

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120220\
 Data File : VY003646.D
 Acq On : 02 Dec 2020 12:43
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Quant Time: Dec 03 01:05:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120120SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 03 01:04:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	208822	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	193372	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	91492	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	61252	22.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.80%
7) Chloroethane-d5	2.77	69	49414	23.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.36%
11) 1,1-Dichloroethene-d2	3.86	63	95256	17.54	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.16%
21) 2-Butanone-d5	6.90	46	61404	52.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.84%
24) Chloroform-d	7.49	84	118891	22.44	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.76%
26) 1,2-Dichloroethane-d4	8.15	65	67553	23.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	8.12	84	258275	23.50	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	9.12	67	78310	23.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.60%
41) Toluene-d8	10.18	98	227720	23.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	10.44	79	34512	22.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.08%
47) 2-Hexanone-d5	10.79	63	43633	48.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.58%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	77952	23.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.12%
66) 1,2-Dichlorobenzene-d4	13.72	152	79256	24.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	2523	1.041 ug/L	92
3) Chloromethane	2.12	50	3042	1.157 ug/L	99
5) Vinyl chloride	2.25	62	3549	1.258 ug/L #	56
6) Bromomethane	2.66	94	2212	1.253 ug/L	82
9) Trichlorofluoromethane	3.13	101	3206	0.749 ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	3139	1.099 ug/L #	72
12) 1,1-Dichloroethene	3.88	96	4188	1.543 ug/L #	1
13) Acetone	3.97	43	2428	2.892 ug/L	79
14) Carbon disulfide	4.21	76	9493	1.059 ug/L	98
15) Methyl Acetate	4.49	43	1552	0.768 ug/L #	74
16) Methylene chloride	4.73	84	9573	2.716 ug/L	98
17) trans-1,2-Dichloroethene	5.23	96	3351	1.124 ug/L #	79
18) Methyl tert-butyl Ether	5.23	73	6695	0.919 ug/L #	67
19) 1,1-Dichloroethane	6.03	63	5159	1.028 ug/L	96
20) cis-1,2-Dichloroethene	6.99	96	3187	1.019 ug/L	87
22) 2-Butanone	7.00	43	4473	3.169 ug/L #	74
23) Bromochloromethane	7.35	128	1683	1.104 ug/L #	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

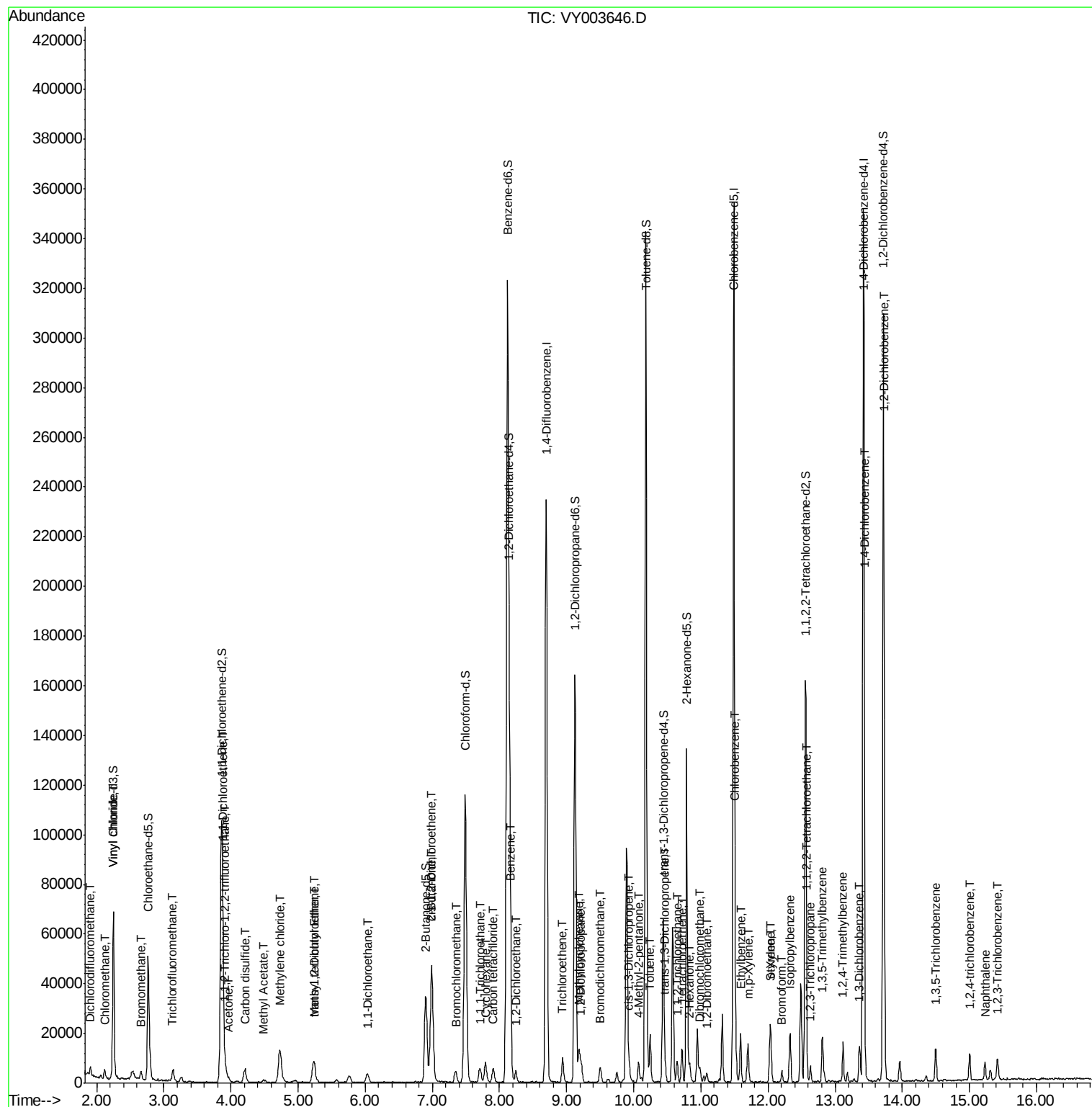
27) 1,2-Dichloroethane	8.25	62	3320	1.003	ug/L #	91
29) Cyclohexane	7.78	56	4347	0.947	ug/L	96
30) 1,1,1-Trichloroethane	7.72	97	4611	1.046	ug/L	99
31) Carbon tetrachloride	7.90	117	2109	0.530	ug/L #	1
33) Benzene	8.17	78	12186	1.031	ug/L	100
34) Trichloroethene	8.94	95	3096	1.050	ug/L	91
35) Methylcyclohexane	9.19	83	4628	0.918	ug/L	89
37) 1,2-Dichloropropane	9.22	63	2955	0.985	ug/L #	91
38) Bromodichloromethane	9.50	83	3805	1.008	ug/L	91
39) cis-1,3-Dichloropropene	9.93	75	4707	1.016	ug/L	91
40) 4-Methyl-2-pentanone	10.07	43	6233	2.366	ug/L	97
42) Toluene	10.25	91	13045	1.051	ug/L	95
44) trans-1,3-Dichloropropene	10.47	75	6031	1.410	ug/L	91
45) 1,1,2-Trichloroethane	10.65	97	2884	1.145	ug/L #	77
46) Tetrachloroethene	10.72	164	2692	1.066	ug/L	92
48) 2-Hexanone	10.83	43	4014	2.088	ug/L	95
49) Dibromochloromethane	10.98	129	2711	0.931	ug/L	100
50) 1,2-Dibromoethane	11.09	107	2408	0.988	ug/L #	96
51) Chlorobenzene	11.51	112	8277	1.035	ug/L	97
52) Ethylbenzene	11.59	91	13352	1.005	ug/L	95
53) m,p-Xylene	11.70	106	4754	0.915	ug/L	78
54) o-Xylene	12.03	106	4451	0.907	ug/L	97
55) Styrene	12.04	104	7619	0.908	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.58	83	3807	1.140	ug/L #	97
59) Bromoform	12.21	173	1986	1.106	ug/L	97
60) Isopropylbenzene	12.33	105	11049	0.945	ug/L	96
61) 1,2,3-Trichloropropane	12.64	75	2357	1.077	ug/L	92
62) 1,3,5-Trimethylbenzene	12.81	105	8557	0.923	ug/L	95
63) 1,2,4-Trimethylbenzene	13.12	105	8082	0.882	ug/L	98
64) 1,3-Dichlorobenzene	13.36	146	5820	1.028	ug/L	90
65) 1,4-Dichlorobenzene	13.44	146	6508	1.132	ug/L	94
67) 1,2-Dichlorobenzene	13.73	146	5889	1.108	ug/L	93
69) 1,3,5-Trichlorobenzene	14.50	180	4199	1.056	ug/L	93
70) 1,2,4-trichlorobenzene	15.00	180	3361	0.993	ug/L	98
71) Naphthalene	15.23	128	6166	0.834	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	2952	0.949	ug/L	100

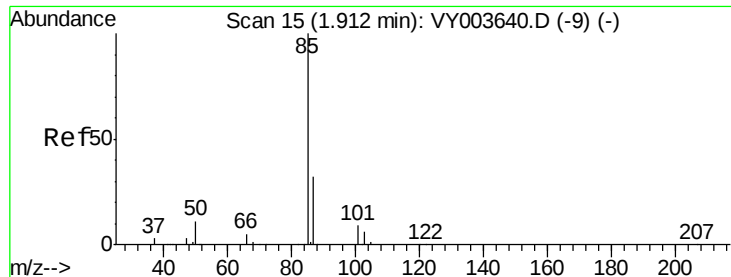
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.041 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.01 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

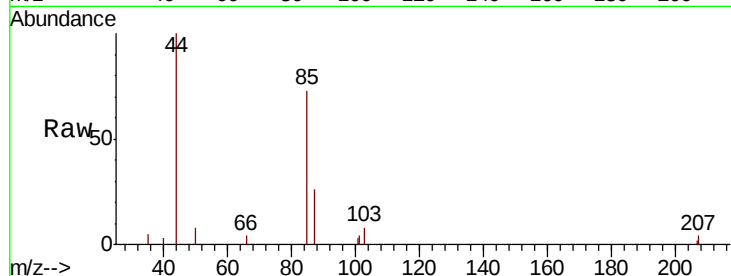
MDL02

Tot Ion: 85 Resp: 2523

Ion Ratio Lower Upper

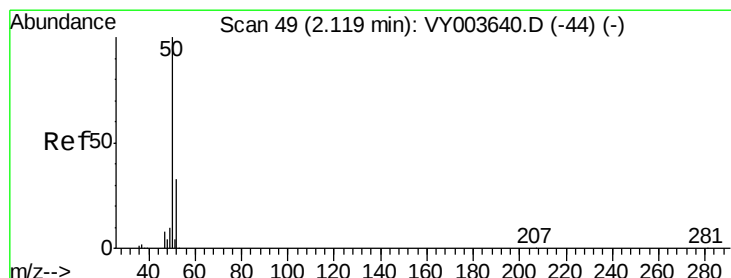
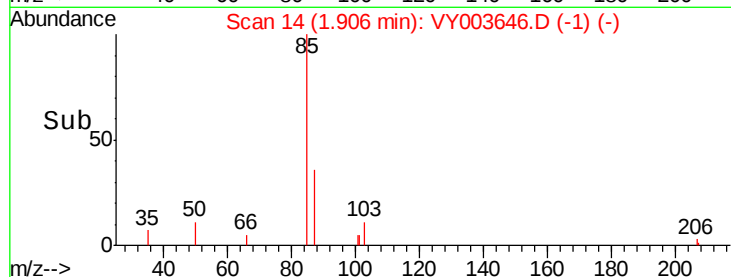
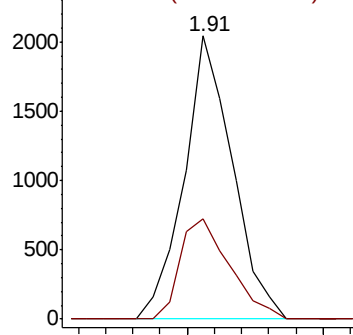
85 100

87 36.4 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 1.157 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.00 min

Lab File: VY003646.D

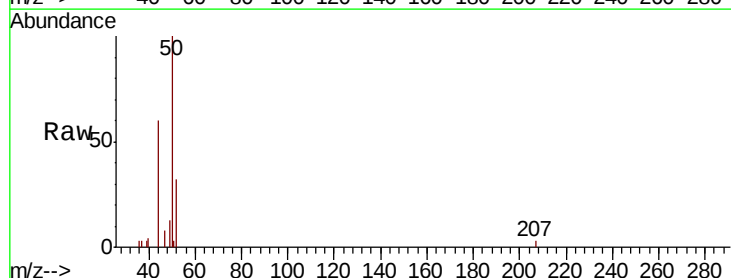
Acq: 02 Dec 2020 12:43

Tgt Ion: 50 Resp: 3042

Ion Ratio Lower Upper

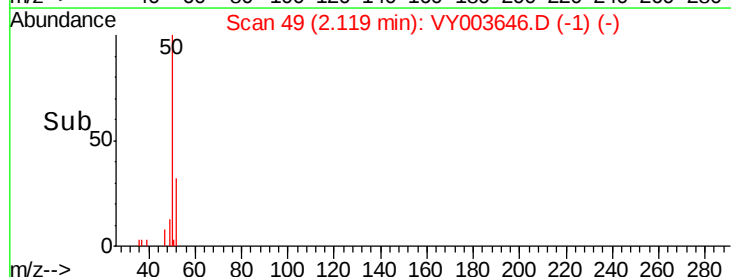
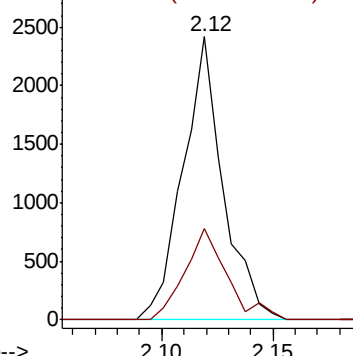
50 100

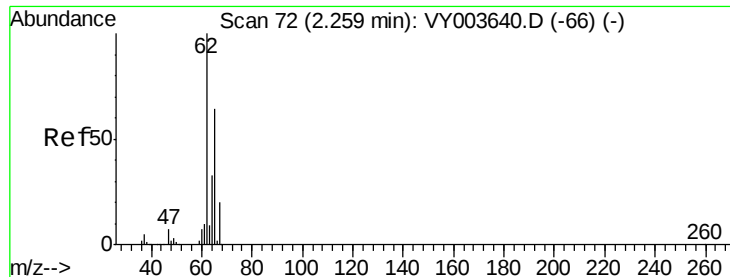
52 32.1 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 1.258 ug/L

RT: 2.25 min Scan# 71

Delta R.T. -0.01 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

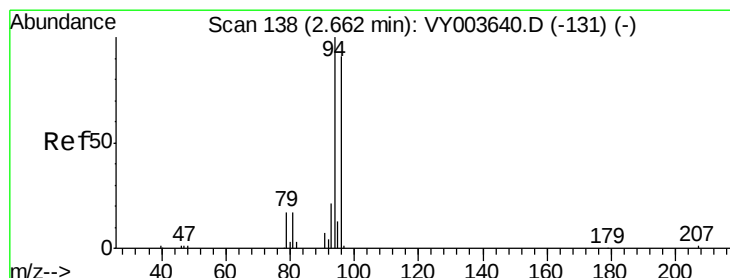
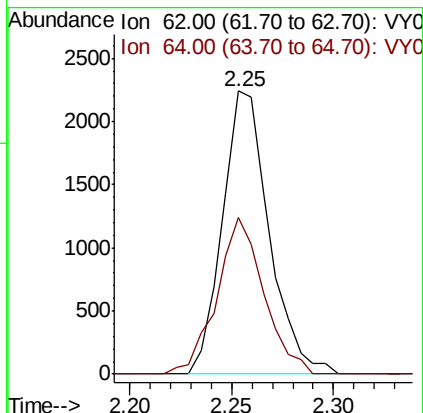
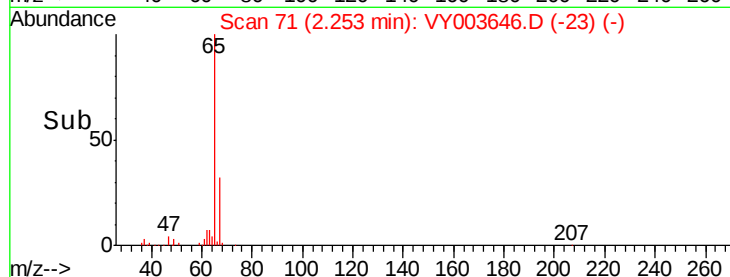
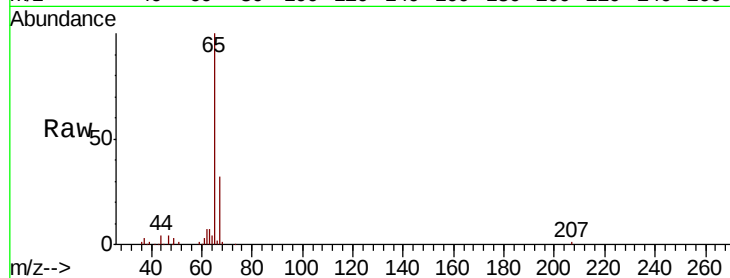
MDL02

Tot Ion: 62 Resp: 3549

Ion Ratio Lower Upper

62 100

64 55.6 21.9 40.7#



#6

Bromomethane

Concen: 1.253 ug/L

RT: 2.66 min Scan# 138

Delta R.T. 0.00 min

Lab File: VY003646.D

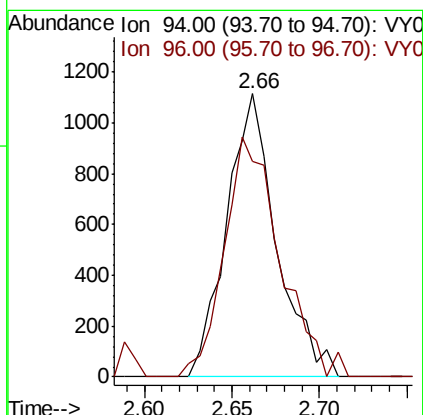
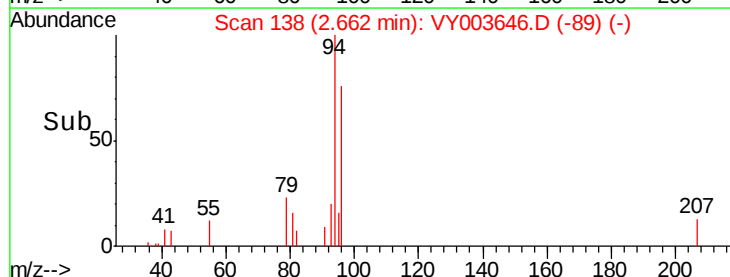
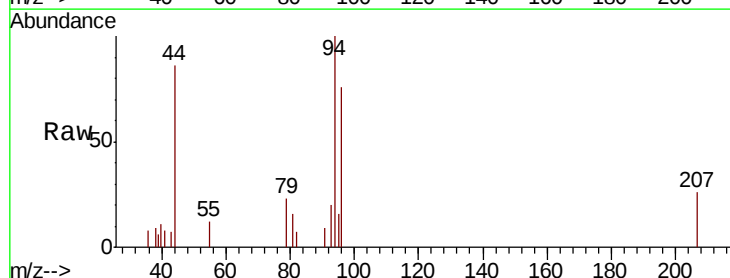
Acq: 02 Dec 2020 12:43

