

Data File : VY000655.D
Acq On : 12 Nov 2019 14:57
Operator : SY/MD
Sample : MDL03
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MDL03

Quant Time: Nov 13 03:08:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 03:04:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	360711	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	327871	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	150503	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	124051	24.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.40%
7) Chloroethane-d5	2.76	69	107632	23.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.12%
10) 1,1-Dichloroethene-d2	3.85	63	165561	17.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.40%
20) 2-Butanone-d5	6.90	46	81888	38.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.92%
24) Chloroform-d	7.49	84	213054	22.51	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.04%
26) 1,2-Dichloroethane-d4	8.15	65	125492	22.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.48%
29) Benzene-d6	8.12	84	457881	24.05	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.20%
33) 1,2-Dichloropropane-d6	9.13	67	142488	23.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.52%
37) Toluene-d8	10.18	98	418915	23.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.20%
38) trans-1,3-Dichloropropene-	10.44	79	63396	22.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.08%
39) 2-Hexanone-d5	10.79	63	66291	41.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.20%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	115506	19.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.60%
61) 1,2-Dichlorobenzene-d4	13.72	152	142848	23.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.92%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	5456	1.145 ug/L	99
5) Vinyl chloride	2.25	62	6703	1.124 ug/L #	69
6) Bromomethane	2.65	94	3920	1.204 ug/L	84
8) Chloroethane	2.80	64	3838	1.026 ug/L	96
9) Trichlorofluoromethane	3.13	101	6744	0.798 ug/L	80
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	4631	0.967 ug/L #	81
12) 1,1-Dichloroethene	3.87	96	3708	0.793 ug/L #	1
14) Carbon disulfide	4.19	76	14376	0.996 ug/L	95
16) Methylene chloride	4.72	84	11416	1.917 ug/L	96
18) trans-1,2-Dichloroethene	5.23	96	3978	0.762 ug/L	92
19) 1,1-Dichloroethane	6.03	63	8619	0.938 ug/L #	88
22) cis-1,2-Dichloroethene	7.00	96	6314	1.093 ug/L	88
23) Bromochloromethane	7.35	128	2262	0.897 ug/L	90
25) Chloroform	7.52	83	17342	1.751 ug/L	79
27) 1,2-Dichloroethane	8.25	62	6445	0.973 ug/L #	87
30) Cyclohexane	7.78	56	9176	1.026 ug/L	91
31) 1,1,1-Trichloroethane	7.71	97	5067	0.627 ug/L #	70

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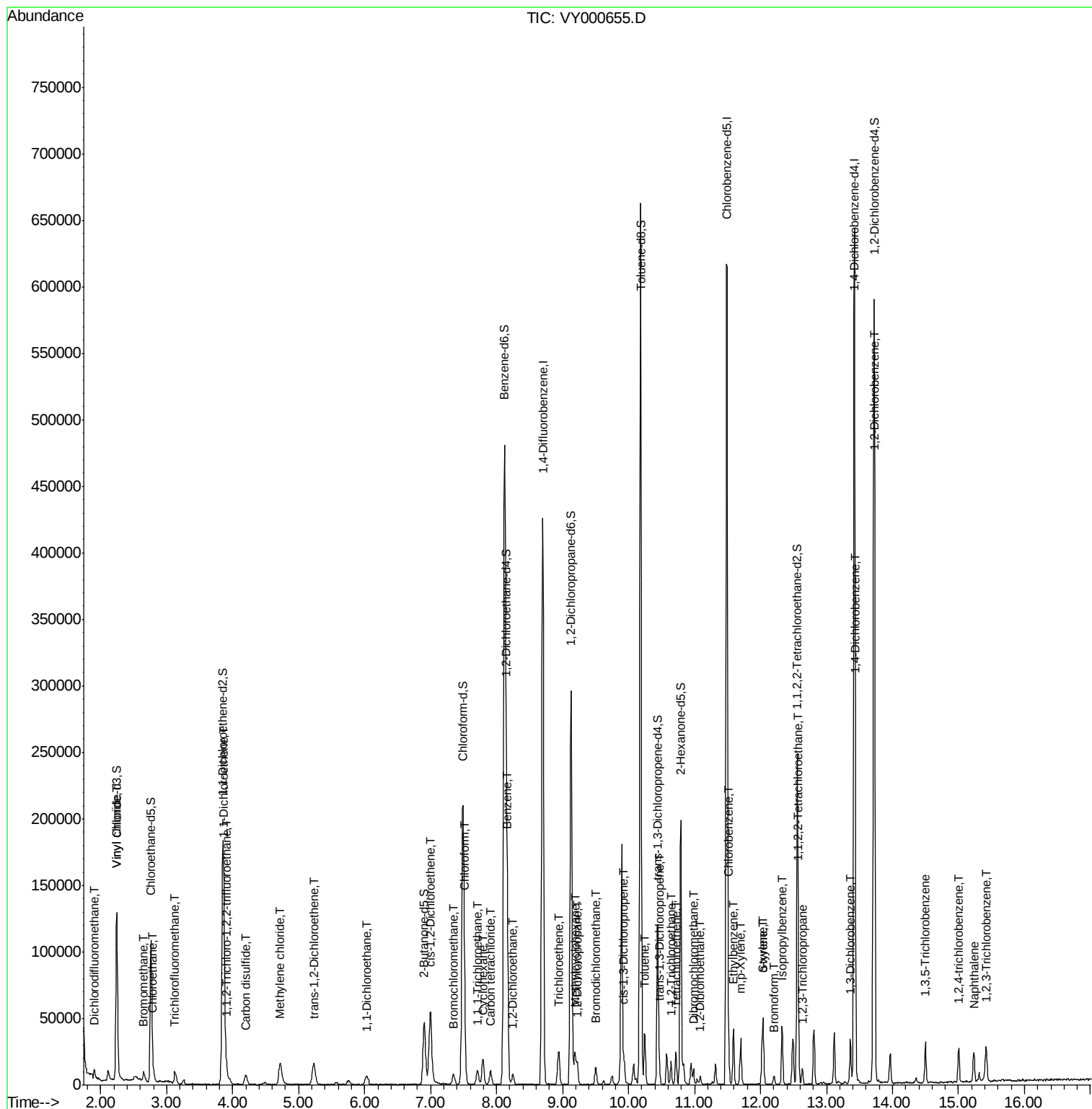
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Carbon tetrachloride	7.91	117	7315	1.039	ug/L	90
34) Benzene	8.17	78	23940	1.117	ug/L	100
35) Trichloroethene	8.94	95	5728	1.019	ug/L	90
36) Methylcyclohexane	9.19	83	9452	0.983	ug/L	97
40) 1,2-Dichloropropane	9.22	63	5638	1.038	ug/L	99
41) Bromodichloromethane	9.50	83	8019	1.147	ug/L	85
42) cis-1,3-Dichloropropene	9.92	75	9291	1.062	ug/L	91
44) Toluene	10.25	91	24787	1.070	ug/L	96
45) trans-1,3-Dichloropropene	10.47	75	10319	1.373	ug/L	95
46) 1,1,2-Trichloroethane	10.64	97	4891	1.098	ug/L	94
47) Tetrachloroethene	10.72	164	4328	1.031	ug/L	82
50) Dibromochloromethane	10.99	129	4293	0.853	ug/L	90
51) 1,2-Dibromoethane	11.10	107	4032	0.930	ug/L #	82
52) Chlorobenzene	11.52	112	15133	1.029	ug/L #	88
53) Ethylbenzene	11.59	91	26801	1.022	ug/L	91
54) m,p-Xylene	11.70	106	9776	0.985	ug/L	97
55) o-xylene	12.03	106	9493	0.975	ug/L	86
56) Styrene	12.04	104	15736	0.973	ug/L	99
57) Isopropylbenzene	12.33	105	26128	1.031	ug/L	96
58) 1,1,2,2-Tetrachloroethane	12.58	83	5482	0.986	ug/L #	78
59) 1,2,3-Trichloropropane	12.63	75	4365	0.966	ug/L	98
62) Bromoform	12.20	173	2909	1.018	ug/L #	95
63) 1,3-Dichlorobenzene	13.36	146	11972	1.115	ug/L	98
64) 1,4-Dichlorobenzene	13.44	146	12450	1.160	ug/L	99
65) 1,2-Dichlorobenzene	13.74	146	12404	1.248	ug/L #	87
67) 1,3,5-Trichlorobenzene	14.50	180	8837	1.181	ug/L	94
68) 1,2,4-trichlorobenzene	15.00	180	7892	1.180	ug/L	96
69) Naphthalene	15.23	128	17484	1.049	ug/L	97
70) 1,2,3-Trichlorobenzene	15.42	180	7307	1.175	ug/L	93

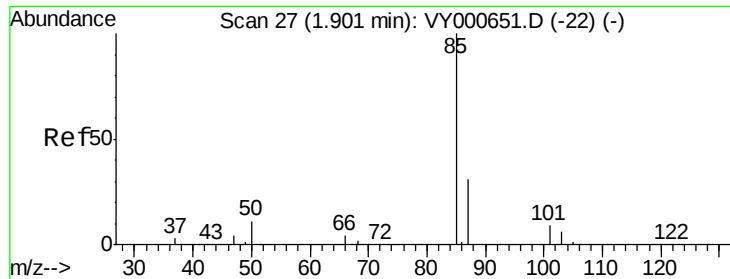
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.145 ug/L

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000655.D

Acq: 12 Nov 2019 14:57

Instrument :

MSVOA_Y

ClientSampleId :

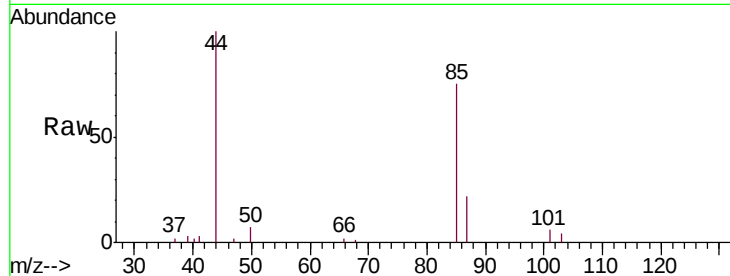
MDL03

Tgt Ion: 85 Resp: 5456

Ion Ratio Lower Upper

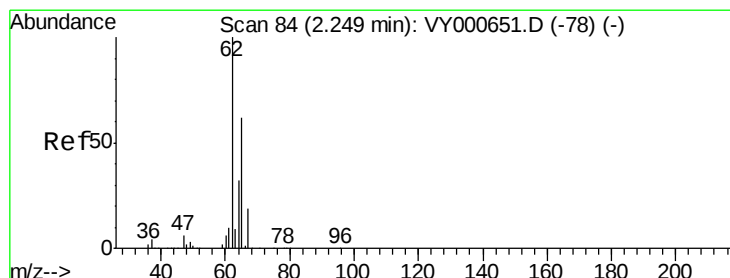
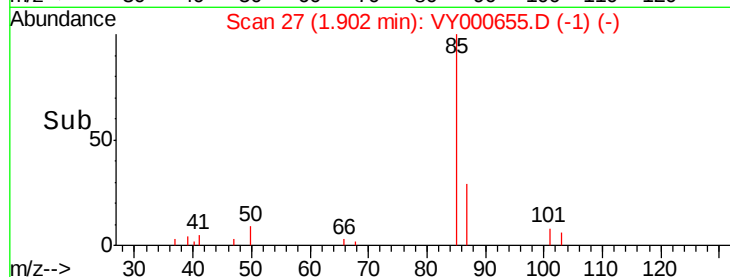
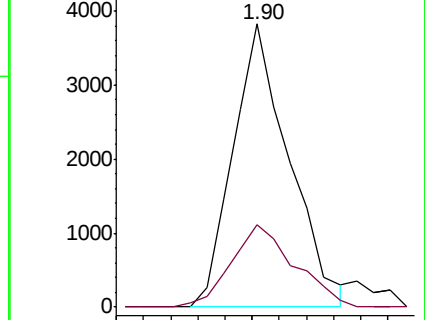
85 100

87 32.9 22.7 42.1



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#5

Vinyl chloride

Concen: 1.124 ug/L

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000655.D

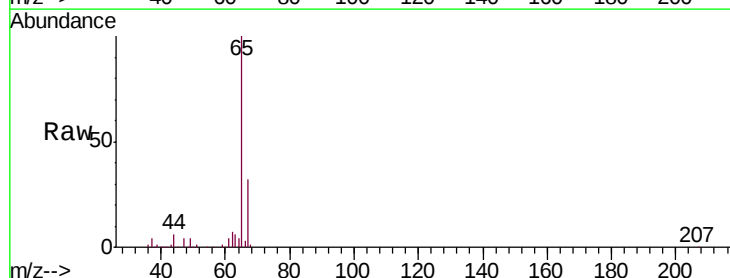
Acq: 12 Nov 2019 14:57

Tgt Ion: 62 Resp: 6703

Ion Ratio Lower Upper

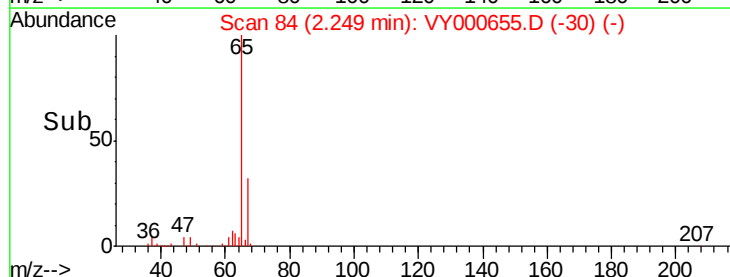
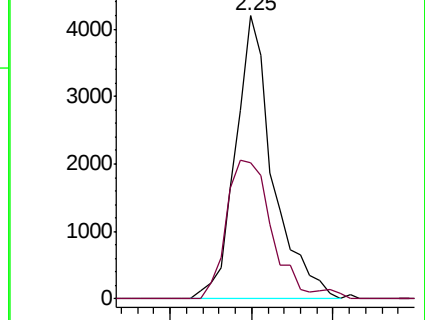
62 100

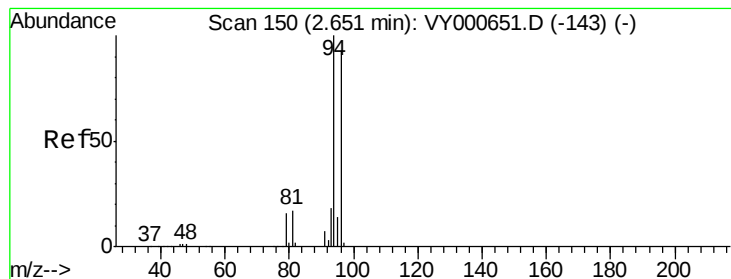
64 48.3 22.0 40.8#



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0





#6

Bromomethane

Concen: 1.204 ug/L

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY000655.D

Acq: 12 Nov 2019 14:57

Instrument :

MSVOA_Y

ClientSampleId :

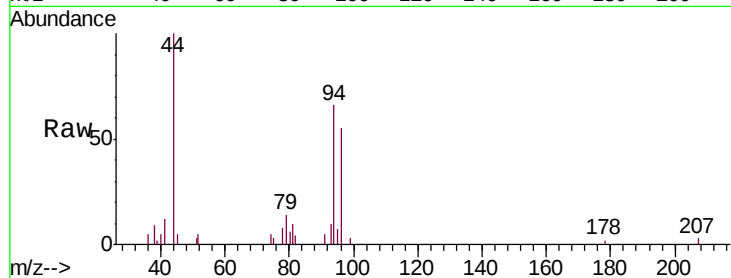
MDL03

Tgt Ion: 94 Resp: 3920

Ion Ratio Lower Upper

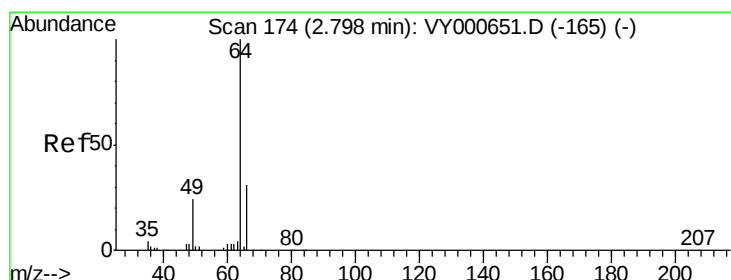
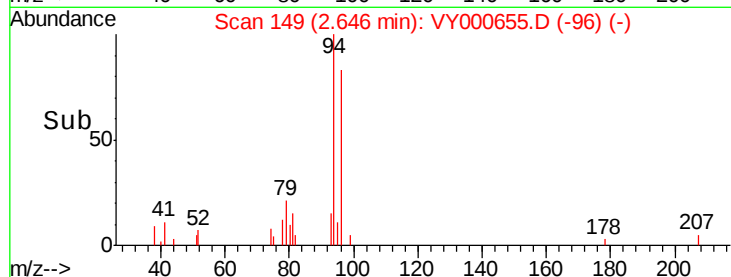
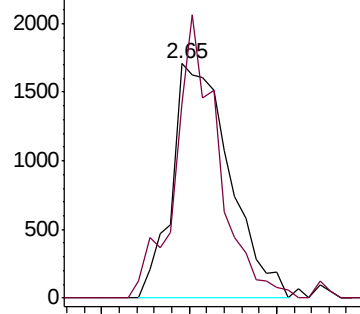
94 100

