

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120220\
 Data File : VY003645.D
 Acq On : 02 Dec 2020 12:21
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

Quant Time: Dec 03 01:05:20 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	197145	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	184274	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	88021	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	56959	22.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.44%
7) Chloroethane-d5	2.77	69	46130	23.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.32%
11) 1,1-Dichloroethene-d2	3.86	63	89896	17.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.12%
21) 2-Butanone-d5	6.90	46	57385	51.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.78%
24) Chloroform-d	7.49	84	112835	22.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.24%
26) 1,2-Dichloroethane-d4	8.15	65	62734	23.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.68%
32) Benzene-d6	8.12	84	243781	23.28	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.12%
36) 1,2-Dichloropropane-d6	9.12	67	73165	22.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.76%
41) Toluene-d8	10.18	98	214303	22.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.64%
43) trans-1,3-Dichloropropene-	10.44	79	33026	22.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.48%
47) 2-Hexanone-d5	10.79	63	42305	49.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.28%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	73416	22.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.04%
66) 1,2-Dichlorobenzene-d4	13.72	152	75369	24.13	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	3289	1.437 ug/L	99
3) Chloromethane	2.12	50	3495	1.408 ug/L	97
5) Vinyl chloride	2.26	62	3885	1.459 ug/L #	80
6) Bromomethane	2.66	94	2567	1.540 ug/L	91
9) Trichlorofluoromethane	3.14	101	5885	1.456 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	3648	1.352 ug/L #	50
12) 1,1-Dichloroethene	3.88	96	2757	1.076 ug/L #	1
13) Acetone	3.96	43	2716	3.427 ug/L	85
14) Carbon disulfide	4.21	76	11339	1.339 ug/L	95
15) Methyl Acetate	4.49	43	2736	1.434 ug/L	95
16) Methylene chloride	4.73	84	10327	3.103 ug/L	96
17) trans-1,2-Dichloroethene	5.23	96	3944	1.401 ug/L #	72
18) Methyl tert-butyl Ether	5.23	73	4768	0.693 ug/L #	86
19) 1,1-Dichloroethane	6.02	63	3352	0.707 ug/L	96
20) cis-1,2-Dichloroethene	6.99	96	1999	0.677 ug/L	81
23) Bromochloromethane	7.35	128	1717	1.193 ug/L	82
27) 1,2-Dichloroethane	8.25	62	4361	1.396 ug/L #	95

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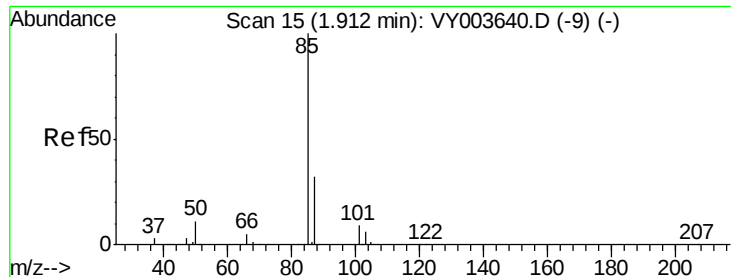
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

Quant Time: Dec 03 01:05:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120120SMA.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

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

29) Cyclohexane	7.79	56	5105	1.167	ug/L #	88
30) 1,1,1-Trichloroethane	7.71	97	5648	1.344	ug/L #	89
31) Carbon tetrachloride	7.91	117	5277	1.392	ug/L	97
33) Benzene	8.17	78	15107	1.341	ug/L	100
34) Trichloroethene	8.94	95	1949	0.693	ug/L	89
35) Methylcyclohexane	9.19	83	5749	1.196	ug/L	93
37) 1,2-Dichloropropane	9.22	63	3758	1.315	ug/L #	96
38) Bromodichloromethane	9.50	83	4733	1.315	ug/L #	97
39) cis-1,3-Dichloropropene	9.93	75	5590	1.266	ug/L	90
40) 4-Methyl-2-pentanone	10.07	43	7498	2.987	ug/L	99
42) Toluene	10.25	91	15395	1.301	ug/L	86
44) trans-1,3-Dichloropropene	10.47	75	6397	1.569	ug/L	97
45) 1,1,2-Trichloroethane	10.65	97	3176	1.323	ug/L	87
46) Tetrachloroethene	10.72	164	3488	1.450	ug/L	86
48) 2-Hexanone	10.83	43	5081	2.773	ug/L	98
49) Dibromochloromethane	10.98	129	3484	1.256	ug/L	93
50) 1,2-Dibromoethane	11.09	107	2868	1.235	ug/L #	95
51) Chlorobenzene	11.51	112	10454	1.371	ug/L	92
52) Ethylbenzene	11.59	91	15420	1.218	ug/L	99
53) m,p-Xylene	11.70	106	5786	1.169	ug/L	99
54) o-Xylene	12.03	106	5582	1.194	ug/L	83
55) Styrene	12.04	104	9036	1.129	ug/L	91
57) 1,1,2,2-Tetrachloroethane	12.58	83	4227	1.329	ug/L #	95
59) Bromoform	12.21	173	2324	1.345	ug/L	99
60) Isopropylbenzene	12.33	105	13385	1.190	ug/L	97
61) 1,2,3-Trichloropropane	12.64	75	2948	1.401	ug/L	95
62) 1,3,5-Trimethylbenzene	12.81	105	10405	1.166	ug/L	98
63) 1,2,4-Trimethylbenzene	13.12	105	9897	1.123	ug/L	99
64) 1,3-Dichlorobenzene	13.36	146	7163	1.316	ug/L	98
65) 1,4-Dichlorobenzene	13.45	146	7281	1.316	ug/L	93
67) 1,2-Dichlorobenzene	13.74	146	7032	1.376	ug/L	97
69) 1,3,5-Trichlorobenzene	14.50	180	4942	1.292	ug/L	99
70) 1,2,4-trichlorobenzene	15.00	180	4203	1.290	ug/L	97
71) Naphthalene	15.23	128	8118	1.141	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	3933	1.314	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 1.437 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.01 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

ClientSampleId :

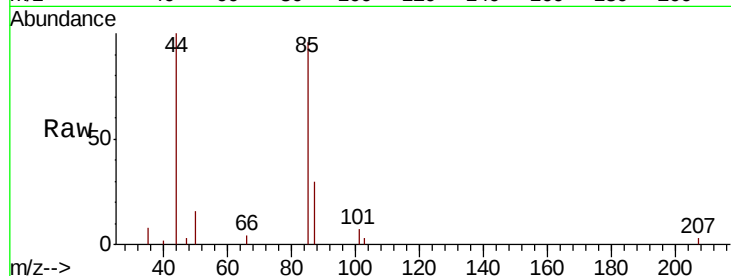
MDL01

Tot Ion: 85 Resp: 3289

Ion Ratio Lower Upper

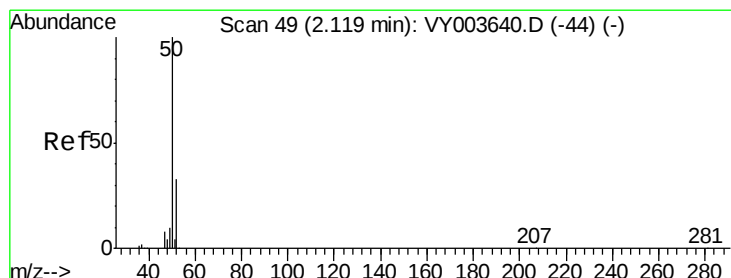
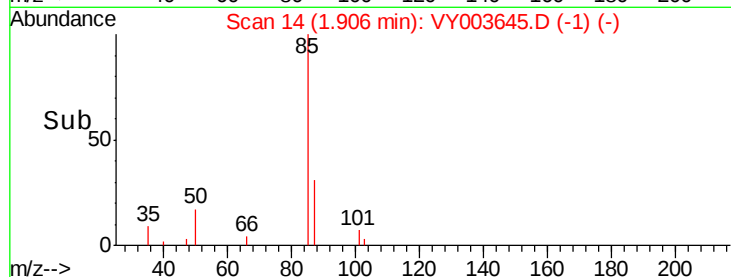
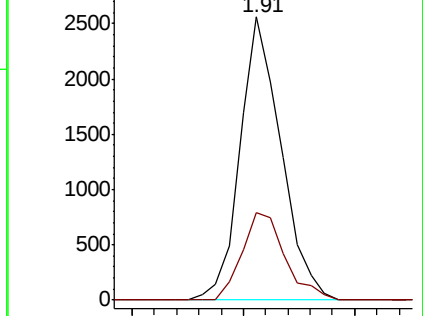
85 100

87 32.3 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: 1.408 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.00 min

Lab File: VY003645.D

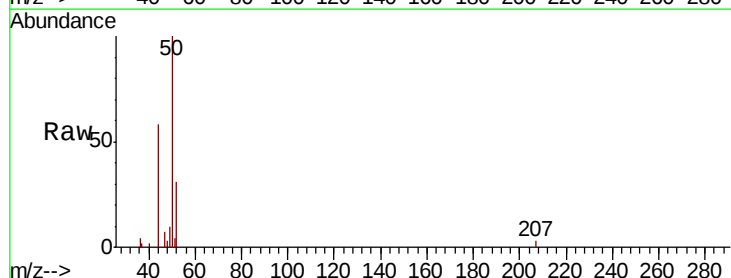
Acq: 02 Dec 2020 12:21

Tgt Ion: 50 Resp: 3495

Ion Ratio Lower Upper

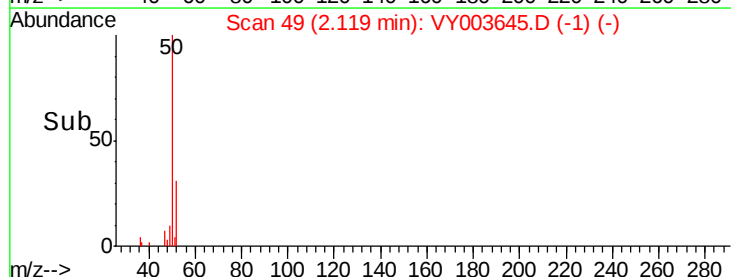
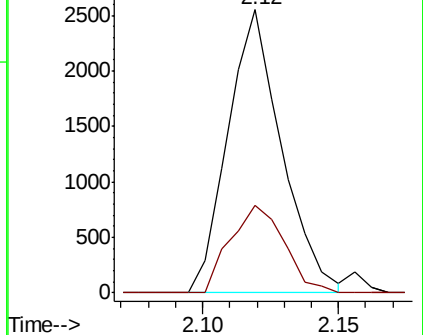
50 100

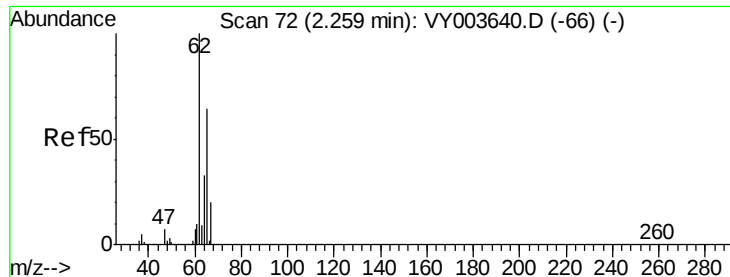
52 30.8 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 1.459 ug/L

RT: 2.26 min Scan# 72

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

ClientSampled :

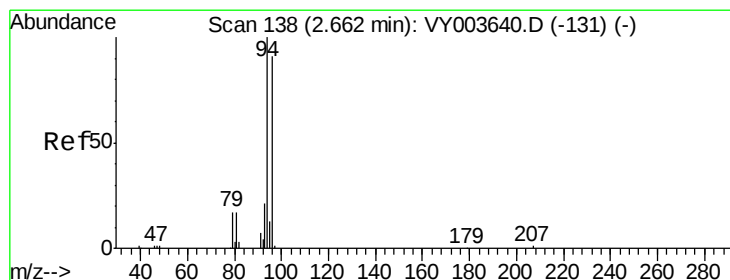
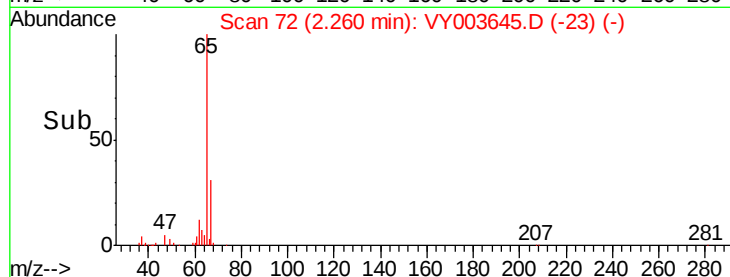
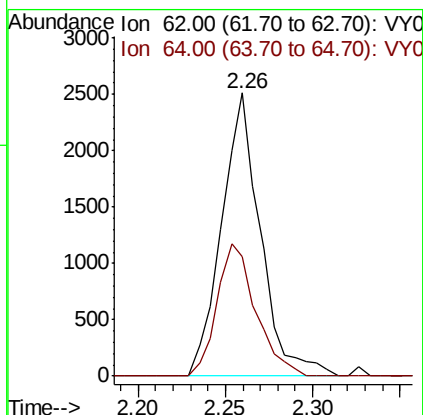
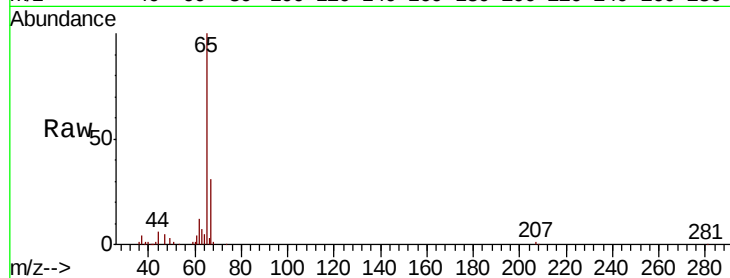
MDL01

Tot Ion: 62 Resp: 3885

Ion Ratio Lower Upper

62 100

64 42.3 21.9 40.7#



#6

Bromomethane

Concen: 1.540 ug/L

RT: 2.66 min Scan# 137

Delta R.T. -0.01 min

Lab File: VY003645.D

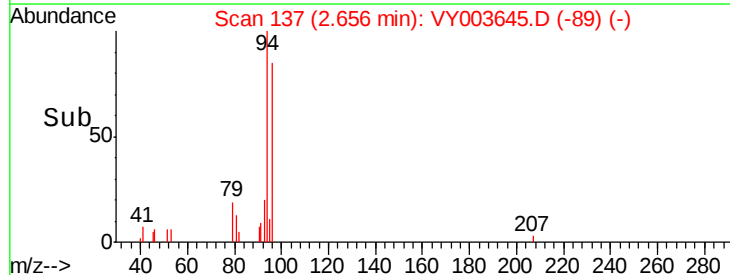
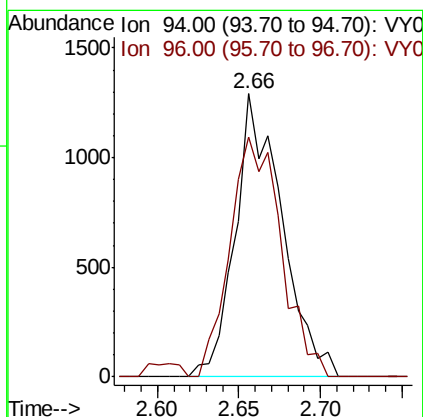
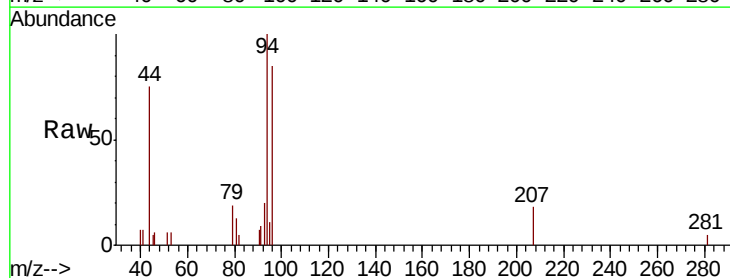
Acq: 02 Dec 2020 12:21

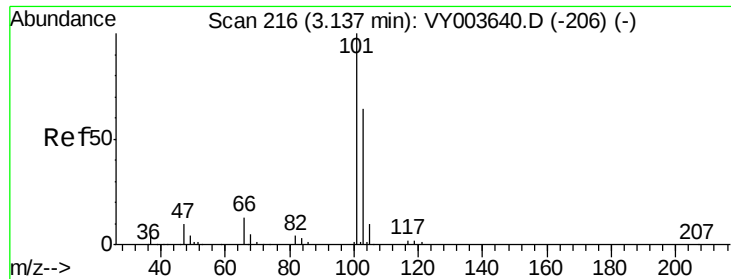
Tgt Ion: 94 Resp: 2567

Ion Ratio Lower Upper

94 100

96 84.7 65.2 121.0



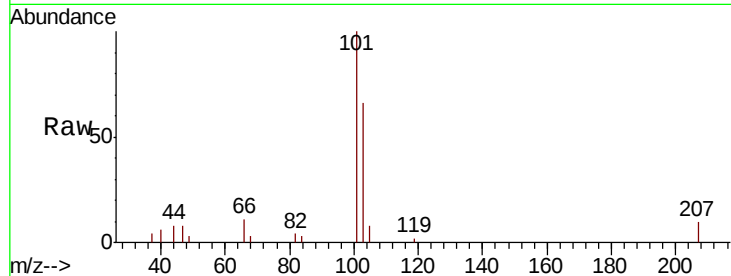


#9

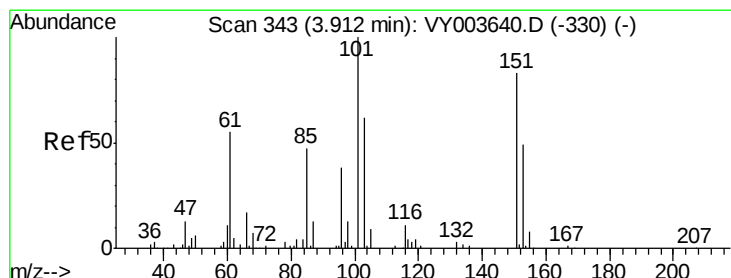
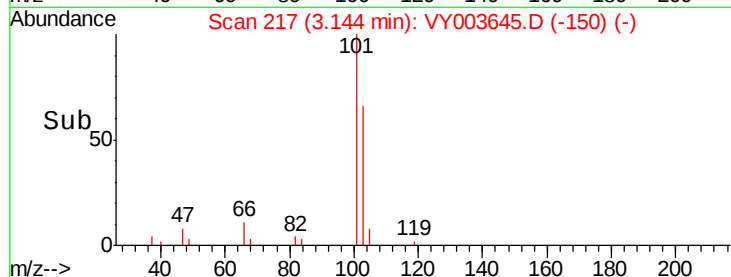
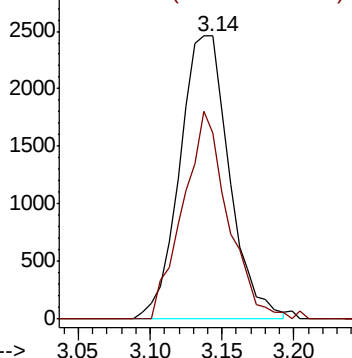
Trichlorofluoromethane
Concen: 1.456 ug/L
RT: 3.14 min Scan# 217
Delta R.T. 0.01 min
Lab File: VY003645.D
Acq: 02 Dec 2020 12:21