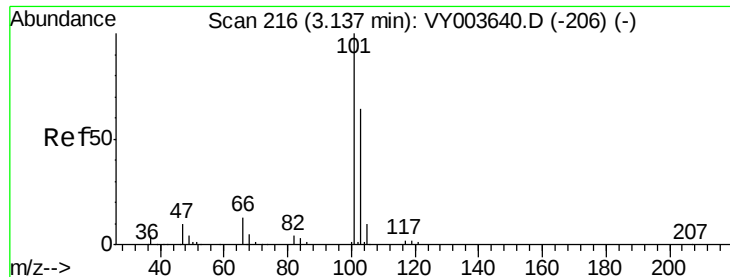
Tgt Ion: 94 Resp: 2212

Ion Ratio Lower Upper

94 100

96 76.2 65.2 121.0



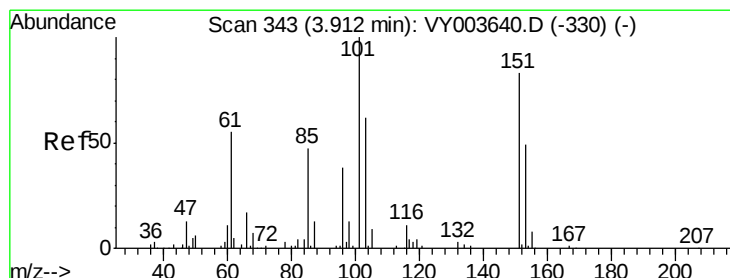
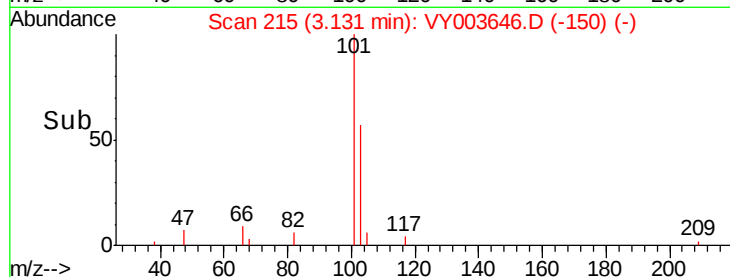
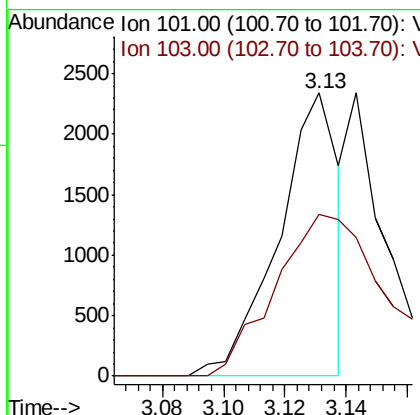
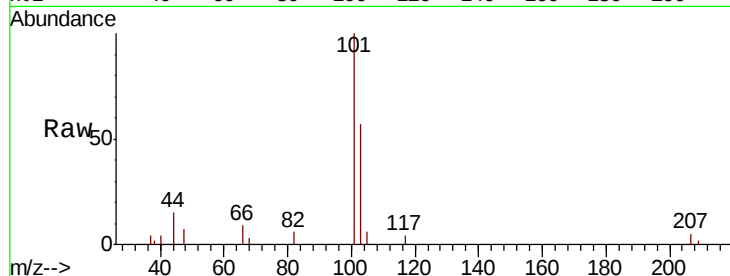


#9

Trichlorofluoromethane
 Concen: 0.749 ug/L
 RT: 3.13 min Scan# 215
 Delta R.T. -0.01 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL02

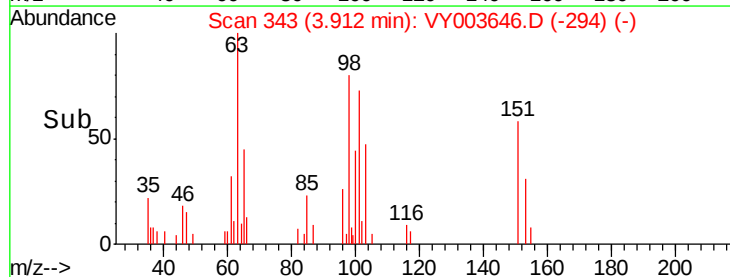
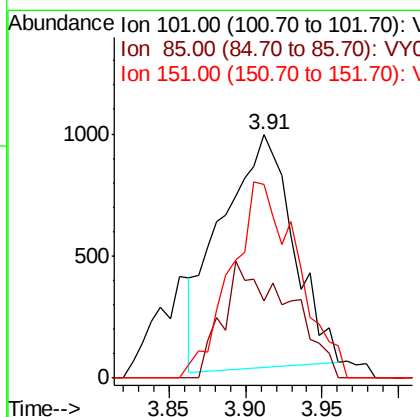
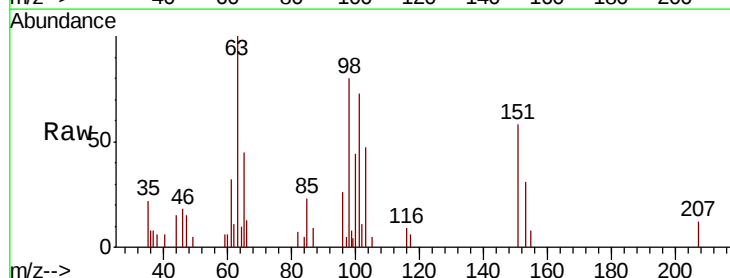
Tot Ion:101 Resp: 3206
 Ion Ratio Lower Upper
 101 100
 103 102.6 51.9 77.9#

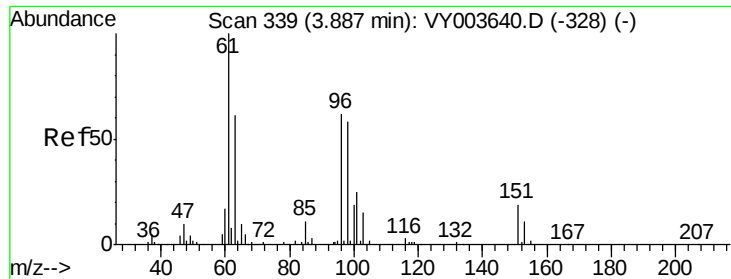


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.099 ug/L
 RT: 3.91 min Scan# 343
 Delta R.T. 0.00 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Tgt Ion:101 Resp: 3139
 Ion Ratio Lower Upper
 101 100
 85 26.6 35.6 53.4#
 151 55.7 64.2 96.2#





#12

1,1-Dichloroethene

Concen: 1.543 ug/L

RT: 3.88 min Scan# 338

Delta R.T. -0.01 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

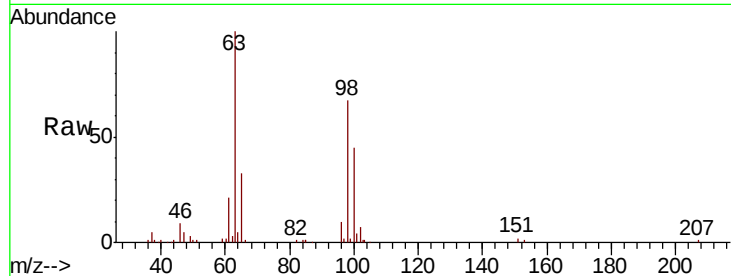
Tot Ion: 96 Resp: 4188

Ion Ratio Lower Upper

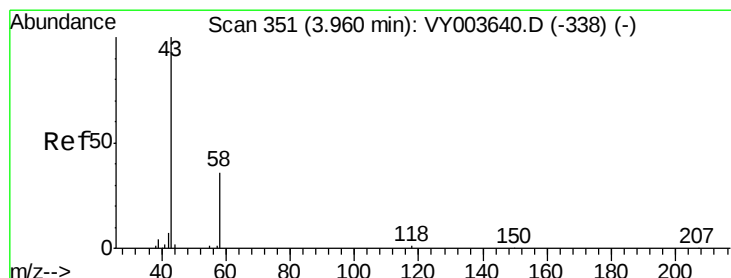
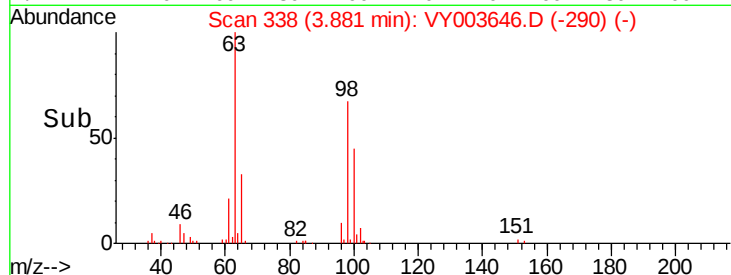
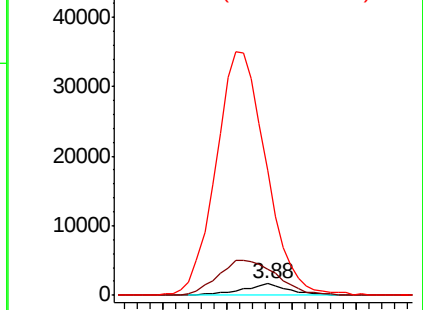
96 100

61 217.5 106.1 197.1#

63 1052.5 62.9 116.9#



Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 63.00 (62.70 to 63.70): VY0



#13

Acetone

Concen: 2.892 ug/L

RT: 3.97 min Scan# 352

Delta R.T. 0.01 min

Lab File: VY003646.D

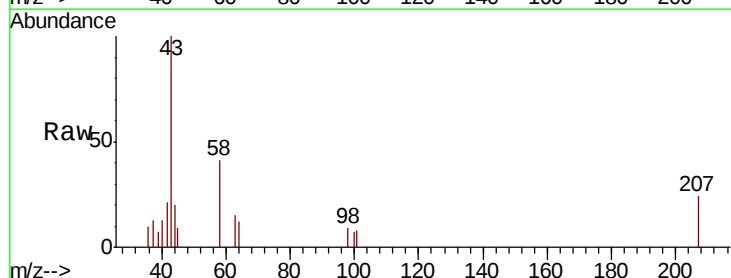
Acq: 02 Dec 2020 12:43

Tgt Ion: 43 Resp: 2428

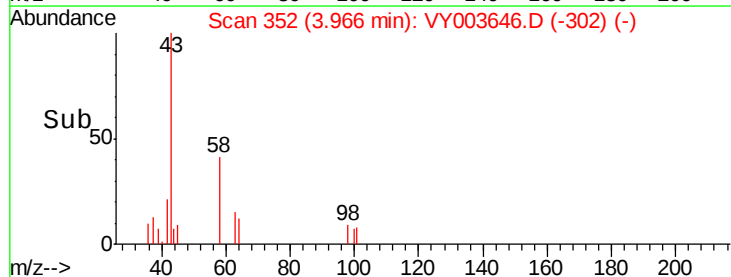
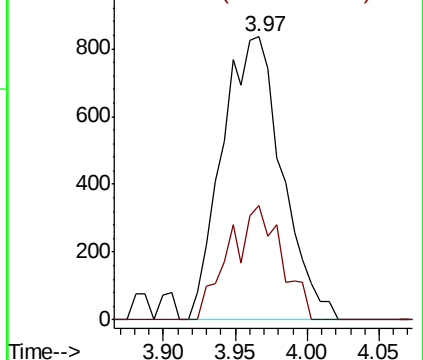
Ion Ratio Lower Upper

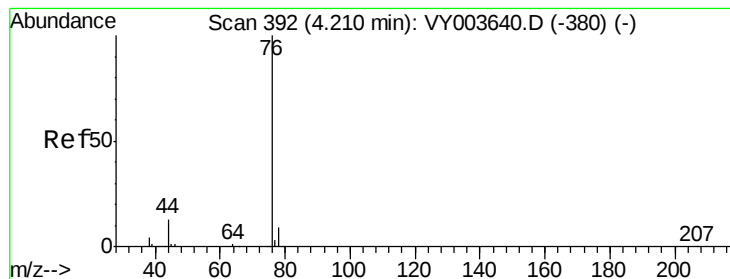
43 100

58 19.4 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0





#14

Carbon disulfide

Concen: 1.059 ug/L

RT: 4.21 min Scan# 392

Delta R.T. 0.00 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

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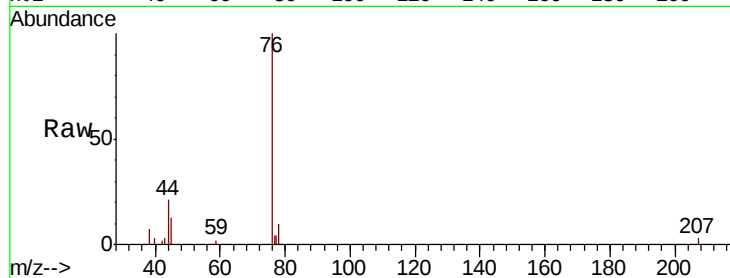
MDL02

Tot Ion: 76 Resp: 9493

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VY003646.D (-343) (-)

Ion 78.00 (77.70 to 78.70): VY003646.D (-343) (-)

4.21

3000

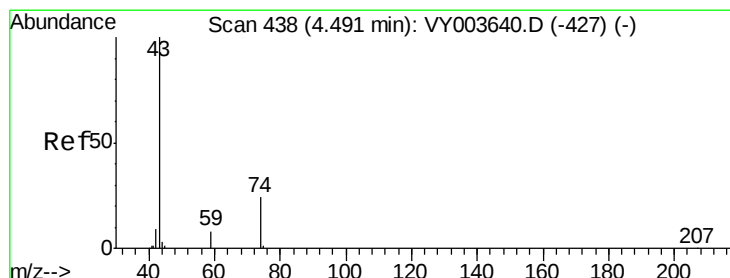
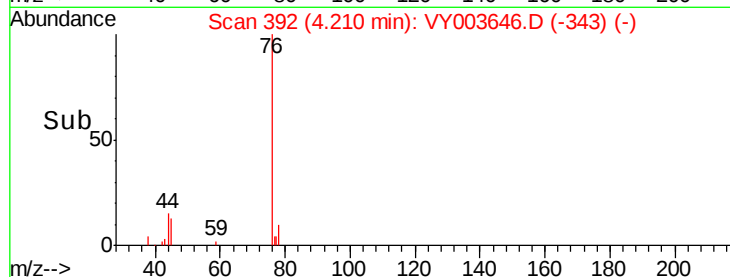
2000

1000

0

Time-->

4.10 4.15 4.20 4.25 4.30



#15

Methyl Acetate

Concen: 0.768 ug/L

RT: 4.49 min Scan# 438

Delta R.T. 0.00 min

Lab File: VY003646.D

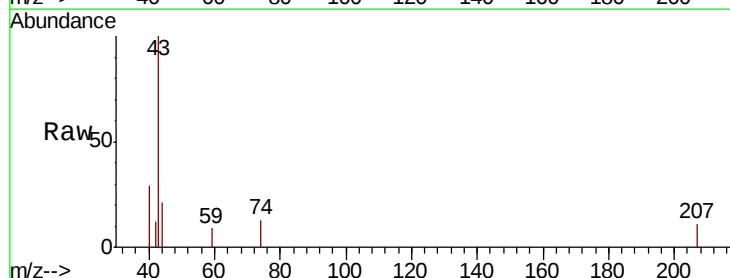
Acq: 02 Dec 2020 12:43

Tgt Ion: 43 Resp: 1552

Ion Ratio Lower Upper

43 100

74 10.1 18.2 27.2#



Abundance Ion 43.00 (42.70 to 43.70): VY003646.D (-389) (-)

Ion 74.00 (73.70 to 74.70): VY003646.D (-389) (-)

4.49

800

600

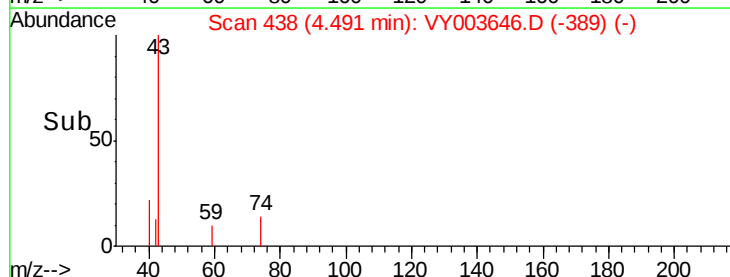
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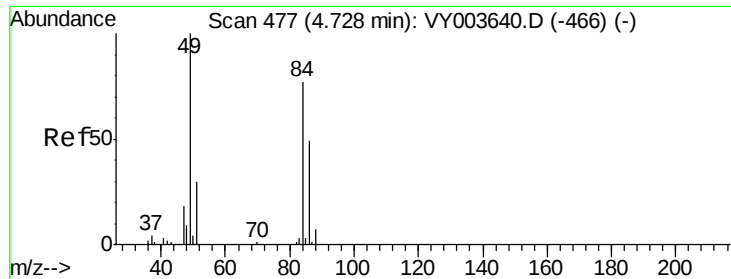
200

0

Time-->

4.45 4.50

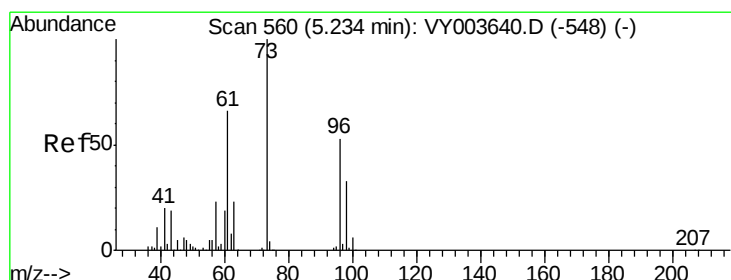
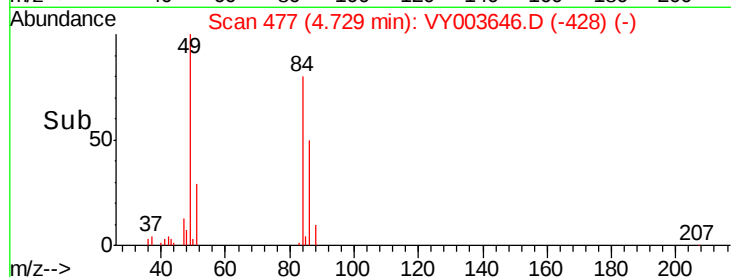
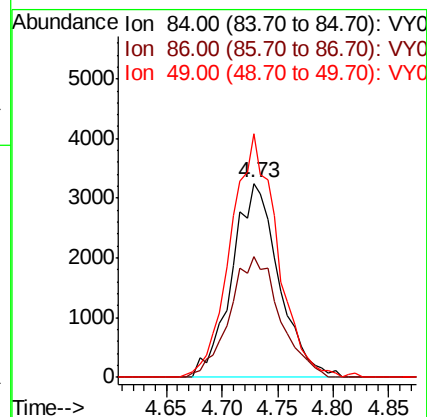
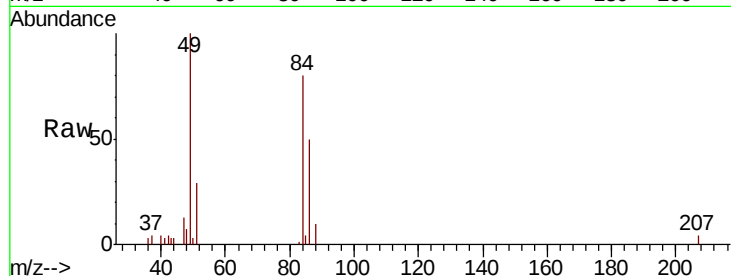