96 81.5 9.8 185.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0



#8

Chloroethane

Concen: 1.026 ug/L

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY000655.D

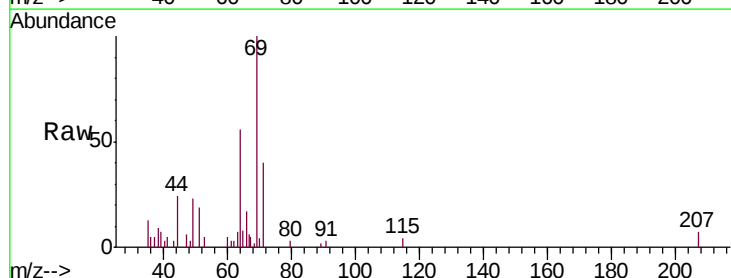
Acq: 12 Nov 2019 14:57

Tgt Ion: 64 Resp: 3838

Ion Ratio Lower Upper

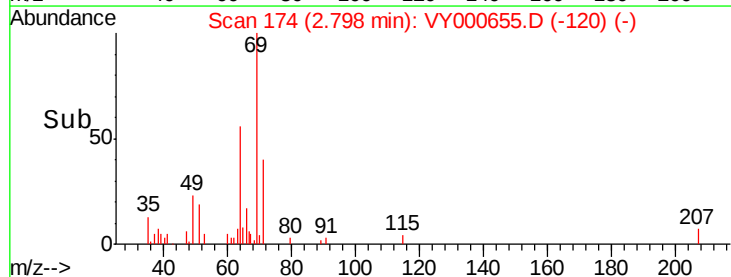
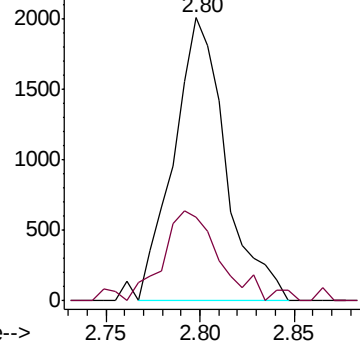
64 100

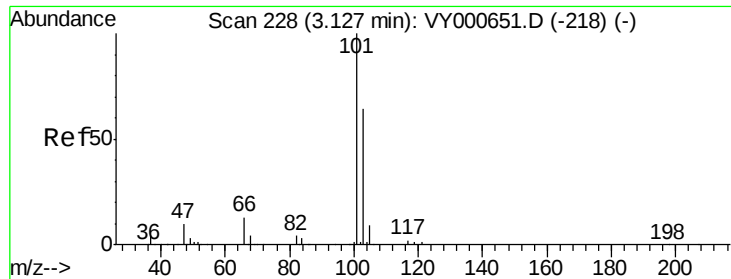
66 29.6 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0



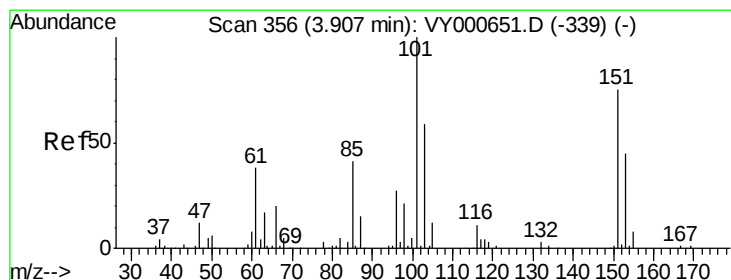
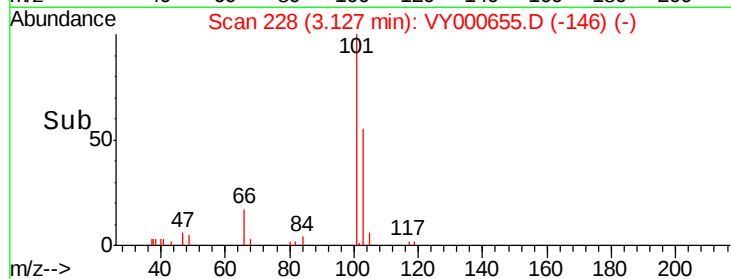
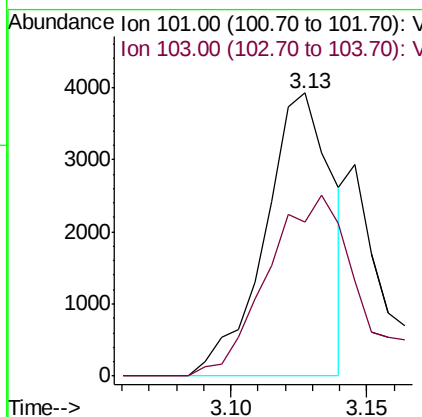
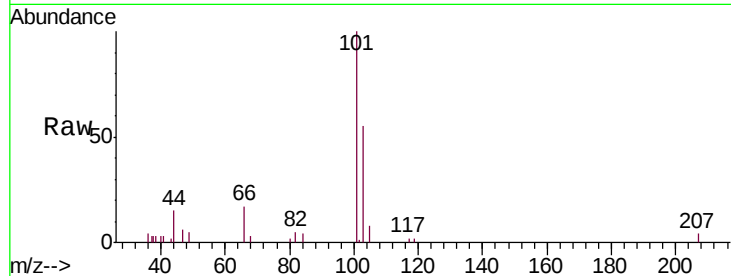


#9

Trichlorofluoromethane
 Concen: 0.798 ug/L
 RT: 3.13 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VY000655.D
 Acq: 12 Nov 2019 14:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

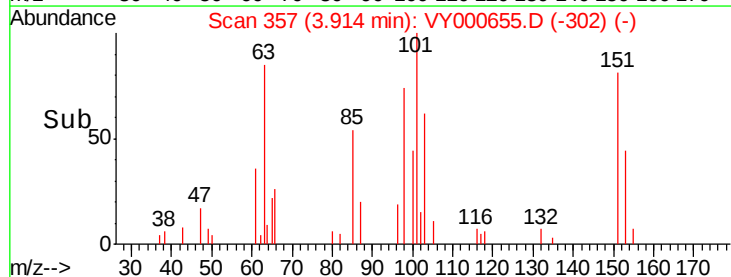
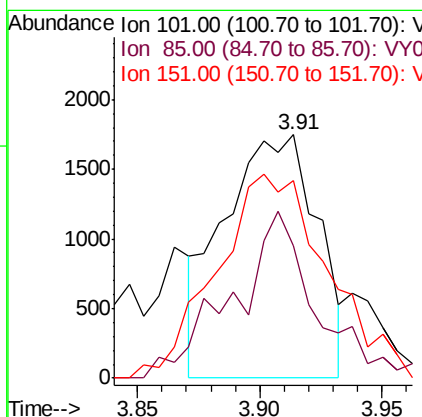
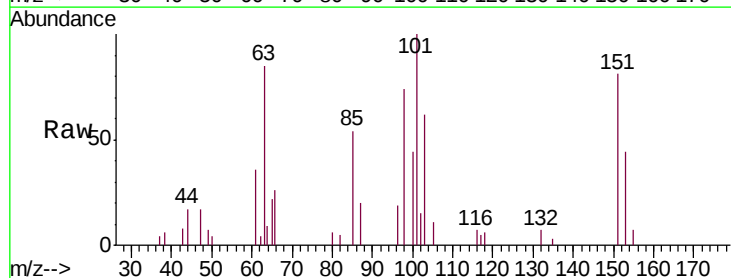
Tgt Ion:101 Resp: 6744
 Ion Ratio Lower Upper
 101 100
 103 80.8 45.8 85.0

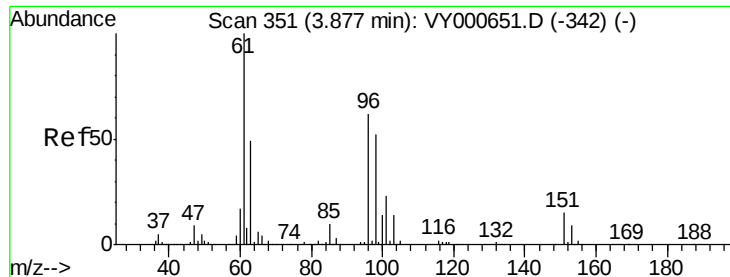


#11

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.967 ug/L
 RT: 3.91 min Scan# 357
 Delta R.T. 0.01 min
 Lab File: VY000655.D
 Acq: 12 Nov 2019 14:57

Tgt Ion:101 Resp: 4631
 Ion Ratio Lower Upper
 101 100
 85 34.4 35.3 52.9#
 151 59.1 61.9 92.9#





#12

1,1-Dichloroethene

Concen: 0.793 ug/L

RT: 3.87 min Scan# 350

Delta R.T. -0.01 min

Lab File: VY000655.D

Acq: 12 Nov 2019 14:57

Instrument :

MSVOA_Y

ClientSampled :

MDL03

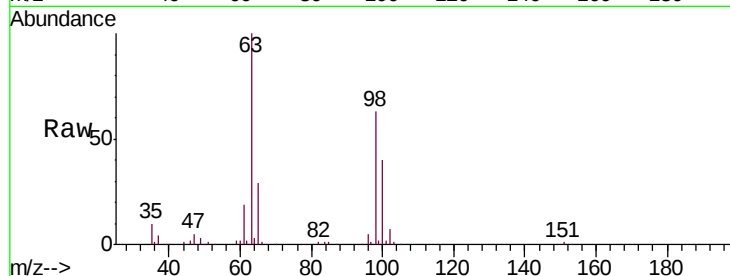
Tgt Ion: 96 Resp: 3708

Ion Ratio Lower Upper

96 100

61 370.6 113.5 210.9#

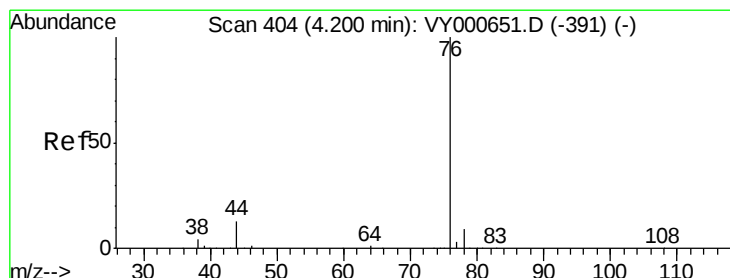
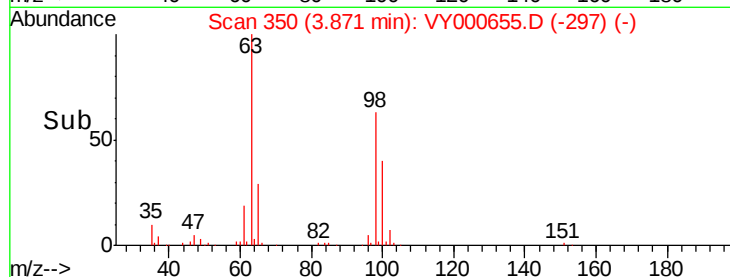
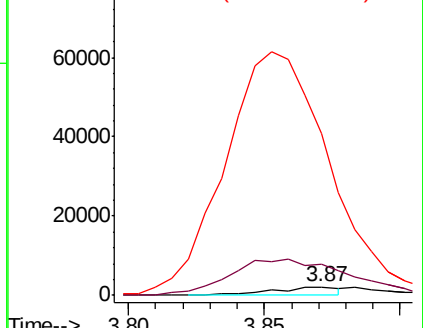
63 1959.7 94.3 175.1#



Abundance Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 63.00 (62.70 to 63.70): VY0



#14

Carbon disulfide

Concen: 0.996 ug/L

RT: 4.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: VY000655.D

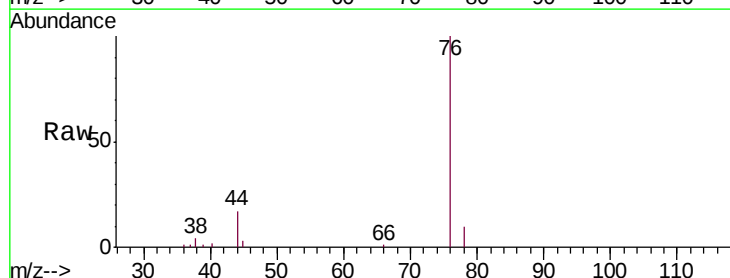
Acq: 12 Nov 2019 14:57

Tgt Ion: 76 Resp: 14376

Ion Ratio Lower Upper

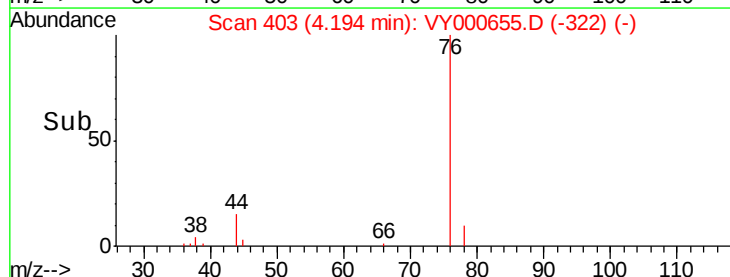
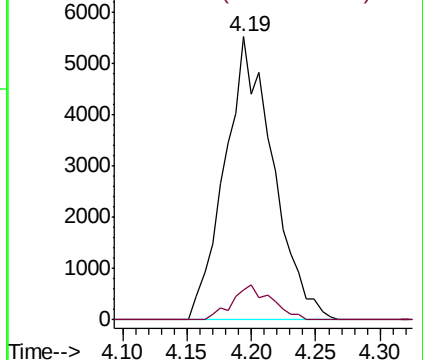
76 100

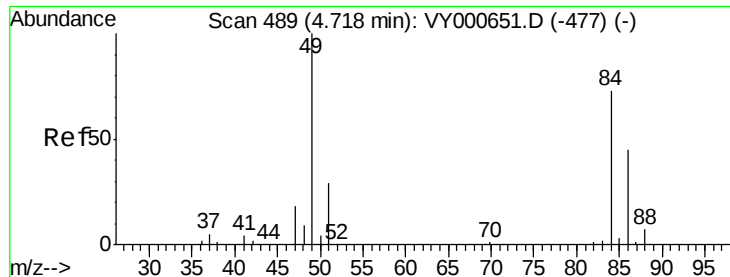
78 10.5 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

