

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120220\
 Data File : VY003647.D
 Acq On : 02 Dec 2020 13:05
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

Quant Time: Dec 03 01:06:10 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	205394	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	189145	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	90439	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	57587	21.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.84%
7) Chloroethane-d5	2.77	69	47672	22.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	3.86	63	92298	17.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.12%
21) 2-Butanone-d5	6.90	46	61642	53.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.00%
24) Chloroform-d	7.49	84	115232	22.12	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.48%
26) 1,2-Dichloroethane-d4	8.15	65	63746	22.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.36%
32) Benzene-d6	8.12	84	248449	23.11	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.44%
36) 1,2-Dichloropropane-d6	9.12	67	75456	23.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.20%
41) Toluene-d8	10.18	98	219256	22.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.32%
43) trans-1,3-Dichloropropene-	10.44	79	34569	22.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.20%
47) 2-Hexanone-d5	10.79	63	44094	50.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.80%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	77650	23.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.80%
66) 1,2-Dichlorobenzene-d4	13.72	152	73884	23.02	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.91	85	3278	1.375	ug/L	96
3) Chloromethane	2.12	50	3537	1.368	ug/L	91
5) Vinyl chloride	2.25	62	3888	1.402	ug/L	84
6) Bromomethane	2.66	94	2432	1.400	ug/L	98
9) Trichlorofluoromethane	3.14	101	5660	1.344	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.92	101	1713	0.610	ug/L #	17
12) 1,1-Dichloroethene	3.88	96	4240	1.588	ug/L #	1
14) Carbon disulfide	4.20	76	11106	1.259	ug/L #	88
16) Methylene chloride	4.73	84	10306	2.972	ug/L	90
17) trans-1,2-Dichloroethene	5.23	96	3640	1.241	ug/L	90
18) Methyl tert-butyl Ether	5.23	73	8102	1.131	ug/L #	70
19) 1,1-Dichloroethane	6.03	63	4038	0.818	ug/L	97
20) cis-1,2-Dichloroethene	6.99	96	3954	1.286	ug/L	99
22) 2-Butanone	6.99	43	4595	3.310	ug/L #	56
23) Bromochloromethane	7.35	128	1910	1.274	ug/L	80
27) 1,2-Dichloroethane	8.25	62	1782	0.547	ug/L	96
29) Cyclohexane	7.79	56	4863	1.083	ug/L	96

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 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)

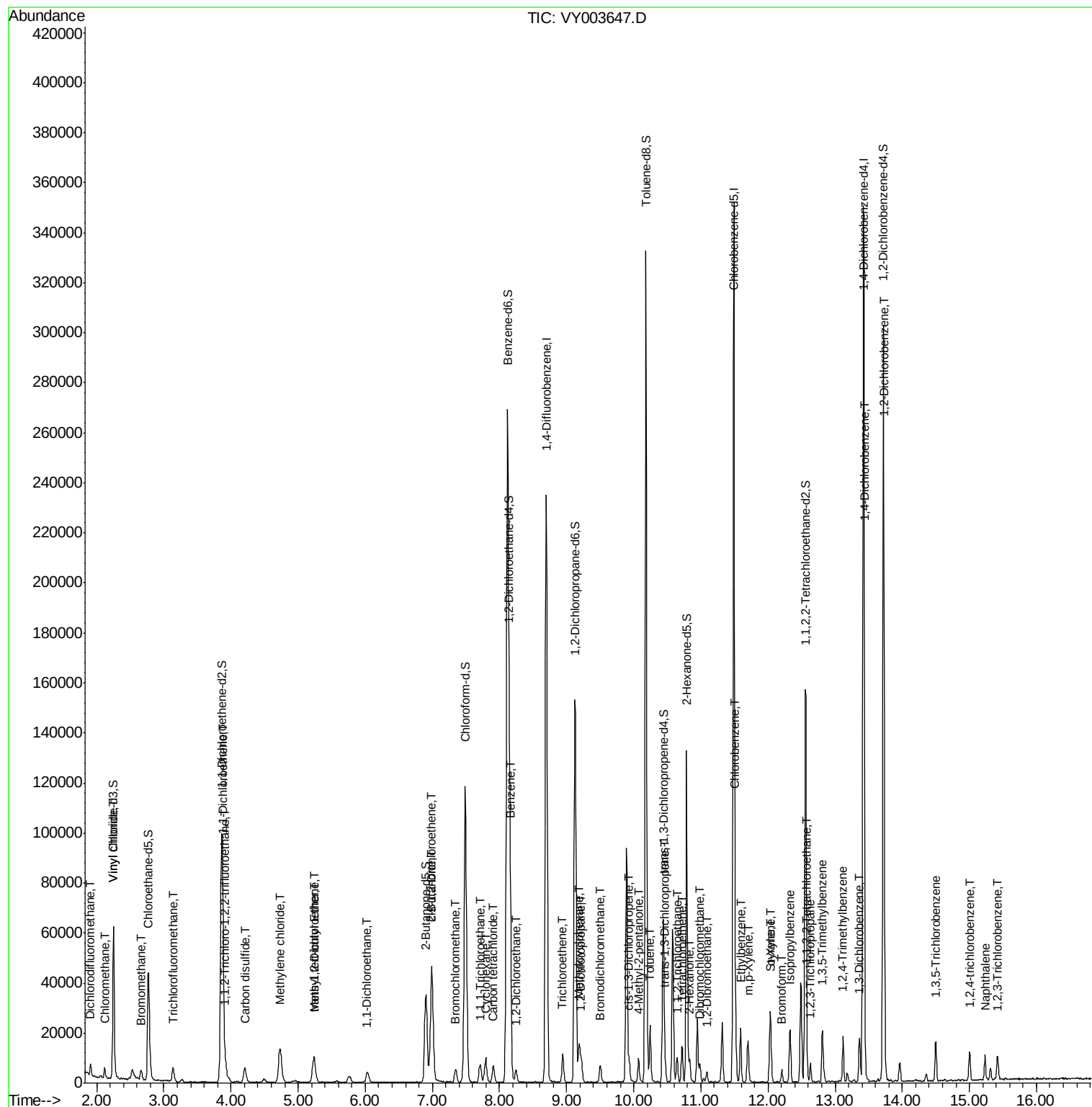
30) 1,1,1-Trichloroethane	7.71	97	5425	1.258	ug/L	97
31) Carbon tetrachloride	7.91	117	4971	1.277	ug/L	92
33) Benzene	8.17	78	14119	1.221	ug/L	100
34) Trichloroethene	8.95	95	3544	1.228	ug/L	88
35) Methylcyclohexane	9.18	83	5663	1.148	ug/L	96
37) 1,2-Dichloropropane	9.22	63	3471	1.183	ug/L #	95
38) Bromodichloromethane	9.50	83	4380	1.186	ug/L	87
39) cis-1,3-Dichloropropene	9.93	75	4993	1.101	ug/L	94
40) 4-Methyl-2-pentanone	10.07	43	6921	2.686	ug/L	99
42) Toluene	10.25	91	15043	1.239	ug/L	98
44) trans-1,3-Dichloropropene	10.46	75	6330	1.513	ug/L	85
45) 1,1,2-Trichloroethane	10.65	97	3070	1.246	ug/L	92
46) Tetrachloroethene	10.72	164	3289	1.332	ug/L	92
48) 2-Hexanone	10.83	43	5098	2.711	ug/L #	96
49) Dibromochloromethane	10.98	129	3254	1.143	ug/L	96
50) 1,2-Dibromoethane	11.09	107	2946	1.236	ug/L	95
51) Chlorobenzene	11.51	112	9427	1.205	ug/L	91
52) Ethylbenzene	11.59	91	14539	1.119	ug/L	96
53) m,p-Xylene	11.70	106	5838	1.149	ug/L	88
54) o-Xylene	12.03	106	5612	1.169	ug/L	71
55) Styrene	12.04	104	8475	1.032	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.59	83	4222	1.293	ug/L #	91
59) Bromoform	12.21	173	2210	1.245	ug/L	95
60) Isopropylbenzene	12.33	105	12945	1.120	ug/L	98
61) 1,2,3-Trichloropropane	12.63	75	2984	1.380	ug/L	97
62) 1,3,5-Trimethylbenzene	12.81	105	10297	1.123	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	9376	1.035	ug/L	95
64) 1,3-Dichlorobenzene	13.37	146	6848	1.224	ug/L	93
65) 1,4-Dichlorobenzene	13.44	146	7315	1.287	ug/L #	90
67) 1,2-Dichlorobenzene	13.73	146	6551	1.247	ug/L #	94
69) 1,3,5-Trichlorobenzene	14.50	180	4907	1.249	ug/L	97
70) 1,2,4-trichlorobenzene	15.01	180	3809	1.138	ug/L	94
71) Naphthalene	15.23	128	7536	1.031	ug/L	98
72) 1,2,3-Trichlorobenzene	15.42	180	3402	1.107	ug/L	97

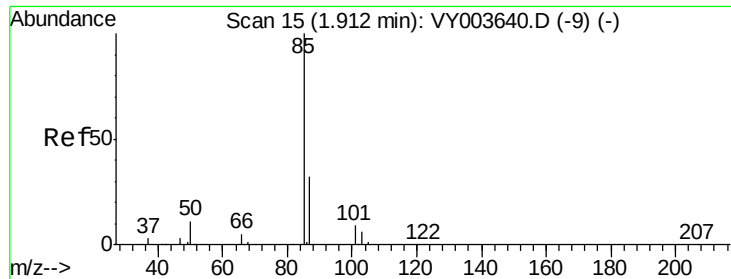
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.375 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.01 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Instrument :

MSVOA_Y

ClientSampled :

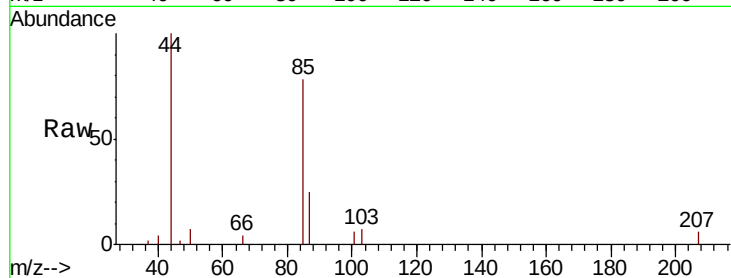
MDL03

Tot Ion: 85 Resp: 3278

Ion Ratio Lower Upper

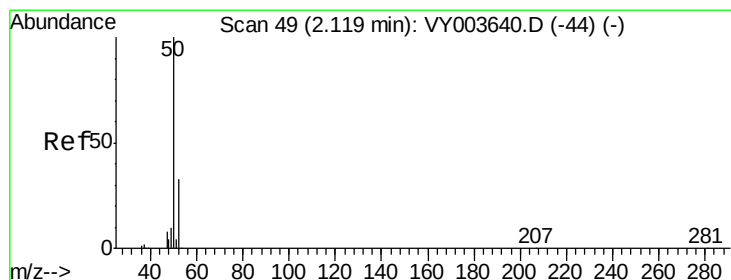
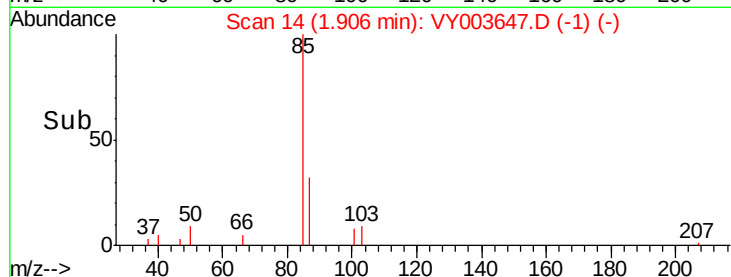
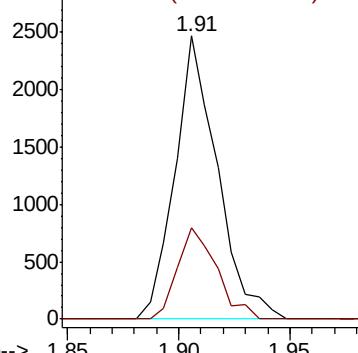
85 100

87 29.7 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: 1.368 ug/L

RT: 2.12 min Scan# 49

Delta R.T. -0.00 min

Lab File: VY003647.D

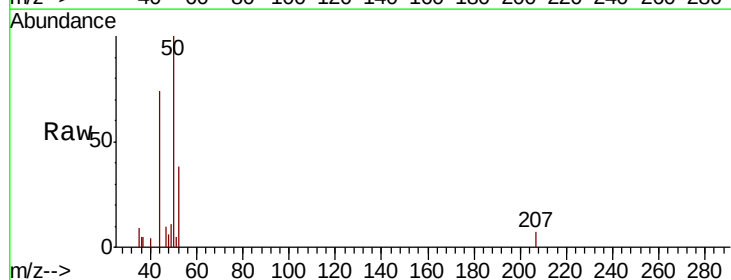
Acq: 02 Dec 2020 13:05

Tgt Ion: 50 Resp: 3537

Ion Ratio Lower Upper

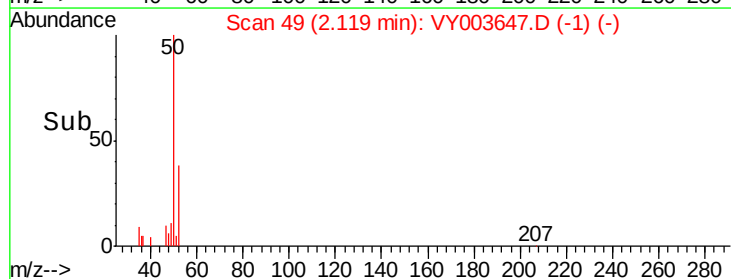
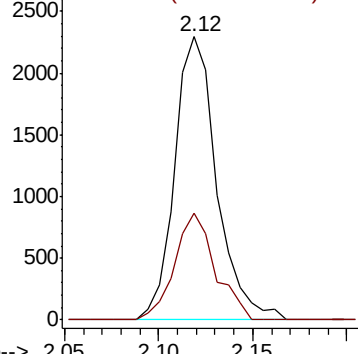
50 100

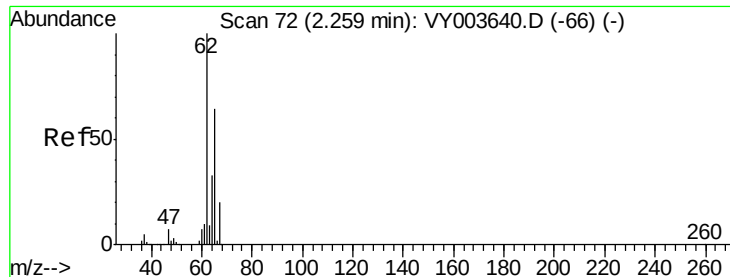
52 37.5 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 1.402 ug/L

RT: 2.25 min Scan# 71

Delta R.T. -0.01 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Instrument :

MSVOA_Y

ClientSampled :

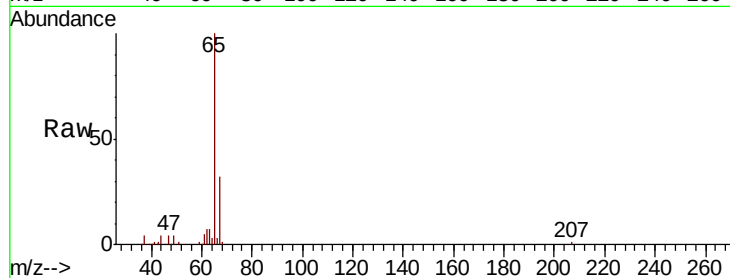
MDL03

Tot Ion: 62 Resp: 3888

Ion Ratio Lower Upper

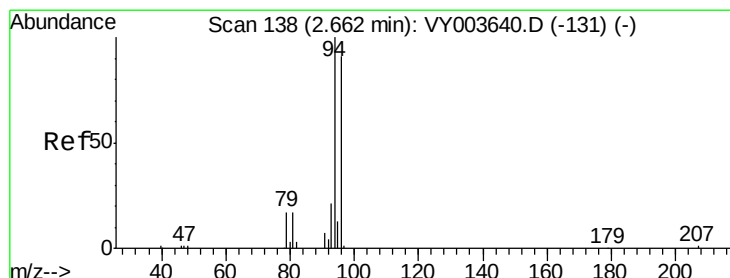
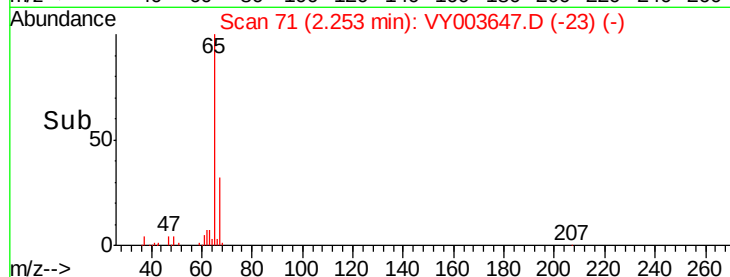
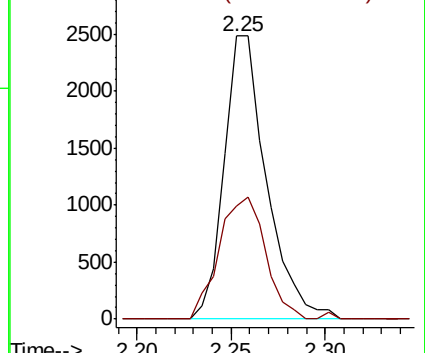
62 100

64 40.1 21.9 40.7



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 1.400 ug/L

RT: 2.66 min Scan# 138

Delta R.T. -0.00 min

Lab File: VY003647.D

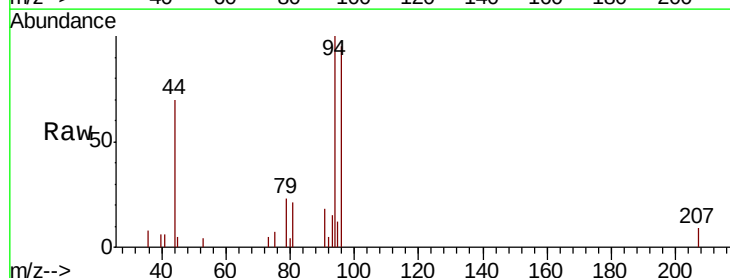
Acq: 02 Dec 2020 13:05

Tgt Ion: 94 Resp: 2432

Ion Ratio Lower Upper

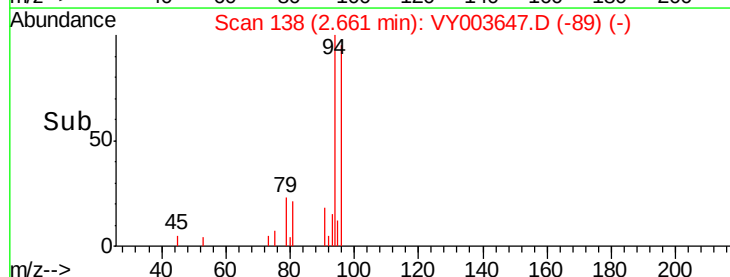
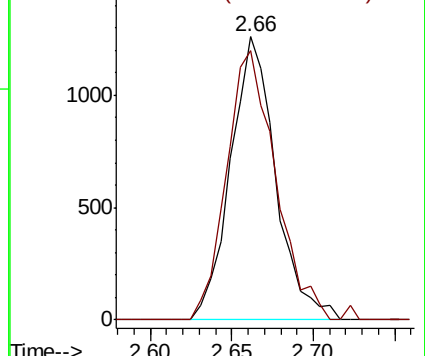
94 100