Instrument :
MSVOA_Y
ClientSampled :
MDL01

Tot Ion:101 Resp: 5885
Ion Ratio Lower Upper
101 100
103 66.3 51.9 77.9



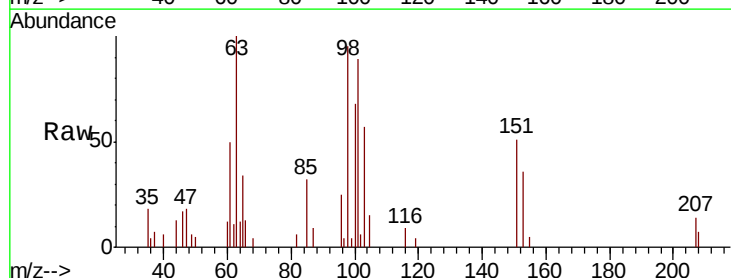
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



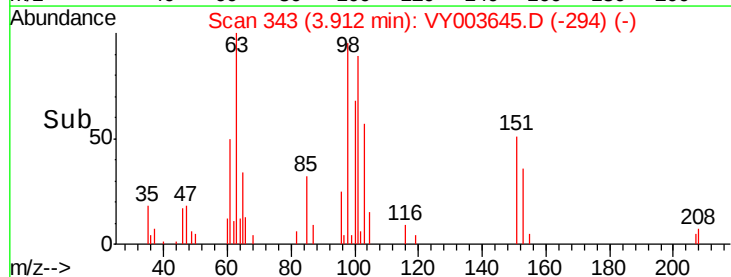
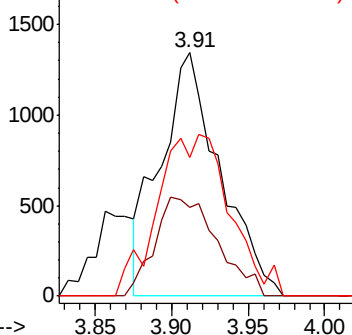
#10

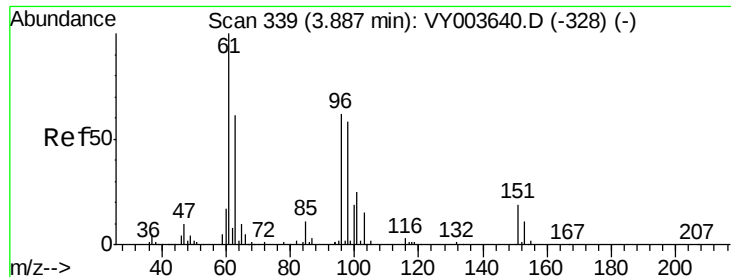
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.352 ug/L
RT: 3.91 min Scan# 343
Delta R.T. 0.00 min
Lab File: VY003645.D
Acq: 02 Dec 2020 12:21

Tgt Ion:101 Resp: 3648
Ion Ratio Lower Upper
101 100
85 24.9 35.6 53.4#
151 25.8 64.2 96.2#



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VY0
Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 1.076 ug/L

RT: 3.88 min Scan# 337

Delta R.T. -0.01 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

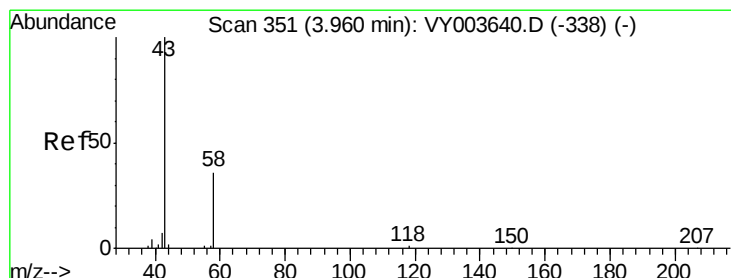
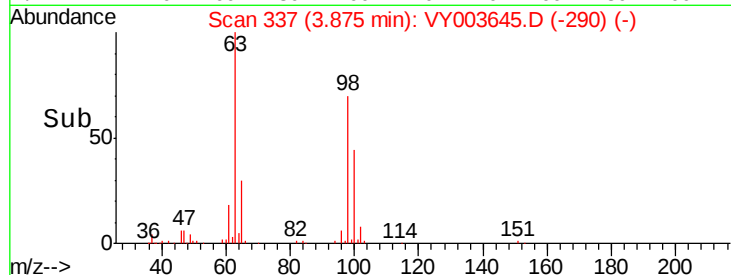
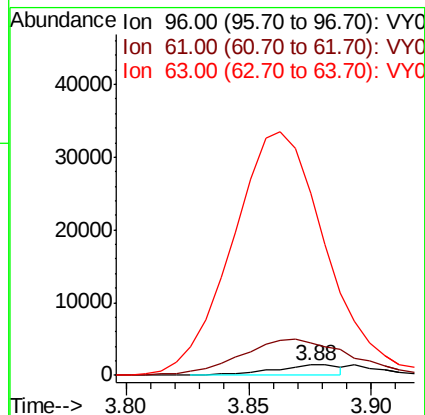
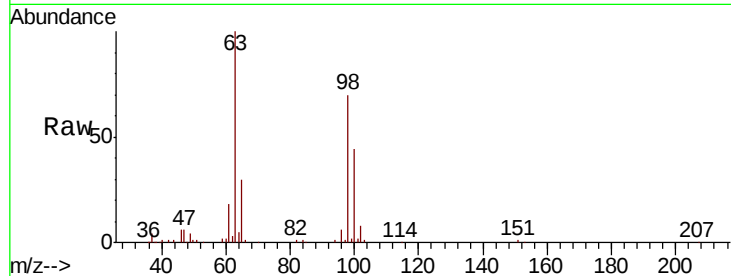
Tot Ion: 96 Resp: 2757

Ion Ratio Lower Upper

96 100

61 308.4 106.1 197.1#

63 1759.1 62.9 116.9#



#13

Acetone

Concen: 3.427 ug/L

RT: 3.96 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY003645.D

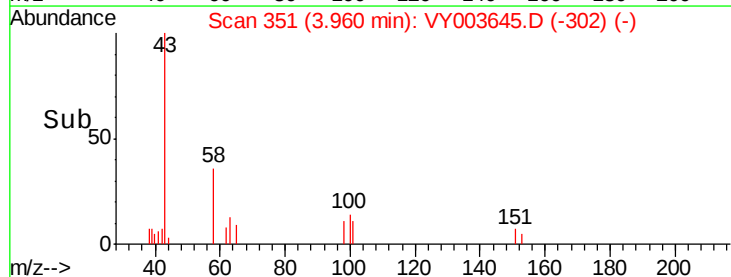
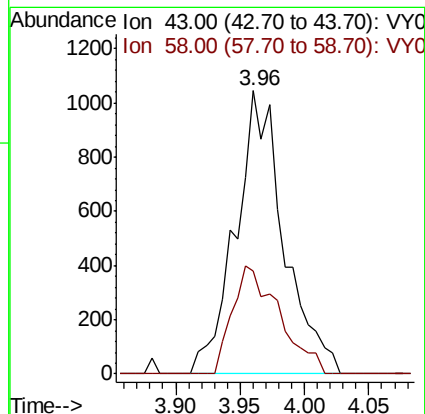
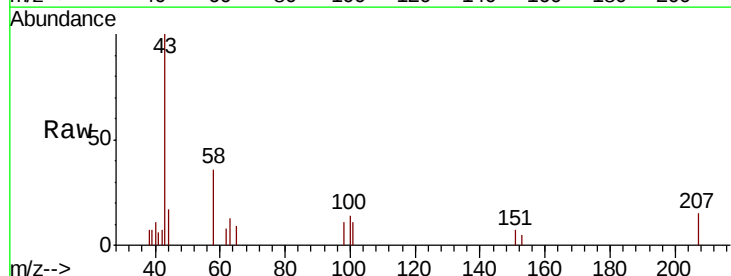
Acq: 02 Dec 2020 12:21

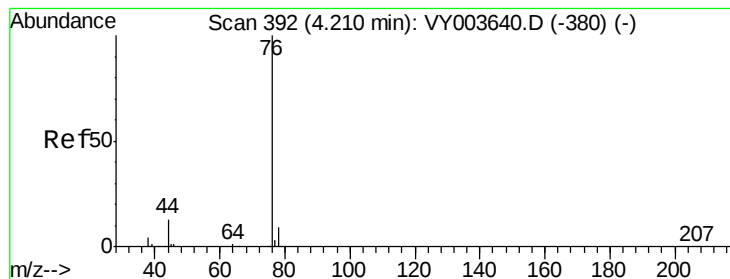
Tgt Ion: 43 Resp: 2716

Ion Ratio Lower Upper

43 100

58 22.6 0.0 61.6





#14

Carbon disulfide

Concen: 1.339 ug/L

RT: 4.21 min Scan# 392

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

ClientSampleId :

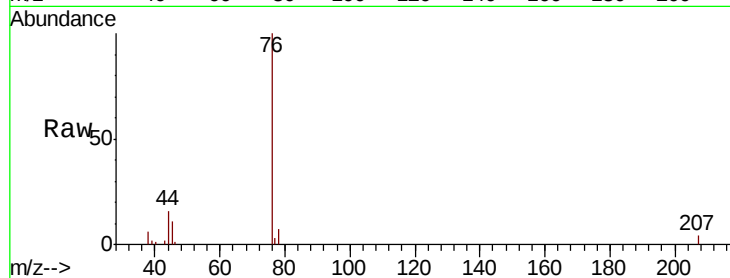
MDL01

Tot Ion: 76 Resp: 11339

Ion Ratio Lower Upper

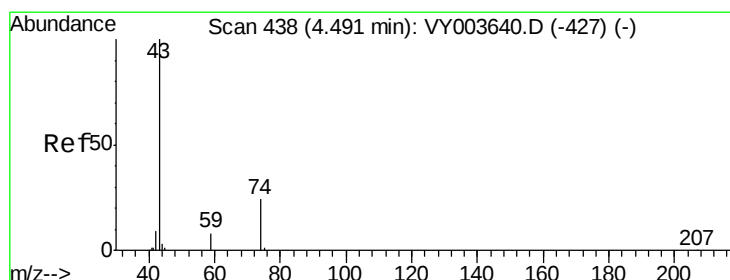
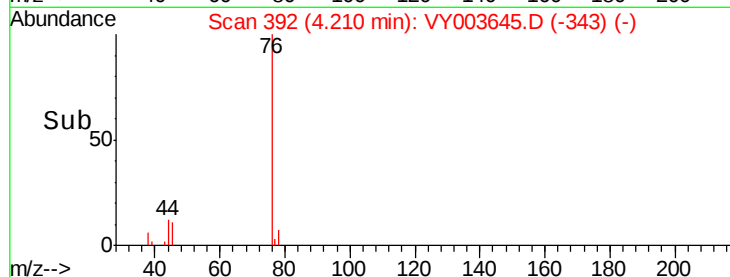
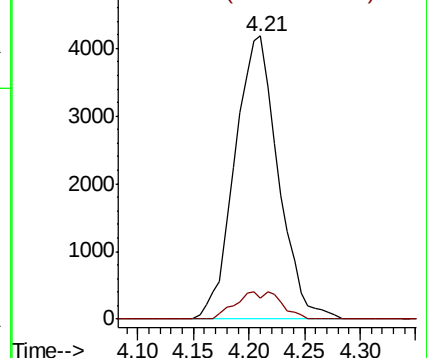
76 100

78 7.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0



#15

Methyl Acetate

Concen: 1.434 ug/L

RT: 4.49 min Scan# 438

Delta R.T. 0.00 min

Lab File: VY003645.D

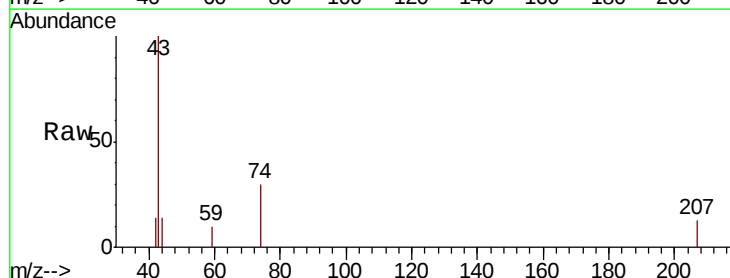
Acq: 02 Dec 2020 12:21

Tgt Ion: 43 Resp: 2736

Ion Ratio Lower Upper

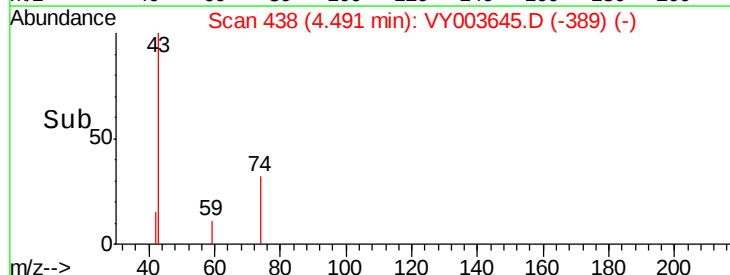
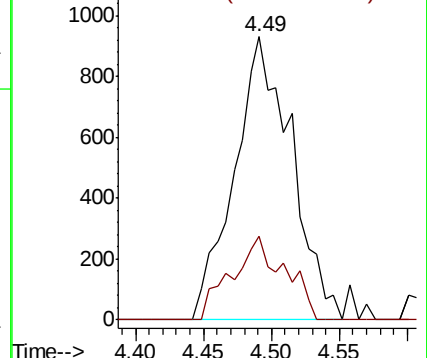
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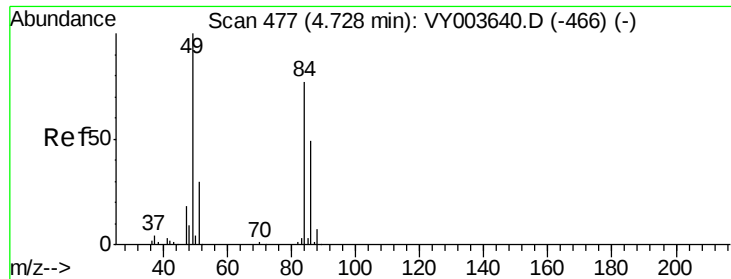
74 20.2 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

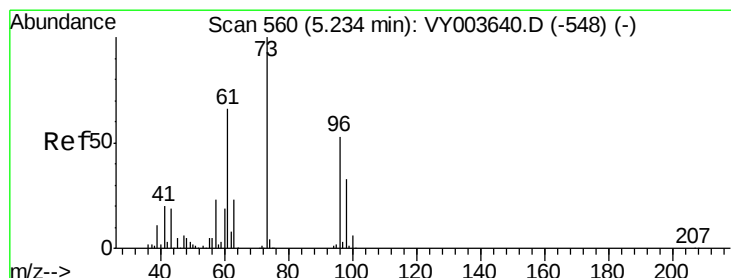
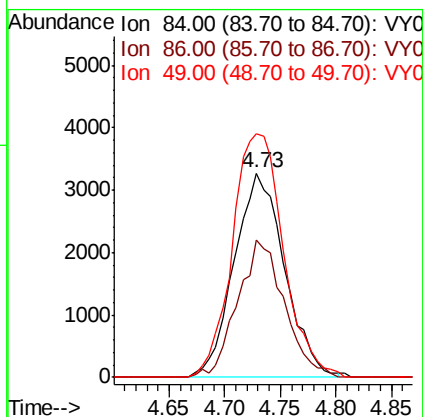
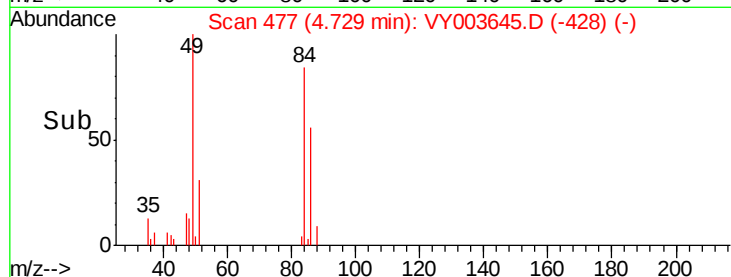
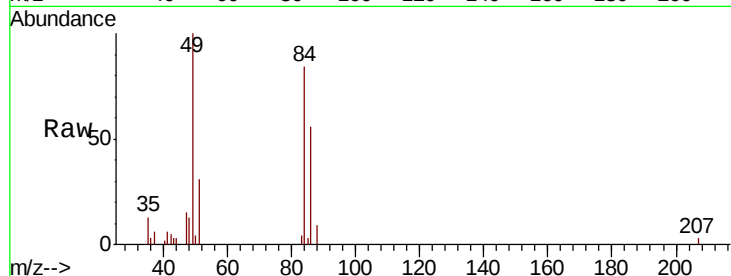




#16
Methvlene chloride
Concen: 3.103 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VY003645.D
Acq: 02 Dec 2020 12:21

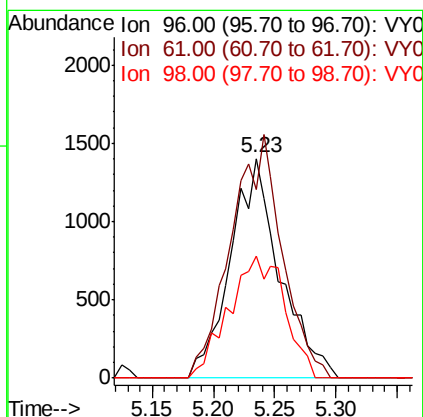
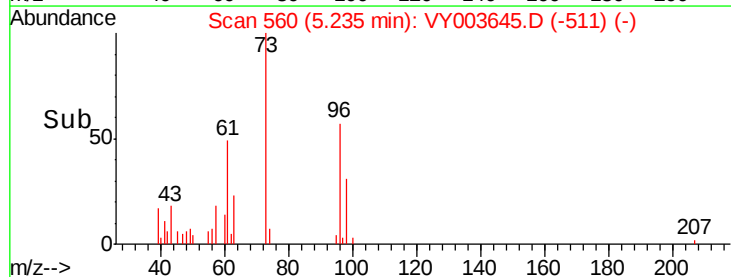
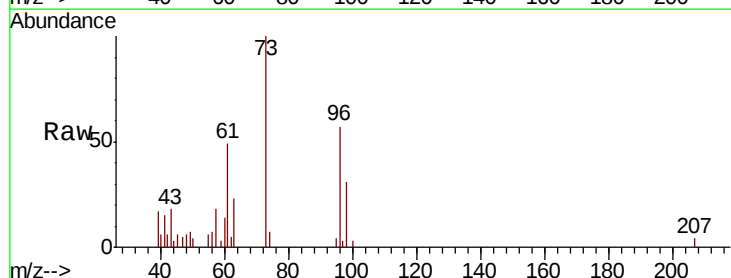
Instrument :
MSVOA_Y
ClientSampleId :
MDL01