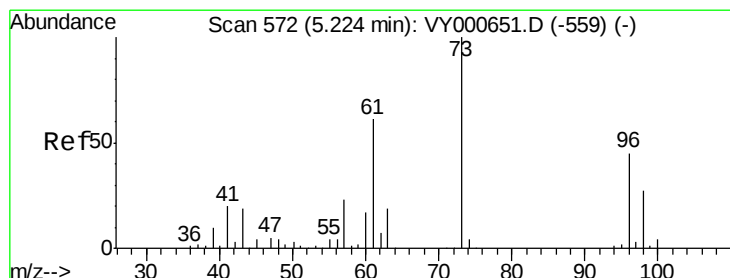
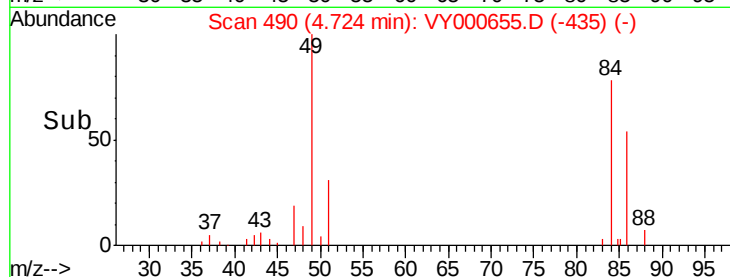
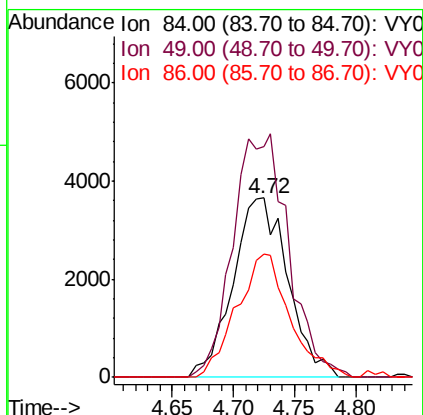
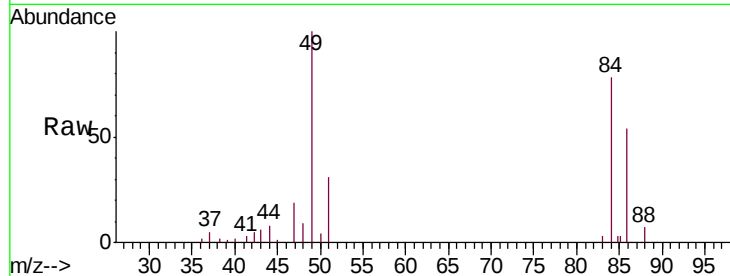




#16
Methylene chloride
Concen: 1.917 ug/L
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000655.D
Acq: 12 Nov 2019 14:57

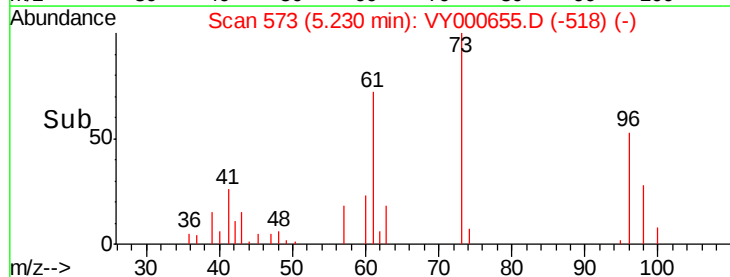
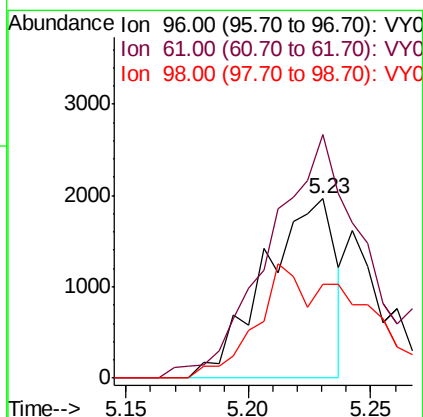
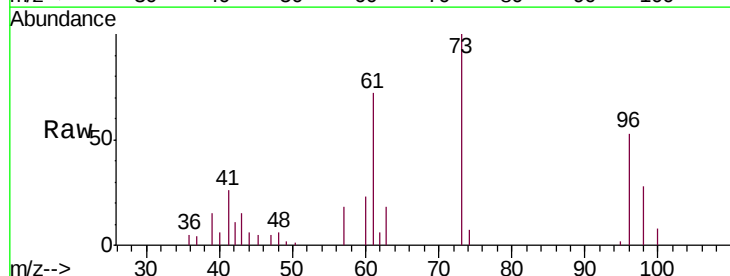
Instrument :
MSVOA_Y
ClientSampleId :
MDL03

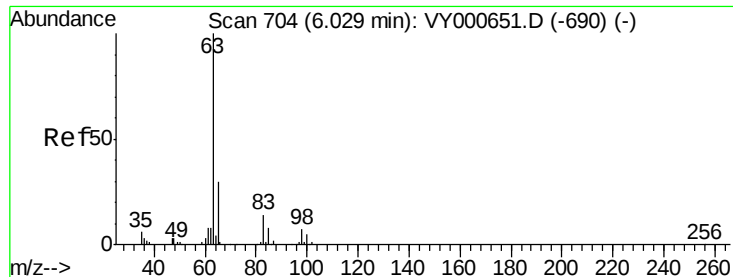
Tgt Ion: 84 Resp: 11416
Ion Ratio Lower Upper
84 100
49 129.0 88.8 165.0
86 69.2 43.9 81.5



#18
trans-1,2-Dichloroethene
Concen: 0.762 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000655.D
Acq: 12 Nov 2019 14:57

Tgt Ion: 96 Resp: 3978
Ion Ratio Lower Upper
96 100
61 135.7 91.8 170.4
98 52.4 46.3 85.9





#19

1,1-Dichloroethane

Concen: 0.938 ug/L

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY000655.D

Acq: 12 Nov 2019 14:57

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ClientSampleId :

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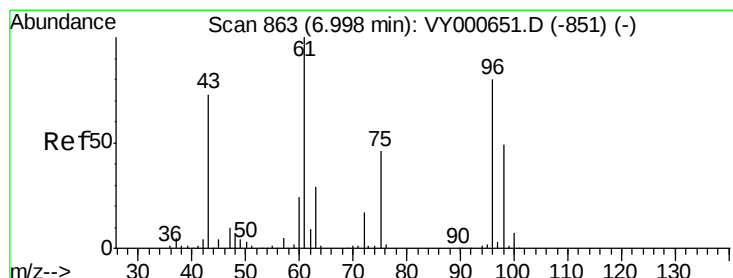
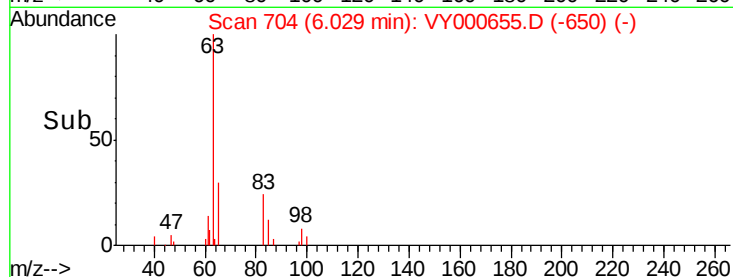
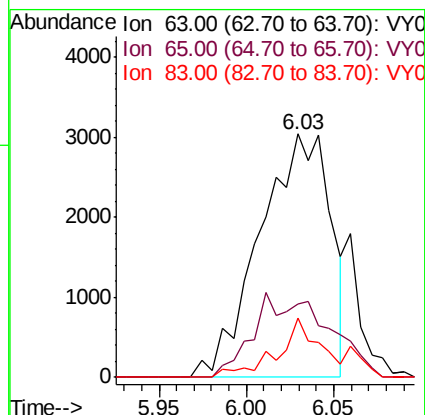
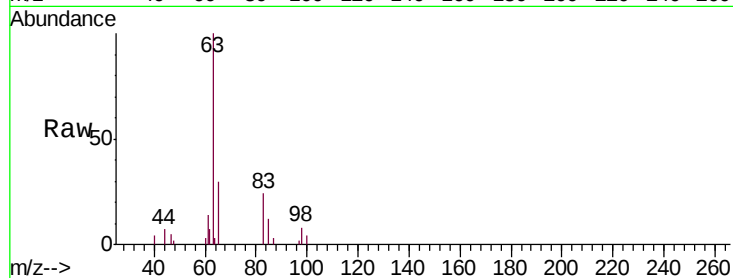
Tgt Ion: 63 Resp: 8619

Ion Ratio Lower Upper

63 100

65 30.1 23.9 44.5

83 24.5 10.1 18.9#



#22

cis-1,2-Dichloroethene

Concen: 1.093 ug/L

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY000655.D

Acq: 12 Nov 2019 14:57

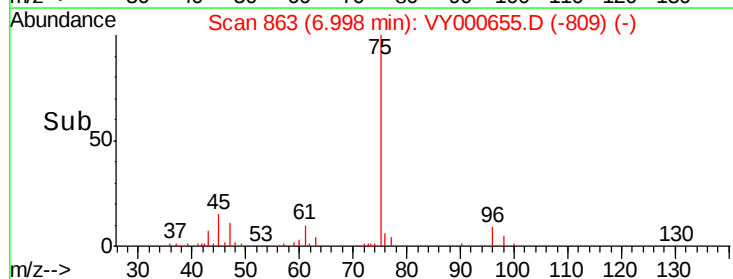
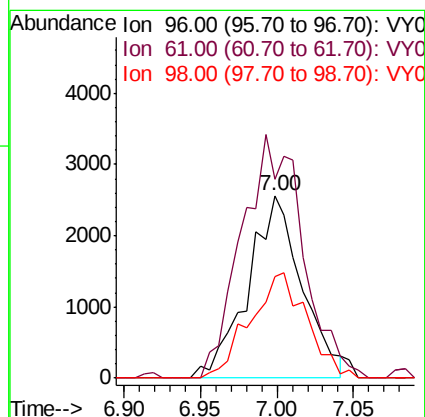
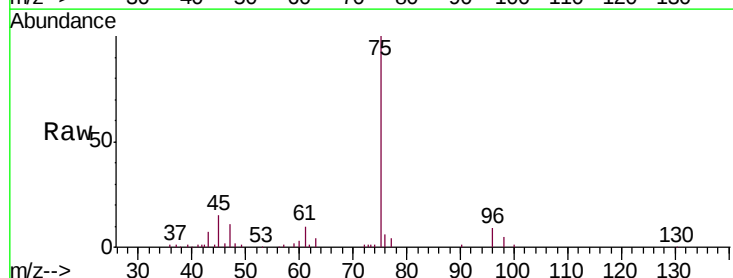
Tgt Ion: 96 Resp: 6314

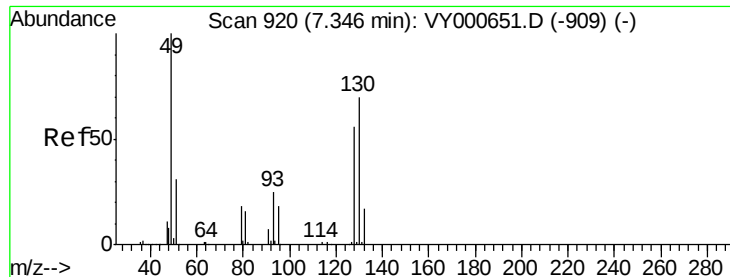
Ion Ratio Lower Upper

96 100

61 108.8 86.8 161.2

98 55.8 44.6 82.8





#23

Bromochloromethane

Concen: 0.897 ug/L

RT: 7.35 min Scan# 920

Delta R.T. 0.00 min

Lab File: VY000655.D

Acq: 12 Nov 2019 14:57

Instrument :
MSVOA_Y
ClientSampleId :
MDL03

Tgt Ion:128 Resp: 2262

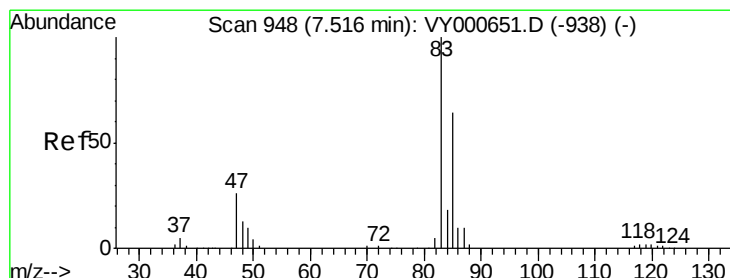
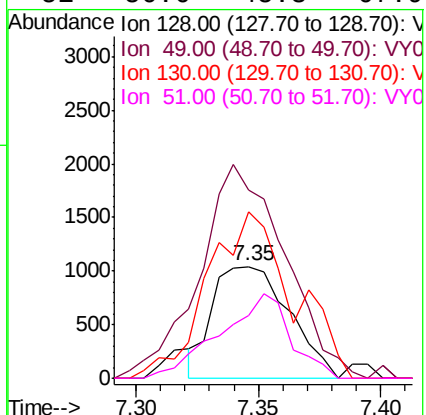
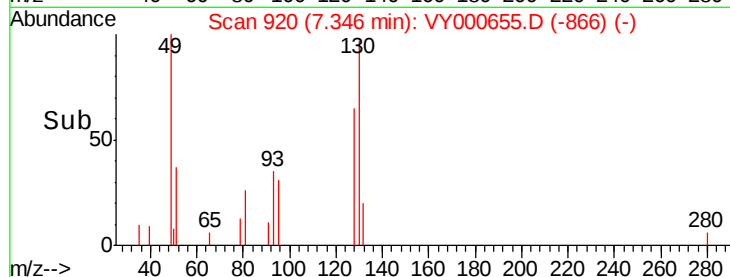
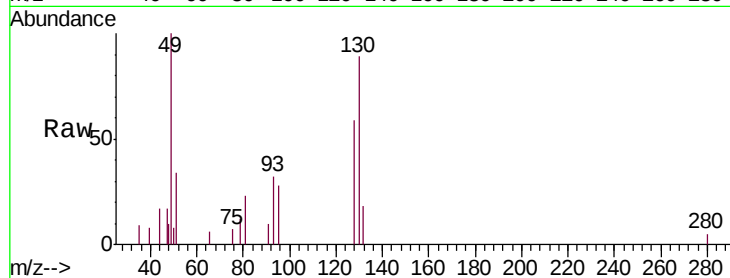
Ion Ratio Lower Upper

128 100

49 168.4 131.5 244.3

130 149.0 96.7 179.5

51 56.6 45.3 67.9



#25

Chloroform

Concen: 1.751 ug/L

RT: 7.52 min Scan# 948

Delta R.T. 0.00 min

Lab File: VY000655.D

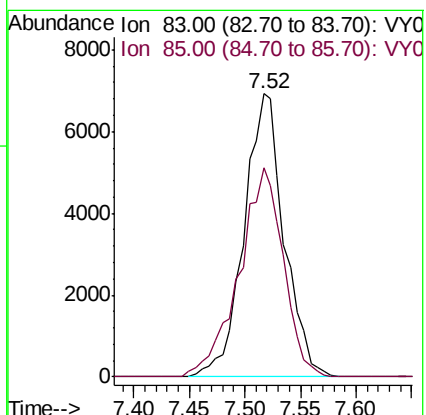
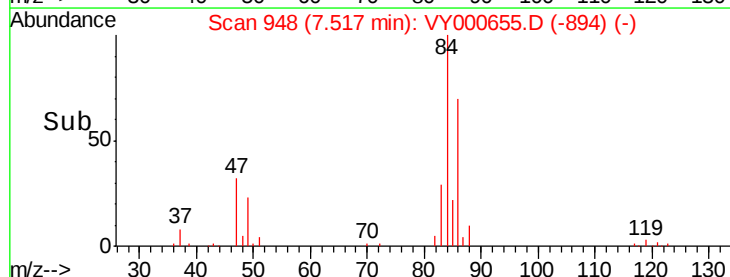
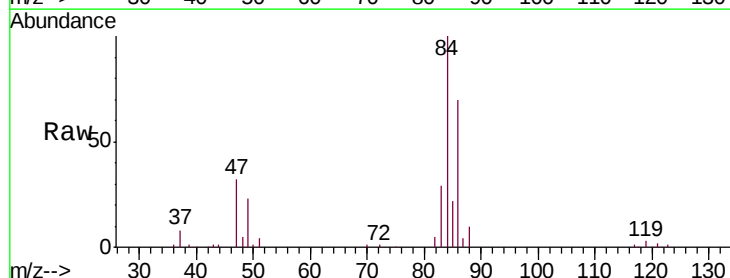
Acq: 12 Nov 2019 14:57

