

Data File : VY000664.D
Acq On : 13 Nov 2019 11:55
Operator : SY/MD
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MDL01

Quant Time: Nov 13 13:32:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 13:29:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	349669	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	318779	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	147401	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	121480	24.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.40%
7) Chloroethane-d5	2.77	69	110116	25.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.40%
10) 1,1-Dichloroethene-d2	3.86	63	169253	18.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.24%
20) 2-Butanone-d5	6.90	46	93207	45.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.48%
24) Chloroform-d	7.49	84	217704	23.73	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.92%
26) 1,2-Dichloroethane-d4	8.15	65	129828	24.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.60%
29) Benzene-d6	8.12	84	468594	25.31	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.24%
33) 1,2-Dichloropropane-d6	9.13	67	144640	24.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.72%
37) Toluene-d8	10.18	98	423049	24.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.84%
38) trans-1,3-Dichloropropene-	10.44	79	65917	24.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.40%
39) 2-Hexanone-d5	10.79	63	70496	44.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.92%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	125724	22.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.12%
61) 1,2-Dichlorobenzene-d4	13.72	152	150245	25.49	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.96%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	3063	0.663 ug/L	92
3) Chloromethane	2.12	50	3789	0.654 ug/L #	58
5) Vinyl chloride	2.26	62	3561	0.616 ug/L #	48
8) Chloroethane	2.80	64	2000	0.552 ug/L	83
9) Trichlorofluoromethane	3.13	101	5852	0.715 ug/L	95
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	1860	0.400 ug/L #	77
14) Carbon disulfide	4.21	76	8195	0.586 ug/L #	82
16) Methylene chloride	4.72	84	12883	2.232 ug/L	91
18) trans-1,2-Dichloroethene	5.23	96	3003	0.593 ug/L #	85
19) 1,1-Dichloroethane	6.04	63	4564	0.512 ug/L #	82
22) cis-1,2-Dichloroethene	6.99	96	2900	0.518 ug/L #	63
23) Bromochloromethane	7.35	128	1620	0.663 ug/L #	69
25) Chloroform	7.52	83	11767	1.225 ug/L	77
27) 1,2-Dichloroethane	8.24	62	3869	0.603 ug/L #	93
30) Cyclohexane	7.80	56	4896	0.563 ug/L #	80
31) 1,1,1-Trichloroethane	7.71	97	4045	0.515 ug/L #	93
32) Carbon tetrachloride	7.91	117	3851	0.563 ug/L #	62

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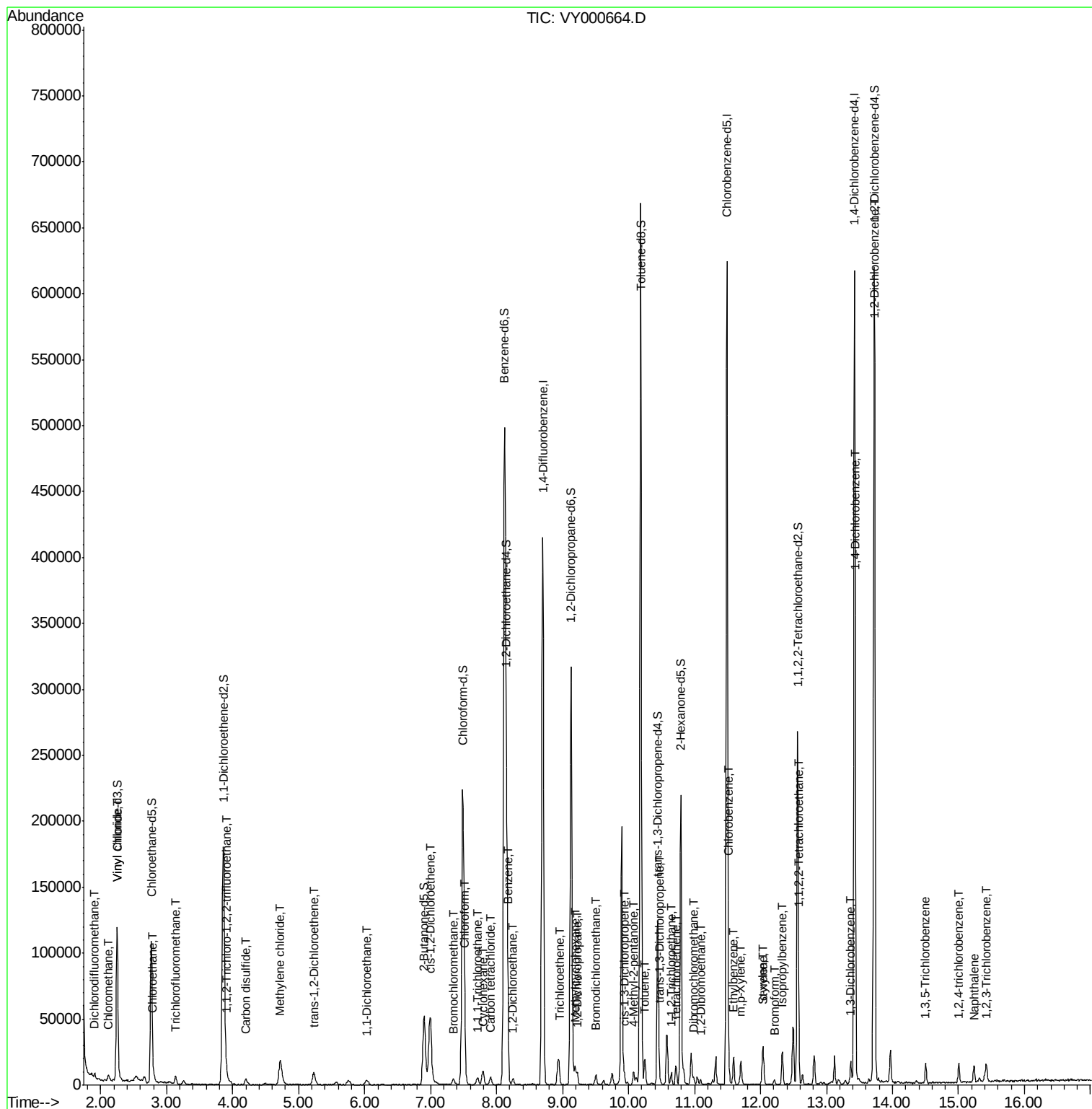
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Benzene	8.18	78	12253	0.588	ug/L	100
35) Trichloroethene	8.96	95	3059	0.560	ug/L	85
36) Methylcyclohexane	9.18	83	5124	0.548	ug/L #	27
40) 1,2-Dichloropropane	9.22	63	2796	0.529	ug/L	98
41) Bromodichloromethane	9.50	83	4152	0.611	ug/L #	81
42) cis-1,3-Dichloropropene	9.94	75	3916	0.460	ug/L	85
43) 4-Methyl-2-pentanone	10.07	43	7306	1.446	ug/L #	94
44) Toluene	10.25	91	12941	0.574	ug/L	95
45) trans-1,3-Dichloropropene	10.47	75	4627	0.633	ug/L #	80
46) 1,1,2-Trichloroethane	10.65	97	2402	0.554	ug/L #	80
47) Tetrachloroethene	10.72	164	2350	0.576	ug/L #	77
50) Dibromochloromethane	10.99	129	2563	0.524	ug/L	78
51) 1,2-Dibromoethane	11.10	107	2219	0.526	ug/L #	89
52) Chlorobenzene	11.52	112	8544	0.598	ug/L	92
53) Ethylbenzene	11.60	91	14228	0.558	ug/L	88
54) m,p-Xylene	11.70	106	5969	0.619	ug/L	96
55) o-xylene	12.03	106	5143	0.543	ug/L	98
56) Styrene	12.05	104	7261	0.462	ug/L	98
57) Isopropylbenzene	12.33	105	14324	0.581	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	3725	0.689	ug/L #	90
62) Bromoform	12.20	173	1428	0.510	ug/L #	98
63) 1,3-Dichlorobenzene	13.37	146	6597	0.627	ug/L	92
64) 1,4-Dichlorobenzene	13.44	146	6475	0.616	ug/L	96
65) 1,2-Dichlorobenzene	13.74	146	6166	0.633	ug/L	92
67) 1,3,5-Trichlorobenzene	14.50	180	4127	0.563	ug/L	93
68) 1,2,4-trichlorobenzene	15.01	180	4010	0.612	ug/L	92
69) Naphthalene	15.23	128	9108	0.558	ug/L #	94
70) 1,2,3-Trichlorobenzene	15.42	180	3390	0.557	ug/L #	83

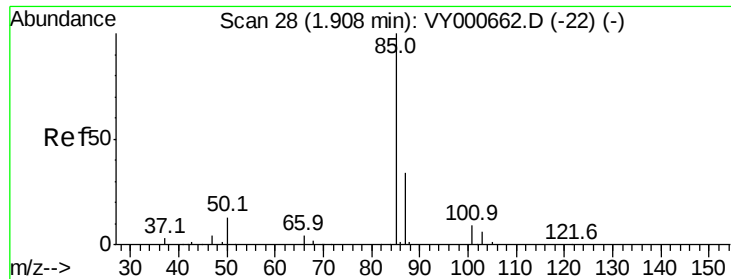
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.663 ug/L

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000664.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_Y

ClientSampleId :

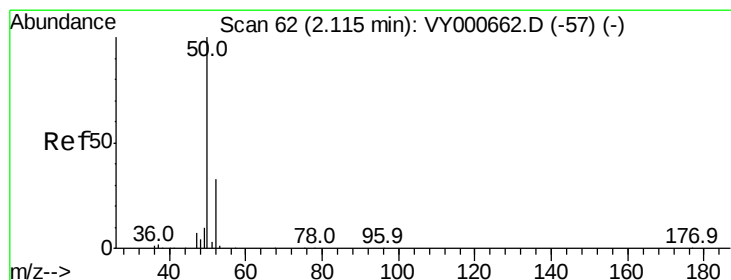
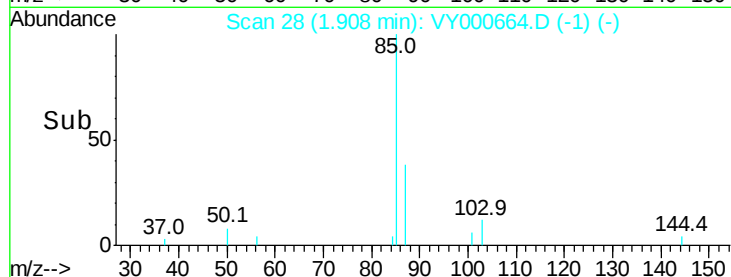
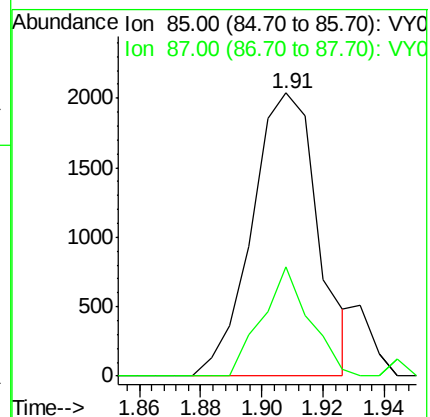
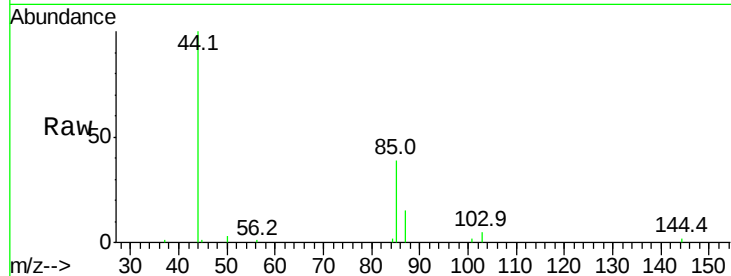
MDL01

Tgt Ion: 85 Resp: 3063

Ion Ratio Lower Upper

85 100

87 27.7 22.7 42.1



#3

Chloromethane

Concen: 0.654 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000664.D

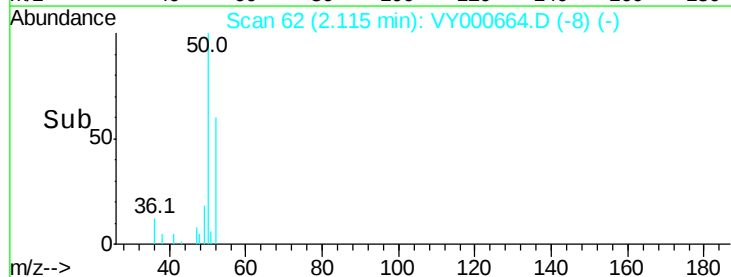
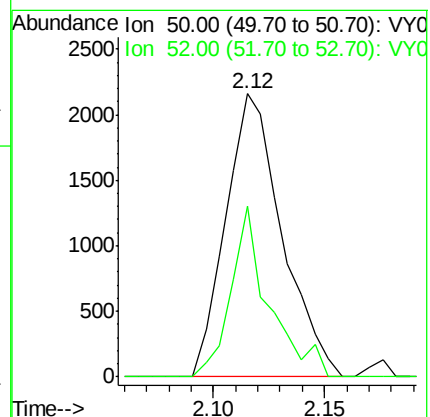
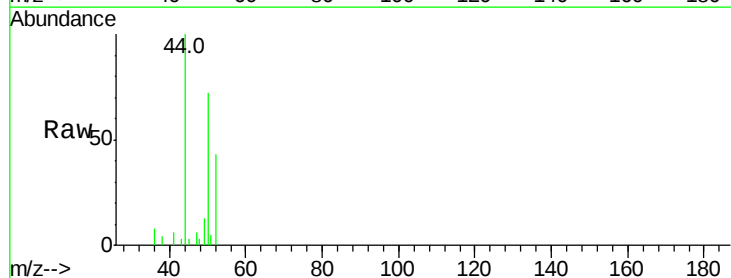
Acq: 13 Nov 2019 11:55

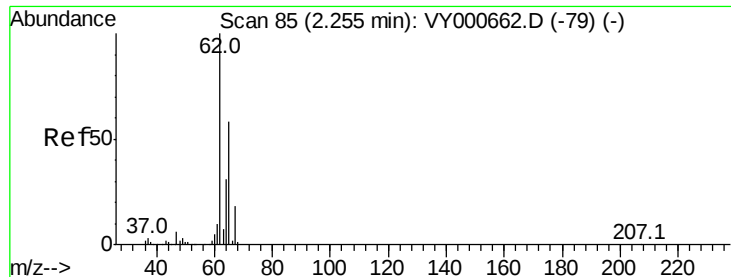
Tgt Ion: 50 Resp: 3789

Ion Ratio Lower Upper

50 100

52 60.4 24.9 46.3#





#5

Vinyl chloride

Concen: 0.616 ug/L

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000664.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_Y

ClientSampled :

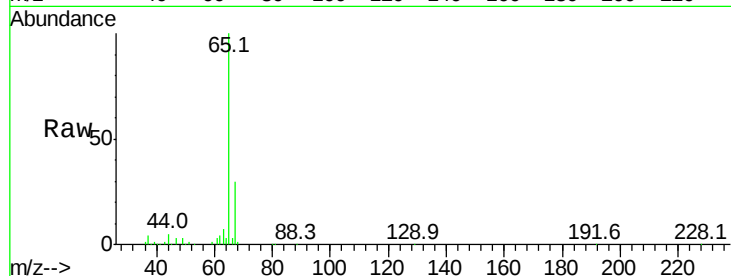
MDL01

Tgt Ion: 62 Resp: 3561

Ion Ratio Lower Upper

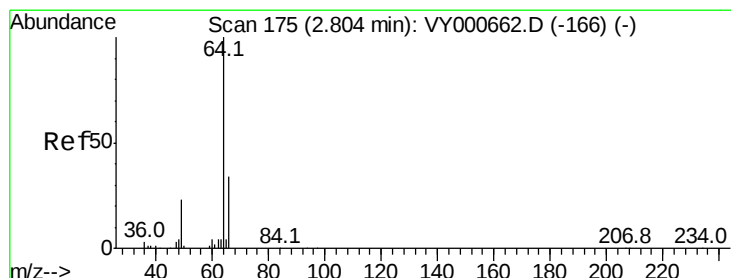
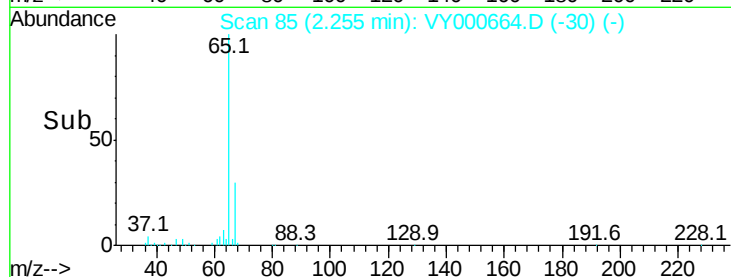
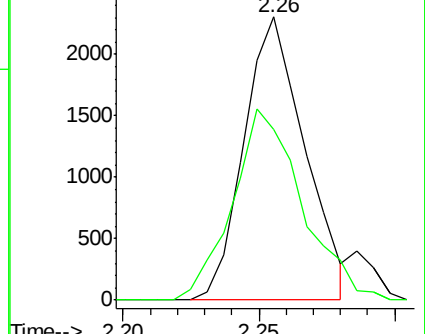
62 100