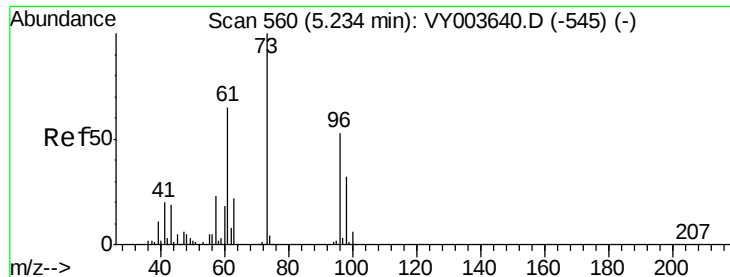
Tot Ion: 84 Resp: 10327
Ion Ratio Lower Upper
84 100
86 67.2 43.3 80.3
49 119.2 85.3 158.5



#17
trans-1,2-Dichloroethene
Concen: 1.401 ug/L
RT: 5.23 min Scan# 560
Delta R.T. 0.00 min
Lab File: VY003645.D
Acq: 02 Dec 2020 12:21

Tgt Ion: 96 Resp: 3944
Ion Ratio Lower Upper
96 100
61 85.9 89.5 166.1#
98 55.4 45.5 84.5

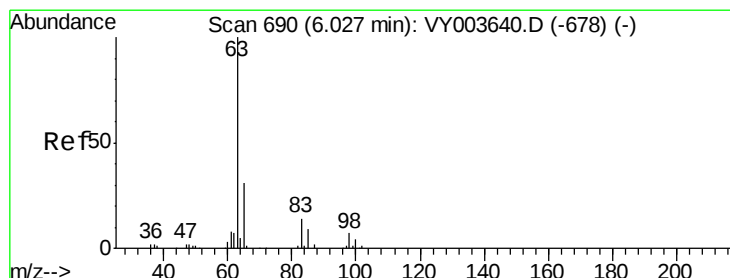
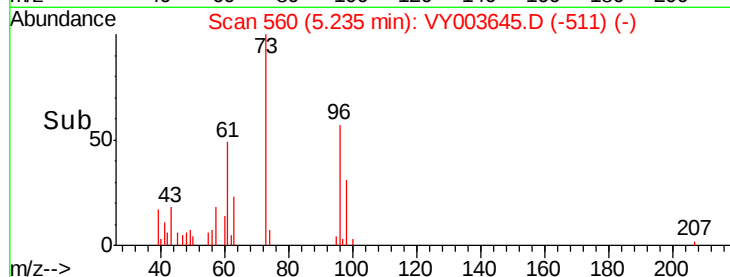
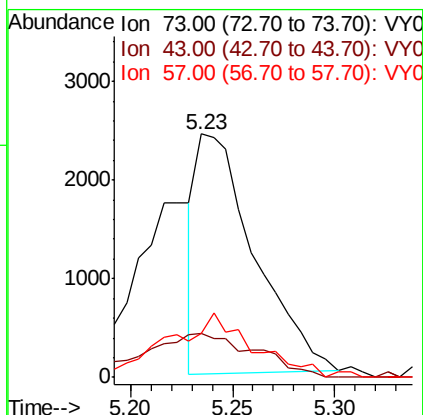
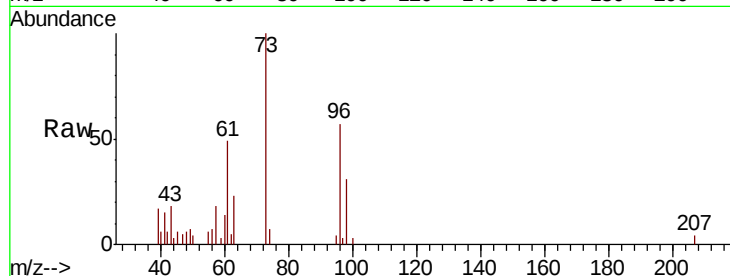




#18
Methvl tert-butvl Ether
Concen: 0.693 ug/L
RT: 5.23 min Scan# 560
Delta R.T. 0.00 min
Lab File: VY003645.D
Acq: 02 Dec 2020 12:21

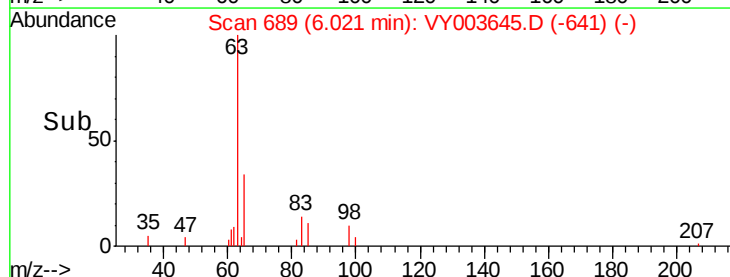
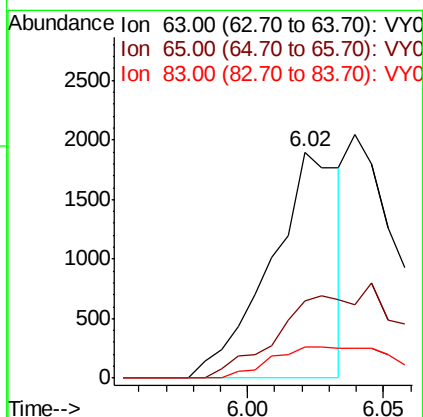
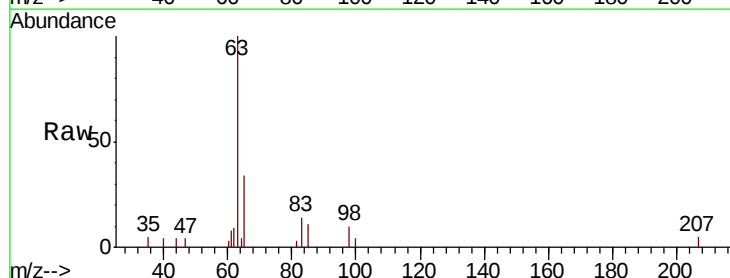
Instrument :
MSVOA_Y
ClientSampleId :
MDL01

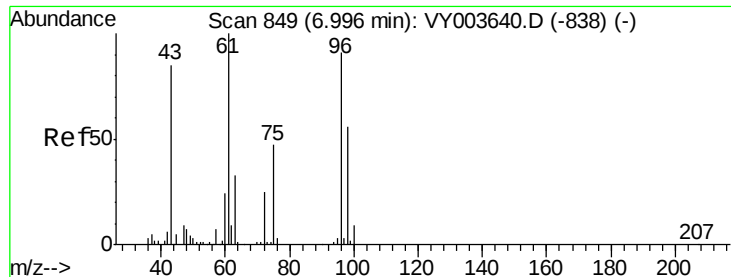
Tot Ion: 73 Resp: 4768
Ion Ratio Lower Upper
73 100
43 27.3 15.2 22.8#
57 17.6 18.1 27.1#



#19
1,1-Dichloroethane
Concen: 0.707 ug/L
RT: 6.02 min Scan# 689
Delta R.T. -0.01 min
Lab File: VY003645.D
Acq: 02 Dec 2020 12:21

Tgt Ion: 63 Resp: 3352
Ion Ratio Lower Upper
63 100
65 34.4 21.9 40.7
83 13.6 9.5 17.7

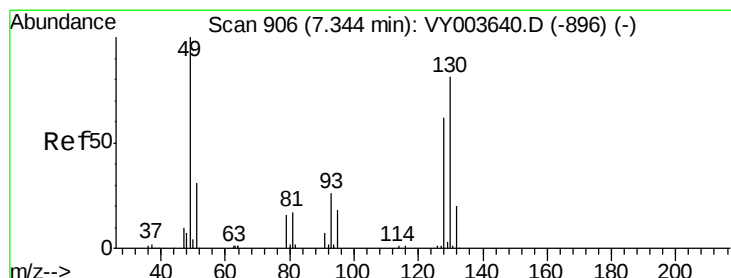
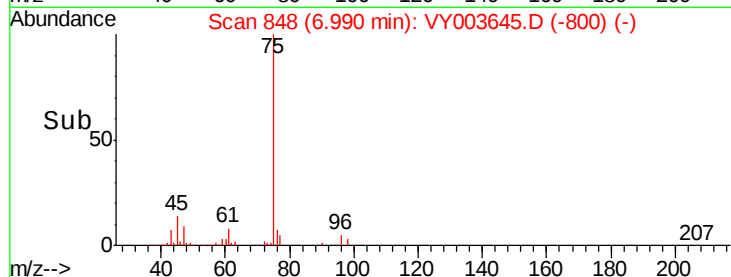
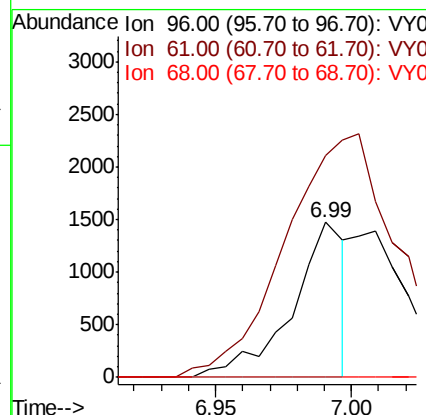
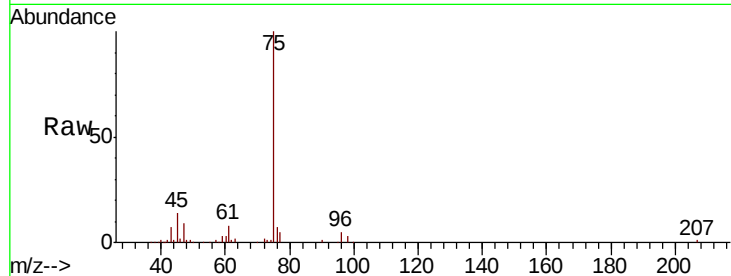




#20
 cis-1,2-Dichloroethene
 Concen: 0.677 ug/L
 RT: 6.99 min Scan# 848
 Delta R.T. -0.01 min
 Lab File: VY003645.D
 Acq: 02 Dec 2020 12:21

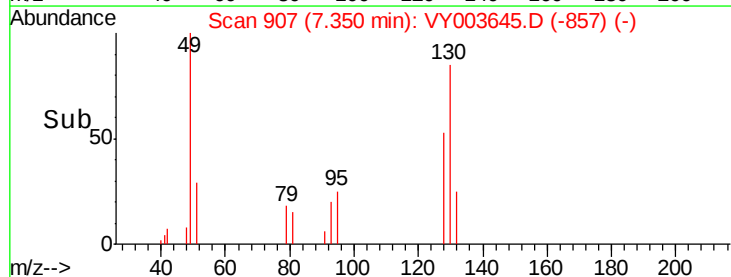
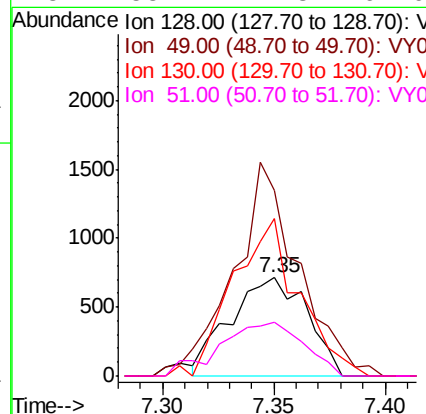
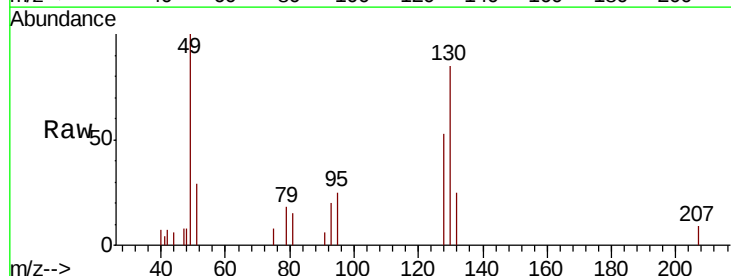
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

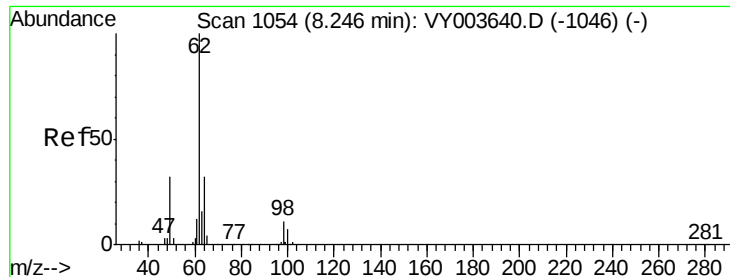
Tot Ion: 96 Resp: 1999
 Ion Ratio Lower Upper
 96 100
 61 143.6 85.8 159.4
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 1.193 ug/L
 RT: 7.35 min Scan# 907
 Delta R.T. 0.01 min
 Lab File: VY003645.D
 Acq: 02 Dec 2020 12:21

Tgt Ion: 128 Resp: 1717
 Ion Ratio Lower Upper
 128 100
 49 189.2 118.1 219.3
 130 160.4 90.5 168.1
 51 55.1 41.3 61.9





#27

1,2-Dichloroethane

Concen: 1.396 ug/L

RT: 8.25 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

ClientSampled :

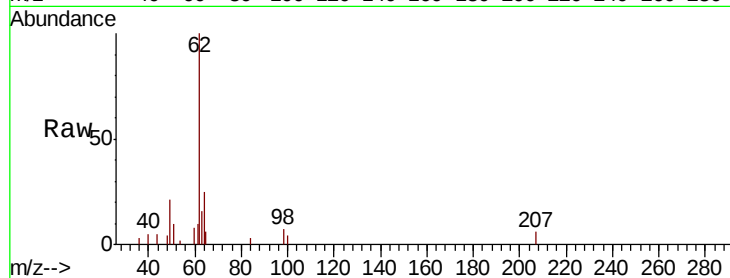
MDL01

Tot Ion: 62 Resp: 4361

Ion Ratio Lower Upper

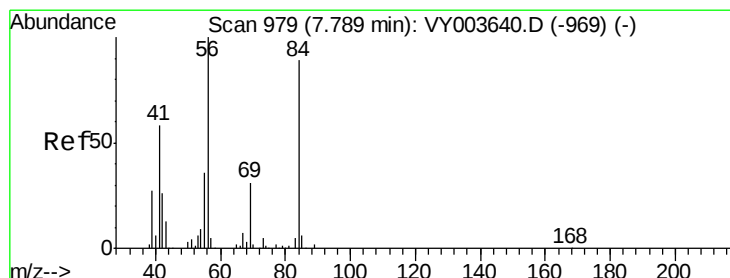
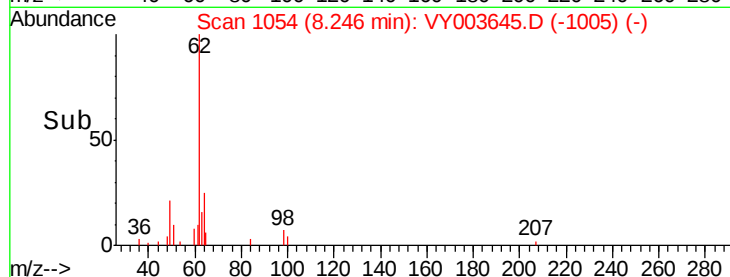
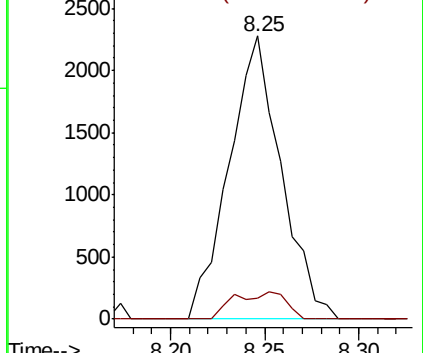
62 100

98 7.5 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: 1.167 ug/L

RT: 7.79 min Scan# 979

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

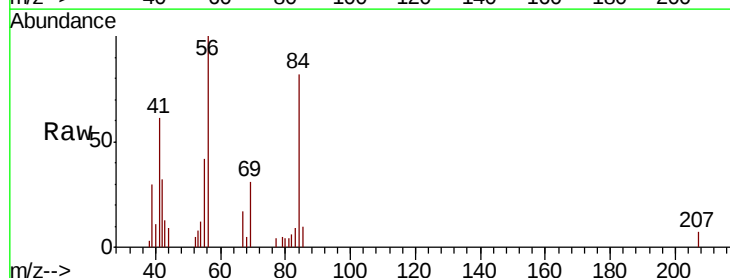
Tgt Ion: 56 Resp: 5105

Ion Ratio Lower Upper

56 100

69 19.2 23.9 35.9#

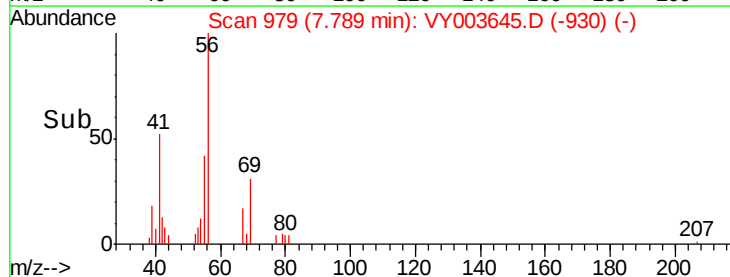
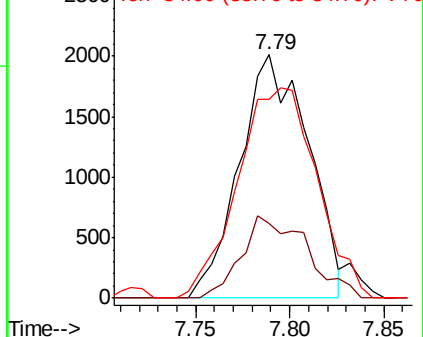
84 99.2 71.9 107.9