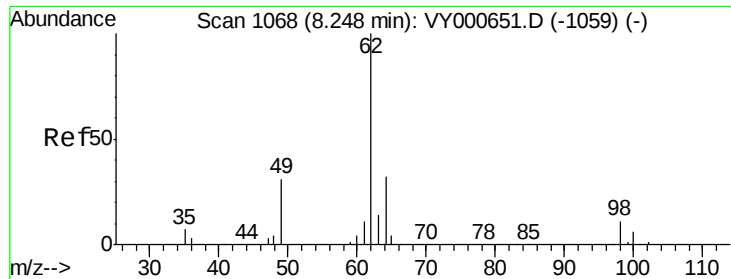
Tgt Ion: 83 Resp: 17342

Ion Ratio Lower Upper

83 100

85 81.5 45.6 84.6

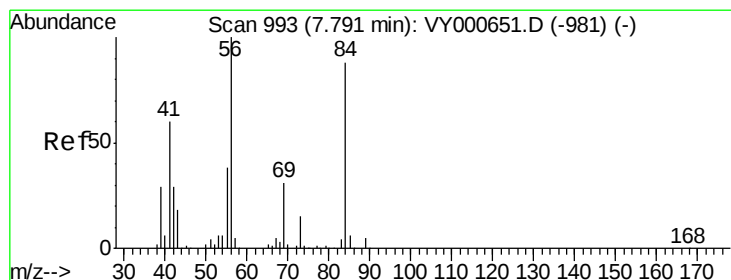
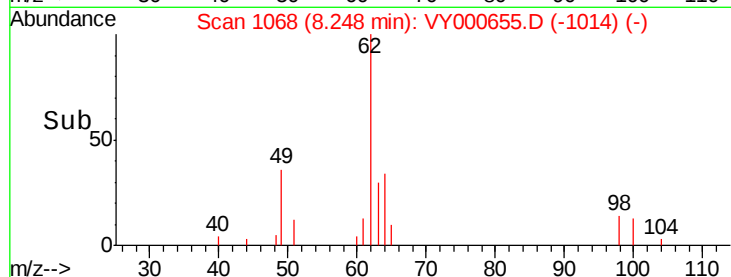
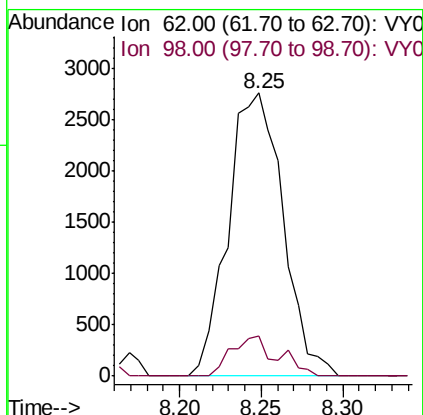
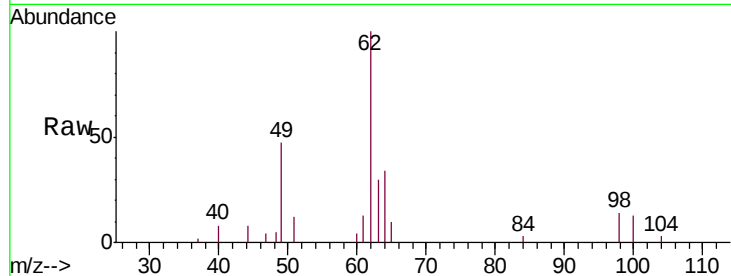




#27
 1,2-Dichloroethane
 Concen: 0.973 ug/L
 RT: 8.25 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VY000655.D
 Acq: 12 Nov 2019 14:57

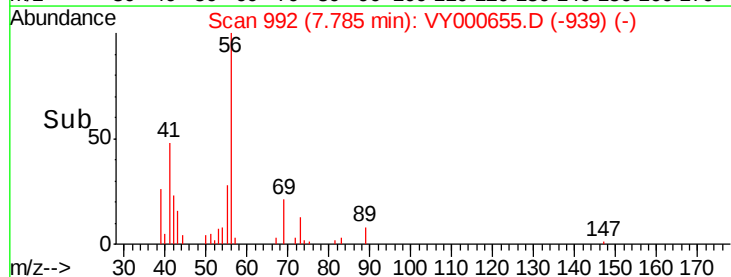
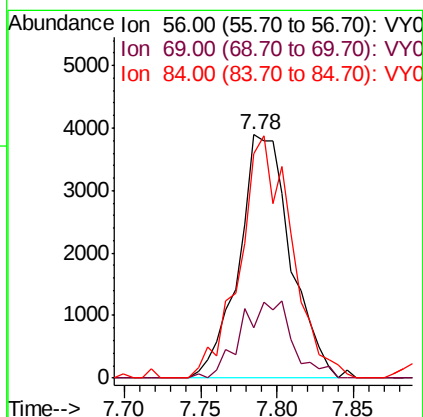
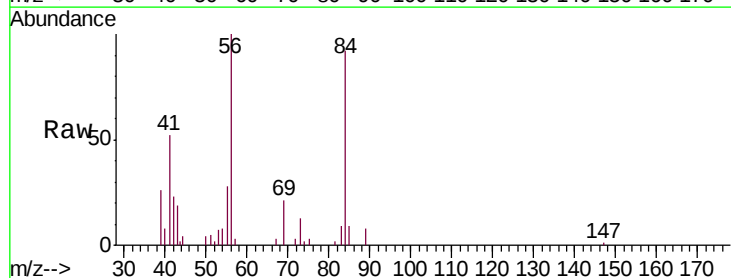
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL03

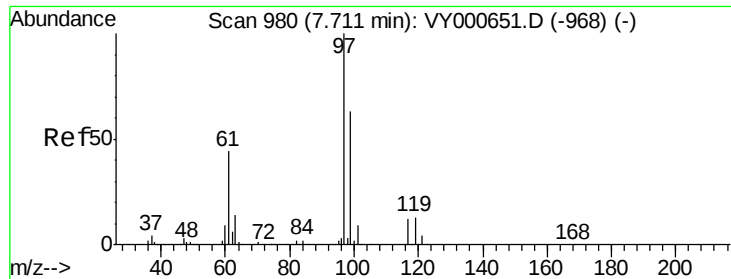
Tgt Ion: 62 Resp: 6445
 Ion Ratio Lower Upper
 62 100
 98 14.1 7.5 11.3#



#30
 Cyclohexane
 Concen: 1.026 ug/L
 RT: 7.78 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VY000655.D
 Acq: 12 Nov 2019 14:57

Tgt Ion: 56 Resp: 9176
 Ion Ratio Lower Upper
 56 100
 69 31.2 24.1 36.1
 84 98.7 70.2 105.4





#31

1,1,1-Trichloroethane

Concen: 0.627 ug/L

RT: 7.71 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY000655.D

Acq: 12 Nov 2019 14:57

Instrument :

MSVOA_Y

ClientSampleId :

MDL03

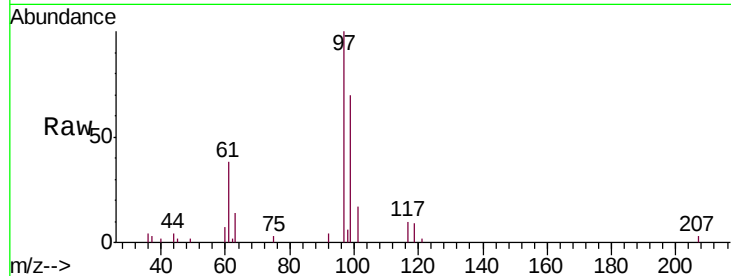
Tgt Ion: 97 Resp: 5067

Ion Ratio Lower Upper

97 100

99 60.5 51.4 77.0

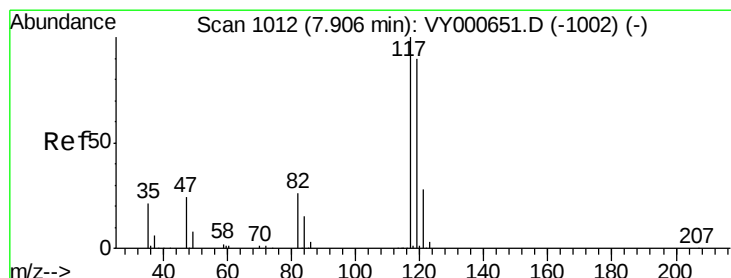
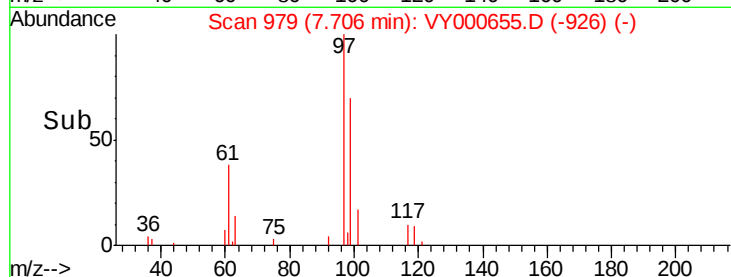
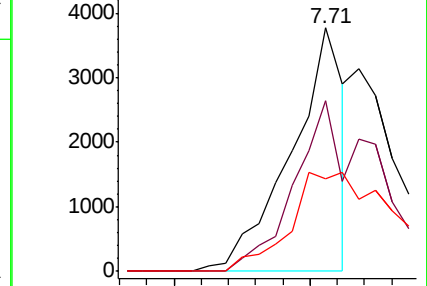
61 0.0 34.7 52.1#



Abundance Ion 97.00 (96.70 to 97.70): VY000651.D (-968) (-)

Ion 99.00 (98.70 to 99.70): VY000651.D (-968) (-)

Ion 61.00 (60.70 to 61.70): VY000651.D (-968) (-)



#32

Carbon tetrachloride

Concen: 1.039 ug/L

RT: 7.91 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VY000655.D

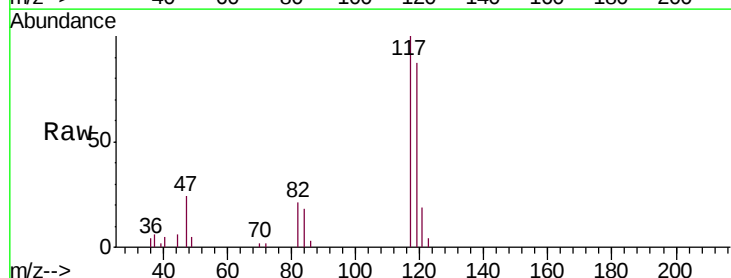
Acq: 12 Nov 2019 14:57

Tgt Ion: 117 Resp: 7315

Ion Ratio Lower Upper

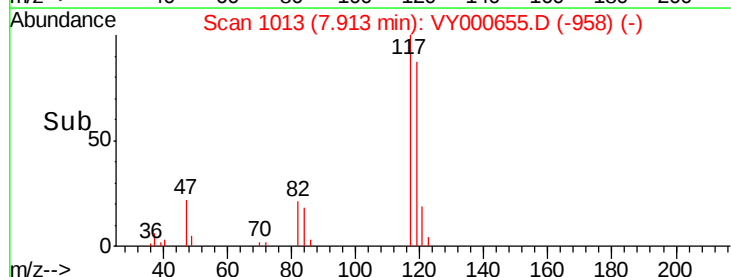
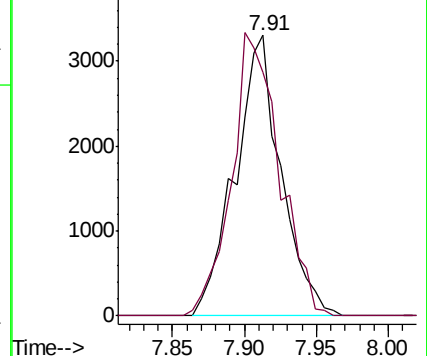
117 100

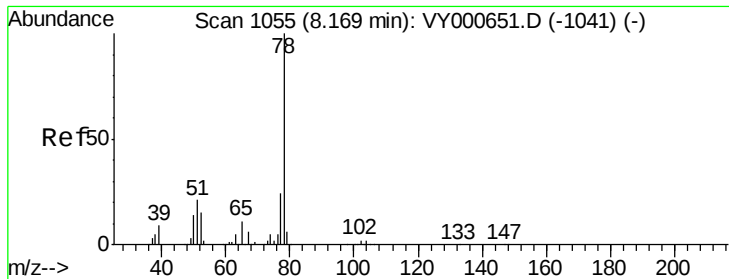
119 104.7 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): VY000651.D (-1002) (-)

Ion 119.00 (118.70 to 119.70): VY000651.D (-1002) (-)





#34

Benzene

Concen: 1.117 ug/L

RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VY000655.D

Acq: 12 Nov 2019 14:57

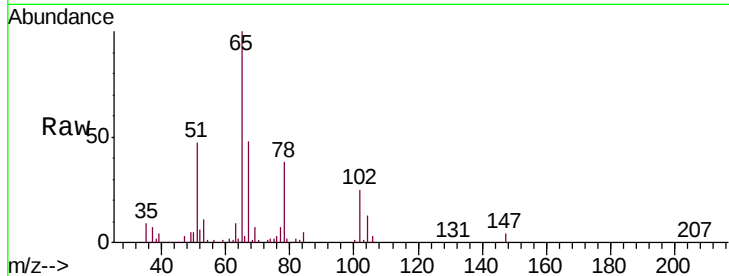
Instrument :

MSVOA_Y

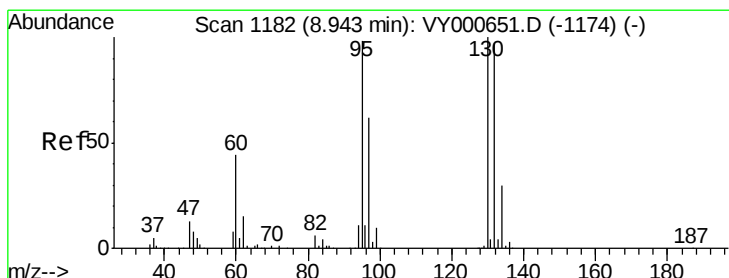
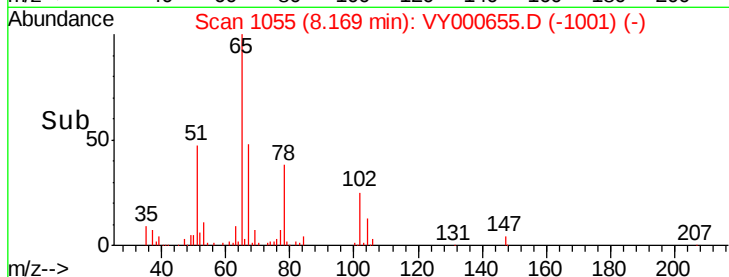
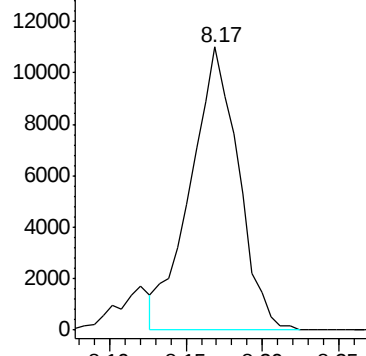
ClientSampleId :

