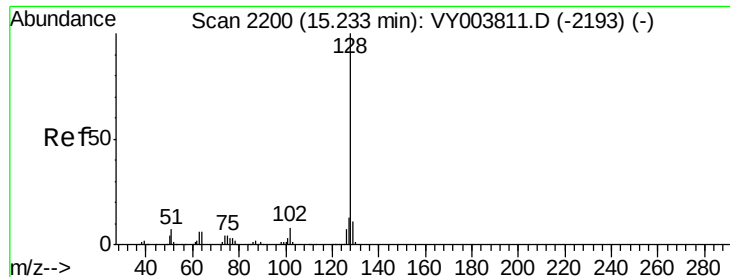
#68
 1,2,4-trichlorobenzene
 Concen: 23.602 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. -0.01 min
 Lab File: VY003822.D
 Acq: 18 Dec 2020 17:08

Tgt Ion:180	Resp:	112474
Ion Ratio	Lower	Upper
180	100	
182	94.4	76.8 115.2
145	28.2	23.7 35.5



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





#69

Naphthalene

Concen: 21.195 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VY003822.D

Acq: 18 Dec 2020 17:08

Instrument :

MSVOA_Y

ClientSampleId :

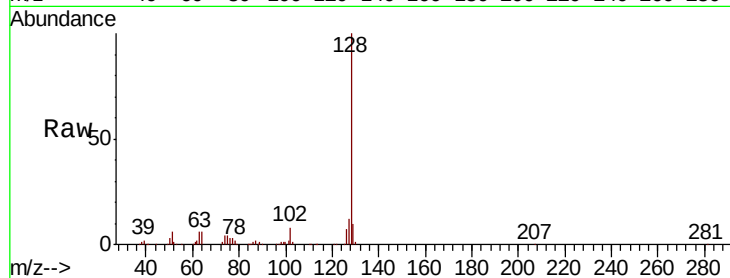
Tot Ion:128 Resp: 230455

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

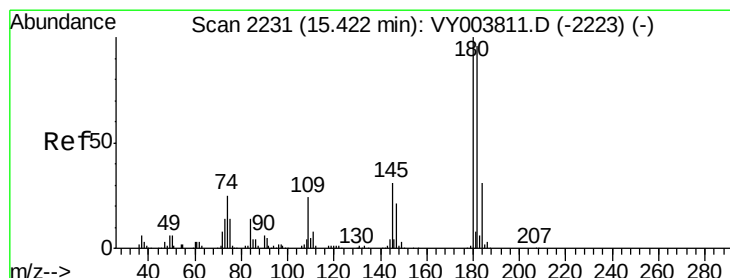
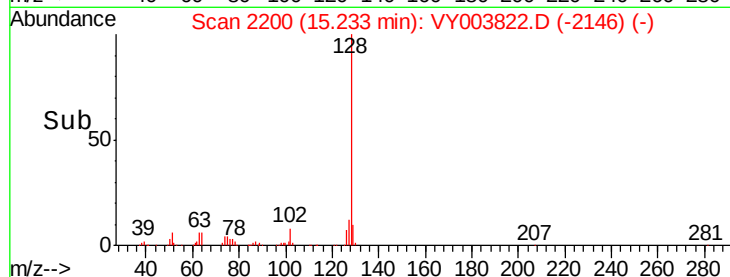
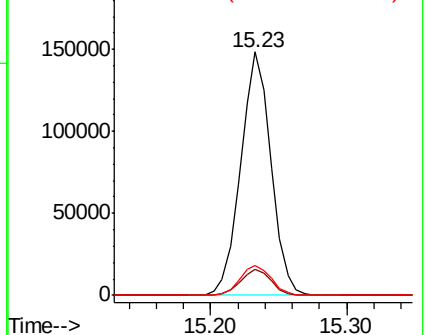
127 12.6 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 22.550 ug/L

RT: 15.42 min Scan# 2231

Delta R.T. -0.00 min

Lab File: VY003822.D

Acq: 18 Dec 2020 17:08

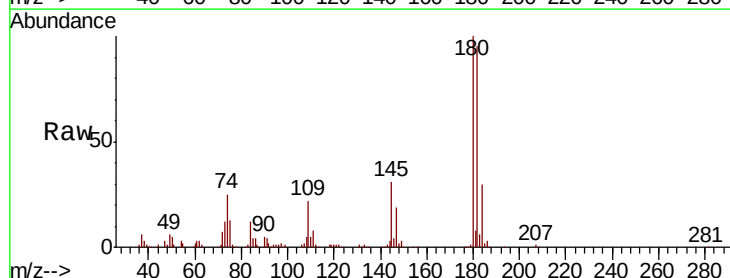
Tgt Ion:180 Resp: 97737

Ion Ratio Lower Upper

180 100

182 96.4 77.0 115.6

145 30.9 25.0 37.6



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