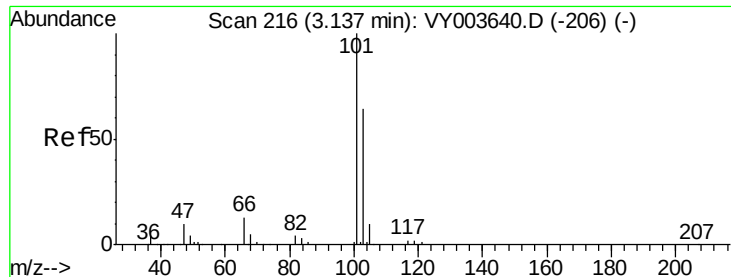
96 95.1 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#9

Trichlorofluoromethane

Concen: 1.344 ug/L

RT: 3.14 min Scan# 216

Delta R.T. -0.00 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

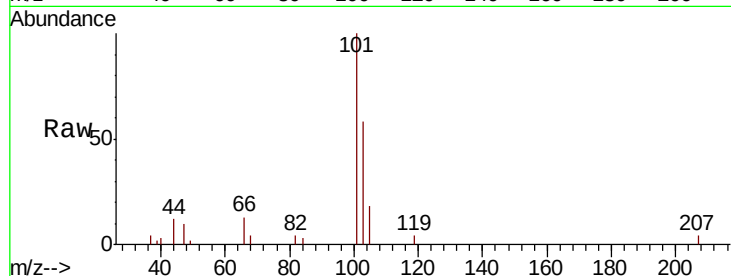
MDL03

Tot Ion:101 Resp: 5660

Ion Ratio Lower Upper

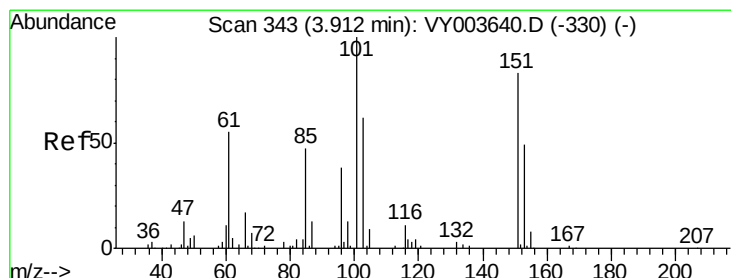
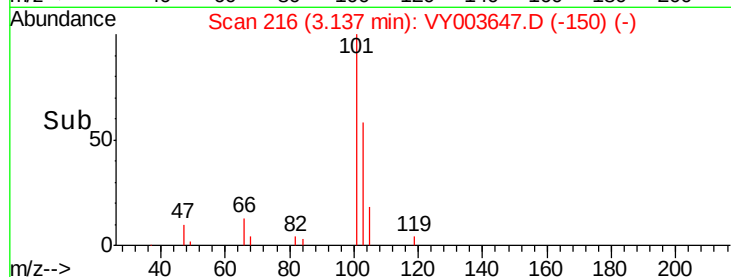
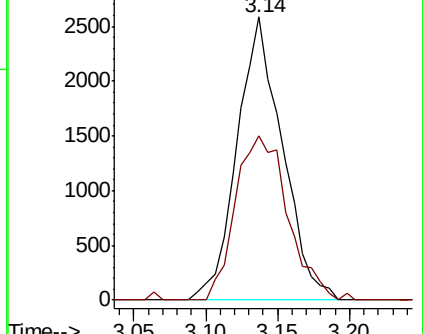
101 100

103 66.9 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: 0.610 ug/L

RT: 3.92 min Scan# 344

Delta R.T. 0.01 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

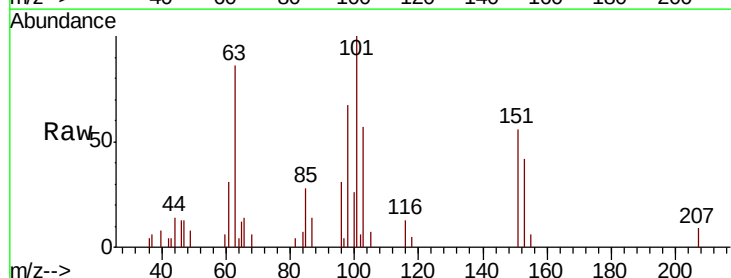
Tgt Ion:101 Resp: 1713

Ion Ratio Lower Upper

101 100

85 0.0 35.6 53.4#

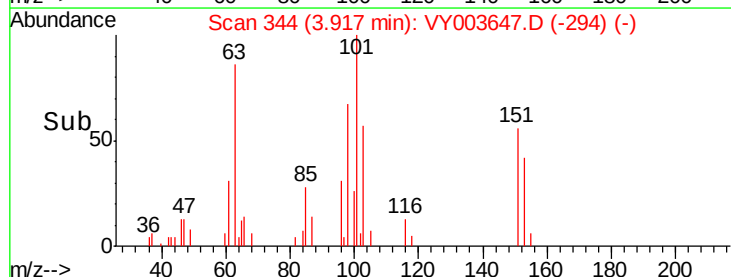
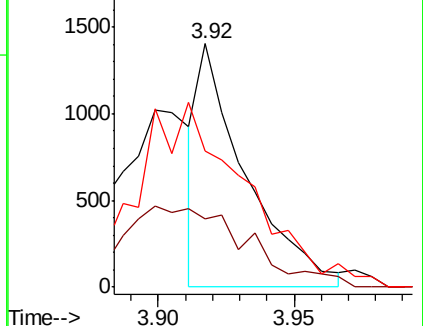
151 0.0 64.2 96.2#

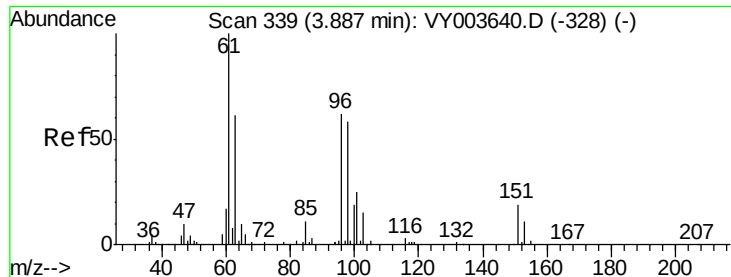


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VY0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 1.588 ug/L

RT: 3.88 min Scan# 338

Delta R.T. -0.01 min

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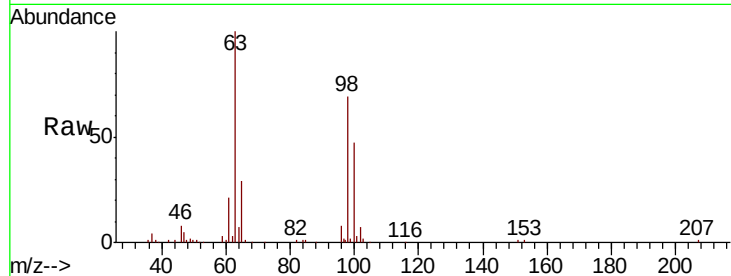
Tot Ion: 96 Resp: 4240

Ion Ratio Lower Upper

96 100

61 262.7 106.1 197.1#

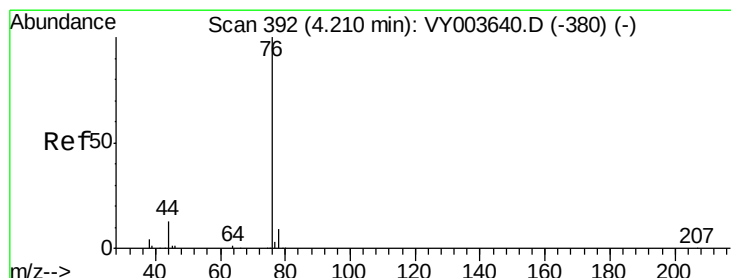
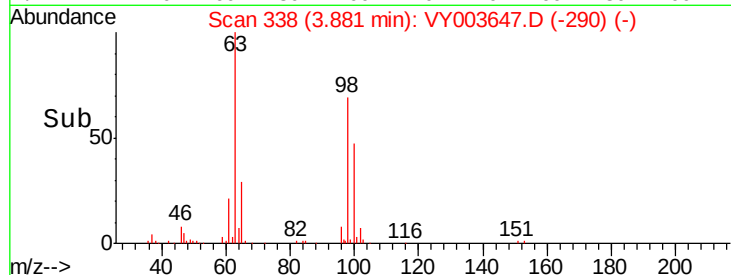
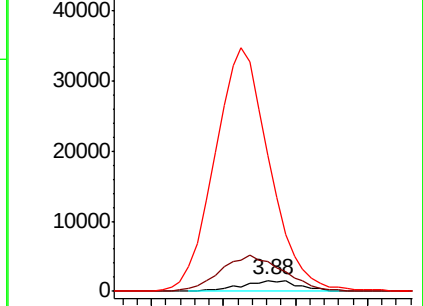
63 1223.2 62.9 116.9#



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



#14

Carbon disulfide

Concen: 1.259 ug/L

RT: 4.20 min Scan# 391

Delta R.T. -0.01 min

Lab File: VY003647.D

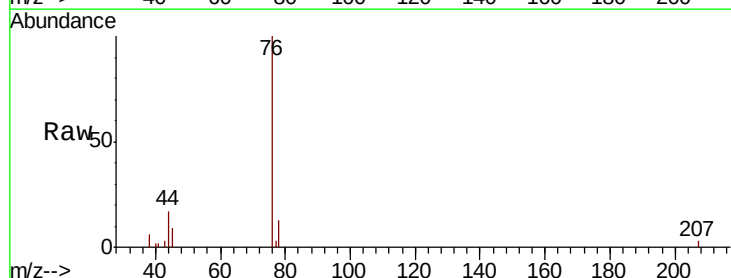
Acq: 02 Dec 2020 13:05

Tgt Ion: 76 Resp: 11106

Ion Ratio Lower Upper

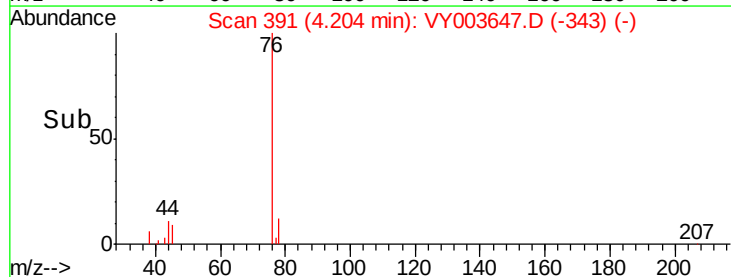
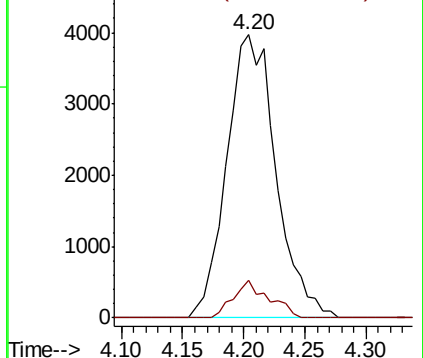
76 100

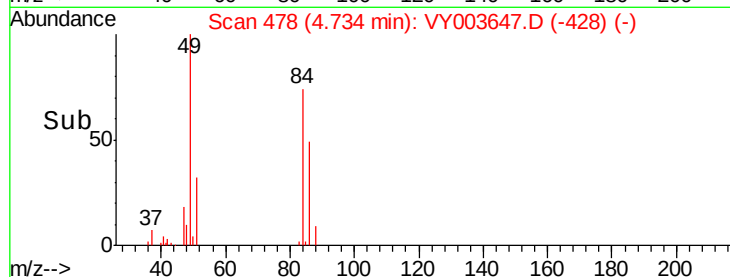
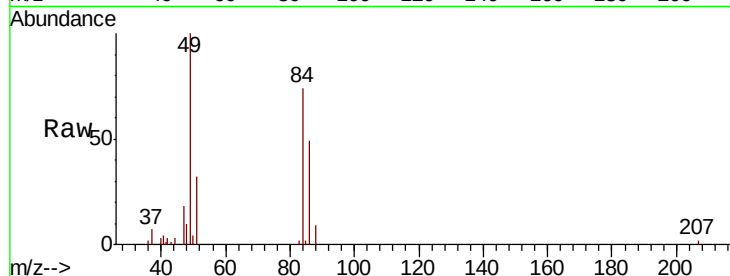
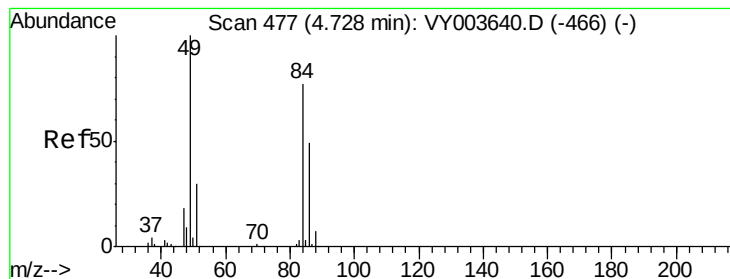
78 13.4 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0





#16

Methylene chloride

Concen: 2.972 ug/L

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VY003647.D

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Instrument :

MSVOA_Y

ClientSampled :

MDL03

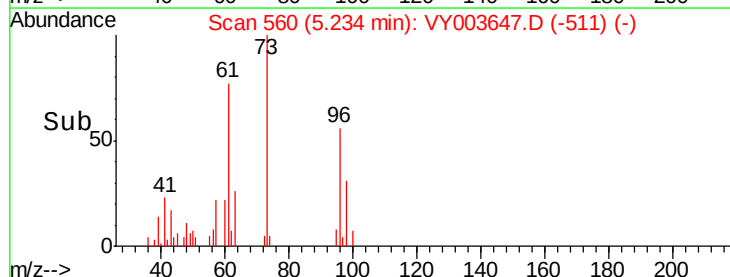
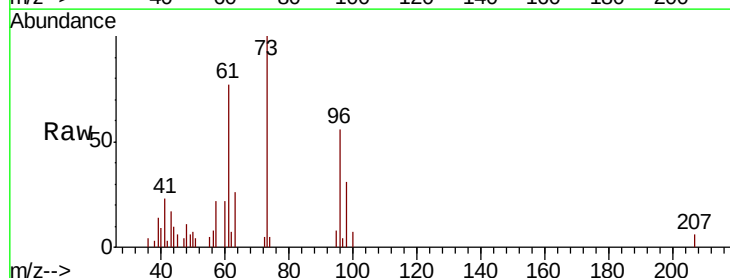
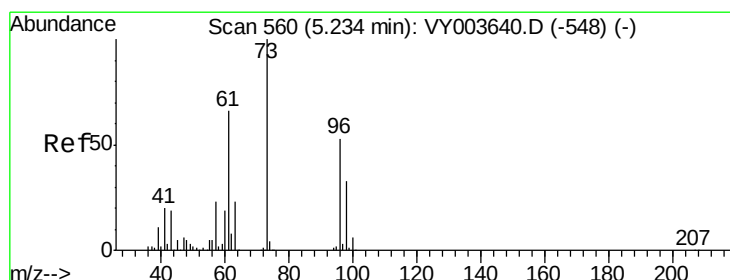
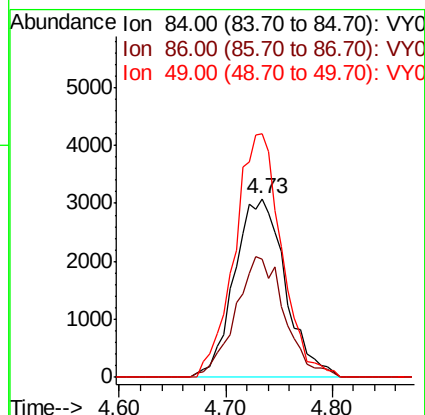
Tot Ion: 84 Resp: 10306