#16
Methvlene chloride
Concen: 2.716 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

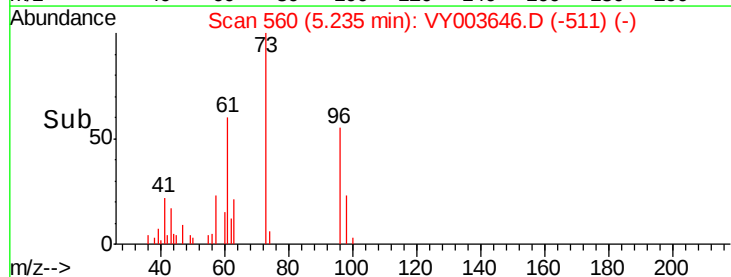
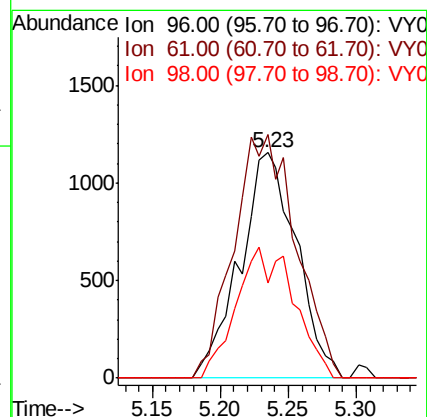
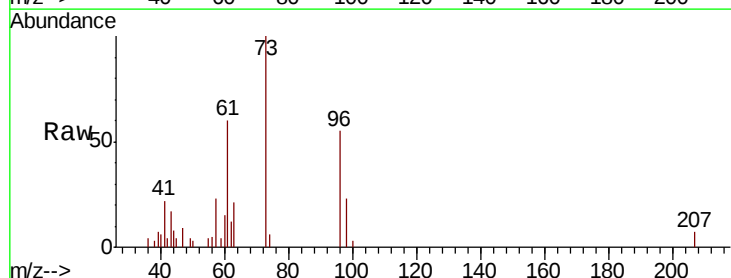
Instrument :
MSVOA_Y
ClientSampled :
MDL02

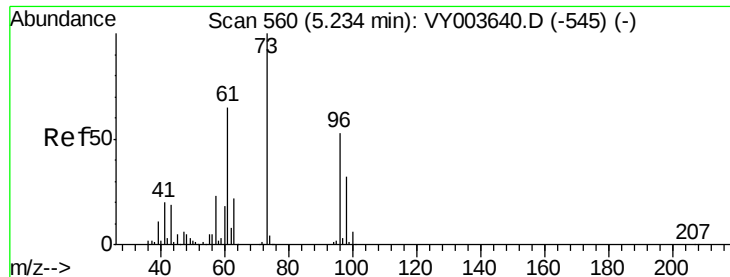
Tot Ion: 84 Resp: 9573
Ion Ratio Lower Upper
84 100
86 62.2 43.3 80.3
49 125.5 85.3 158.5



#17
trans-1,2-Dichloroethene
Concen: 1.124 ug/L
RT: 5.23 min Scan# 560
Delta R.T. 0.00 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

Tgt Ion: 96 Resp: 3351
Ion Ratio Lower Upper
96 100
61 108.2 89.5 166.1
98 42.3 45.5 84.5#

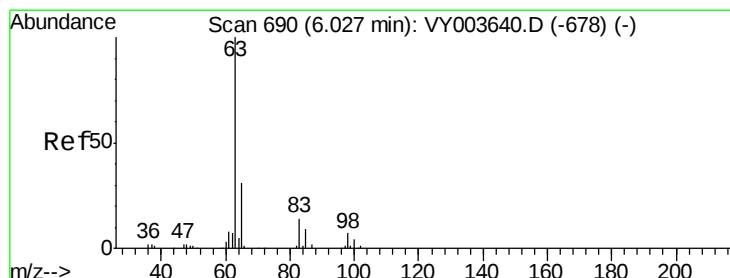
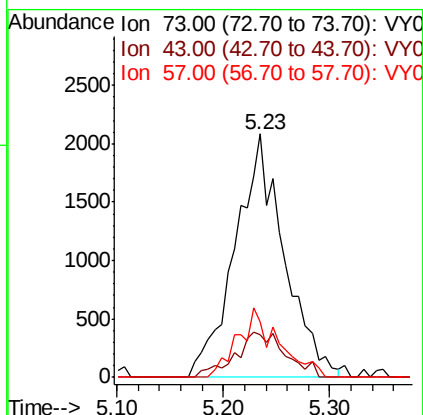
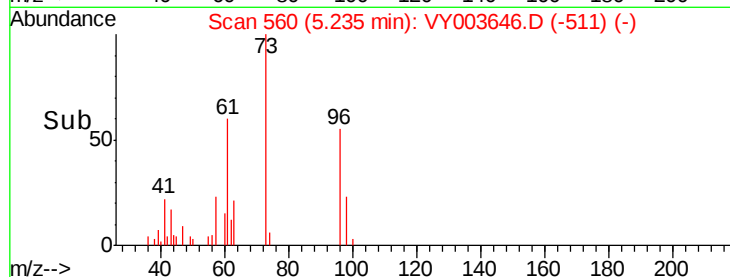
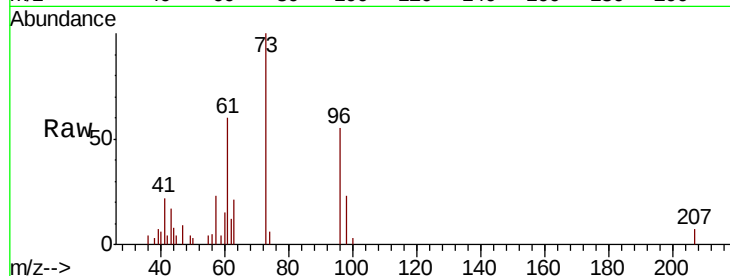




#18
Methvl tert-butvl Ether
Concen: 0.919 ug/L
RT: 5.23 min Scan# 560
Delta R.T. 0.00 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

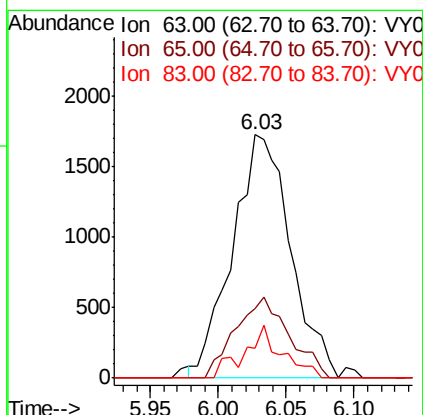
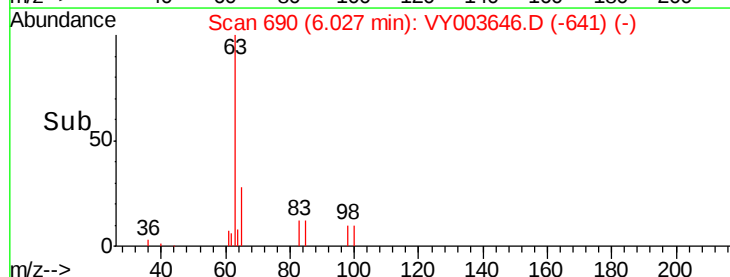
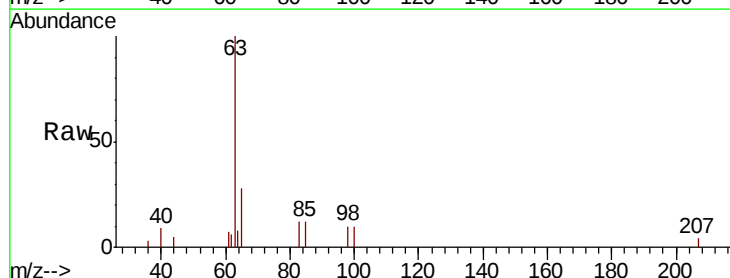
Instrument :
MSVOA_Y
ClientSampled :
MDL02

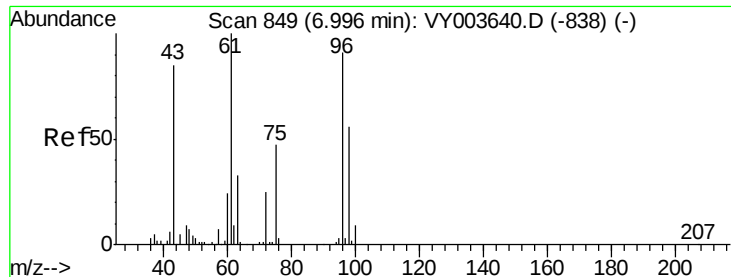
Tot Ion: 73 Resp: 6695
Ion Ratio Lower Upper
73 100
43 7.4 15.2 22.8#
57 3.7 18.1 27.1#



#19
1,1-Dichloroethane
Concen: 1.028 ug/L
RT: 6.03 min Scan# 690
Delta R.T. 0.00 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

Tgt Ion: 63 Resp: 5159
Ion Ratio Lower Upper
63 100
65 28.4 21.9 40.7
83 12.5 9.5 17.7

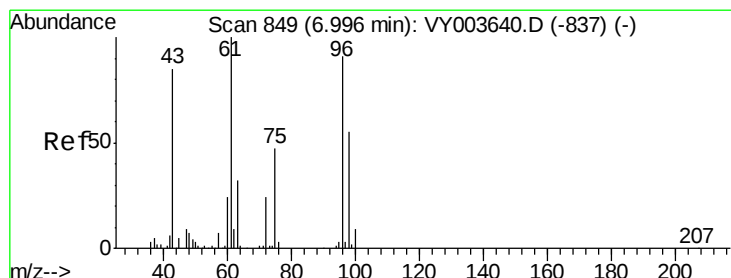
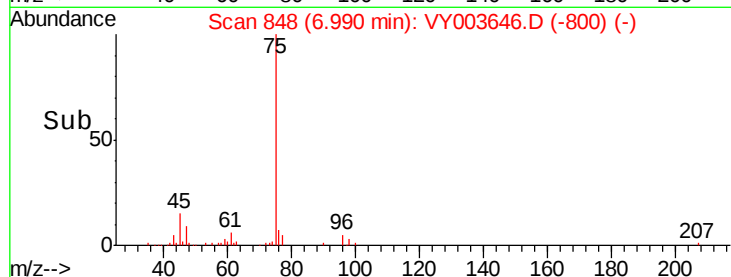
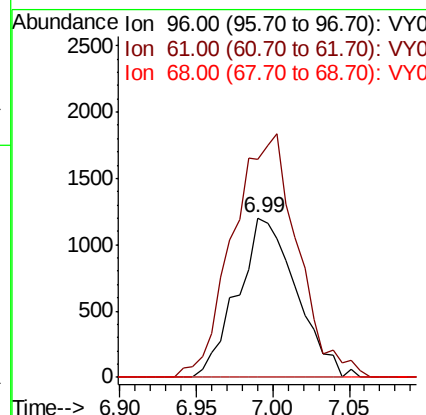
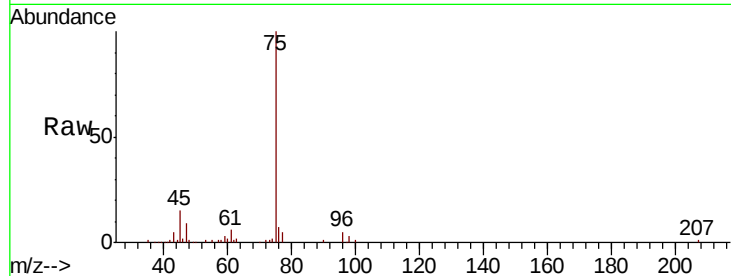




#20
 cis-1,2-Dichloroethene
 Concen: 1.019 ug/L
 RT: 6.99 min Scan# 848
 Delta R.T. -0.01 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

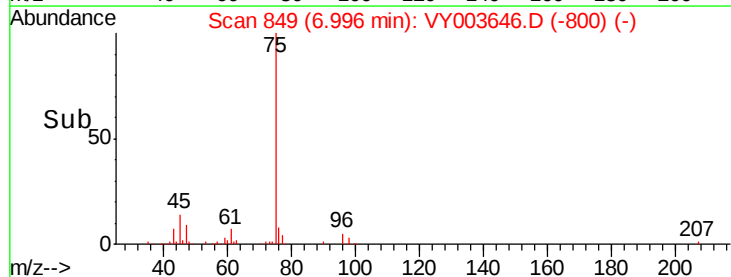
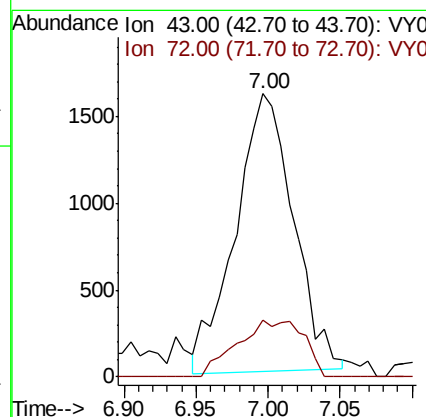
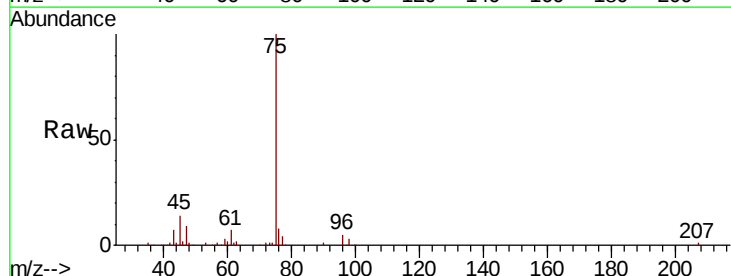
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

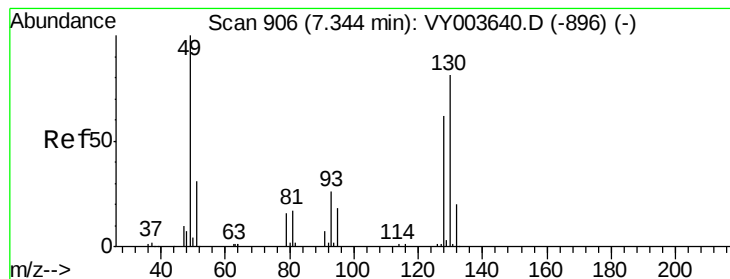
Tot Ion: 96 Resp: 3187
 Ion Ratio Lower Upper
 96 100
 61 136.7 85.8 159.4
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 3.169 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Tgt Ion: 43 Resp: 4473
 Ion Ratio Lower Upper
 43 100
 72 13.3 13.5 40.5#





#23

Bromochloromethane

Concen: 1.104 ug/L

RT: 7.35 min Scan# 907

Delta R.T. 0.01 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion:128 Resp: 1683

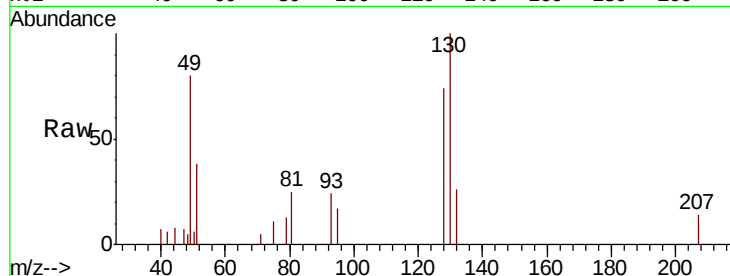
Ion Ratio Lower Upper

128 100

49 107.3 118.1 219.3#

130 134.4 90.5 168.1

51 50.9 41.3 61.9

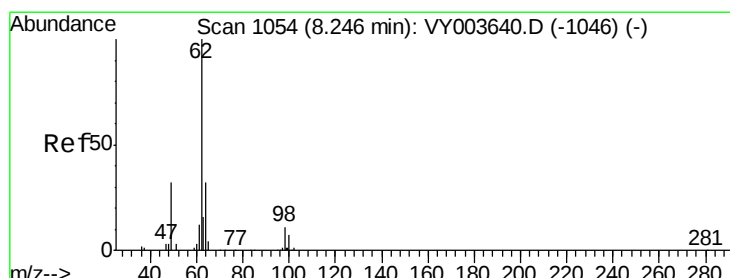
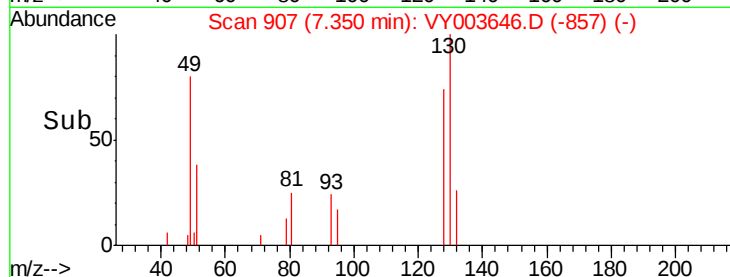
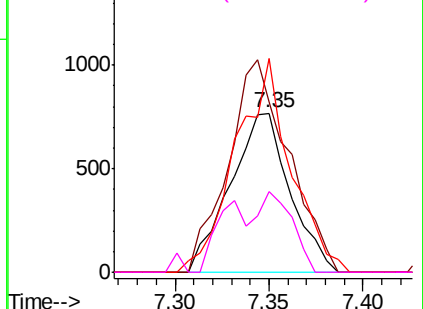


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VY0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VY0



#27

1,2-Dichloroethane

Concen: 1.003 ug/L

RT: 8.25 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY003646.D

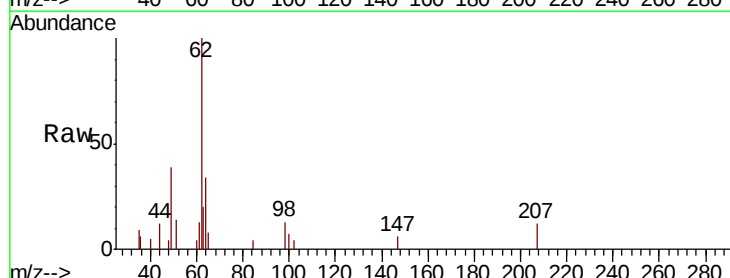
Acq: 02 Dec 2020 12:43

Tgt Ion: 62 Resp: 3320

Ion Ratio Lower Upper

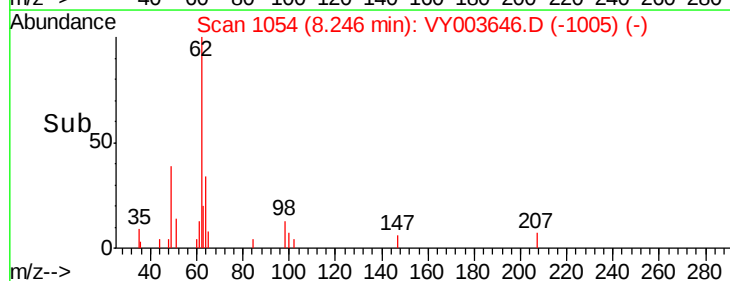
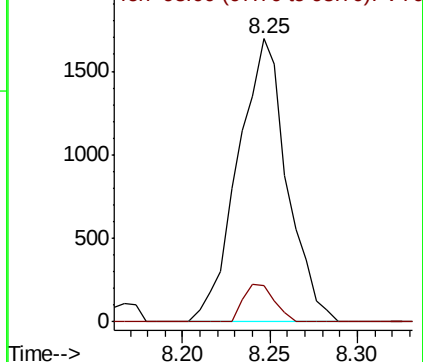
62 100