64 60.3 22.0 40.8#



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#8

Chloroethane

Concen: 0.552 ug/L

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY000664.D

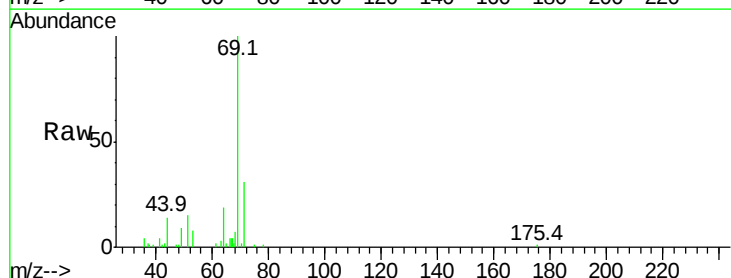
Acq: 13 Nov 2019 11:55

Tgt Ion: 64 Resp: 2000

Ion Ratio Lower Upper

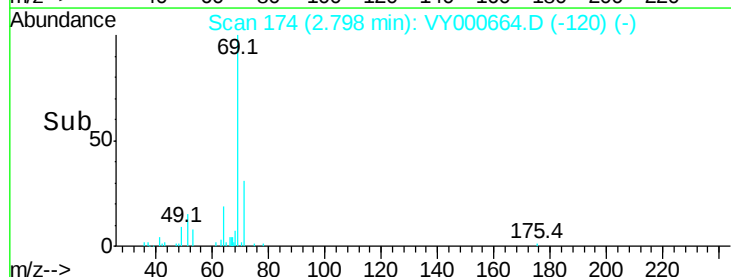
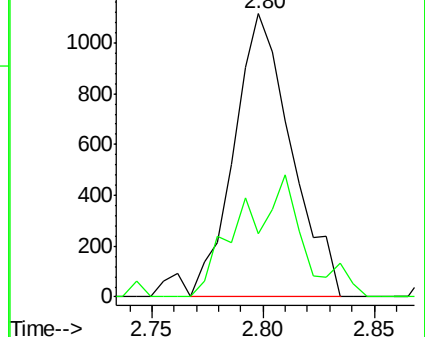
64 100

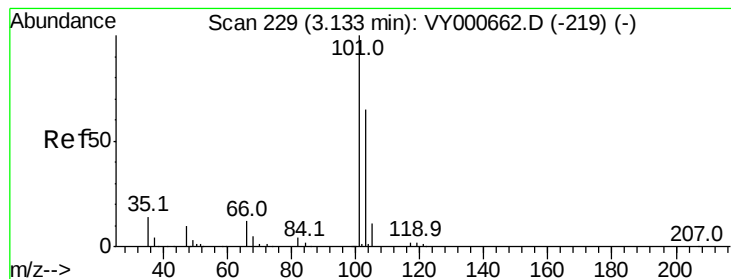
66 22.4 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0





#9

Trichlorofluoromethane

Concen: 0.715 ug/L

RT: 3.13 min Scan# 229

Delta R.T. 0.01 min

Lab File: VY000664.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_Y

ClientSampleId :

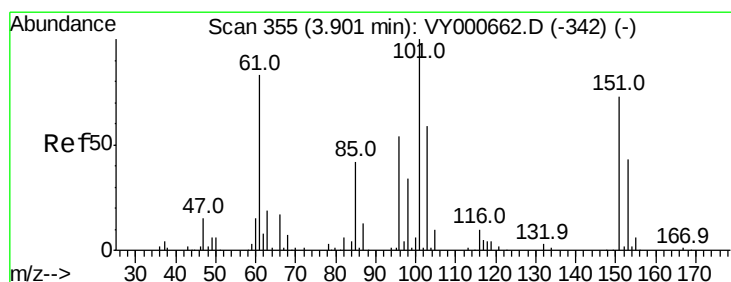
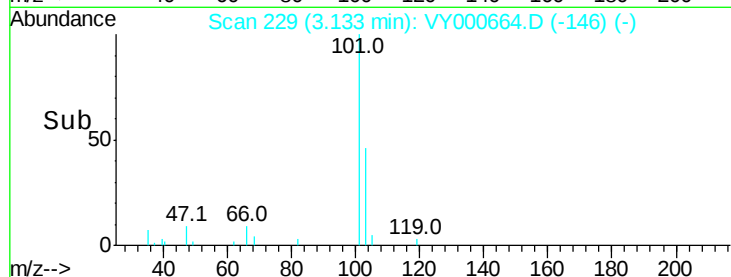
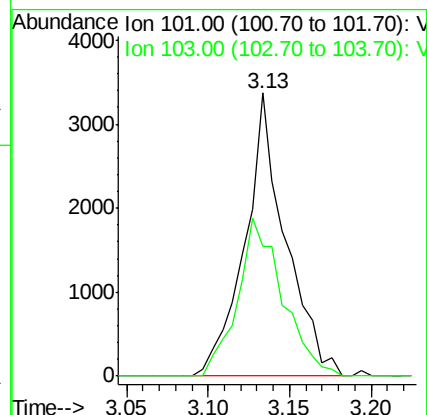
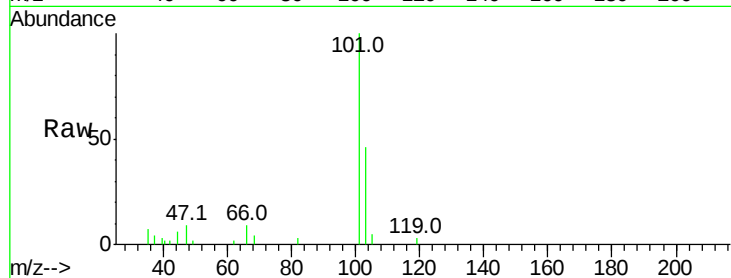
MDL01

Tgt Ion:101 Resp: 5852

Ion Ratio Lower Upper

101 100

103 61.6 45.8 85.0



#11

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

Concen: 0.400 ug/L

RT: 3.91 min Scan# 356

Delta R.T. 0.00 min

Lab File: VY000664.D

Acq: 13 Nov 2019 11:55

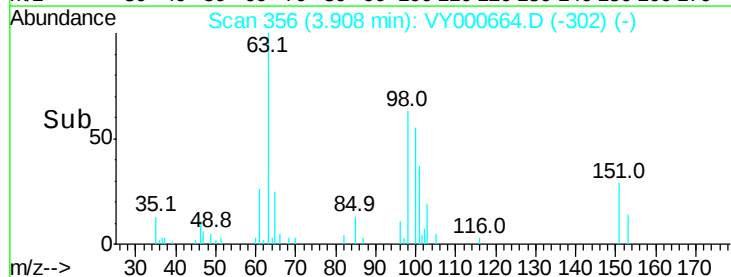
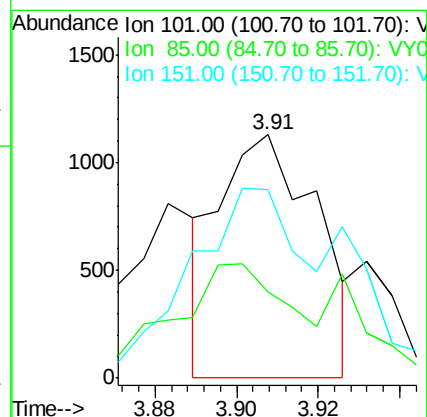
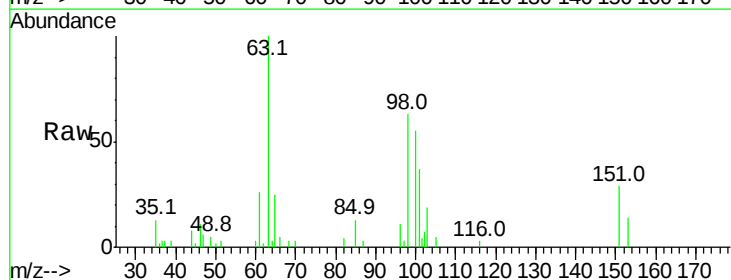
Tgt Ion:101 Resp: 1860

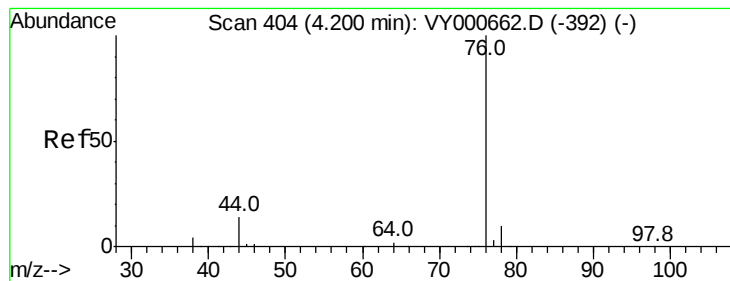
Ion Ratio Lower Upper

101 100

85 22.1 35.3 52.9#

151 91.8 61.9 92.9





#14

Carbon disulfide

Concen: 0.586 ug/L

RT: 4.21 min Scan# 405

Delta R.T. 0.01 min

Lab File: VY000664.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_Y

ClientSampleId :

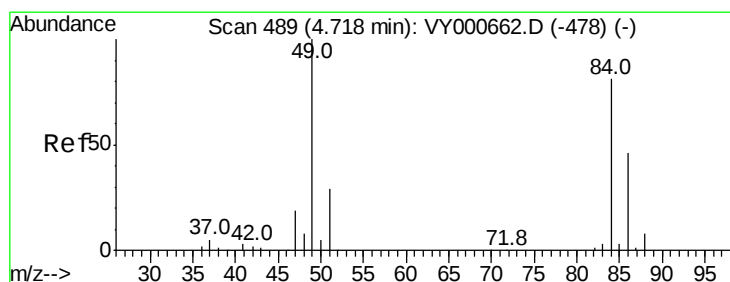
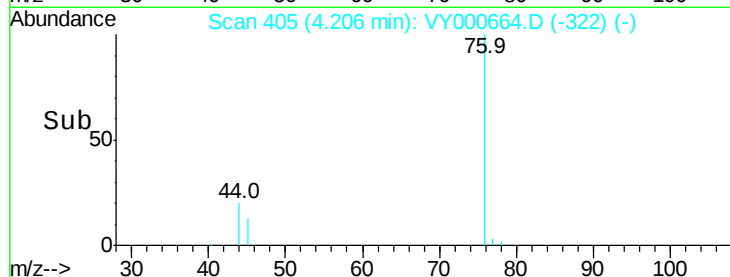
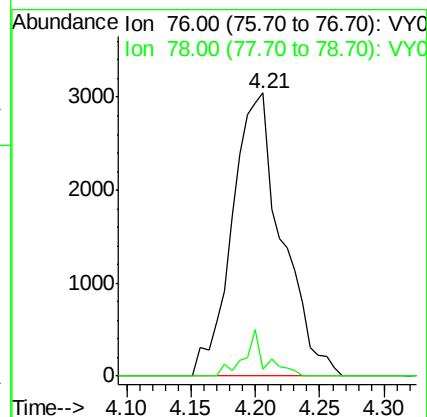
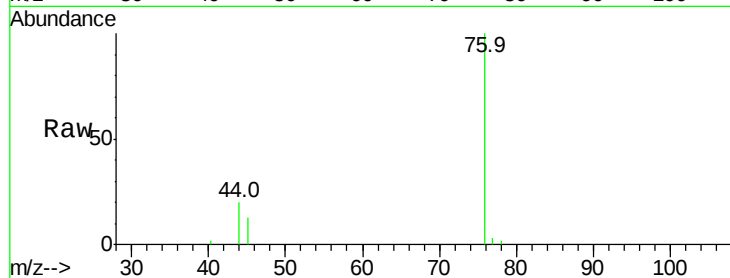
MDL01

Tgt Ion: 76 Resp: 8195

Ion Ratio Lower Upper

76 100

78 2.2 7.0 10.6#



#16

Methylene chloride

Concen: 2.232 ug/L

RT: 4.72 min Scan# 489

Delta R.T. 0.00 min

Lab File: VY000664.D

Acq: 13 Nov 2019 11:55

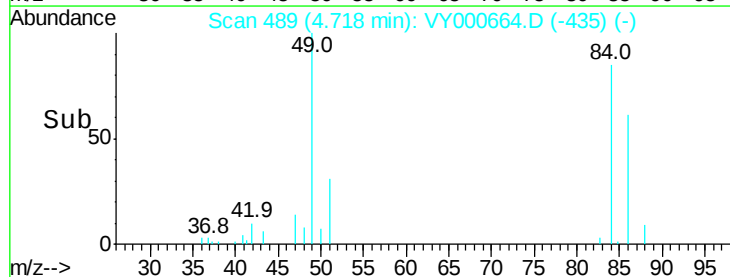
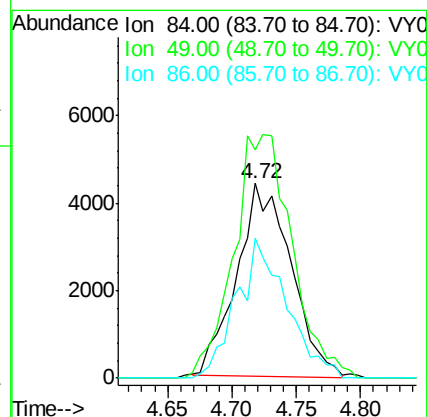
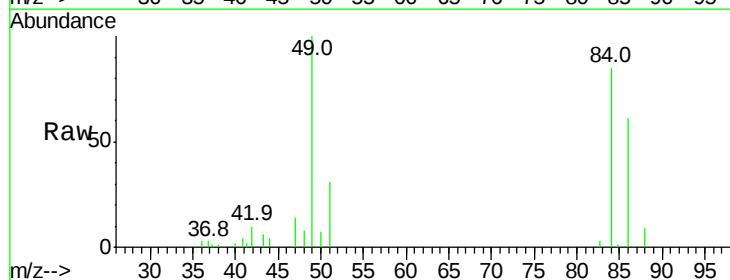
Tgt Ion: 84 Resp: 12883

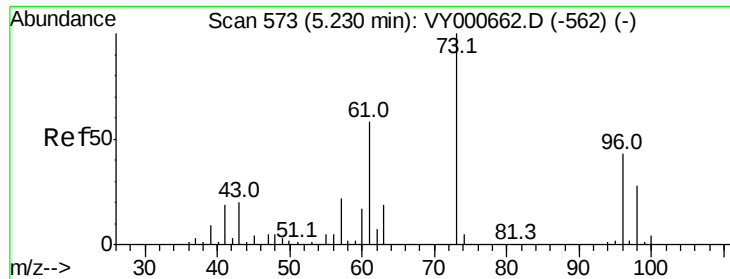
Ion Ratio Lower Upper

84 100

49 117.4 88.8 165.0

86 71.8 43.9 81.5





#18

trans-1,2-Dichloroethene

Concen: 0.593 ug/L

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

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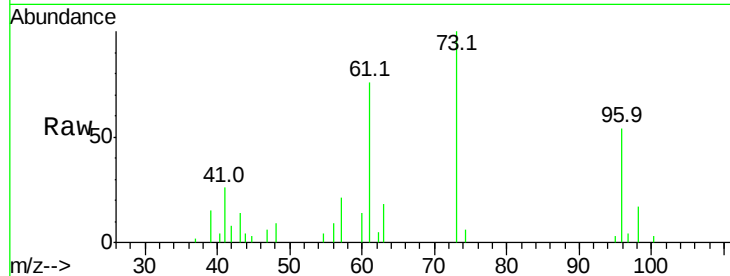
Tgt Ion: 96 Resp: 3003

