

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120120\
 Data File : VY003636.D
 Acq On : 01 Dec 2020 16:21
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

Quant Time: Dec 02 01:28:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120120SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 01 12:34:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	242039	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	220944	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	109214	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	63700	20.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.56%
7) Chloroethane-d5	2.77	69	51986	21.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.76%
11) 1,1-Dichloroethene-d2	3.86	63	100843	16.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.08%
21) 2-Butanone-d5	6.90	46	63529	46.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.58%
24) Chloroform-d	7.48	84	128062	20.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.44%
26) 1,2-Dichloroethane-d4	8.15	65	73196	22.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.08%
32) Benzene-d6	8.11	84	271975	21.66	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.64%
36) 1,2-Dichloropropane-d6	9.12	67	84110	22.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.00%
41) Toluene-d8	10.18	98	243511	21.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.84%
43) trans-1,3-Dichloropropene-	10.43	79	38181	21.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.32%
47) 2-Hexanone-d5	10.79	63	46690	45.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.38%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	83516	21.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.40%
66) 1,2-Dichlorobenzene-d4	13.72	152	86714	22.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.48%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.91	85	3834	1.365	ug/L	96
3) Chloromethane	2.12	50	4247	1.394	ug/L	94
5) Vinyl chloride	2.25	62	4611	1.411	ug/L #	61
6) Bromomethane	2.66	94	2882	1.408	ug/L	90
9) Trichlorofluoromethane	3.14	101	7102	1.432	ug/L	99
12) 1,1-Dichloroethene	3.89	96	5006	1.591	ug/L #	1
13) Acetone	3.96	43	2536	2.606	ug/L	97
14) Carbon disulfide	4.20	76	12336	1.187	ug/L	99
15) Methyl Acetate	4.48	43	1782	0.761	ug/L	98
16) Methylene chloride	4.73	84	14366	3.516	ug/L	98
17) trans-1,2-Dichloroethene	5.23	96	3078	0.891	ug/L	91
18) Methyl tert-butyl Ether	5.23	73	6986	0.827	ug/L #	83
19) 1,1-Dichloroethane	6.03	63	7416	1.275	ug/L	95
20) cis-1,2-Dichloroethene	6.99	96	4761	1.314	ug/L #	48
22) 2-Butanone	7.00	43	6251	3.821	ug/L	93
23) Bromochloromethane	7.34	128	2115	1.197	ug/L	89
27) 1,2-Dichloroethane	8.25	62	5119	1.334	ug/L #	83

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

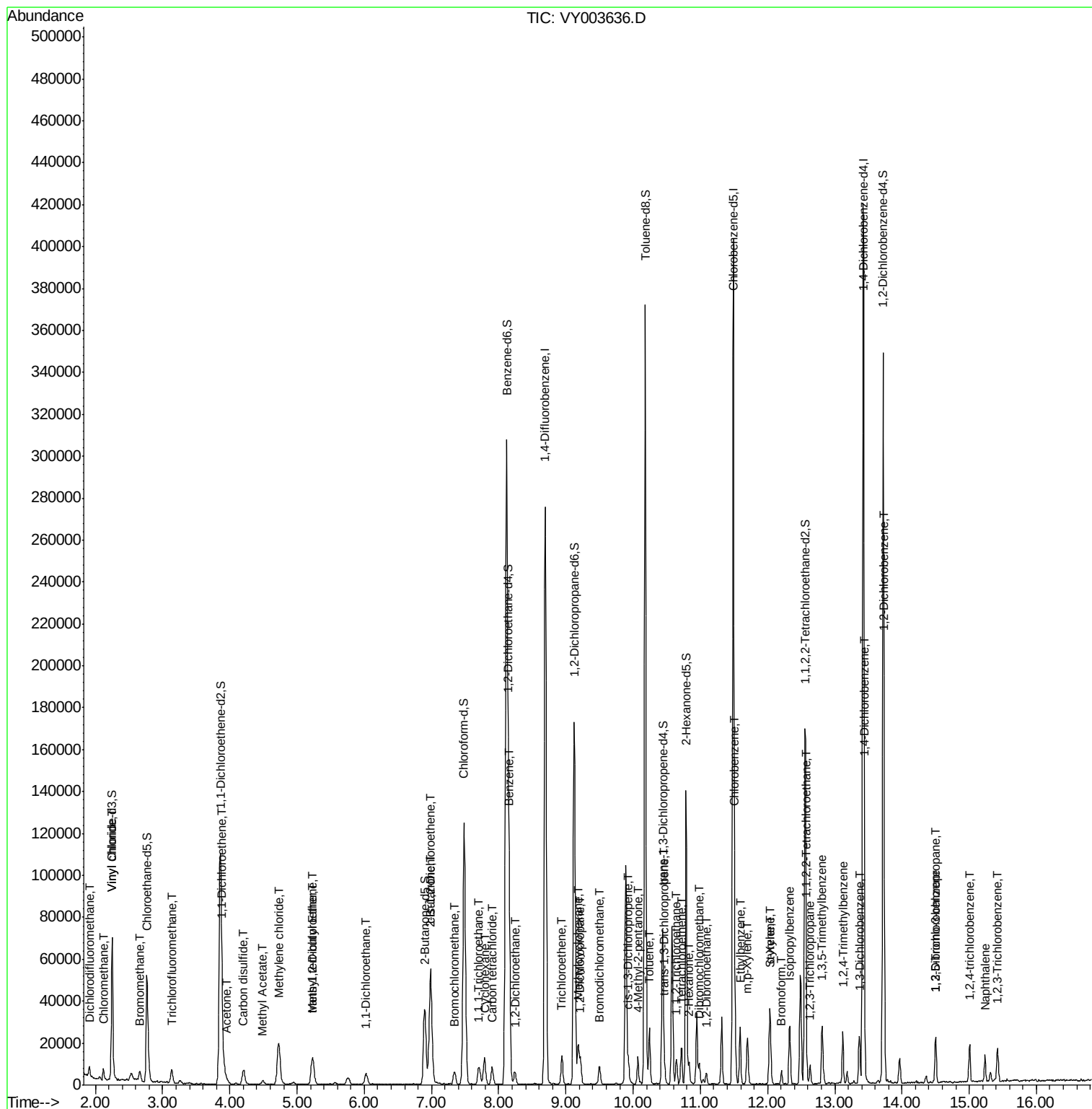
29) Cyclohexane	7.79	56	6507	1.240	ug/L	97
30) 1,1,1-Trichloroethane	7.70	97	6691	1.328	ug/L #	76
31) Carbon tetrachloride	7.90	117	5833	1.283	ug/L	97
33) Benzene	8.16	78	17509	1.297	ug/L	100
34) Trichloroethene	8.94	95	4447	1.319	ug/L	91
35) Methylcyclohexane	9.18	83	7178	1.246	ug/L	98
37) 1,2-Dichloropropane	9.22	63	4294	1.253	ug/L #	89
38) Bromodichloromethane	9.50	83	5223	1.211	ug/L #	96
39) cis-1,3-Dichloropropene	9.93	75	6416	1.212	ug/L	100
40) 4-Methyl-2-pentanone	10.07	43	8562	2.845	ug/L	100
42) Toluene	10.24	91	18092	1.275	ug/L	94
44) trans-1,3-Dichloropropene	10.46	75	7633	1.562	ug/L	95
45) 1,1,2-Trichloroethane	10.64	97	3561	1.237	ug/L	95
46) Tetrachloroethene	10.72	164	3844	1.333	ug/L	96
48) 2-Hexanone	10.83	43	5709	2.599	ug/L	97
49) Dibromochloromethane	10.98	129	4488	1.349	ug/L	86
50) 1,2-Dibromoethane	11.09	107	3515	1.263	ug/L #	97
51) Chlorobenzene	11.51	112	12538	1.372	ug/L	100
52) Ethylbenzene	11.59	91	19112	1.259	ug/L	97
53) m,p-Xylene	11.70	106	7610	1.282	ug/L	88
54) o-Xylene	12.03	106	6803	1.213	ug/L	97
55) Styrene	12.04	104	10723	1.118	ug/L	89
57) 1,1,2,2-Tetrachloroethane	12.58	83	5205	1.365	ug/L #	89
59) Bromoform	12.21	173	2697	1.258	ug/L	98
60) Isopropylbenzene	12.32	105	16864	1.208	ug/L	99
61) 1,2,3-Trichloropropane	12.64	75	3469	1.328	ug/L	95
62) 1,3,5-Trimethylbenzene	12.81	105	12669	1.144	ug/L	96
63) 1,2,4-Trimethylbenzene	13.12	105	12915	1.181	ug/L	97
64) 1,3-Dichlorobenzene	13.37	146	9129	1.351	ug/L	92
65) 1,4-Dichlorobenzene	13.45	146	9443	1.376	ug/L	99
67) 1,2-Dichlorobenzene	13.74	146	8178	1.289	ug/L	94
68) 1,2-Dibromo-3-chloropropan	14.49	75	1056	1.742	ug/L #	1
69) 1,3,5-Trichlorobenzene	14.50	180	6051	1.275	ug/L	91
70) 1,2,4-trichlorobenzene	15.01	180	5527	1.367	ug/L	97
71) Naphthalene	15.23	128	9766	1.107	ug/L	98
72) 1,2,3-Trichlorobenzene	15.42	180	5116	1.378	ug/L	95

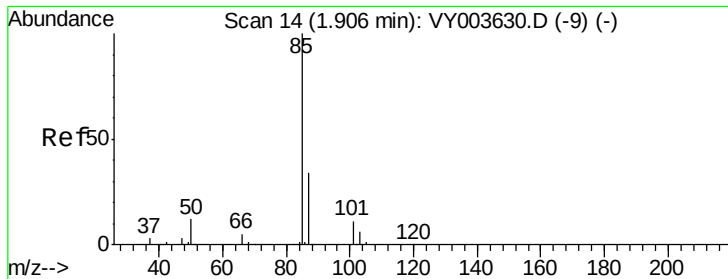
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#2

Dichlorodifluoromethane

Concen: 1.365 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.00 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Instrument :

MSVOA_Y

ClientSampleId :

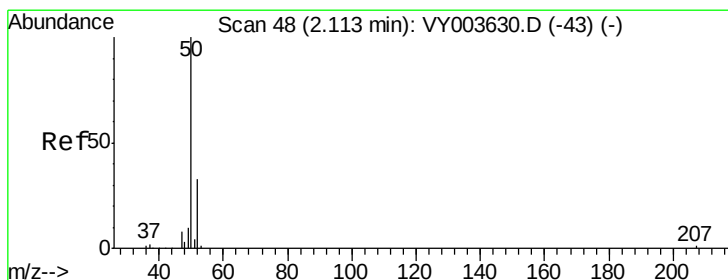
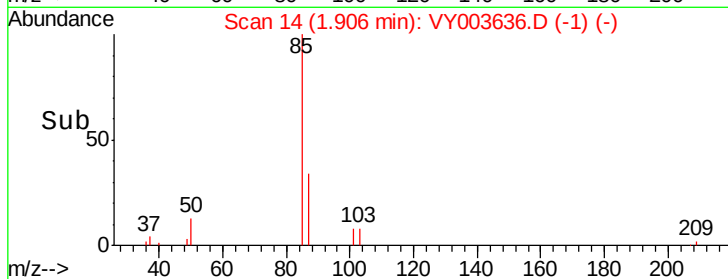
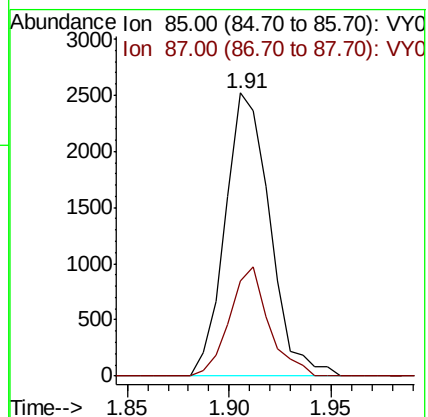
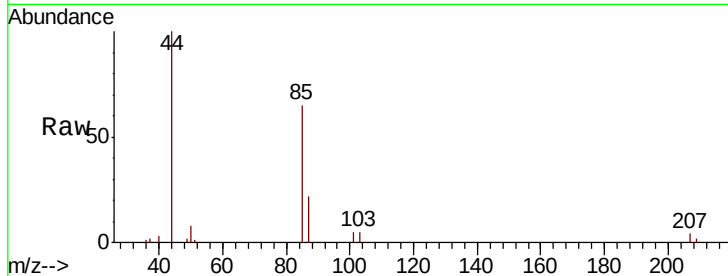
MDL01

Tot Ion: 85 Resp: 3834

Ion Ratio Lower Upper

85 100

87 33.8 25.4 38.2



#3

Chloromethane

Concen: 1.394 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.01 min

Lab File: VY003636.D

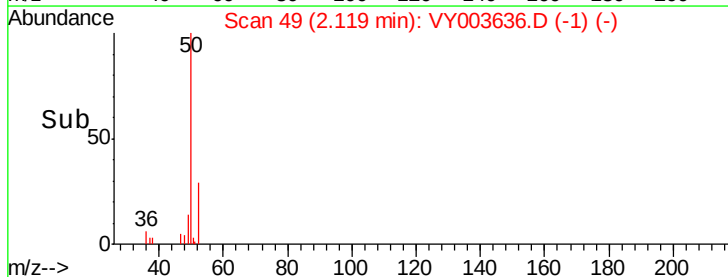
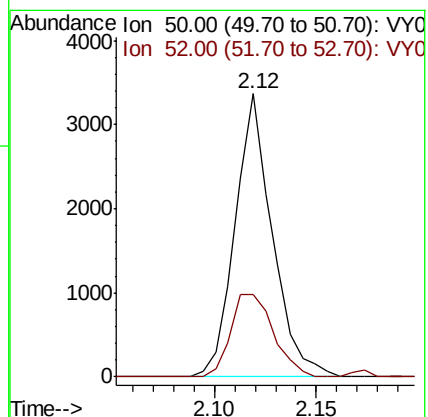
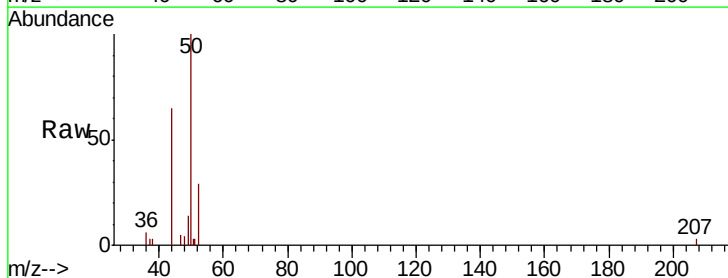
Acq: 01 Dec 2020 16:21

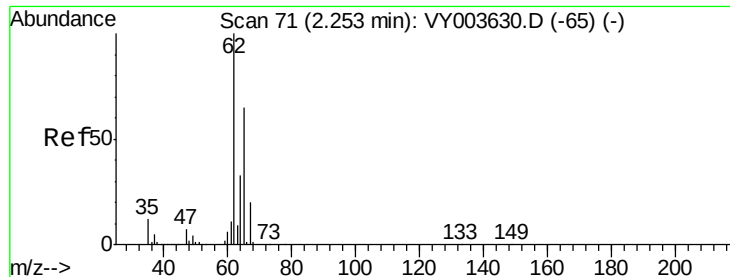
Tgt Ion: 50 Resp: 4247

Ion Ratio Lower Upper

50 100

52 29.0 22.7 42.3





#5

Vinyl chloride

Concen: 1.411 ug/L

RT: 2.25 min Scan# 71

Delta R.T. -0.00 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Instrument :

MSVOA_Y

ClientSampleId :

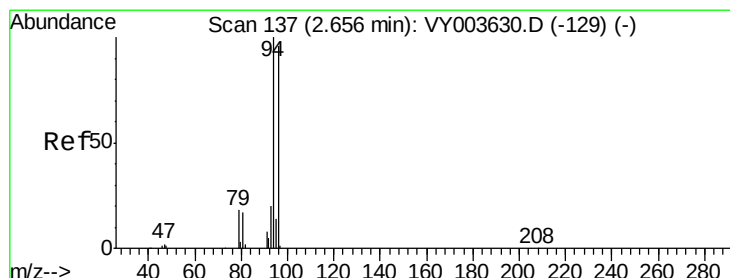
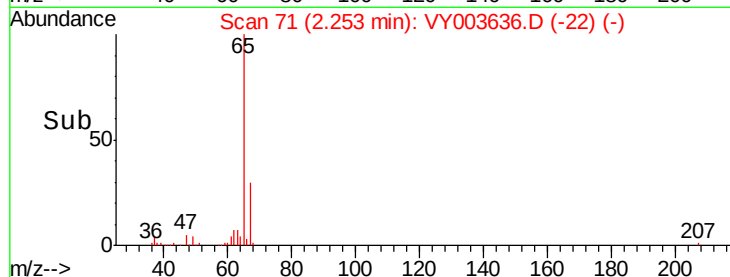
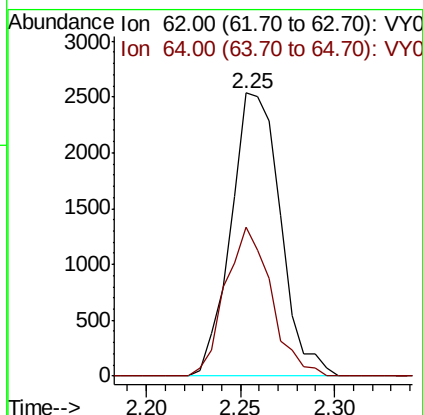
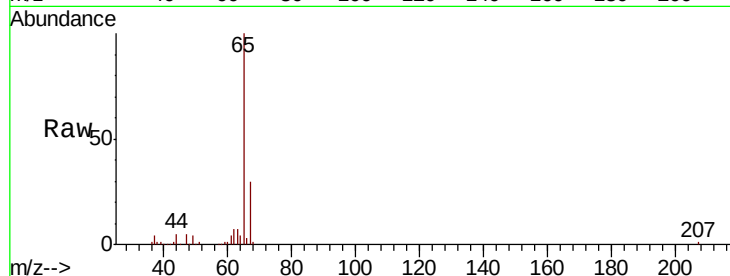
MDL01

Tot Ion: 62 Resp: 4611

Ion Ratio Lower Upper

62 100

64 52.7 21.9 40.7#



#6

Bromomethane

Concen: 1.408 ug/L

RT: 2.66 min Scan# 137

Delta R.T. -0.01 min

Lab File: VY003636.D

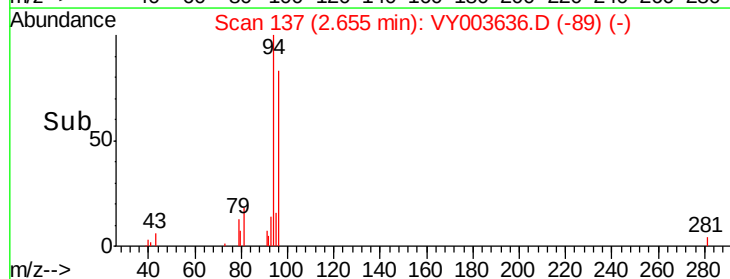
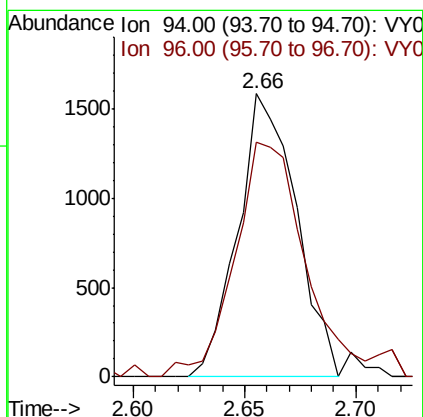
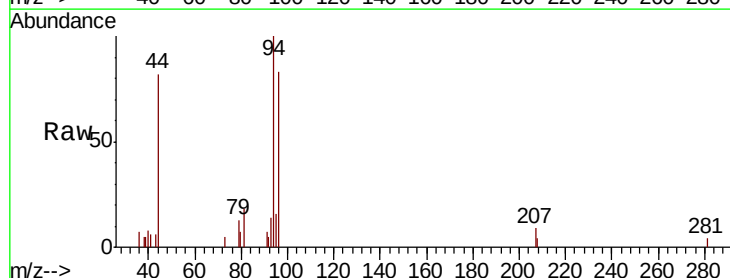
Acq: 01 Dec 2020 16:21