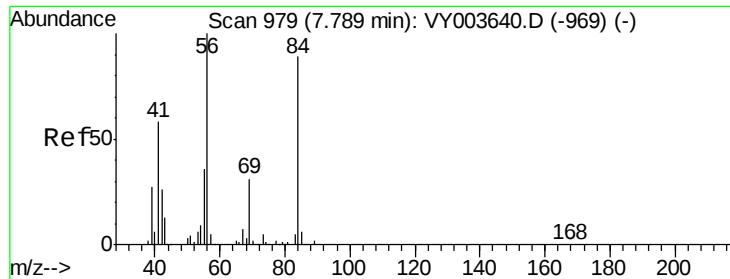
98 12.6 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

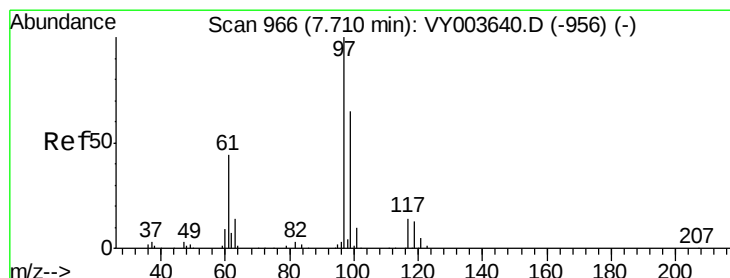
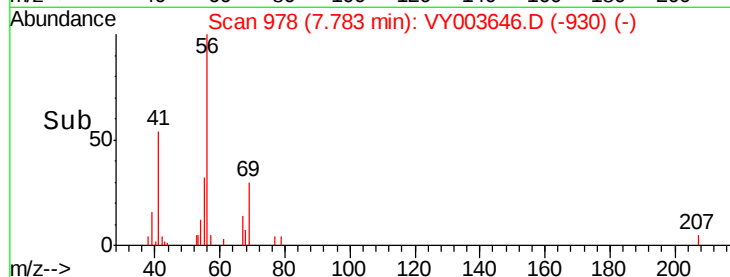
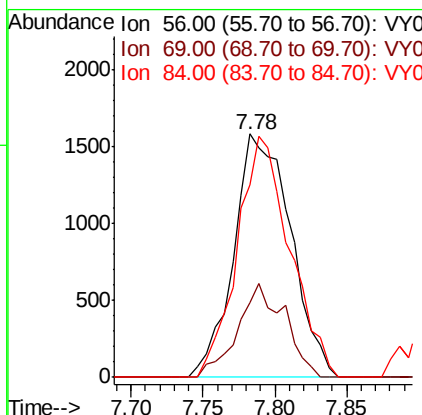
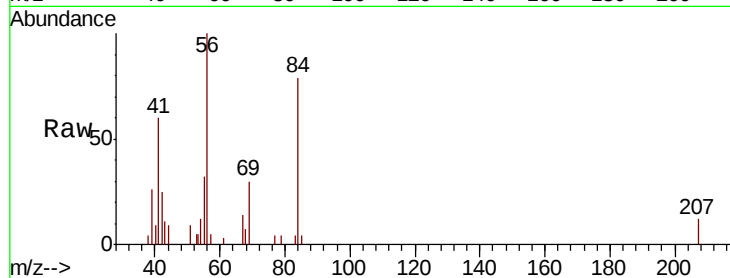




#29
Cyclohexane
Concen: 0.947 ug/L
RT: 7.78 min Scan# 978
Delta R.T. -0.01 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

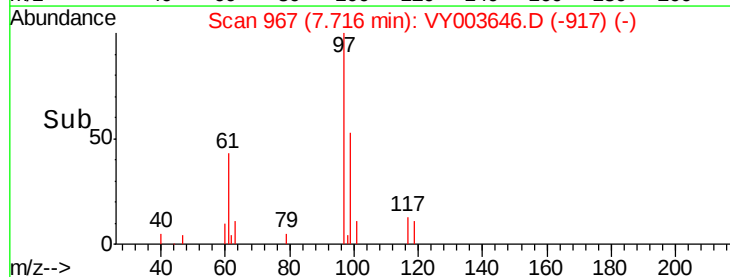
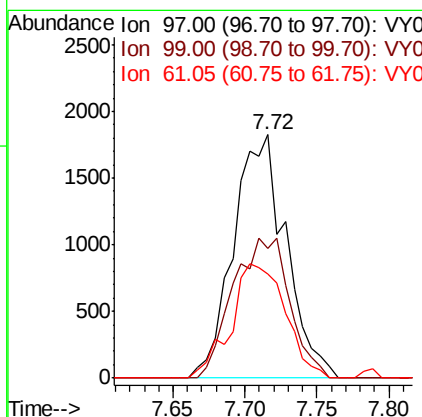
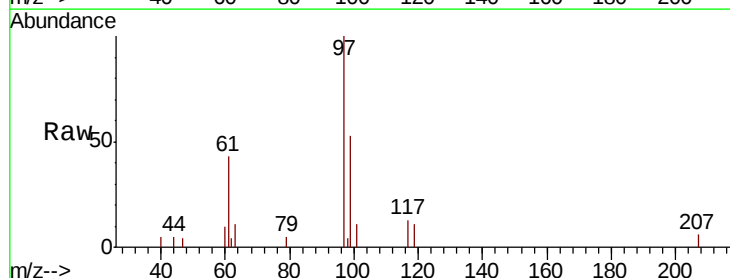
Instrument :
MSVOA_Y
ClientSampled :
MDL02

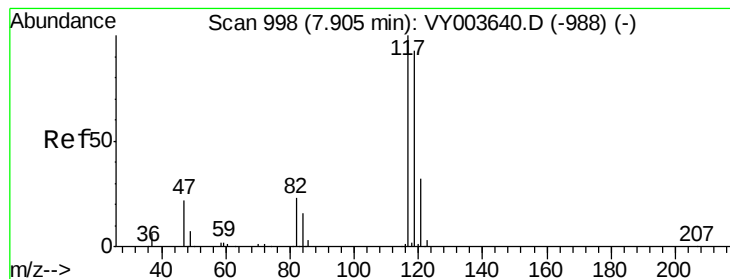
Tot Ion: 56 Resp: 4347
Ion Ratio Lower Upper
56 100
69 24.4 23.9 35.9
84 91.6 71.9 107.9



#30
1,1,1-Trichloroethane
Concen: 1.046 ug/L
RT: 7.72 min Scan# 967
Delta R.T. 0.01 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

Tgt Ion: 97 Resp: 4611
Ion Ratio Lower Upper
97 100
99 62.5 50.6 76.0
61 42.9 34.3 51.5





#31

Carbon tetrachloride

Concen: 0.530 ug/L

RT: 7.90 min Scan# 997

Delta R.T. -0.01 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

Instrument :

MSVOA_Y

ClientSampled :

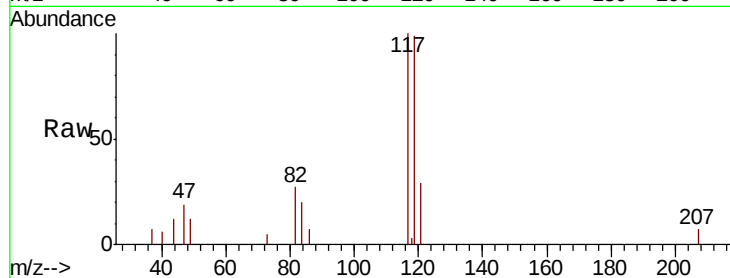
MDL02

Tot Ion:117 Resp: 2109

Ion Ratio Lower Upper

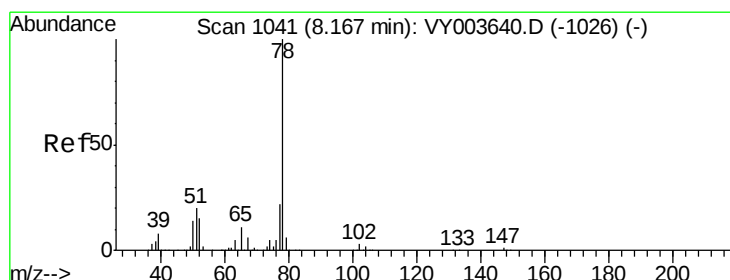
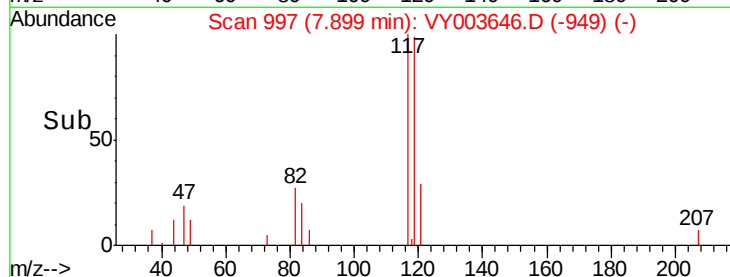
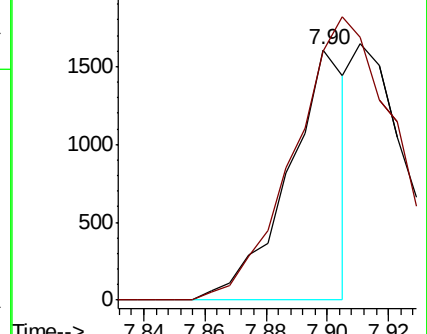
117 100

119 203.9 77.7 116.5#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 1.031 ug/L

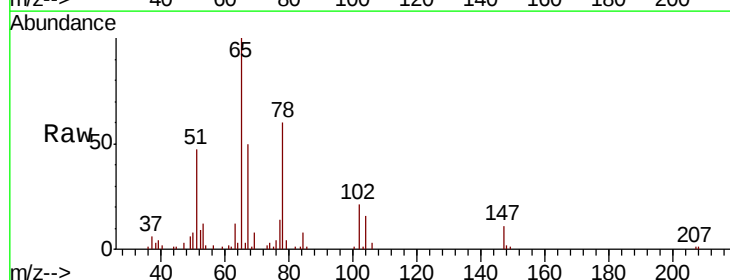
RT: 8.17 min Scan# 1042

Delta R.T. 0.01 min

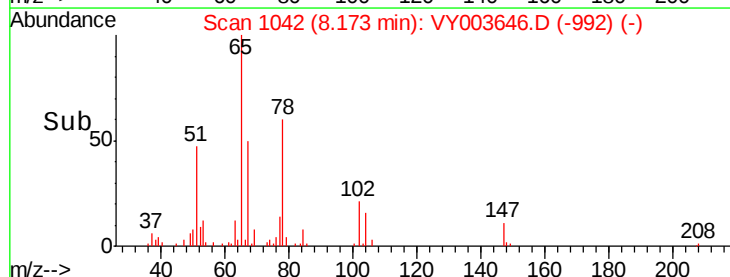
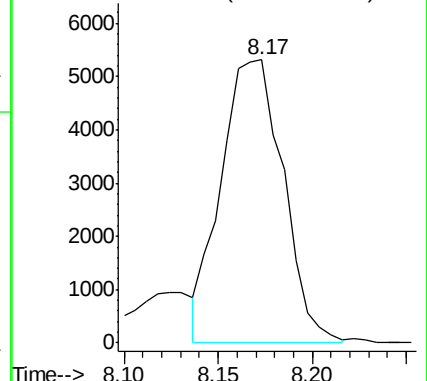
Lab File: VY003646.D

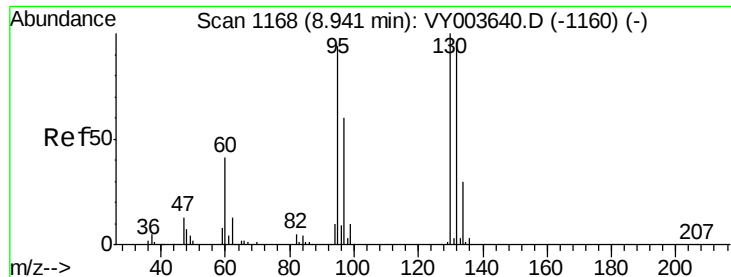
Acq: 02 Dec 2020 12:43

Tgt Ion: 78 Resp: 12186



Abundance Ion 78.00 (77.70 to 78.70): VY0

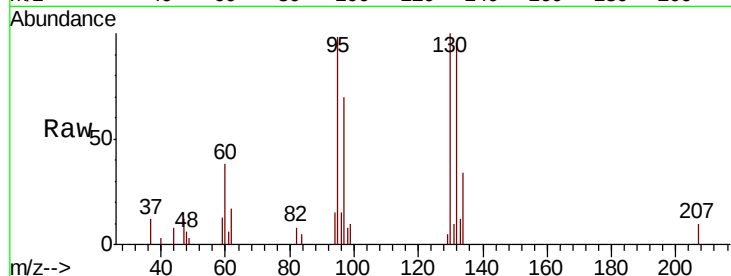




#34
 Trichloroethene
 Concen: 1.050 ug/L
 RT: 8.94 min Scan# 1168
 Delta R.T. 0.00 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL02

Tot Ion:	95	Resp:	3096
Ion	Ratio	Lower	Upper
95	100		
97	71.1	44.7	83.1
132	96.4	74.7	138.7
130	101.9	76.8	142.6



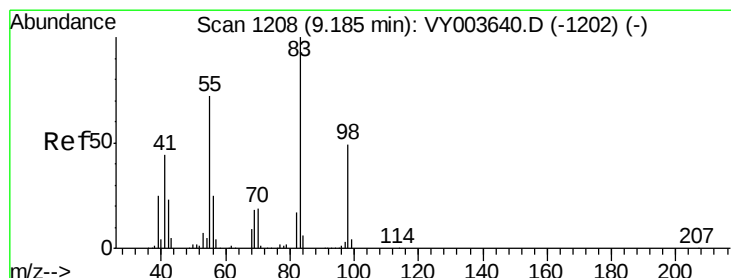
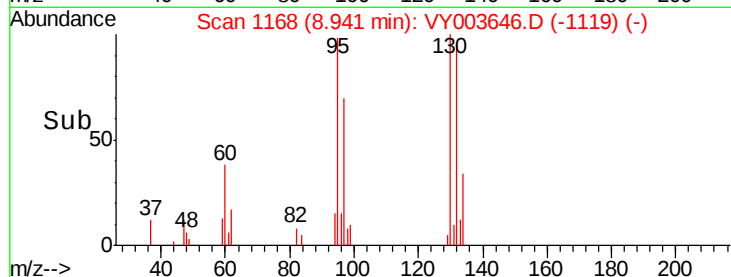
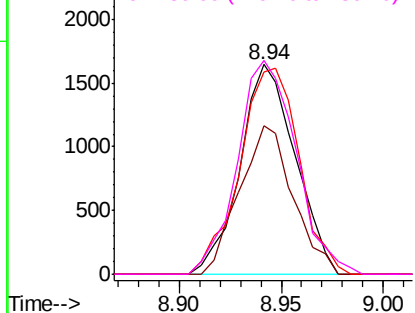
Abundance

Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

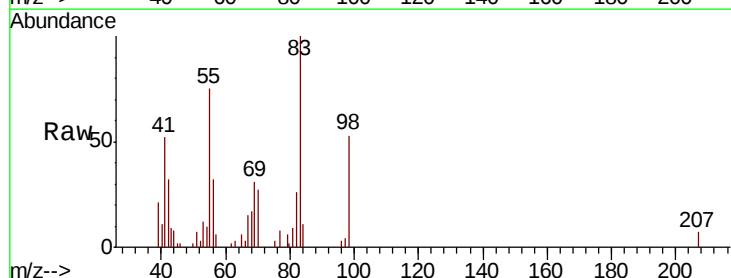
Ion 132.00 (131.70 to 132.70): VY0

Ion 130.00 (129.70 to 130.70): VY0



#35
 Methylcyclohexane
 Concen: 0.918 ug/L
 RT: 9.19 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Tgt Ion:	83	Resp:	4628
Ion	Ratio	Lower	Upper
83	100		
55	80.8	58.3	87.5
98	57.2	39.0	58.6

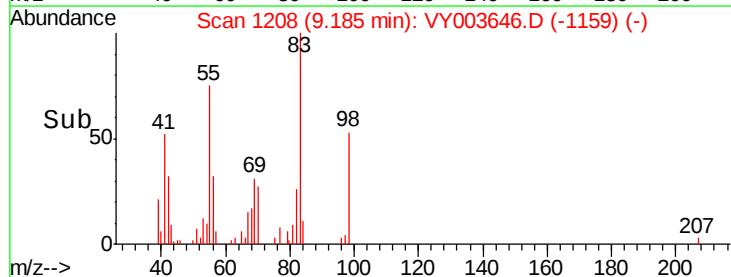
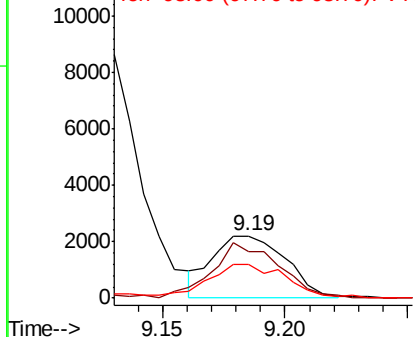


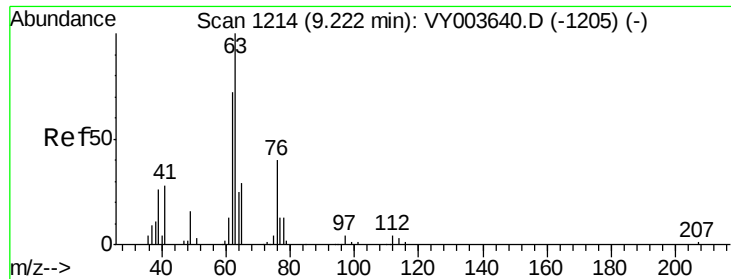
Abundance

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

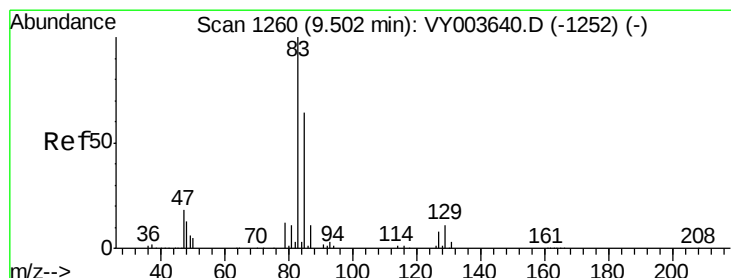
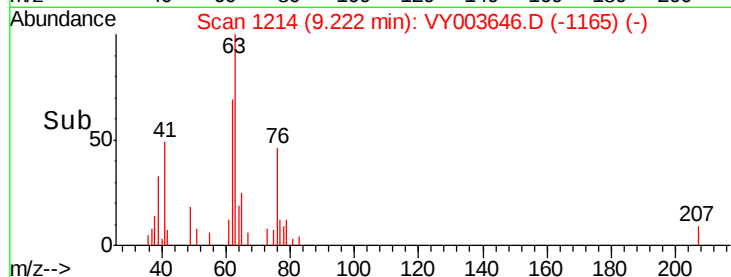
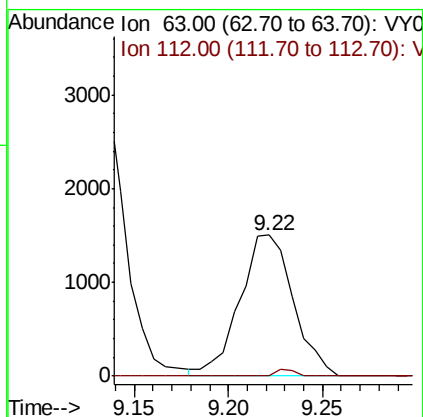
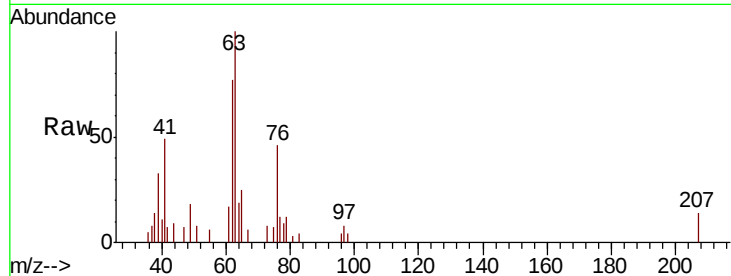