Ion Ratio Lower Upper

96 100

61 131.9 91.8 170.4

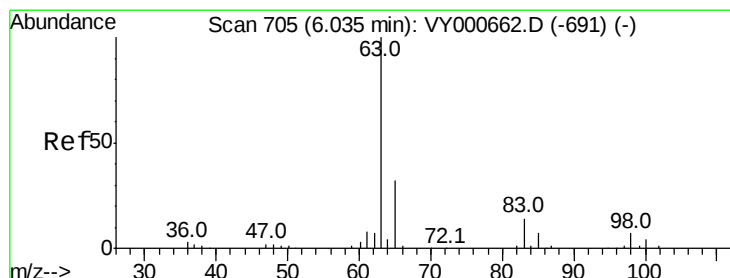
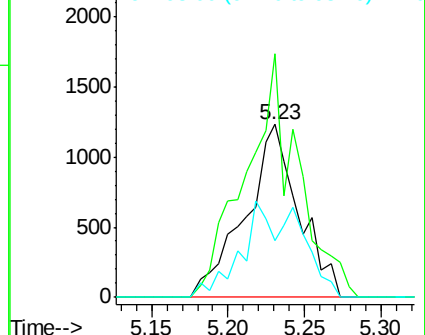
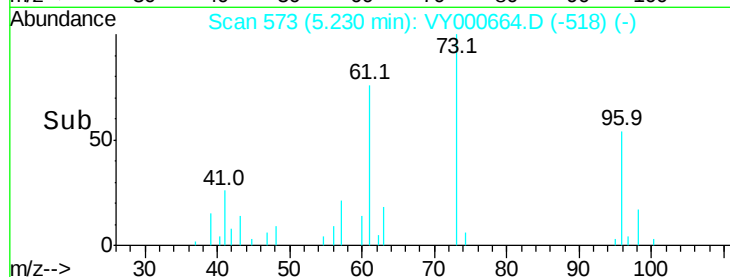
98 30.5 46.3 85.9#



Abundance Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 98.00 (97.70 to 98.70): VY0



#19

1,1-Dichloroethane

Concen: 0.512 ug/L

RT: 6.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VY000664.D

Acq: 13 Nov 2019 11:55

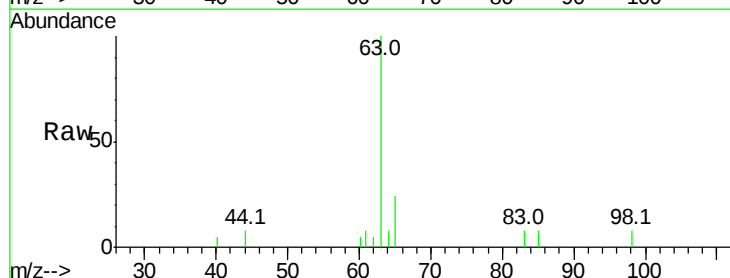
Tgt Ion: 63 Resp: 4564

Ion Ratio Lower Upper

63 100

65 24.0 23.9 44.5

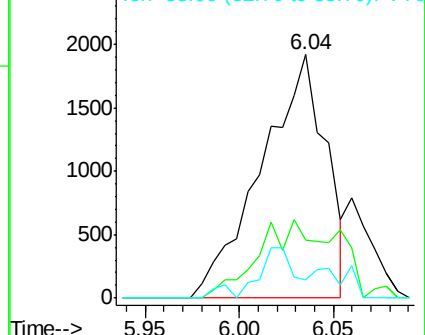
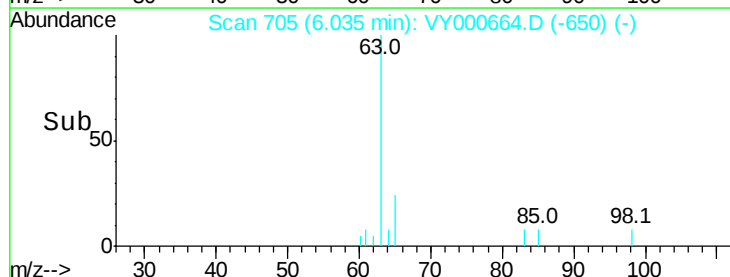
83 7.6 10.1 18.9#

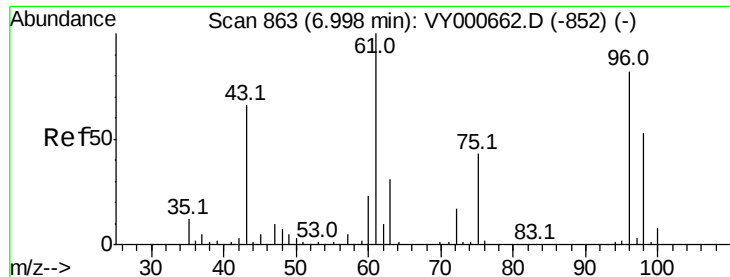


Abundance Ion 63.00 (62.70 to 63.70): VY0

Ion 65.00 (64.70 to 65.70): VY0

Ion 83.00 (82.70 to 83.70): VY0



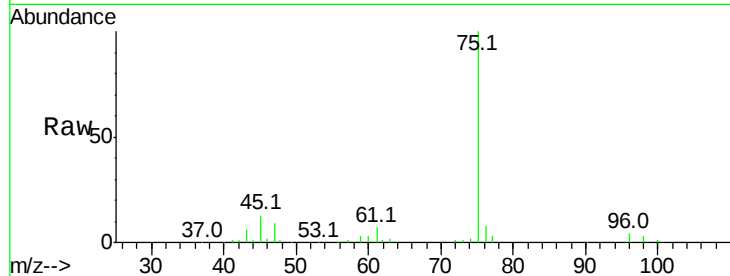


#22

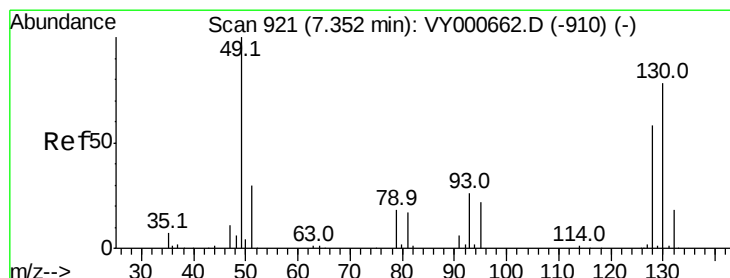
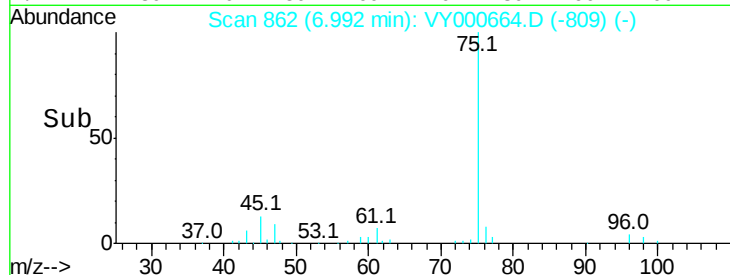
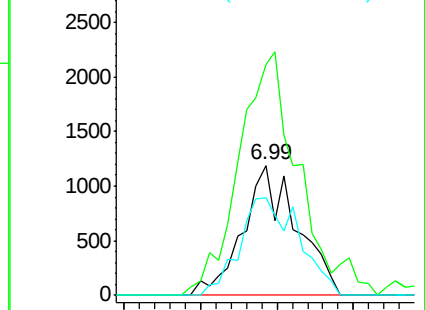
cis-1,2-Dichloroethene
Concen: 0.518 ug/L
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000664.D
Acq: 13 Nov 2019 11:55

Instrument :
MSVOA_Y
ClientSampleId :
MDL01

Tgt Ion: 96 Resp: 2900
Ion Ratio Lower Upper
96 100
61 178.2 86.8 161.2#
98 75.2 44.6 82.8



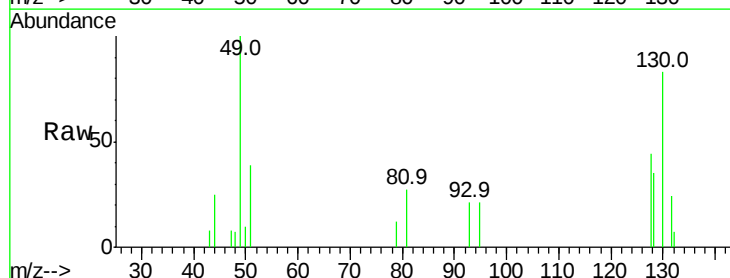
Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 98.00 (97.70 to 98.70): VY0



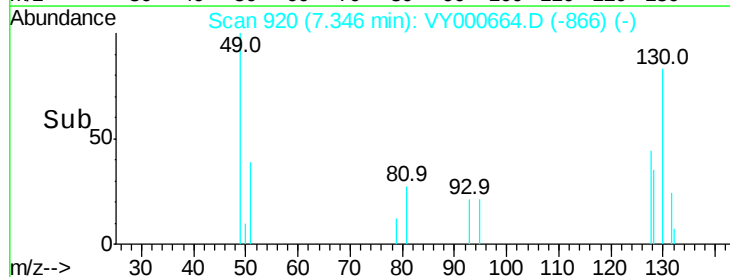
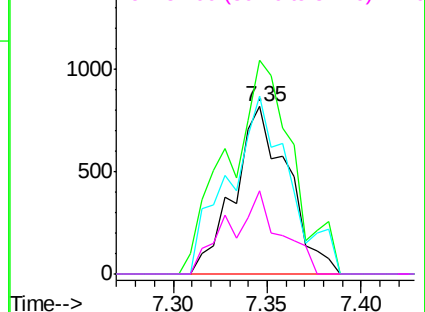
#23

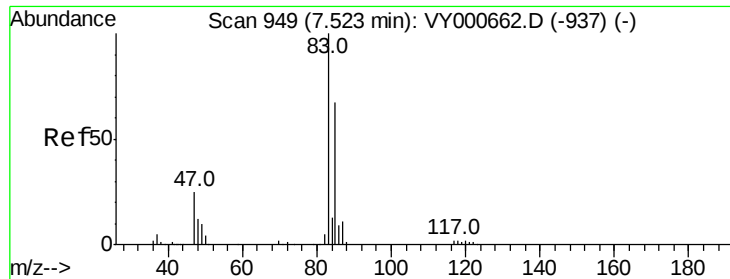
Bromochloromethane
Concen: 0.663 ug/L
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY000664.D
Acq: 13 Nov 2019 11:55

Tgt Ion: 128 Resp: 1620
Ion Ratio Lower Upper
128 100
49 127.5 131.5 244.3#
130 106.0 96.7 179.5
51 49.7 45.3 67.9



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





#25

Chloroform

Concen: 1.225 ug/L

RT: 7.52 min Scan# 949

Delta R.T. 0.01 min

Lab File: VY000664.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_Y

ClientSampleId :

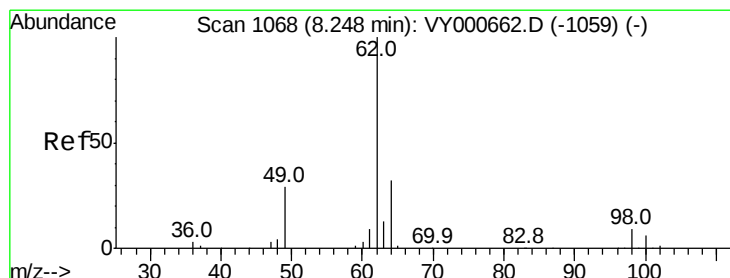
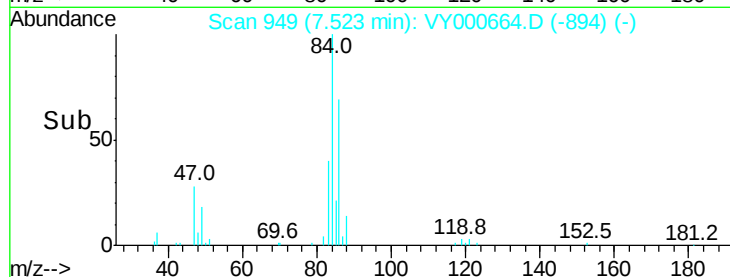
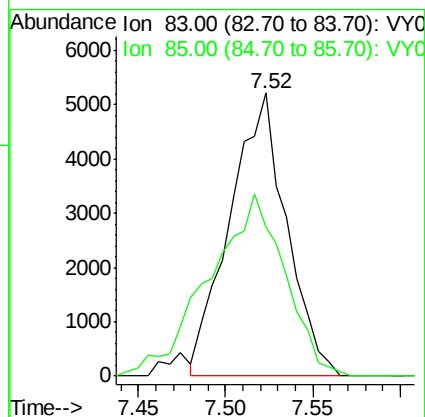
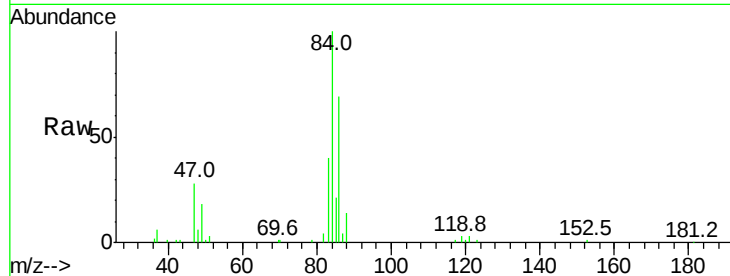
MDL01

Tgt Ion: 83 Resp: 11767

Ion Ratio Lower Upper

83 100

85 82.9 45.6 84.6



#27

1,2-Dichloroethane

Concen: 0.603 ug/L

RT: 8.24 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VY000664.D

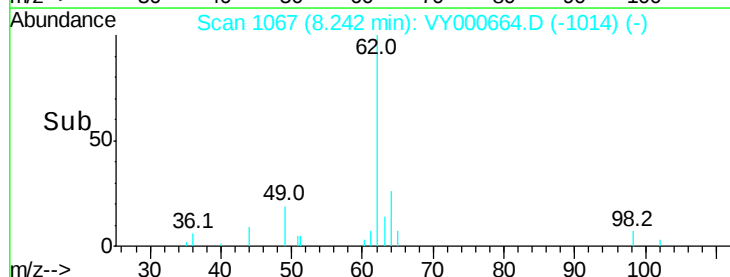
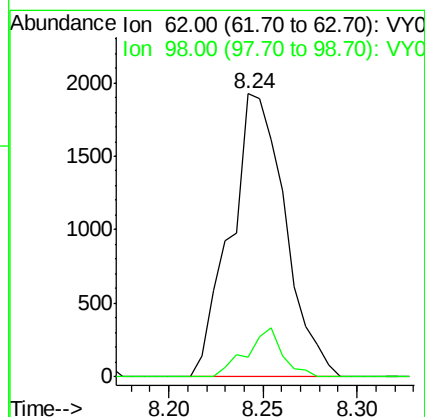
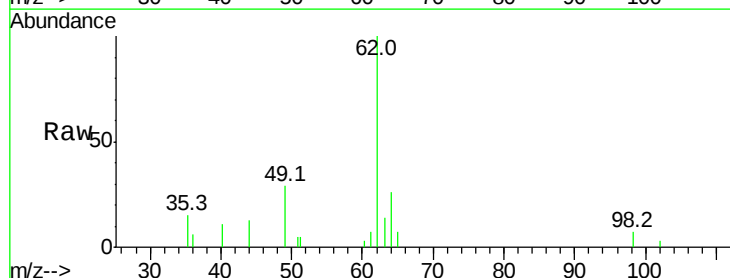
Acq: 13 Nov 2019 11:55