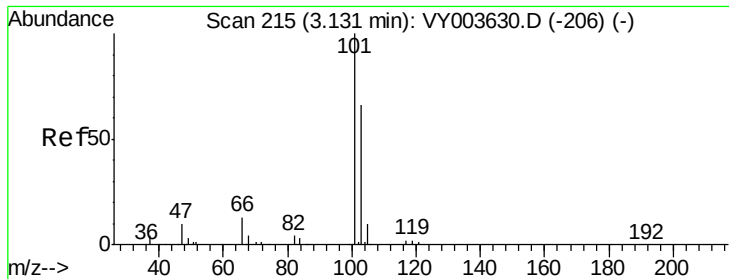
Tgt Ion: 94 Resp: 2882

Ion Ratio Lower Upper

94 100

96 83.0 65.2 121.0



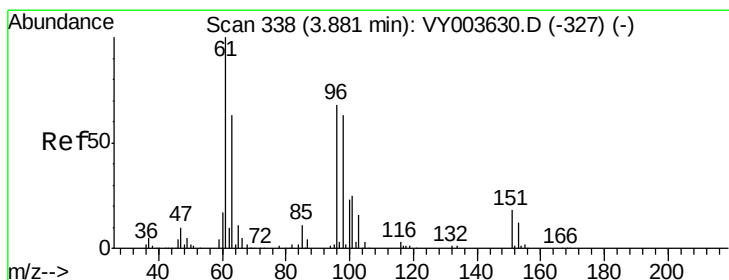
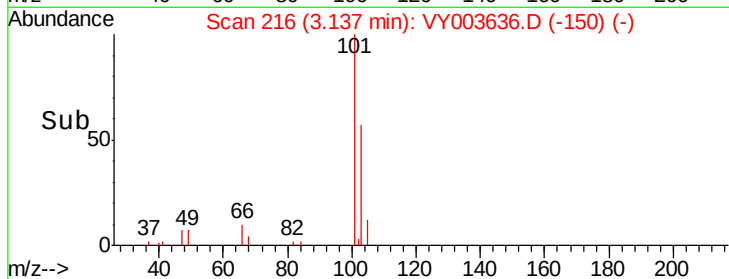
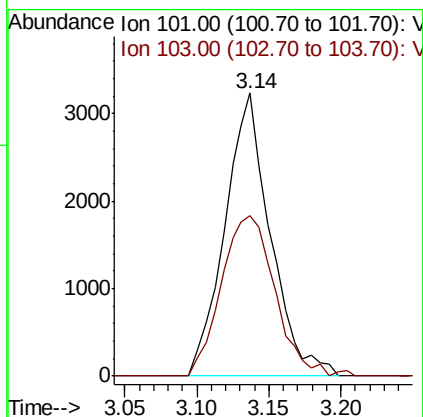
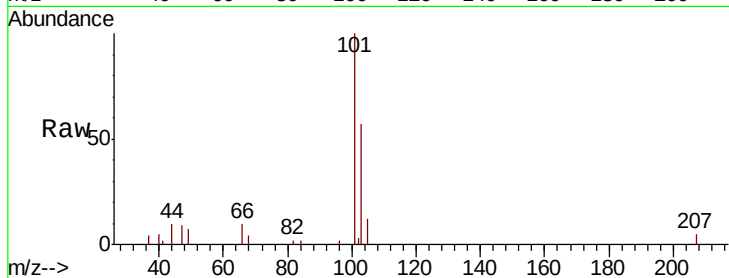


#9

Trichlorofluoromethane
 Concen: 1.432 ug/L
 RT: 3.14 min Scan# 216
 Delta R.T. -0.00 min
 Lab File: VY003636.D
 Acq: 01 Dec 2020 16:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

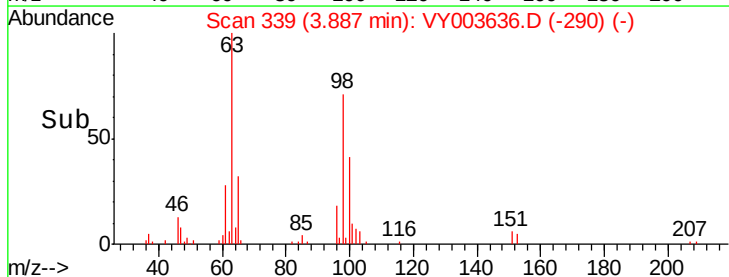
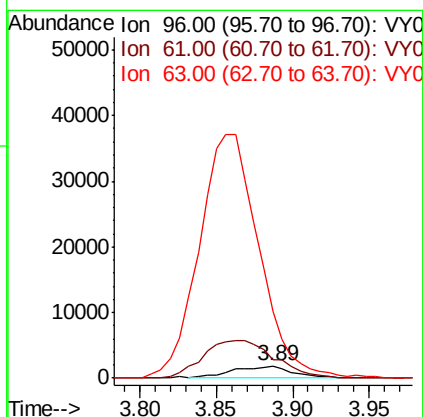
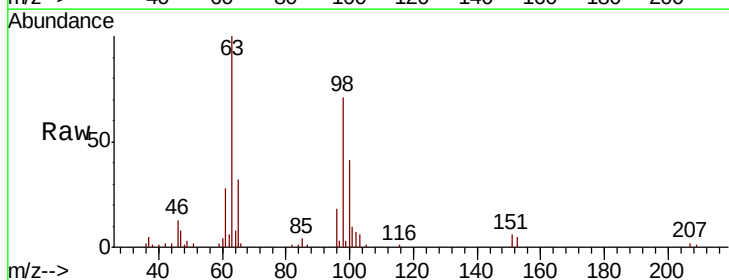
Tot Ion:101 Resp: 7102
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.9 77.9

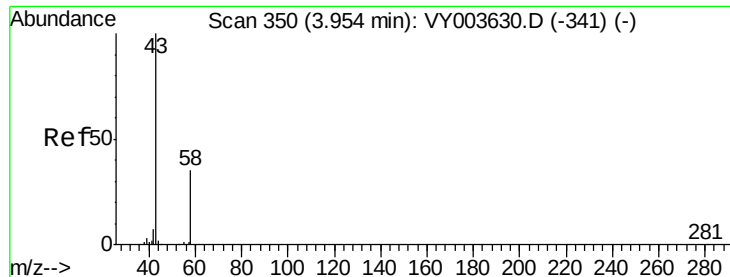


#12

1,1-Dichloroethene
 Concen: 1.591 ug/L
 RT: 3.89 min Scan# 339
 Delta R.T. -0.00 min
 Lab File: VY003636.D
 Acq: 01 Dec 2020 16:21

Tgt Ion: 96 Resp: 5006
 Ion Ratio Lower Upper
 96 100
 61 153.1 106.1 197.1
 63 552.5 62.9 116.9#





#13

Acetone

Concen: 2.606 ug/L

RT: 3.96 min Scan# 351

Delta R.T. -0.01 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Instrument :

MSVOA_Y

ClientSampleId :

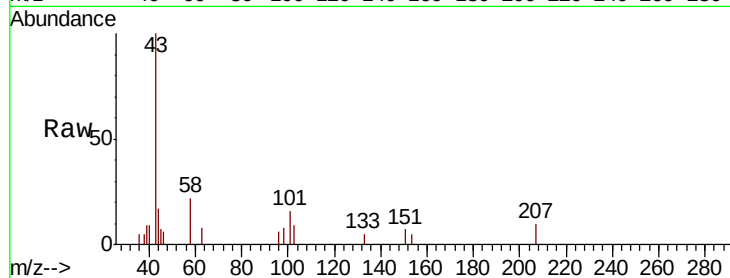
MDL01

Tot Ion: 43 Resp: 2536

Ion Ratio Lower Upper

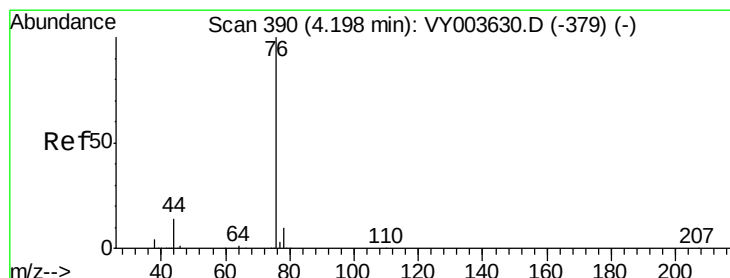
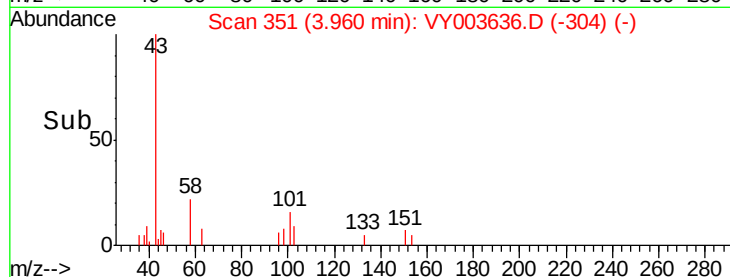
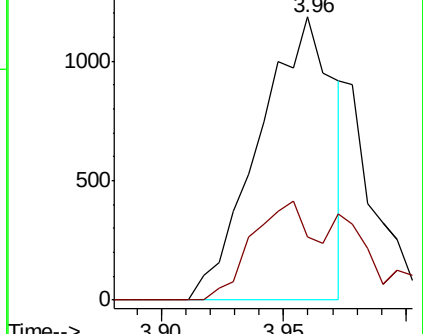
43 100

58 28.9 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 1.187 ug/L

RT: 4.20 min Scan# 390

Delta R.T. -0.01 min

Lab File: VY003636.D

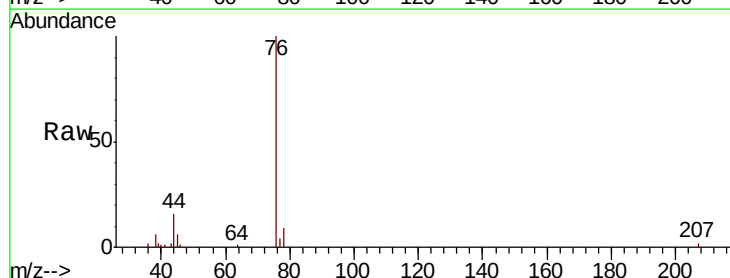
Acq: 01 Dec 2020 16:21

Tgt Ion: 76 Resp: 12336

Ion Ratio Lower Upper

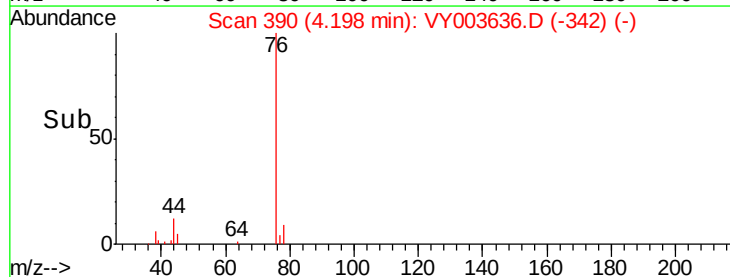
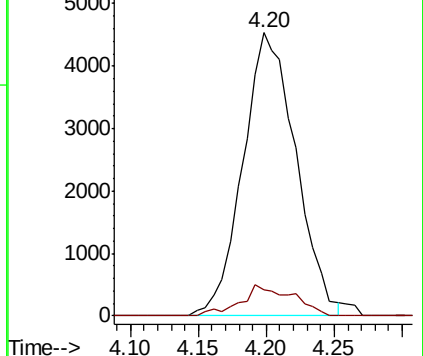
76 100

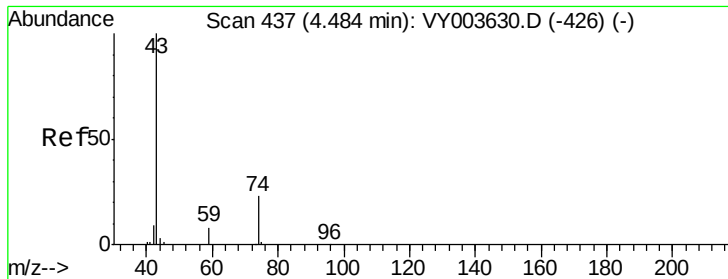
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

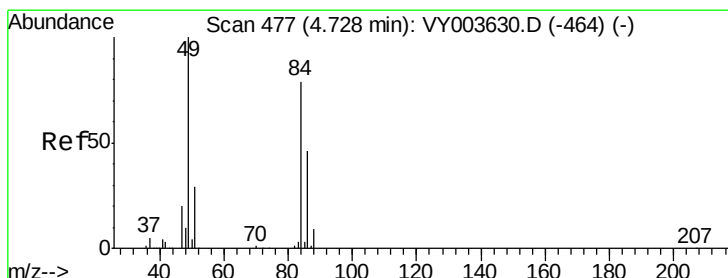
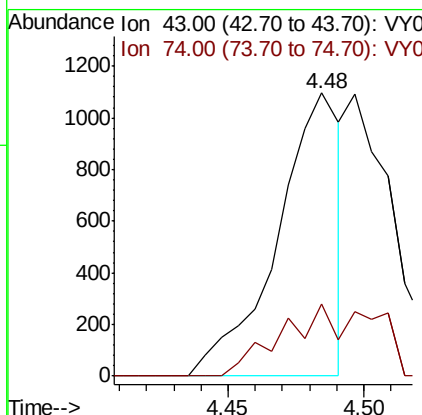
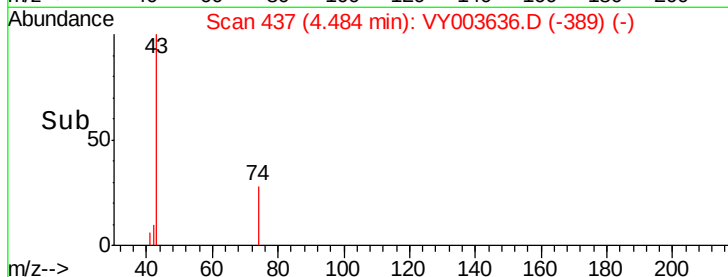
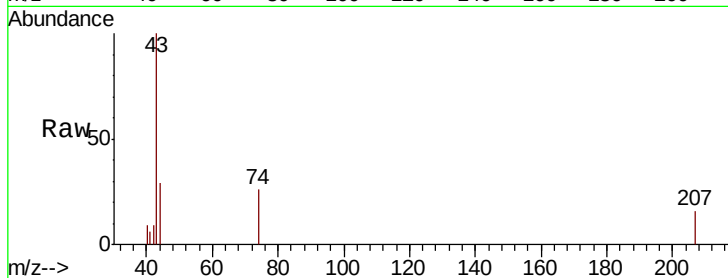




#15
Methyl Acetate
Concen: 0.761 ug/L
RT: 4.48 min Scan# 437
Delta R.T. -0.01 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

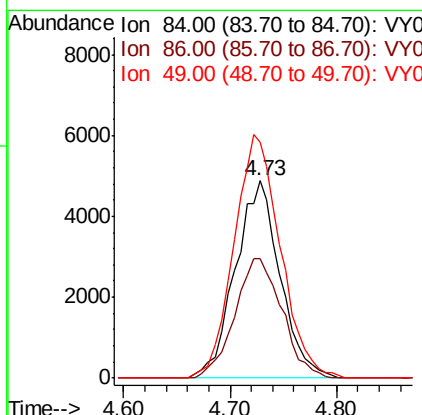
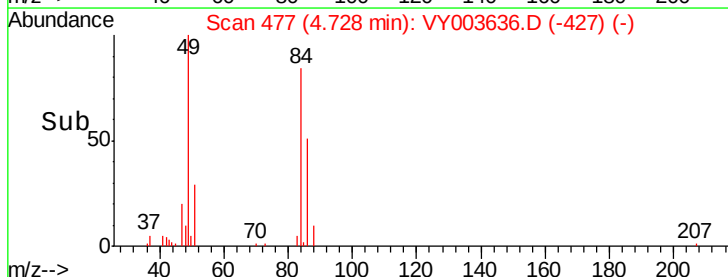
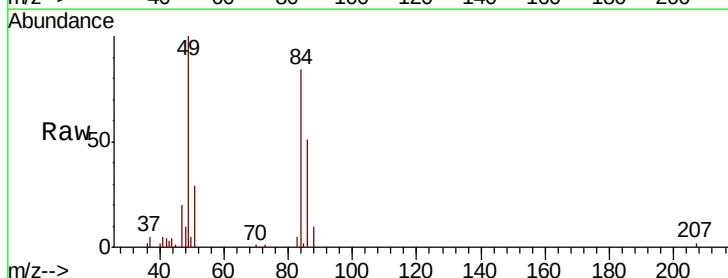
Instrument :
MSVOA_Y
ClientSampled :
MDL01

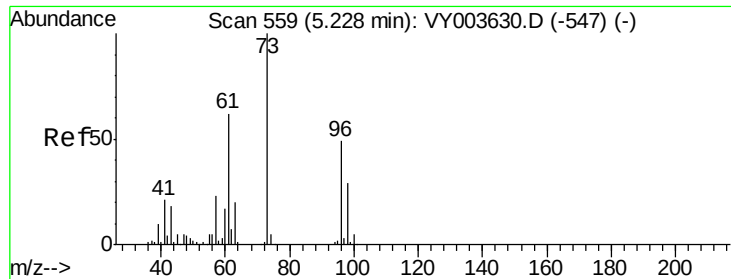
Tot Ion: 43 Resp: 1782
Ion Ratio Lower Upper
43 100
74 21.9 18.2 27.2



#16
Methylene chloride
Concen: 3.516 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

Tgt Ion: 84 Resp: 14366
Ion Ratio Lower Upper
84 100
86 60.3 43.3 80.3
49 119.4 85.3 158.5