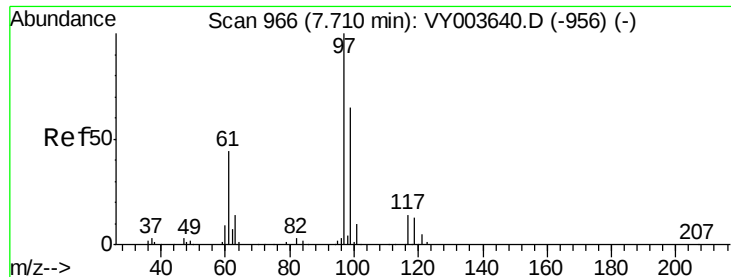


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

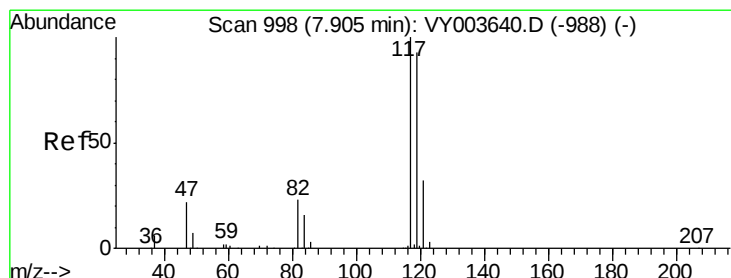
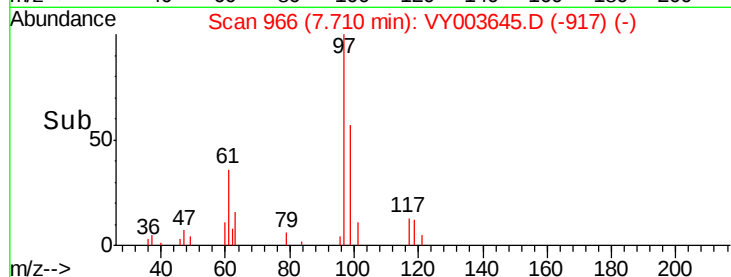
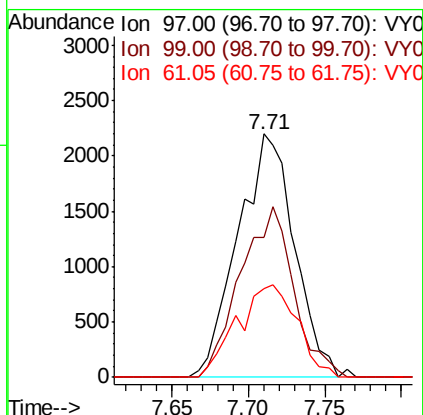
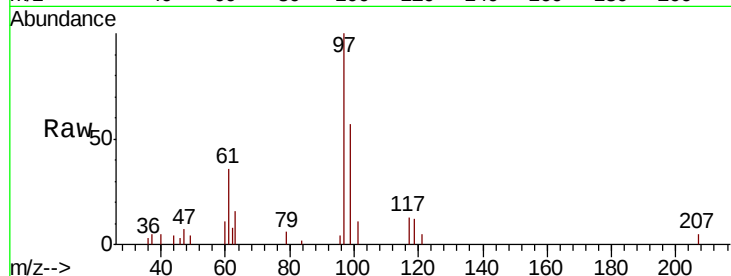




#30
 1,1,1-Trichloroethane
 Concen: 1.344 ug/L
 RT: 7.71 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VY003645.D
 Acq: 02 Dec 2020 12:21

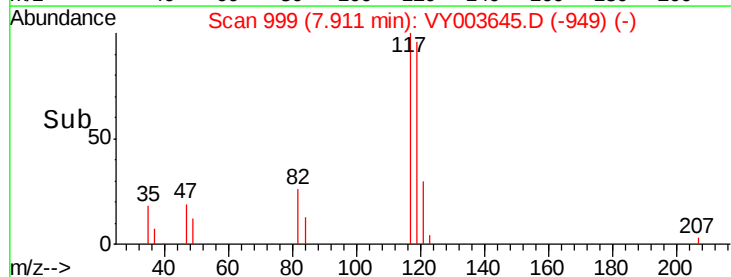
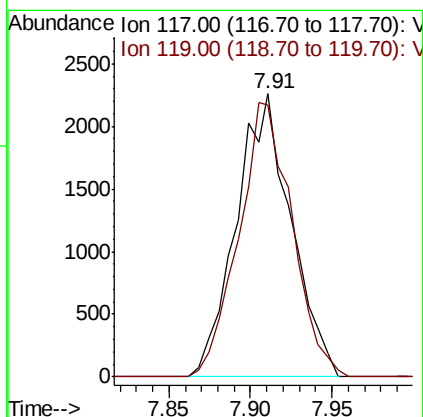
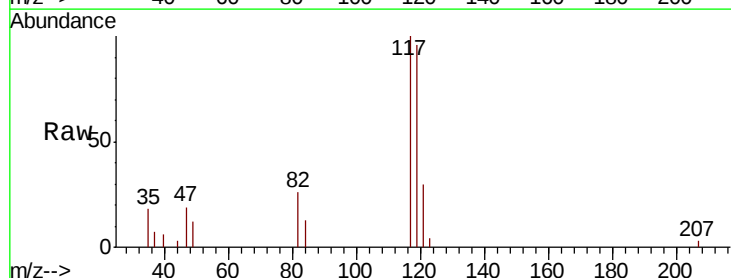
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

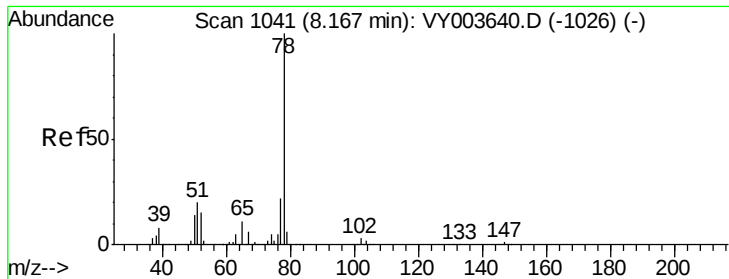
Tot Ion: 97 Resp: 5648
 Ion Ratio Lower Upper
 97 100
 99 66.3 50.6 76.0
 61 29.5 34.3 51.5#



#31
 Carbon tetrachloride
 Concen: 1.392 ug/L
 RT: 7.91 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VY003645.D
 Acq: 02 Dec 2020 12:21

Tgt Ion: 117 Resp: 5277
 Ion Ratio Lower Upper
 117 100
 119 94.2 77.7 116.5





#33

Benzene

Concen: 1.341 ug/L

RT: 8.17 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

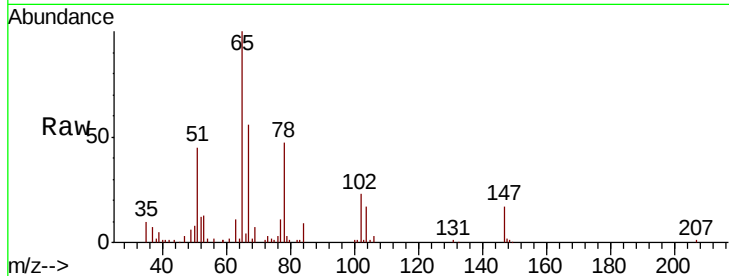
Instrument :

MSVOA_Y

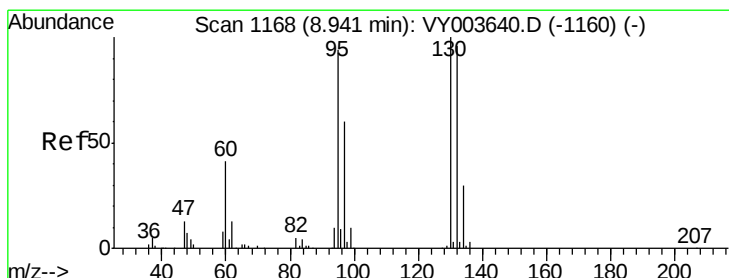
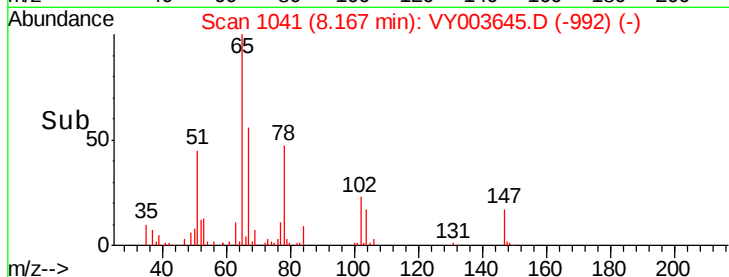
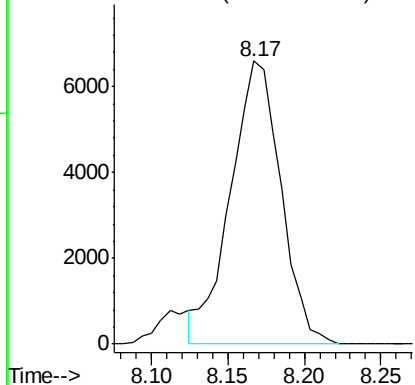
ClientSampleId :

MDL01

Tgt Ion: 78 Resp: 15107



Abundance Ion 78.00 (77.70 to 78.70): VY0



#34

Trichloroethene

Concen: 0.693 ug/L

RT: 8.94 min Scan# 1167

Delta R.T. -0.01 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Tgt Ion: 95 Resp: 1949

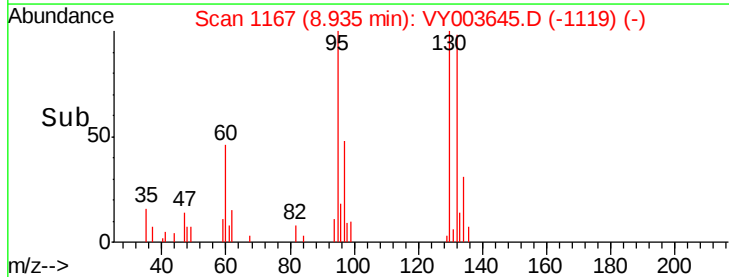
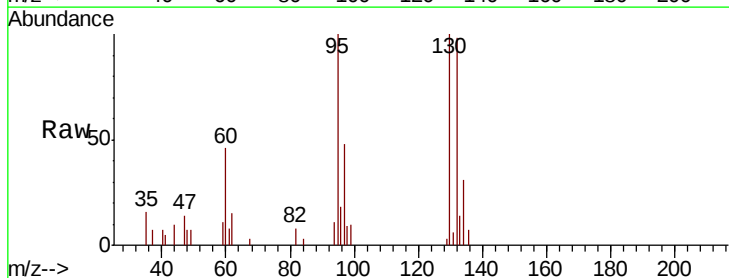
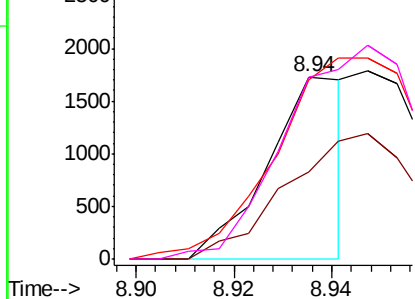
Ion	Ratio	Lower	Upper
95	100		
97	48.1	44.7	83.1
132	98.4	74.7	138.7
130	99.9	76.8	142.6

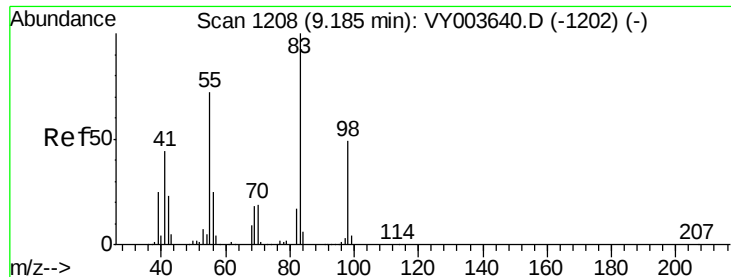
Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

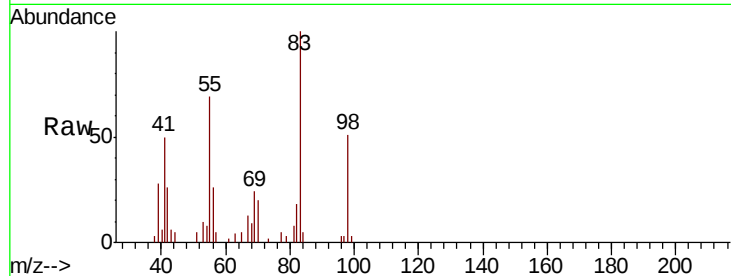




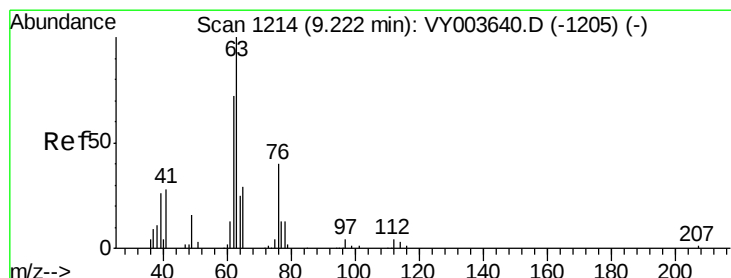
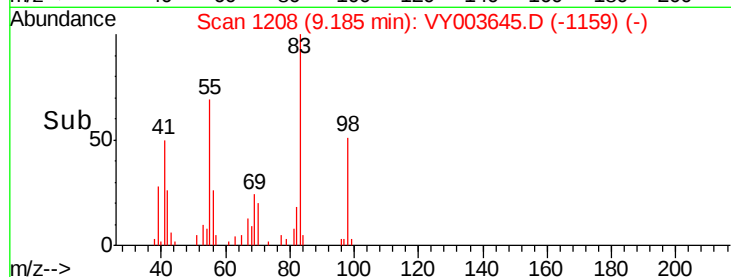
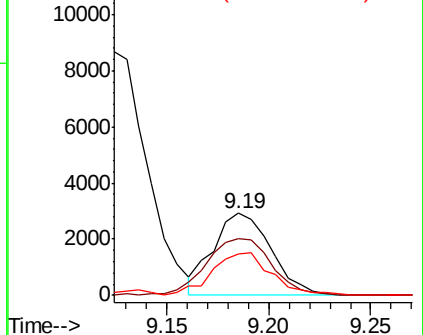
#35
Methvlcvclohexane
Concen: 1.196 ug/L
RT: 9.19 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VY003645.D
Acq: 02 Dec 2020 12:21

Instrument :
MSVOA_Y
ClientSampleId :
MDL01

Tot Ion: 83 Resp: 5749
Ion Ratio Lower Upper
83 100
55 77.9 58.3 87.5
98 53.8 39.0 58.6

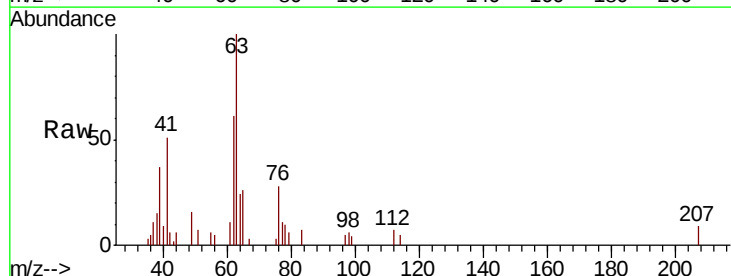


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

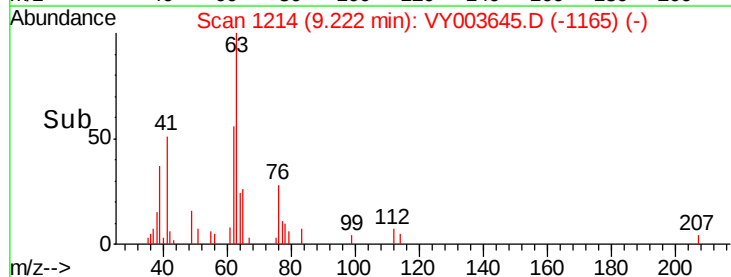
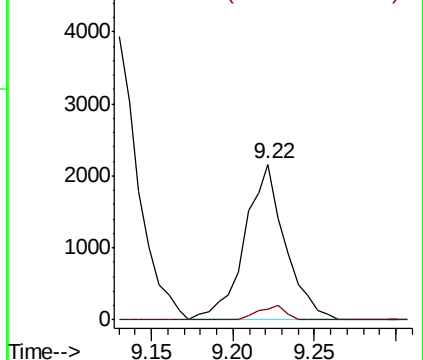


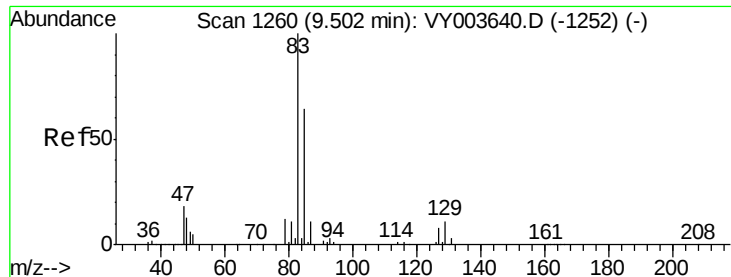
#37
1,2-Dichloropropane
Concen: 1.315 ug/L
RT: 9.22 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VY003645.D
Acq: 02 Dec 2020 12:21