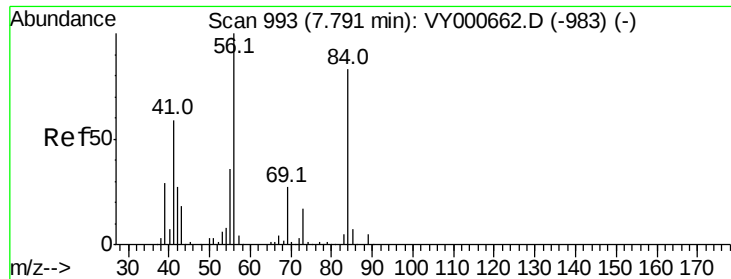
Tgt Ion: 62 Resp: 3869

Ion Ratio Lower Upper

62 100

98 6.9 7.5 11.3#

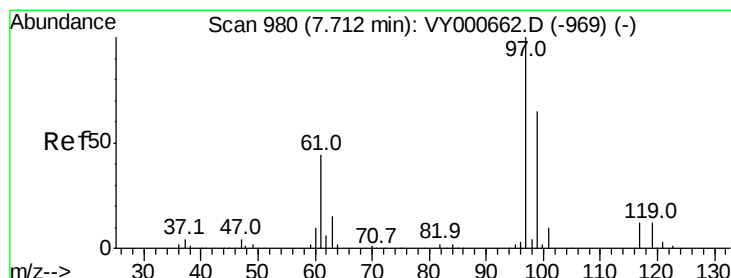
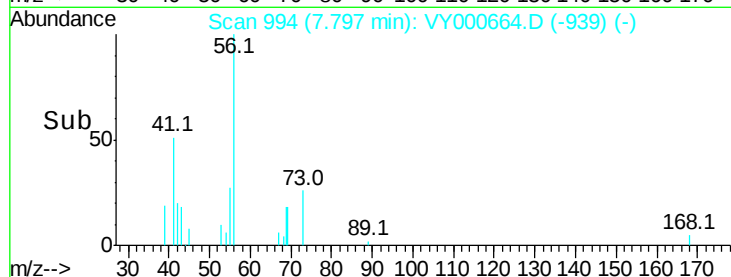
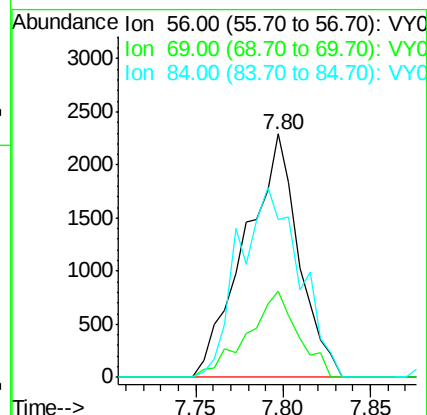
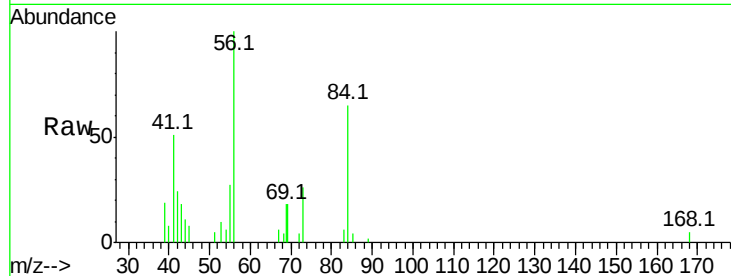




#30
Cyclohexane
Concen: 0.563 ug/L
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY000664.D
Acq: 13 Nov 2019 11:55

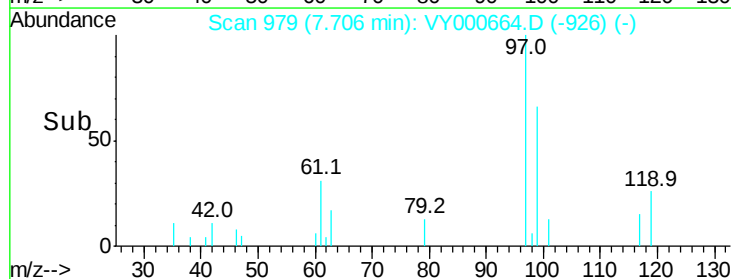
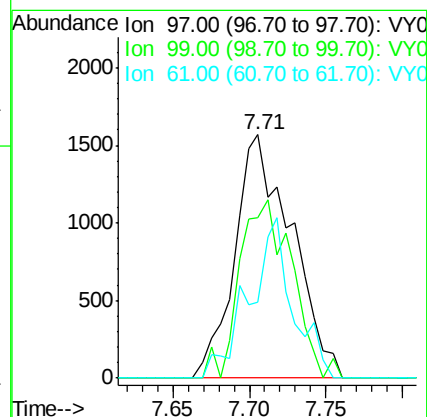
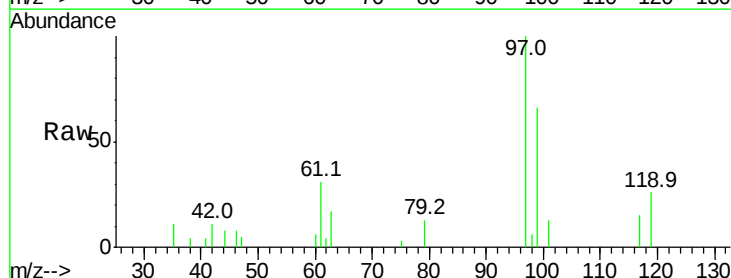
Instrument :
MSVOA_Y
ClientSampleId :
MDL01

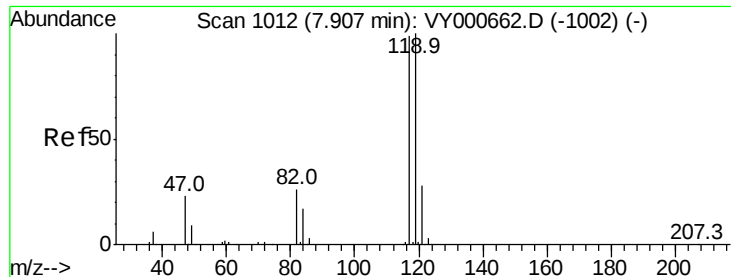
Tgt Ion: 56 Resp: 4896
Ion Ratio Lower Upper
56 100
69 33.1 24.1 36.1
84 64.8 70.2 105.4#



#31
1,1,1-Trichloroethane
Concen: 0.515 ug/L
RT: 7.71 min Scan# 979
Delta R.T. -0.01 min
Lab File: VY000664.D
Acq: 13 Nov 2019 11:55

Tgt Ion: 97 Resp: 4045
Ion Ratio Lower Upper
97 100
99 64.6 51.4 77.0
61 32.5 34.7 52.1#





#32

Carbon tetrachloride

Concen: 0.563 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VY000664.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_Y

ClientSampleId :

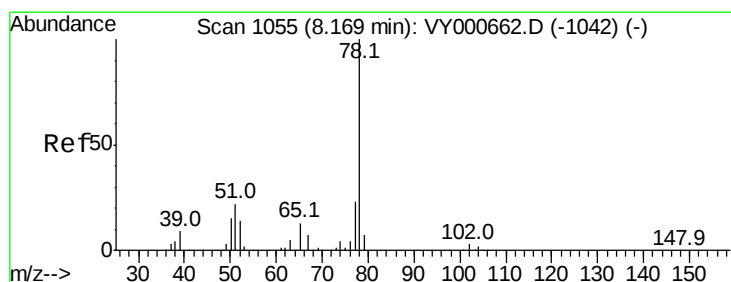
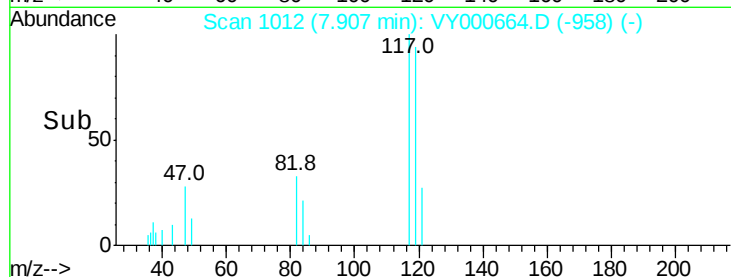
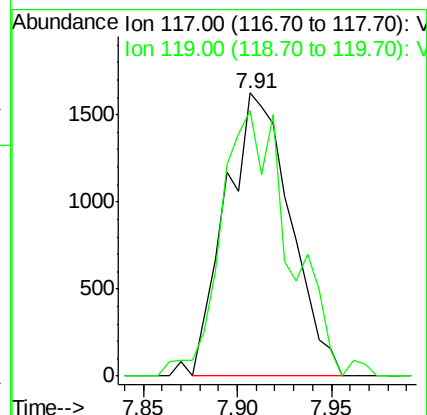
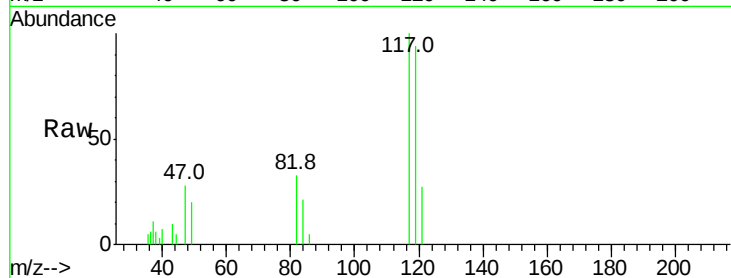
MDL01

Tgt Ion:117 Resp: 3851

Ion Ratio Lower Upper

117 100

119 58.4 76.2 114.2#



#34

Benzene

Concen: 0.588 ug/L

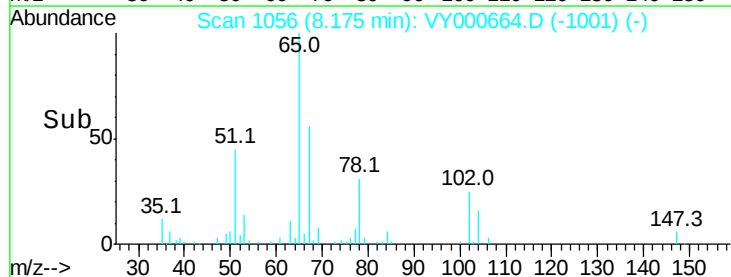
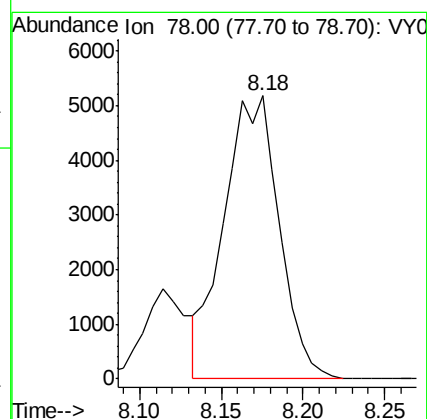
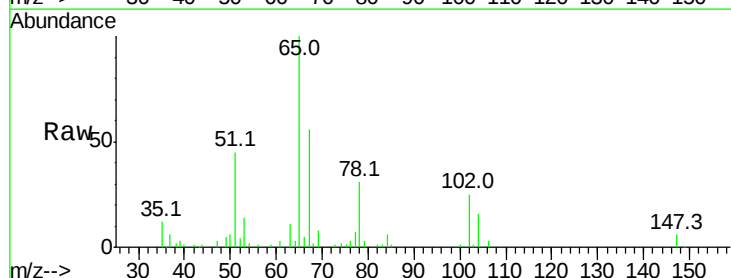
RT: 8.18 min Scan# 1056

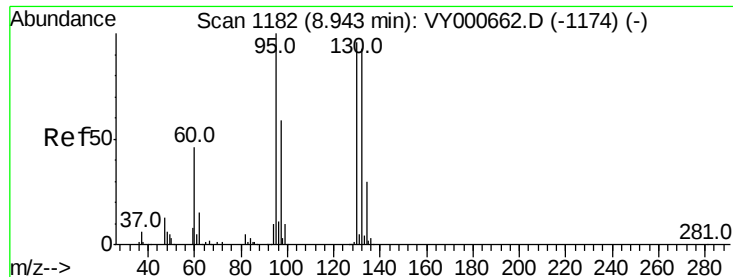
Delta R.T. 0.01 min

Lab File: VY000664.D

Acq: 13 Nov 2019 11:55

Tgt Ion: 78 Resp: 12253





#35

Trichloroethene

Concen: 0.560 ug/L

RT: 8.96 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VY000664.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

Tgt Ion: 95 Resp: 3059

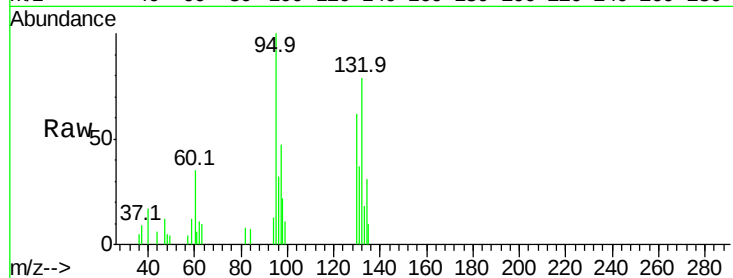
Ion Ratio Lower Upper

95 100

97 73.8 44.4 82.4

132 115.8 66.8 124.0

130 111.3 70.9 131.7

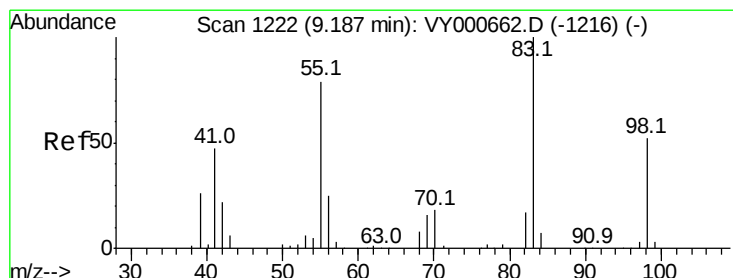
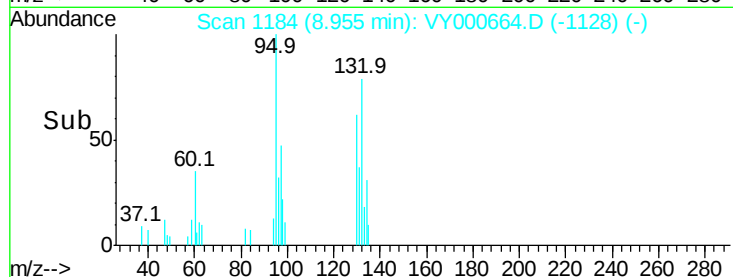
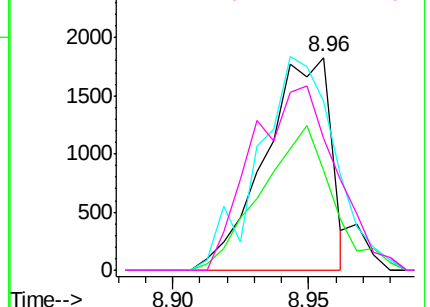


Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 0.548 ug/L

RT: 9.18 min Scan# 1221

Delta R.T. -0.01 min

Lab File: VY000664.D

Acq: 13 Nov 2019 11:55

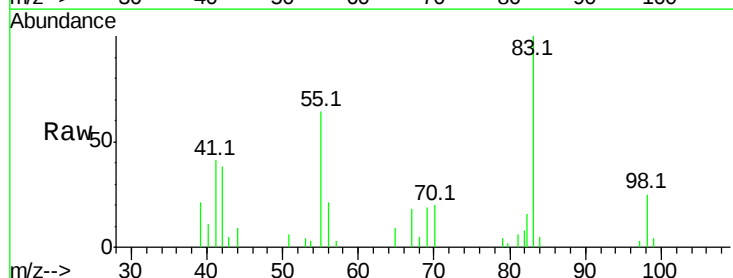
Tgt Ion: 83 Resp: 5124

Ion Ratio Lower Upper

83 100

55 0.0 60.0 90.0#

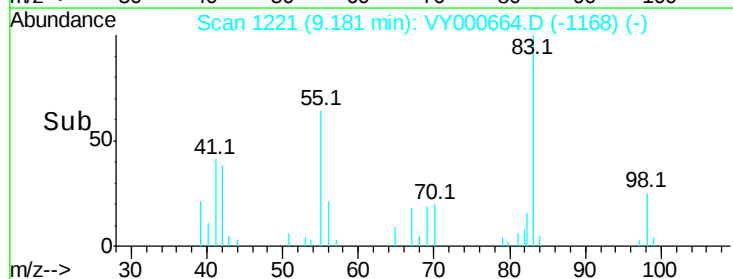
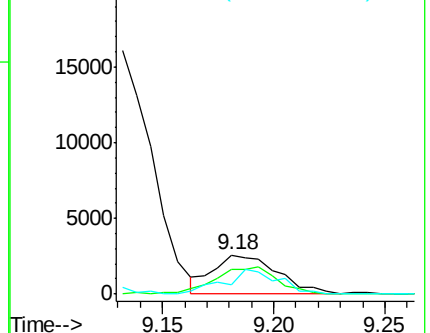
98 15.9 40.2 60.2#

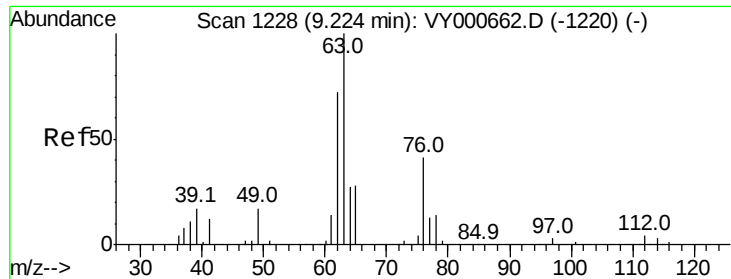


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#40

1,2-Dichloropropane

Concen: 0.529 ug/L

RT: 9.22 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VY000664.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_Y

ClientSampleId :