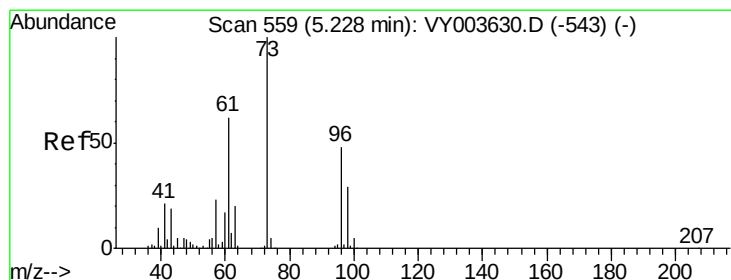
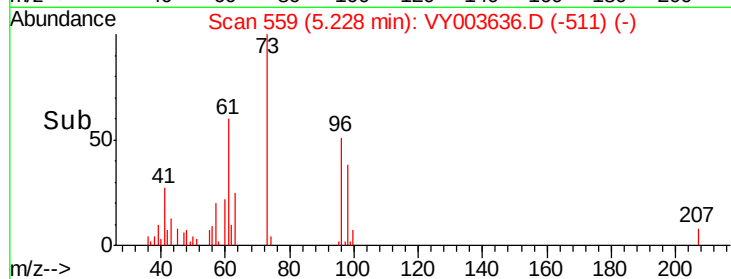
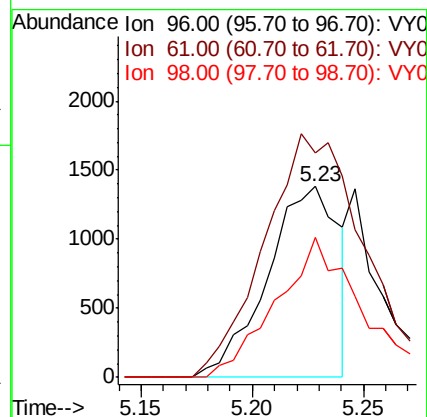
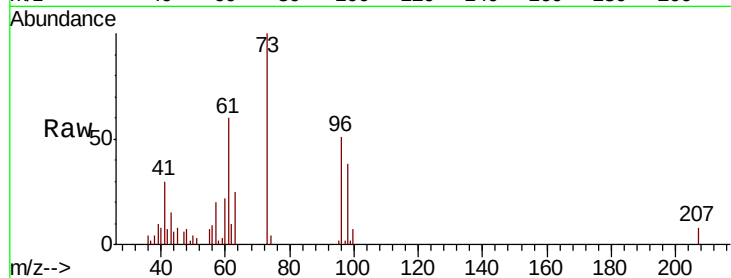




#17
trans-1,2-Dichloroethene
Concen: 0.891 ug/L
RT: 5.23 min Scan# 559
Delta R.T. -0.01 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

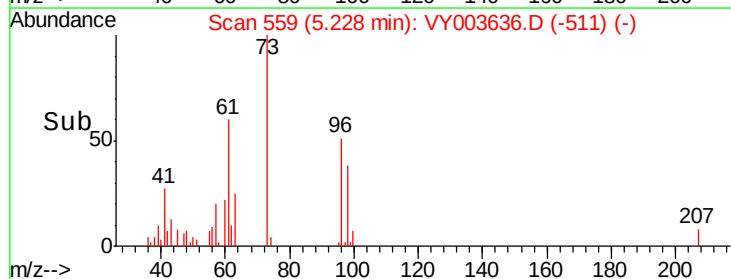
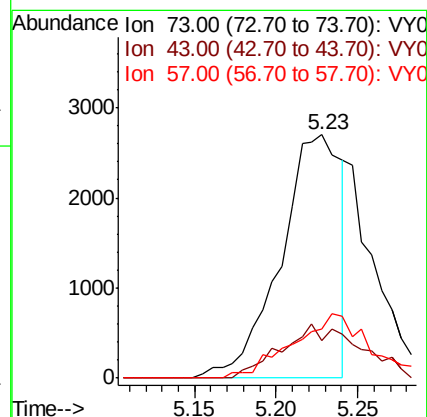
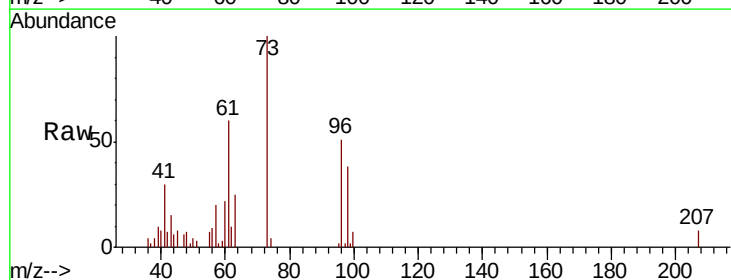
Instrument :
MSVOA_Y
ClientSampled :
MDL01

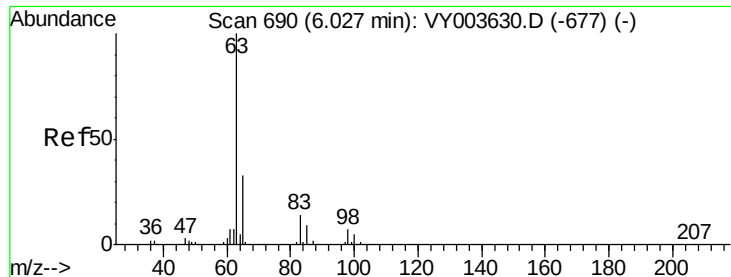
Tot Ion: 96 Resp: 3078
Ion Ratio Lower Upper
96 100
61 117.8 89.5 166.1
98 73.6 45.5 84.5



#18
Methyl tert-butyl Ether
Concen: 0.827 ug/L
RT: 5.23 min Scan# 559
Delta R.T. -0.01 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

Tgt Ion: 73 Resp: 6986
Ion Ratio Lower Upper
73 100
43 13.4 15.2 22.8#
57 32.2 18.1 27.1#

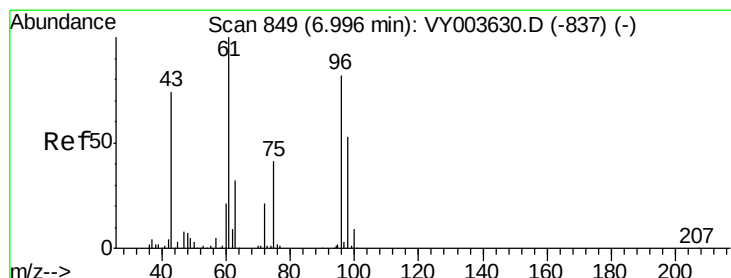
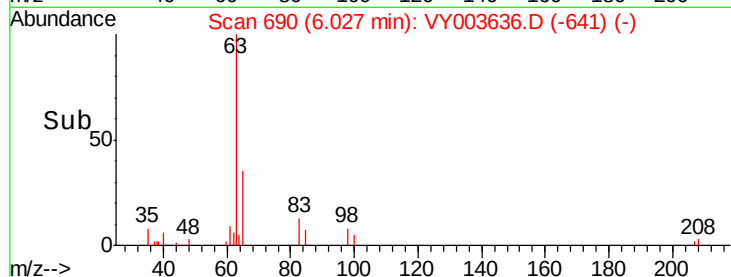
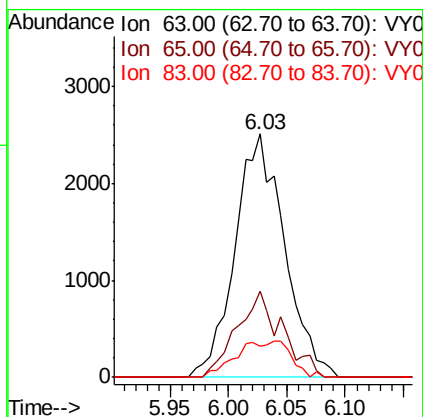
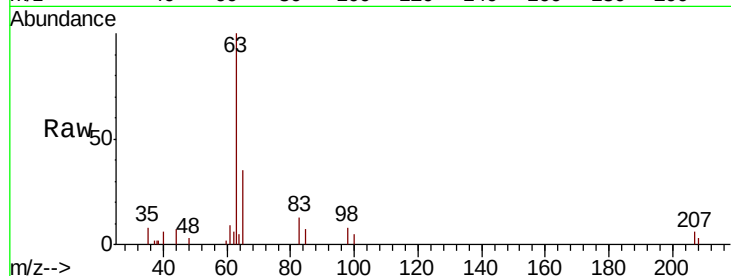




#19
 1,1-Dichloroethane
 Concen: 1.275 ug/L
 RT: 6.03 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VY003636.D
 Acq: 01 Dec 2020 16:21

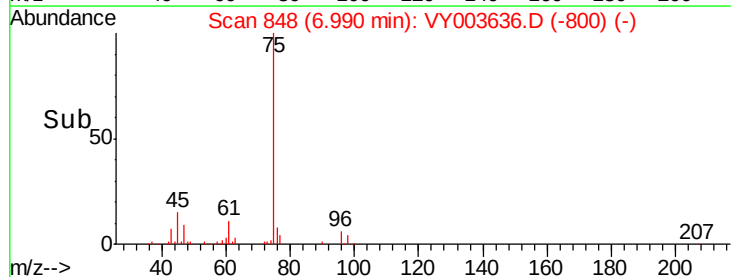
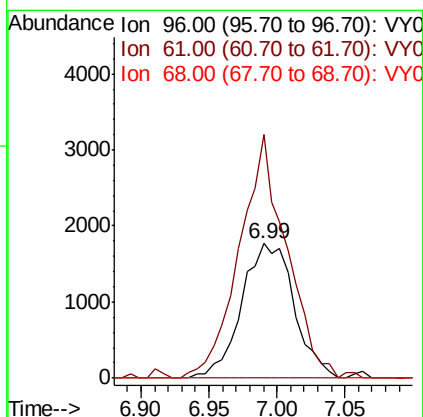
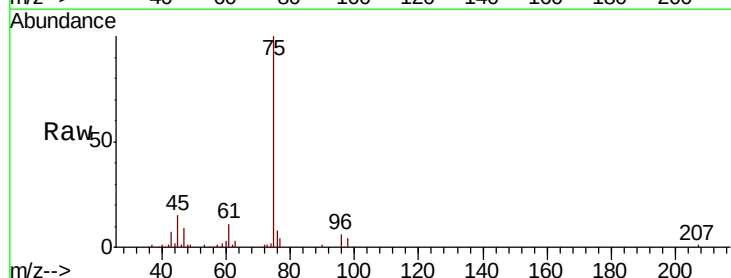
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

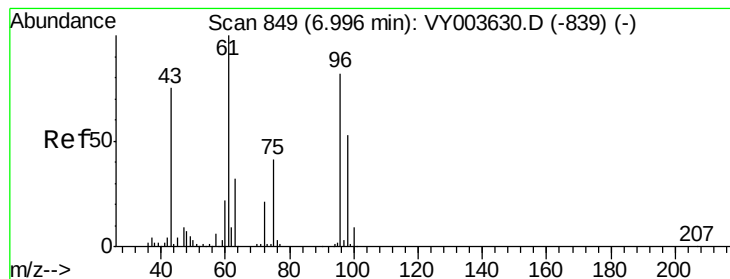
Tot Ion: 63 Resp: 7416
 Ion Ratio Lower Upper
 63 100
 65 35.2 21.9 40.7
 83 12.9 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 1.314 ug/L
 RT: 6.99 min Scan# 848
 Delta R.T. -0.01 min
 Lab File: VY003636.D
 Acq: 01 Dec 2020 16:21

Tgt Ion: 96 Resp: 4761
 Ion Ratio Lower Upper
 96 100
 61 181.2 85.8 159.4#
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 3.821 ug/L

RT: 7.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Instrument :

MSVOA_Y

ClientSampleId :

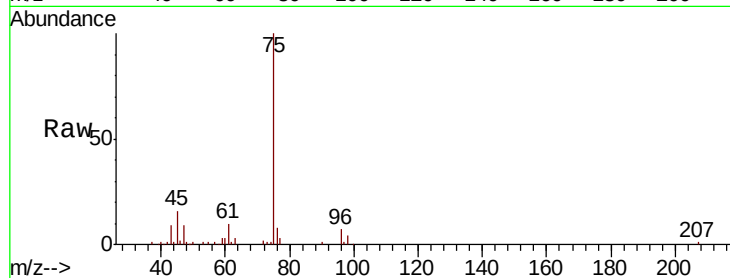
MDL01

Tot Ion: 43 Resp: 6251

Ion Ratio Lower Upper

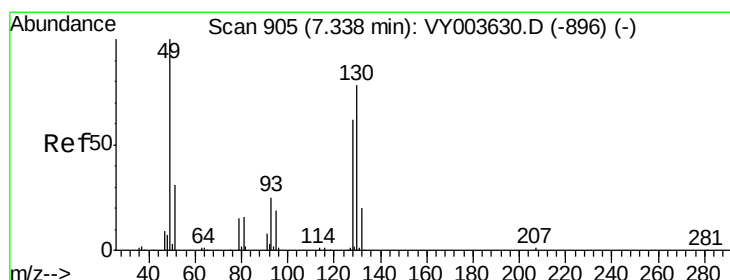
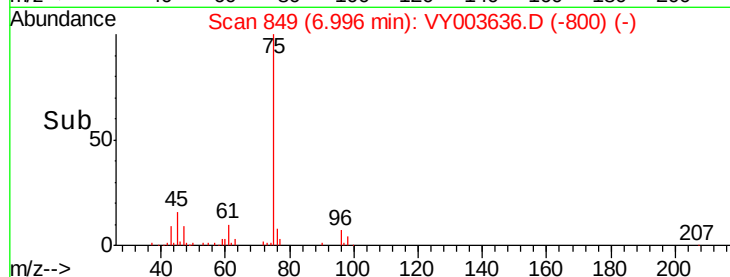
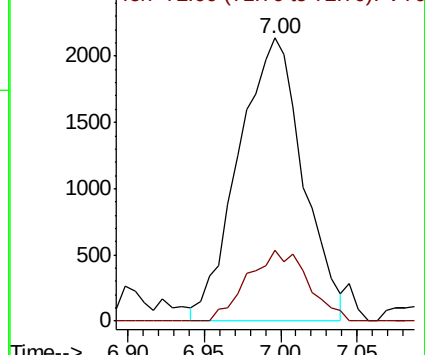
43 100

72 23.4 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: 1.197 ug/L

RT: 7.34 min Scan# 906

Delta R.T. -0.00 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Tgt Ion:128 Resp: 2115

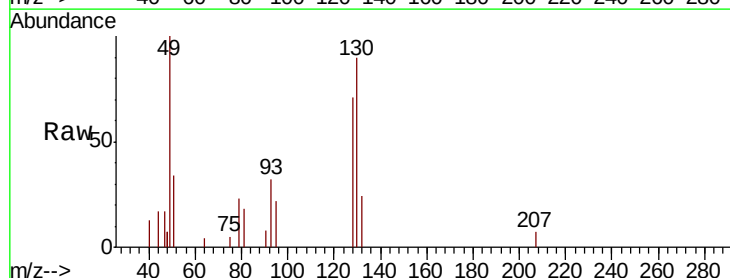
Ion Ratio Lower Upper

128 100

49 141.4 118.1 219.3

130 127.4 90.5 168.1

51 47.5 41.3 61.9

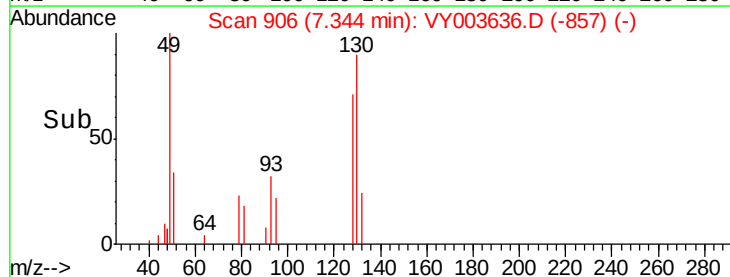
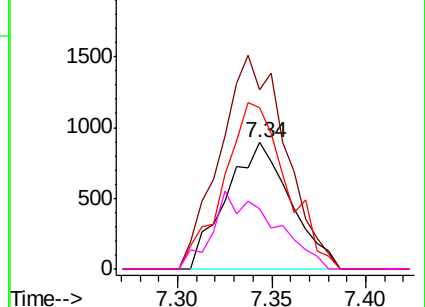


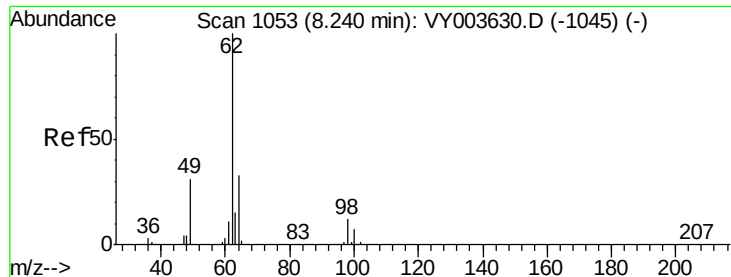
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VY0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VY0





#27

1,2-Dichloroethane

Concen: 1.334 ug/L

RT: 8.25 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Instrument :

MSVOA_Y

ClientSampled :

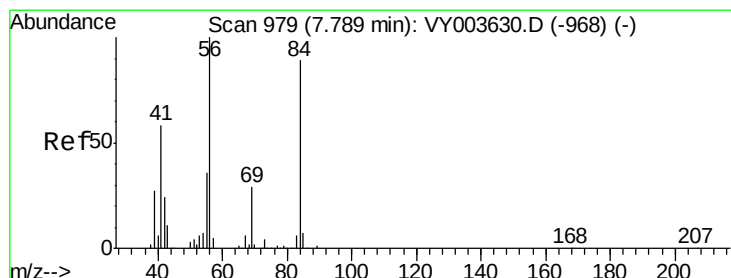
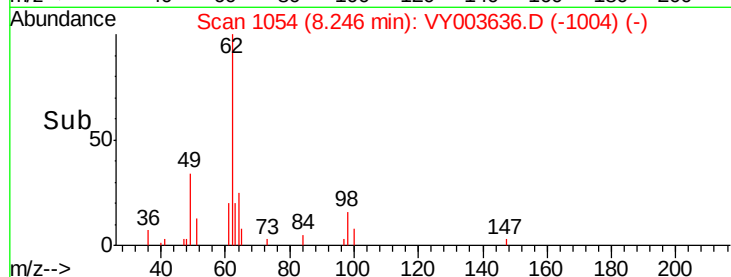
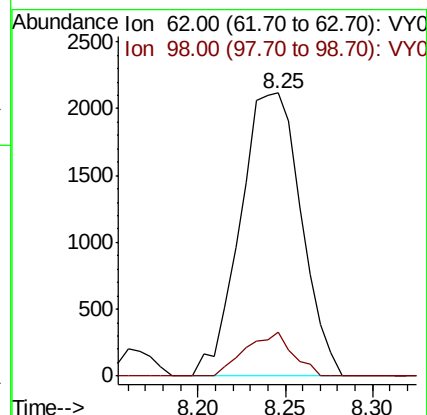
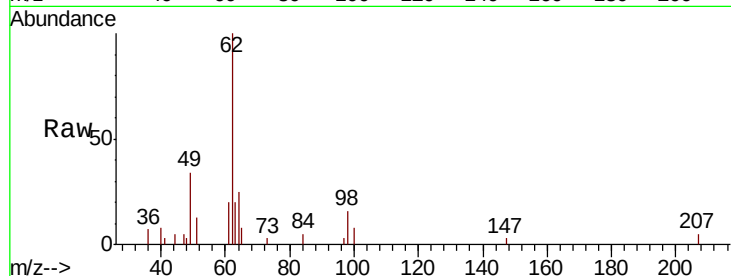
MDL01