Ion Ratio Lower Upper

84 100

86 66.2 43.3 80.3

49 136.1 85.3 158.5



#17

trans-1,2-Dichloroethene

Concen: 1.241 ug/L

RT: 5.23 min Scan# 560

Delta R.T. -0.00 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

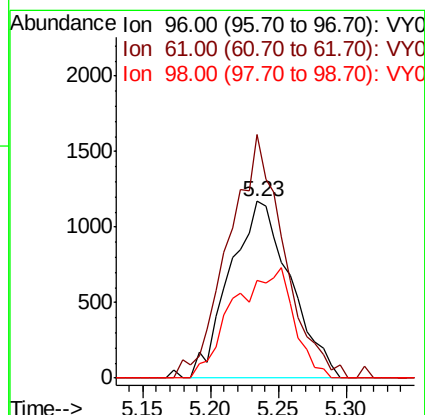
Tgt Ion: 96 Resp: 3640

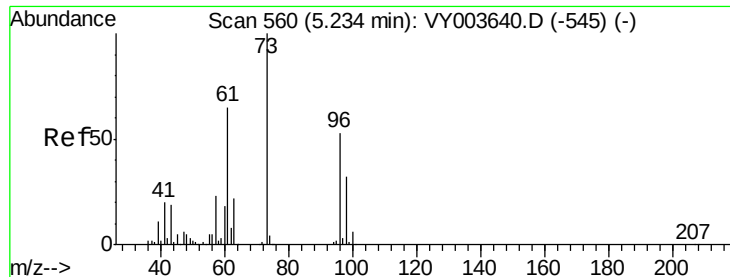
Ion Ratio Lower Upper

96 100

61 137.7 89.5 166.1

98 55.4 45.5 84.5

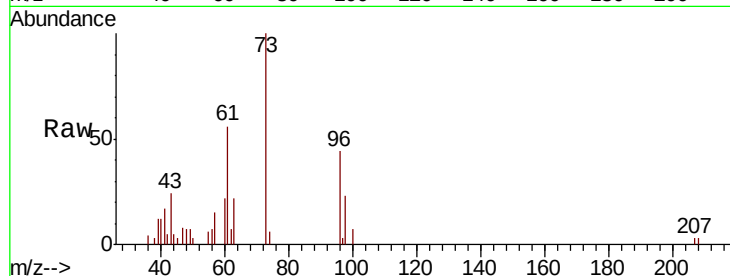




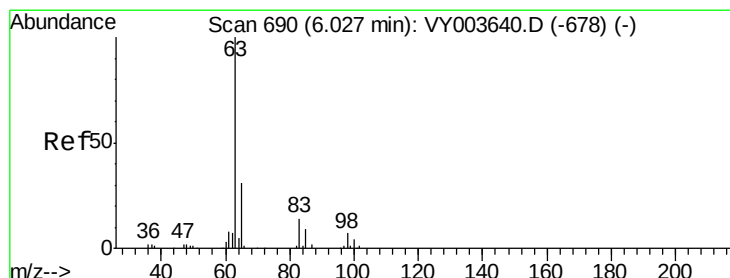
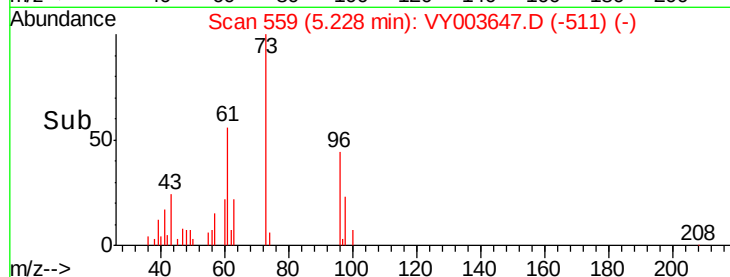
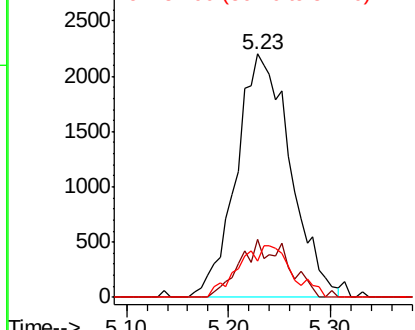
#18
Methyl tert-butyl Ether
Concen: 1.131 ug/L
RT: 5.23 min Scan# 559
Delta R.T. -0.01 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Instrument :
MSVOA_Y
ClientSampleId :
MDL03

Tot Ion: 73 Resp: 8102
Ion Ratio Lower Upper
73 100
43 3.1 15.2 22.8#
57 10.5 18.1 27.1#

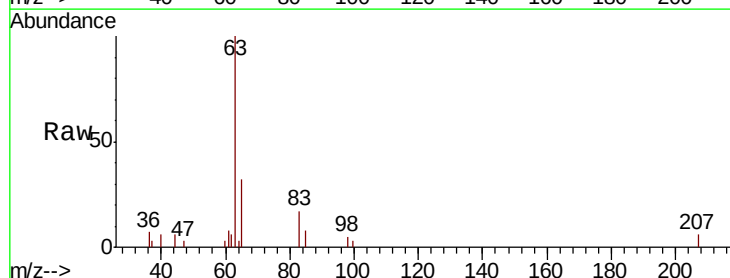


Abundance Ion 73.00 (72.70 to 73.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 57.00 (56.70 to 57.70): VY0

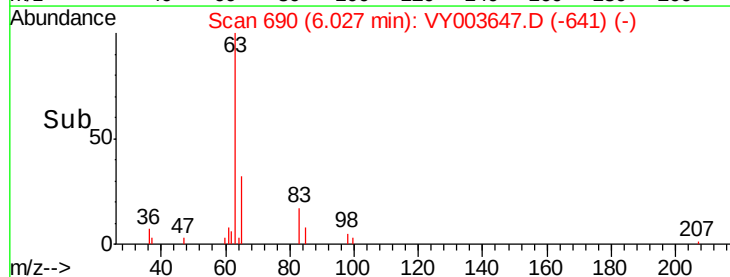
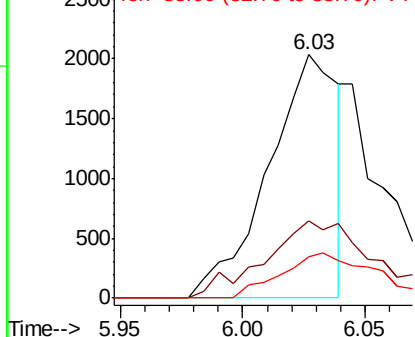


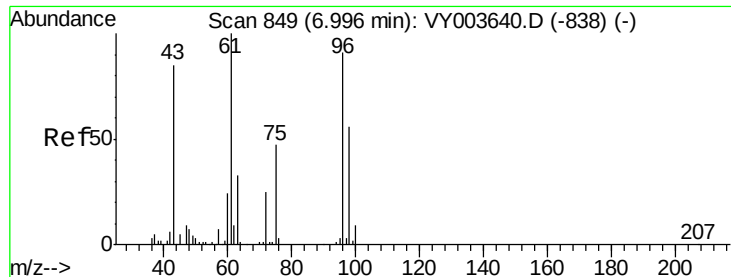
#19
1,1-Dichloroethane
Concen: 0.818 ug/L
RT: 6.03 min Scan# 690
Delta R.T. -0.00 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Tgt Ion: 63 Resp: 4038
Ion Ratio Lower Upper
63 100
65 31.5 21.9 40.7
83 16.9 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VY0
Ion 65.00 (64.70 to 65.70): VY0
Ion 83.00 (82.70 to 83.70): VY0





#20

cis-1,2-Dichloroethene

Concen: 1.286 ug/L

RT: 6.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Instrument :

MSVOA_Y

ClientSampled :

MDL03

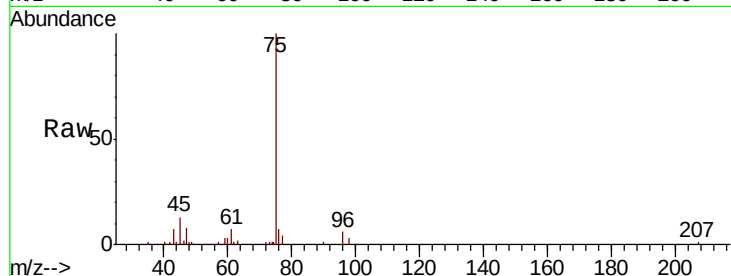
Tot Ion: 96 Resp: 3954

Ion Ratio Lower Upper

96 100

61 121.3 85.8 159.4

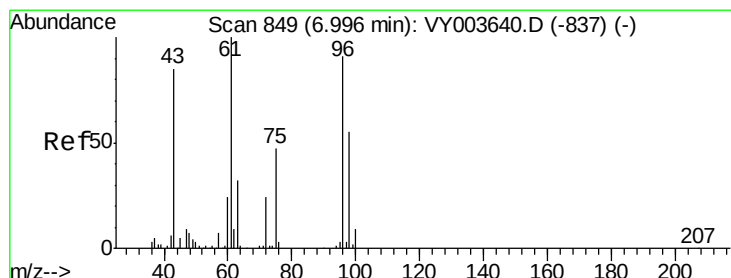
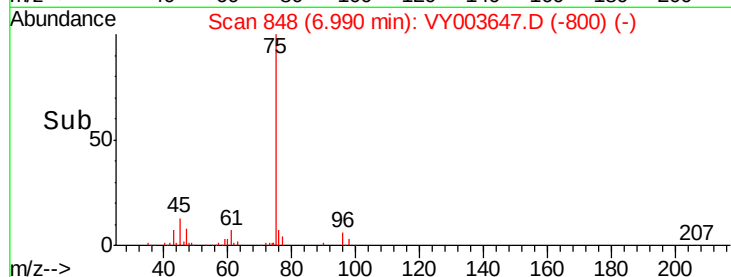
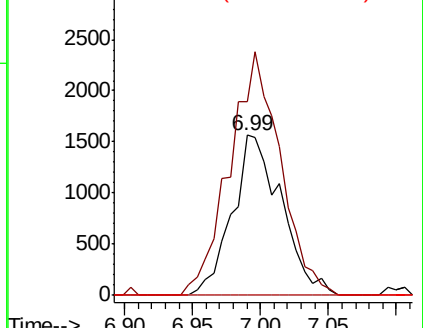
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 68.00 (67.70 to 68.70): VY0



#22

2-Butanone

Concen: 3.310 ug/L

RT: 6.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VY003647.D

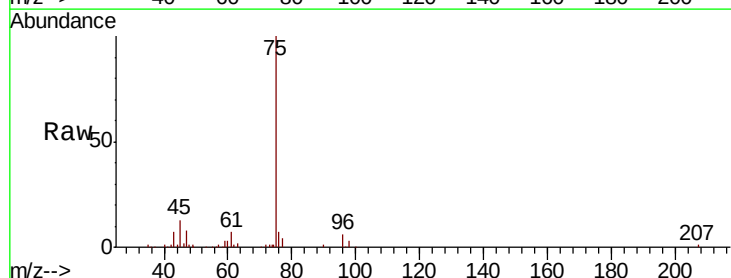
Acq: 02 Dec 2020 13:05

Tgt Ion: 43 Resp: 4595

Ion Ratio Lower Upper

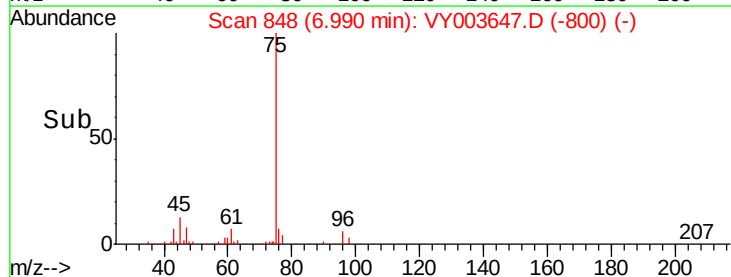
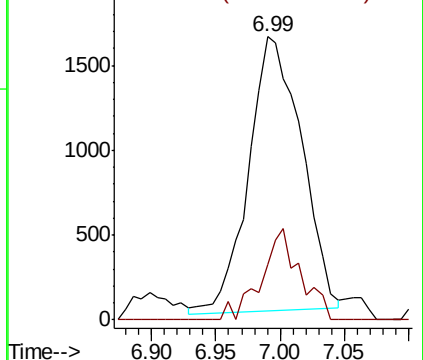
43 100

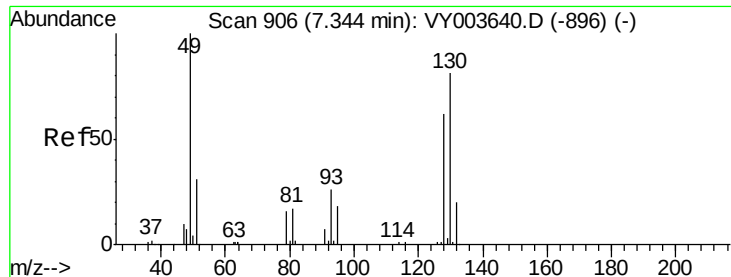
72 4.0 13.5 40.5#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0





#23

Bromochloromethane

Concen: 1.274 ug/L

RT: 7.35 min Scan# 907

Delta R.T. 0.01 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

MDL03

Tot Ion:128 Resp: 1910

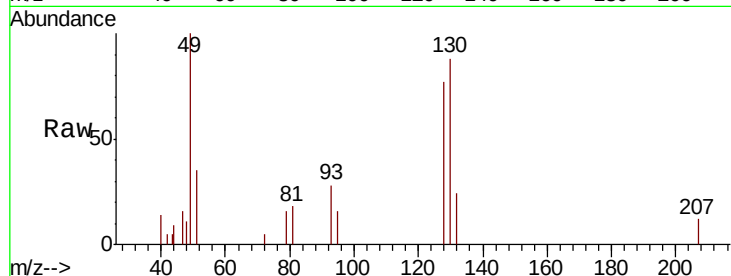
Ion Ratio Lower Upper

128 100

49 130.3 118.1 219.3

130 114.4 90.5 168.1

51 45.3 41.3 61.9

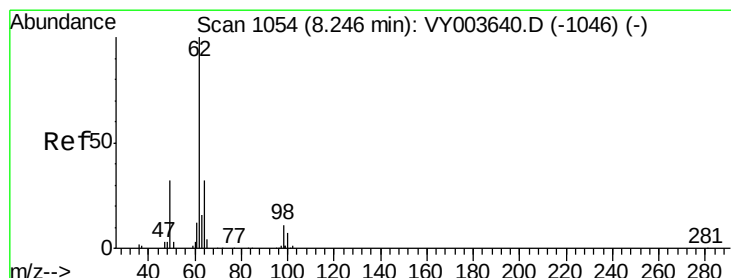
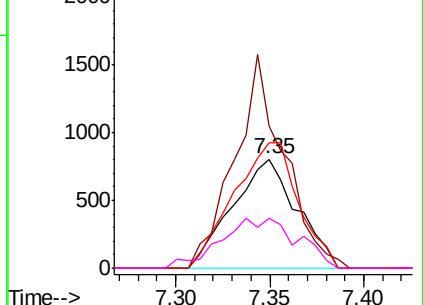
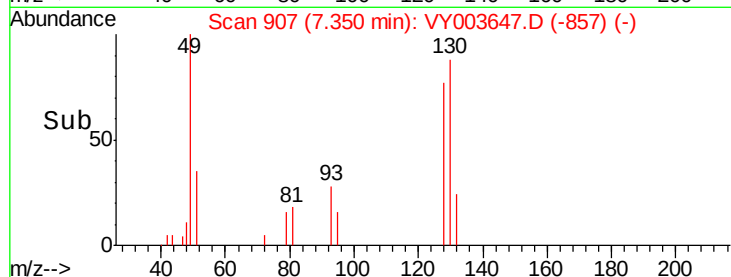


Abundance Ion 128.00 (127.70 to 128.70): VY003647.D (-1005) (-)

Ion 49.00 (48.70 to 49.70): VY003647.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VY003647.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VY003647.D (-896) (-)



#27

1,2-Dichloroethane

Concen: 0.547 ug/L

RT: 8.25 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY003647.D

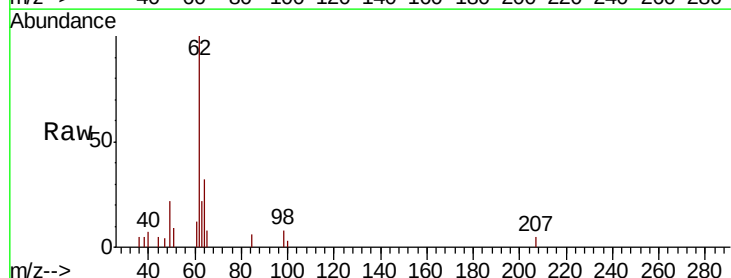
Acq: 02 Dec 2020 13:05

Tgt Ion: 62 Resp: 1782

Ion Ratio Lower Upper

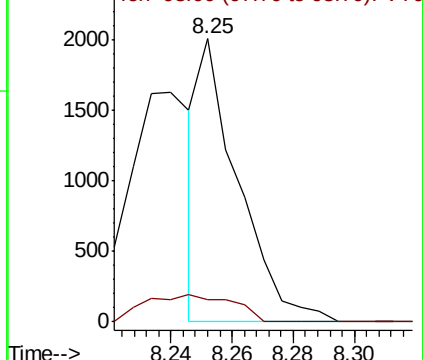
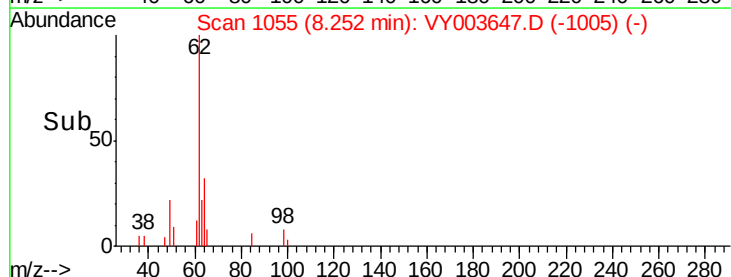
62 100

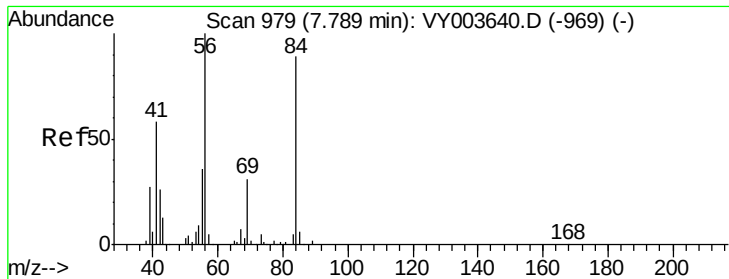
98 7.8 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VY003647.D (-1005) (-)

Ion 98.00 (97.70 to 98.70): VY003647.D (-1005) (-)

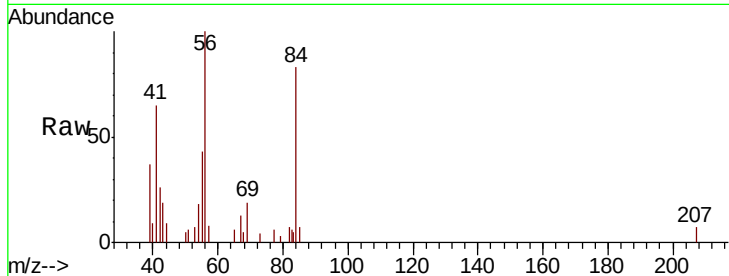




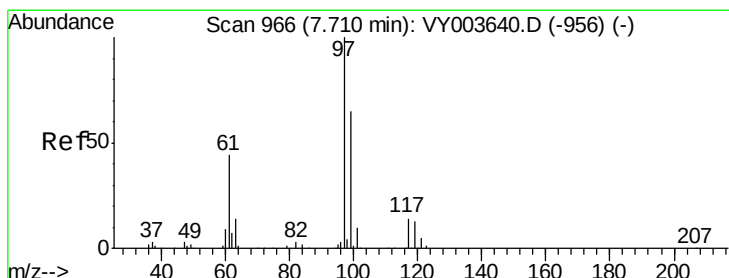
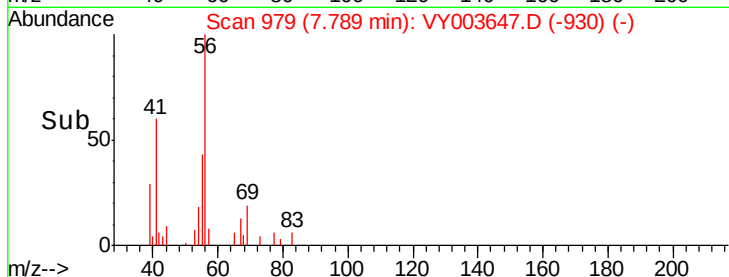
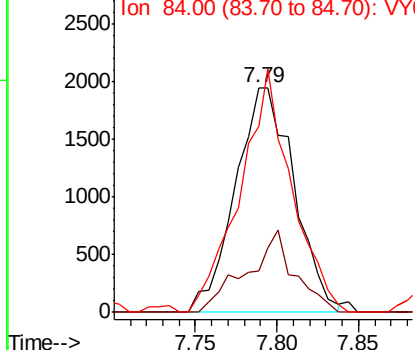
#29
Cyclohexane
Concen: 1.083 ug/L
RT: 7.79 min Scan# 979
Delta R.T. -0.00 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Instrument :
MSVOA_Y
ClientSampled :
MDL03