#37
 1,2-Dichloropropane
 Concen: 0.985 ug/L
 RT: 9.22 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

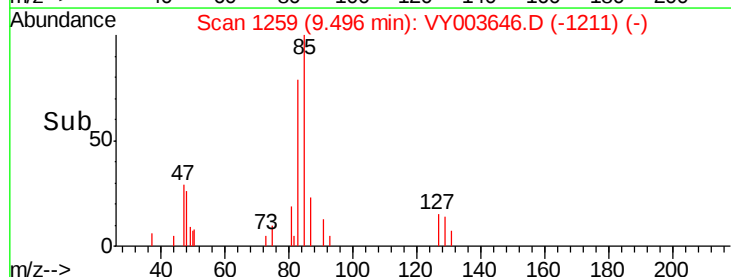
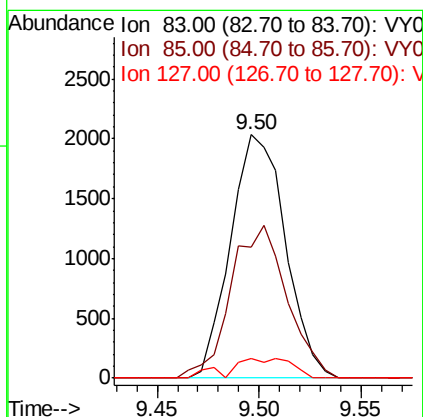
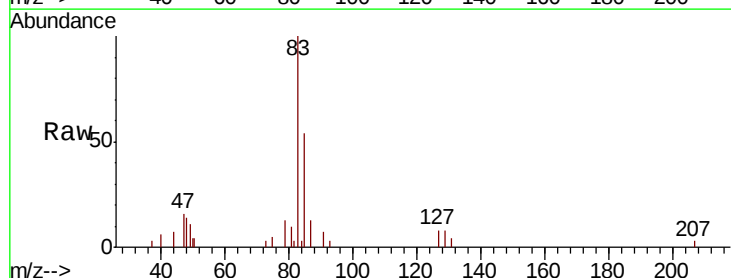
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL02

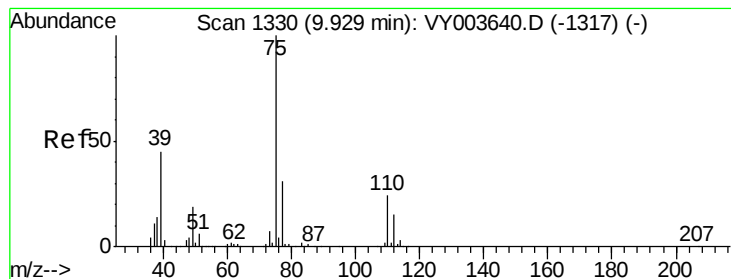
Tot Ion: 63 Resp: 2955
 Ion Ratio Lower Upper
 63 100
 112 1.7 3.7 5.5#



#38
 Bromodichloromethane
 Concen: 1.008 ug/L
 RT: 9.50 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Tgt Ion: 83 Resp: 3805
 Ion Ratio Lower Upper
 83 100
 85 53.7 43.1 80.1
 127 8.0 7.1 10.7



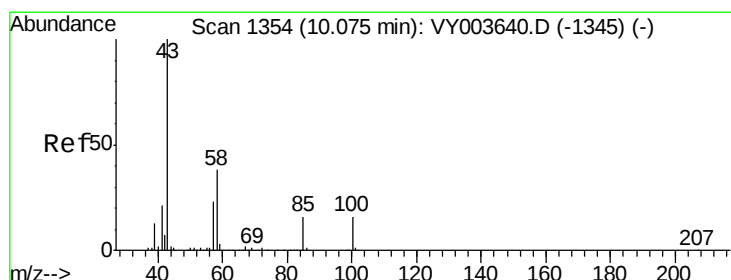
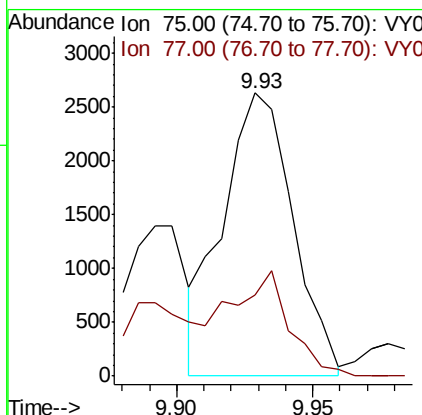
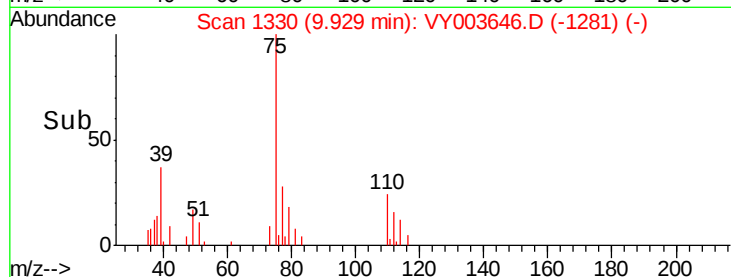
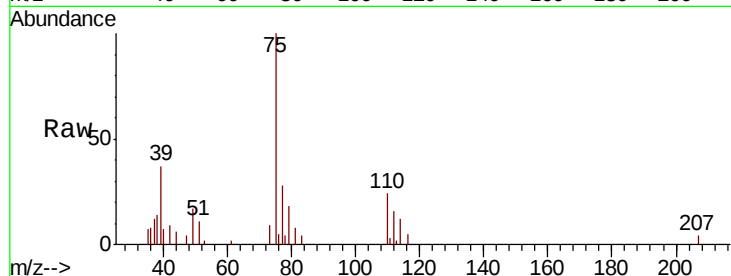


#39

cis-1,3-Dichloropropene
 Concen: 1.016 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

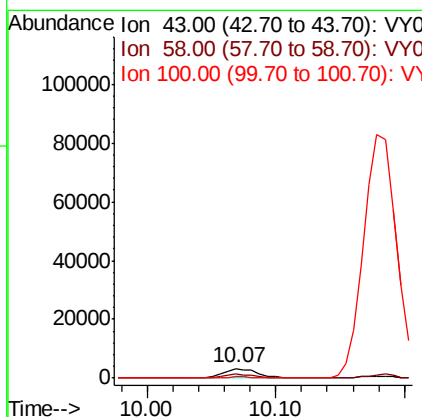
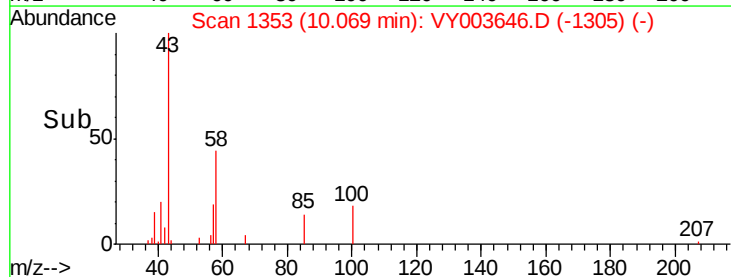
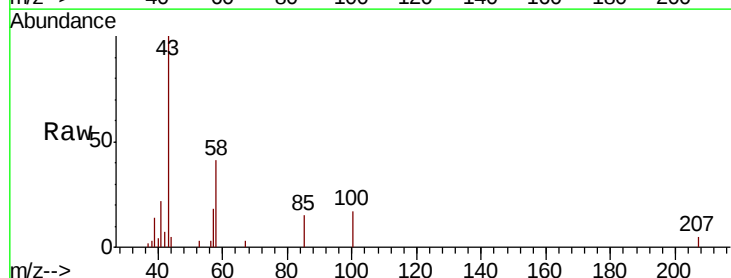
Tot Ion: 75 Resp: 4707
 Ion Ratio Lower Upper
 75 100
 77 28.5 23.5 43.7

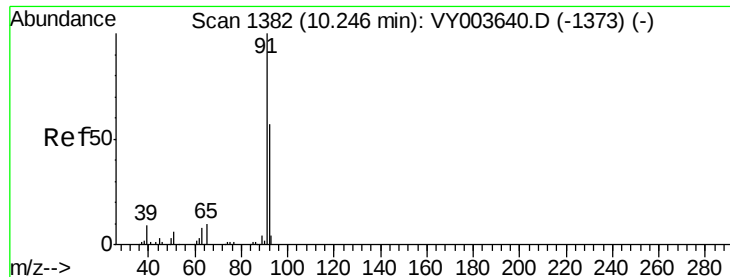


#40

4-Methyl-2-pentanone
 Concen: 2.366 ug/L
 RT: 10.07 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Tgt Ion: 43 Resp: 6233
 Ion Ratio Lower Upper
 43 100
 58 36.2 30.7 46.1
 100 15.9 12.1 18.1





#42

Toluene

Concen: 1.051 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

Instrument :

MSVOA_Y

ClientSampled :

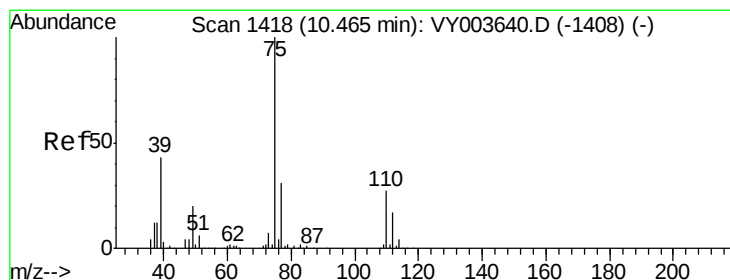
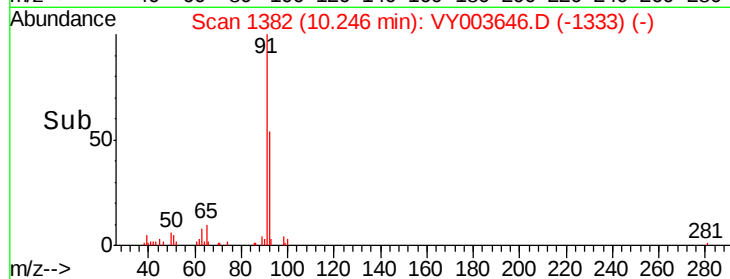
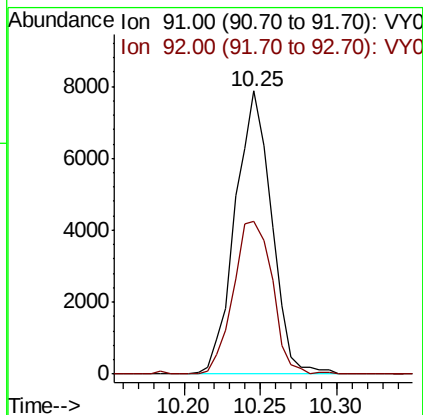
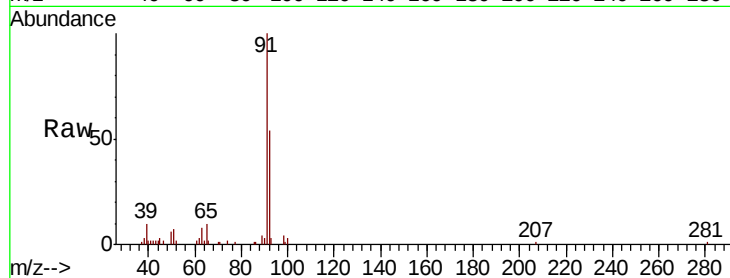
MDL02

Tot Ion: 91 Resp: 13045

Ion Ratio Lower Upper

91 100

92 53.9 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 1.410 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003646.D

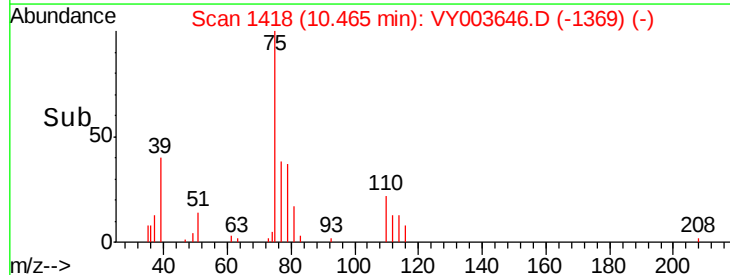
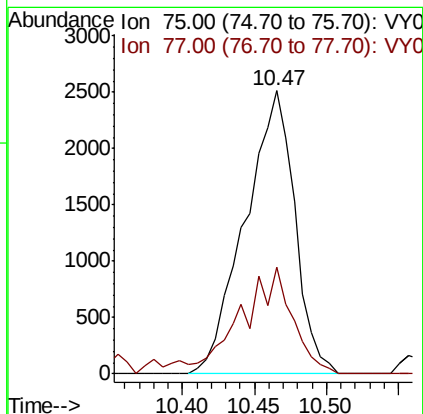
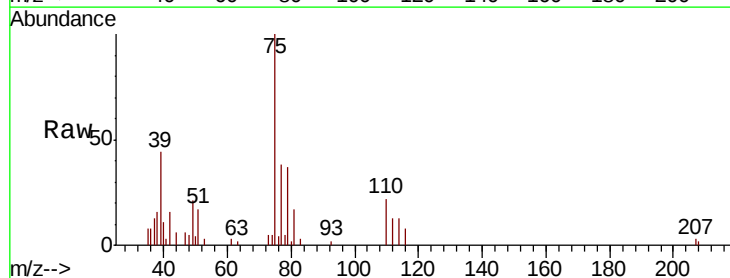
Acq: 02 Dec 2020 12:43

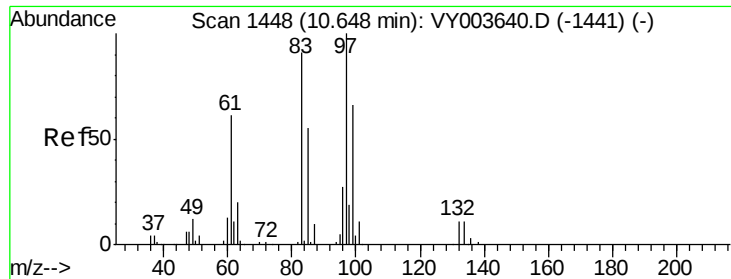
Tgt Ion: 75 Resp: 6031

Ion Ratio Lower Upper

75 100

77 37.5 22.9 42.5

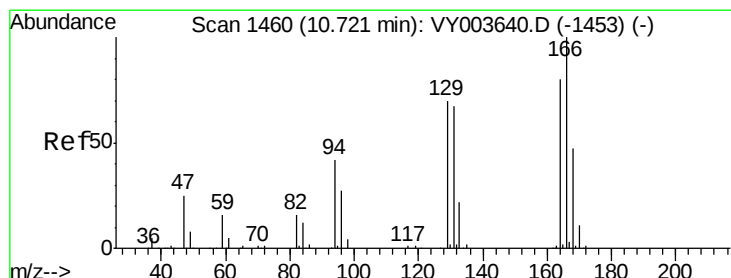
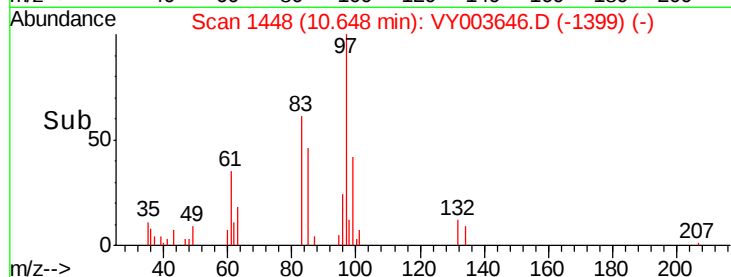
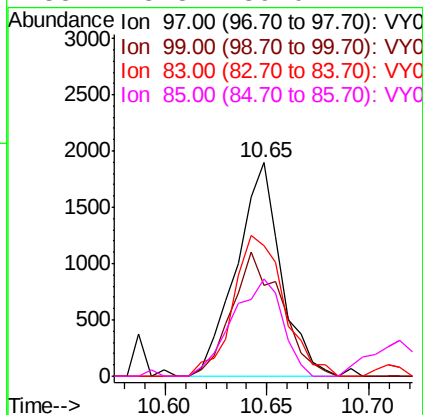
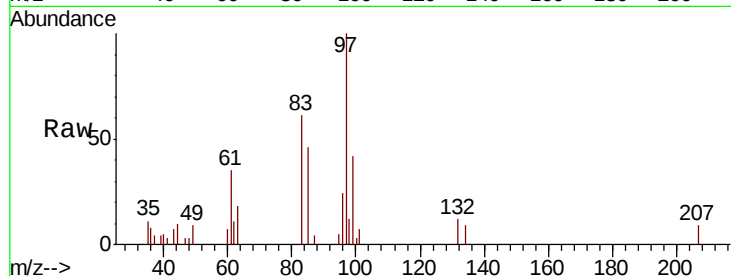




#45
1,1,2-Trichloroethane
Concen: 1.145 ug/L
RT: 10.65 min Scan# 1448
Delta R.T. 0.00 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