Tot Ion: 62 Resp: 5119

Ion Ratio Lower Upper

62 100

98 15.7 7.5 11.3#



#29

Cyclohexane

Concen: 1.240 ug/L

RT: 7.79 min Scan# 979

Delta R.T. -0.00 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

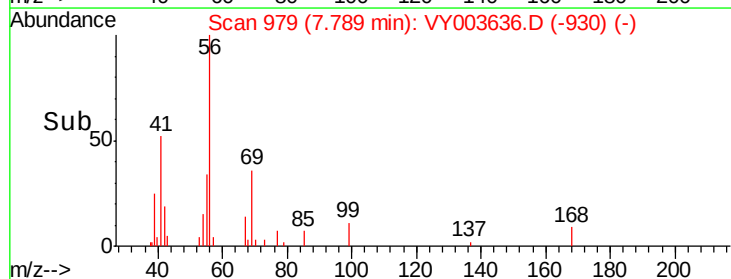
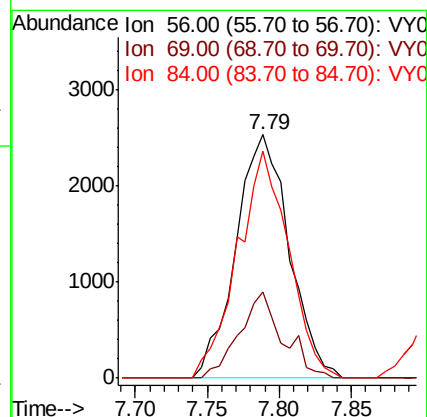
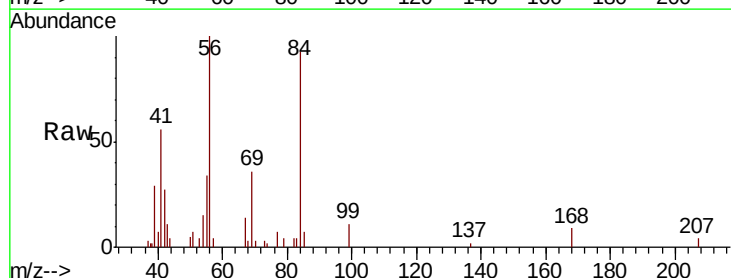
Tgt Ion: 56 Resp: 6507

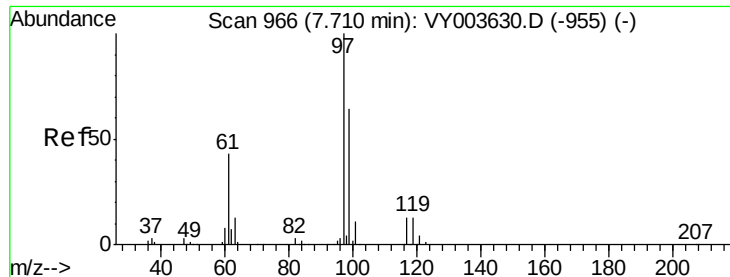
Ion Ratio Lower Upper

56 100

69 25.0 23.9 35.9

84 89.2 71.9 107.9

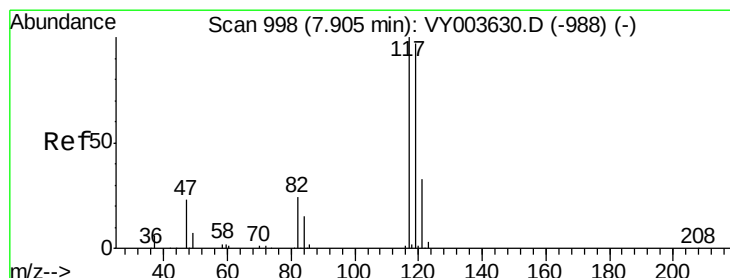
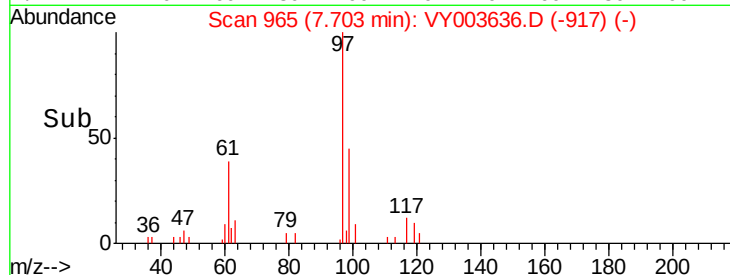
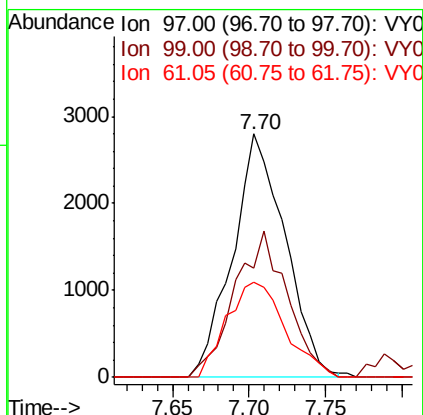
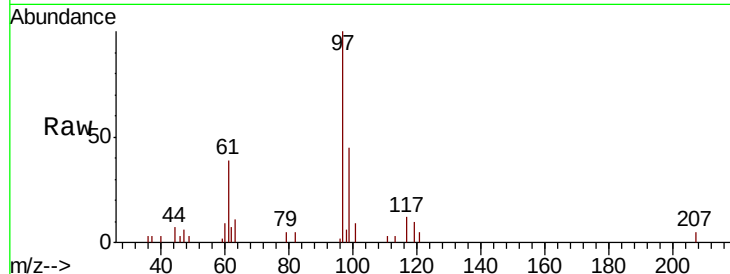




#30
 1,1,1-Trichloroethane
 Concen: 1.328 ug/L
 RT: 7.70 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VY003636.D
 Acq: 01 Dec 2020 16:21

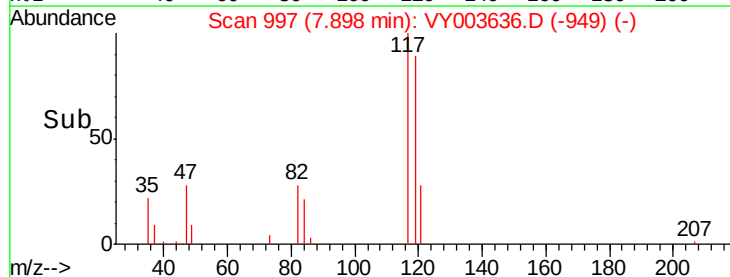
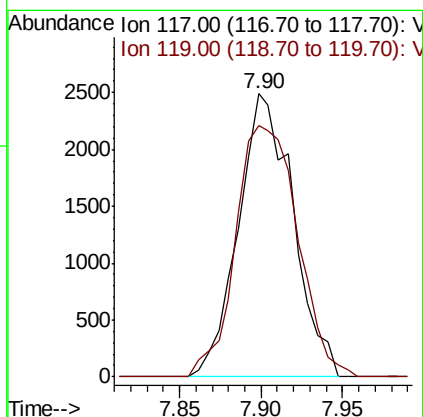
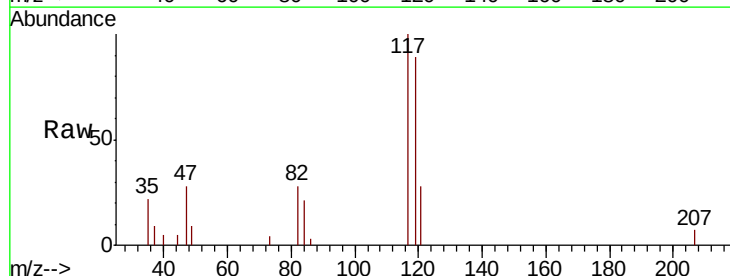
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL01

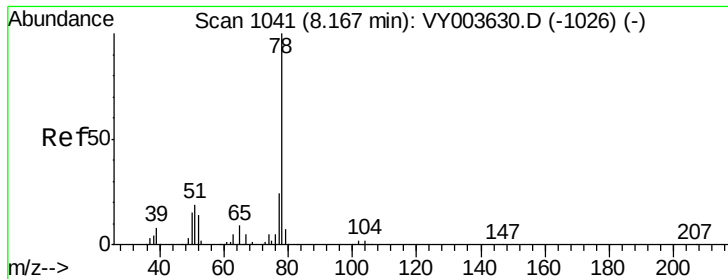
Tot Ion: 97 Resp: 6691
 Ion Ratio Lower Upper
 97 100
 99 32.7 50.6 76.0#
 61 43.5 34.3 51.5



#31
 Carbon tetrachloride
 Concen: 1.283 ug/L
 RT: 7.90 min Scan# 997
 Delta R.T. -0.01 min
 Lab File: VY003636.D
 Acq: 01 Dec 2020 16:21

Tgt Ion: 117 Resp: 5833
 Ion Ratio Lower Upper
 117 100
 119 100.1 77.7 116.5





#33

Benzene

Concen: 1.297 ug/L

RT: 8.16 min Scan# 1040

Delta R.T. -0.01 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

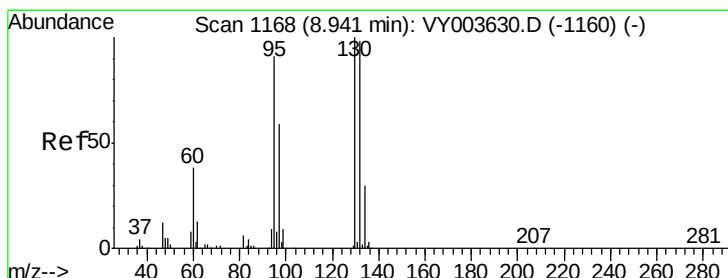
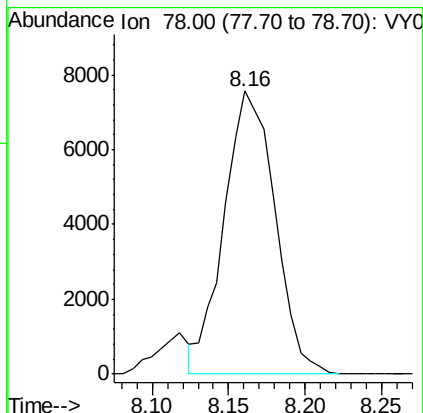
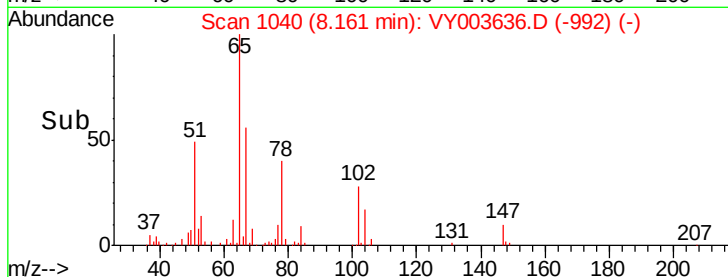
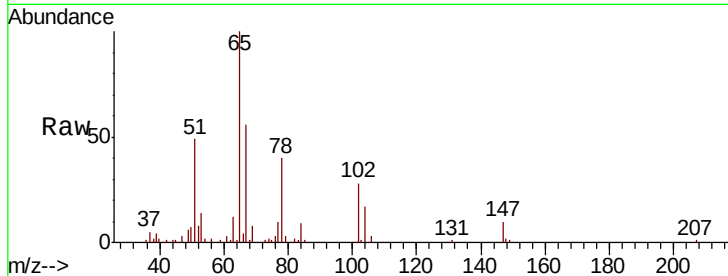
Instrument :

MSVOA_Y

ClientSampleId :

MDL01

Tgt Ion: 78 Resp: 17509



#34

Trichloroethene

Concen: 1.319 ug/L

RT: 8.94 min Scan# 1168

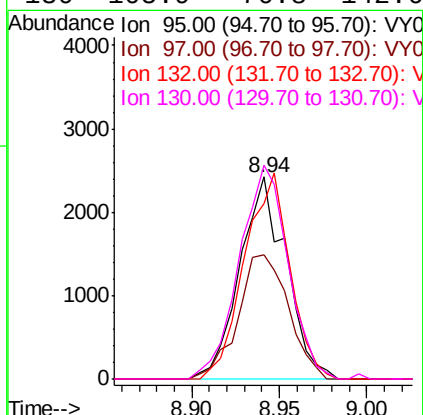
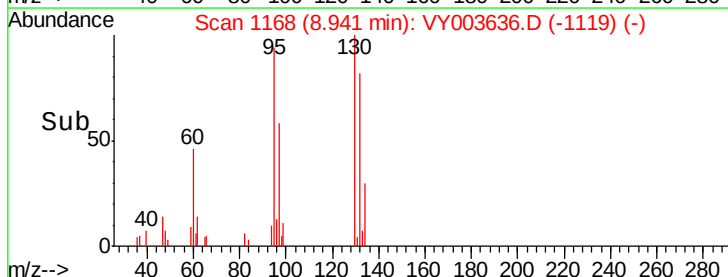
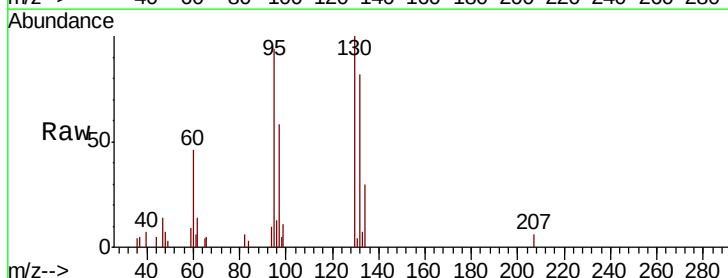
Delta R.T. -0.00 min

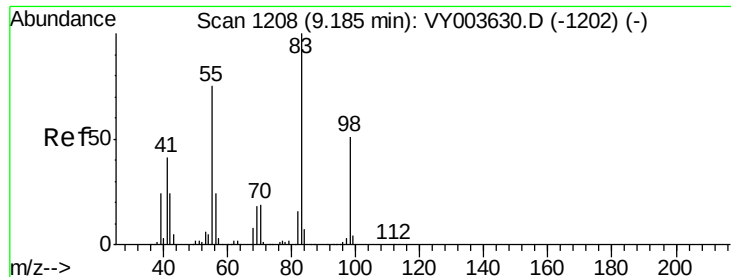
Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Tgt Ion: 95 Resp: 4447

Ion	Ratio	Lower	Upper
95	100		
97	61.7	44.7	83.1
132	87.0	74.7	138.7
130	105.9	76.8	142.6

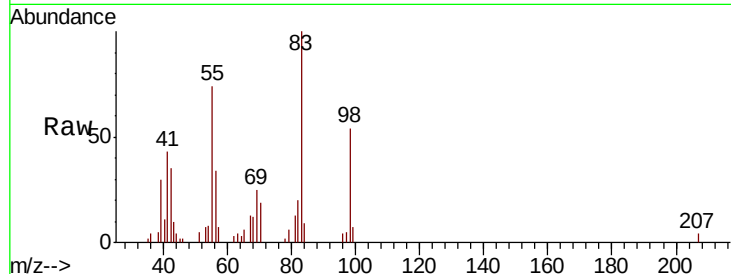




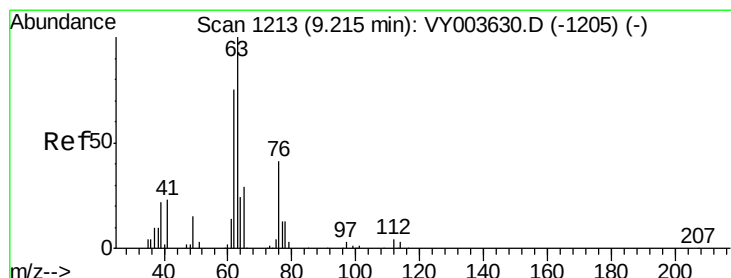
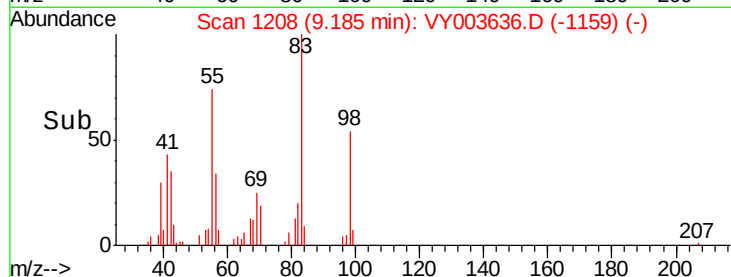
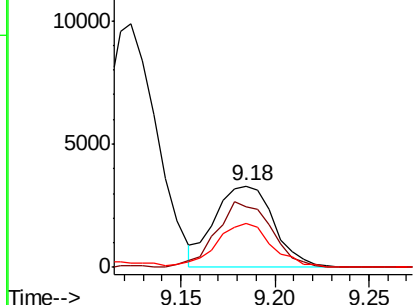
#35
Methylvlcyclohexane
Concen: 1.246 ug/L
RT: 9.18 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

Instrument :
MSVOA_Y
ClientSampleId :
MDL01

Tot Ion: 83 Resp: 7178
Ion Ratio Lower Upper
83 100
55 74.8 58.3 87.5
98 50.1 39.0 58.6

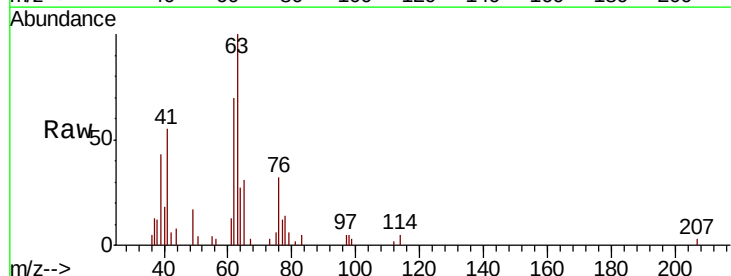


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

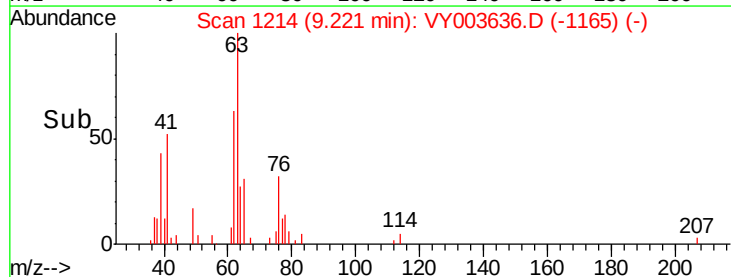
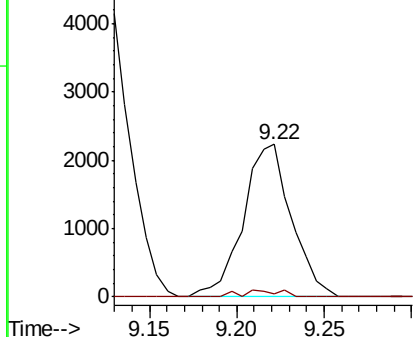


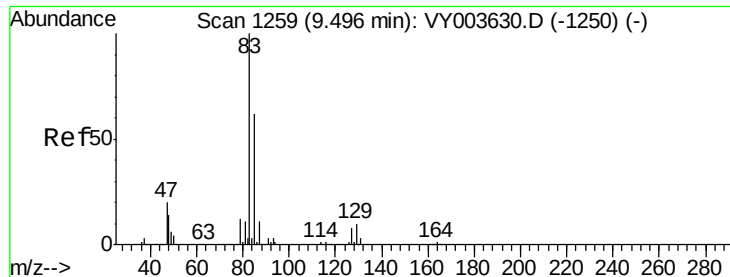
#37
1,2-Dichloropropane
Concen: 1.253 ug/L
RT: 9.22 min Scan# 1214
Delta R.T. -0.00 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

Tgt Ion: 63 Resp: 4294
Ion Ratio Lower Upper
63 100
112 0.9 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: 1.211 ug/L