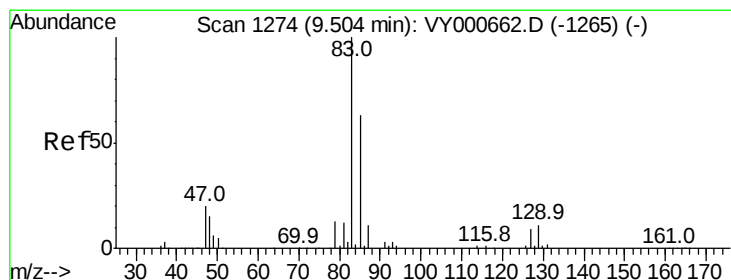
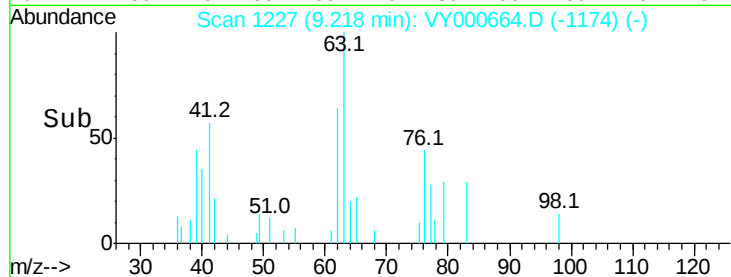
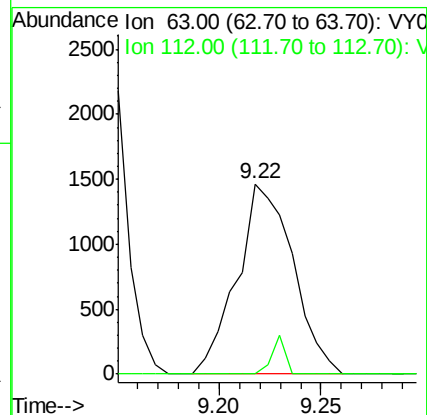
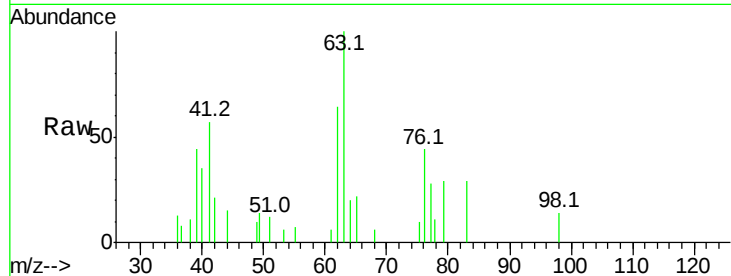
MDL01

Tgt Ion: 63 Resp: 2796

Ion Ratio Lower Upper

63 100

112 4.8 3.2 4.8



#41

Bromodichloromethane

Concen: 0.611 ug/L

RT: 9.50 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VY000664.D

Acq: 13 Nov 2019 11:55

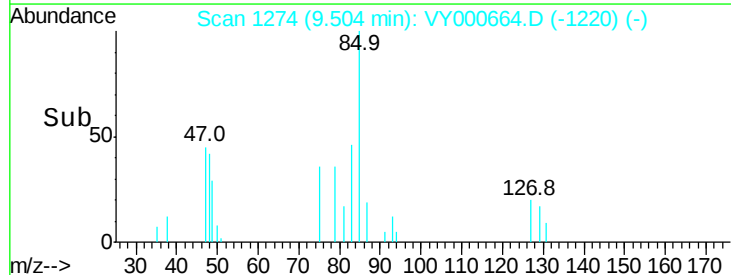
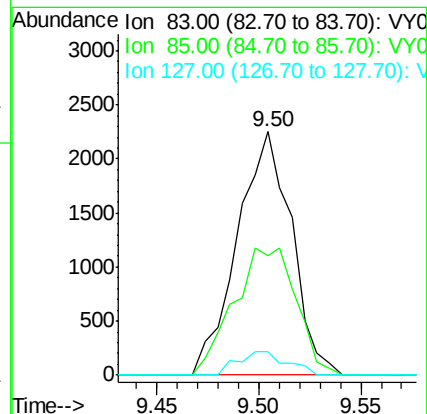
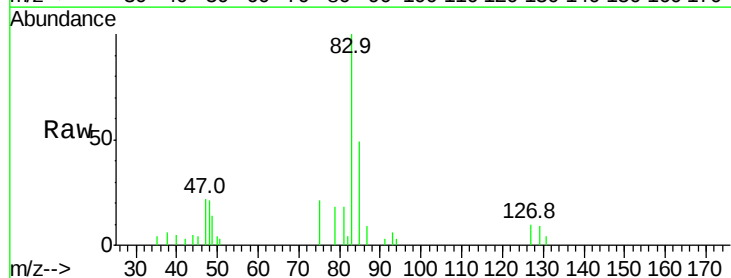
Tgt Ion: 83 Resp: 4152

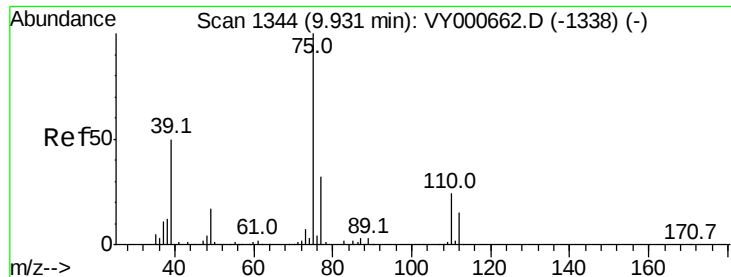
Ion Ratio Lower Upper

83 100

85 49.0 46.1 85.5

127 9.8 6.5 9.7#



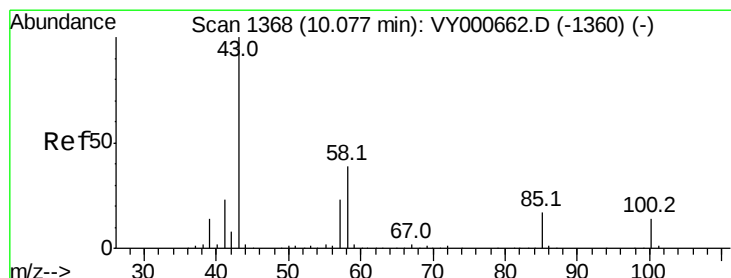
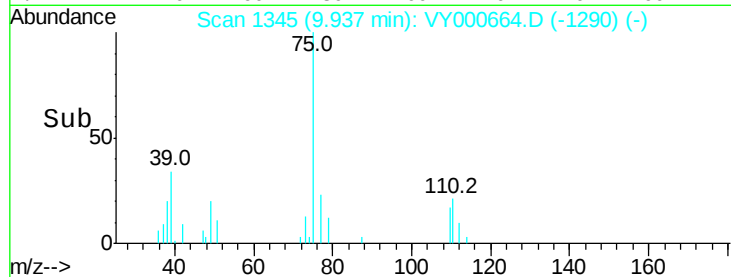
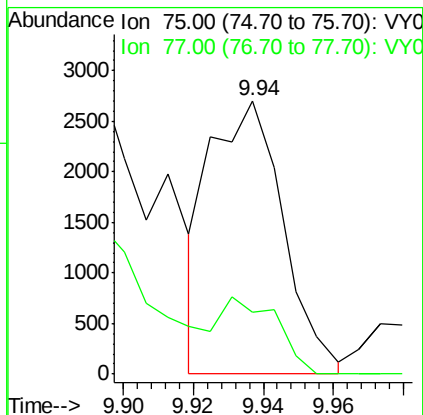
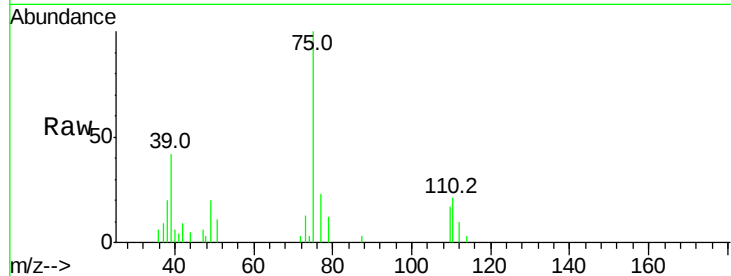


#42

cis-1,3-Dichloropropene
 Concen: 0.460 ug/L
 RT: 9.94 min Scan# 1345
 Delta R.T. 0.01 min
 Lab File: VY000664.D
 Acq: 13 Nov 2019 11:55

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL01

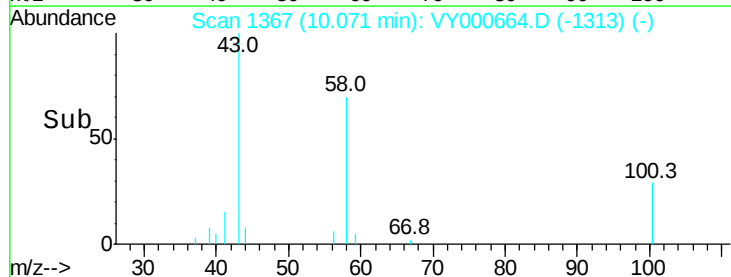
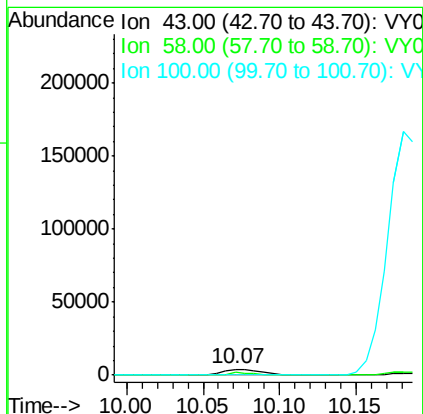
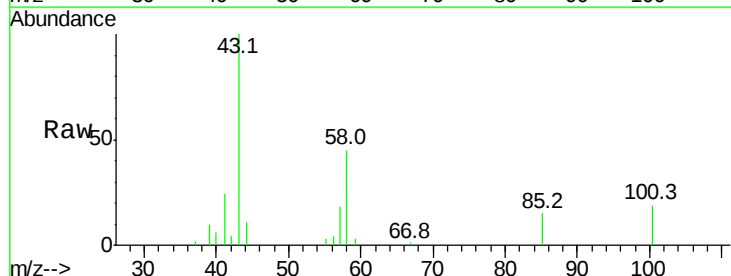
Tgt Ion: 75 Resp: 3916
 Ion Ratio Lower Upper
 75 100
 77 22.7 21.7 40.3

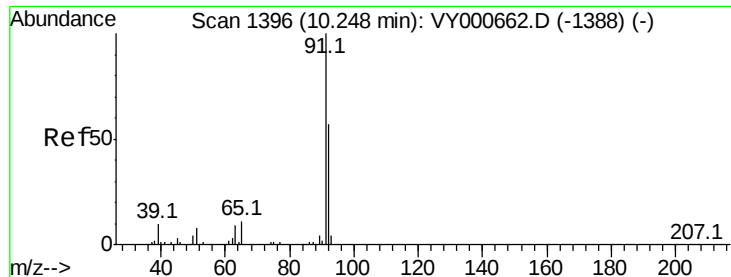


#43

4-Methyl-2-pentanone
 Concen: 1.446 ug/L
 RT: 10.07 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VY000664.D
 Acq: 13 Nov 2019 11:55

Tgt Ion: 43 Resp: 7306
 Ion Ratio Lower Upper
 43 100
 58 35.7 30.6 45.8
 100 10.7 12.0 18.0#





#44

Toluene

Concen: 0.574 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000664.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_Y

ClientSampleId :

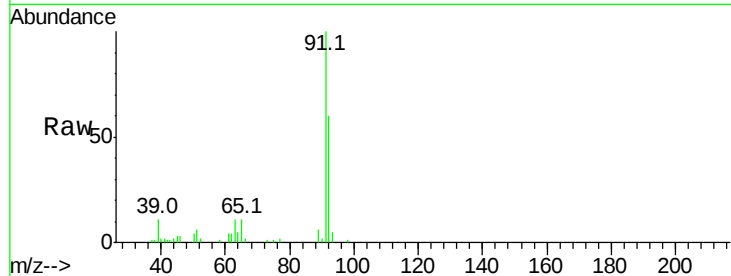
MDL01

Tgt Ion: 91 Resp: 12941

Ion Ratio Lower Upper

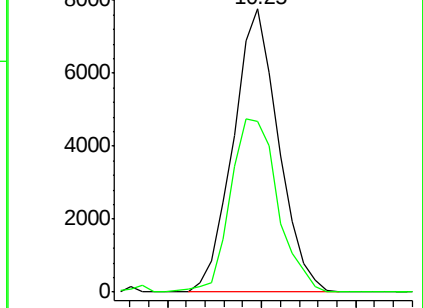
91 100

92 60.4 39.5 73.4

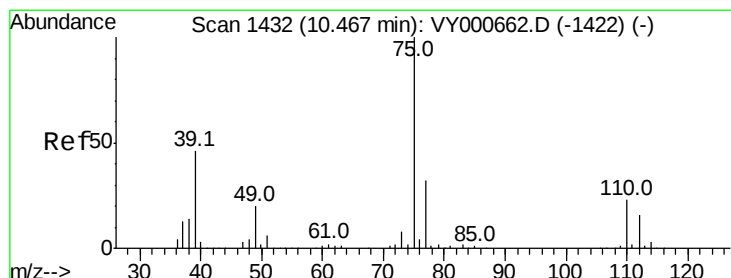
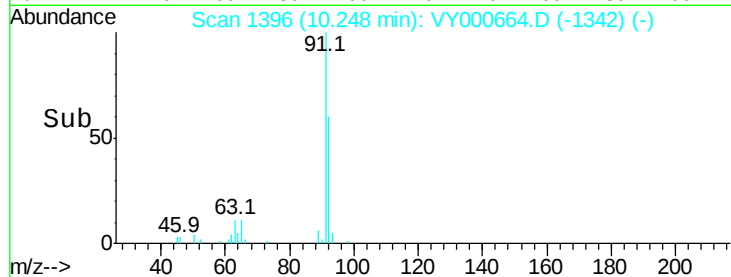


Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0



Time-->



#45

trans-1,3-Dichloropropene

Concen: 0.633 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY000664.D

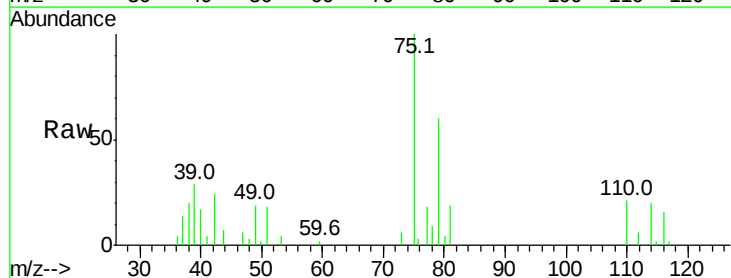
Acq: 13 Nov 2019 11:55

Tgt Ion: 75 Resp: 4627

Ion Ratio Lower Upper

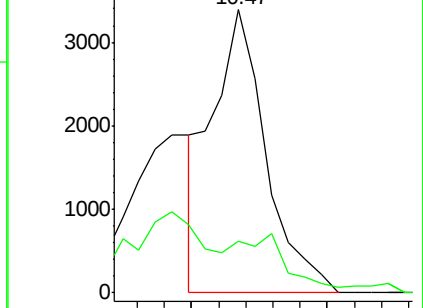
75 100

77 18.5 20.4 37.8#

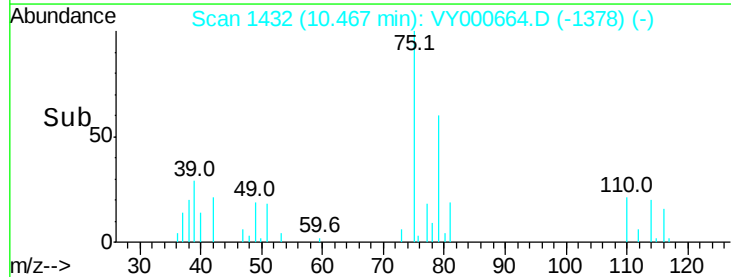


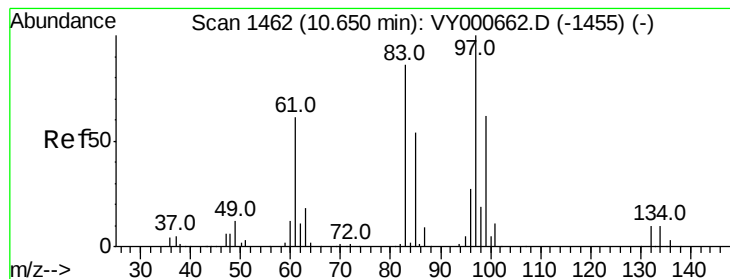
Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