MDL03

Tgt Ion: 78 Resp: 23940



Abundance Ion 78.00 (77.70 to 78.70): VY0



#35

Trichloroethene

Concen: 1.019 ug/L

RT: 8.94 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VY000655.D

Acq: 12 Nov 2019 14:57

Tgt Ion: 95 Resp: 5728

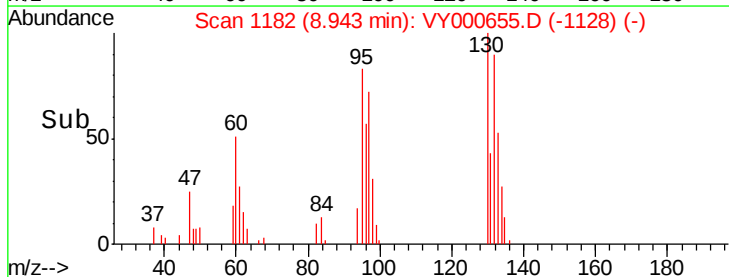
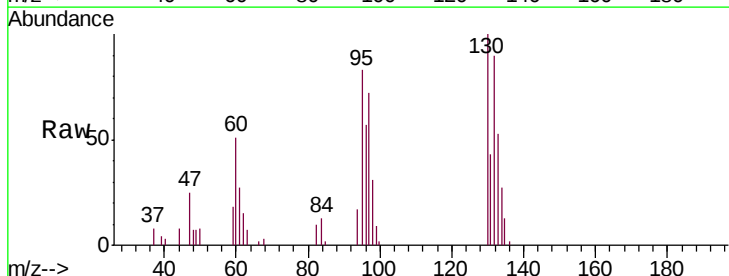
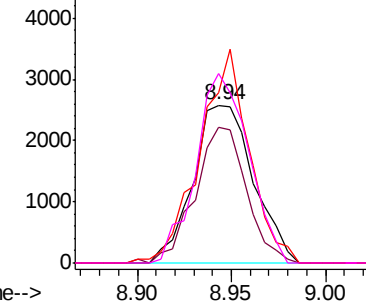
Ion	Ratio	Lower	Upper
95	100		
97	73.2	44.4	82.4
132	110.9	66.8	124.0
130	104.8	70.9	131.7

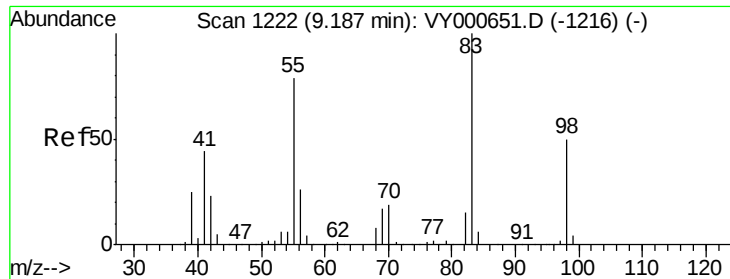
Abundance Ion 95.00 (94.70 to 95.70): VY0

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

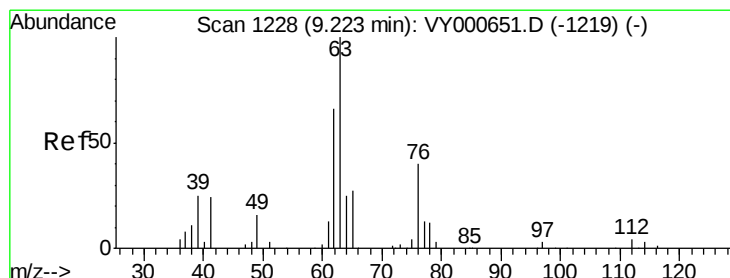
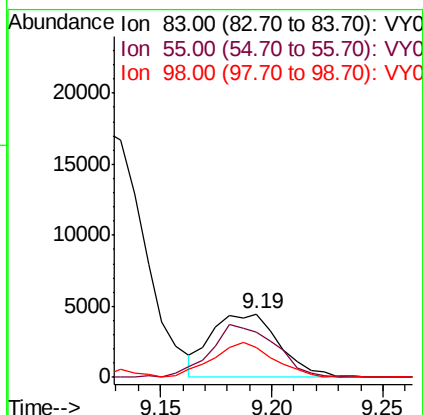
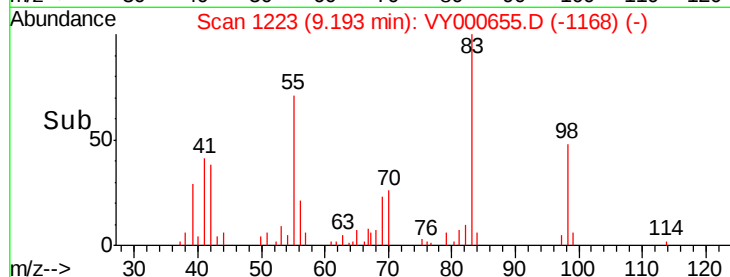
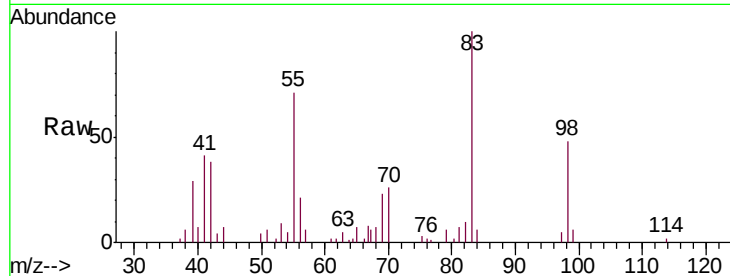




#36
Methylcyclohexane
Concen: 0.983 ug/L
RT: 9.19 min Scan# 1223
Delta R.T. 0.01 min
Lab File: VY000655.D
Acq: 12 Nov 2019 14:57

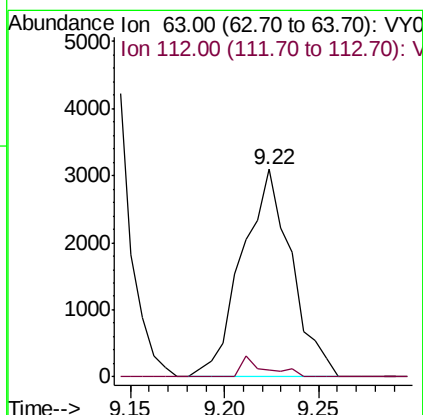
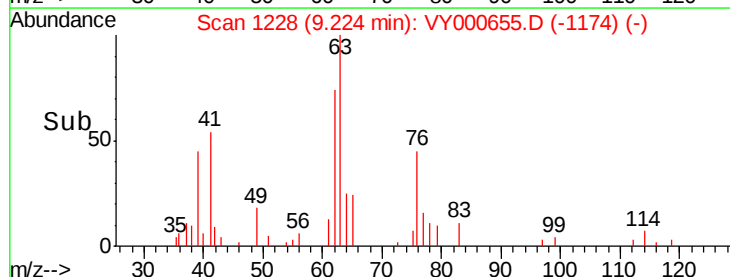
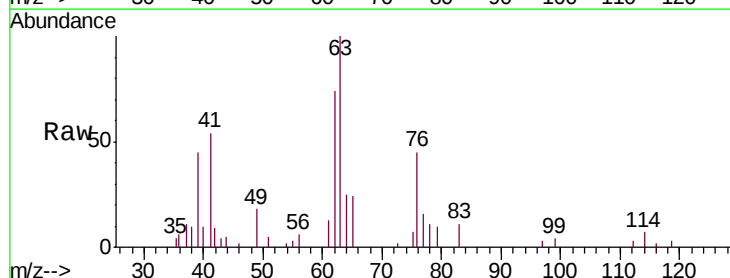
Instrument :
MSVOA_Y
ClientSampleId :
MDL03

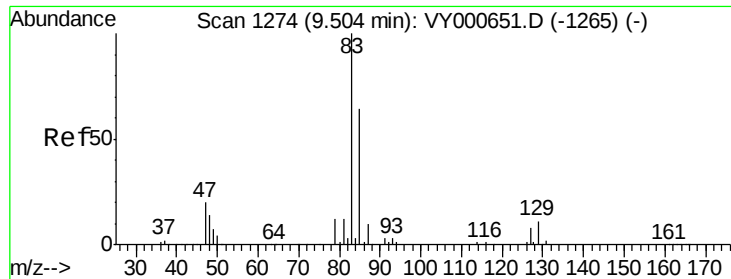
Tgt Ion: 83 Resp: 9452
Ion Ratio Lower Upper
83 100
55 78.8 60.0 90.0
98 49.8 40.2 60.2



#40
1,2-Dichloropropane
Concen: 1.038 ug/L
RT: 9.22 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VY000655.D
Acq: 12 Nov 2019 14:57

Tgt Ion: 63 Resp: 5638
Ion Ratio Lower Upper
63 100
112 3.8 3.2 4.8

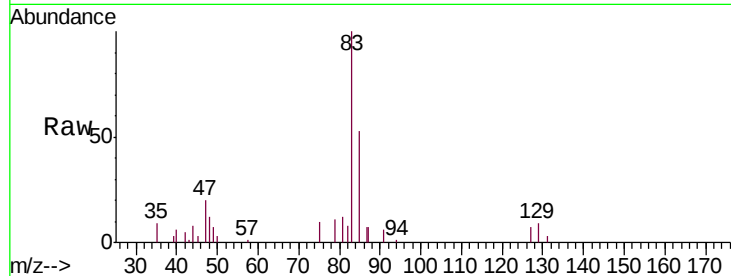




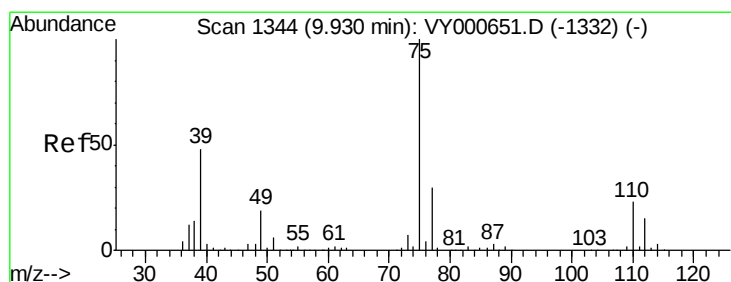
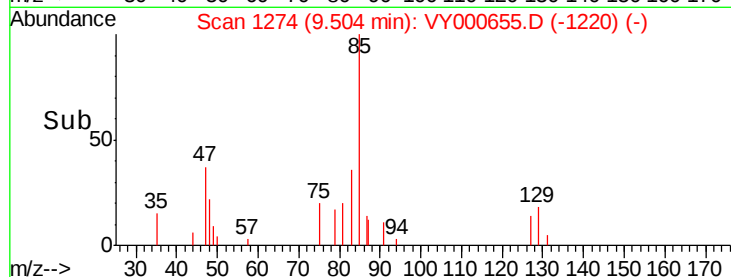
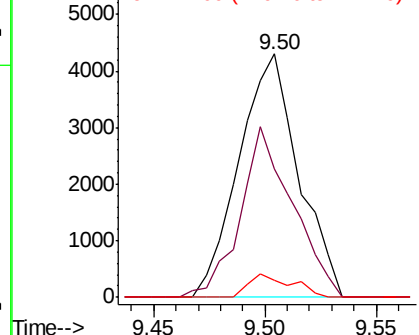
#41
Bromodichloromethane
Concen: 1.147 ug/L
RT: 9.50 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VY000655.D
Acq: 12 Nov 2019 14:57

Instrument :
MSVOA_Y
ClientSampleId :
MDL03

Tgt Ion: 83 Resp: 8019
Ion Ratio Lower Upper
83 100
85 52.8 46.1 85.5
127 6.9 6.5 9.7

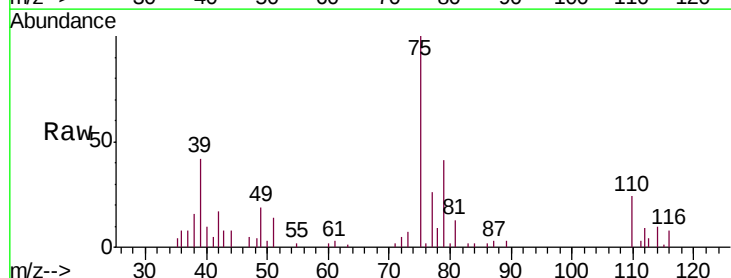


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 85.00 (84.70 to 85.70): VY0
Ion 127.00 (126.70 to 127.70): V

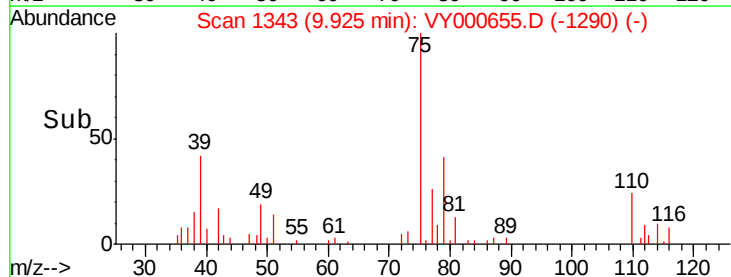
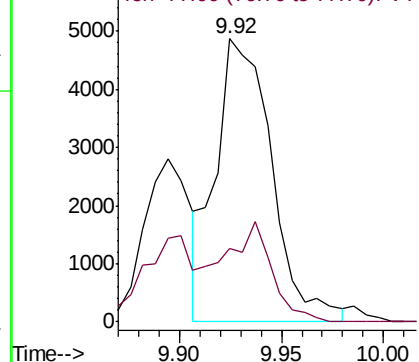


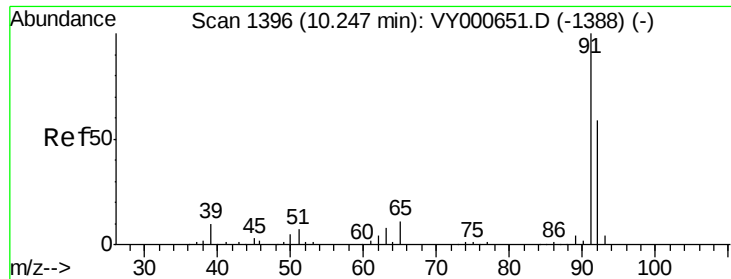
#42
cis-1,3-Dichloropropene
Concen: 1.062 ug/L
RT: 9.92 min Scan# 1343
Delta R.T. -0.01 min
Lab File: VY000655.D
Acq: 12 Nov 2019 14:57

Tgt Ion: 75 Resp: 9291
Ion Ratio Lower Upper
75 100
77 26.0 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VY0
Ion 77.00 (76.70 to 77.70): VY0





#44

Toluene

Concen: 1.070 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000655.D

Acq: 12 Nov 2019 14:57

Instrument :

MSVOA_Y

ClientSampleId :

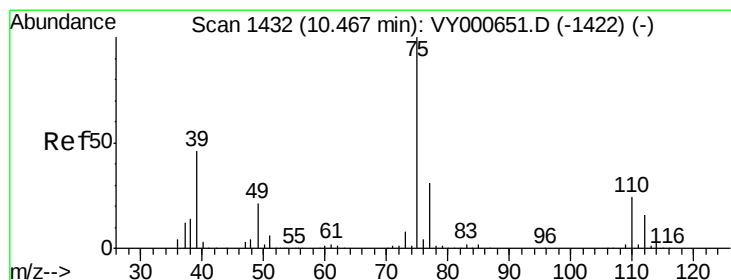
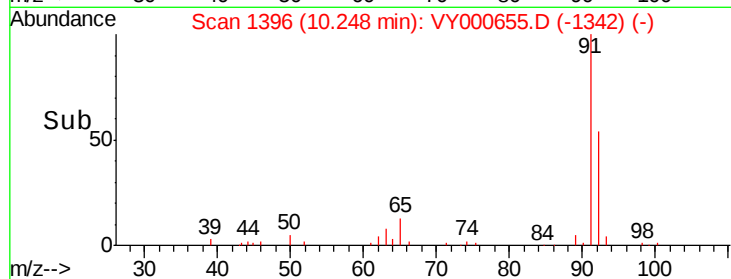
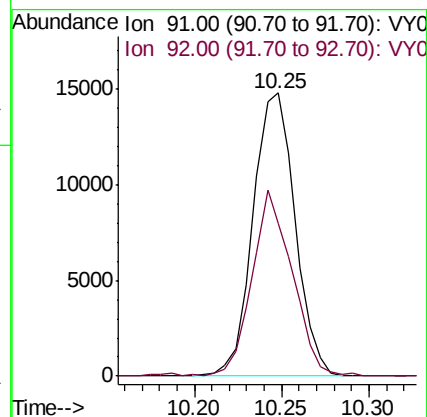
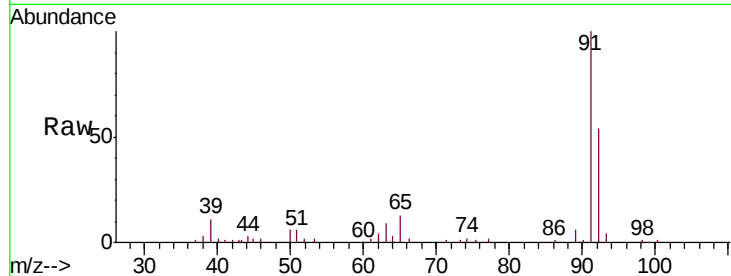
MDL03