Tot Ion: 56 Resp: 4863
Ion Ratio Lower Upper
56 100
69 29.6 23.9 35.9
84 95.3 71.9 107.9

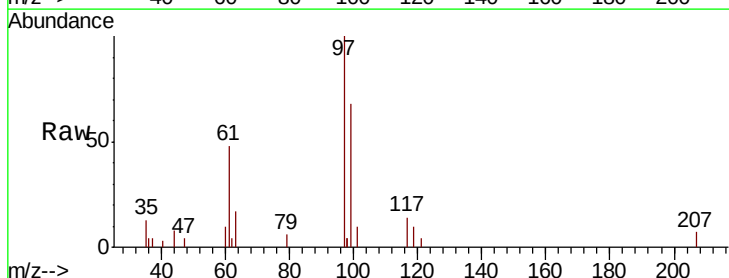


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

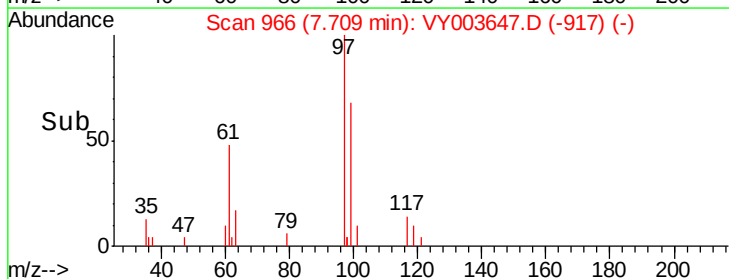
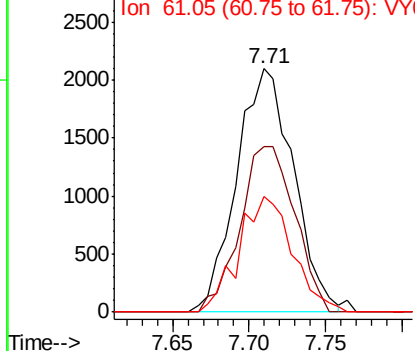


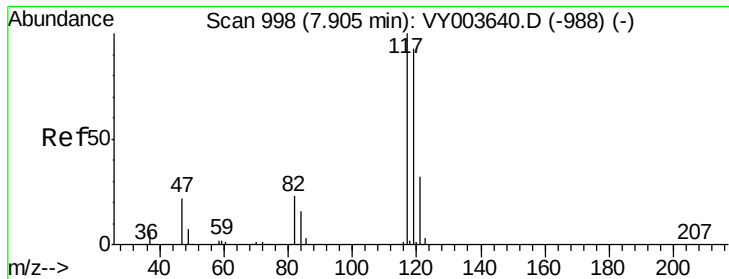
#30
1,1,1-Trichloroethane
Concen: 1.258 ug/L
RT: 7.71 min Scan# 966
Delta R.T. -0.00 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Tgt Ion: 97 Resp: 5425
Ion Ratio Lower Upper
97 100
99 65.6 50.6 76.0
61 45.1 34.3 51.5



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





#31

Carbon tetrachloride

Concen: 1.277 ug/L

RT: 7.91 min Scan# 999

Delta R.T. 0.01 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

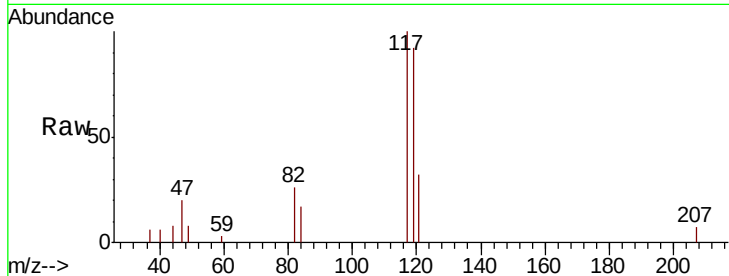
MDL03

Tot Ion:117 Resp: 4971

Ion Ratio Lower Upper

117 100

119 89.4 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

2500

2000

1500

1000

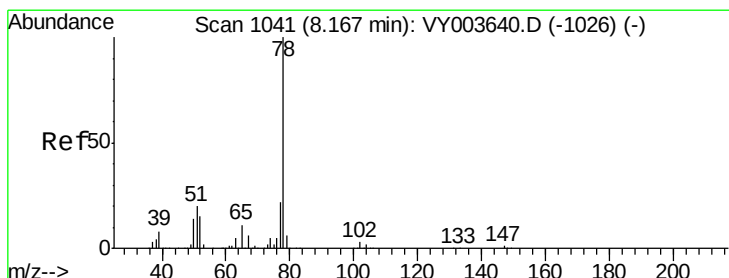
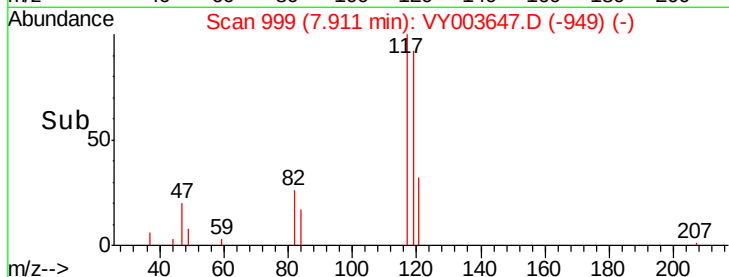
500

0

7.85 7.90 7.95

7.91

Time-->



#33

Benzene

Concen: 1.221 ug/L

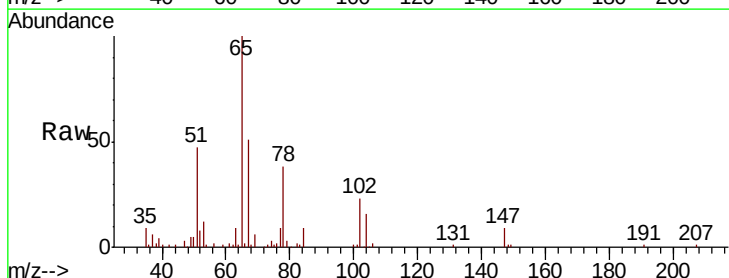
RT: 8.17 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Tgt Ion: 78 Resp: 14119



Abundance Ion 78.00 (77.70 to 78.70): VY0

6000

4000

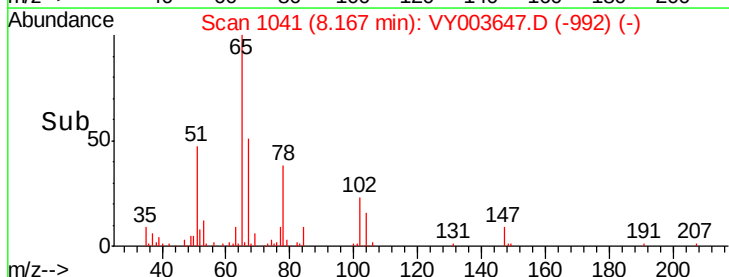
2000

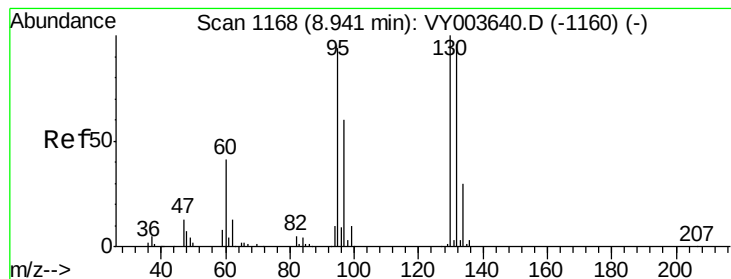
0

8.10 8.15 8.20 8.25

8.17

Time-->





#34

Trichloroethene

Concen: 1.228 ug/L

RT: 8.95 min Scan# 1169

Delta R.T. 0.01 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Instrument :

MSVOA_Y

ClientSampled :

MDL03

Tot Ion: 95 Resp: 3544

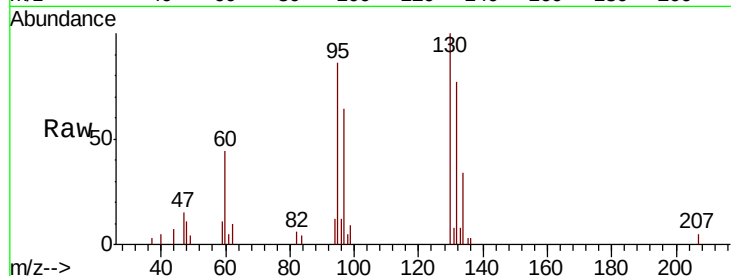
Ion Ratio Lower Upper

95 100

97 75.1 44.7 83.1

132 90.2 74.7 138.7

130 116.9 76.8 142.6

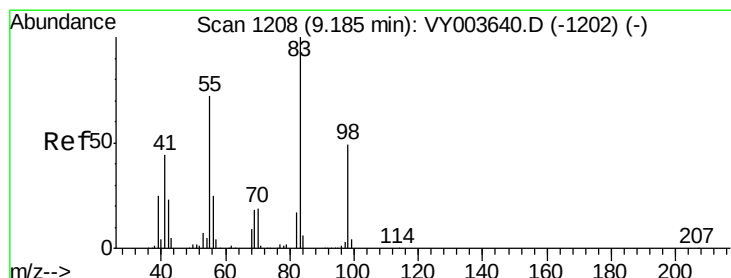
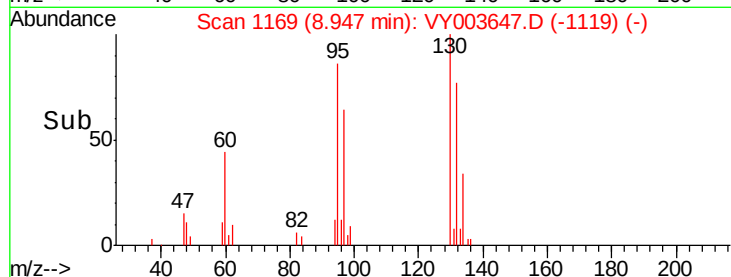
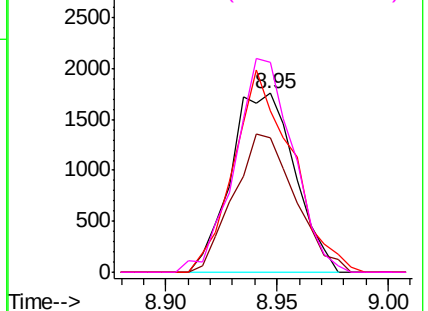


Abundance Ion 95.00 (94.70 to 95.70): VY0

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: 1.148 ug/L

RT: 9.18 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

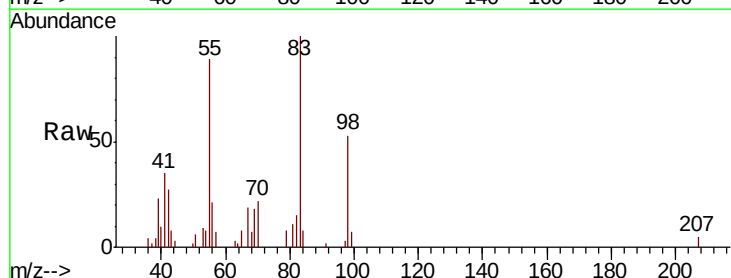
Tgt Ion: 83 Resp: 5663

Ion Ratio Lower Upper

83 100

55 75.8 58.3 87.5

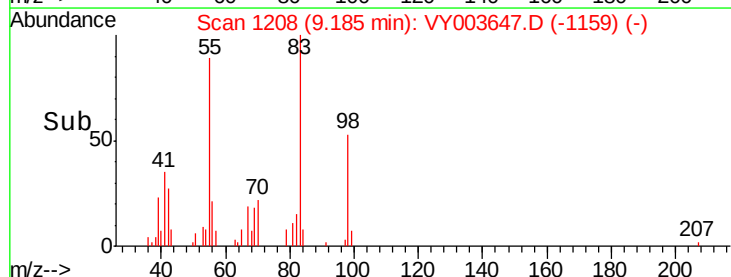
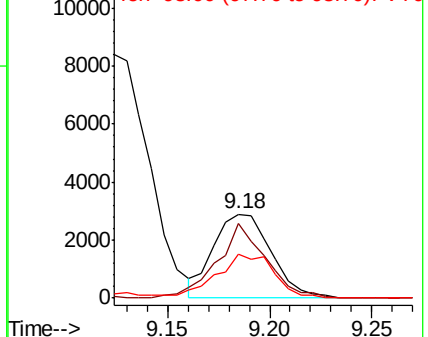
98 52.4 39.0 58.6

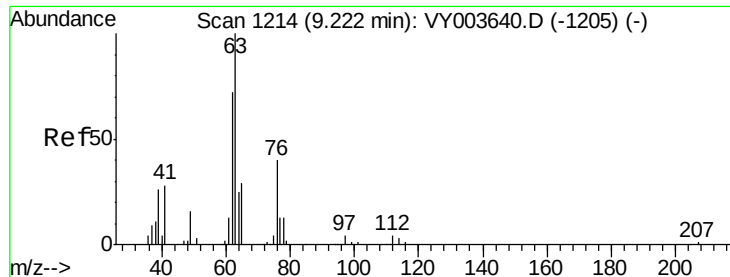


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#37

1,2-Dichloropropane

Concen: 1.183 ug/L

RT: 9.22 min Scan# 1213

Delta R.T. -0.01 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Instrument :

MSVOA_Y

ClientSampled :

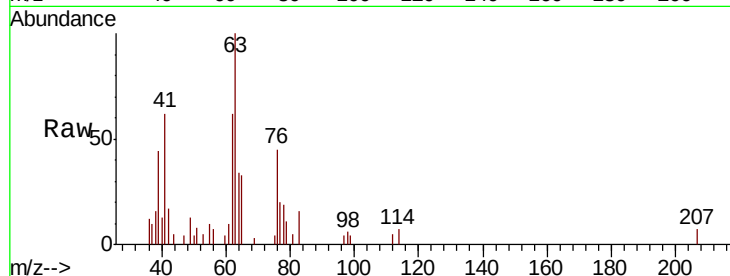
MDL03

Tot Ion: 63 Resp: 3471

Ion Ratio Lower Upper

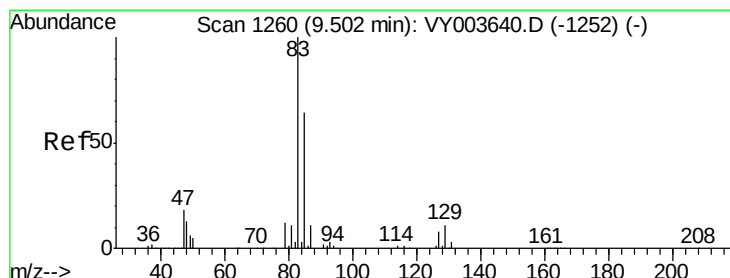
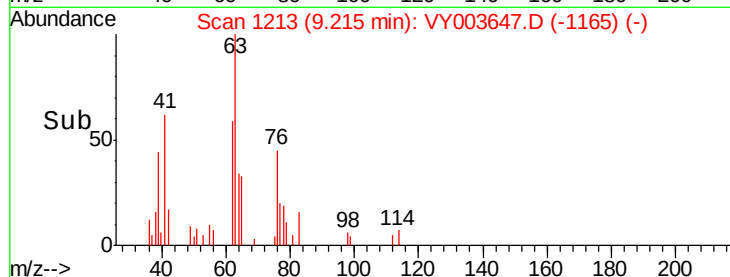
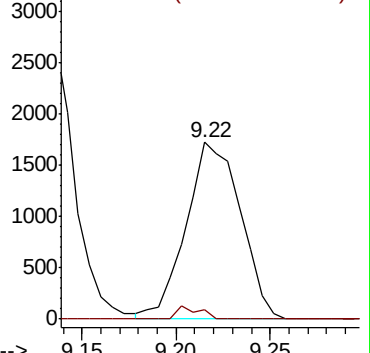
63 100

112 3.0 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: 1.186 ug/L

RT: 9.50 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

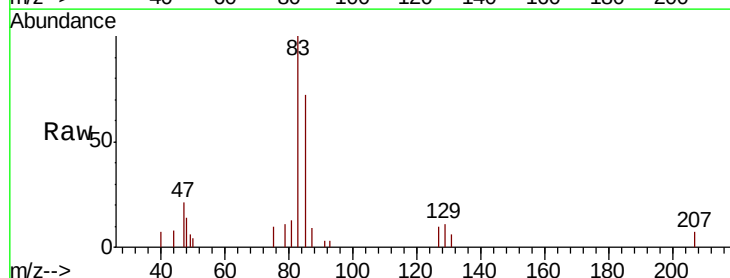
Tgt Ion: 83 Resp: 4380

Ion Ratio Lower Upper

83 100

85 72.2 43.1 80.1

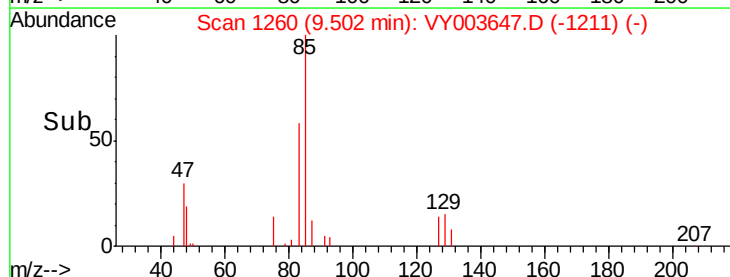
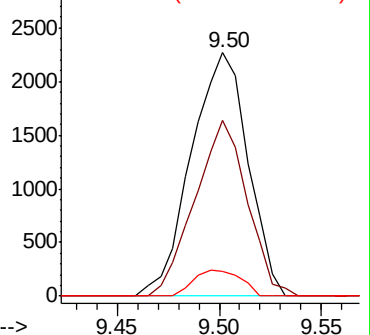
127 10.4 7.1 10.7