Time-->





#46

1,1,2-Trichloroethane

Concen: 0.554 ug/L

RT: 10.65 min Scan# 1462

Delta R.T. 0.01 min

Lab File: VY000664.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

Tgt Ion: 97 Resp: 2402

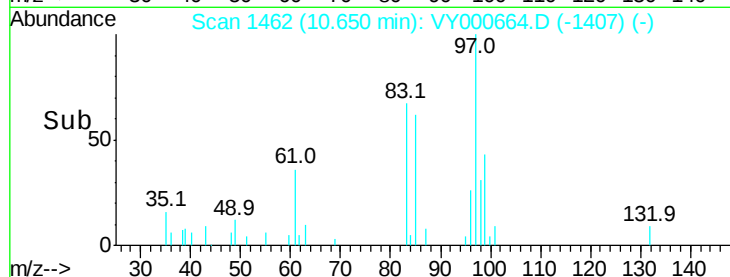
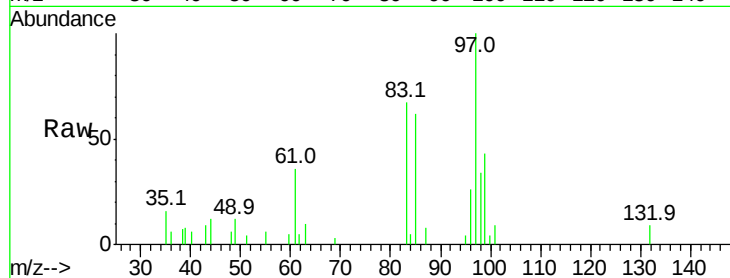
Ion Ratio Lower Upper

97 100

83 66.7 58.7 109.1

85 62.1 37.3 69.3

99 42.6 44.7 83.1#

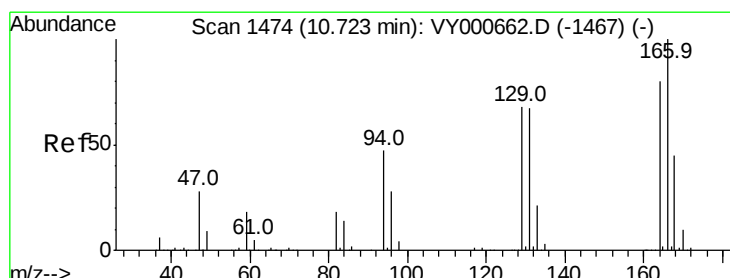
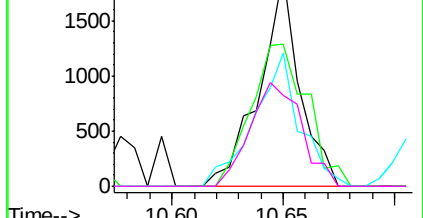


Abundance Ion 97.00 (96.70 to 97.70): VY000664.D (-1407) (-)

Ion 83.00 (82.70 to 83.70): VY000664.D (-1407) (-)

Ion 85.00 (84.70 to 85.70): VY000664.D (-1407) (-)

Ion 99.00 (98.70 to 99.70): VY000664.D (-1407) (-)



#47

Tetrachloroethene

Concen: 0.576 ug/L

RT: 10.72 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VY000664.D

Acq: 13 Nov 2019 11:55

Tgt Ion: 164 Resp: 2350

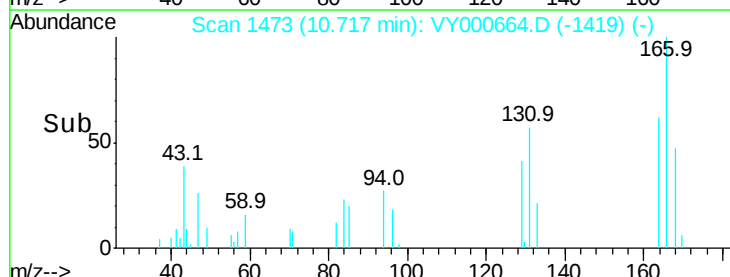
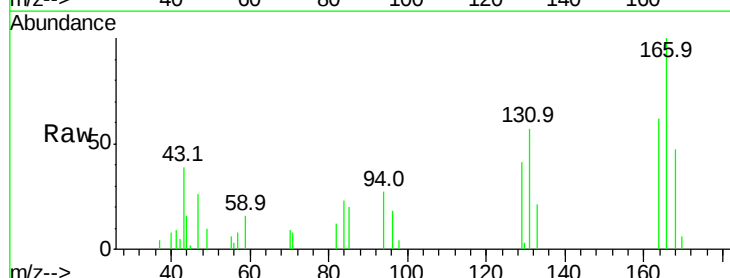
Ion Ratio Lower Upper

164 100

129 66.3 69.6 129.2#

131 91.4 66.8 124.2

166 160.3 89.0 165.2

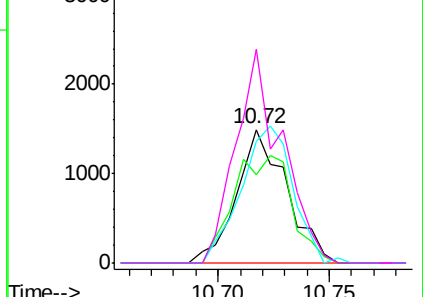


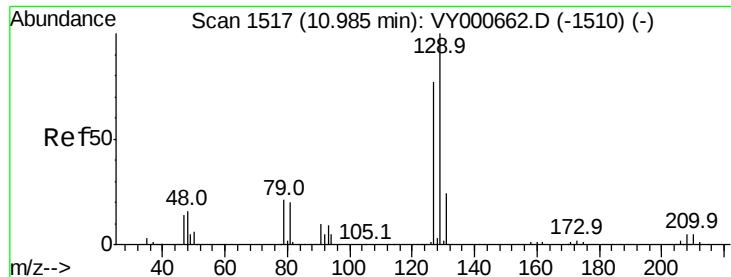
Abundance Ion 164.00 (163.70 to 164.70): VY000664.D (-1419) (-)

Ion 129.00 (128.70 to 129.70): VY000664.D (-1419) (-)

Ion 131.00 (130.70 to 131.70): VY000664.D (-1419) (-)

Ion 166.00 (165.70 to 166.70): VY000664.D (-1419) (-)





#50

Dibromochloromethane

Concen: 0.524 ug/L

RT: 10.99 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VY000664.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_Y

ClientSampled :

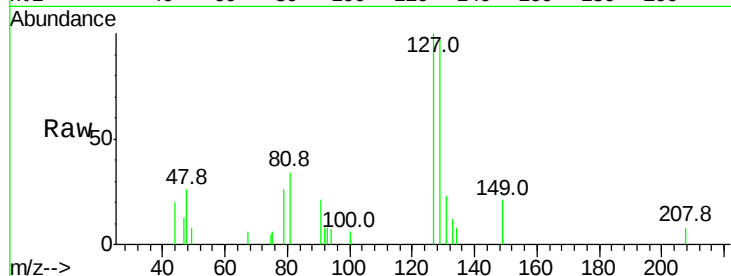
MDL01

Tgt Ion:129 Resp: 2563

Ion Ratio Lower Upper

129 100

127 102.6 57.9 107.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

1500

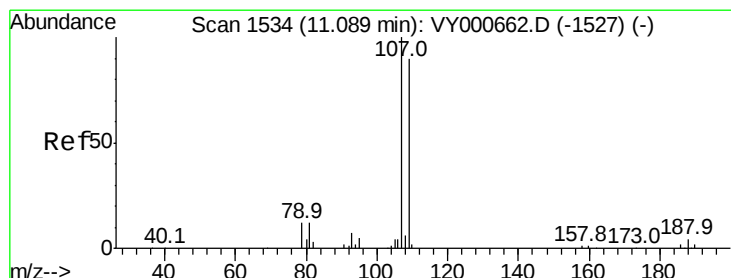
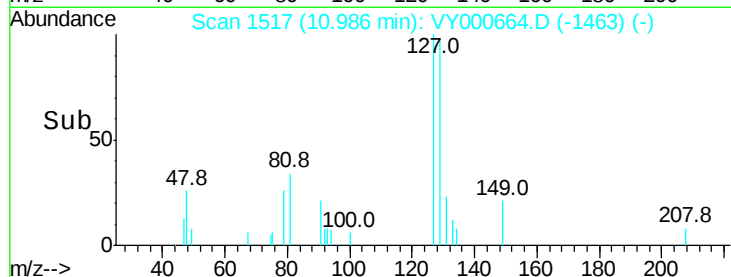
1000

500

0

10.95 11.00

Time-->



#51

1,2-Dibromoethane

Concen: 0.526 ug/L

RT: 11.10 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VY000664.D

Acq: 13 Nov 2019 11:55

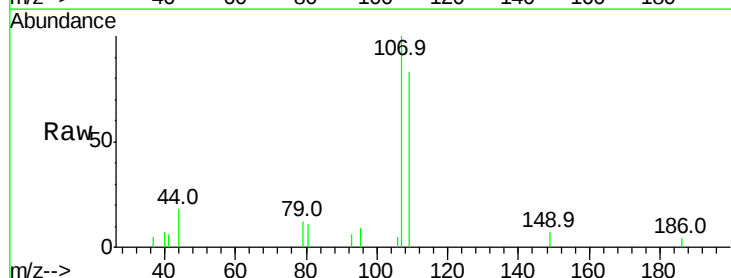
Tgt Ion:107 Resp: 2219

Ion Ratio Lower Upper

107 100

109 83.3 65.5 121.6

188 0.0 2.7 4.1#



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

2000

1500

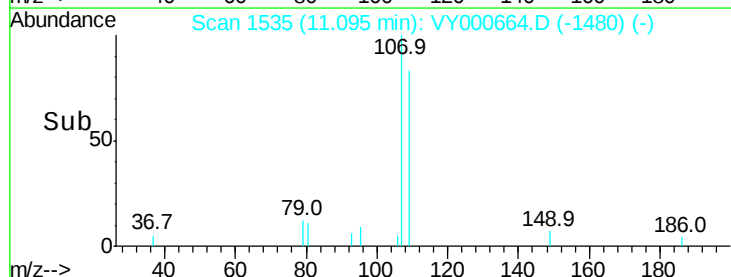
1000

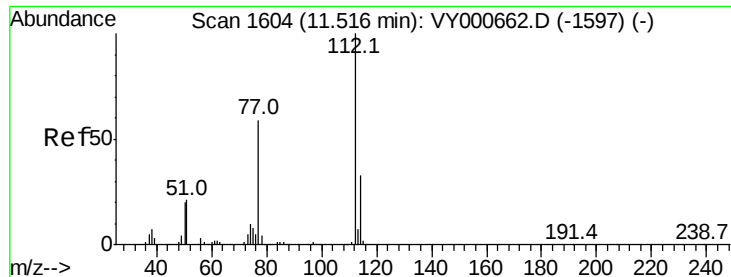
500

0

11.05 11.10

Time-->





#52

Chlorobenzene

Concen: 0.598 ug/L

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY000664.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

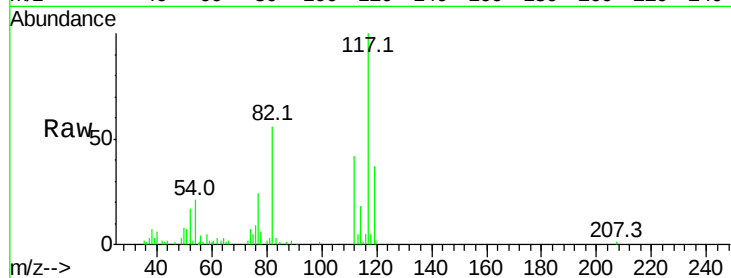
Tgt Ion: 112 Resp: 8544

Ion Ratio Lower Upper

112 100

77 57.3 47.4 71.0

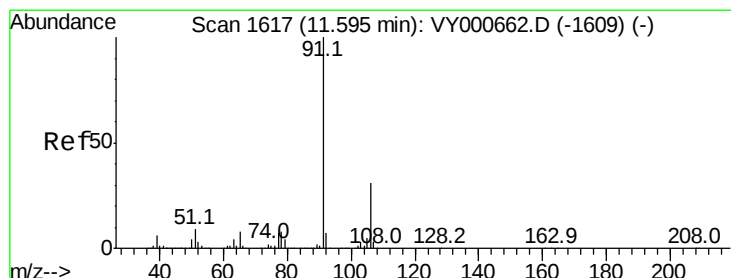
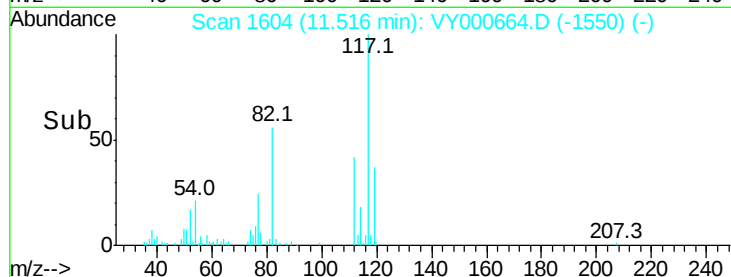
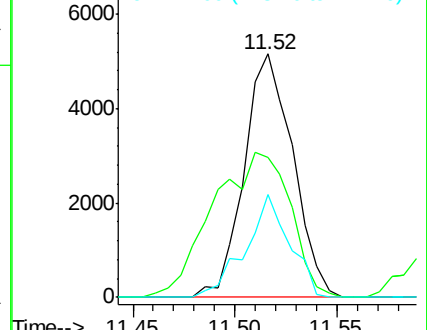
114 42.4 23.0 42.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 0.558 ug/L

RT: 11.60 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY000664.D

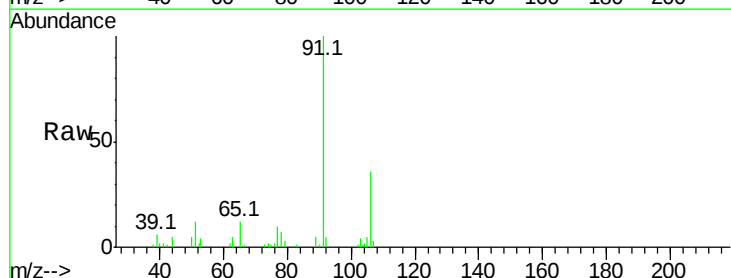
Acq: 13 Nov 2019 11:55

Tgt Ion: 91 Resp: 14228

Ion Ratio Lower Upper

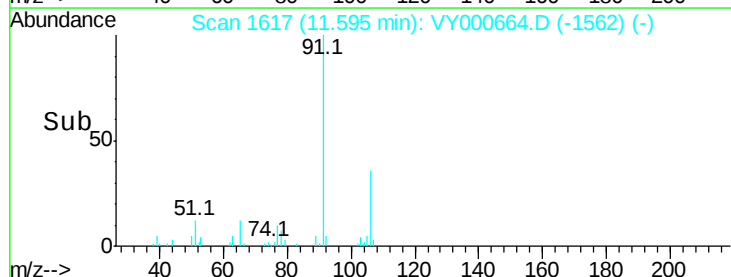
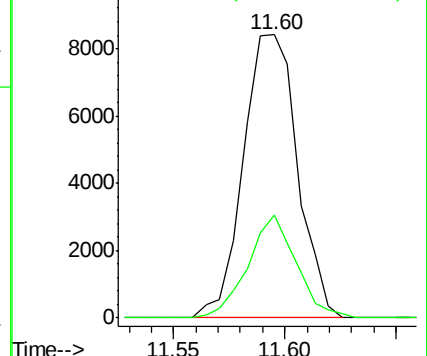
91 100

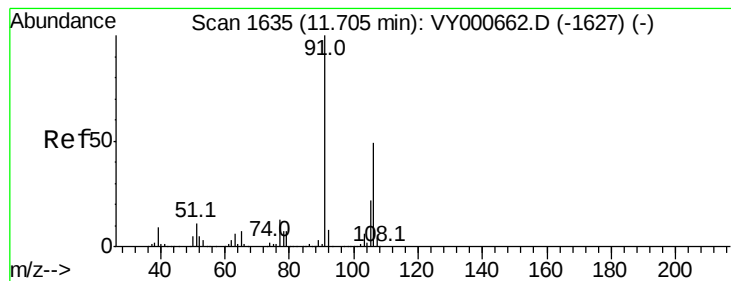
106 36.3 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 0.619 ug/L

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY000664.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_Y

ClientSampleId :