Tgt Ion: 63 Resp: 3758
Ion Ratio Lower Upper
63 100
112 5.8 3.7 5.5#



Abundance Ion 63.00 (62.70 to 63.70): VY0
Ion 112.00 (111.70 to 112.70): V

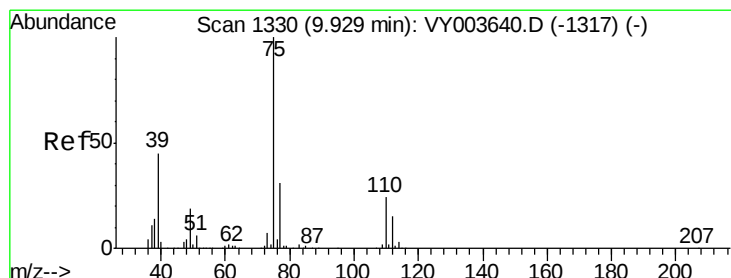
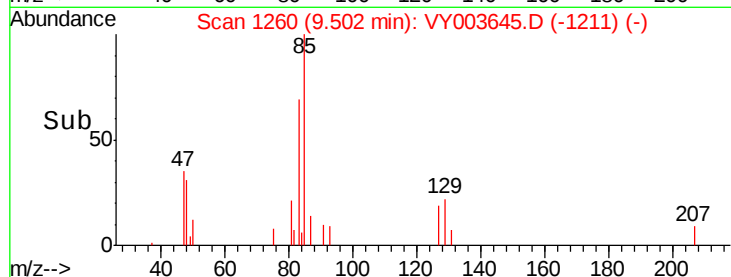
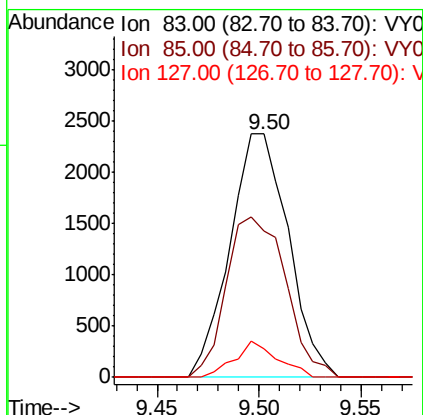
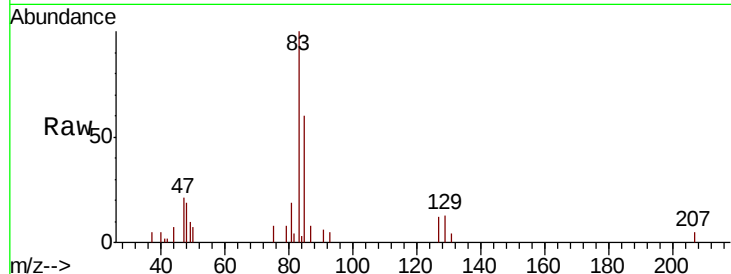




#38
 Bromodichloromethane
 Concen: 1.315 ug/L
 RT: 9.50 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VY003645.D
 Acq: 02 Dec 2020 12:21

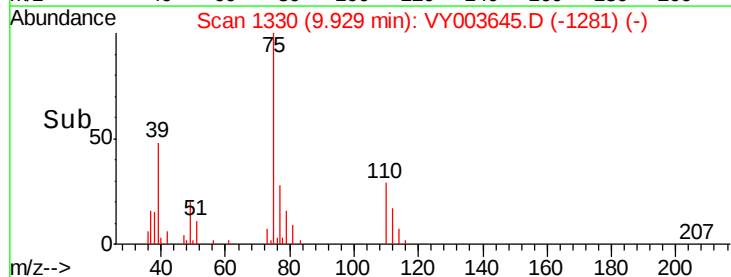
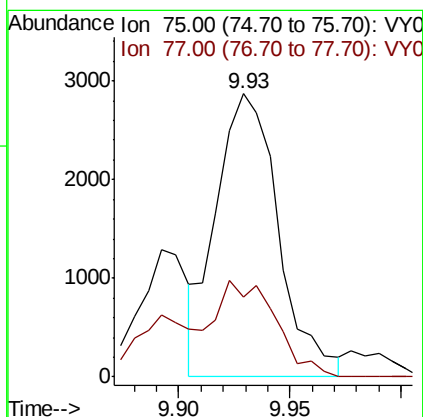
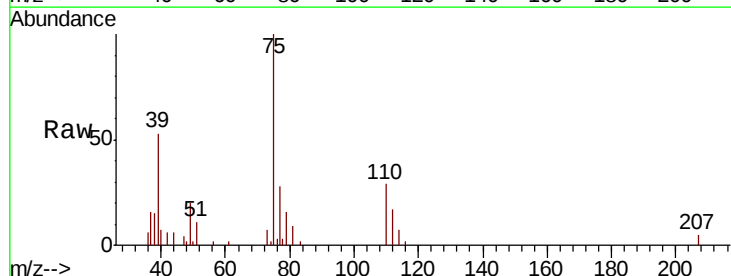
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL01

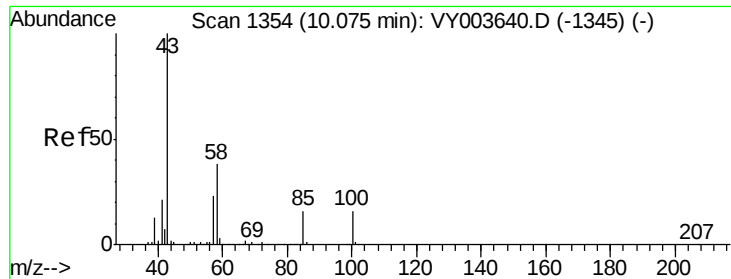
Tot Ion: 83 Resp: 4733
 Ion Ratio Lower Upper
 83 100
 85 60.0 43.1 80.1
 127 11.6 7.1 10.7#



#39
 cis-1,3-Dichloropropene
 Concen: 1.266 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VY003645.D
 Acq: 02 Dec 2020 12:21

Tgt Ion: 75 Resp: 5590
 Ion Ratio Lower Upper
 75 100
 77 28.1 23.5 43.7

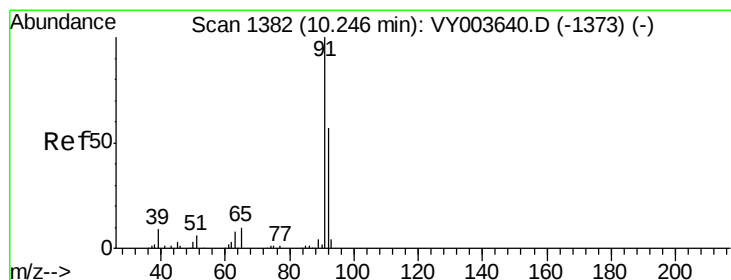
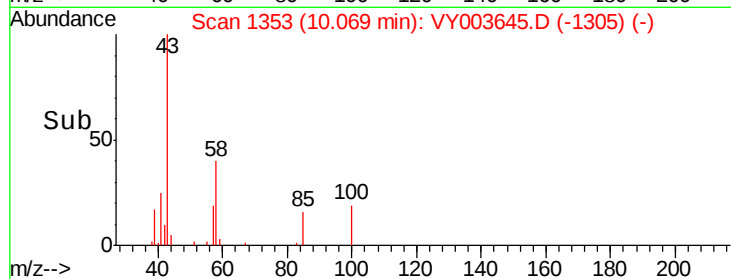
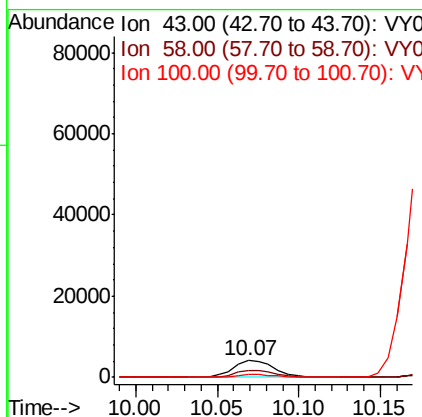
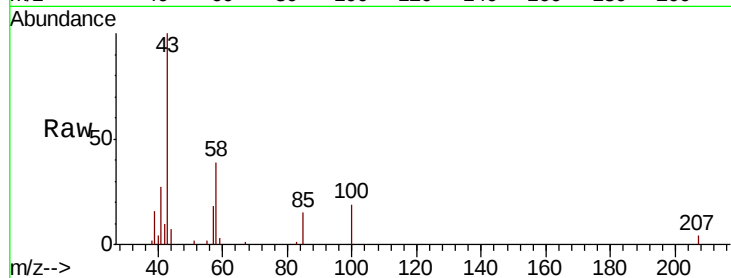




#40
4-Methyl-2-pentanone
Concen: 2.987 ug/L
RT: 10.07 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VY003645.D
Acq: 02 Dec 2020 12:21

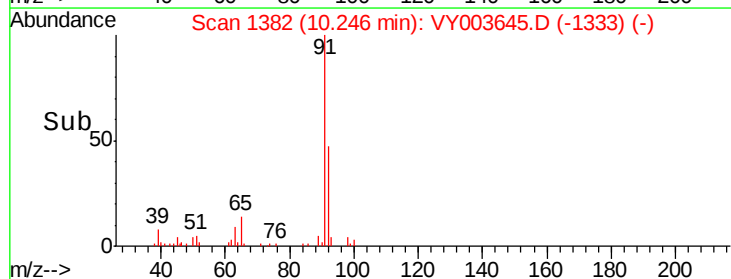
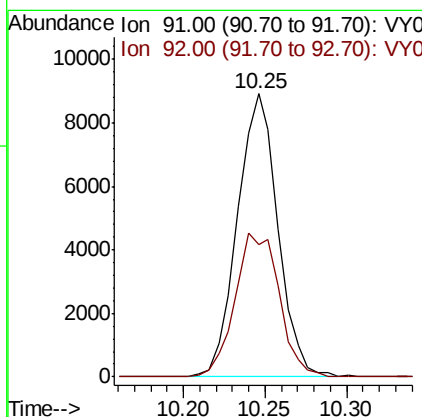
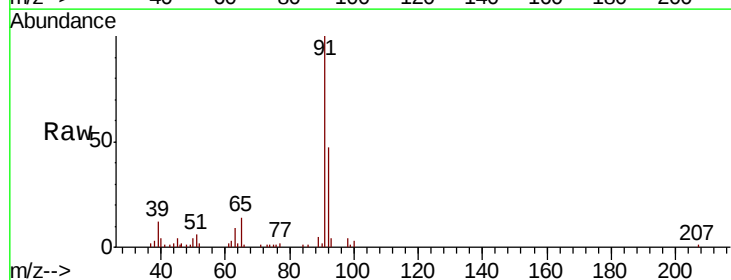
Instrument :
MSVOA_Y
ClientSampled :
MDL01

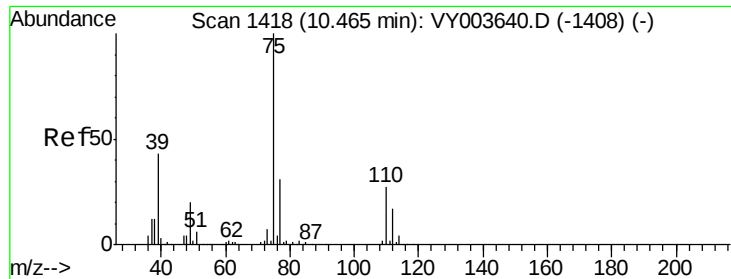
Tot Ion: 43 Resp: 7498
Ion Ratio Lower Upper
43 100
58 38.8 30.7 46.1
100 16.2 12.1 18.1



#42
Toluene
Concen: 1.301 ug/L
RT: 10.25 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VY003645.D
Acq: 02 Dec 2020 12:21

Tgt Ion: 91 Resp: 15395
Ion Ratio Lower Upper
91 100
92 46.8 40.1 74.5





#44

trans-1,3-Dichloropropene

Concen: 1.569 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

ClientSampleId :

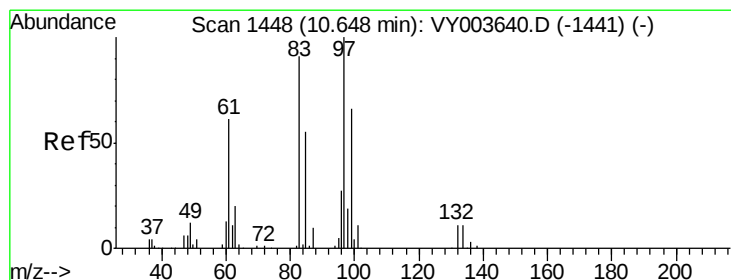
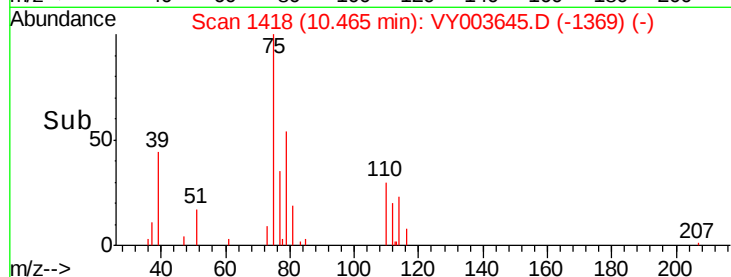
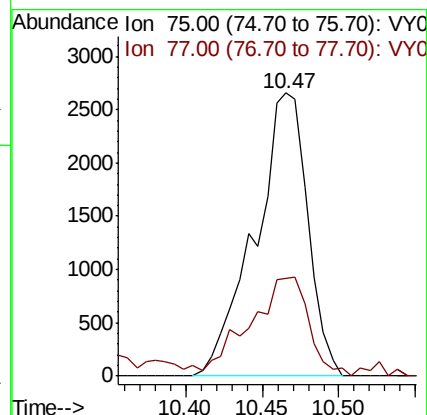
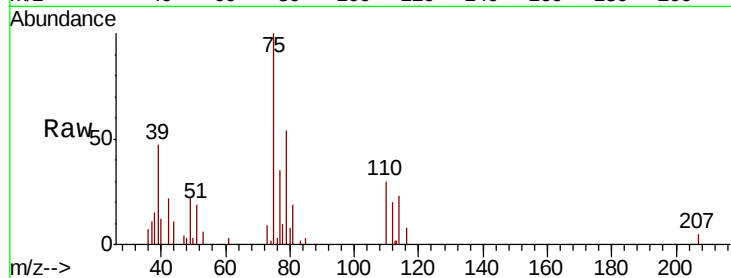
MDL01

Tot Ion: 75 Resp: 6397

Ion Ratio Lower Upper

75 100

77 34.5 22.9 42.5



#45

1,1,2-Trichloroethane

Concen: 1.323 ug/L

RT: 10.65 min Scan# 1448

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Tgt Ion: 97 Resp: 3176

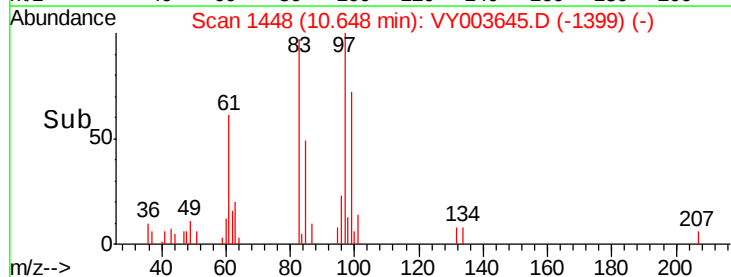
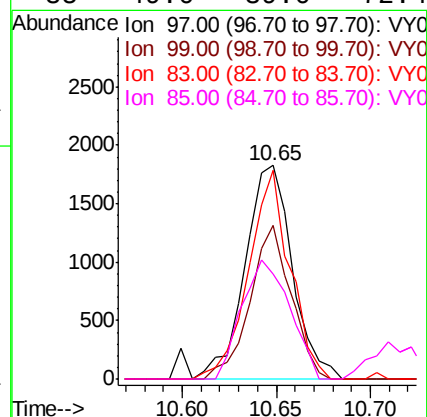
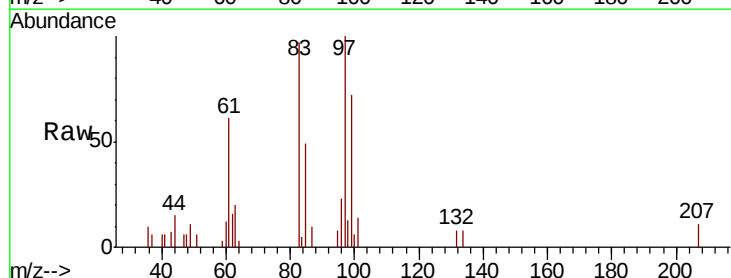
Ion Ratio Lower Upper

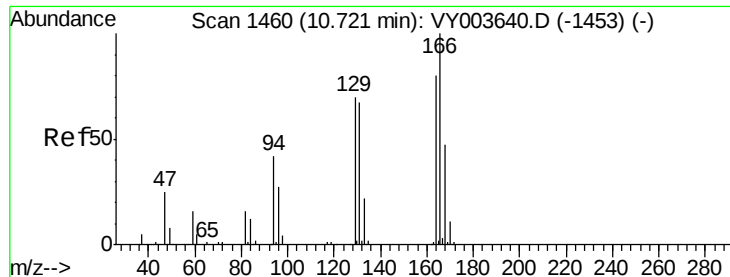
97 100

99 71.7 45.1 83.9

83 102.7 59.7 110.9

85 49.0 39.0 72.4





#46

Tetrachloroethene

Concen: 1.450 ug/L

RT: 10.72 min Scan# 1459

Delta R.T. -0.01 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

Tot Ion:164 Resp: 3488

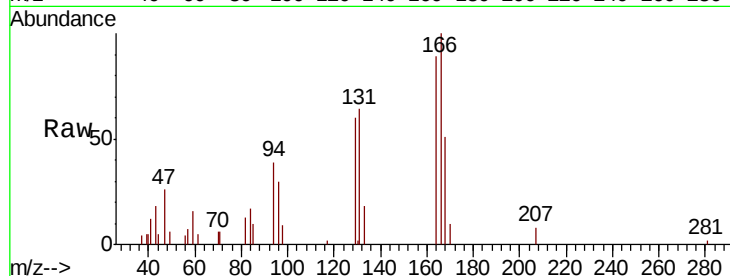
Ion Ratio Lower Upper

164 100

129 67.3 58.9 109.5

131 71.8 59.0 109.6

166 112.6 87.8 163.0



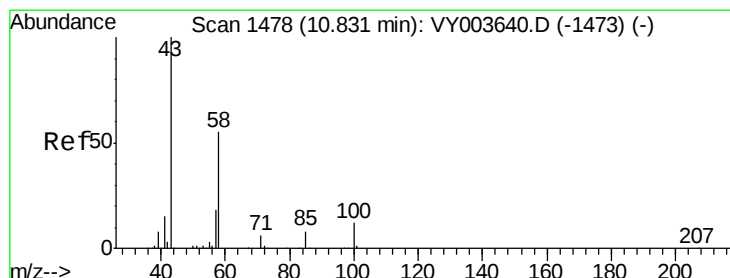
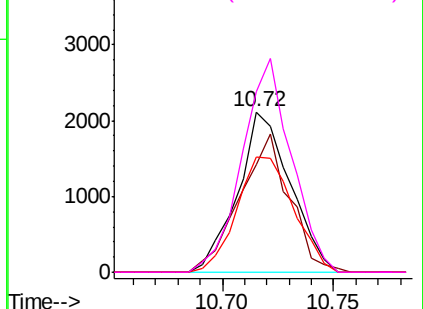
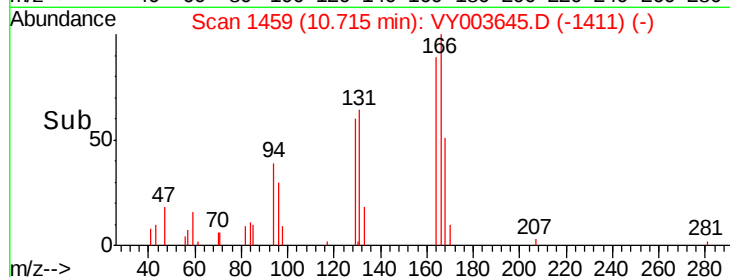
Abundance