Tgt Ion: 91 Resp: 24787

Ion Ratio Lower Upper

91 100

92 53.8 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 1.373 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY000655.D

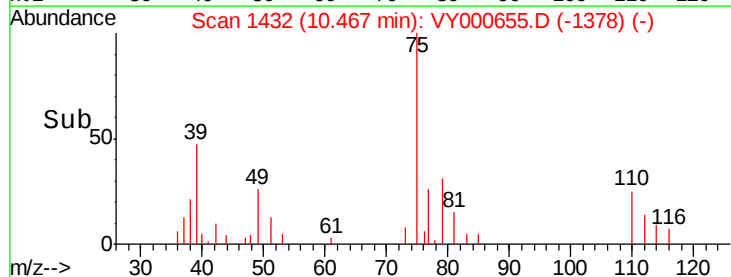
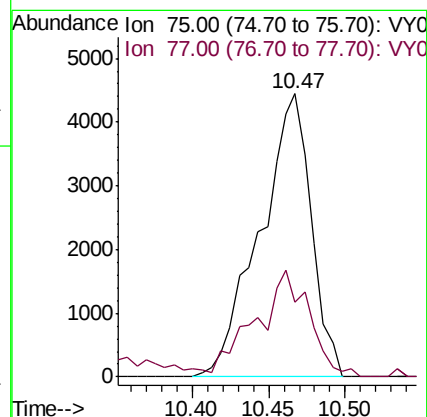
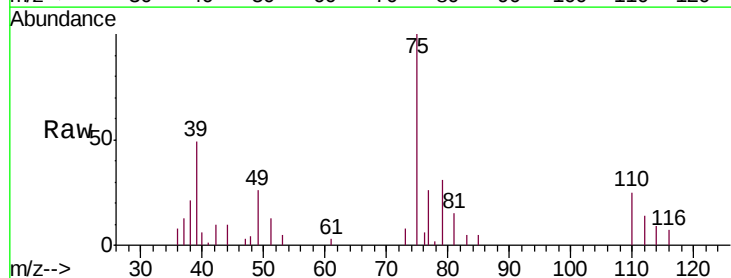
Acq: 12 Nov 2019 14:57

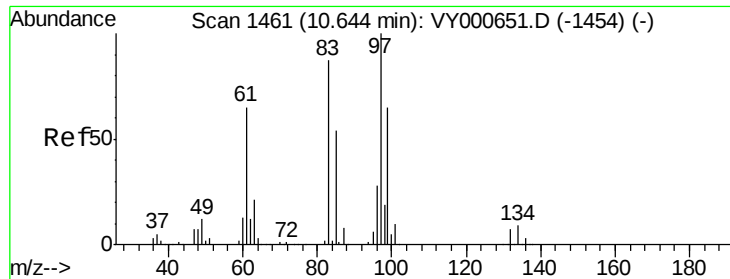
Tgt Ion: 75 Resp: 10319

Ion Ratio Lower Upper

75 100

77 26.2 20.4 37.8

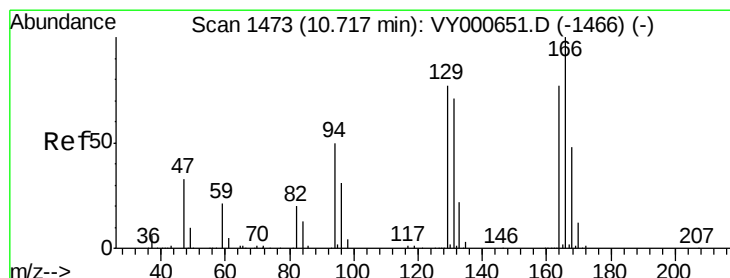
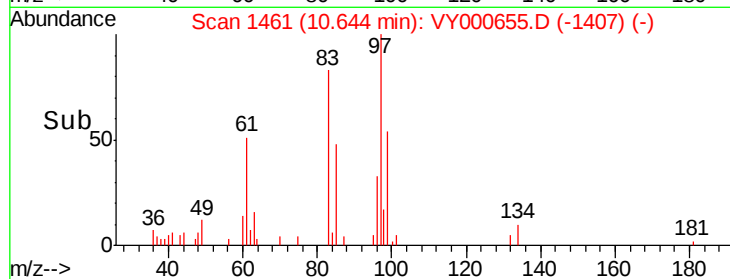
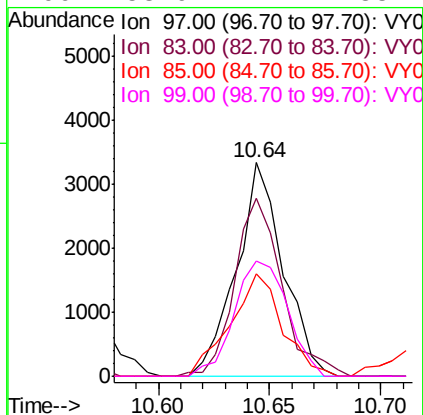
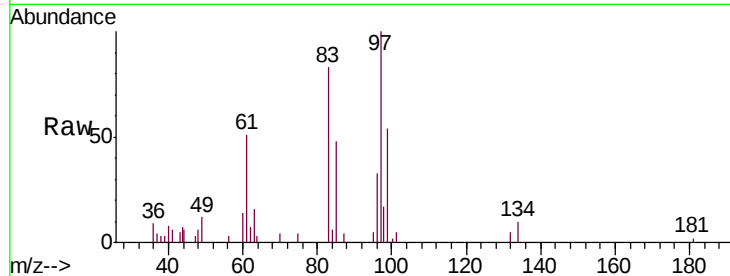




#46
 1,1,2-Trichloroethane
 Concen: 1.098 ug/L
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY000655.D
 Acq: 12 Nov 2019 14:57

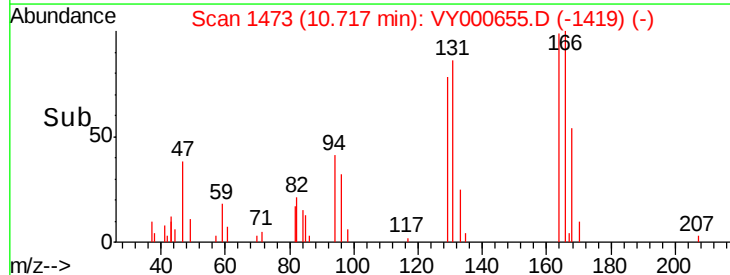
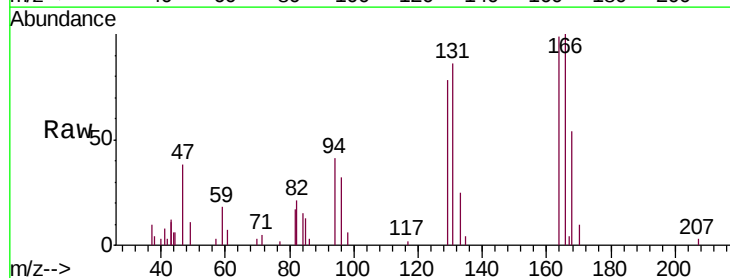
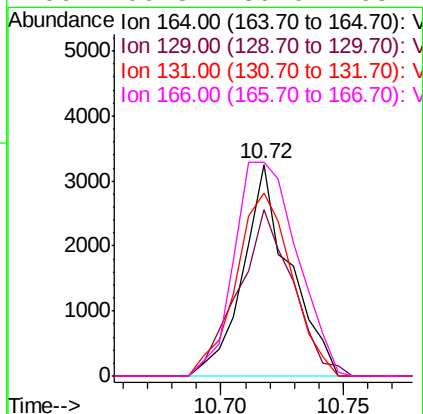
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL03

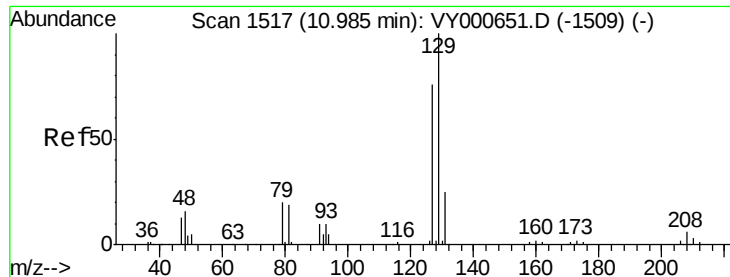
Tgt Ion: 97 Resp: 4891
 Ion Ratio Lower Upper
 97 100
 83 83.5 58.7 109.1
 85 48.1 37.3 69.3
 99 53.9 44.7 83.1



#47
 Tetrachloroethene
 Concen: 1.031 ug/L
 RT: 10.72 min Scan# 1473
 Delta R.T. 0.00 min
 Lab File: VY000655.D
 Acq: 12 Nov 2019 14:57

Tgt Ion: 164 Resp: 4328
 Ion Ratio Lower Upper
 164 100
 129 78.5 69.6 129.2
 131 86.7 66.8 124.2
 166 100.8 89.0 165.2





#50

Dibromochloromethane

Concen: 0.853 ug/L

RT: 10.99 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VY000655.D

Acq: 12 Nov 2019 14:57

Instrument :

MSVOA_Y

ClientSampleId :

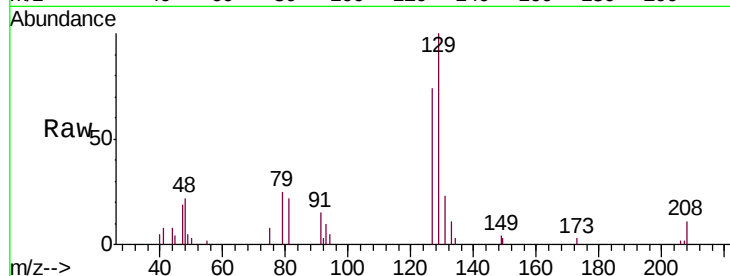
MDL03

Tgt Ion:129 Resp: 4293

Ion Ratio Lower Upper

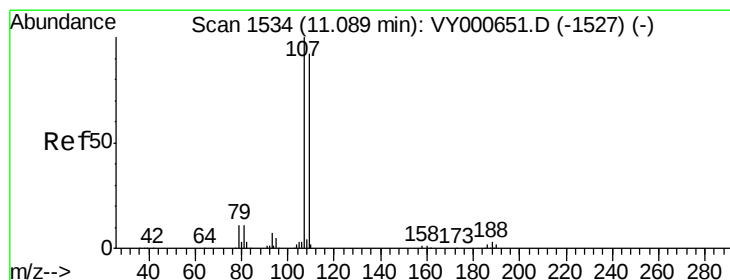
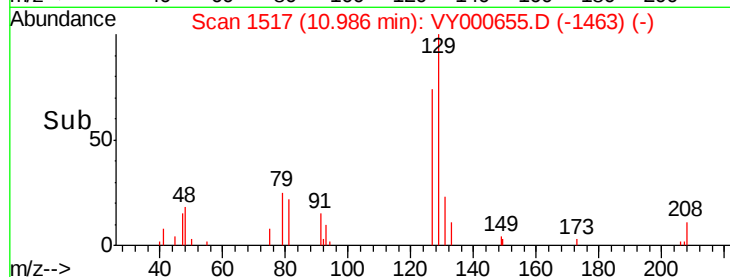
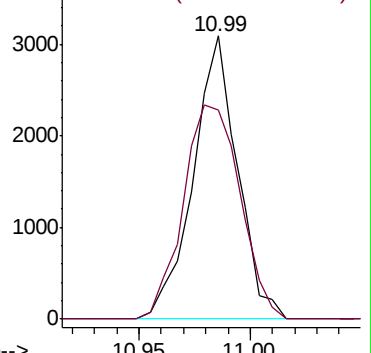
129 100

127 73.9 57.9 107.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 0.930 ug/L

RT: 11.10 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VY000655.D

Acq: 12 Nov 2019 14:57

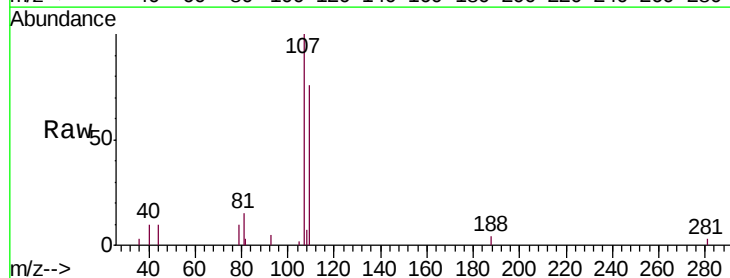
Tgt Ion:107 Resp: 4032

Ion Ratio Lower Upper

107 100

109 75.7 65.5 121.6

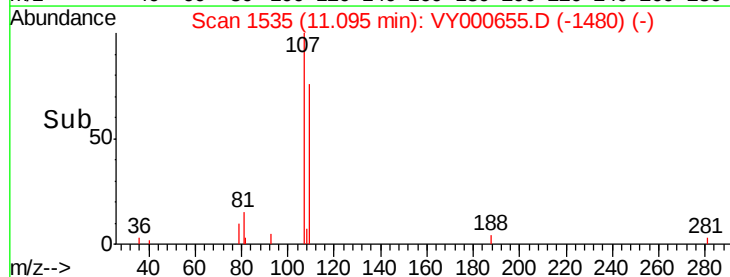
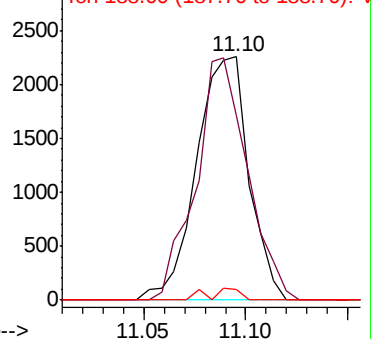
188 4.1 2.7 4.1#

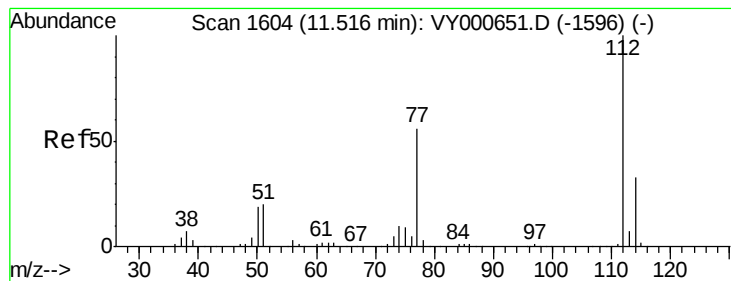


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 1.029 ug/L

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY000655.D

Acq: 12 Nov 2019 14:57

Instrument :

MSVOA_Y

ClientSampleId :

MDL03

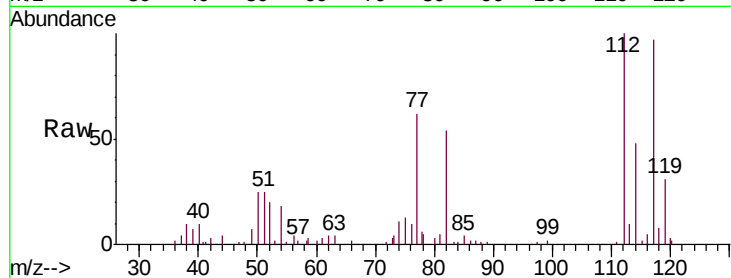
Tgt Ion: 112 Resp: 15133

Ion Ratio Lower Upper

112 100

77 62.2 47.4 71.0

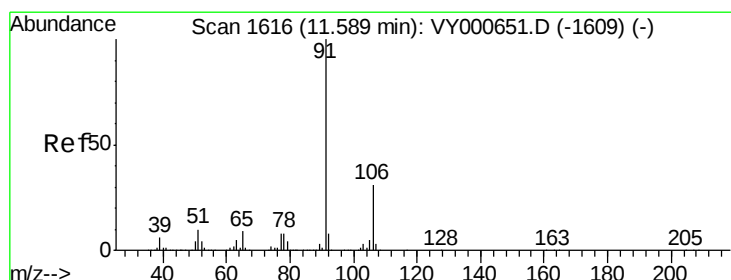
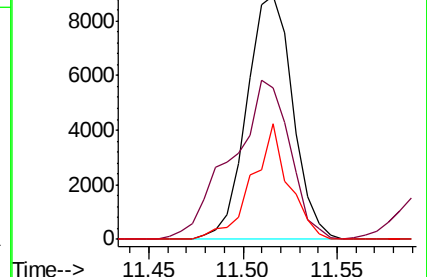
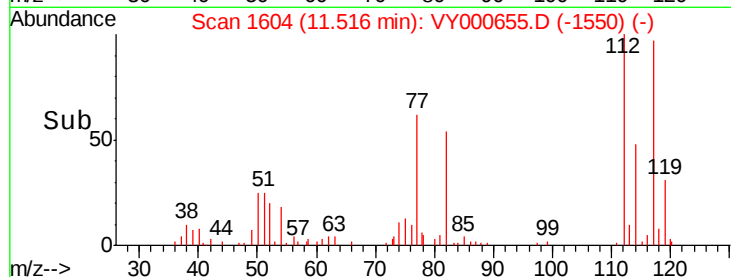
114 47.6 23.0 42.6#