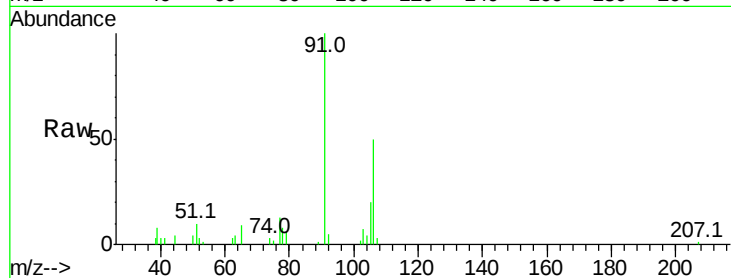
MDL01

Tgt Ion:106 Resp: 5969

Ion Ratio Lower Upper

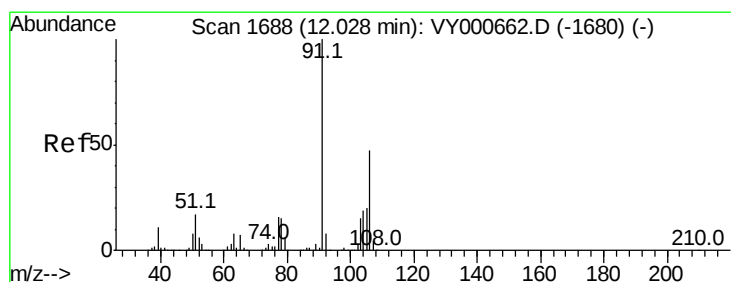
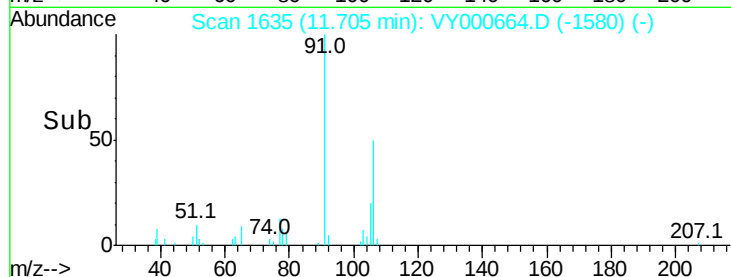
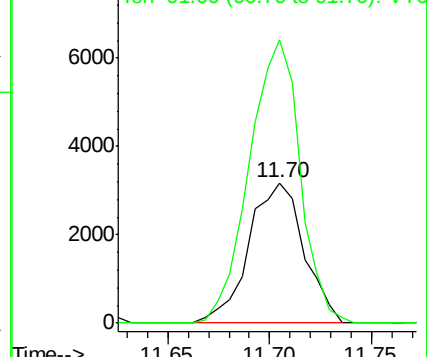
106 100

91 202.0 137.4 255.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

o-xylene

Concen: 0.543 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VY000664.D

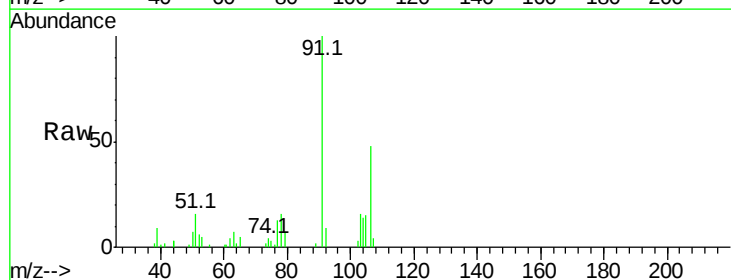
Acq: 13 Nov 2019 11:55

Tgt Ion:106 Resp: 5143

Ion Ratio Lower Upper

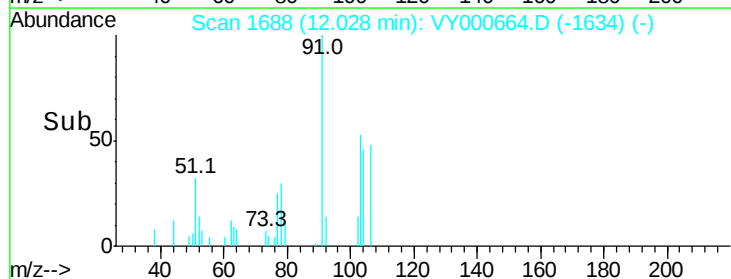
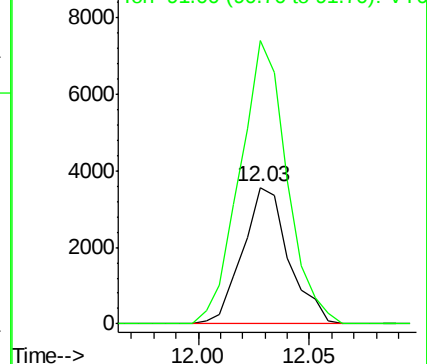
106 100

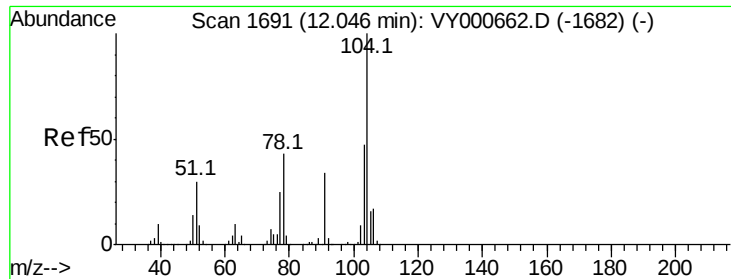
91 207.5 147.8 274.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#56

Styrene

Concen: 0.462 ug/L

RT: 12.05 min Scan# 1691

Delta R.T. 0.01 min

Lab File: VY000664.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_Y

ClientSampled :

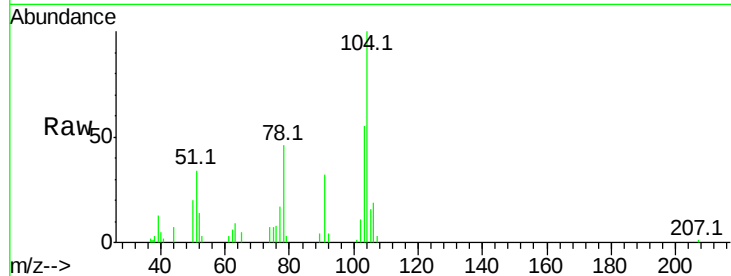
MDL01

Tgt Ion:104 Resp: 7261

Ion Ratio Lower Upper

104 100

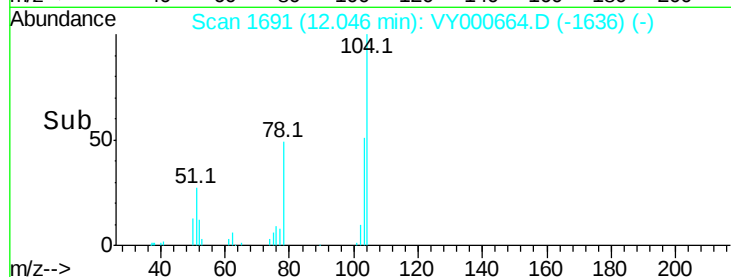
78 46.1 31.5 58.5



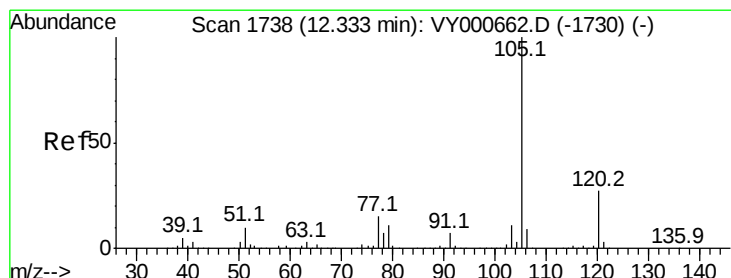
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0

12.05



Time-->



#57

Isopropylbenzene

Concen: 0.581 ug/L

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY000664.D

Acq: 13 Nov 2019 11:55

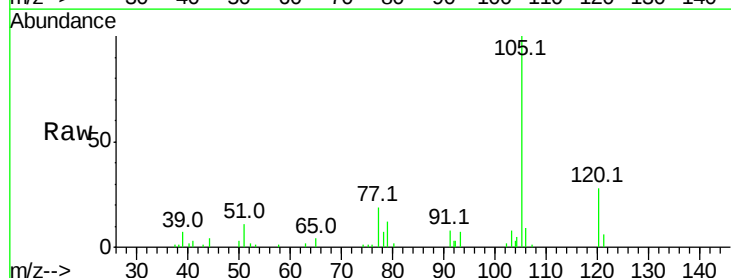
Tgt Ion:105 Resp: 14324

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

77 17.5 12.6 19.0

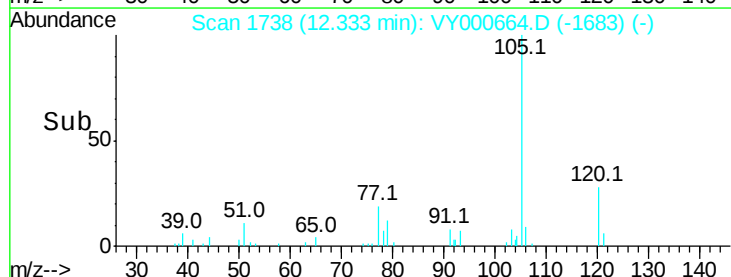


Abundance Ion 105.00 (104.70 to 105.70): V

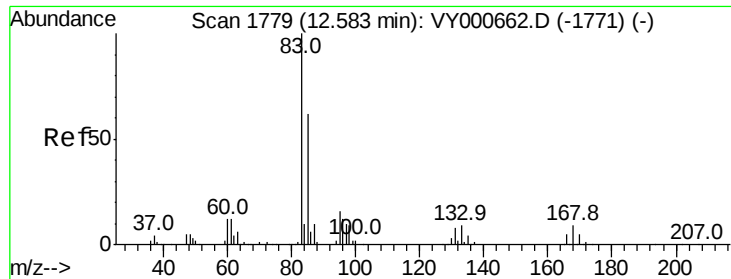
Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VY0

12.33



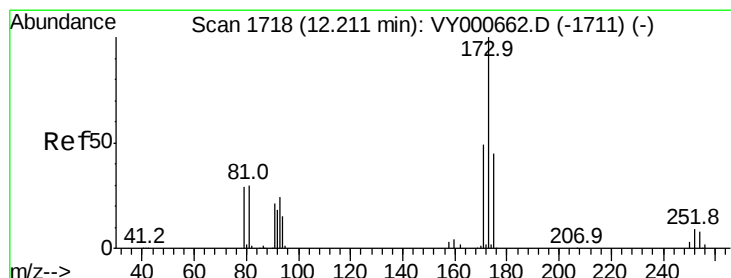
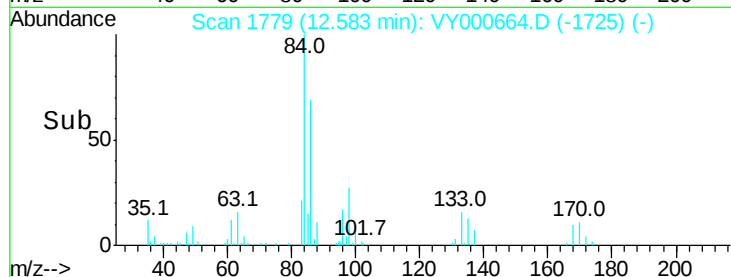
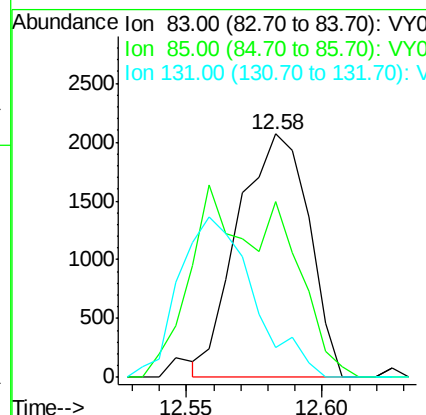
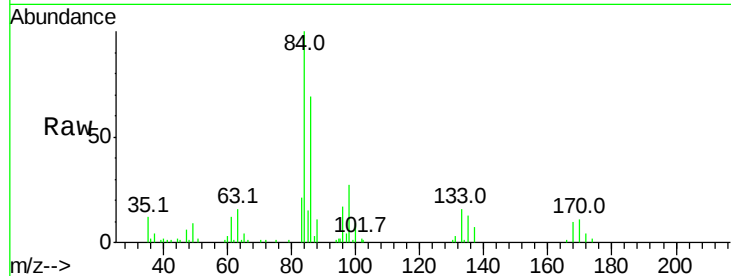
Time-->



#58
 1,1,2,2-Tetrachloroethane
 Concen: 0.689 ug/L
 RT: 12.58 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VY000664.D
 Acq: 13 Nov 2019 11:55

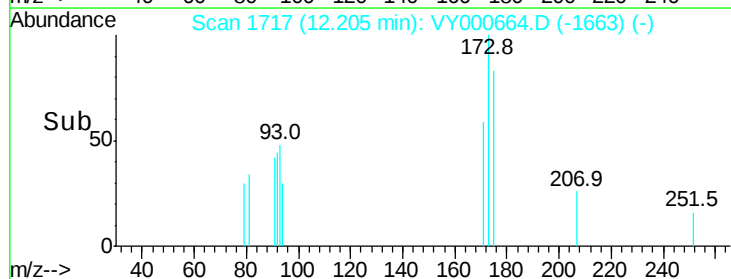
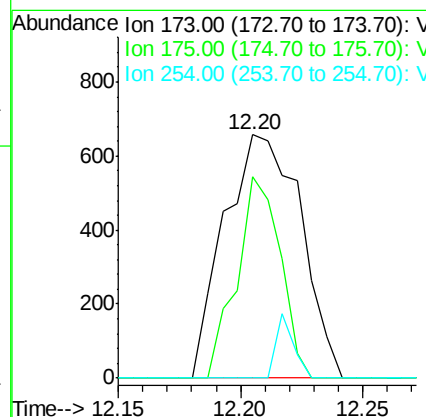
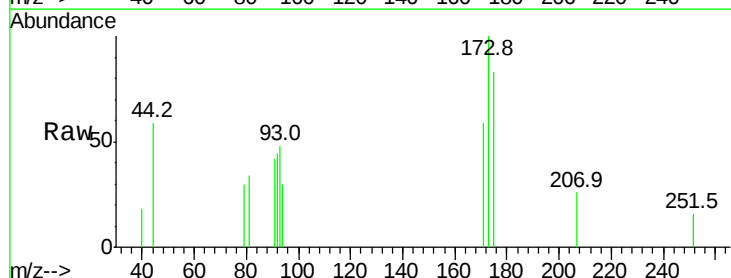
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL01

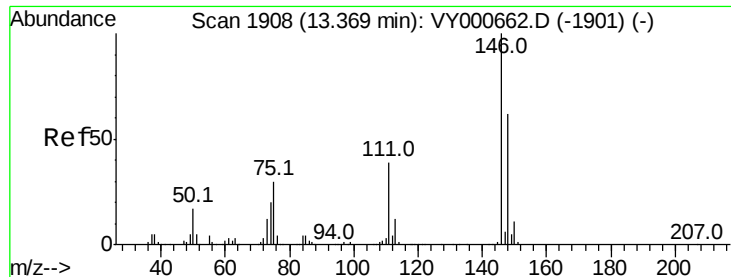
Tgt Ion: 83 Resp: 3725
 Ion Ratio Lower Upper
 83 100
 85 72.2 45.0 83.6
 131 12.5 7.8 11.6#



#62
 Bromoform
 Concen: 0.510 ug/L
 RT: 12.20 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VY000664.D
 Acq: 13 Nov 2019 11:55

Tgt Ion: 173 Resp: 1428
 Ion Ratio Lower Upper
 173 100
 175 47.0 37.8 56.6
 254 6.1 7.7 11.5#