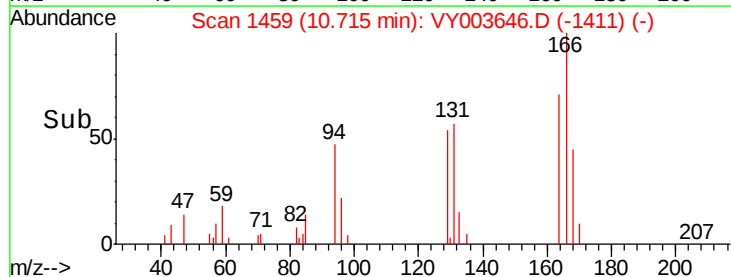
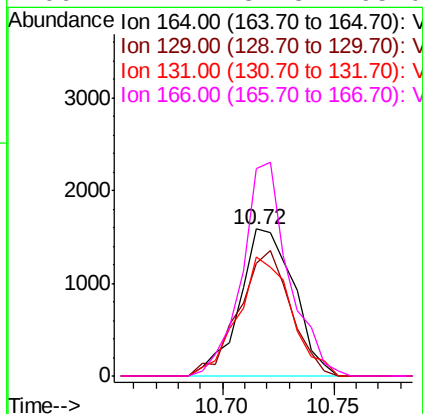
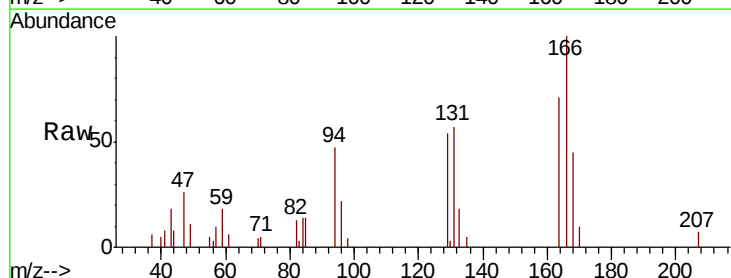
Instrument :
MSVOA_Y
ClientSampled :
MDL02

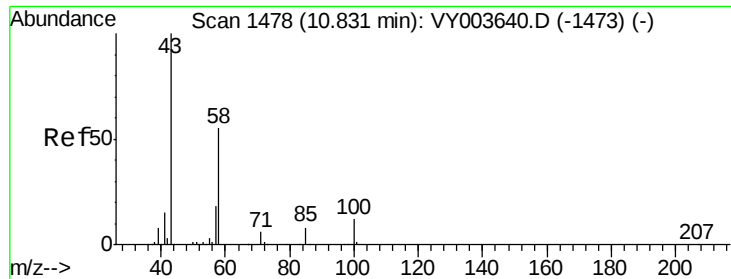
Tot Ion: 97 Resp: 2884
Ion Ratio Lower Upper
97 100
99 42.5 45.1 83.9#
83 61.4 59.7 110.9
85 45.8 39.0 72.4



#46
Tetrachloroethene
Concen: 1.066 ug/L
RT: 10.72 min Scan# 1459
Delta R.T. -0.01 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

Tgt Ion: 164 Resp: 2692
Ion Ratio Lower Upper
164 100
129 81.0 58.9 109.5
131 80.6 59.0 109.6
166 141.2 87.8 163.0

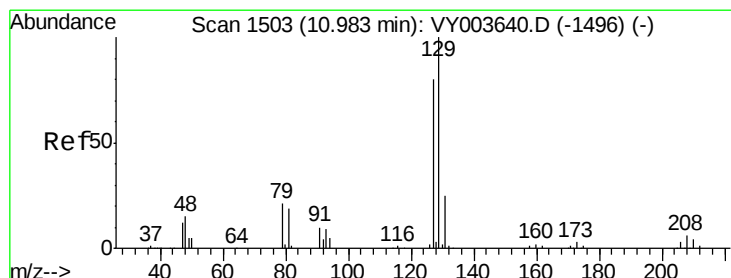
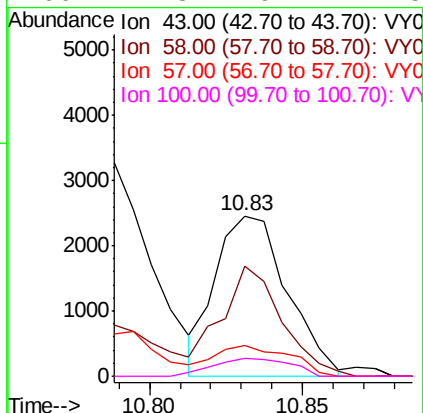
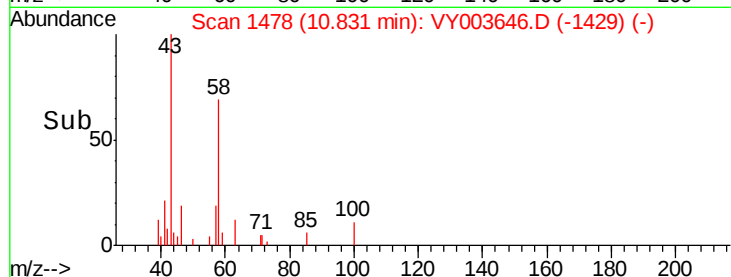
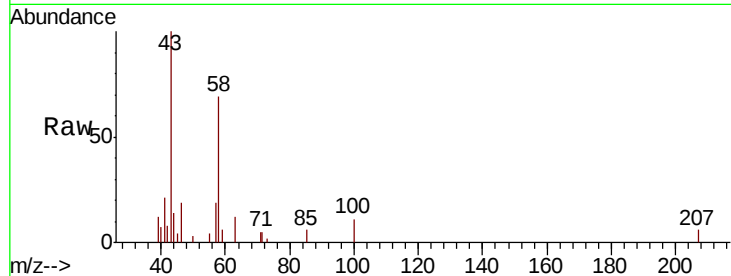




#48
2-Hexanone
Concen: 2.088 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

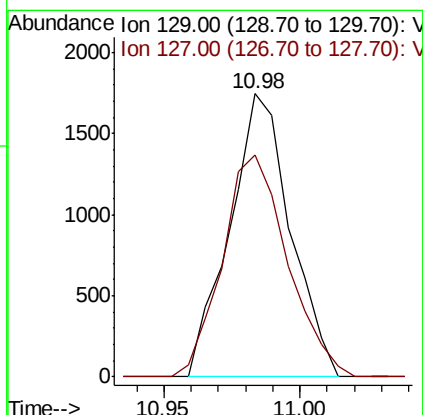
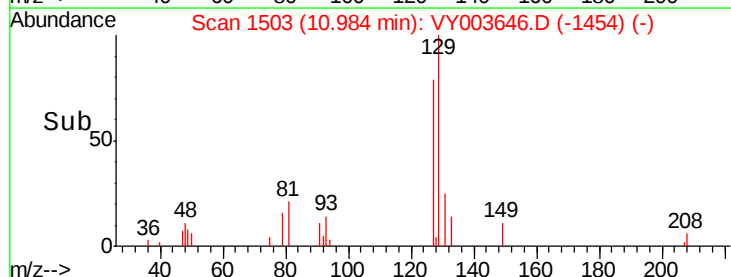
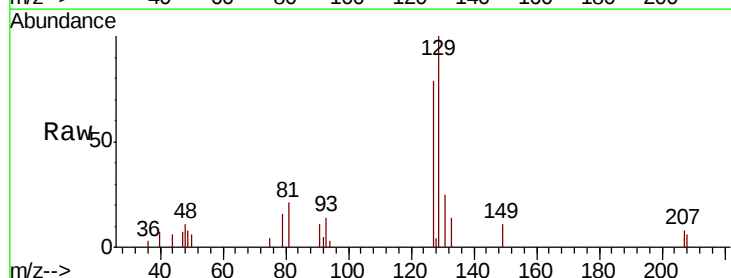
Instrument :
MSVOA_Y
ClientSampled :
MDL02

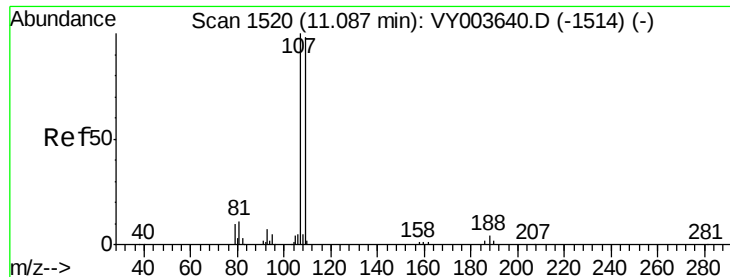
Tot Ion: 43 Resp: 4014
Ion Ratio Lower Upper
43 100
58 58.2 43.0 64.6
57 20.2 14.6 21.8
100 11.8 9.7 14.5



#49
Dibromochloromethane
Concen: 0.931 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. 0.00 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

Tgt Ion: 129 Resp: 2711
Ion Ratio Lower Upper
129 100
127 78.5 55.0 102.2

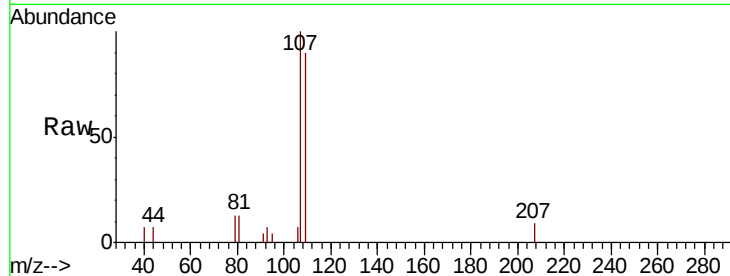




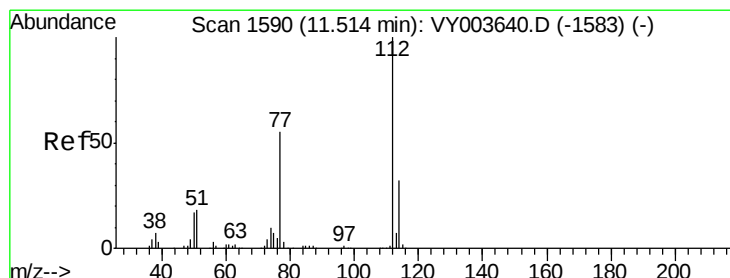
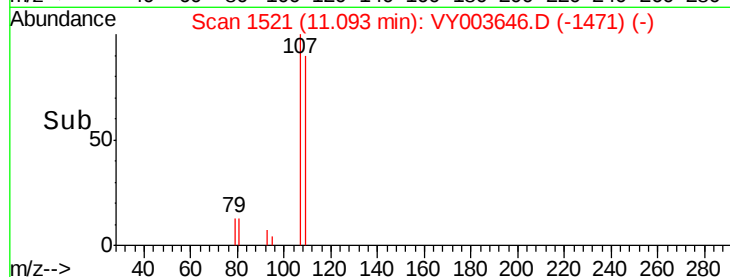
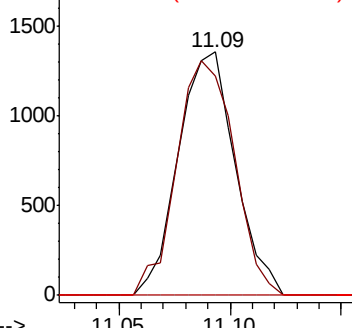
#50
1,2-Dibromoethane
Concen: 0.988 ug/L
RT: 11.09 min Scan# 1521
Delta R.T. 0.01 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Tot Ion:107 Resp: 2408
Ion Ratio Lower Upper
107 100
109 90.0 65.5 121.7
188 0.0 3.8 5.8#

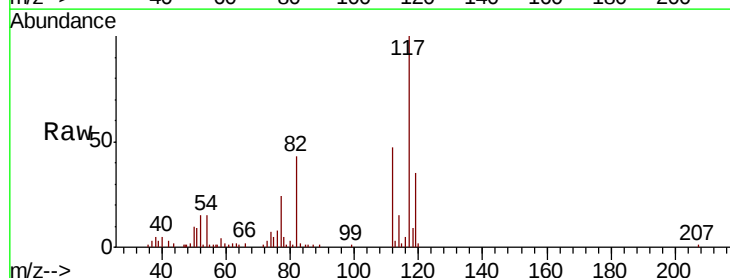


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

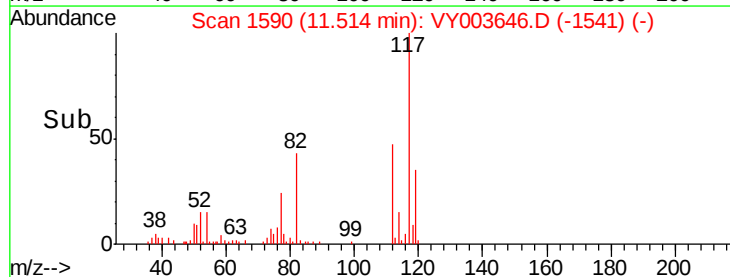
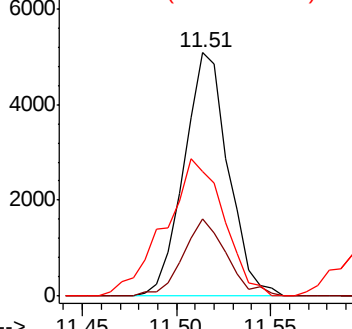


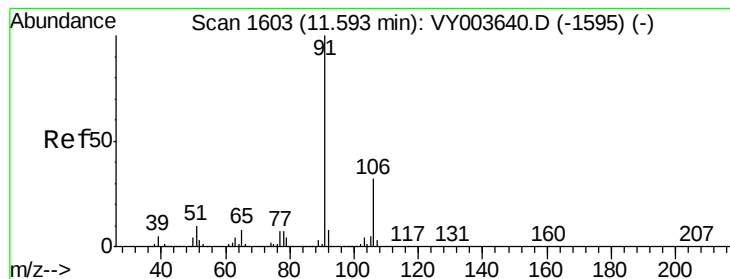
#51
Chlorobenzene
Concen: 1.035 ug/L
RT: 11.51 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

Tgt Ion:112 Resp: 8277
Ion Ratio Lower Upper
112 100
114 31.6 22.2 41.2
77 51.2 43.8 65.6



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VY0





#52

Ethylbenzene

Concen: 1.005 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

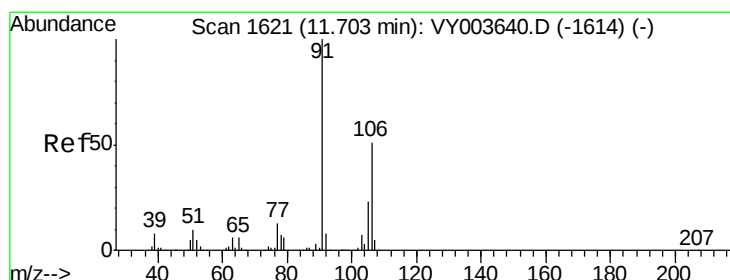
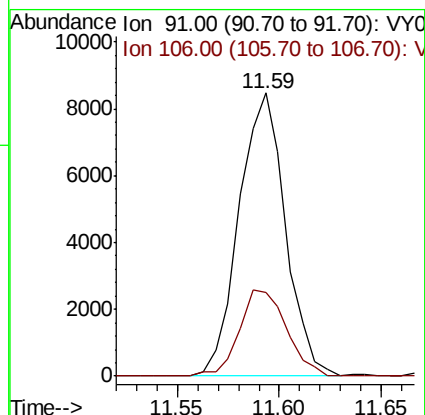
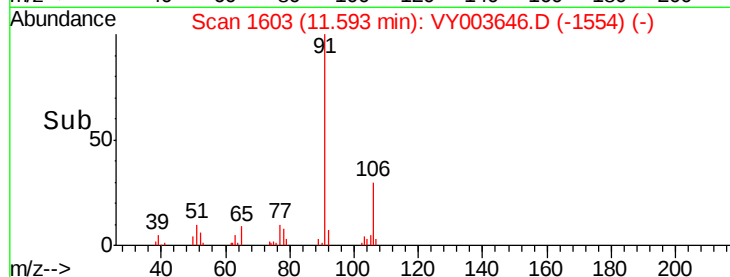
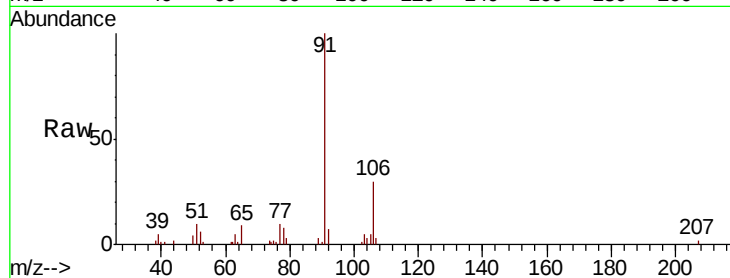
MDL02

Tot Ion: 91 Resp: 13352

Ion Ratio Lower Upper

91 100

106 29.8 22.8 42.4



#53

m,p-Xylene

Concen: 0.915 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VY003646.D

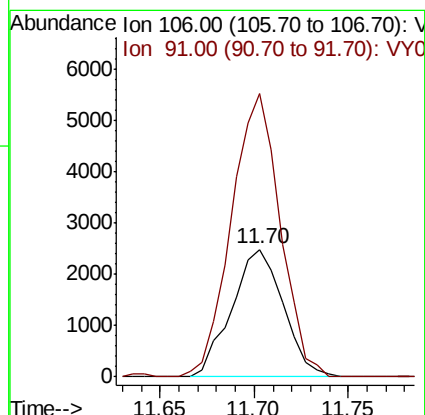
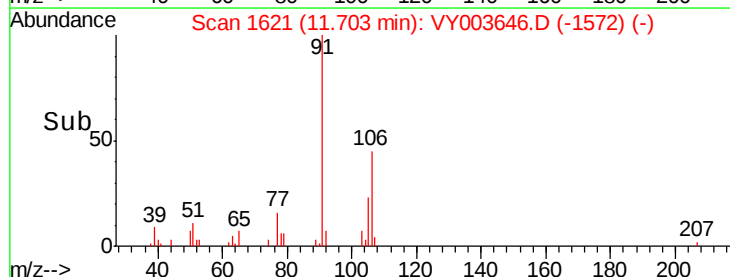
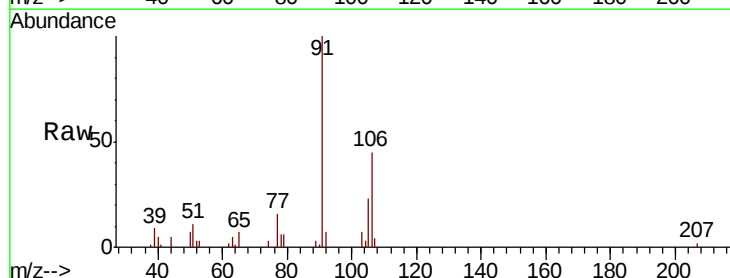
Acq: 02 Dec 2020 12:43

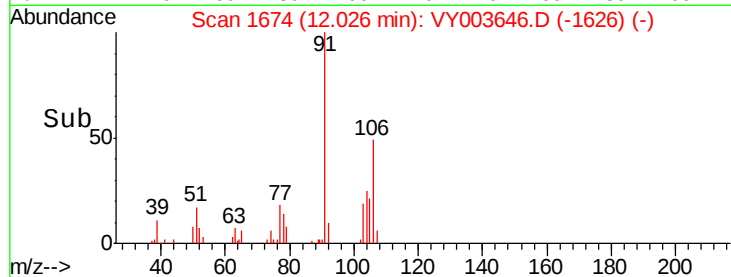
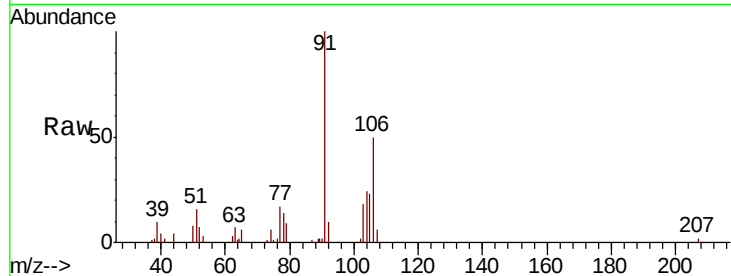
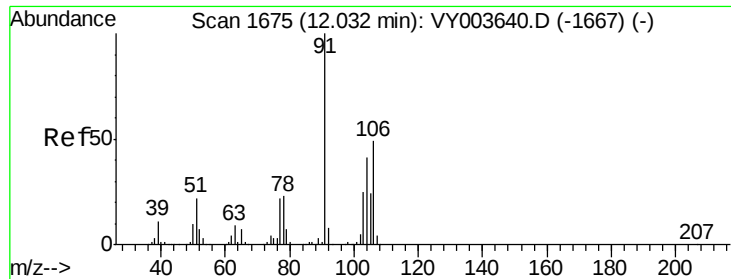
Tgt Ion: 106 Resp: 4754