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



#48

2-Hexanone

Concen: 2.773 ug/L

RT: 10.83 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Tgt Ion: 43 Resp: 5081

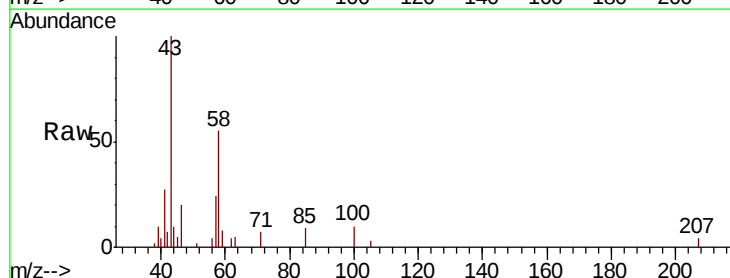
Ion Ratio Lower Upper

43 100

58 54.0 43.0 64.6

57 20.4 14.6 21.8

100 10.3 9.7 14.5



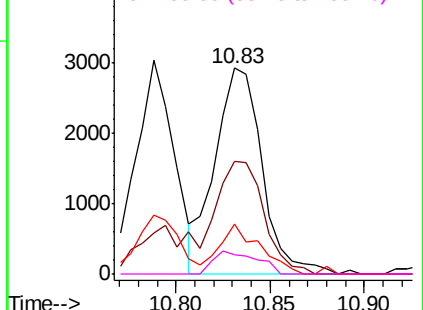
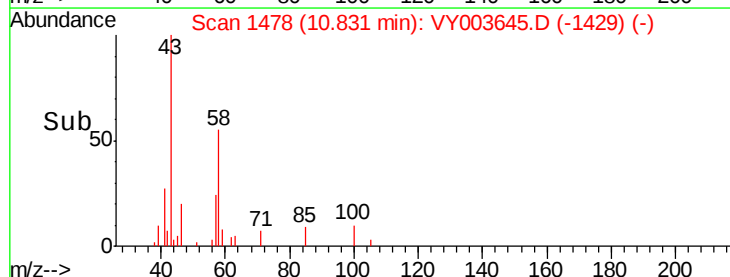
Abundance

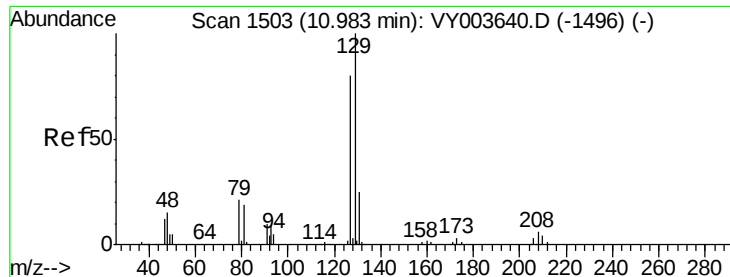
Ion 43.00 (42.70 to 43.70): VY0

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





#49

Dibromochloromethane

Concen: 1.256 ug/L

RT: 10.98 min Scan# 1503

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

ClientSampleId :

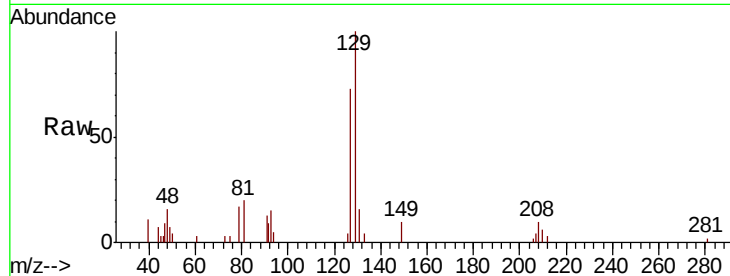
MDL01

Tot Ion:129 Resp: 3484

Ion Ratio Lower Upper

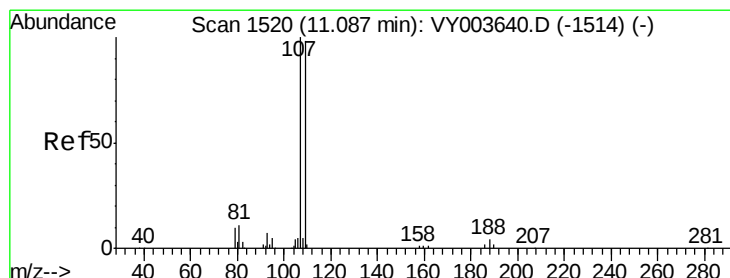
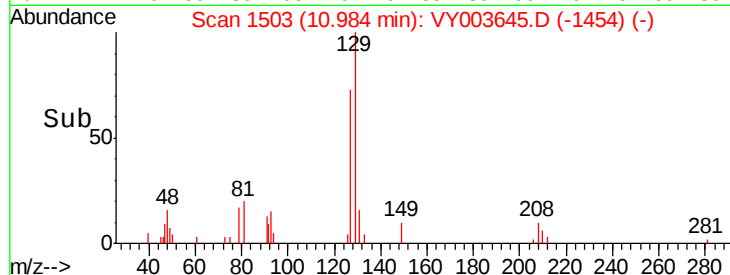
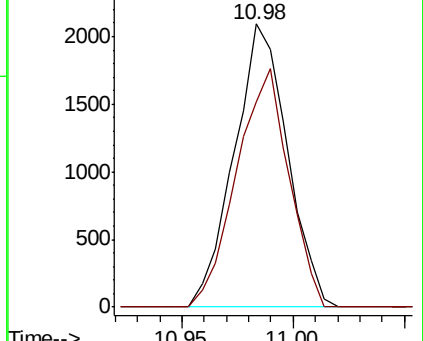
129 100

127 72.7 55.0 102.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 1.235 ug/L

RT: 11.09 min Scan# 1520

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

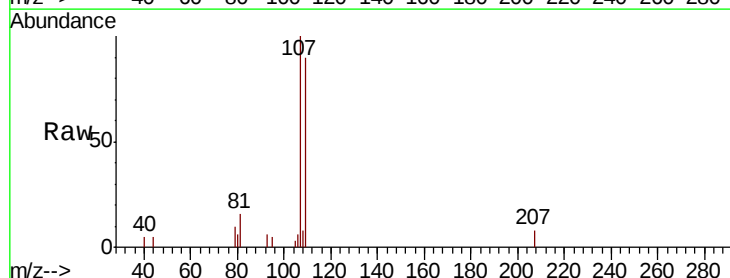
Tgt Ion:107 Resp: 2868

Ion Ratio Lower Upper

107 100

109 89.7 65.5 121.7

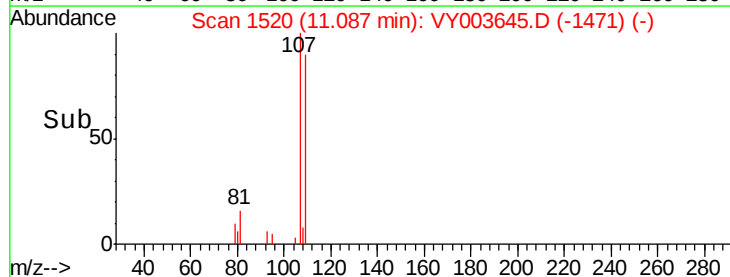
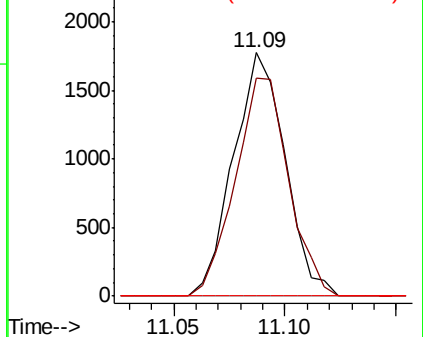
188 0.0 3.8 5.8#

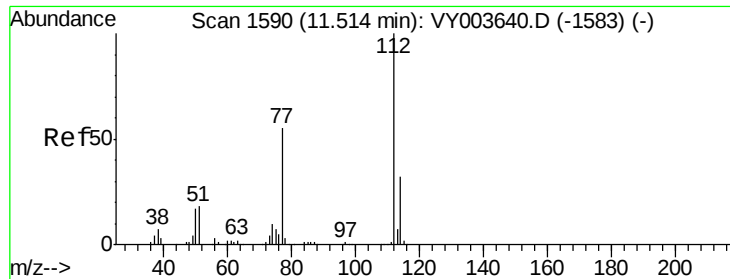


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 1.371 ug/L

RT: 11.51 min Scan# 1590

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

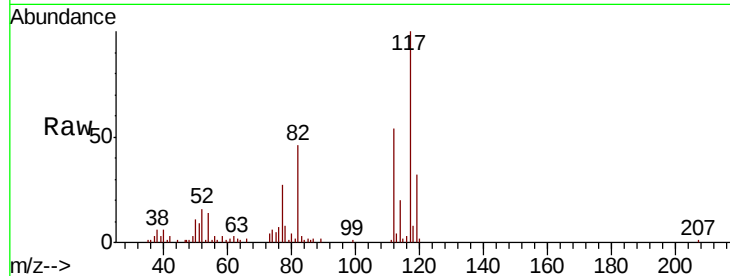
Tot Ion:112 Resp: 10454

Ion Ratio Lower Upper

112 100

114 37.4 22.2 41.2

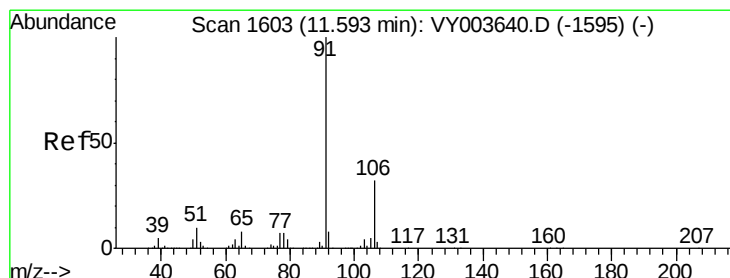
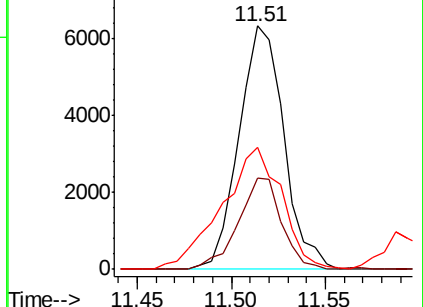
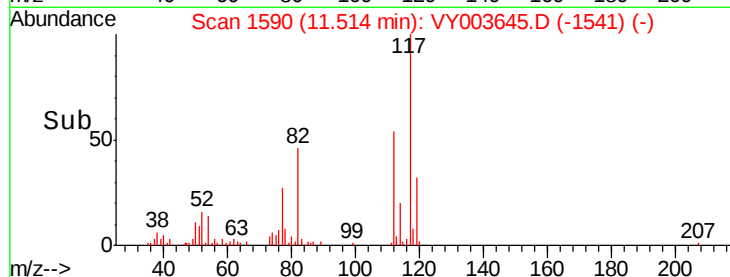
77 50.2 43.8 65.6



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): V



#52

Ethylbenzene

Concen: 1.218 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003645.D

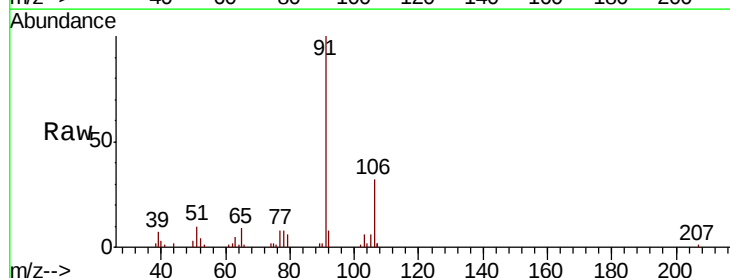
Acq: 02 Dec 2020 12:21

Tgt Ion: 91 Resp: 15420

Ion Ratio Lower Upper

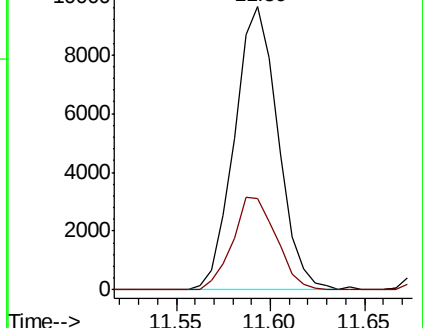
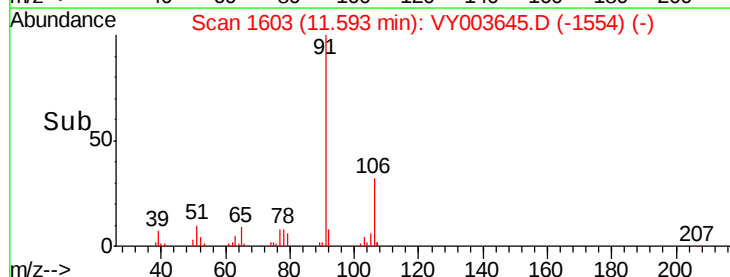
91 100

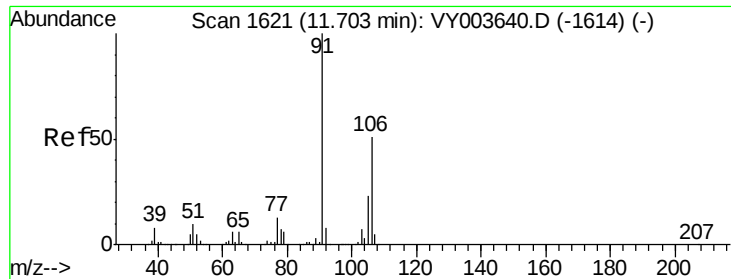
106 32.1 22.8 42.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 1.169 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

ClientSampled :

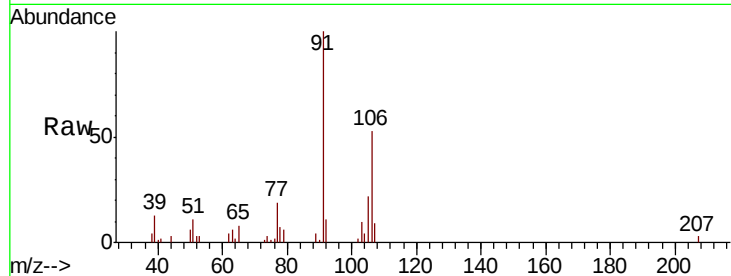
MDL01

Tot Ion:106 Resp: 5786

Ion Ratio Lower Upper

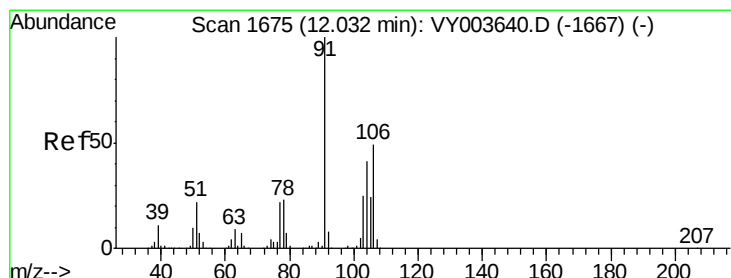
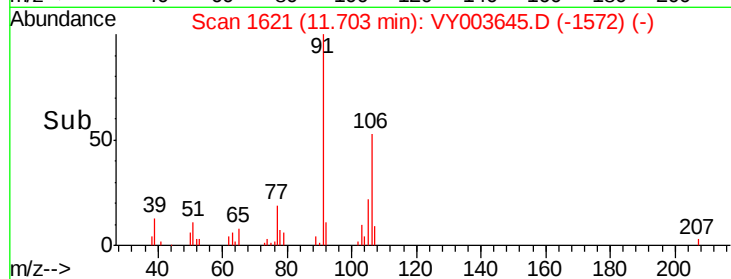
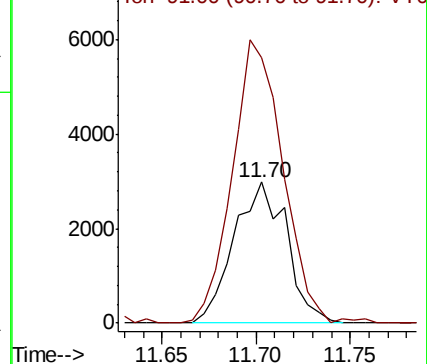
106 100

91 189.1 133.1 247.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#54

o-Xylene

Concen: 1.194 ug/L

RT: 12.03 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VY003645.D

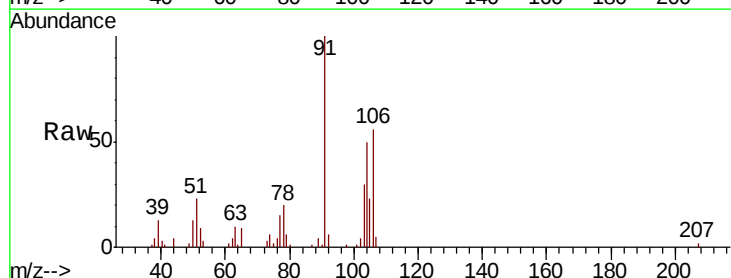
Acq: 02 Dec 2020 12:21

Tgt Ion:106 Resp: 5582

Ion Ratio Lower Upper

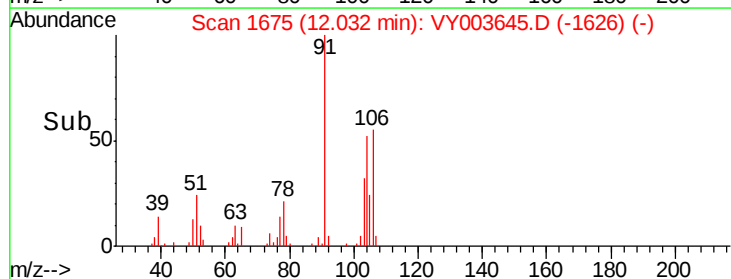
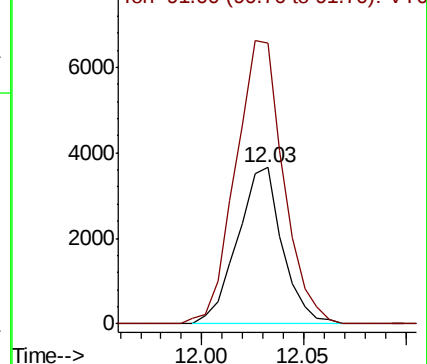
106 100