RT: 9.50 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

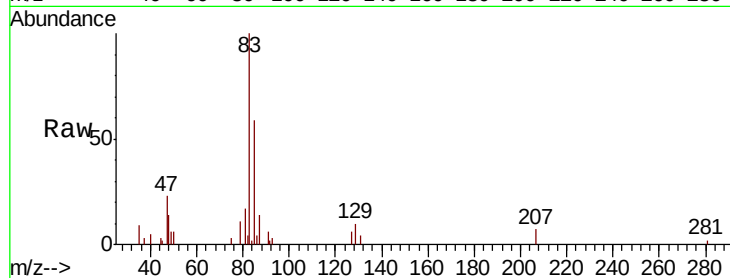
Tot Ion: 83 Resp: 5223

Ion Ratio Lower Upper

83 100

85 58.5 43.1 80.1

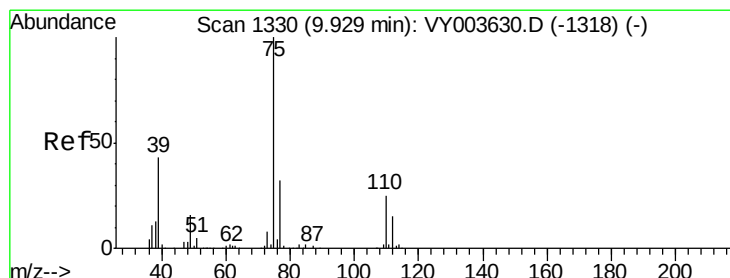
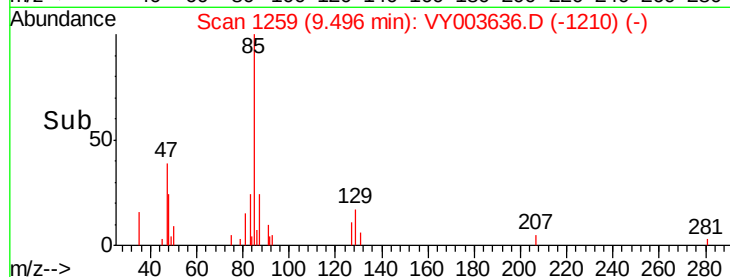
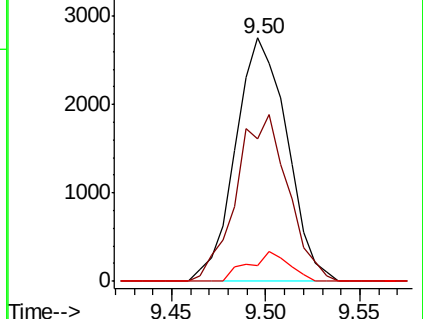
127 6.5 7.1 10.7#



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): VY0



#39

cis-1,3-Dichloropropene

Concen: 1.212 ug/L

RT: 9.93 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VY003636.D

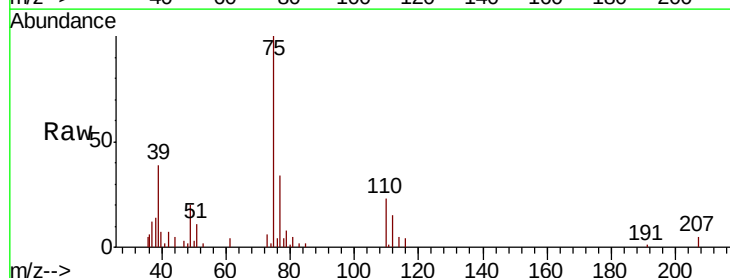
Acq: 01 Dec 2020 16:21

Tgt Ion: 75 Resp: 6416

Ion Ratio Lower Upper

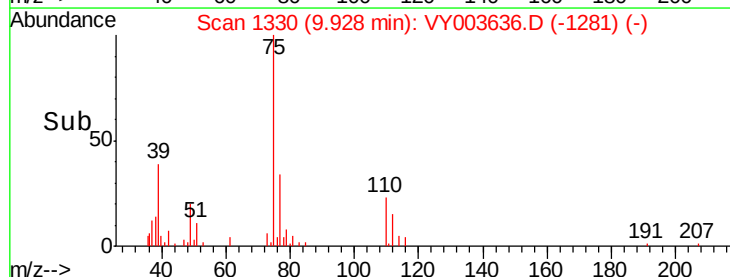
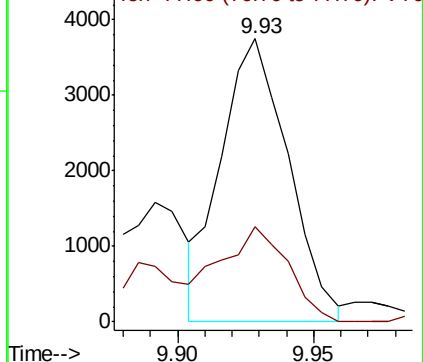
75 100

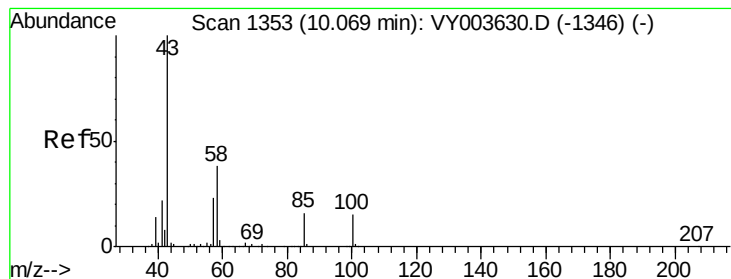
77 33.8 23.5 43.7



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0





#40

4-Methyl-2-pentanone

Concen: 2.845 ug/L

RT: 10.07 min Scan# 1353

Delta R.T. -0.00 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

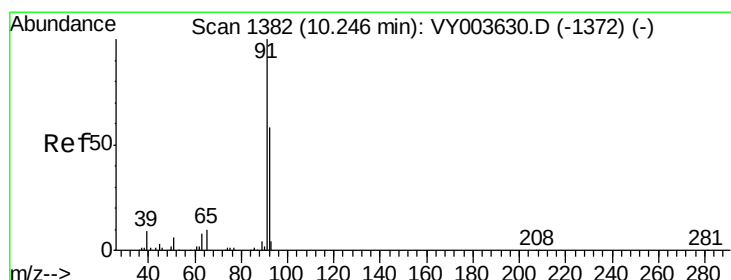
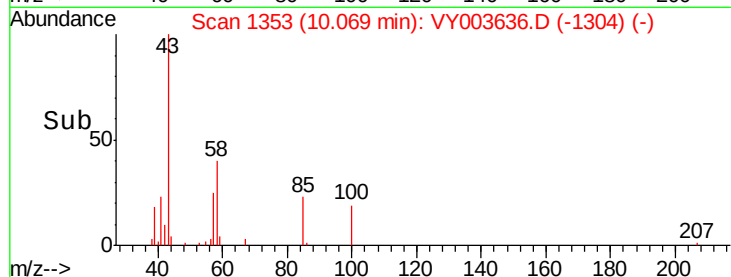
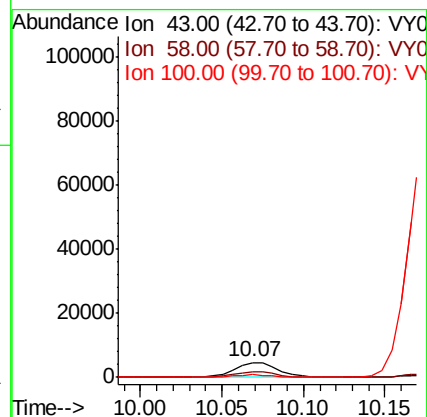
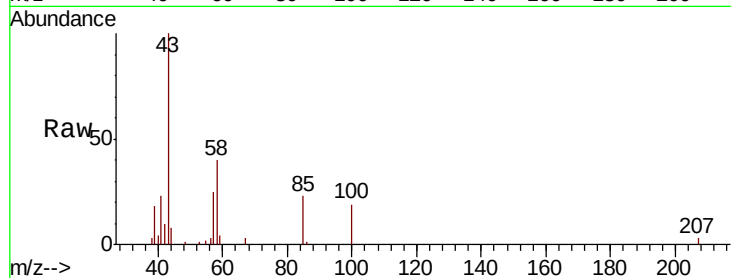
Tot Ion: 43 Resp: 8562

Ion Ratio Lower Upper

43 100

58 38.3 30.7 46.1

100 15.4 12.1 18.1



#42

Toluene

Concen: 1.275 ug/L

RT: 10.24 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VY003636.D

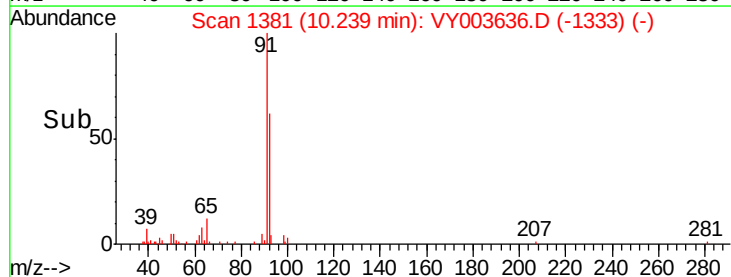
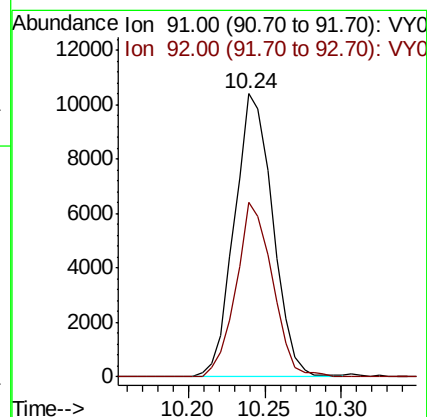
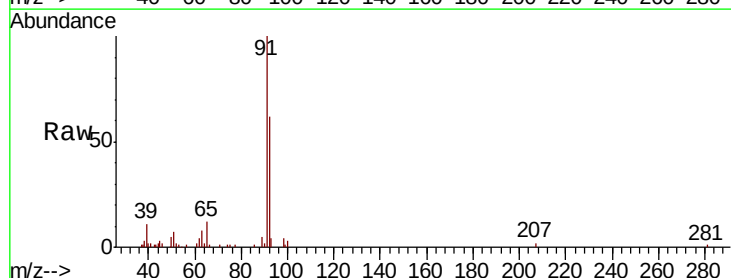
Acq: 01 Dec 2020 16:21

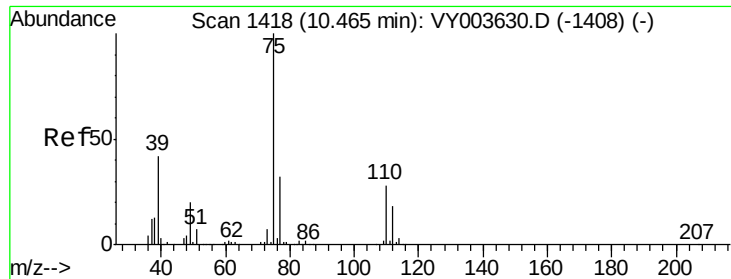
Tgt Ion: 91 Resp: 18092

Ion Ratio Lower Upper

91 100

92 61.9 40.1 74.5





#44

trans-1,3-Dichloropropene

Concen: 1.562 ug/L

RT: 10.46 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Instrument :

MSVOA_Y

ClientSampleId :

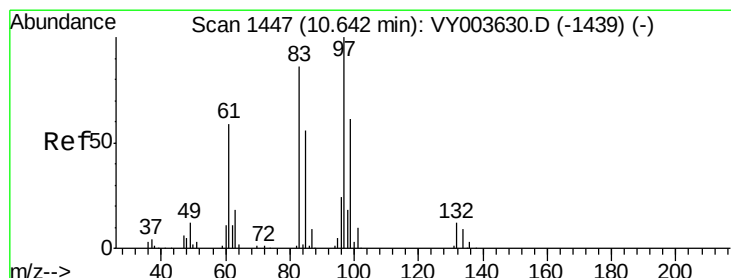
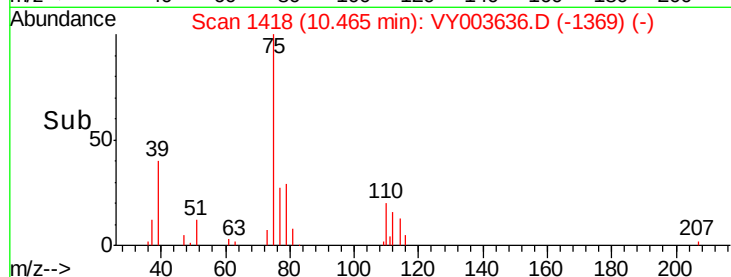
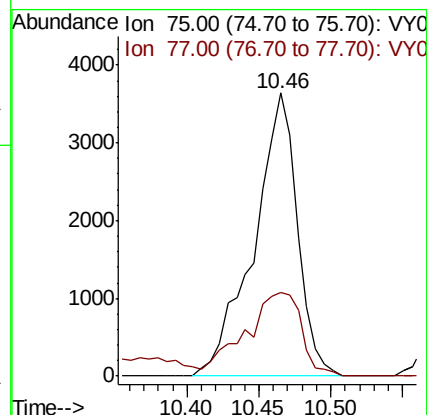
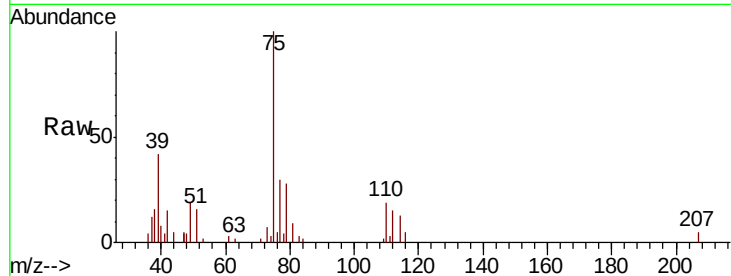
MDL01

Tot Ion: 75 Resp: 7633

Ion Ratio Lower Upper

75 100

77 29.8 22.9 42.5



#45

1,1,2-Trichloroethane

Concen: 1.237 ug/L

RT: 10.64 min Scan# 1447

Delta R.T. -0.00 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Tgt Ion: 97 Resp: 3561

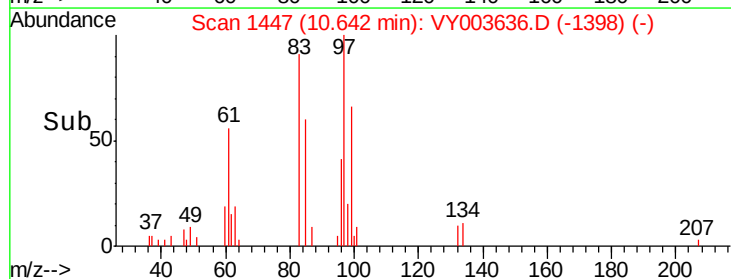
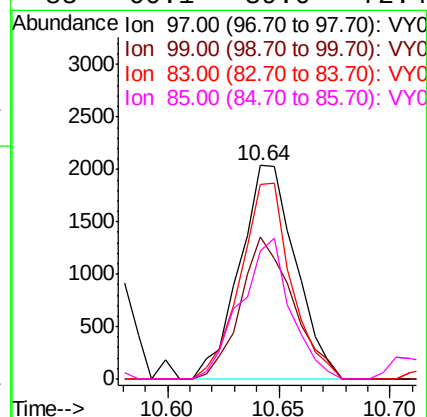
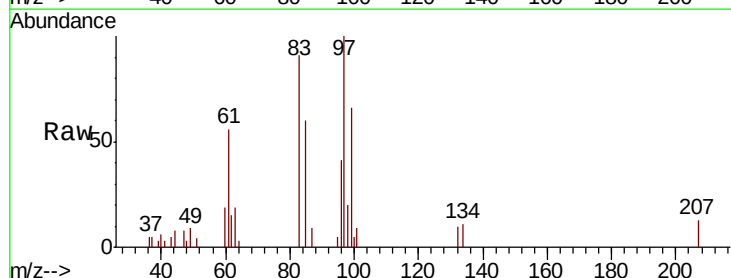
Ion Ratio Lower Upper

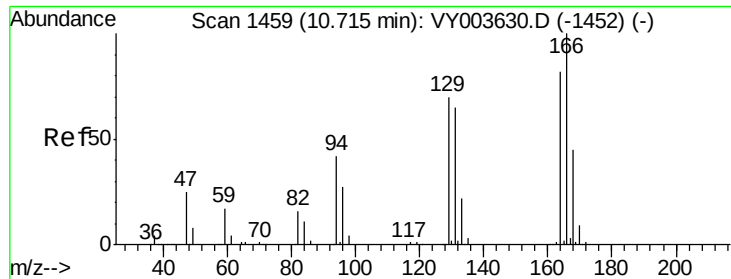
97 100

99 66.3 45.1 83.9

83 91.0 59.7 110.9

85 60.1 39.0 72.4





#46

Tetrachloroethene

Concen: 1.333 ug/L

RT: 10.72 min Scan# 1460

Delta R.T. 0.01 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

Tot Ion:164 Resp: 3844

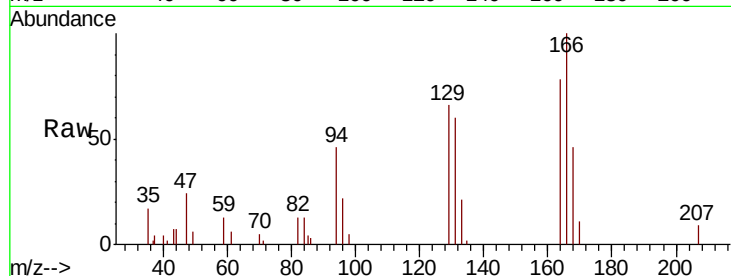
Ion Ratio Lower Upper

164 100

129 84.9 58.9 109.5

131 76.9 59.0 109.6

166 129.0 87.8 163.0



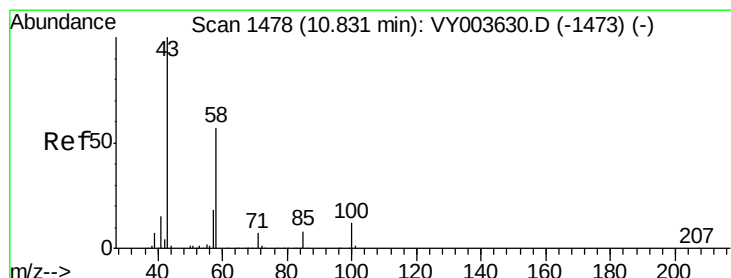
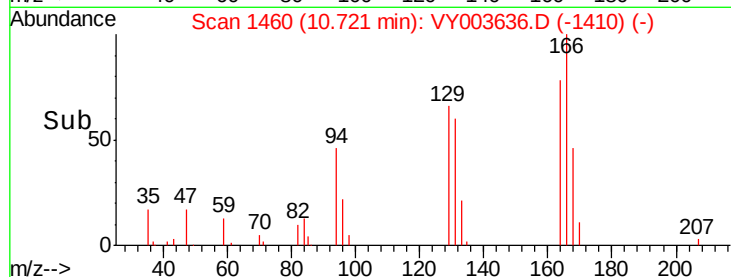
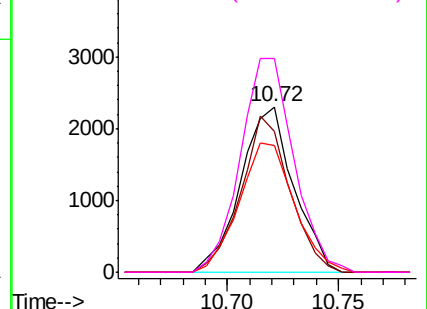
Abundance

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: 2.599 ug/L

RT: 10.83 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Tgt Ion: 43 Resp: 5709