Ion Ratio Lower Upper

106 100

91 222.4 133.1 247.3

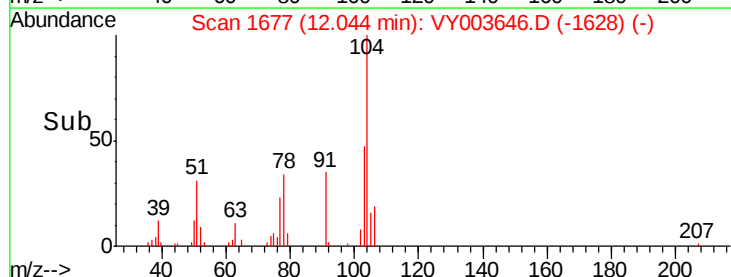
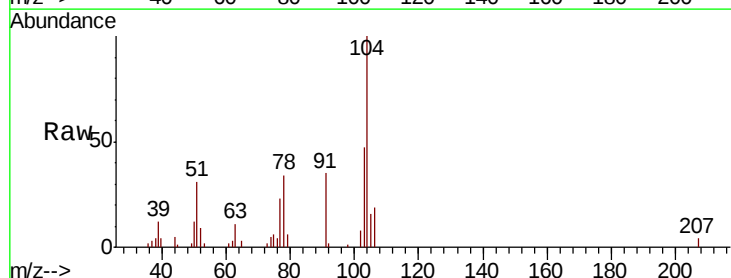
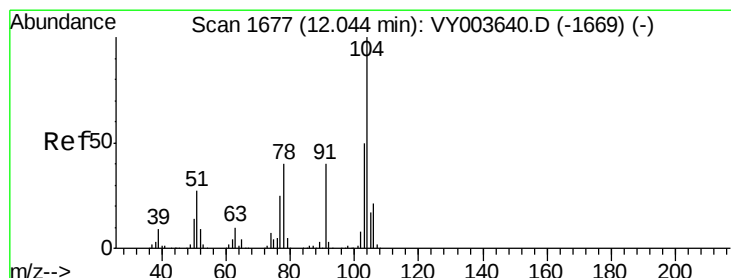
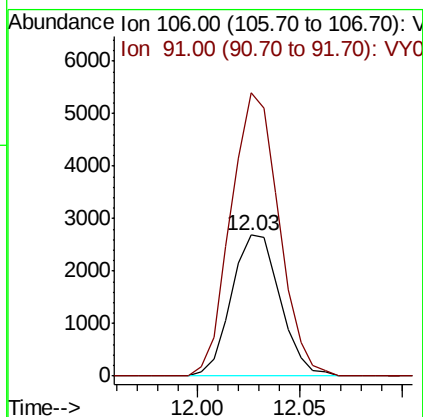




#54
o-Xylene
Concen: 0.907 ug/L
RT: 12.03 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

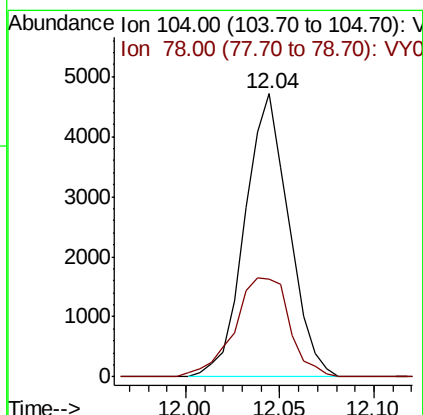
Instrument :
MSVOA_Y
ClientSampled :
MDL02

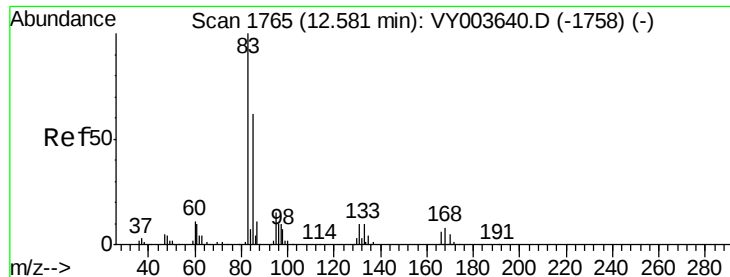
Tot Ion:106 Resp: 4451
Ion Ratio Lower Upper
106 100
91 200.9 144.1 267.5



#55
Styrene
Concen: 0.908 ug/L
RT: 12.04 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

Tgt Ion:104 Resp: 7619
Ion Ratio Lower Upper
104 100
78 34.3 27.6 51.4

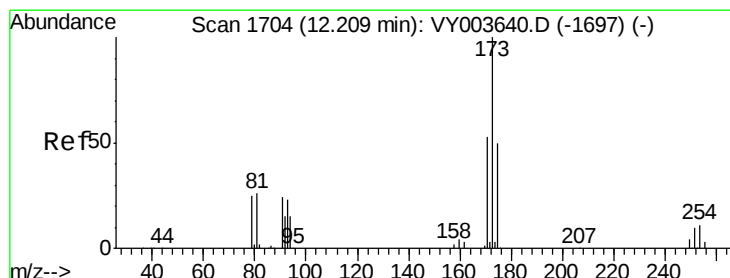
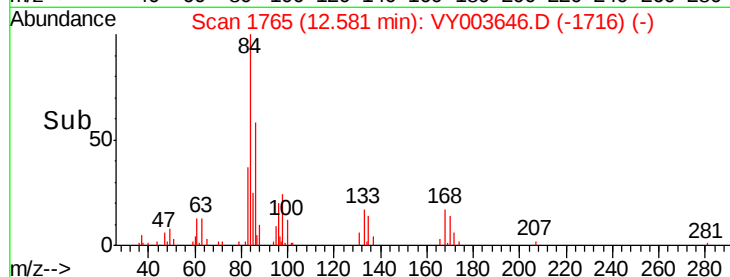
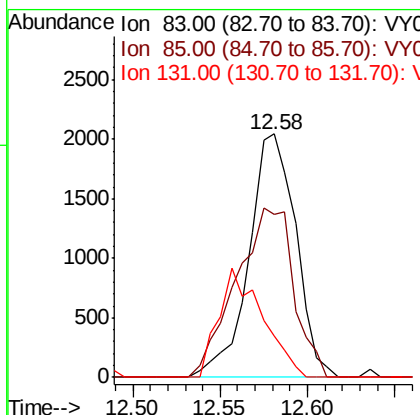
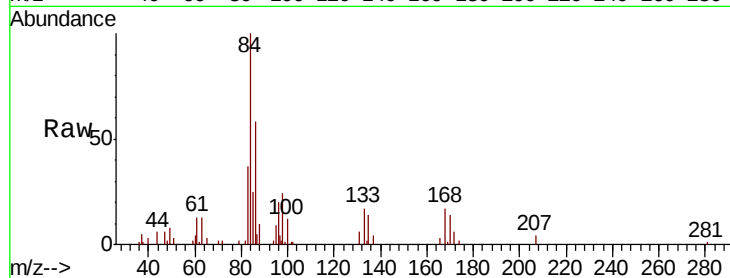




#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.140 ug/L
 RT: 12.58 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

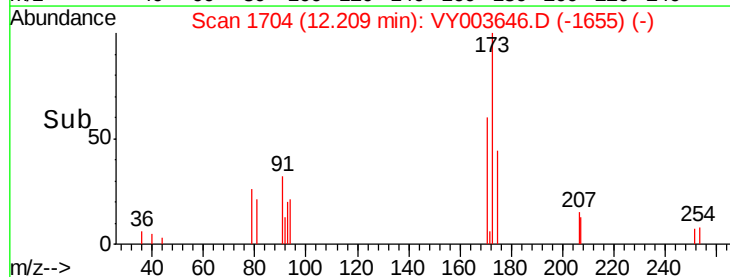
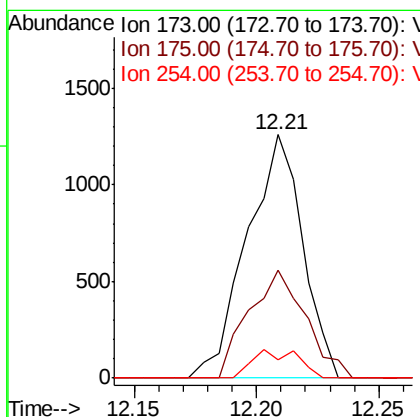
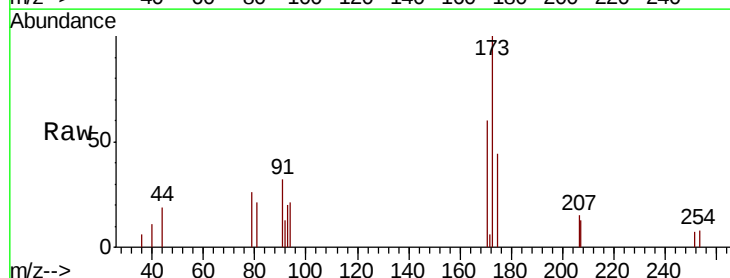
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

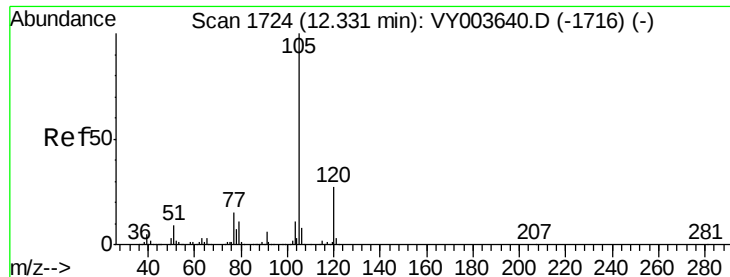
Tot Ion: 83 Resp: 3807
 Ion Ratio Lower Upper
 83 100
 85 66.7 46.1 85.7
 131 17.2 8.1 12.1#



#59
 Bromoform
 Concen: 1.106 ug/L
 RT: 12.21 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Tgt Ion: 173 Resp: 1986
 Ion Ratio Lower Upper
 173 100
 175 45.4 38.2 57.4
 254 9.5 8.0 12.0





#60

Isopropylbenzene

Concen: 0.945 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. 0.00 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

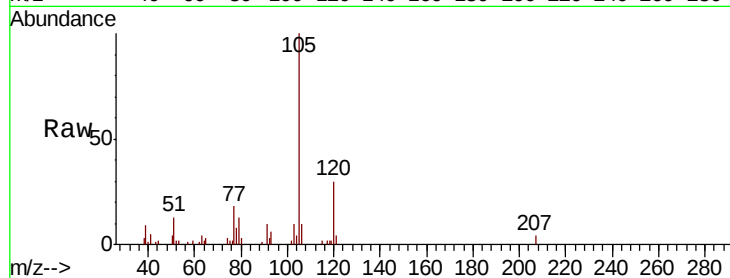
Tot Ion:105 Resp: 11049

Ion Ratio Lower Upper

105 100

120 26.1 22.0 33.0

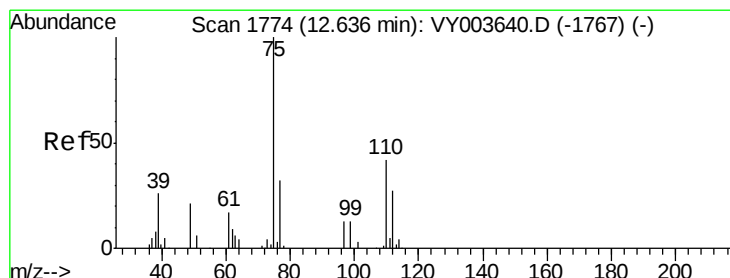
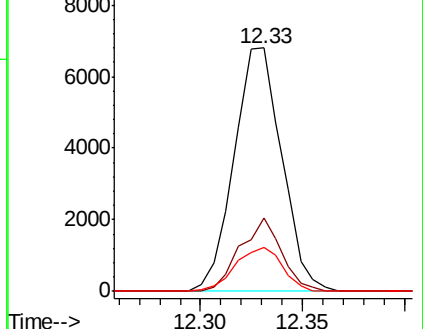
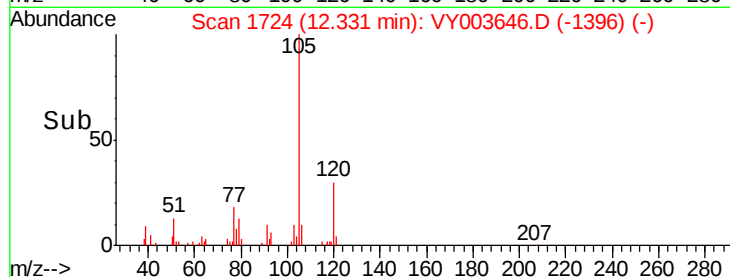
77 18.0 12.1 18.1



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: 1.077 ug/L

RT: 12.64 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

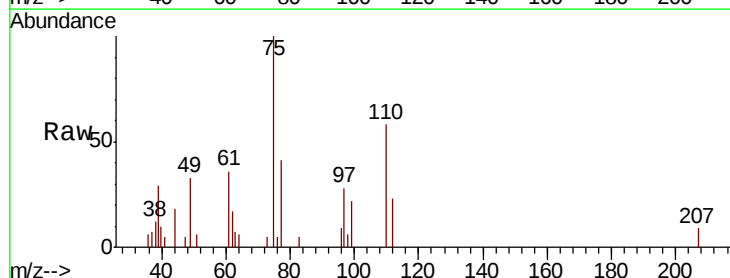
Tgt Ion: 75 Resp: 2357

Ion Ratio Lower Upper

75 100

77 39.4 26.3 39.5

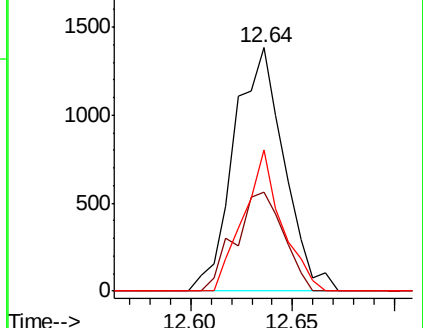
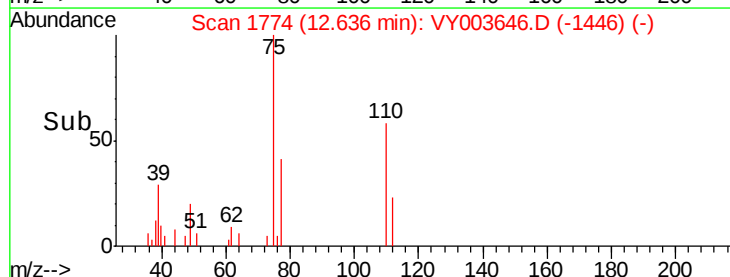
110 44.4 33.0 49.4

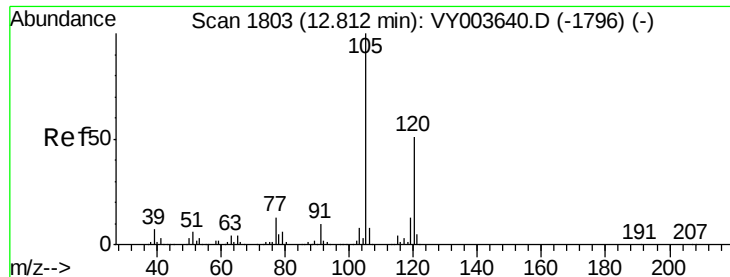


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 0.923 ug/L

RT: 12.81 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

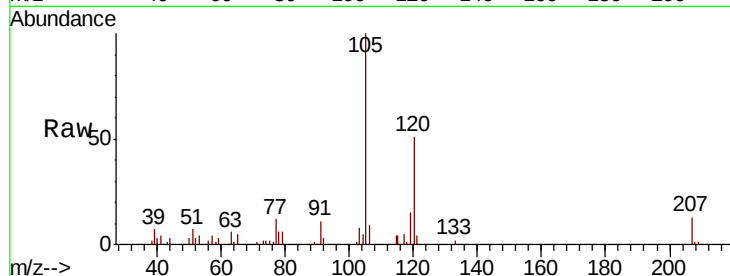
MDL02

Tot Ion:105 Resp: 8557

Ion Ratio Lower Upper

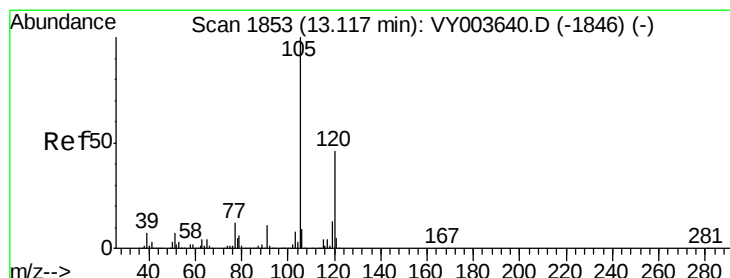
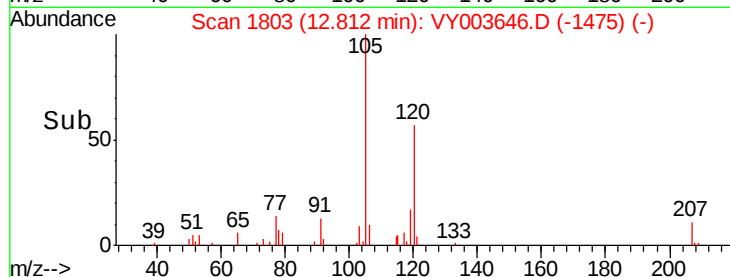
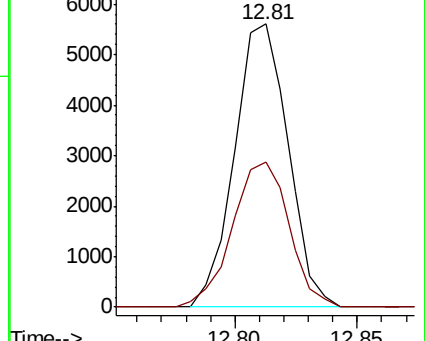
105 100

120 54.3 40.4 60.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 0.882 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VY003646.D