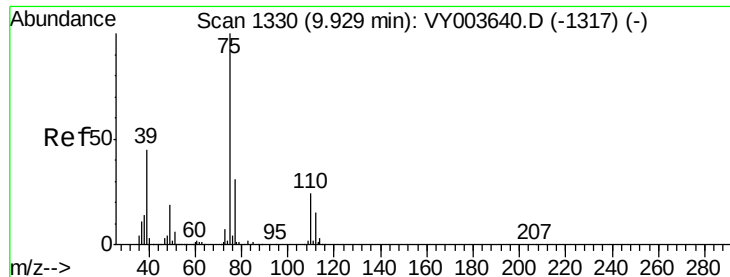


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 127.00 (126.70 to 127.70): V



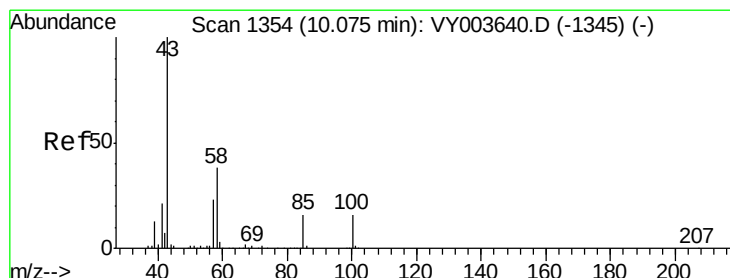
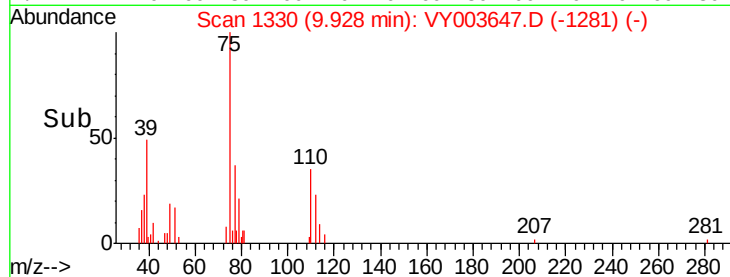
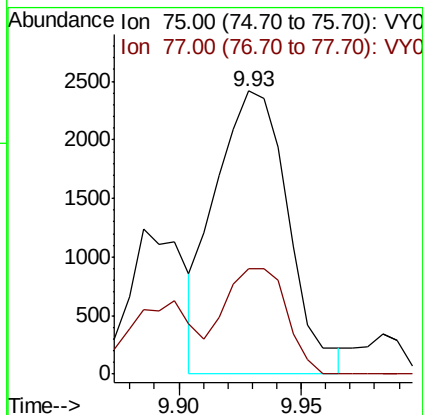
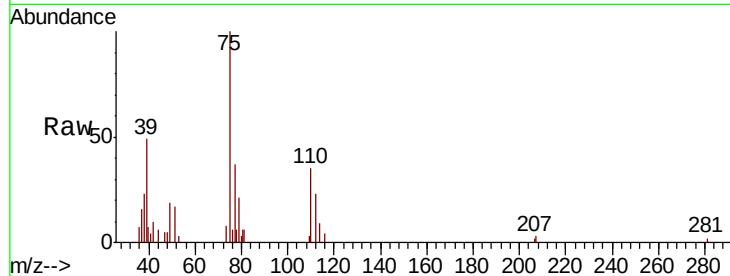


#39

cis-1,3-Dichloropropene
 Concen: 1.101 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VY003647.D
 Acq: 02 Dec 2020 13:05

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL03

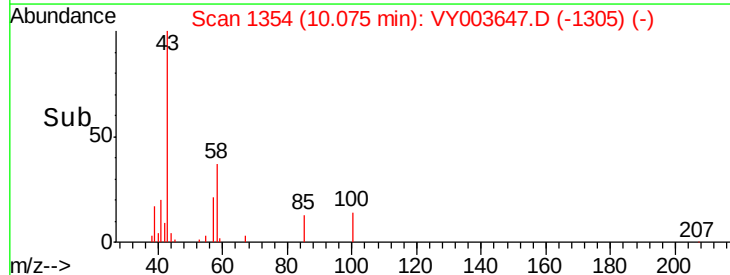
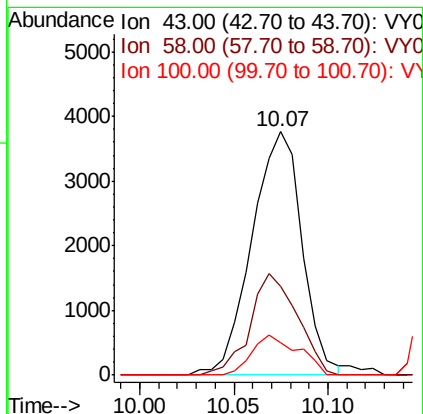
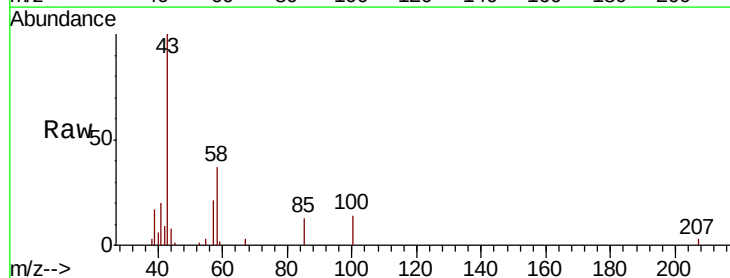
Tot Ion: 75 Resp: 4993
 Ion Ratio Lower Upper
 75 100
 77 37.0 23.5 43.7

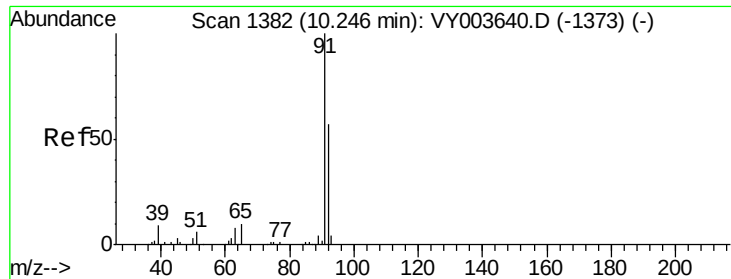


#40

4-Methyl-2-pentanone
 Concen: 2.686 ug/L
 RT: 10.07 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VY003647.D
 Acq: 02 Dec 2020 13:05

Tgt Ion: 43 Resp: 6921
 Ion Ratio Lower Upper
 43 100
 58 39.4 30.7 46.1
 100 15.4 12.1 18.1





#42

Toluene

Concen: 1.239 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Instrument :

MSVOA_Y

ClientSampled :

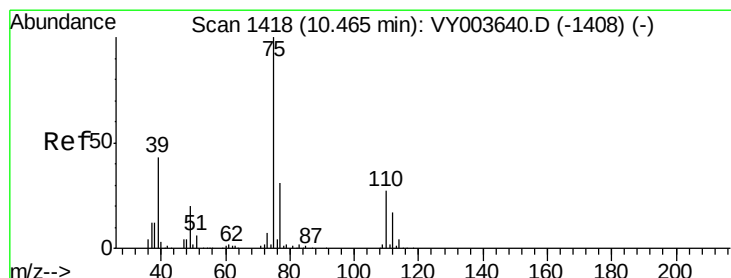
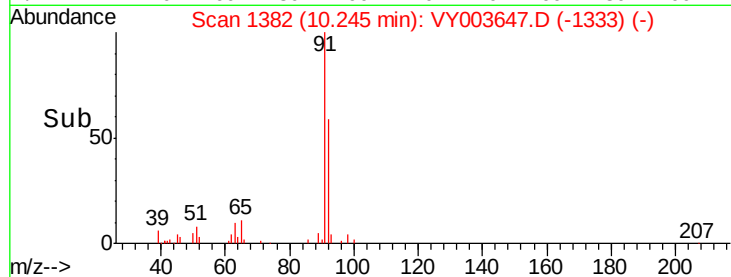
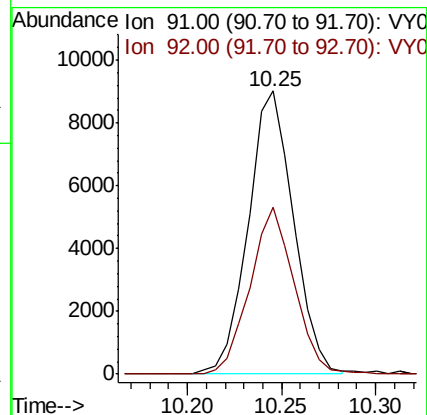
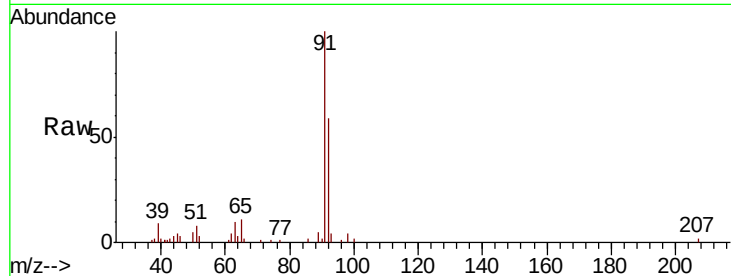
MDL03

Tot Ion: 91 Resp: 15043

Ion Ratio Lower Upper

91 100

92 59.0 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 1.513 ug/L

RT: 10.46 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003647.D

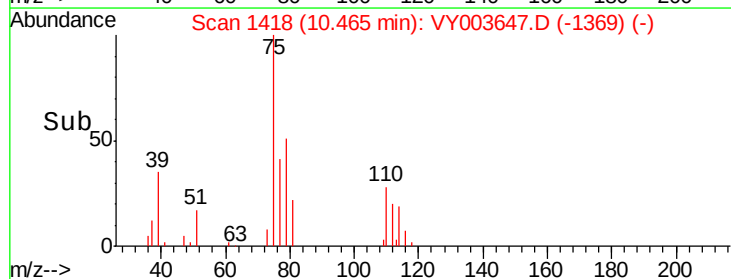
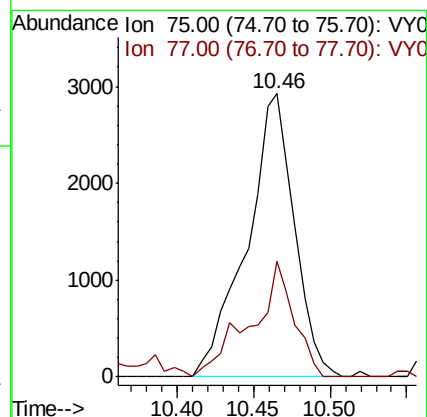
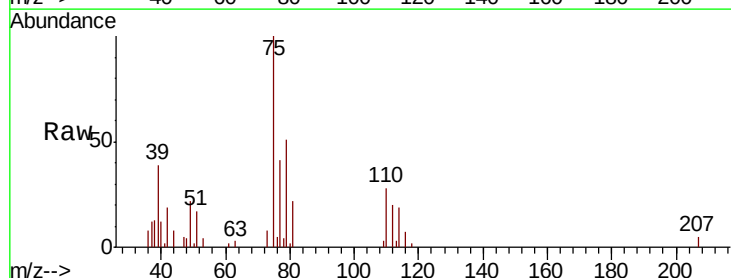
Acq: 02 Dec 2020 13:05

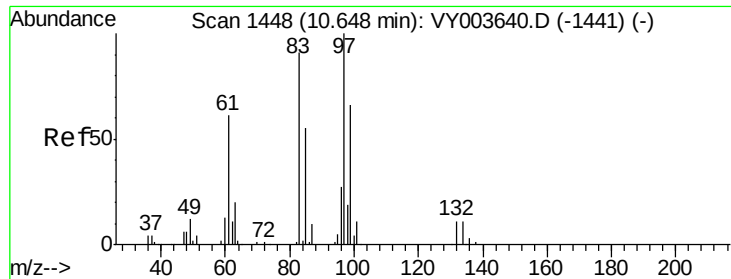
Tgt Ion: 75 Resp: 6330

Ion Ratio Lower Upper

75 100

77 41.0 22.9 42.5

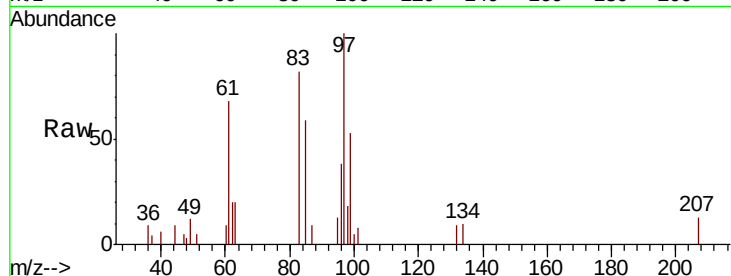




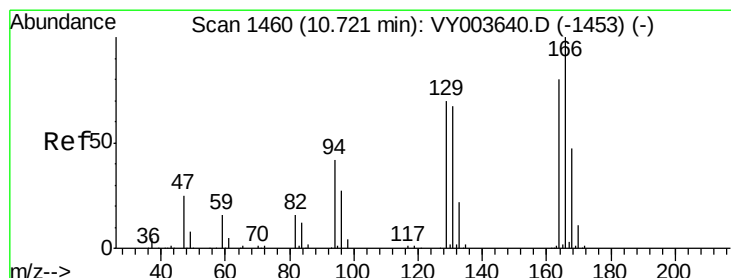
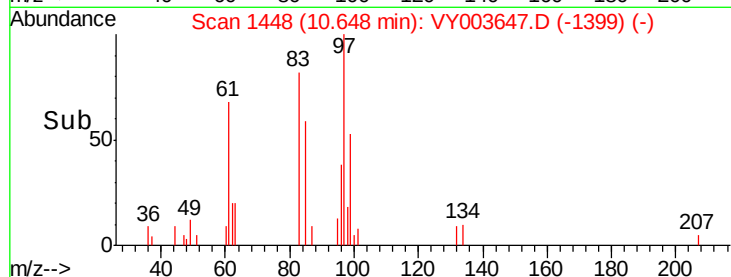
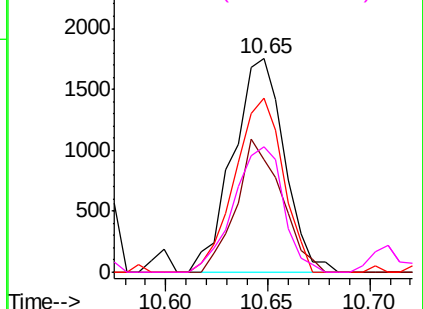
#45
 1,1,2-Trichloroethane
 Concen: 1.246 ug/L
 RT: 10.65 min Scan# 1448
 Delta R.T. -0.00 min
 Lab File: VY003647.D
 Acq: 02 Dec 2020 13:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

Tot Ion: 97 Resp: 3070
 Ion Ratio Lower Upper
 97 100
 99 52.6 45.1 83.9
 83 81.8 59.7 110.9
 85 58.8 39.0 72.4

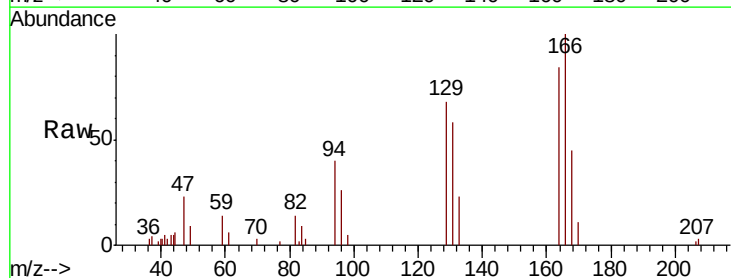


Abundance Ion 97.00 (96.70 to 97.70): VY0
 Ion 99.00 (98.70 to 99.70): VY0
 Ion 83.00 (82.70 to 83.70): VY0
 Ion 85.00 (84.70 to 85.70): VY0

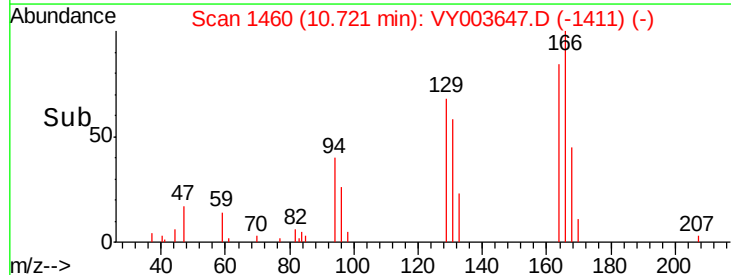
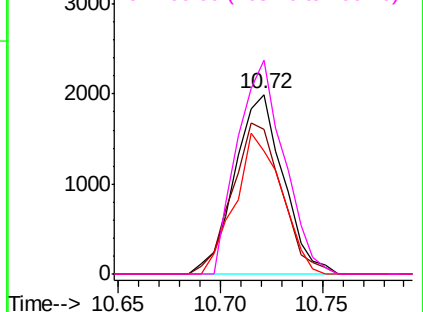


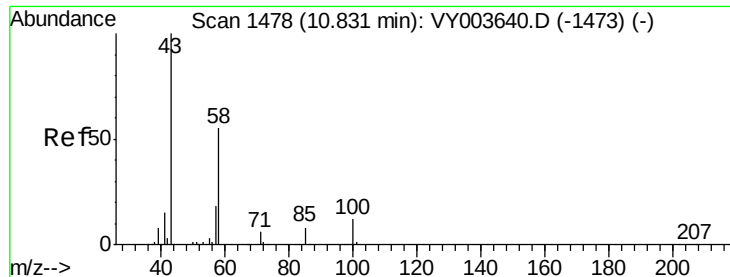
#46
 Tetrachloroethene
 Concen: 1.332 ug/L
 RT: 10.72 min Scan# 1460
 Delta R.T. -0.00 min
 Lab File: VY003647.D
 Acq: 02 Dec 2020 13:05

Tgt Ion: 164 Resp: 3289
 Ion Ratio Lower Upper
 164 100
 129 80.8 58.9 109.5
 131 68.6 59.0 109.6
 166 118.8 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