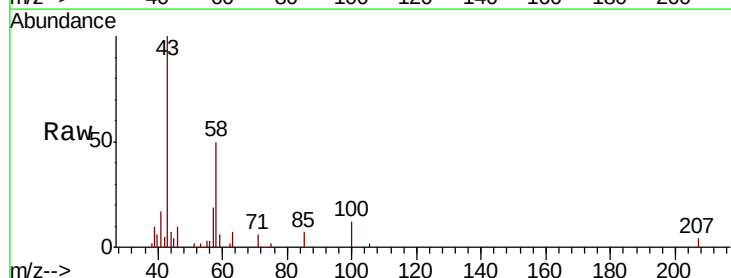
Ion Ratio Lower Upper

43 100

58 51.6 43.0 64.6

57 15.8 14.6 21.8

100 12.3 9.7 14.5



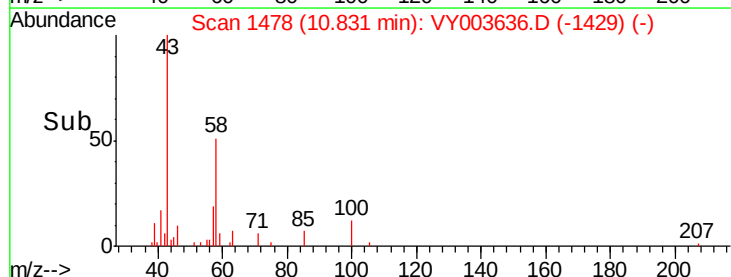
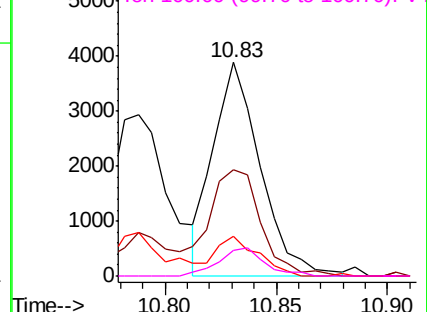
Abundance

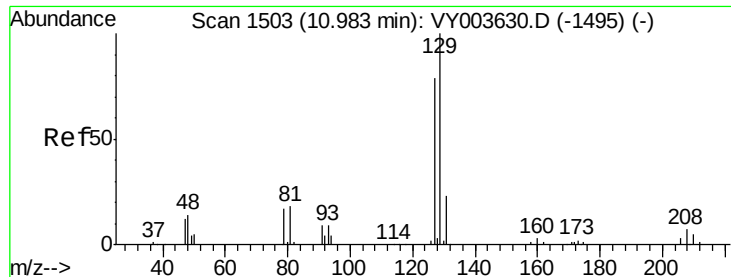
Ion 43.00 (42.70 to 43.70): VY0

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: 1.349 ug/L

RT: 10.98 min Scan# 1503

Delta R.T. -0.00 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Instrument :

MSVOA_Y

ClientSampled :

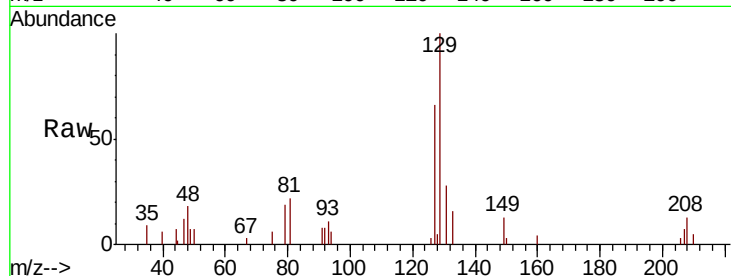
MDL01

Tot Ion:129 Resp: 4488

Ion Ratio Lower Upper

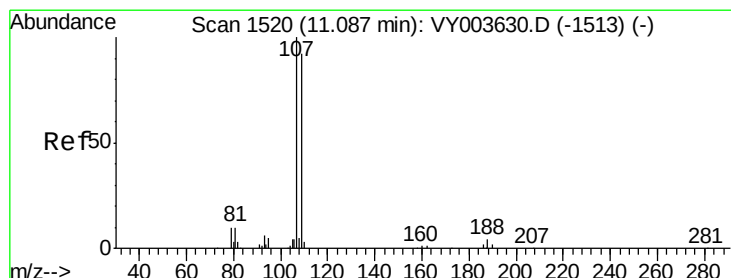
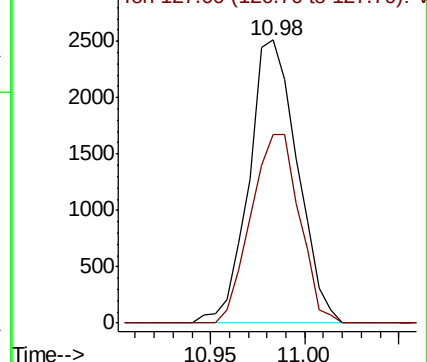
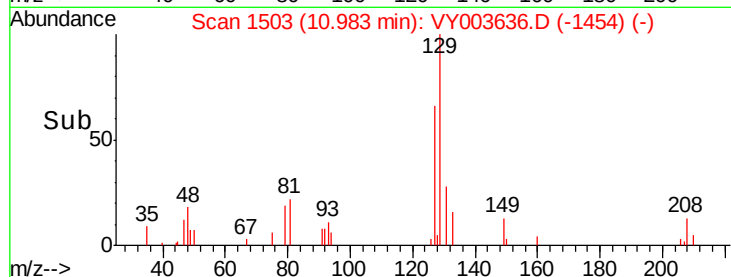
129 100

127 66.5 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: 1.263 ug/L

RT: 11.09 min Scan# 1520

Delta R.T. -0.00 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

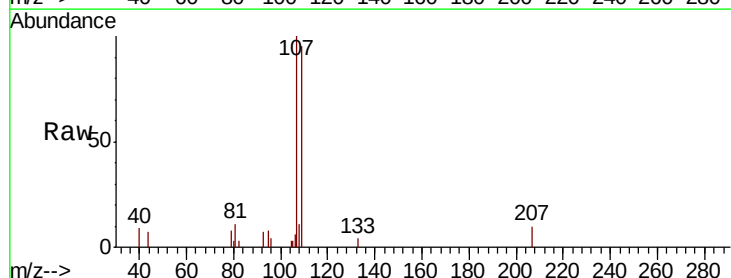
Tgt Ion:107 Resp: 3515

Ion Ratio Lower Upper

107 100

109 95.4 65.5 121.7

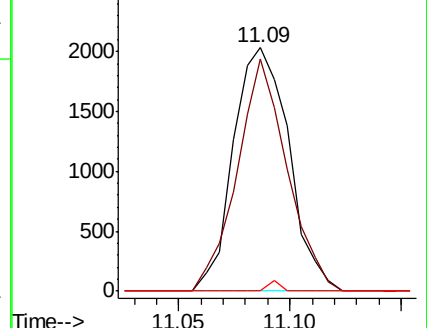
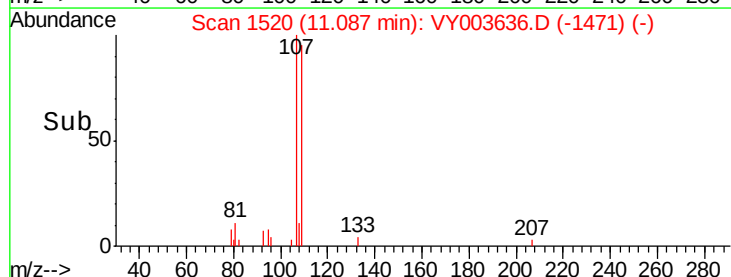
188 0.0 3.8 5.8#

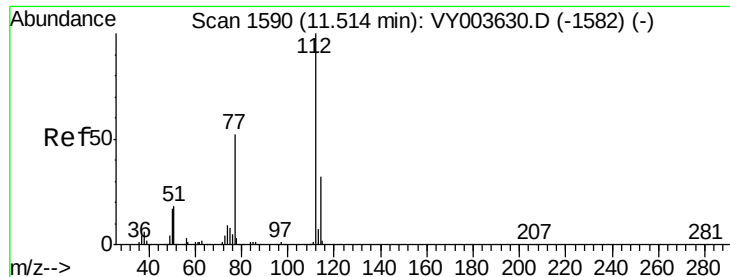


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 1.372 ug/L

RT: 11.51 min Scan# 1590

Delta R.T. -0.00 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

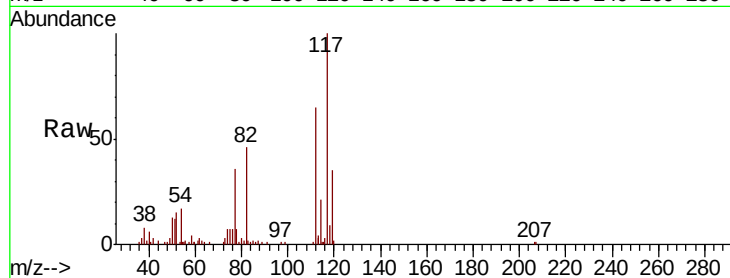
Tot Ion:112 Resp: 12538

Ion Ratio Lower Upper

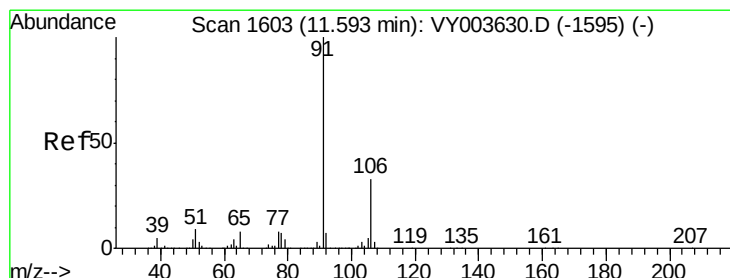
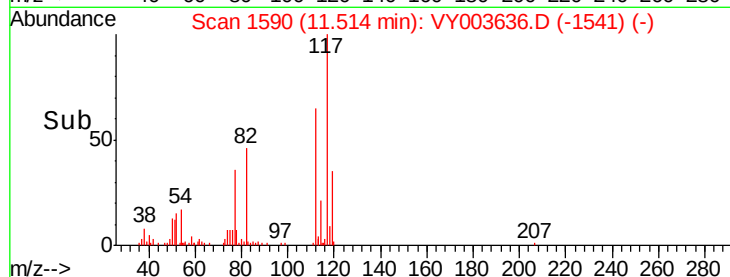
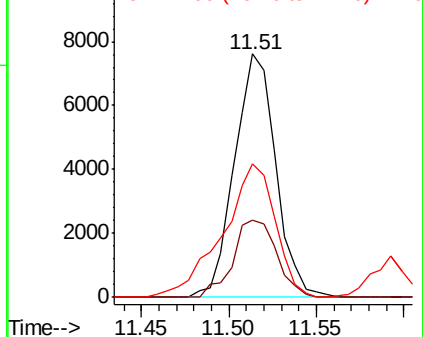
112 100

114 31.7 22.2 41.2

77 55.1 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: 1.259 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VY003636.D

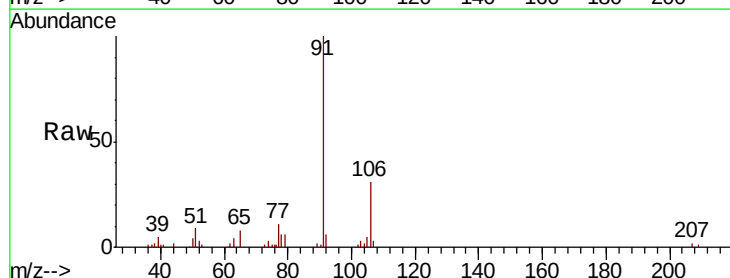
Acq: 01 Dec 2020 16:21

Tgt Ion: 91 Resp: 19112

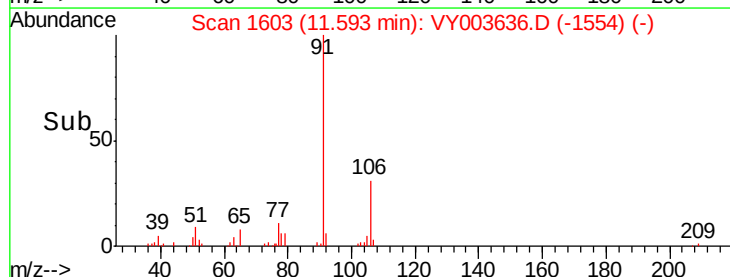
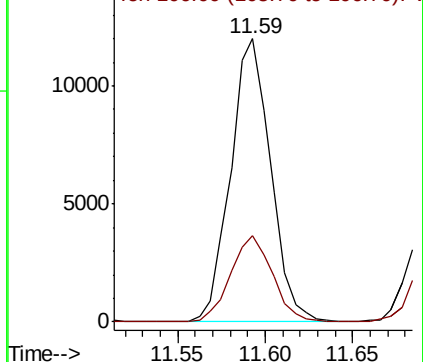
Ion Ratio Lower Upper

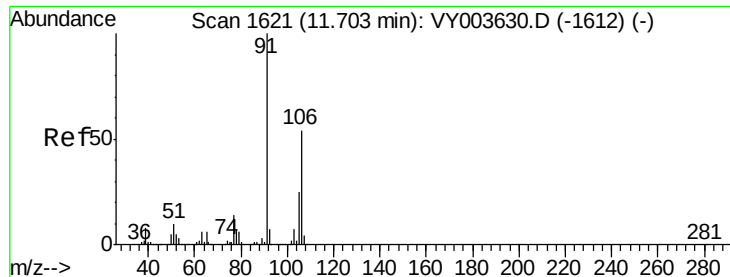
91 100

106 30.7 22.8 42.4



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 1.282 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.01 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Instrument :

MSVOA_Y

ClientSampled :

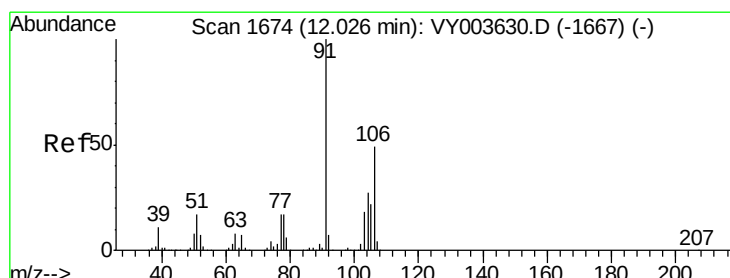
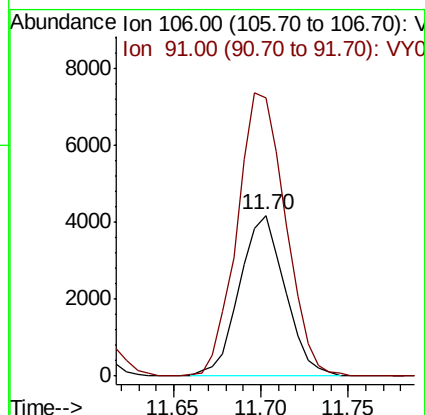
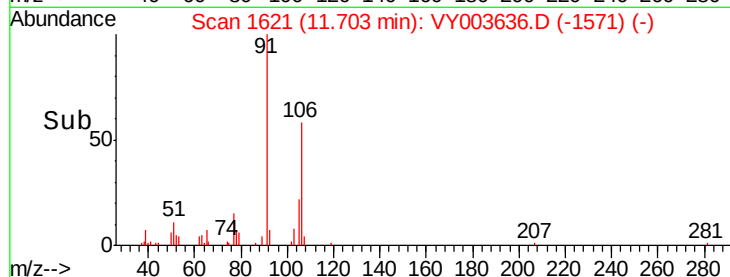
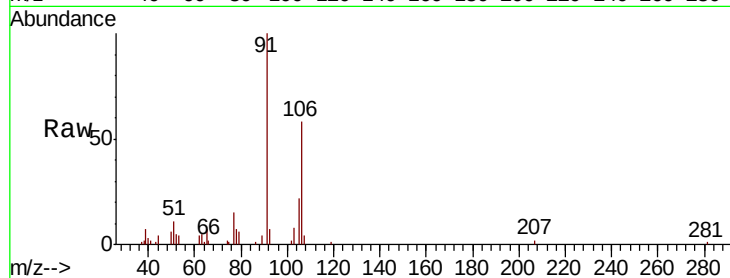
MDL01

Tot Ion:106 Resp: 7610

Ion Ratio Lower Upper

106 100

91 172.4 133.1 247.3



#54

o-Xylene

Concen: 1.213 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VY003636.D

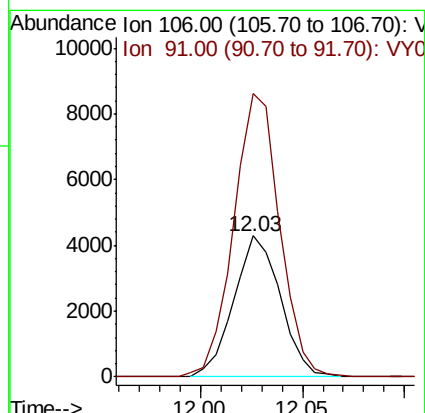
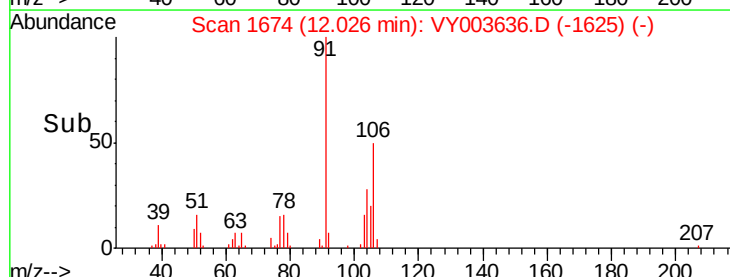
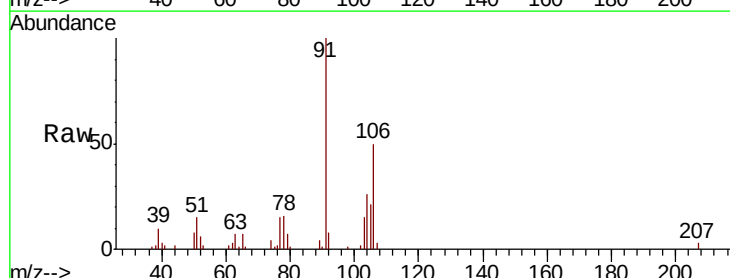
Acq: 01 Dec 2020 16:21

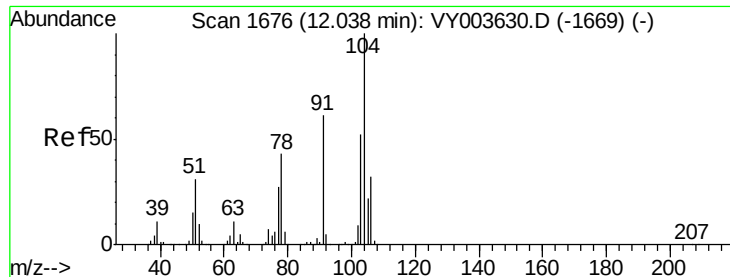
Tgt Ion:106 Resp: 6803

Ion Ratio Lower Upper

106 100

91 200.7 144.1 267.5





#55

Stvrene

Concen: 1.118 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Instrument :

MSVOA_Y

ClientSampleId :