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: 1.022 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY000655.D

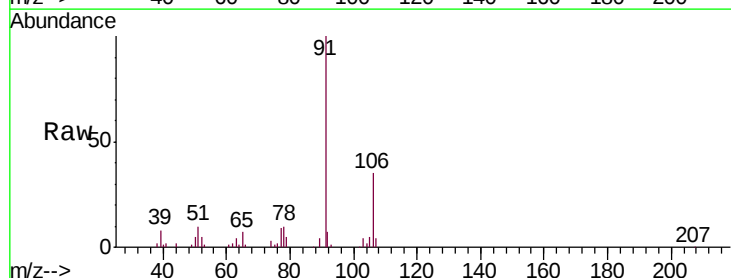
Acq: 12 Nov 2019 14:57

Tgt Ion: 91 Resp: 26801

Ion Ratio Lower Upper

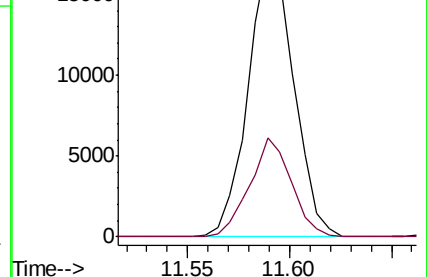
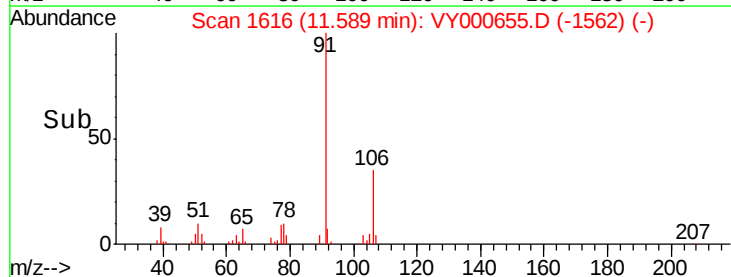
91 100

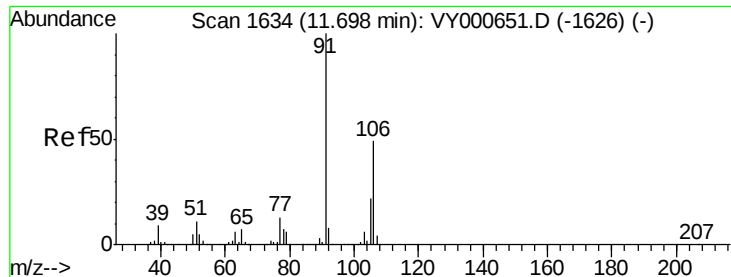
106 34.8 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 0.985 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY000655.D

Acq: 12 Nov 2019 14:57

Instrument :

MSVOA_Y

ClientSampleId :

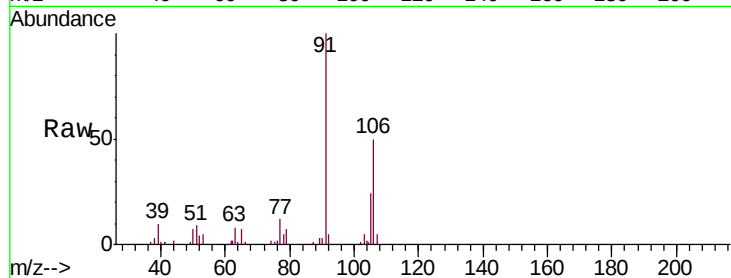
MDL03

Tgt Ion:106 Resp: 9776

Ion Ratio Lower Upper

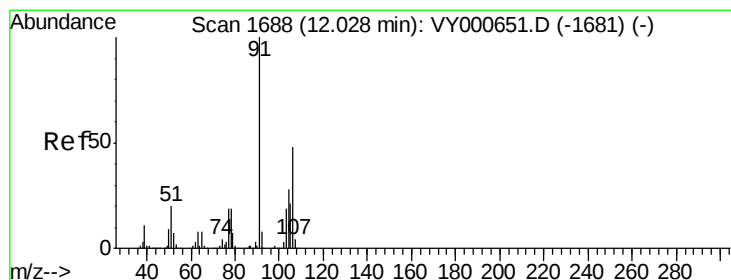
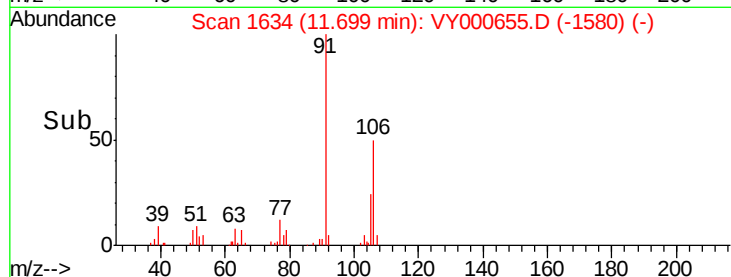
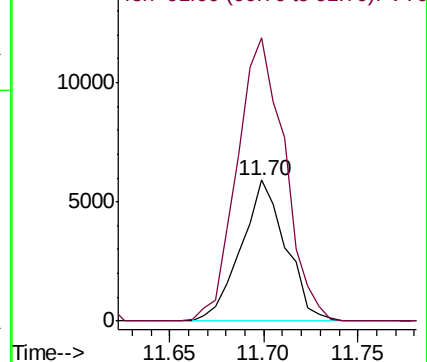
106 100

91 201.0 137.4 255.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

o-xylene

Concen: 0.975 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VY000655.D

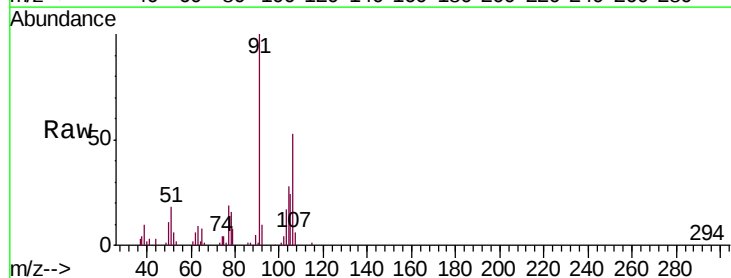
Acq: 12 Nov 2019 14:57

Tgt Ion:106 Resp: 9493

Ion Ratio Lower Upper

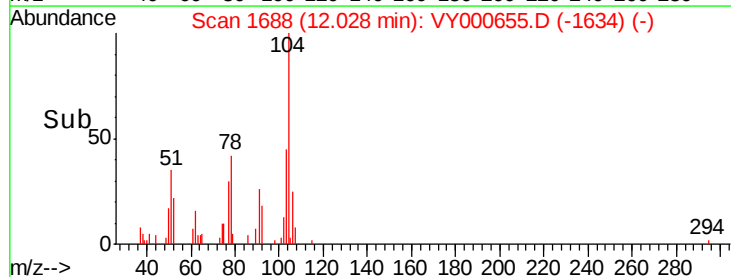
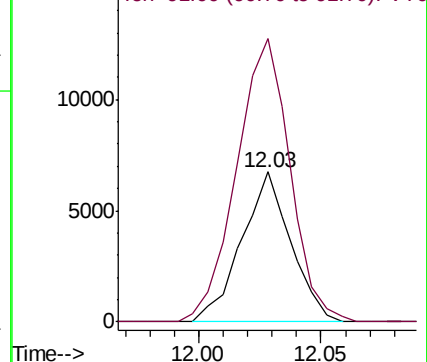
106 100

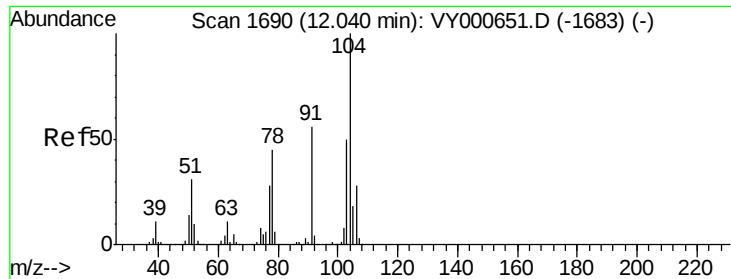
91 189.0 147.8 274.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#56

Styrene

Concen: 0.973 ug/L

RT: 12.04 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VY000655.D

Acq: 12 Nov 2019 14:57

Instrument :

MSVOA_Y

ClientSampleId :

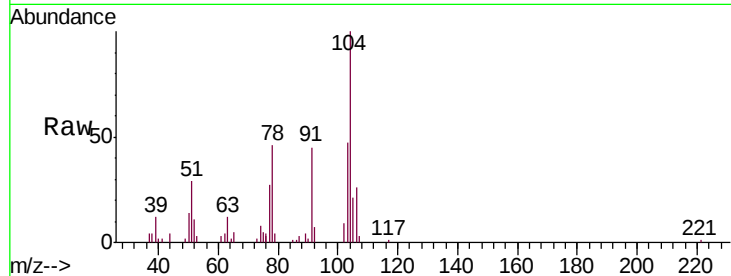
MDL03

Tgt Ion:104 Resp: 15736

Ion Ratio Lower Upper

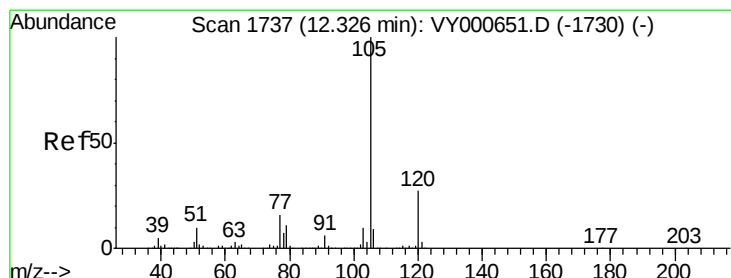
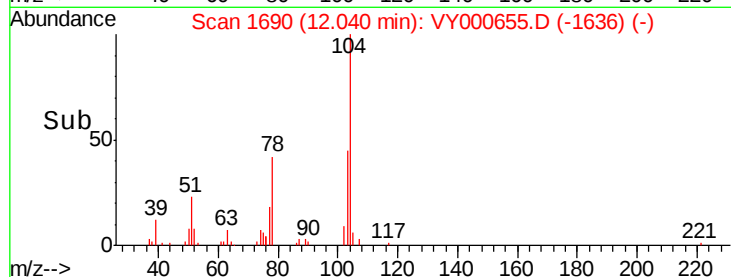
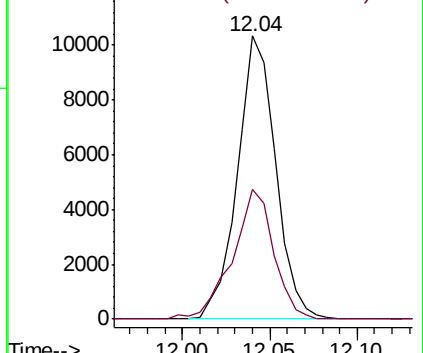
104 100

78 45.9 31.5 58.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0



#57

Isopropylbenzene

Concen: 1.031 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000655.D

Acq: 12 Nov 2019 14:57

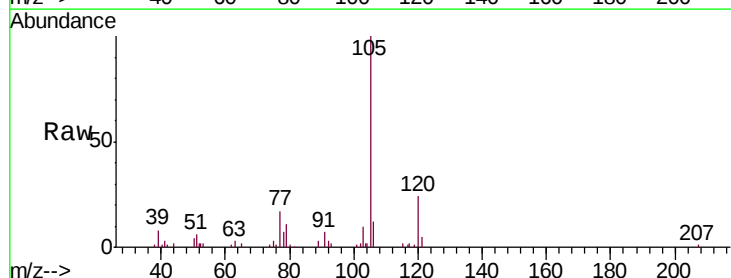
Tgt Ion:105 Resp: 26128

Ion Ratio Lower Upper

105 100

120 25.5 21.5 32.3

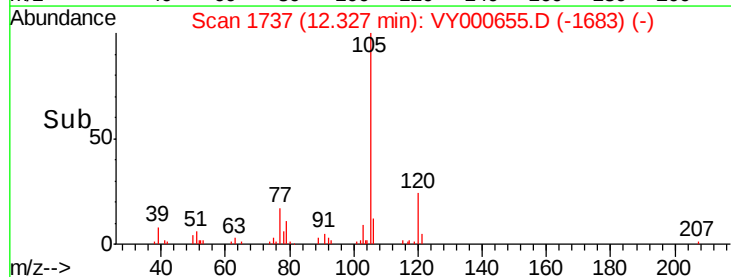
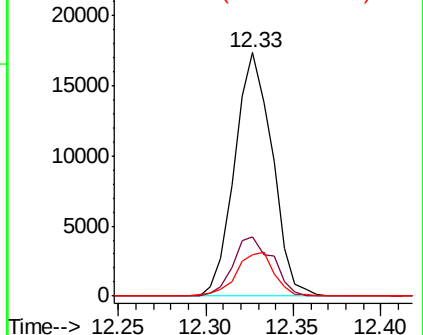
77 18.1 12.6 19.0

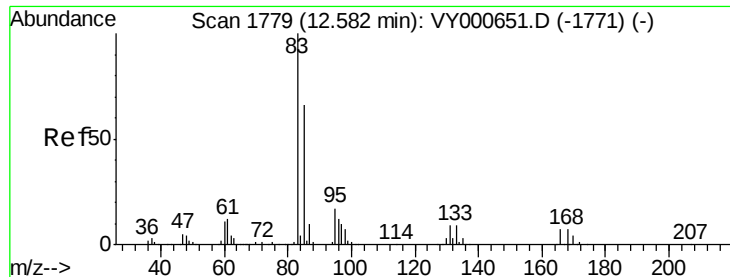


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VY0

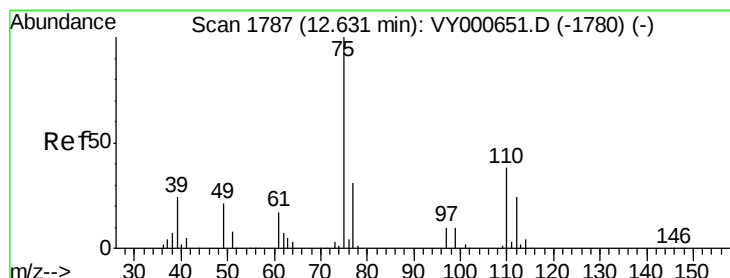
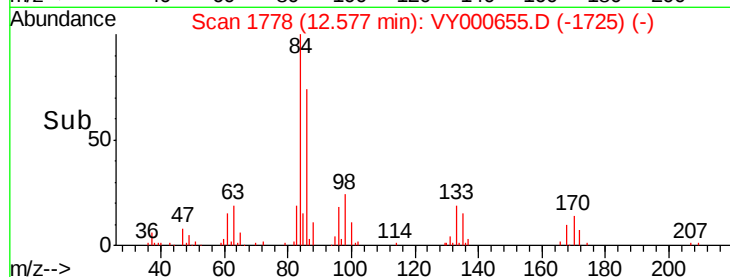
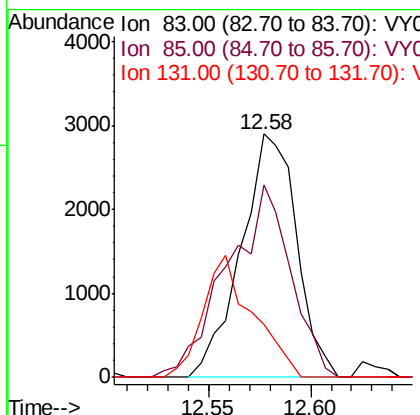
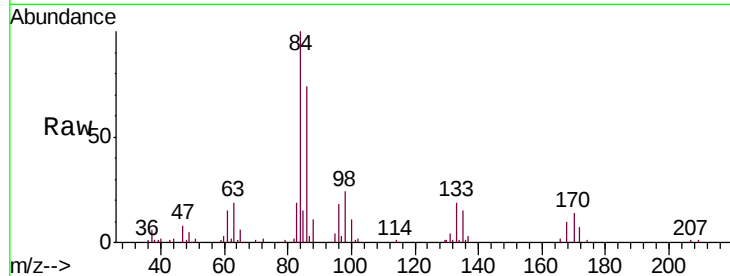