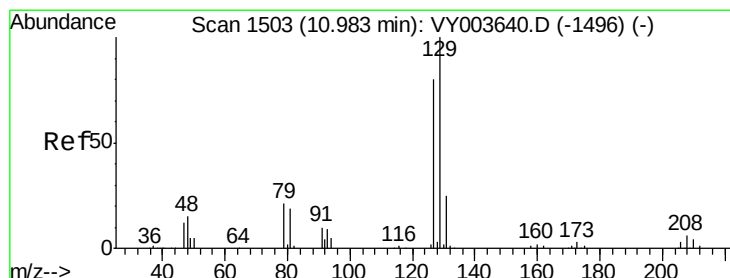
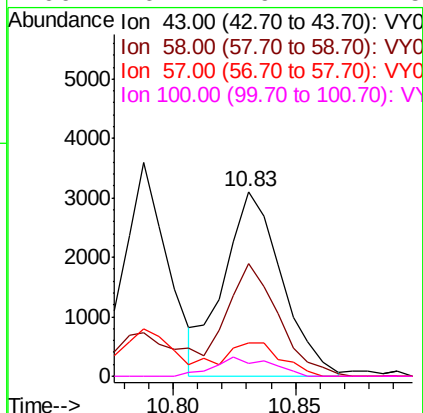
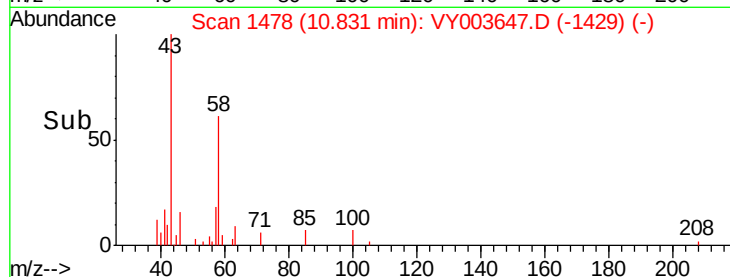
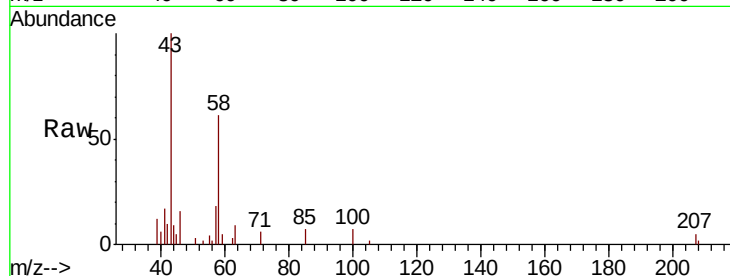




#48
2-Hexanone
Concen: 2.711 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

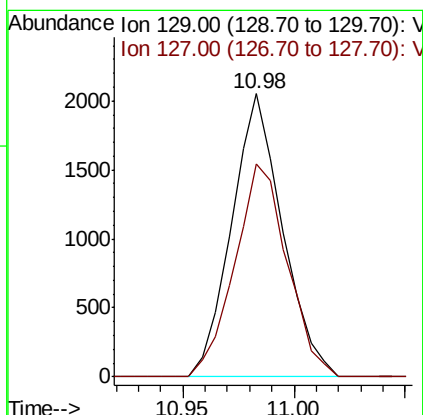
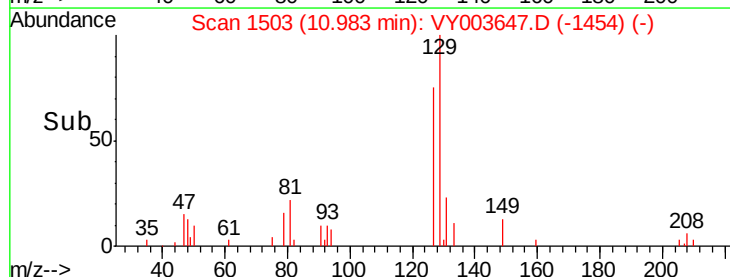
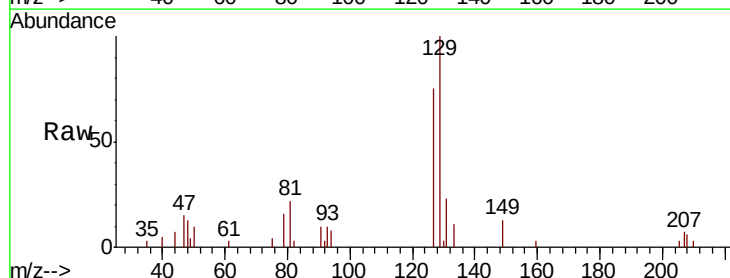
Instrument :
MSVOA_Y
ClientSampled :
MDL03

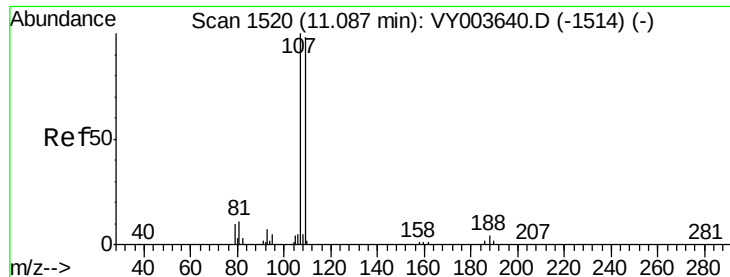
Tot Ion: 43 Resp: 5098
Ion Ratio Lower Upper
43 100
58 54.0 43.0 64.6
57 15.6 14.6 21.8
100 6.2 9.7 14.5#



#49
Dibromochloromethane
Concen: 1.143 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. -0.00 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Tgt Ion: 129 Resp: 3254
Ion Ratio Lower Upper
129 100
127 75.1 55.0 102.2

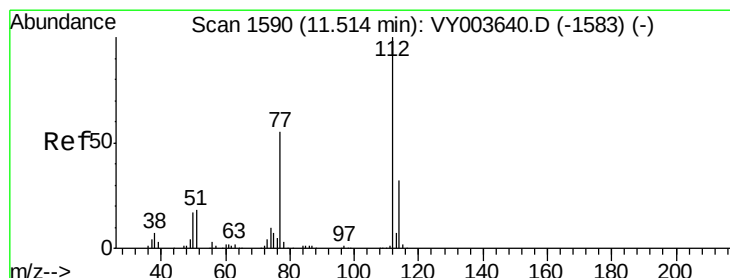
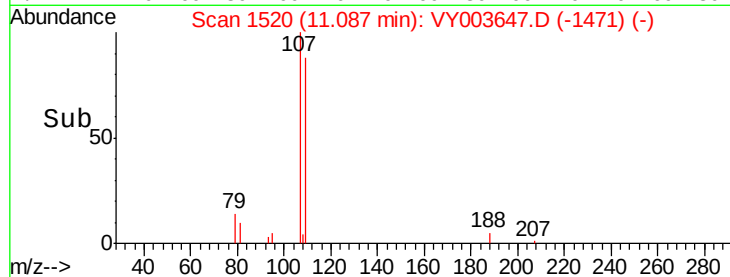
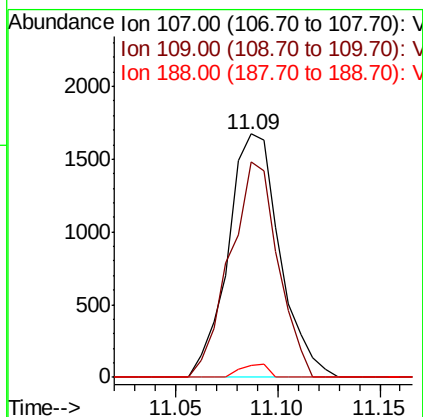
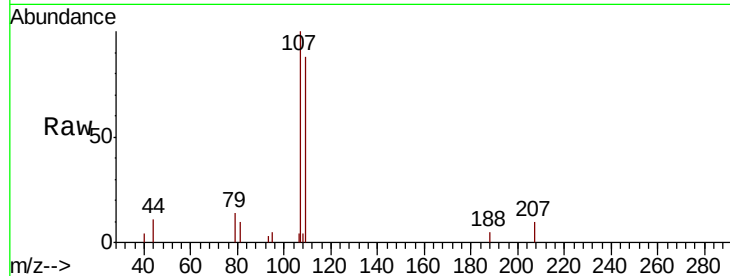




#50
1,2-Dibromoethane
Concen: 1.236 ug/L
RT: 11.09 min Scan# 1520
Delta R.T. -0.00 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

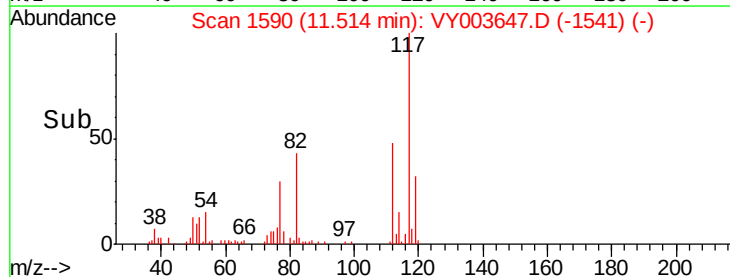
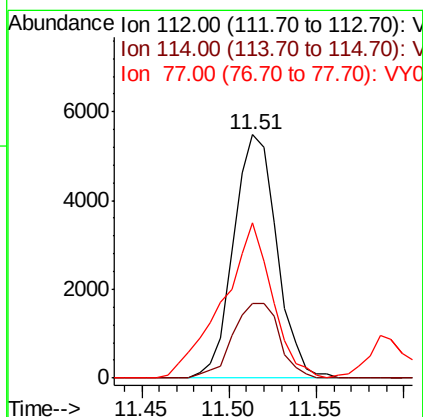
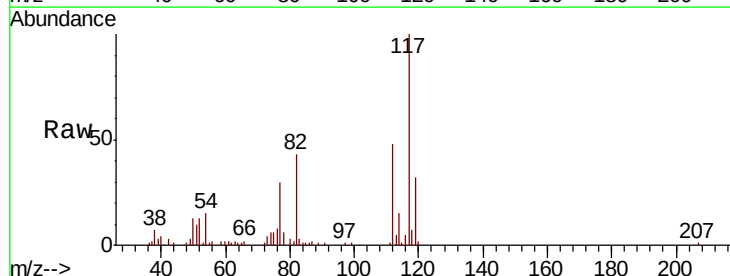
Instrument :
MSVOA_Y
ClientSampleId :
MDL03

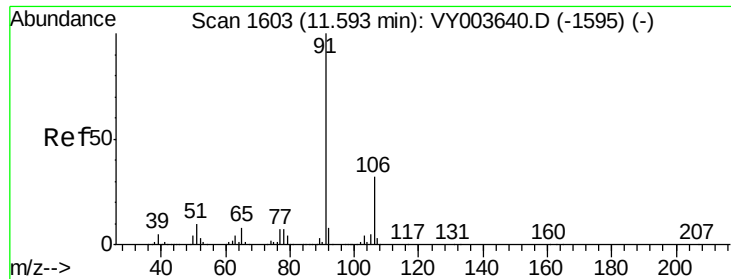
Tot Ion:107 Resp: 2946
Ion Ratio Lower Upper
107 100
109 88.4 65.5 121.7
188 5.0 3.8 5.8



#51
Chlorobenzene
Concen: 1.205 ug/L
RT: 11.51 min Scan# 1590
Delta R.T. -0.00 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Tgt Ion:112 Resp: 9427
Ion Ratio Lower Upper
112 100
114 30.6 22.2 41.2
77 63.7 43.8 65.6





#52

Ethylbenzene

Concen: 1.119 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Instrument :

MSVOA_Y

ClientSampled :

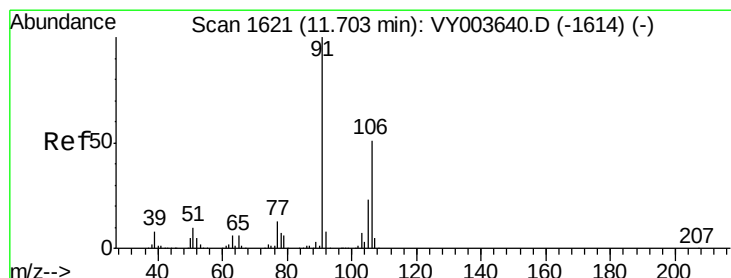
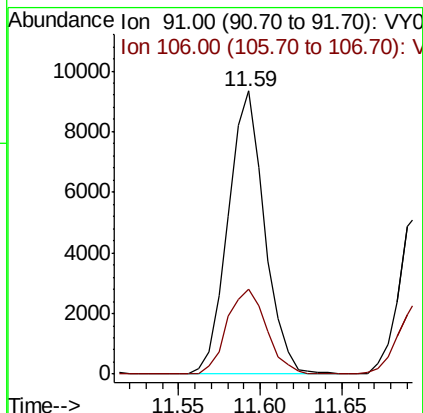
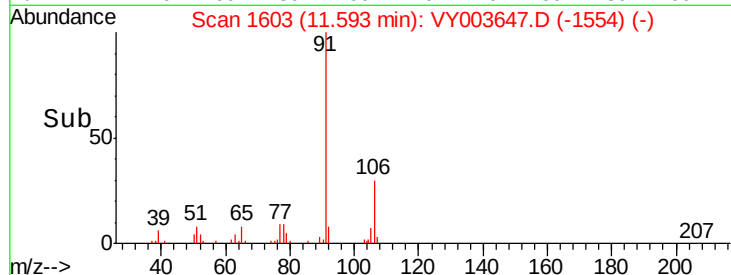
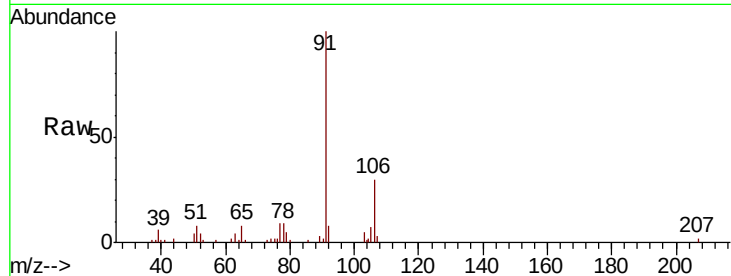
MDL03

Tot Ion: 91 Resp: 14539

Ion Ratio Lower Upper

91 100

106 30.2 22.8 42.4



#53

m,p-Xylene

Concen: 1.149 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VY003647.D

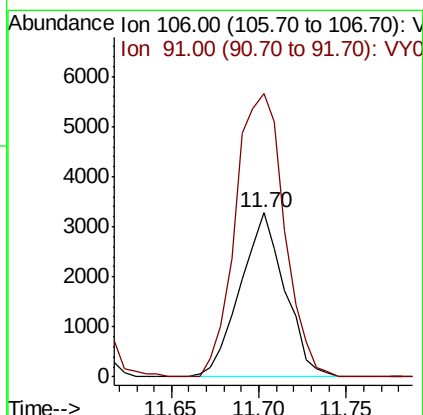
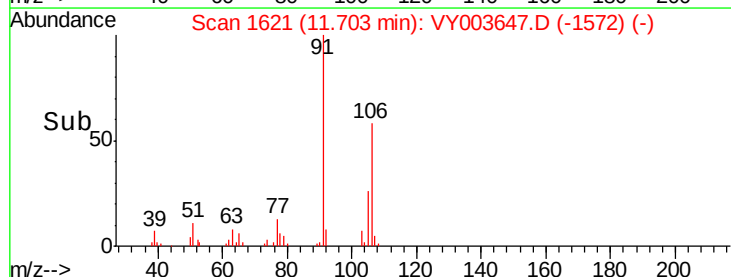
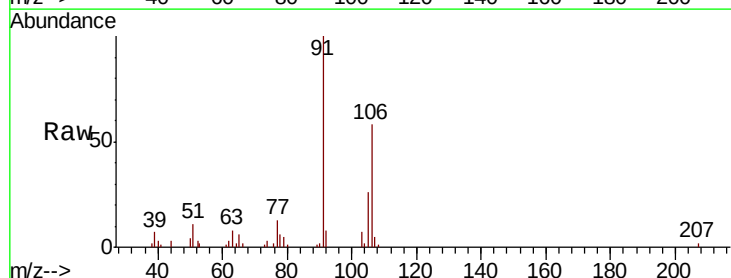
Acq: 02 Dec 2020 13:05

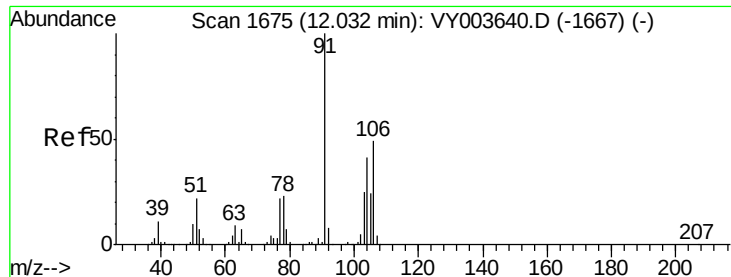
Tgt Ion: 106 Resp: 5838

Ion Ratio Lower Upper

106 100

91 172.6 133.1 247.3

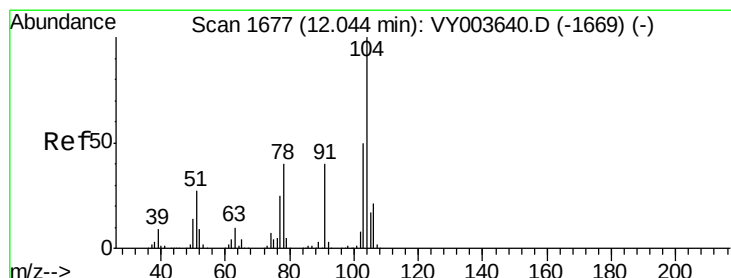
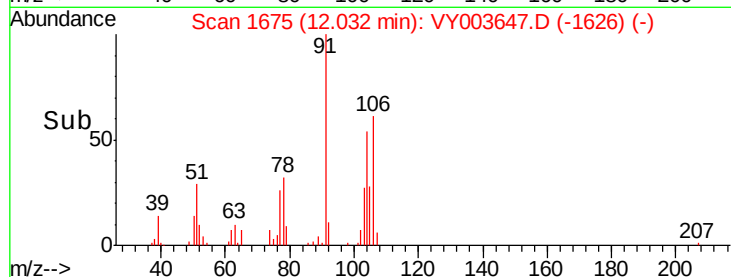
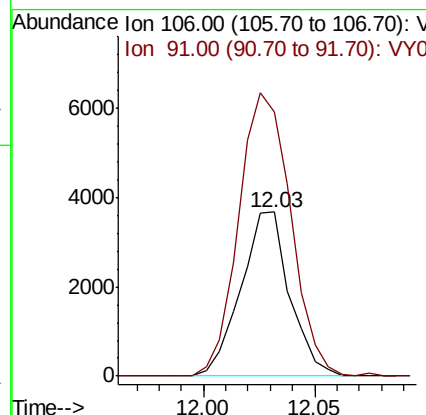
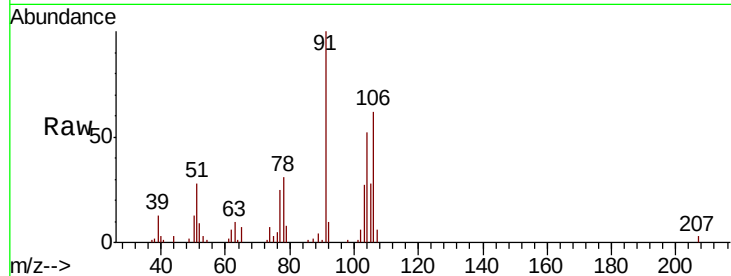