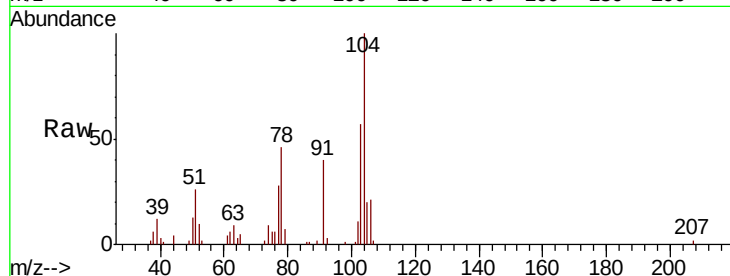
MDL01

Tot Ion:104 Resp: 10723

Ion Ratio Lower Upper

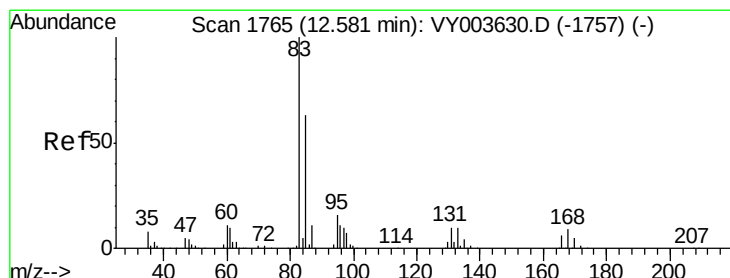
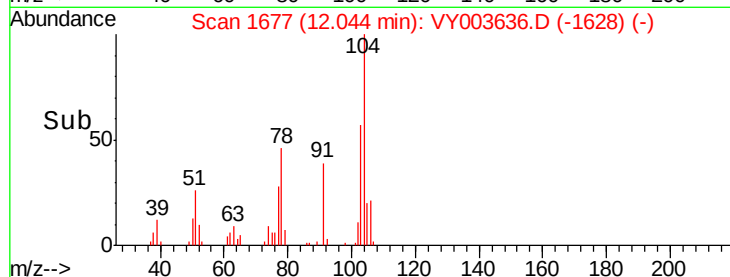
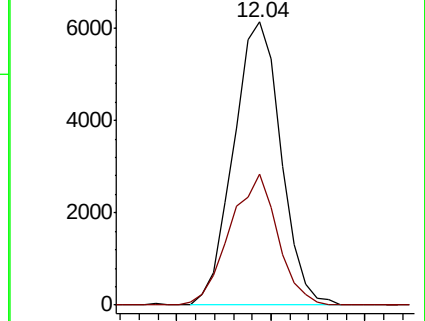
104 100

78 46.5 27.6 51.4



Abundance Ion 104.00 (103.70 to 104.70): VY003636.D (-1673) (-)

Ion 78.00 (77.70 to 78.70): VY003636.D (-1673) (-)



#57

1,1,2,2-Tetrachloroethane

Concen: 1.365 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. -0.00 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

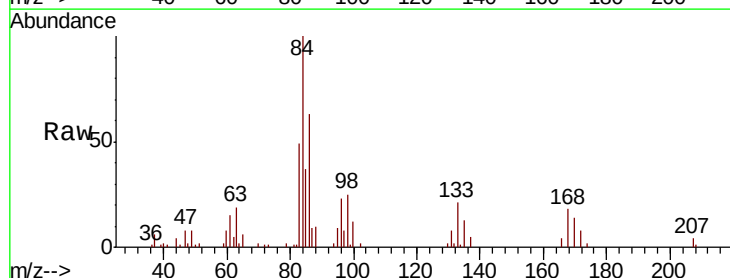
Tgt Ion: 83 Resp: 5205

Ion Ratio Lower Upper

83 100

85 74.5 46.1 85.7

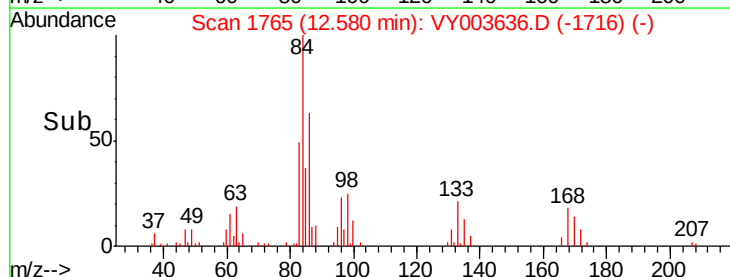
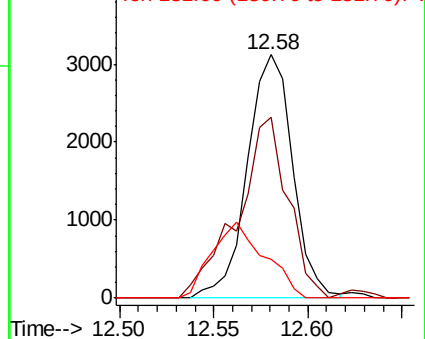
131 15.7 8.1 12.1#

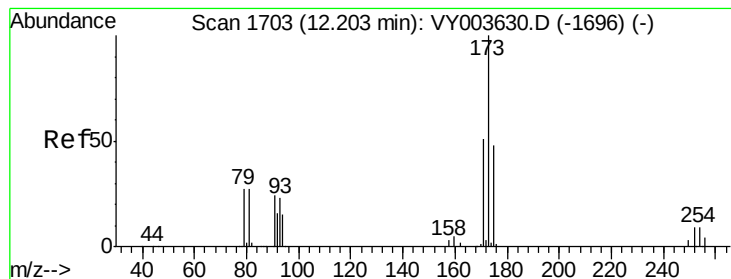


Abundance Ion 83.00 (82.70 to 83.70): VY003636.D (-1763) (-)

Ion 85.00 (84.70 to 85.70): VY003636.D (-1763) (-)

Ion 131.00 (130.70 to 131.70): VY003636.D (-1763) (-)





#59

Bromoform

Concen: 1.258 ug/L

RT: 12.21 min Scan# 1704

Delta R.T. 0.01 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

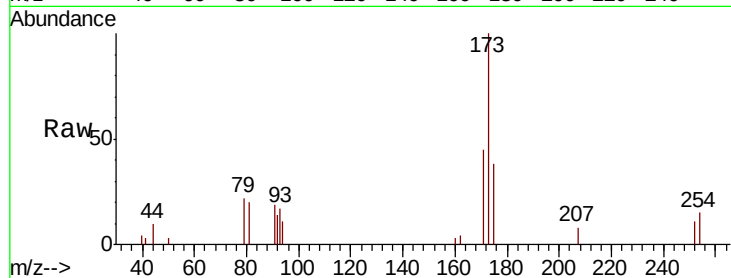
Tot Ion:173 Resp: 2697

Ion Ratio Lower Upper

173 100

175 46.6 38.2 57.4

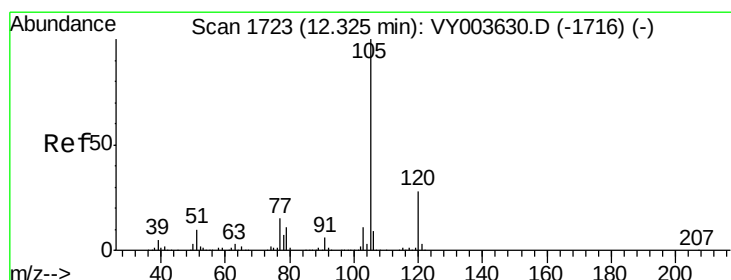
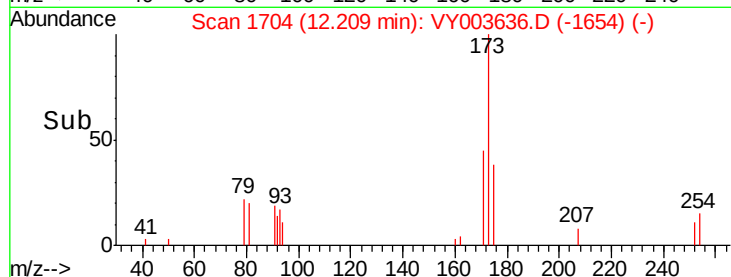
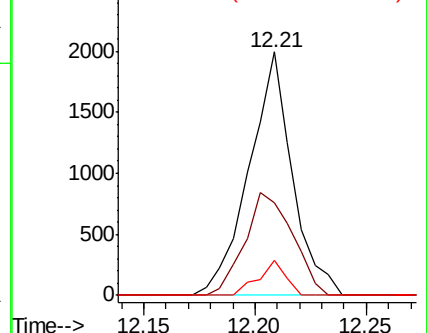
254 8.9 8.0 12.0



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: 1.208 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. -0.00 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

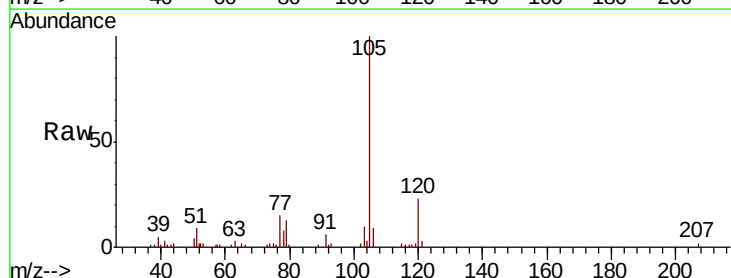
Tgt Ion:105 Resp: 16864

Ion Ratio Lower Upper

105 100

120 27.1 22.0 33.0

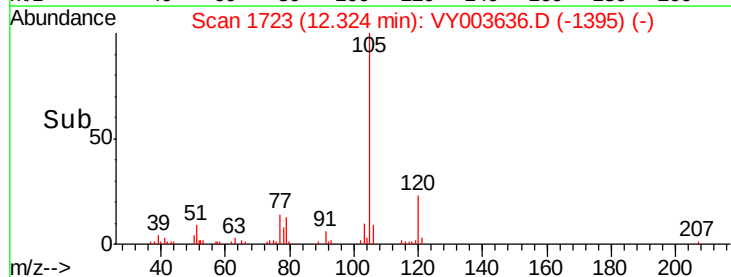
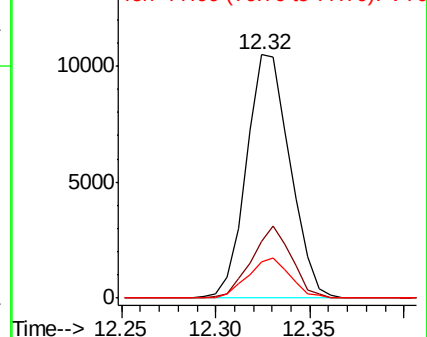
77 15.9 12.1 18.1

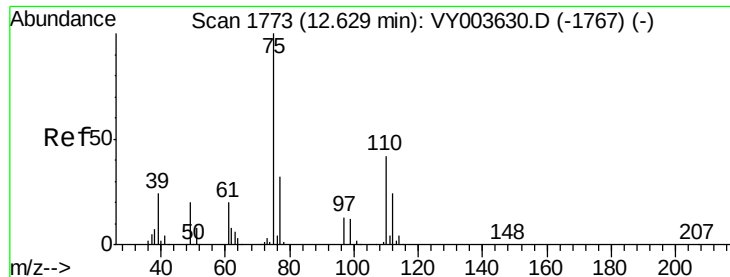


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VY0

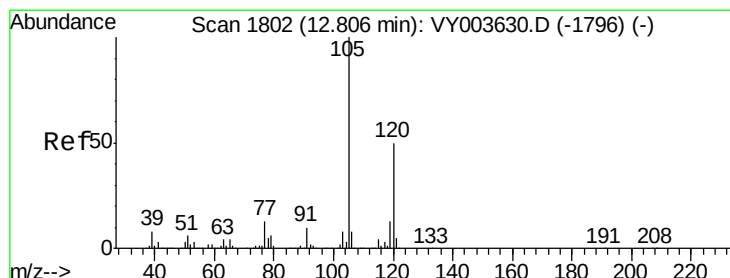
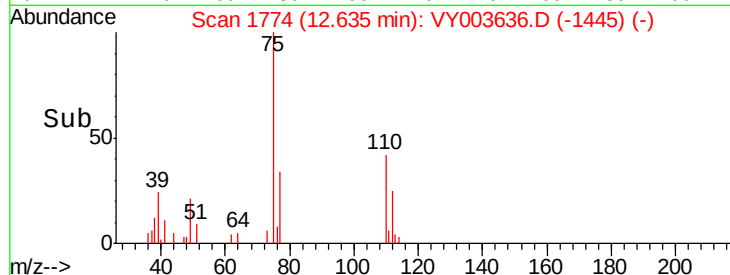
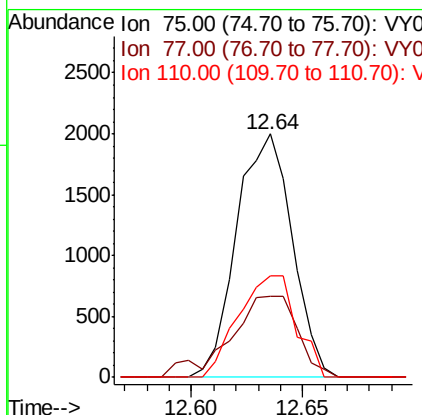
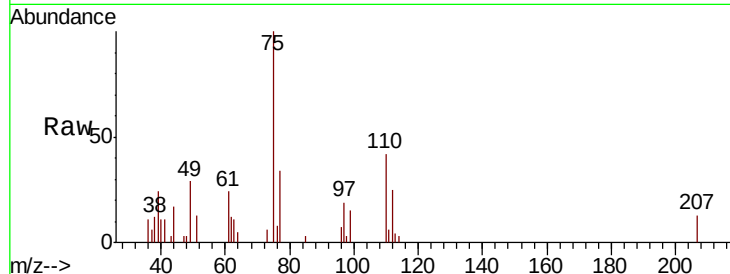




#61
 1,2,3-Trichloropropane
 Concen: 1.328 ug/L
 RT: 12.64 min Scan# 1774
 Delta R.T. 0.01 min
 Lab File: VY003636.D
 Acq: 01 Dec 2020 16:21

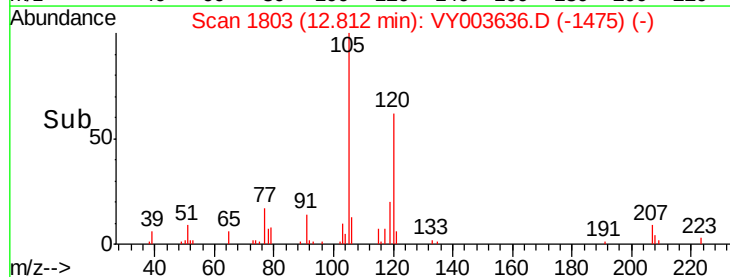
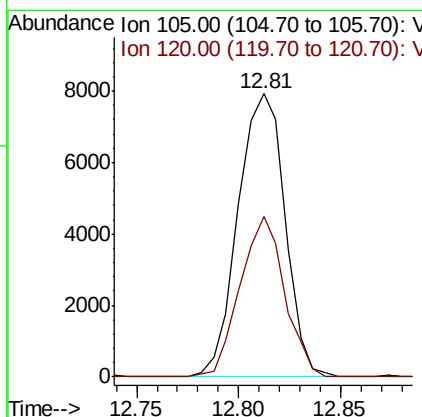
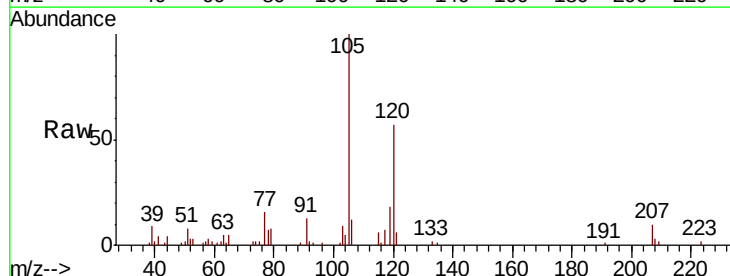
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

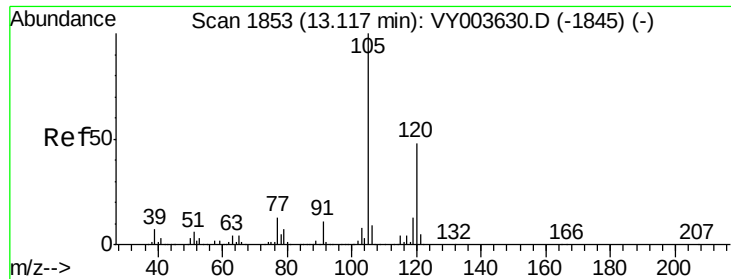
Tot Ion: 75 Resp: 3469
 Ion Ratio Lower Upper
 75 100
 77 37.3 26.3 39.5
 110 43.4 33.0 49.4



#62
 1,3,5-Trimethylbenzene
 Concen: 1.144 ug/L
 RT: 12.81 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VY003636.D
 Acq: 01 Dec 2020 16:21

Tgt Ion: 105 Resp: 12669
 Ion Ratio Lower Upper
 105 100
 120 53.4 40.4 60.6

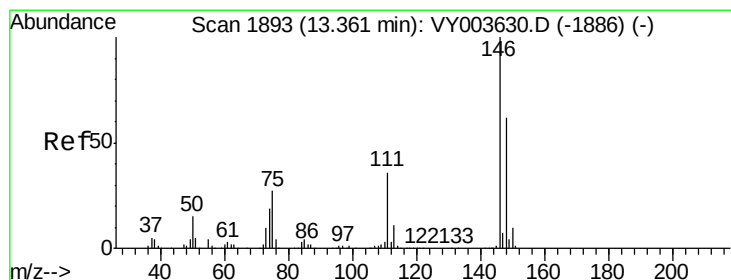
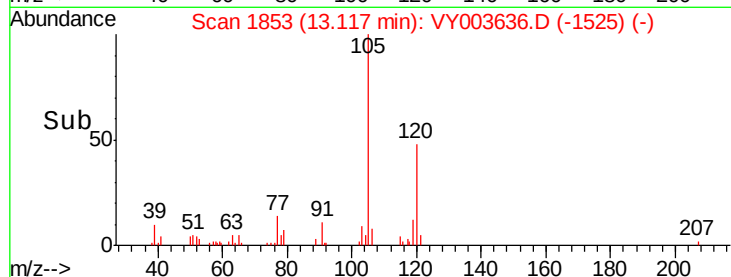
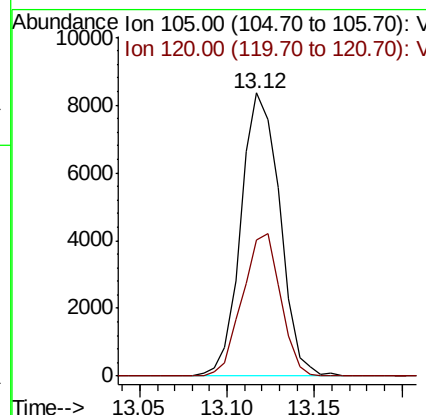
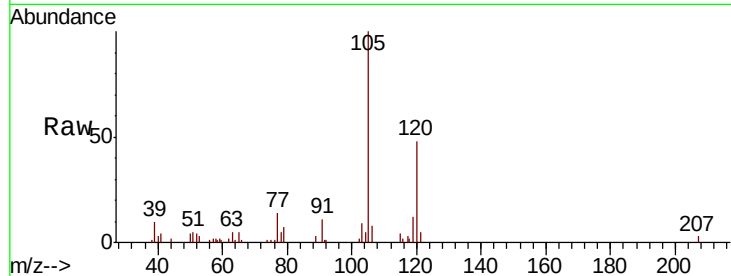




#63
 1,2,4-Trimethylbenzene
 Concen: 1.181 ug/L
 RT: 13.12 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VY003636.D
 Acq: 01 Dec 2020 16:21