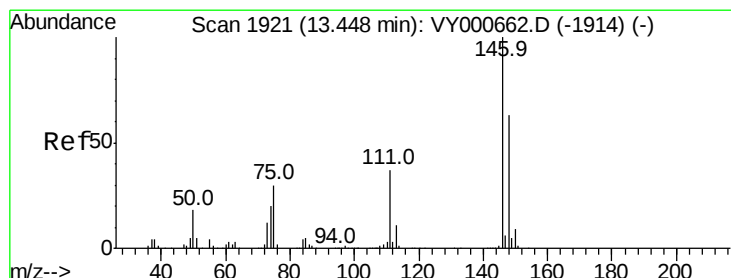
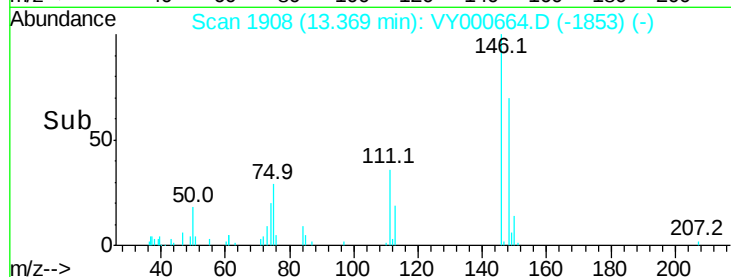
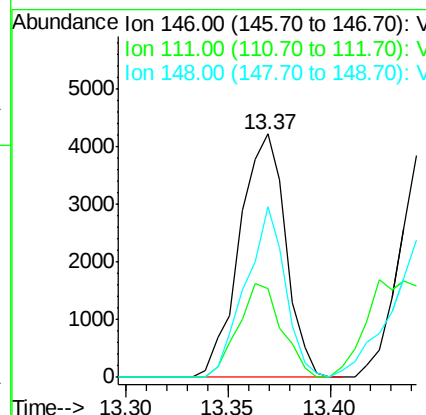
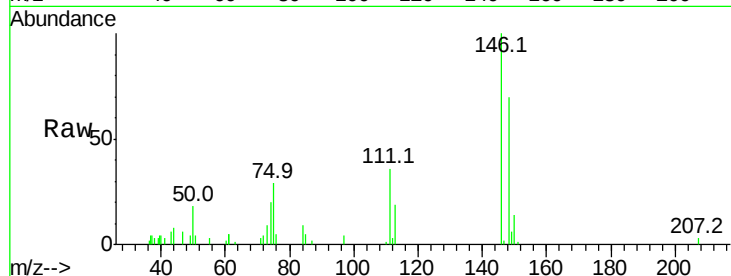




#63
 1,3-Dichlorobenzene
 Concen: 0.627 ug/L
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY000664.D
 Acq: 13 Nov 2019 11:55

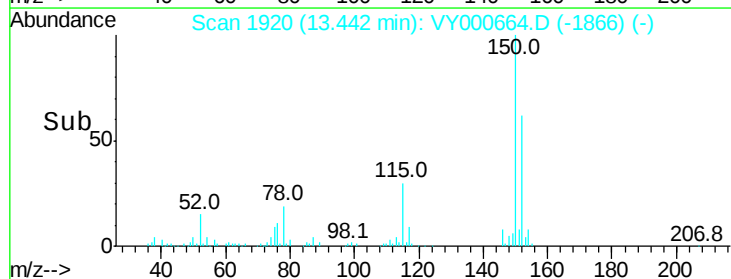
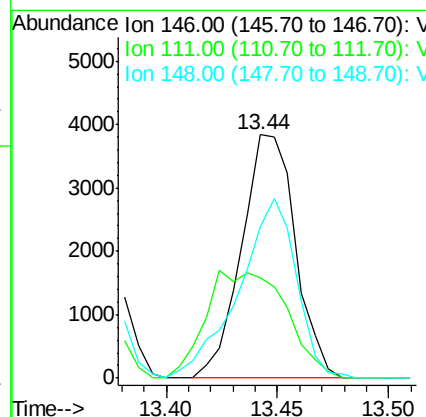
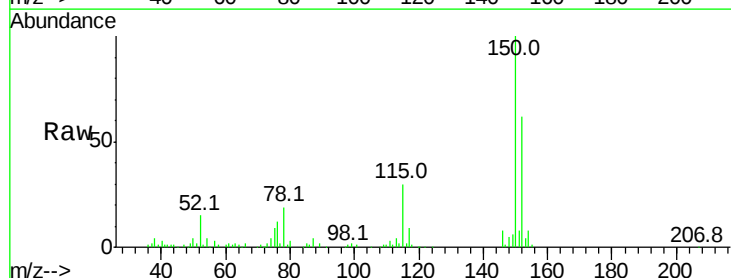
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL01

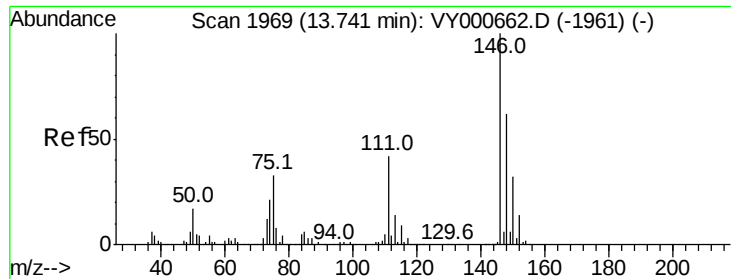
Tgt Ion:146 Resp: 6597
 Ion Ratio Lower Upper
 146 100
 111 36.5 28.8 53.6
 148 70.3 44.3 82.3



#64
 1,4-Dichlorobenzene
 Concen: 0.616 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY000664.D
 Acq: 13 Nov 2019 11:55

Tgt Ion:146 Resp: 6475
 Ion Ratio Lower Upper
 146 100
 111 41.2 26.7 49.5
 148 62.2 45.2 84.0





#65

1,2-Dichlorobenzene

Concen: 0.633 ug/L

RT: 13.74 min Scan# 1968

Delta R.T. -0.01 min

Lab File: VY000664.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

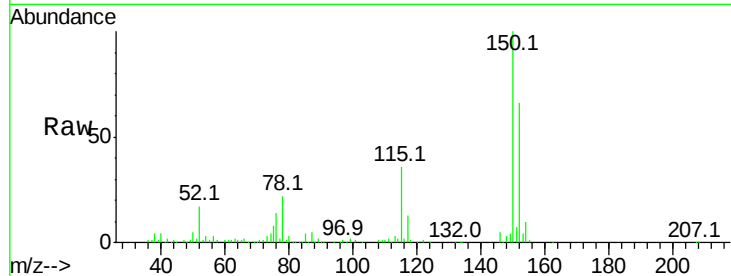
Tgt Ion:146 Resp: 6166

Ion Ratio Lower Upper

146 100

111 47.2 33.8 50.8

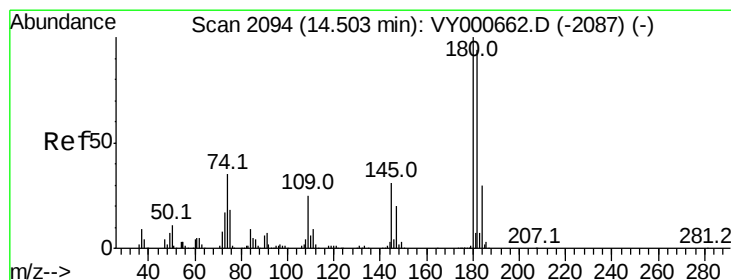
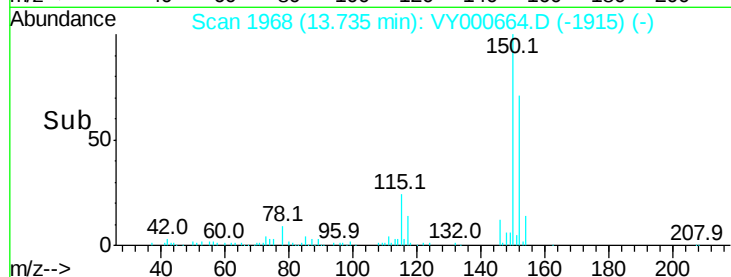
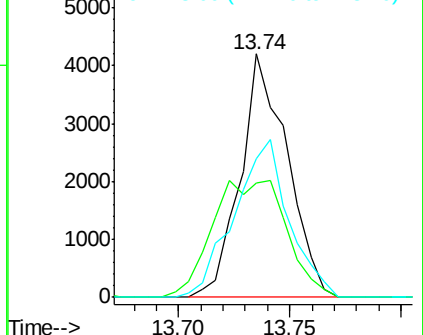
148 56.9 51.0 76.6



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

1,3,5-Trichlorobenzene

Concen: 0.563 ug/L

RT: 14.50 min Scan# 2094

Delta R.T. 0.00 min

Lab File: VY000664.D

Acq: 13 Nov 2019 11:55

Tgt Ion:180 Resp: 4127

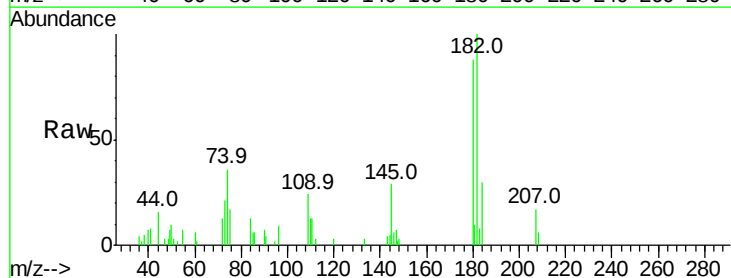
Ion Ratio Lower Upper

180 100

182 103.9 75.6 113.4

184 33.2 24.5 36.7

145 33.1 25.1 37.7

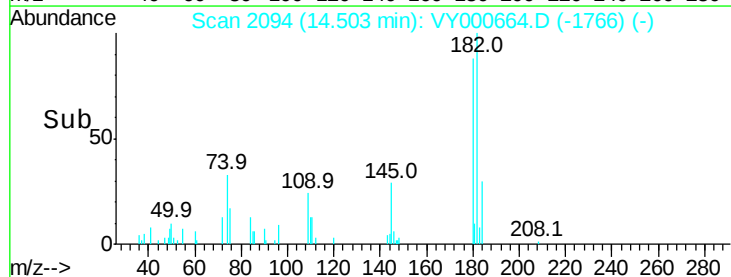
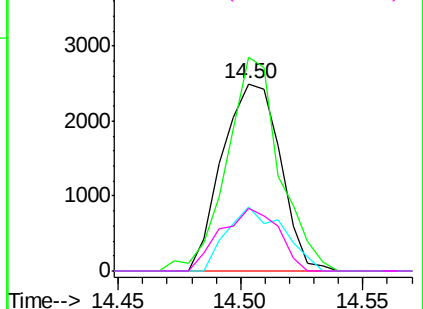


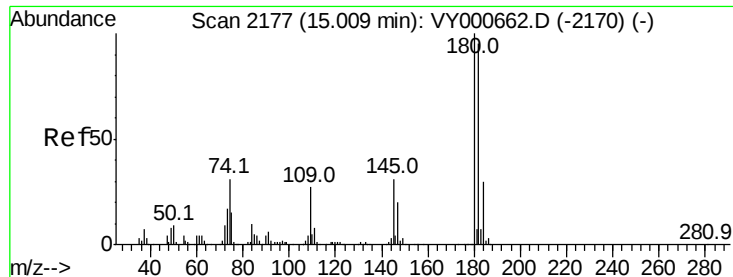
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V





#68

1,2,4-trichlorobenzene

Concen: 0.612 ug/L

RT: 15.01 min Scan# 2177

Delta R.T. 0.01 min

Lab File: VY000664.D

Acq: 13 Nov 2019 11:55

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

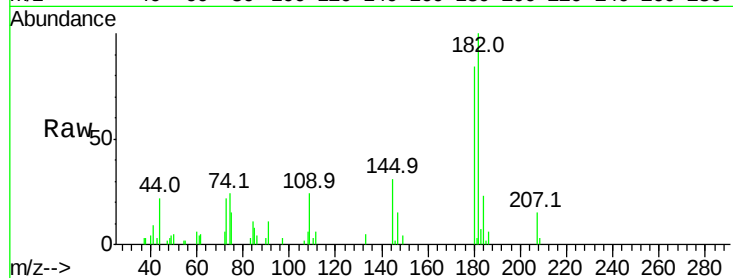
Tgt Ion:180 Resp: 4010

Ion Ratio Lower Upper

180 100

182 106.9 77.5 116.3

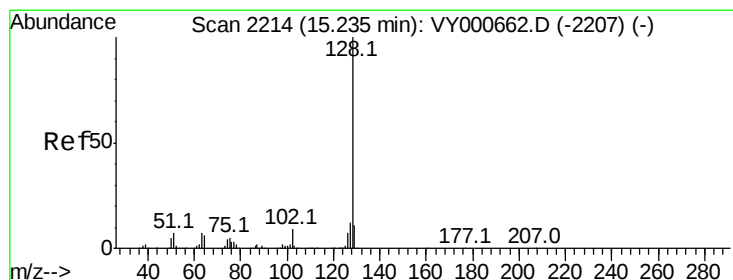
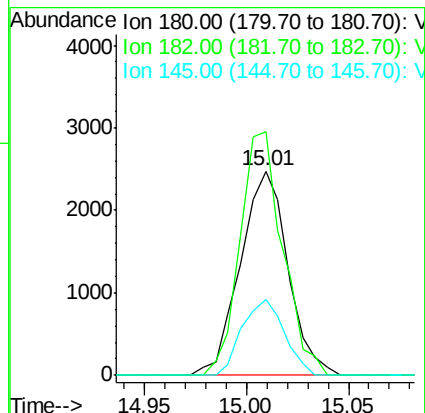
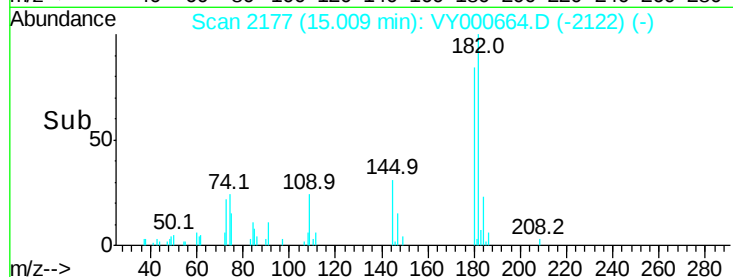
145 32.8 25.4 38.2



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



#69

Naphthalene

Concen: 0.558 ug/L

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY000664.D

Acq: 13 Nov 2019 11:55

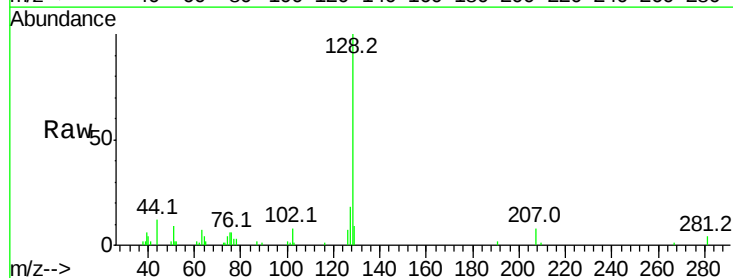
Tgt Ion:128 Resp: 9108

Ion Ratio Lower Upper

128 100

129 7.4 8.4 12.6#

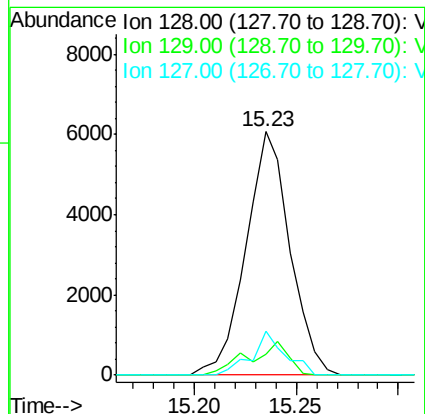
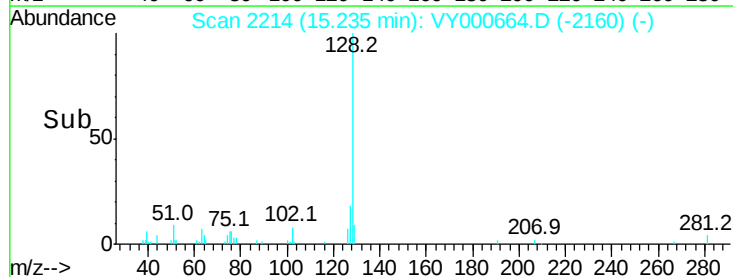
127 13.5 9.8 14.6

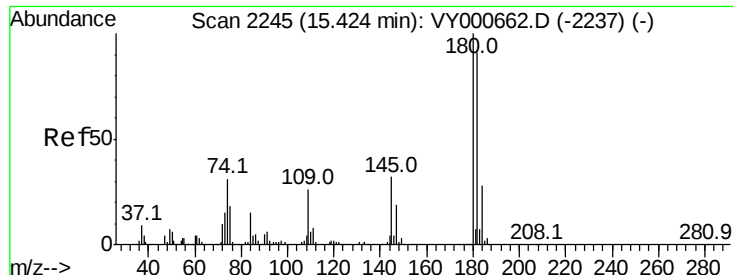


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 0.557 ug/L
 RT: 15.42 min Scan# 2244
 Delta R.T. -0.01 min
 Lab File: VY000664.D
 Acq: 13 Nov 2019 11:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

Tgt Ion:180 Resp: 3390
 Ion Ratio Lower Upper
 180 100
 182 116.6 76.2 114.4#
 145 32.1 26.6 39.8