#54
o-Xylene
Concen: 1.169 ug/L
RT: 12.03 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

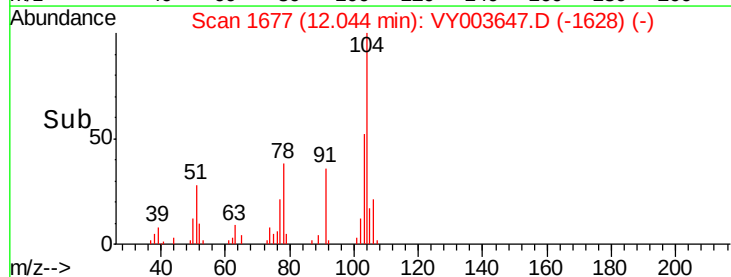
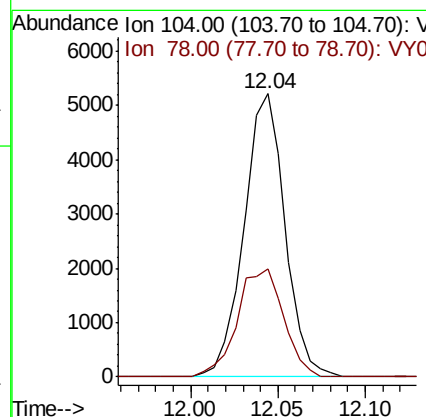
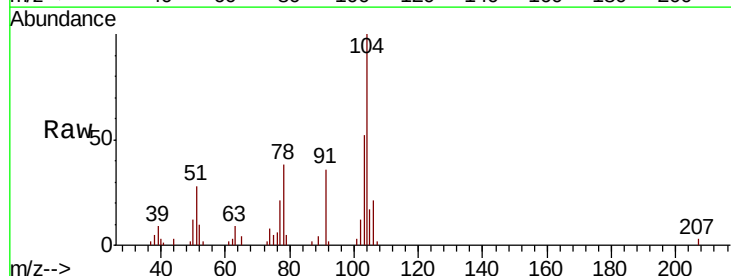
Instrument :
MSVOA_Y
ClientSampled :
MDL03

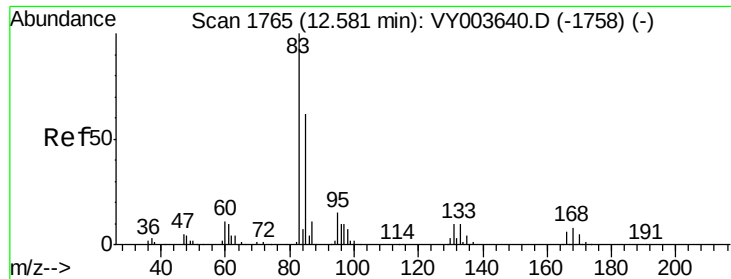
Tot Ion:106 Resp: 5612
Ion Ratio Lower Upper
106 100
91 161.1 144.1 267.5



#55
Styrene
Concen: 1.032 ug/L
RT: 12.04 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Tgt Ion:104 Resp: 8475
Ion Ratio Lower Upper
104 100
78 38.3 27.6 51.4

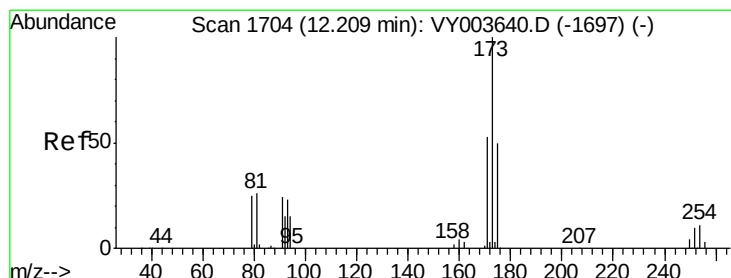
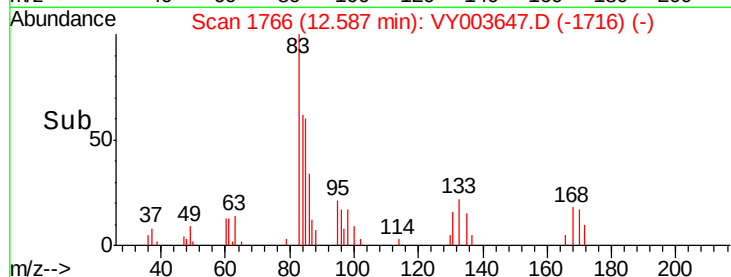
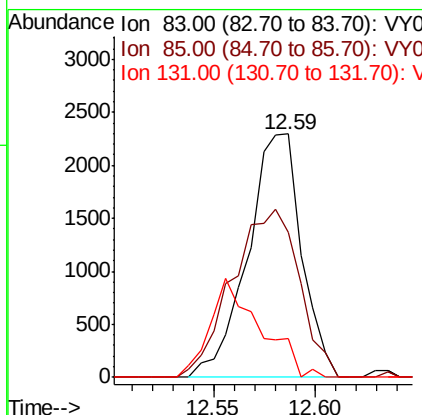
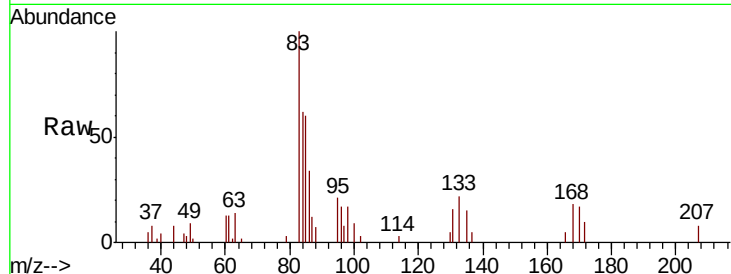




#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.293 ug/L
 RT: 12.59 min Scan# 1766
 Delta R.T. 0.01 min
 Lab File: VY003647.D
 Acq: 02 Dec 2020 13:05

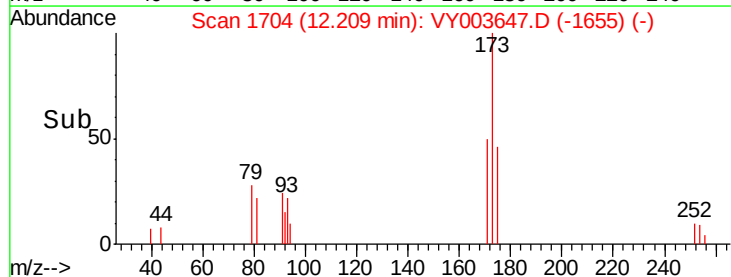
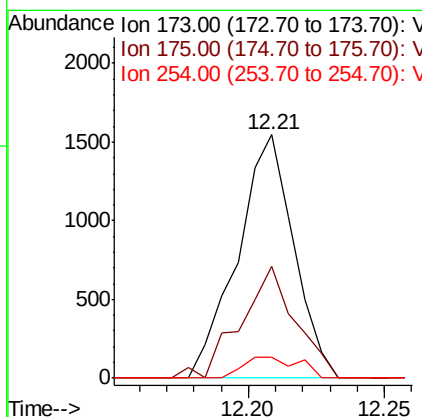
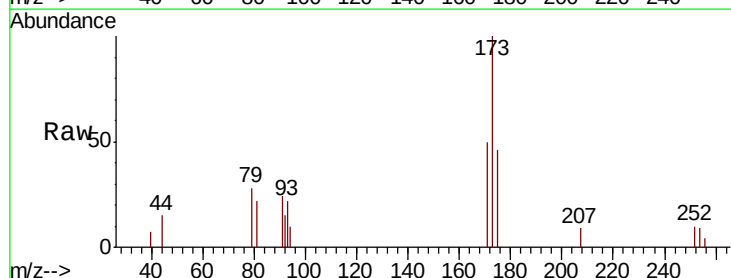
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL03

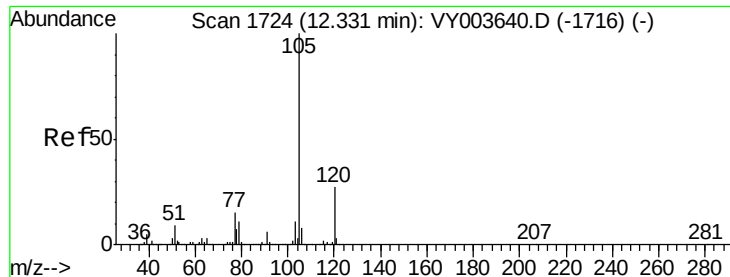
Tot Ion: 83 Resp: 4222
 Ion Ratio Lower Upper
 83 100
 85 59.6 46.1 85.7
 131 15.8 8.1 12.1#



#59
 Bromoform
 Concen: 1.245 ug/L
 RT: 12.21 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VY003647.D
 Acq: 02 Dec 2020 13:05

Tgt Ion: 173 Resp: 2210
 Ion Ratio Lower Upper
 173 100
 175 43.9 38.2 57.4
 254 8.6 8.0 12.0





#60

Isopropylbenzene

Concen: 1.120 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. -0.00 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Instrument :

MSVOA_Y

ClientSampled :

MDL03

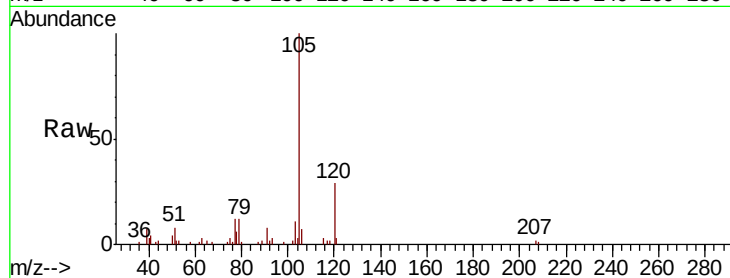
Tot Ion:105 Resp: 12945

Ion Ratio Lower Upper

105 100

120 28.6 22.0 33.0

77 16.2 12.1 18.1

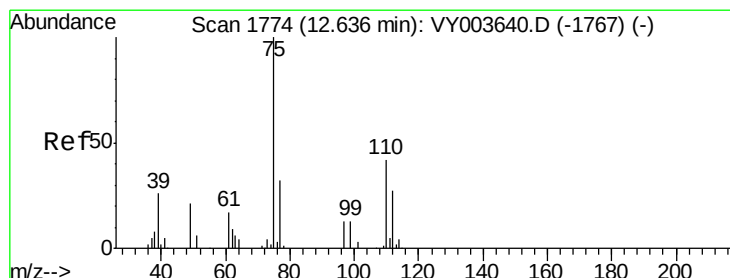
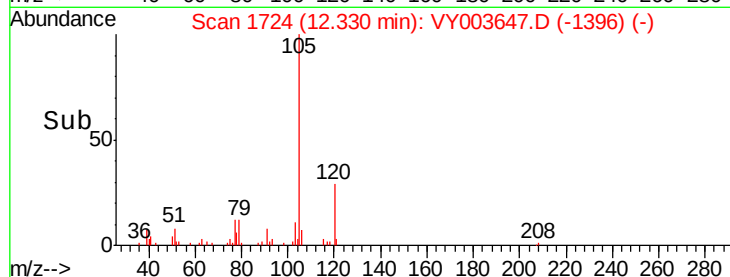


Abundance Ion 105.00 (104.70 to 105.70): VY003647.D (-1716) (-)

Ion 120.00 (119.70 to 120.70): VY003647.D (-1716) (-)

Ion 77.00 (76.70 to 77.70): VY003647.D (-1716) (-)

Time-->



#61

1,2,3-Trichloropropane

Concen: 1.380 ug/L

RT: 12.63 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

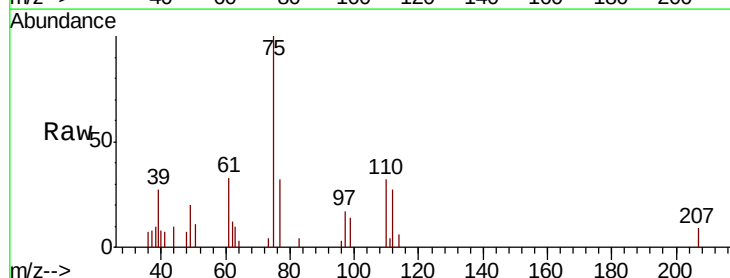
Tgt Ion: 75 Resp: 2984

Ion Ratio Lower Upper

75 100

77 34.1 26.3 39.5

110 39.0 33.0 49.4

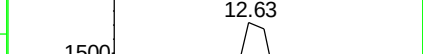
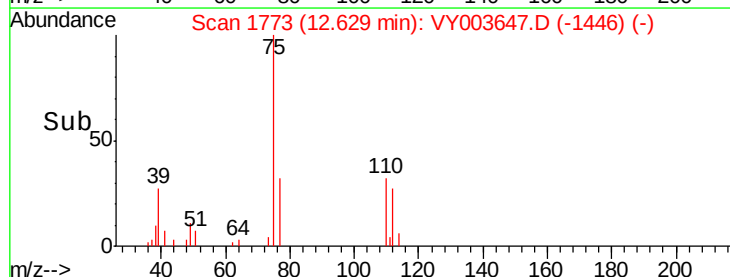


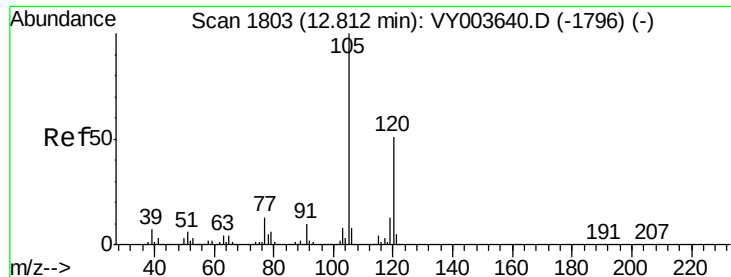
Abundance Ion 75.00 (74.70 to 75.70): VY003647.D (-1767) (-)

Ion 77.00 (76.70 to 77.70): VY003647.D (-1767) (-)

Ion 110.00 (109.70 to 110.70): VY003647.D (-1767) (-)

Time-->





#62

1,3,5-Trimethylbenzene

Concen: 1.123 ug/L

RT: 12.81 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

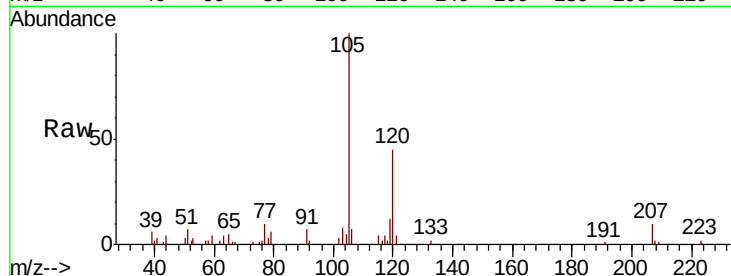
MDL03

Tot Ion:105 Resp: 10297

Ion Ratio Lower Upper

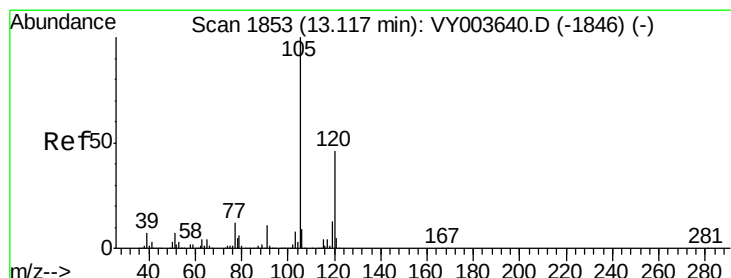
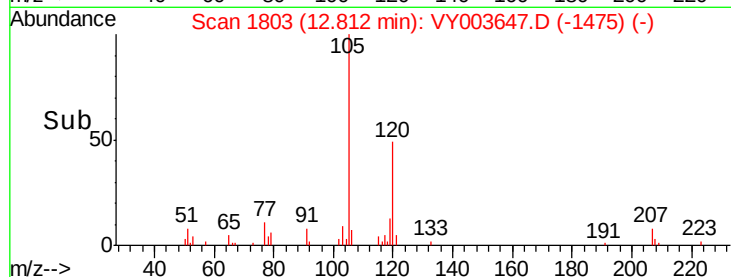
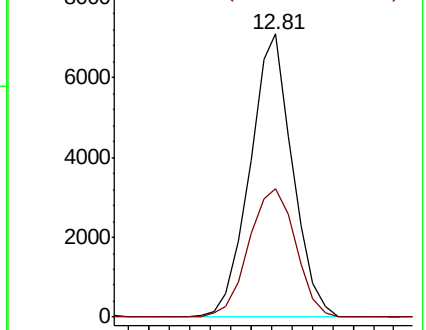
105 100

120 49.7 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: 1.035 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VY003647.D

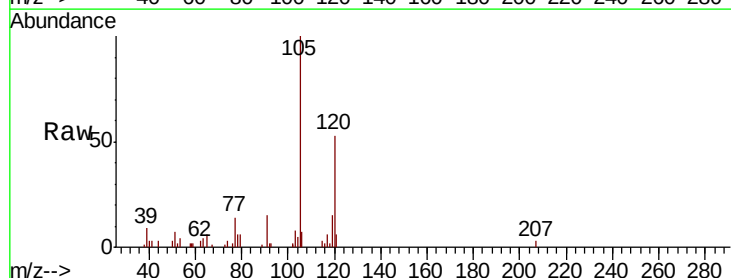
Acq: 02 Dec 2020 13:05

Tgt Ion:105 Resp: 9376

Ion Ratio Lower Upper

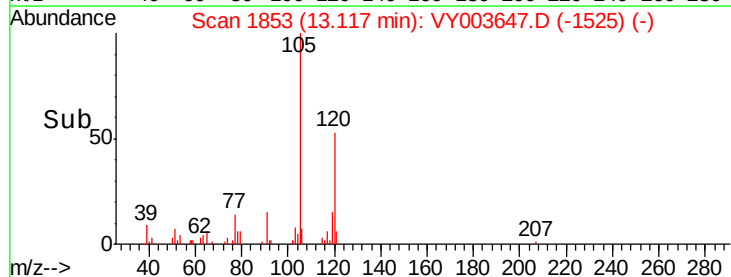
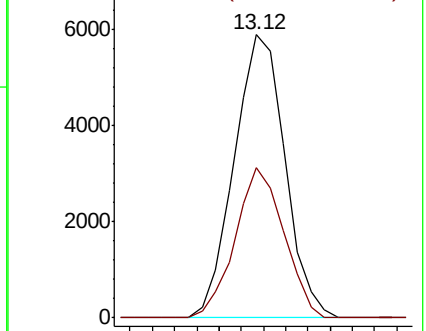
105 100