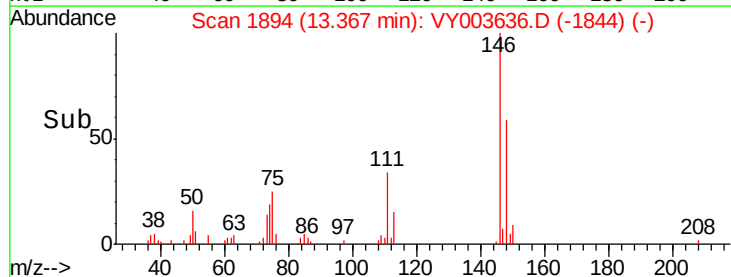
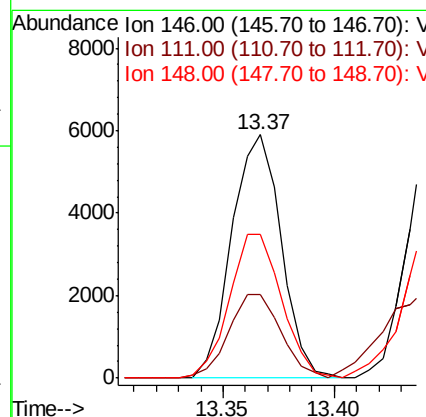
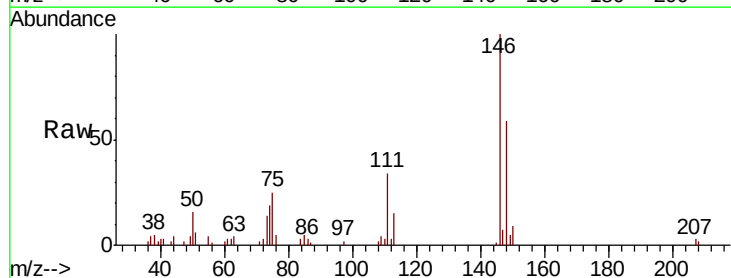
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

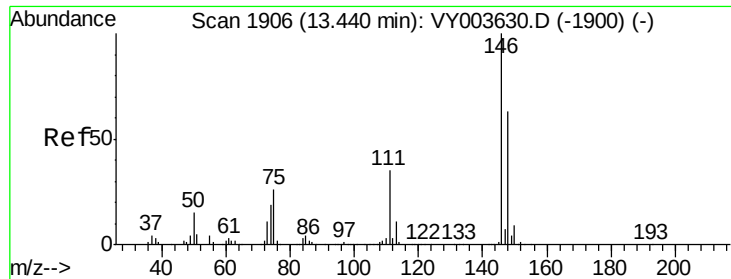
Tot Ion:105 Resp: 12915
 Ion Ratio Lower Upper
 105 100
 120 49.3 38.0 57.0



#64
 1,3-Dichlorobenzene
 Concen: 1.351 ug/L
 RT: 13.37 min Scan# 1894
 Delta R.T. 0.01 min
 Lab File: VY003636.D
 Acq: 01 Dec 2020 16:21

Tgt Ion:146 Resp: 9129
 Ion Ratio Lower Upper
 146 100
 111 34.2 26.6 49.4
 148 58.8 46.3 86.1





#65

1,4-Dichlorobenzene

Concen: 1.376 ug/L

RT: 13.45 min Scan# 1907

Delta R.T. 0.01 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

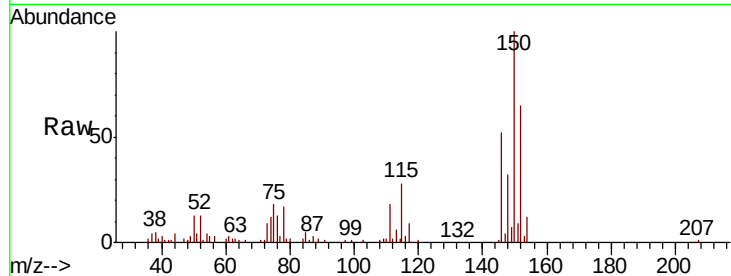
Tot Ion:146 Resp: 9443

Ion Ratio Lower Upper

146 100

111 33.9 24.7 45.9

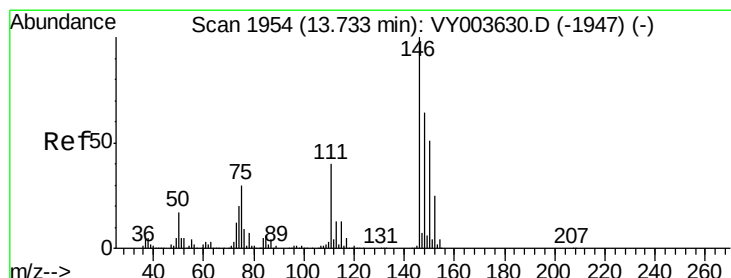
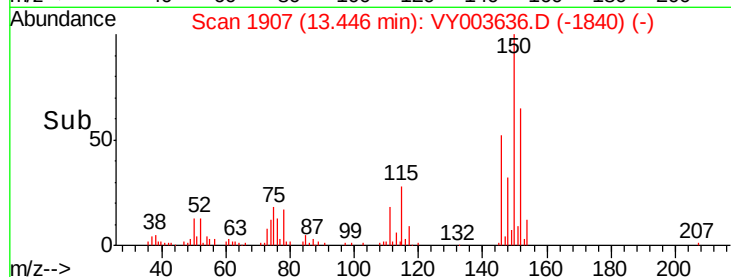
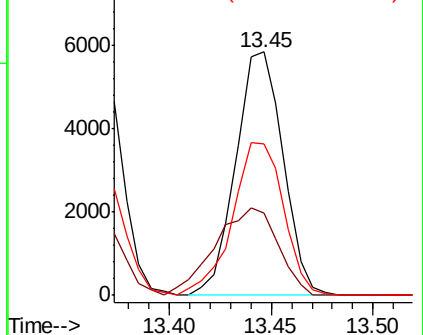
148 62.0 43.4 80.6



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: 1.289 ug/L

RT: 13.74 min Scan# 1955

Delta R.T. 0.01 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

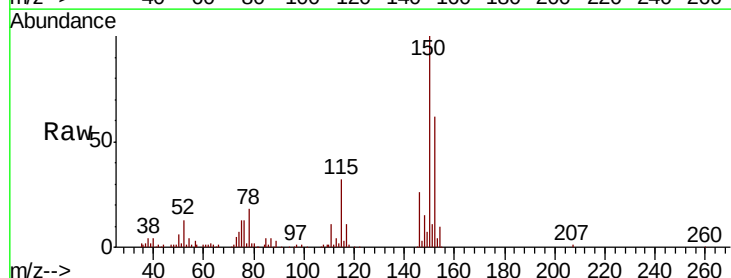
Tgt Ion:146 Resp: 8178

Ion Ratio Lower Upper

146 100

111 43.0 31.0 46.6

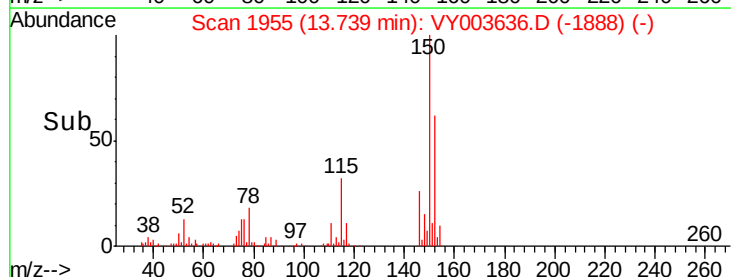
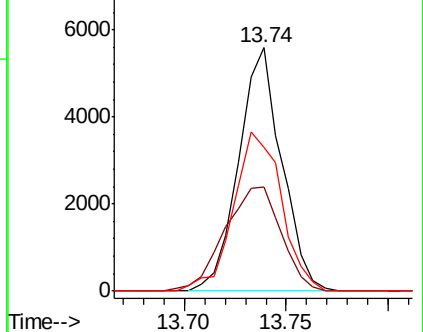
148 59.1 51.0 76.4

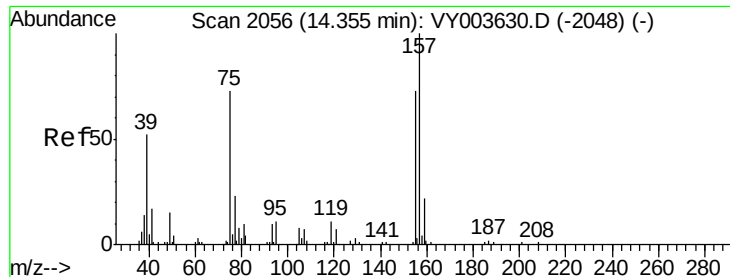


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#68

1,2-Dibromo-3-chloropropane

Concen: 1.742 ug/L

RT: 14.49 min Scan# 2079

Delta R.T. 0.14 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

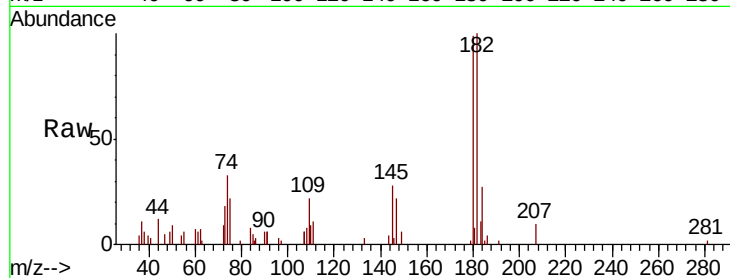
Tot Ion: 75 Resp: 1056

Ion Ratio Lower Upper

75 100

155 0.0 73.4 110.0#

157 0.0 98.1 147.1#

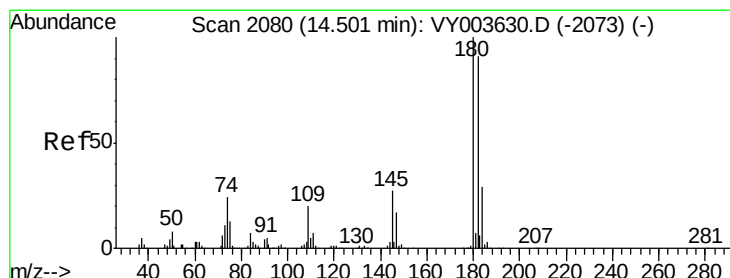
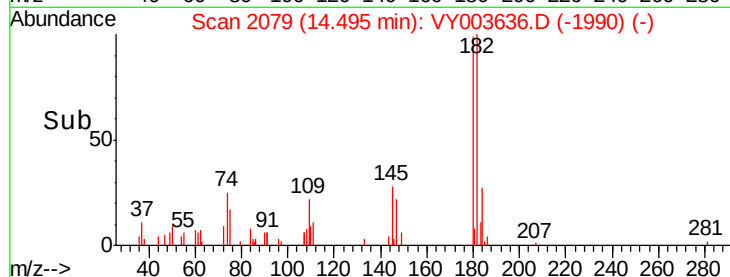
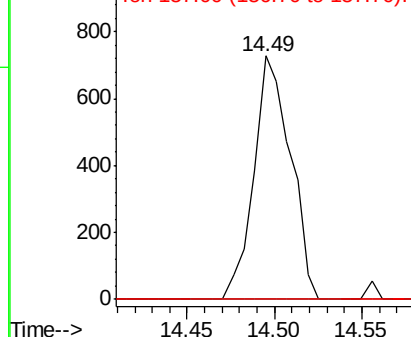


Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



#69

1,3,5-Trichlorobenzene

Concen: 1.275 ug/L

RT: 14.50 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Tgt Ion: 180 Resp: 6051

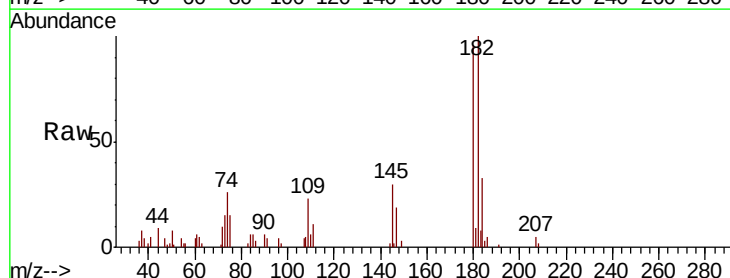
Ion Ratio Lower Upper

180 100

182 106.4 75.4 113.0

184 32.5 24.1 36.1

145 29.5 22.4 33.6



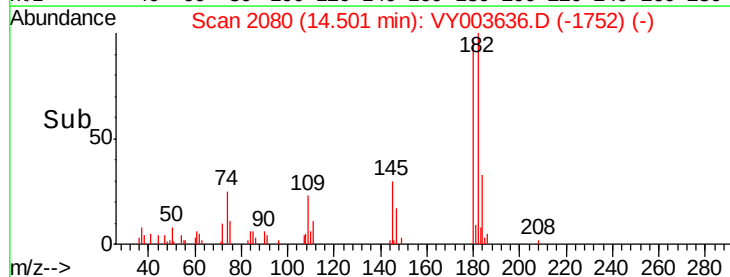
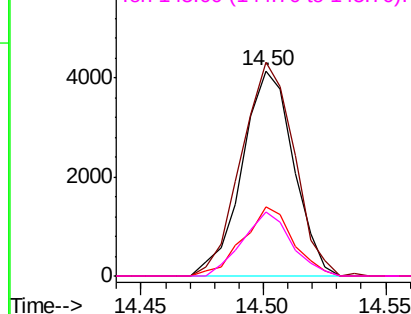
Abundance

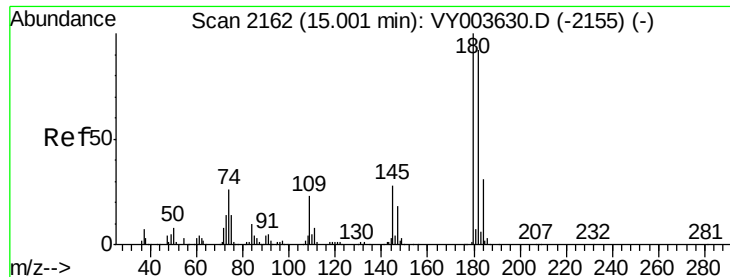
Ion 180.00 (179.70 to 180.70): V

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

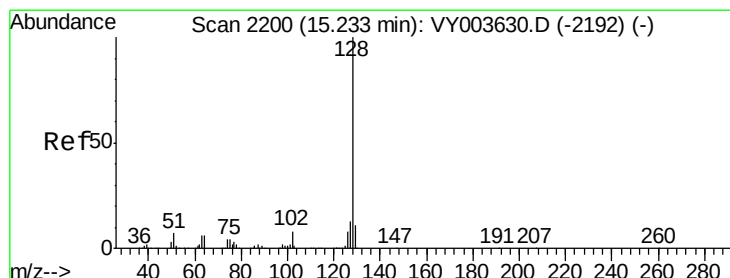
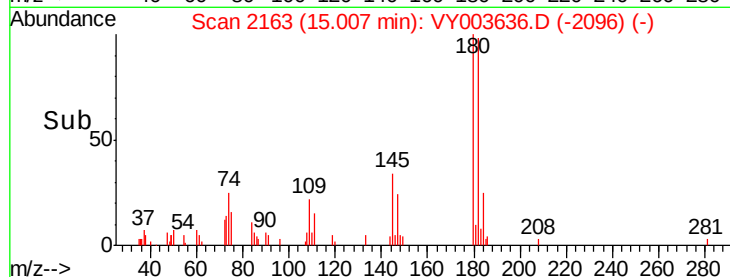
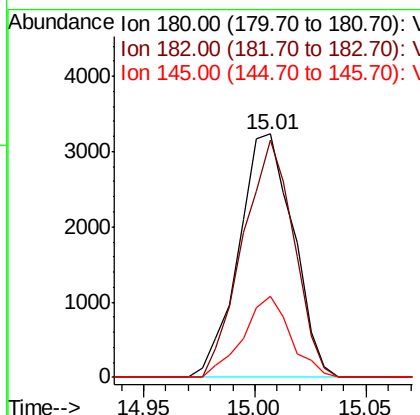
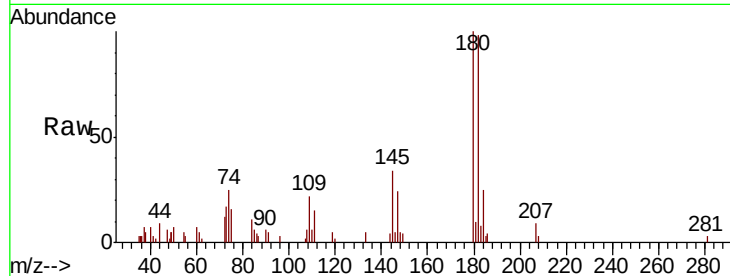




#70
1,2,4-trichlorobenzene
Concen: 1.367 ug/L
RT: 15.01 min Scan# 2163
Delta R.T. 0.01 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

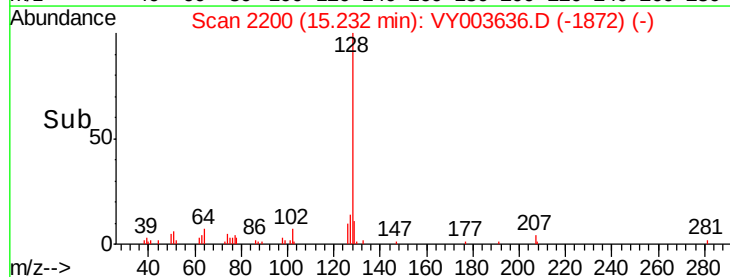
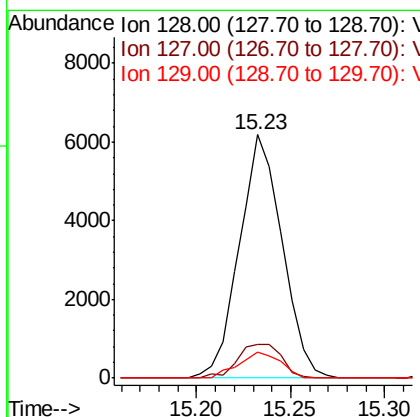
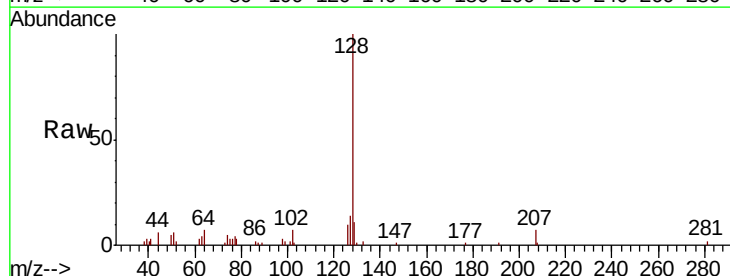
Instrument :
MSVOA_Y
ClientSampleId :
MDL01

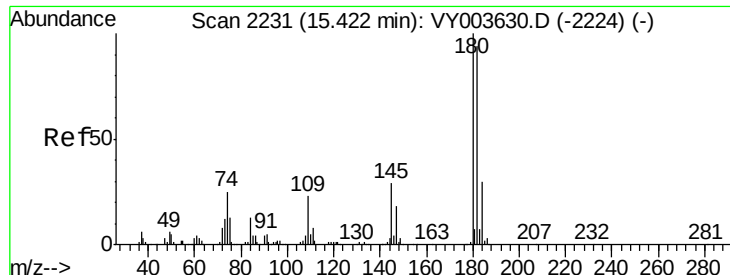
Tot Ion:180 Resp: 5527
Ion Ratio Lower Upper
180 100
182 91.1 76.1 114.1
145 29.1 22.8 34.2



#71
Naphthalene
Concen: 1.107 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

Tgt Ion:128 Resp: 9766
Ion Ratio Lower Upper
128 100
127 14.3 10.4 15.6
129 10.3 8.5 12.7





#72
 1,2,3-Trichlorobenzene
 Concen: 1.378 ug/L
 RT: 15.42 min Scan# 2231
 Delta R.T. -0.00 min
 Lab File: VY003636.D
 Acq: 01 Dec 2020 16:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.3	76.2	114.4
145	32.8	23.6	35.4