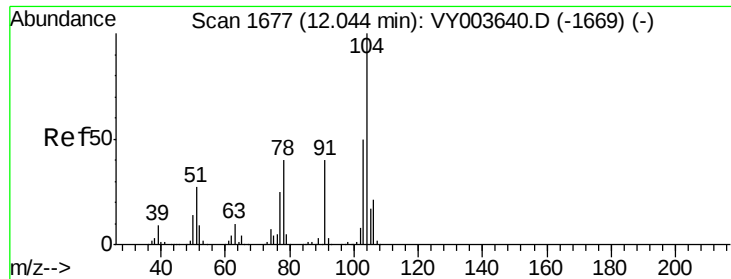
91 179.2 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#55

Stvrene

Concen: 1.129 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

ClientSampleId :

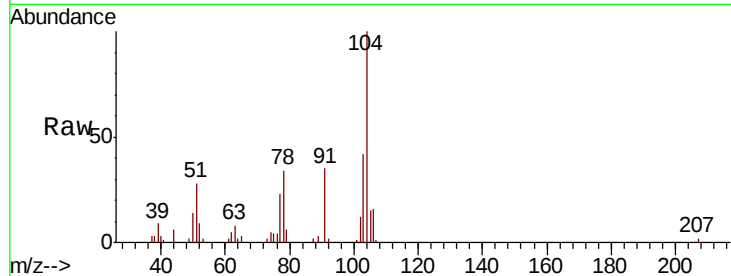
MDL01

Tot Ion:104 Resp: 9036

Ion Ratio Lower Upper

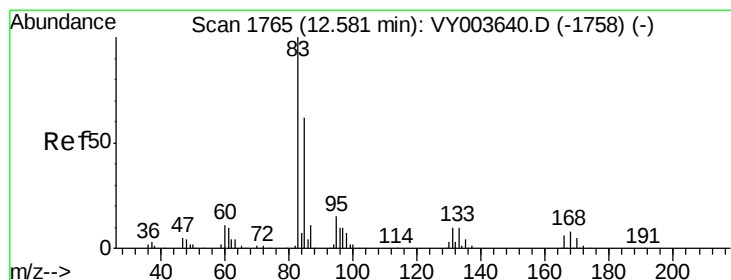
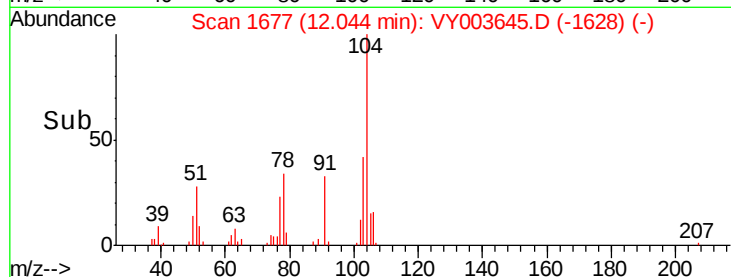
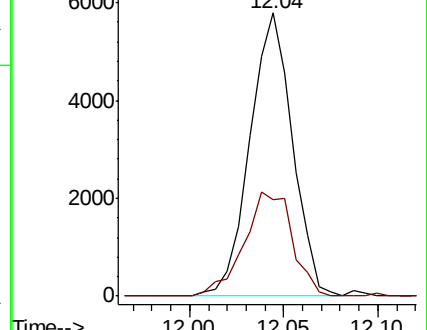
104 100

78 34.0 27.6 51.4



Abundance Ion 104.00 (103.70 to 104.70): VY003645.D (-1669) (-)

Ion 78.00 (77.70 to 78.70): VY003645.D (-1669) (-)



#57

1,1,2,2-Tetrachloroethane

Concen: 1.329 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

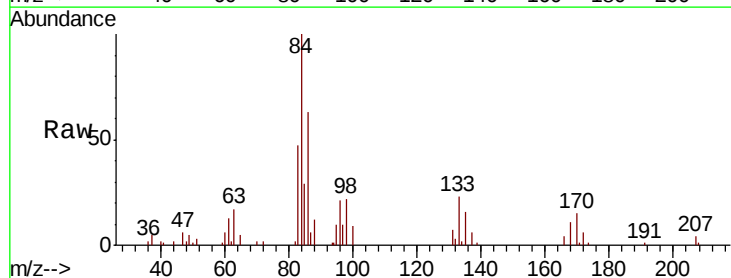
Tgt Ion: 83 Resp: 4227

Ion Ratio Lower Upper

83 100

85 62.9 46.1 85.7

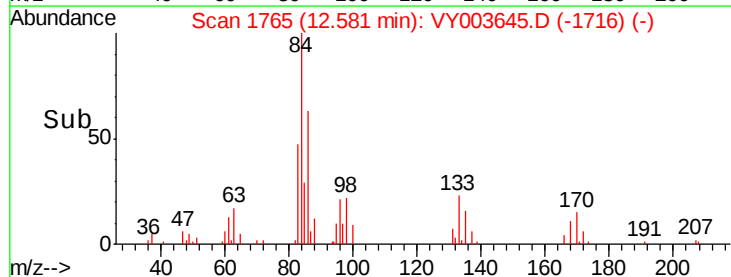
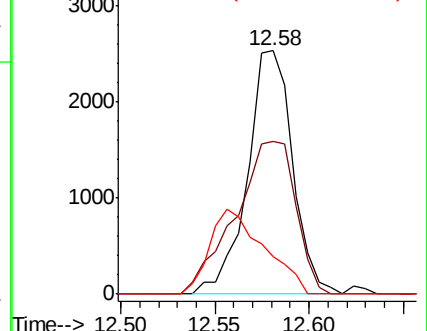
131 15.7 8.1 12.1#

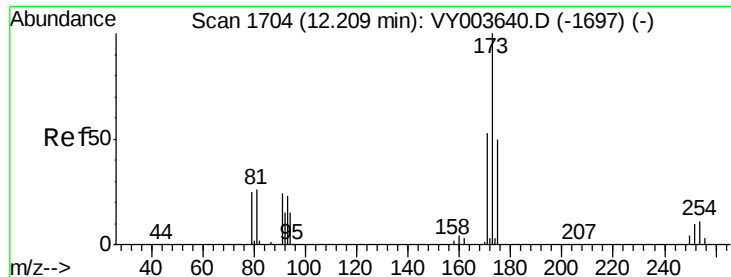


Abundance Ion 83.00 (82.70 to 83.70): VY003645.D (-1758) (-)

Ion 85.00 (84.70 to 85.70): VY003645.D (-1758) (-)

Ion 131.00 (130.70 to 131.70): VY003645.D (-1758) (-)





#59

Bromoform

Concen: 1.345 ug/L

RT: 12.21 min Scan# 1704

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

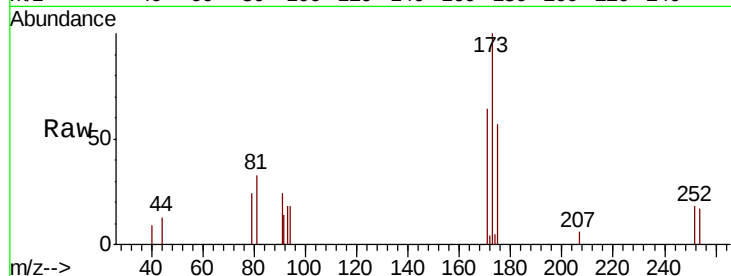
Tot Ion:173 Resp: 2324

Ion Ratio Lower Upper

173 100

175 48.6 38.2 57.4

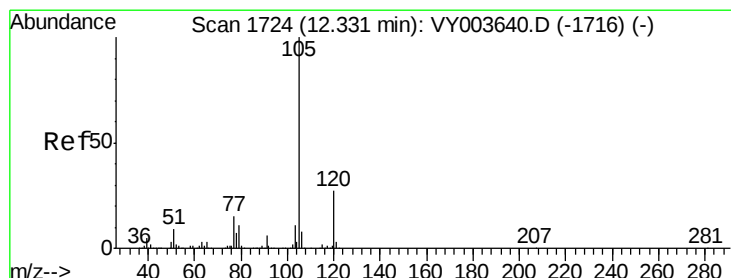
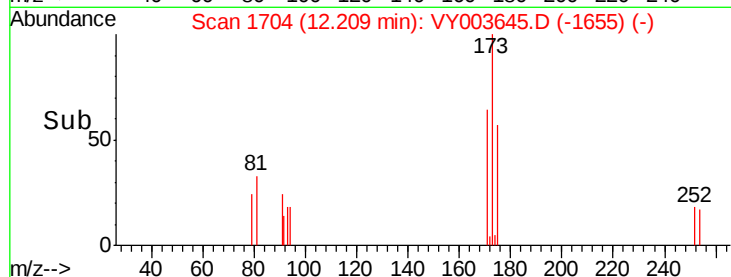
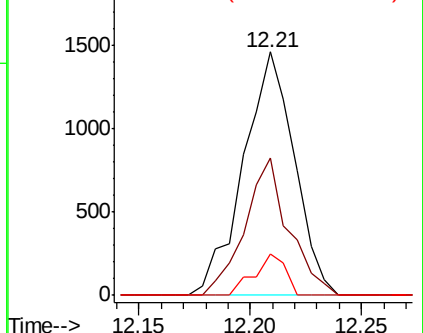
254 10.5 8.0 12.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#60

Isopropylbenzene

Concen: 1.190 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

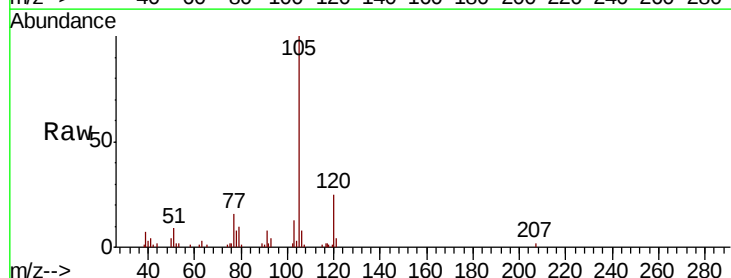
Tgt Ion:105 Resp: 13385

Ion Ratio Lower Upper

105 100

120 28.7 22.0 33.0

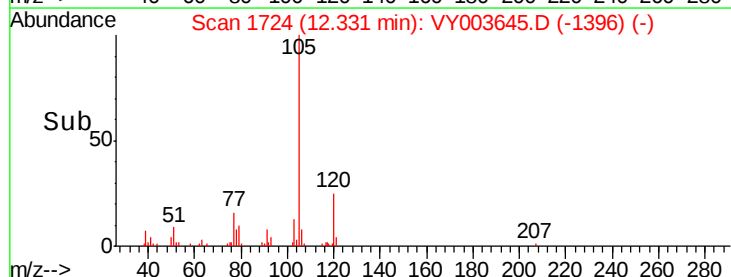
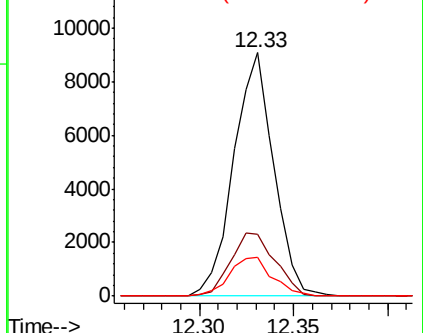
77 17.0 12.1 18.1

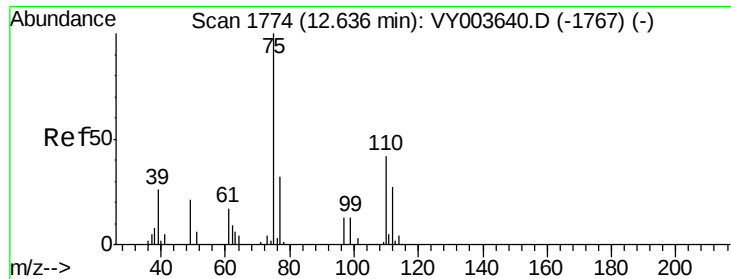


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VY0





#61

1,2,3-Trichloropropane

Concen: 1.401 ug/L

RT: 12.64 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

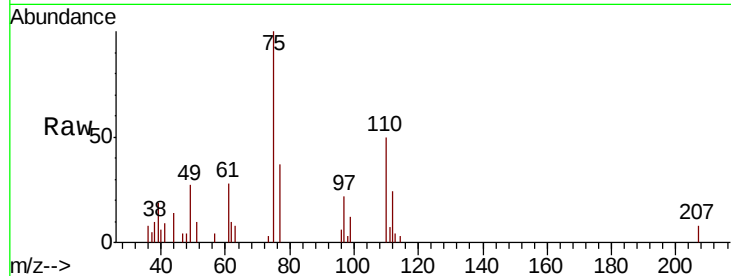
Tot Ion: 75 Resp: 2948

Ion Ratio Lower Upper

75 100

77 36.4 26.3 39.5

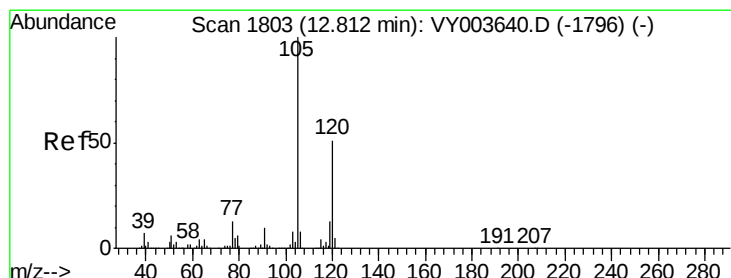
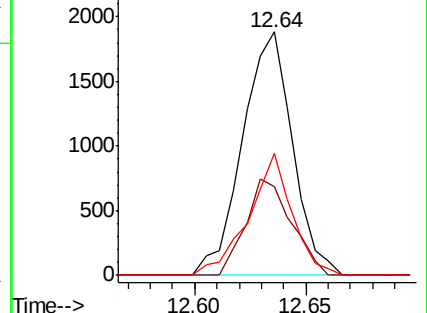
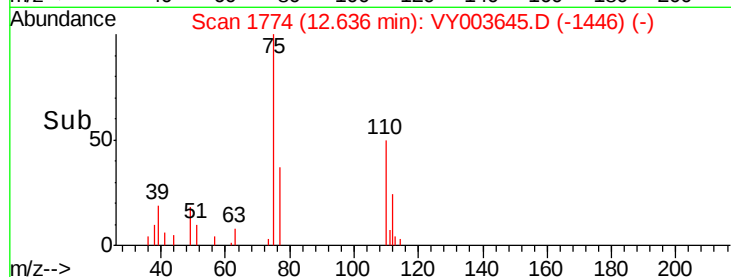
110 43.7 33.0 49.4



Abundance Ion 75.00 (74.70 to 75.70): VY003645.D (-1767) (-)

Ion 77.00 (76.70 to 77.70): VY003645.D (-1767) (-)

Ion 110.00 (109.70 to 110.70): VY003645.D (-1767) (-)



#62

1,3,5-Trimethylbenzene

Concen: 1.166 ug/L

RT: 12.81 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VY003645.D

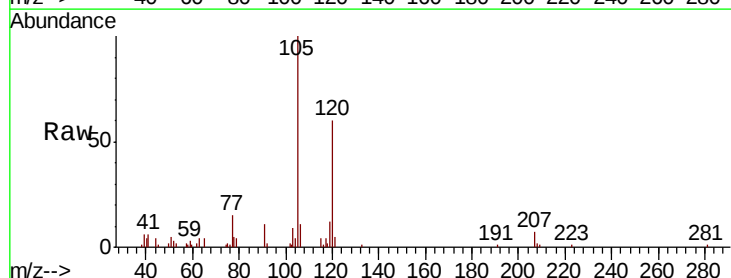
Acq: 02 Dec 2020 12:21

Tgt Ion: 105 Resp: 10405

Ion Ratio Lower Upper

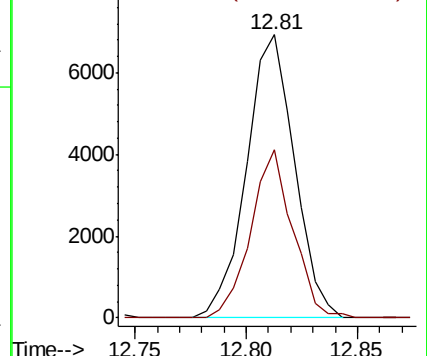
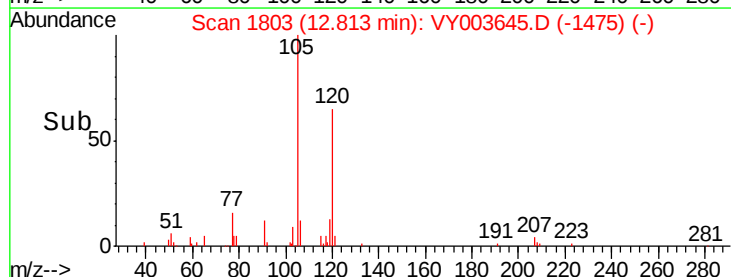
105 100

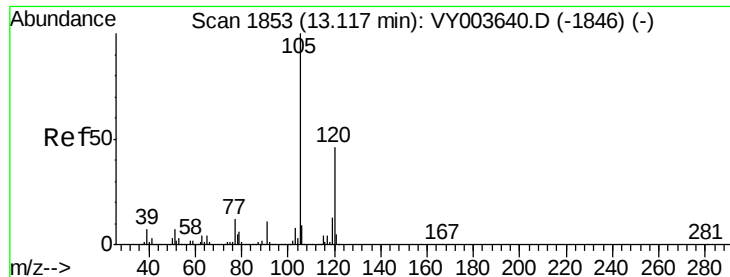
120 52.1 40.4 60.6



Abundance Ion 105.00 (104.70 to 105.70): VY003645.D (-1475) (-)

Ion 120.00 (119.70 to 120.70): VY003645.D (-1475) (-)





#63

1,2,4-Trimethylbenzene

Concen: 1.123 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

ClientSampleId :