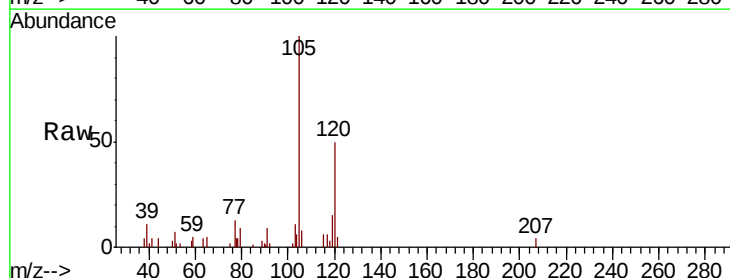
Acq: 02 Dec 2020 12:43

Tgt Ion:105 Resp: 8082

Ion Ratio Lower Upper

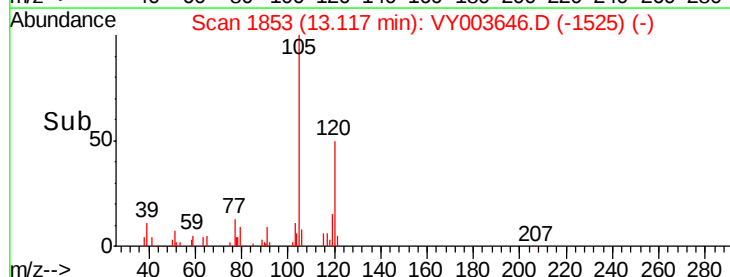
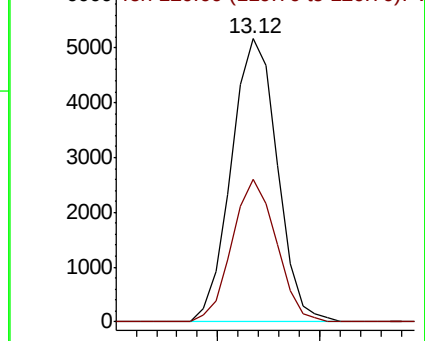
105 100

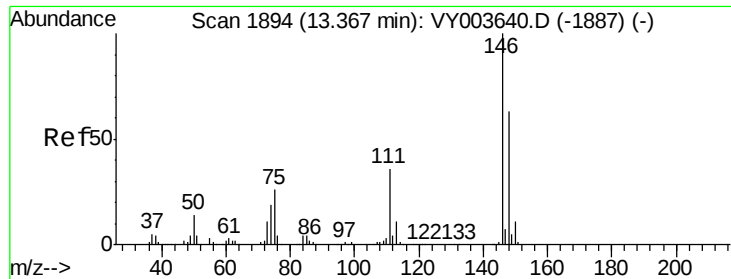
120 48.7 38.0 57.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 1.028 ug/L

RT: 13.36 min Scan# 1893

Delta R.T. -0.01 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

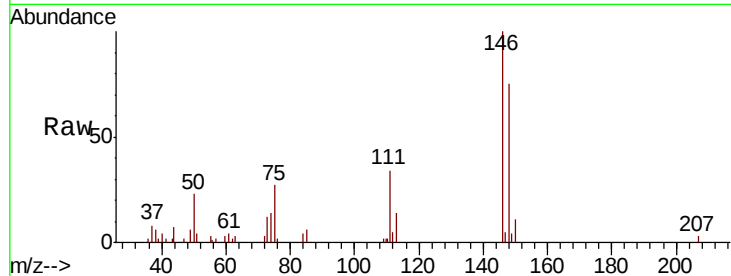
Tot Ion:146 Resp: 5820

Ion Ratio Lower Upper

146 100

111 33.5 26.6 49.4

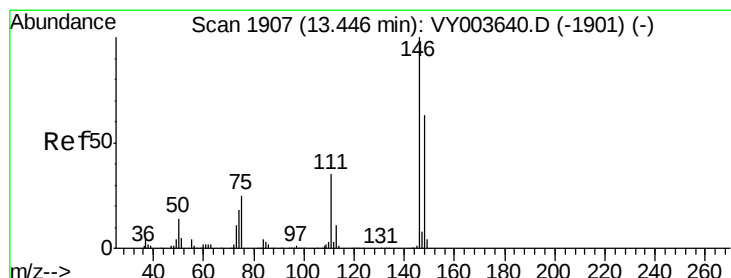
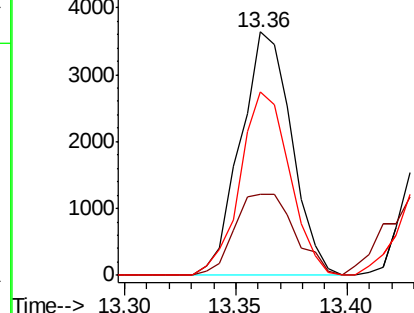
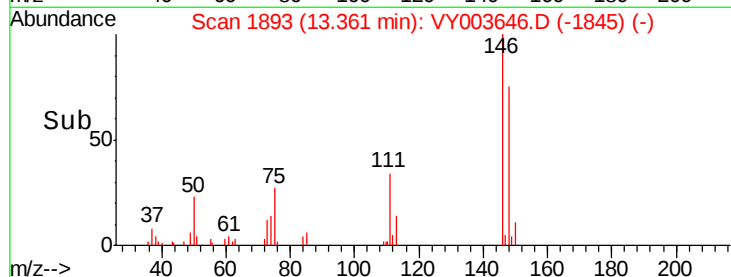
148 75.1 46.3 86.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 1.132 ug/L

RT: 13.44 min Scan# 1906

Delta R.T. -0.01 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

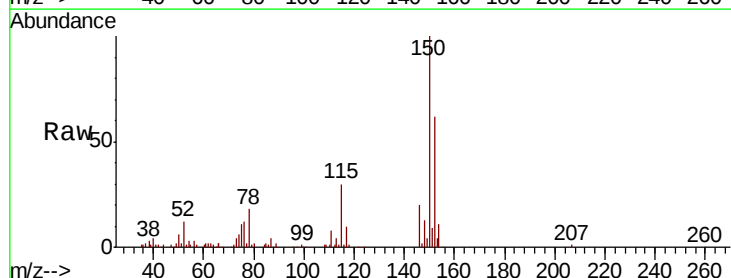
Tgt Ion:146 Resp: 6508

Ion Ratio Lower Upper

146 100

111 38.6 24.7 45.9

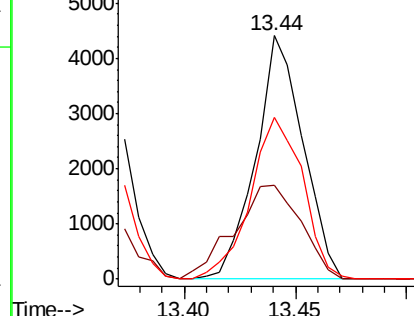
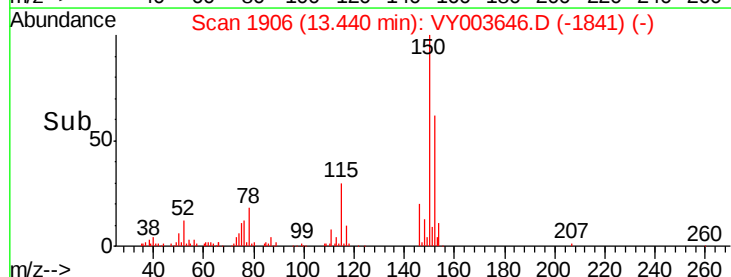
148 66.2 43.4 80.6

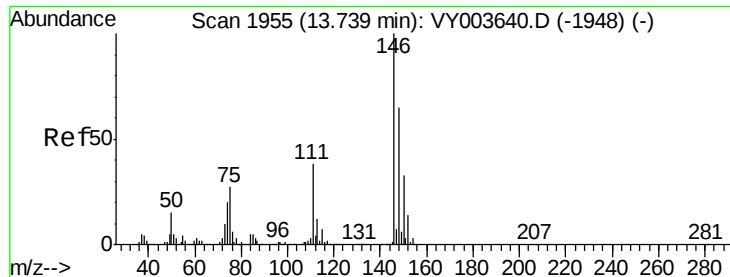


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dichlorobenzene

Concen: 1.108 ug/L

RT: 13.73 min Scan# 1954

Delta R.T. -0.01 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

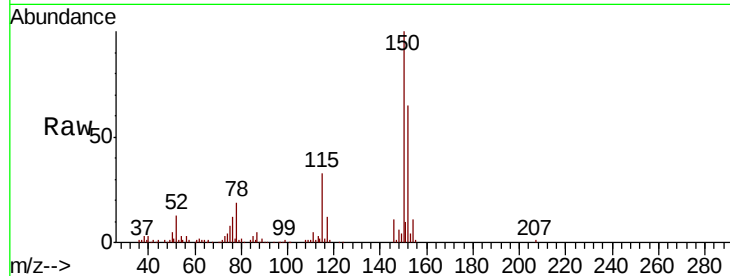
Tot Ion:146 Resp: 5889

Ion Ratio Lower Upper

146 100

111 43.6 31.0 46.6

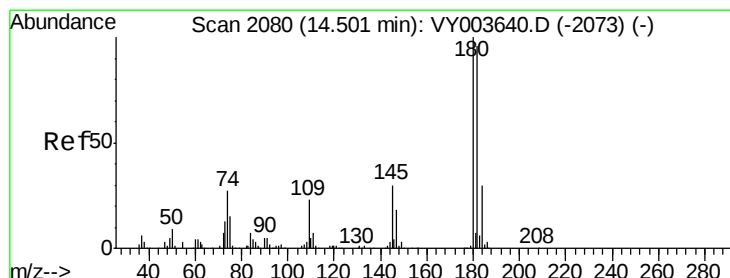
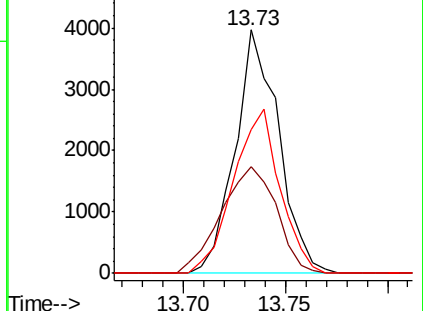
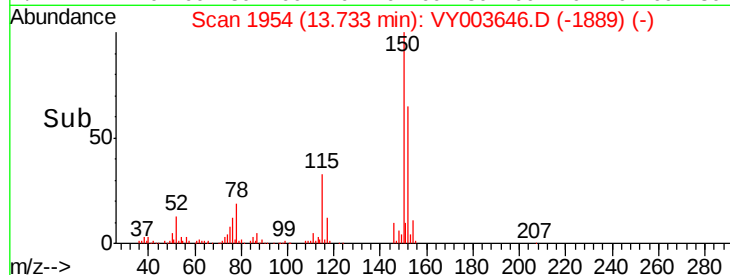
148 58.9 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#69

1,3,5-Trichlorobenzene

Concen: 1.056 ug/L

RT: 14.50 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

Tgt Ion:180 Resp: 4199

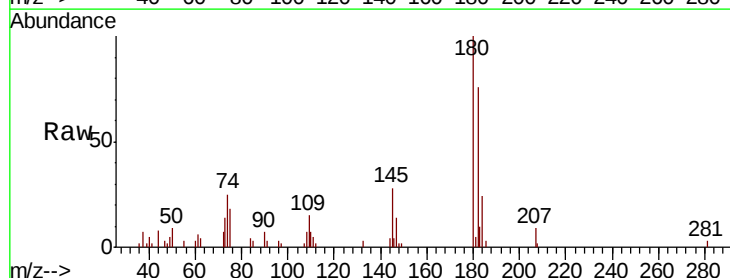
Ion Ratio Lower Upper

180 100

182 86.7 75.4 113.0

184 26.2 24.1 36.1

145 29.6 22.4 33.6

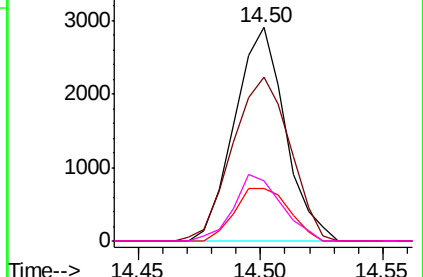
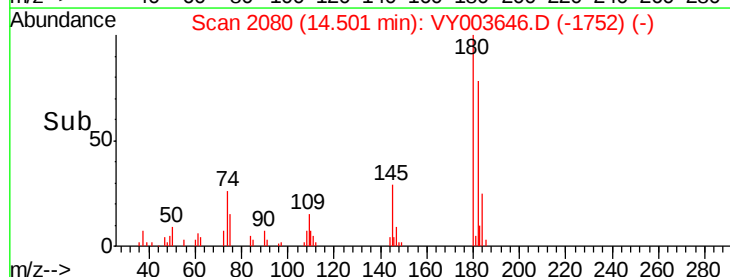


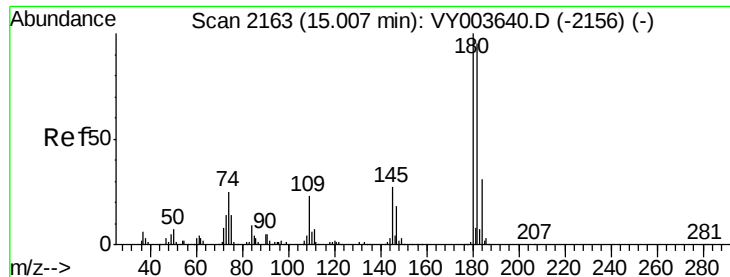
Abundance Ion 180.00 (179.70 to 180.70): V

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

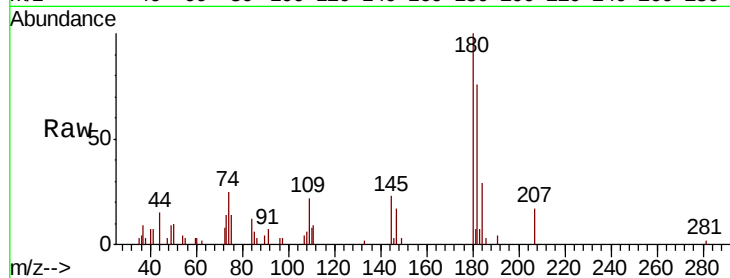




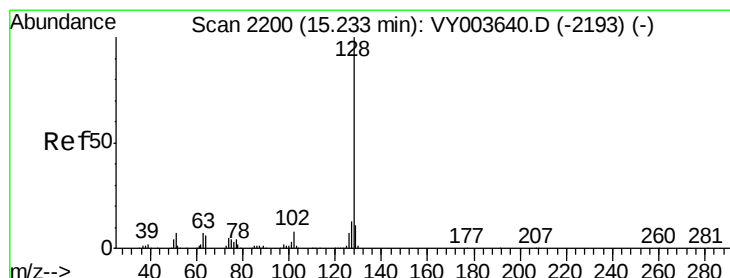
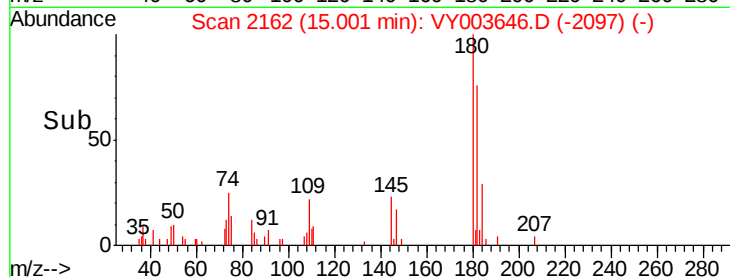
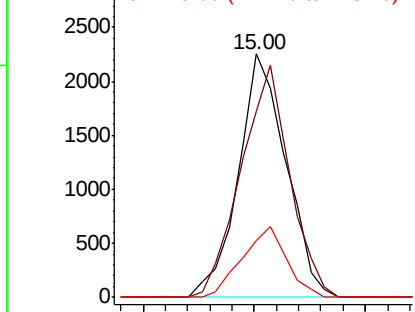
#70
 1,2,4-trichlorobenzene
 Concen: 0.993 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. -0.01 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Tot Ion	180	182	145	Resp	3361	Lower	Upper
Ion	100	97.1	27.0				
Ratio						76.1	114.1
						22.8	34.2

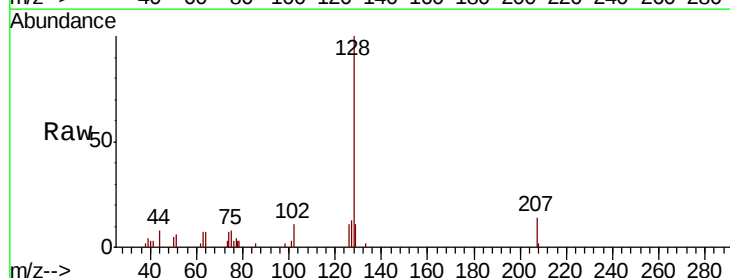


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

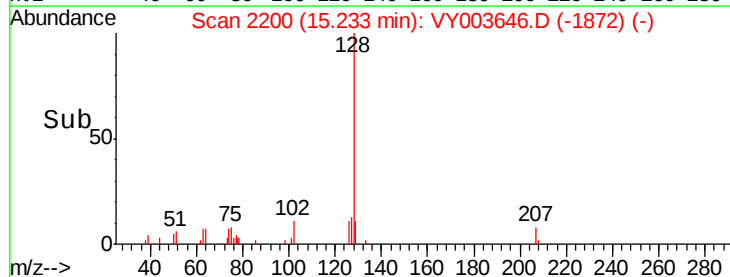
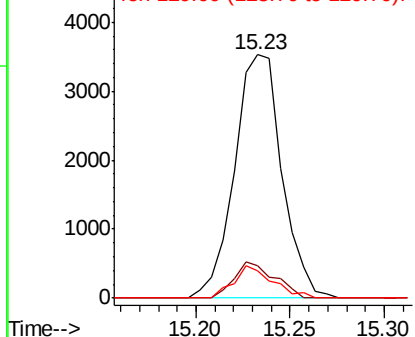


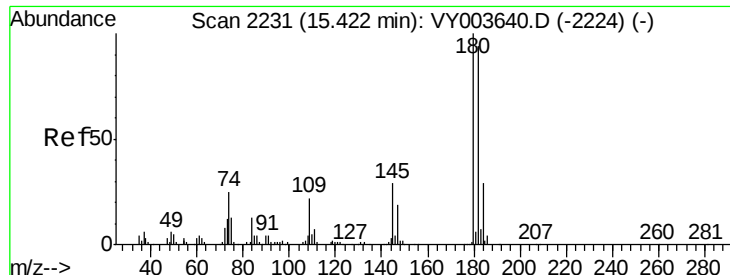
#71
 Naphthalene
 Concen: 0.834 ug/L
 RT: 15.23 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Tgt Ion	128	127	129	Resp	6166	Lower	Upper
Ion	100	12.5	10.9				
Ratio						10.4	15.6
						8.5	12.7



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

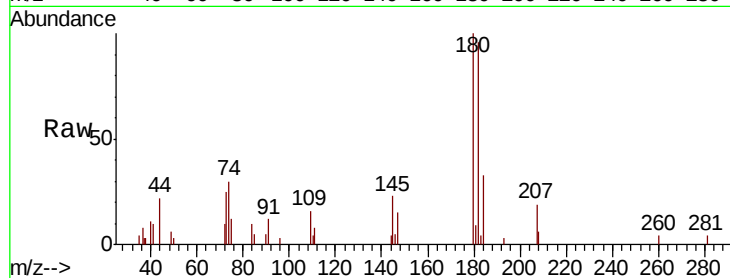




#72
 1,2,3-Trichlorobenzene
 Concen: 0.949 ug/L
 RT: 15.42 min Scan# 2231
 Delta R.T. 0.00 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.2	114.4
145	30.1	23.6	35.4



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