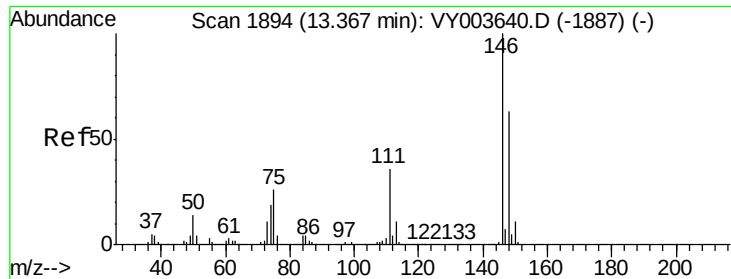
120 50.6 38.0 57.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 1.224 ug/L

RT: 13.37 min Scan# 1894

Delta R.T. -0.00 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

MDL03

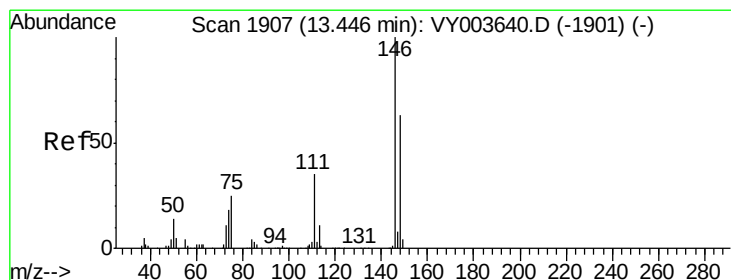
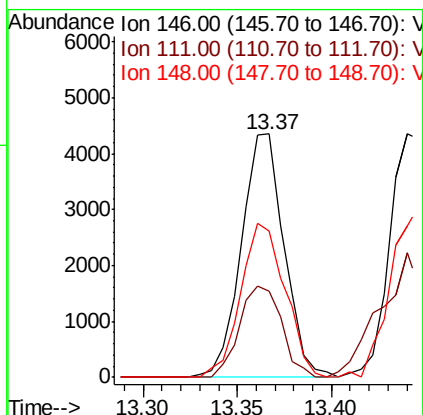
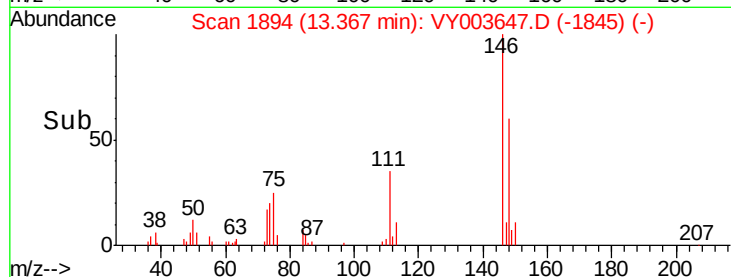
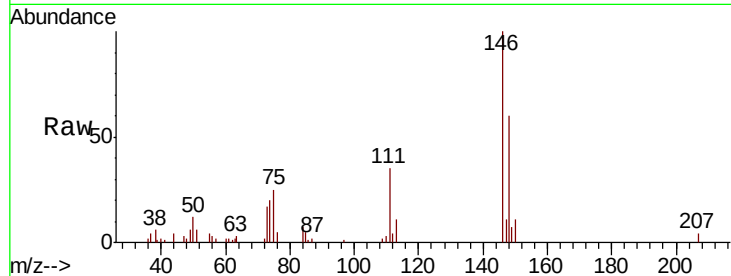
Tot Ion:146 Resp: 6848

Ion Ratio Lower Upper

146 100

111 35.3 26.6 49.4

148 59.9 46.3 86.1



#65

1,4-Dichlorobenzene

Concen: 1.287 ug/L

RT: 13.44 min Scan# 1906

Delta R.T. -0.01 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

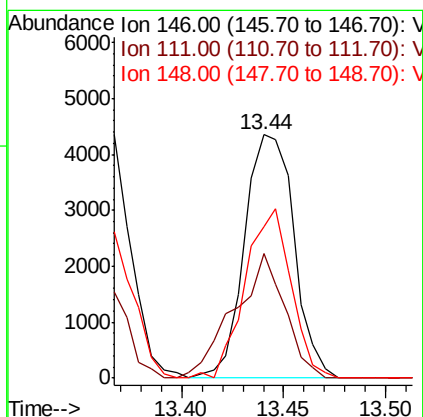
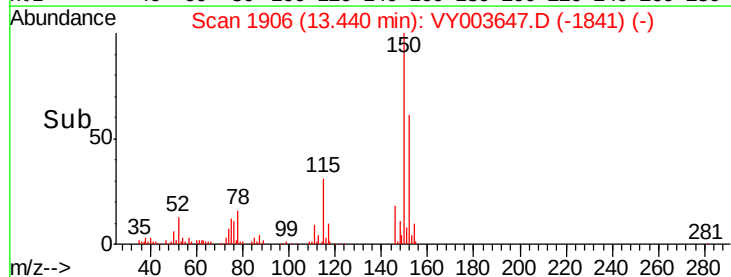
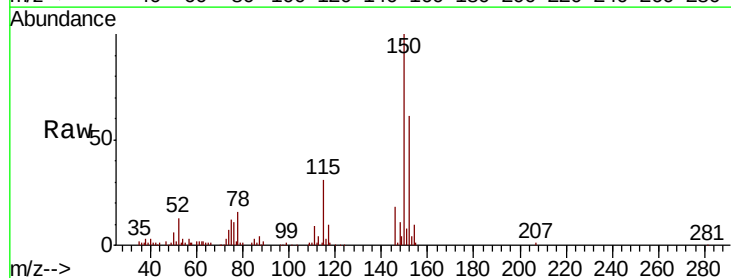
Tgt Ion:146 Resp: 7315

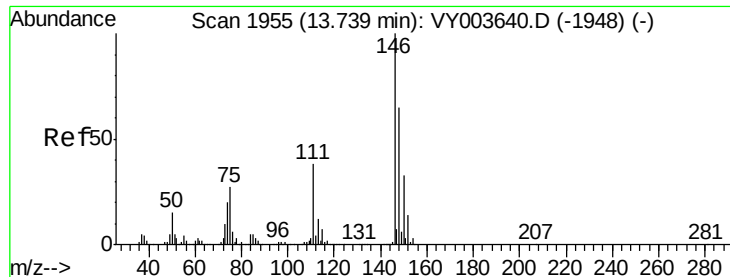
Ion Ratio Lower Upper

146 100

111 51.3 24.7 45.9#

148 62.2 43.4 80.6

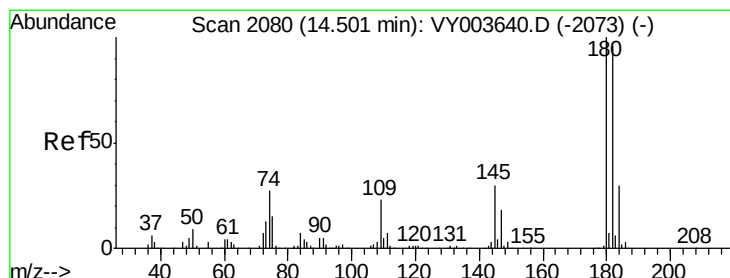
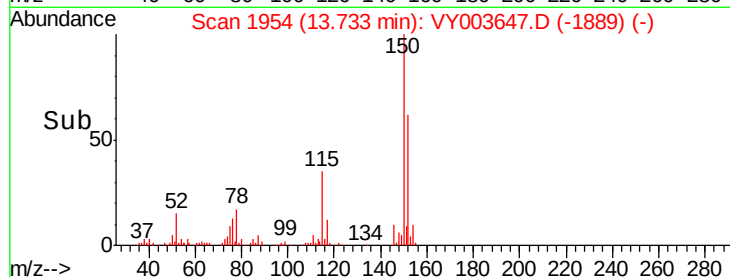
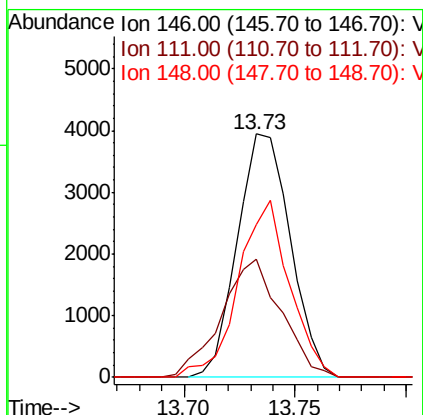
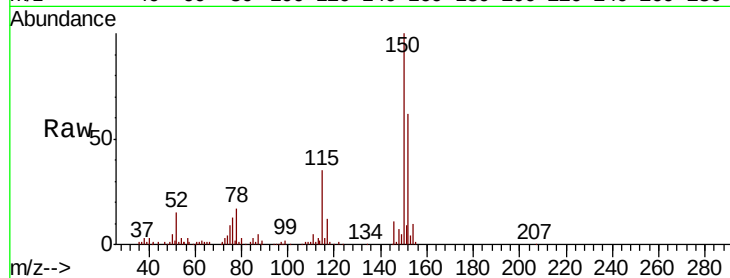




#67
 1,2-Dichlorobenzene
 Concen: 1.247 ug/L
 RT: 13.73 min Scan# 1954
 Delta R.T. -0.01 min
 Lab File: VY003647.D
 Acq: 02 Dec 2020 13:05

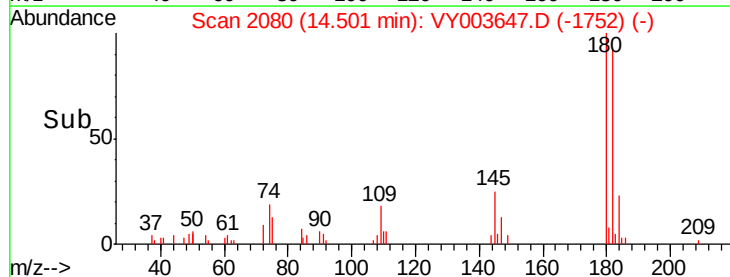
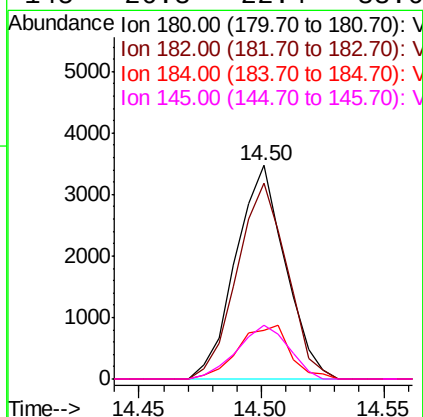
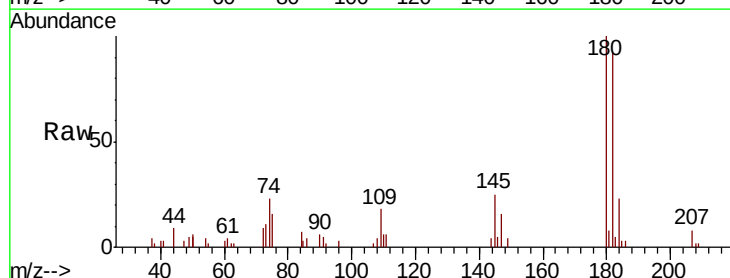
Instrument :
 MSVOA_Y
 ClientSampleID :
 MDL03

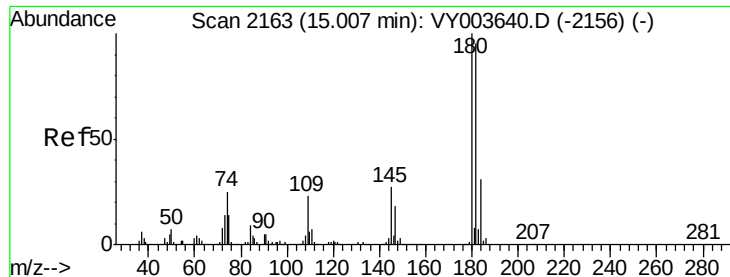
Tot Ion:146 Resp: 6551
 Ion Ratio Lower Upper
 146 100
 111 48.3 31.0 46.6#
 148 63.0 51.0 76.4



#69
 1,3,5-Trichlorobenzene
 Concen: 1.249 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VY003647.D
 Acq: 02 Dec 2020 13:05

Tgt Ion:180 Resp: 4907
 Ion Ratio Lower Upper
 180 100
 182 92.1 75.4 113.0
 184 26.6 24.1 36.1
 145 26.3 22.4 33.6

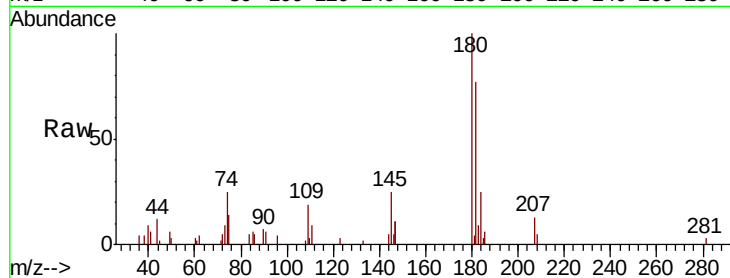




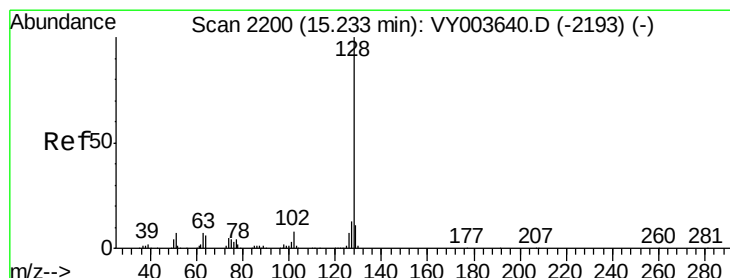
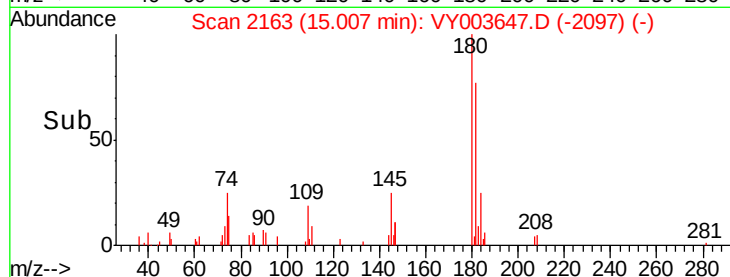
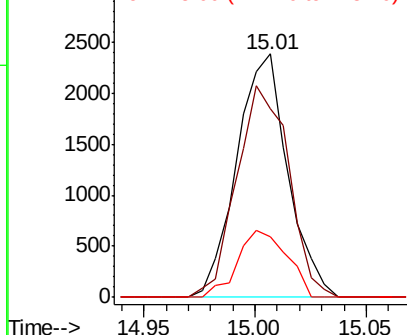
#70
1,2,4-trichlorobenzene
Concen: 1.138 ug/L
RT: 15.01 min Scan# 2163
Delta R.T. -0.00 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Instrument :
MSVOA_Y
ClientSampleId :
MDL03

Tot Ion:180 Resp: 3809
Ion Ratio Lower Upper
180 100
182 88.4 76.1 114.1
145 26.5 22.8 34.2

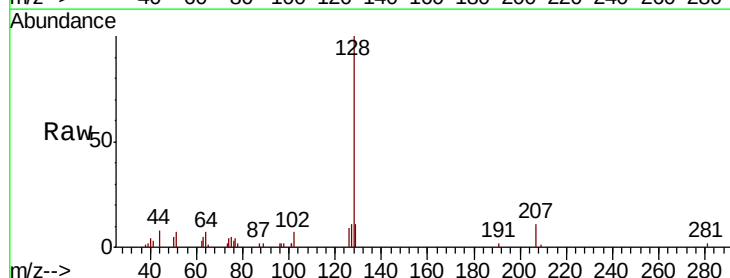


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

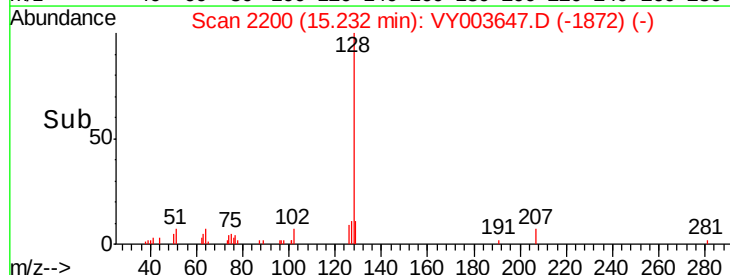
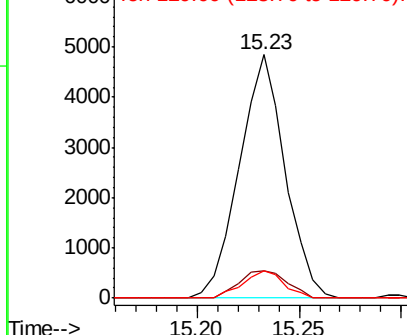


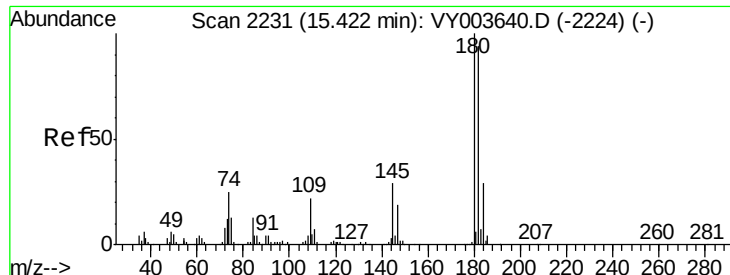
#71
Naphthalene
Concen: 1.031 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Tgt Ion:128 Resp: 7536
Ion Ratio Lower Upper
128 100
127 11.9 10.4 15.6
129 10.0 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: 1.107 ug/L
 RT: 15.42 min Scan# 2231
 Delta R.T. -0.00 min
 Lab File: VY003647.D
 Acq: 02 Dec 2020 13:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

Tot Ion:180 Resp: 3402
 Ion Ratio Lower Upper
 180 100
 182 91.4 76.2 114.4
 145 30.1 23.6 35.4