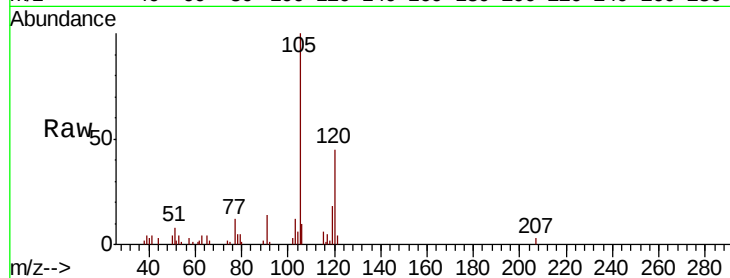
MDL01

Tot Ion:105 Resp: 9897

Ion Ratio Lower Upper

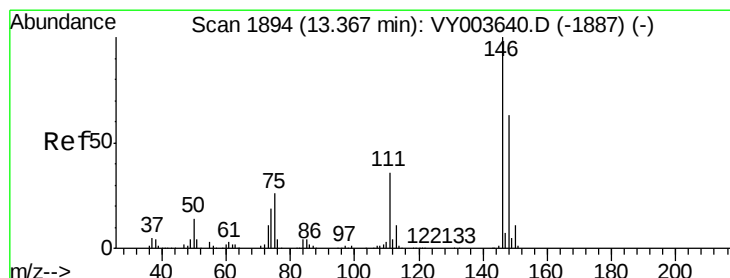
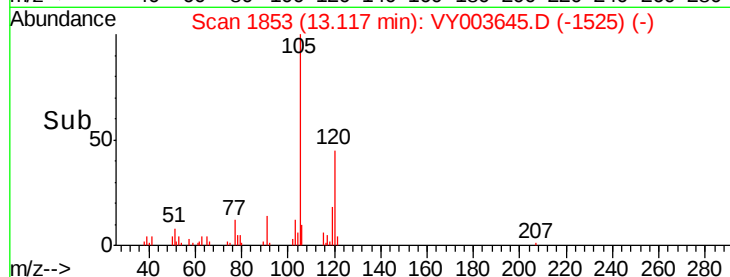
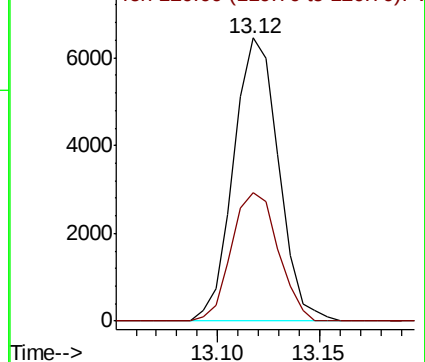
105 100

120 46.9 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: 1.316 ug/L

RT: 13.36 min Scan# 1893

Delta R.T. -0.01 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

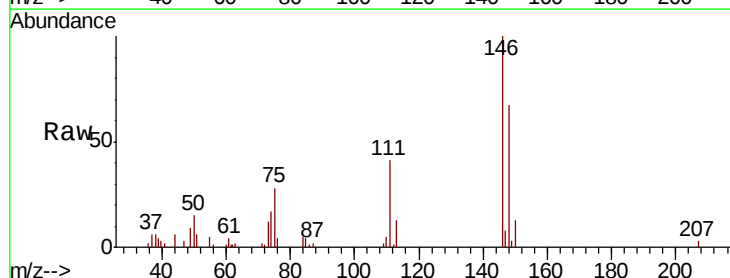
Tgt Ion:146 Resp: 7163

Ion Ratio Lower Upper

146 100

111 40.7 26.6 49.4

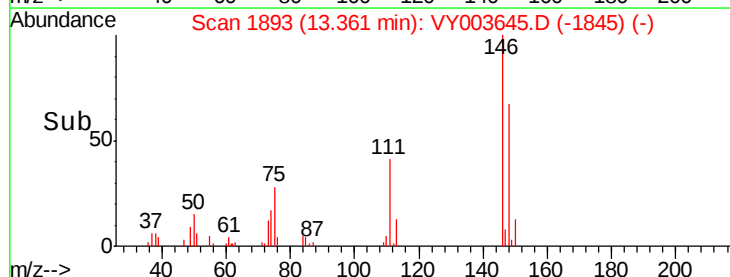
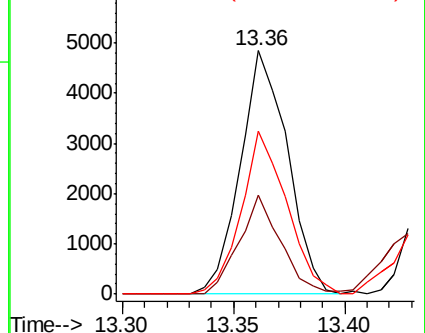
148 66.8 46.3 86.1

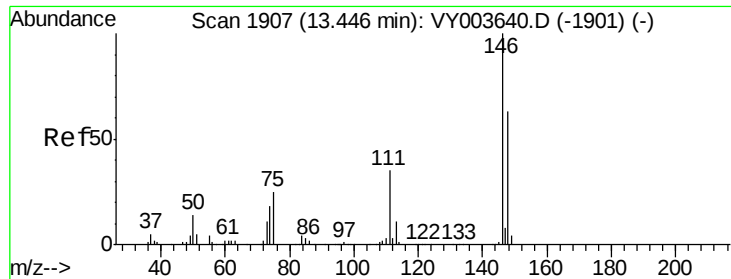


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,4-Dichlorobenzene

Concen: 1.316 ug/L

RT: 13.45 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

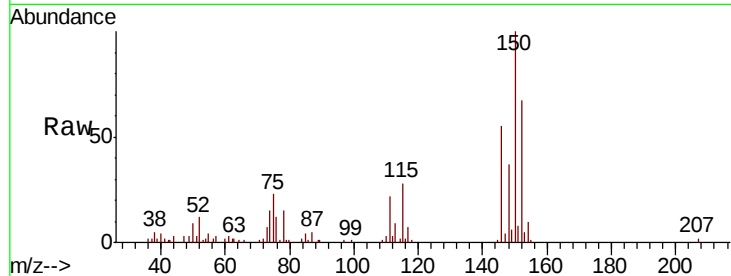
Tot Ion:146 Resp: 7281

Ion Ratio Lower Upper

146 100

111 40.0 24.7 45.9

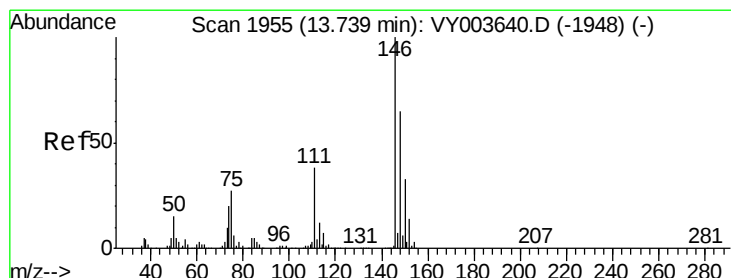
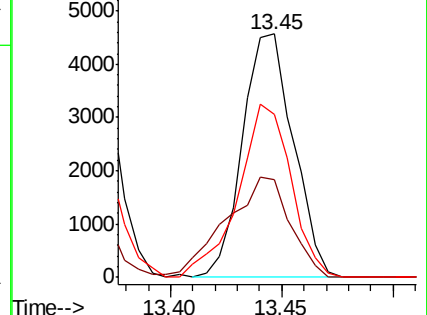
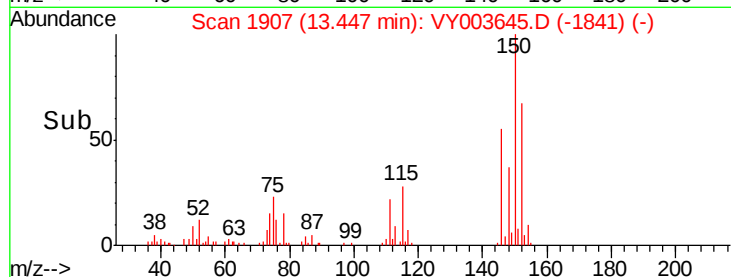
148 66.8 43.4 80.6



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: 1.376 ug/L

RT: 13.74 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

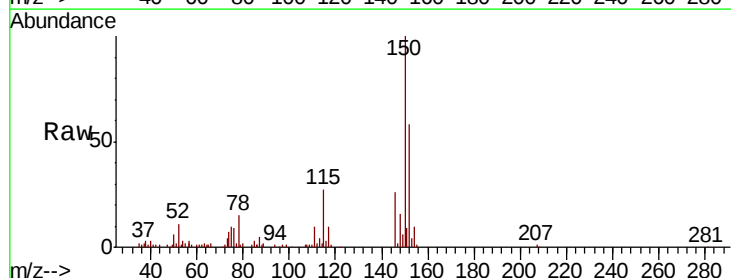
Tgt Ion:146 Resp: 7032

Ion Ratio Lower Upper

146 100

111 40.4 31.0 46.6

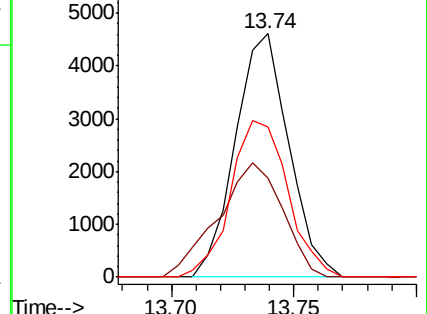
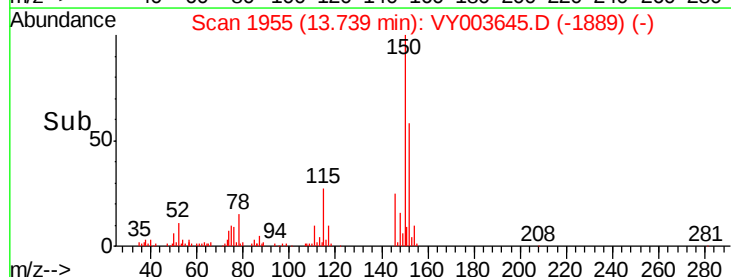
148 61.8 51.0 76.4

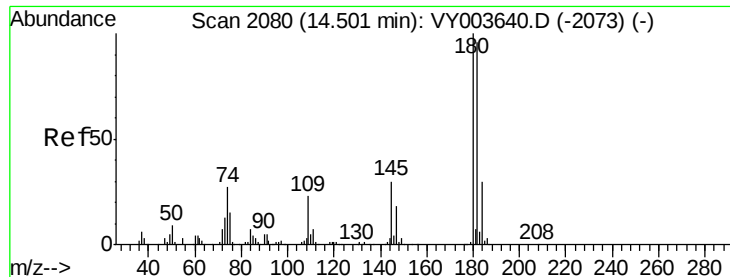


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

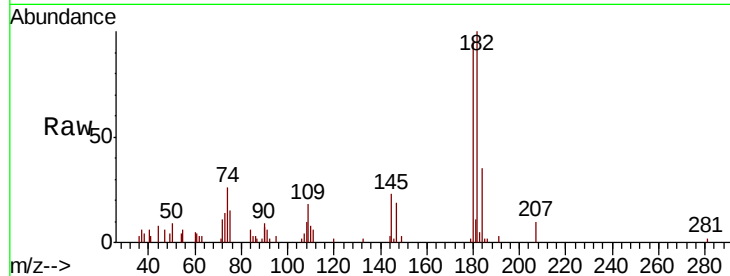




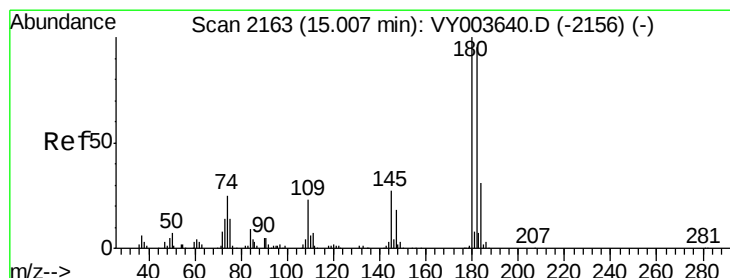
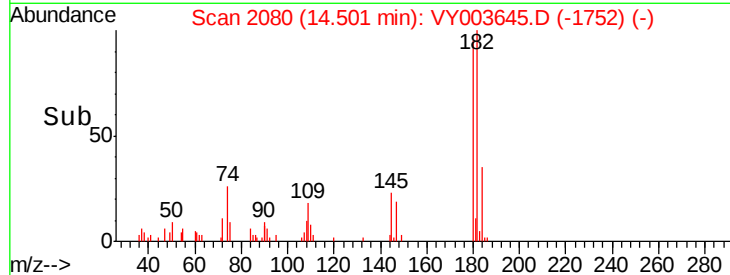
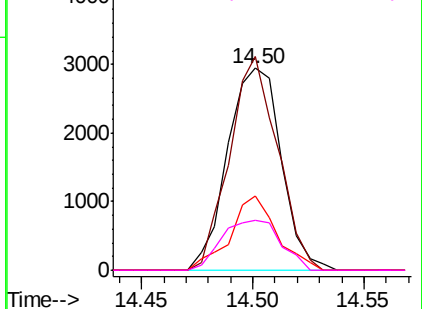
#69
 1,3,5-Trichlorobenzene
 Concen: 1.292 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VY003645.D
 Acq: 02 Dec 2020 12:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

Tot Ion:180 Resp: 4942
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.4 113.0
 184 31.9 24.1 36.1
 145 27.1 22.4 33.6

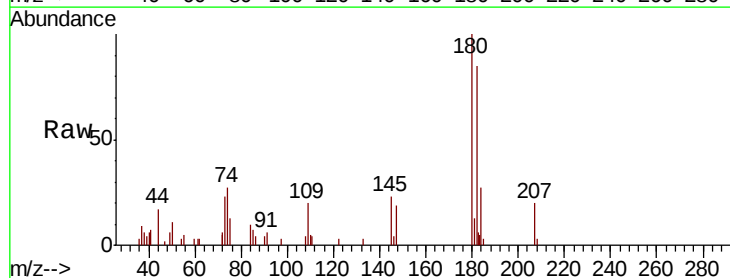


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

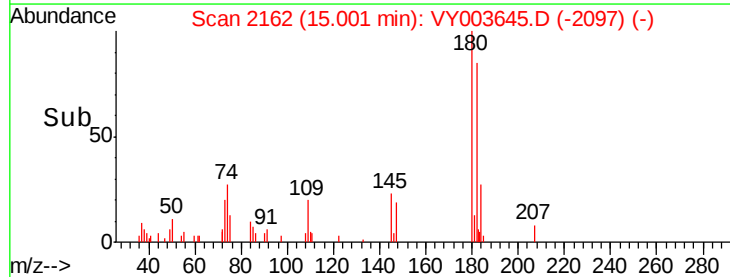
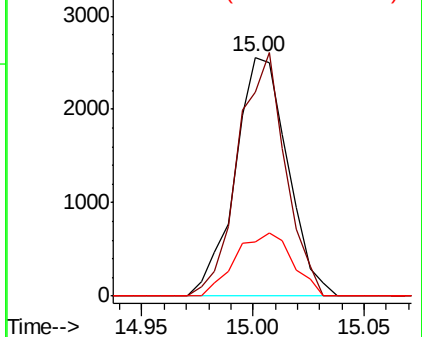


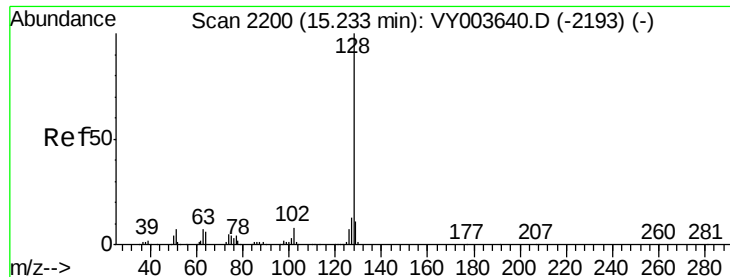
#70
 1,2,4-trichlorobenzene
 Concen: 1.290 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. -0.01 min
 Lab File: VY003645.D
 Acq: 02 Dec 2020 12:21

Tgt Ion:180 Resp: 4203
 Ion Ratio Lower Upper
 180 100
 182 91.6 76.1 114.1
 145 28.7 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

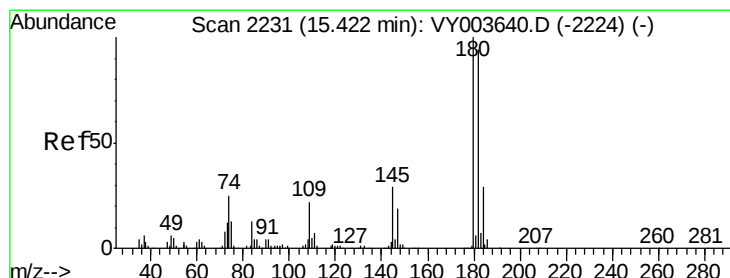
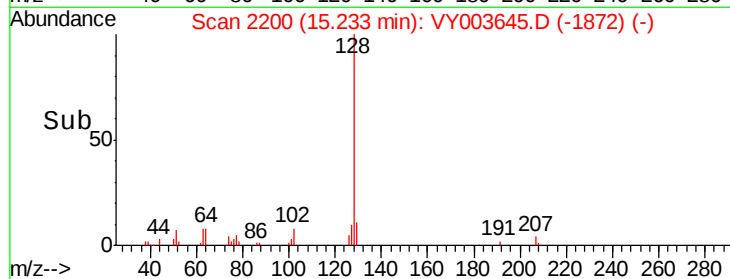
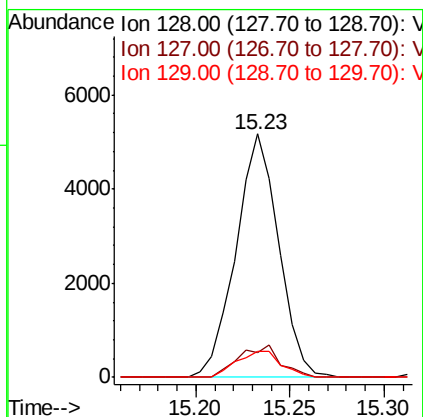
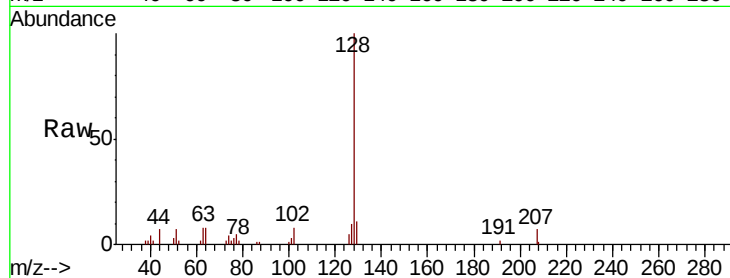




#71
Naphthalene
Concen: 1.141 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VY003645.D
Acq: 02 Dec 2020 12:21

Instrument :
MSVOA_Y
ClientSampleId :
MDL01

Tot Ion:128 Resp: 8118
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.3 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 1.314 ug/L
RT: 15.42 min Scan# 2231
Delta R.T. 0.00 min
Lab File: VY003645.D
Acq: 02 Dec 2020 12:21

Tgt Ion:180 Resp: 3933
Ion Ratio Lower Upper
180 100
182 95.3 76.2 114.4
145 24.6 23.6 35.4