#58
 1,1,2,2-Tetrachloroethane
 Concen: 0.986 ug/L
 RT: 12.58 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: VY000655.D
 Acq: 12 Nov 2019 14:57

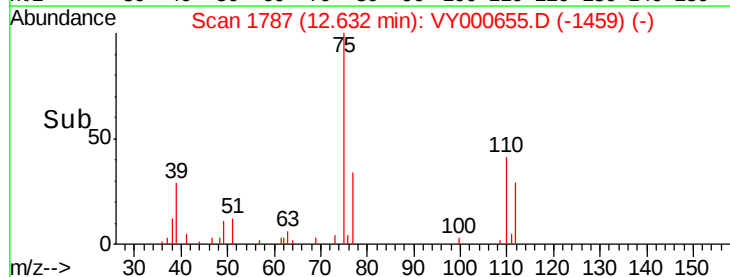
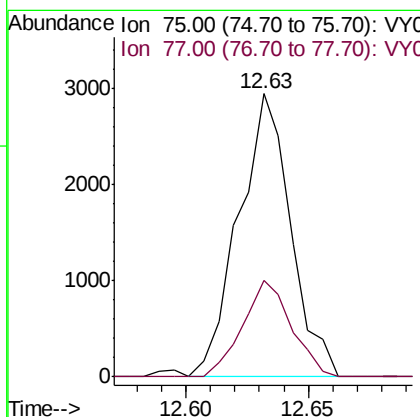
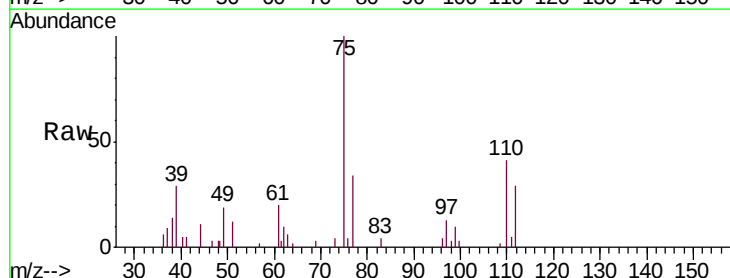
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL03

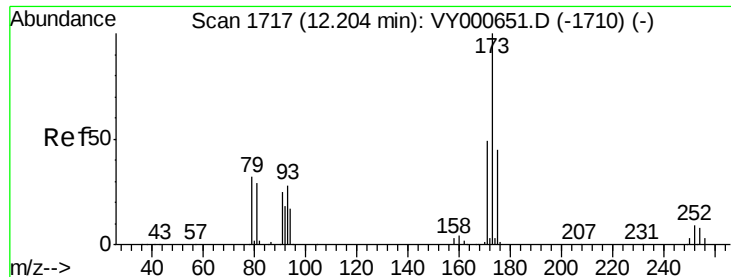
Tgt Ion: 83 Resp: 5482
 Ion Ratio Lower Upper
 83 100
 85 78.9 45.0 83.6
 131 25.7 7.8 11.6#



#59
 1,2,3-Trichloropropane
 Concen: 0.966 ug/L
 RT: 12.63 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: VY000655.D
 Acq: 12 Nov 2019 14:57

Tgt Ion: 75 Resp: 4365
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.4 39.6





#62

Bromoform

Concen: 1.018 ug/L

RT: 12.20 min Scan# 1716

Delta R.T. -0.01 min

Lab File: VY000655.D

Acq: 12 Nov 2019 14:57

Instrument :

MSVOA_Y

ClientSampleId :

MDL03

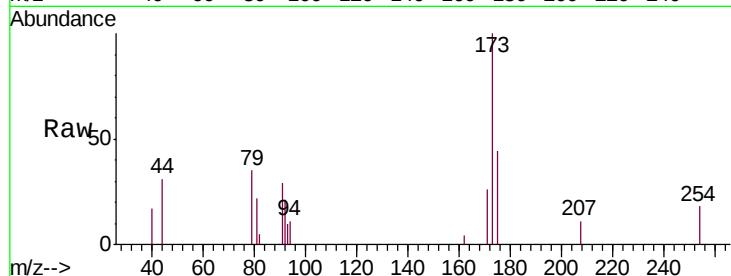
Tgt Ion:173 Resp: 2909

Ion Ratio Lower Upper

173 100

175 48.8 37.8 56.6

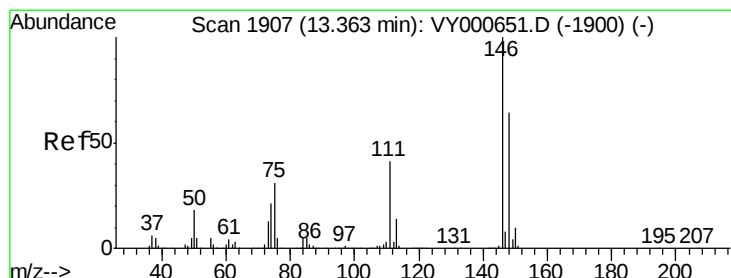
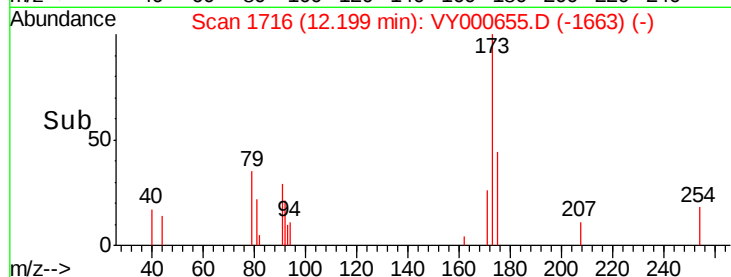
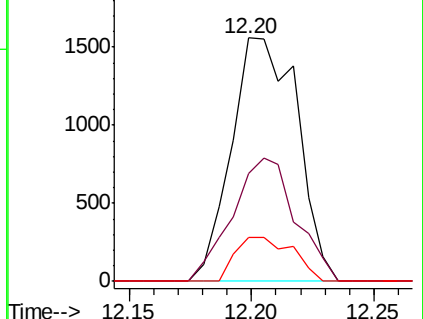
254 15.7 7.7 11.5#



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



#63

1,3-Dichlorobenzene

Concen: 1.115 ug/L

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY000655.D

Acq: 12 Nov 2019 14:57

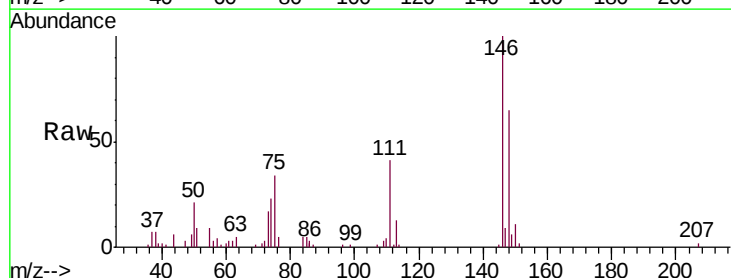
Tgt Ion:146 Resp: 11972

Ion Ratio Lower Upper

146 100

111 41.4 28.8 53.6

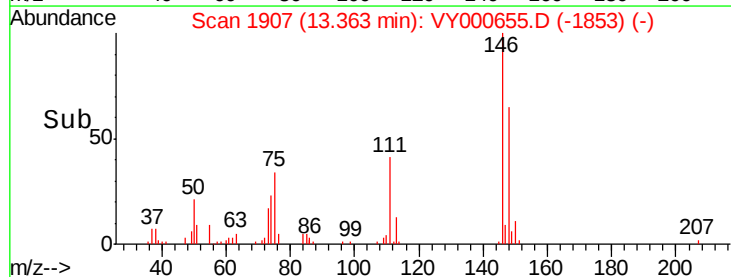
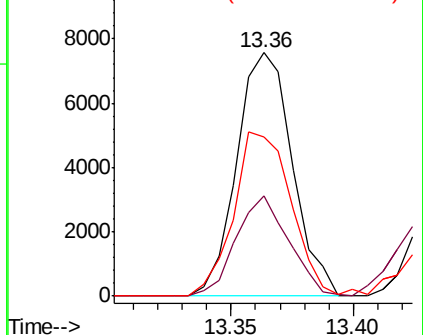
148 65.5 44.3 82.3

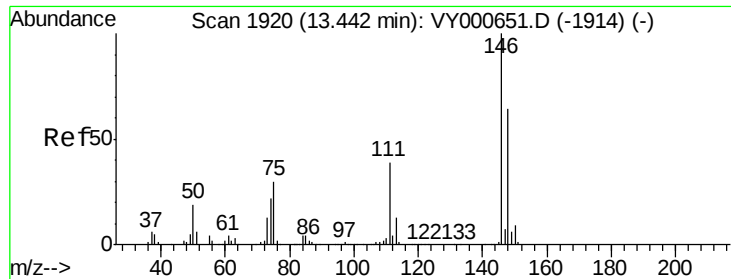


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 1.160 ug/L

RT: 13.44 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VY000655.D

Acq: 12 Nov 2019 14:57

Instrument :

MSVOA_Y

ClientSampled :

MDL03

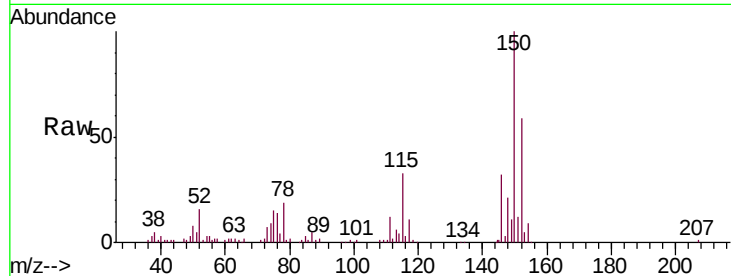
Tgt Ion:146 Resp: 12450

Ion Ratio Lower Upper

146 100

111 36.9 26.7 49.5

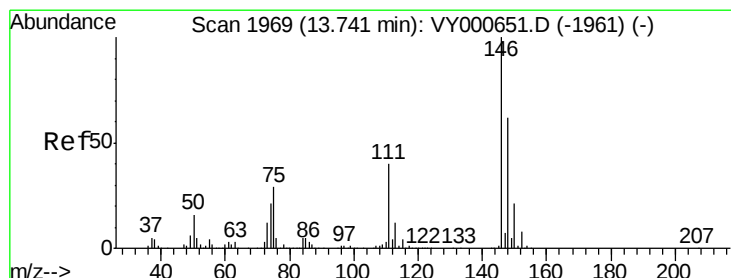
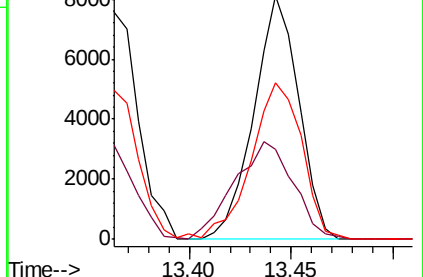
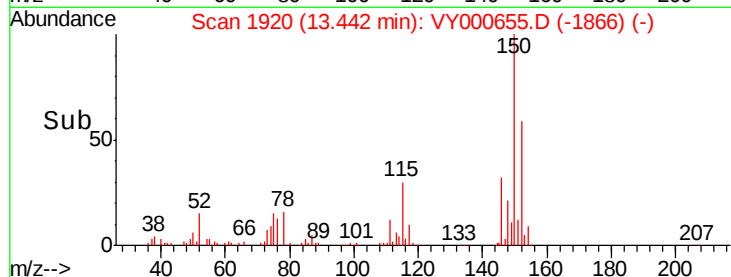
148 64.1 45.2 84.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 1.248 ug/L

RT: 13.74 min Scan# 1968

Delta R.T. -0.01 min

Lab File: VY000655.D

Acq: 12 Nov 2019 14:57

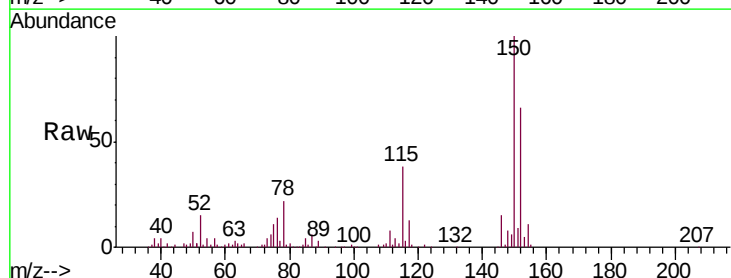
Tgt Ion:146 Resp: 12404

Ion Ratio Lower Upper

146 100

111 50.9 33.8 50.8#

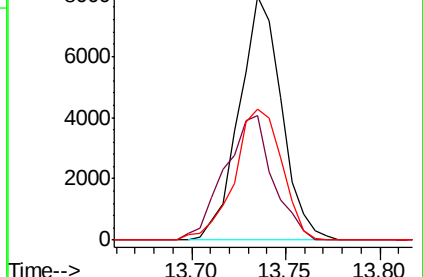
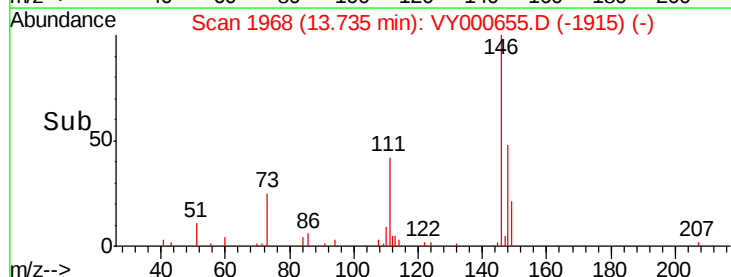
148 53.7 51.0 76.6

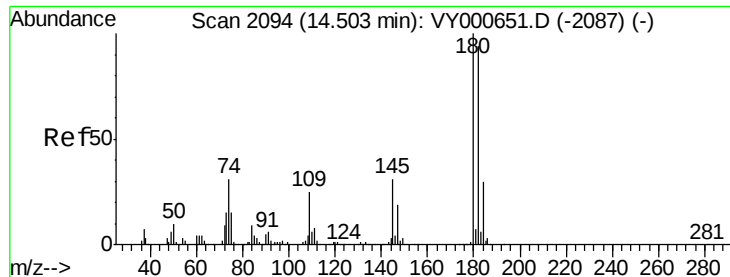


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

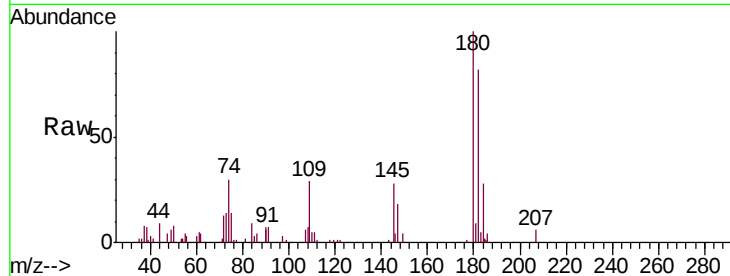




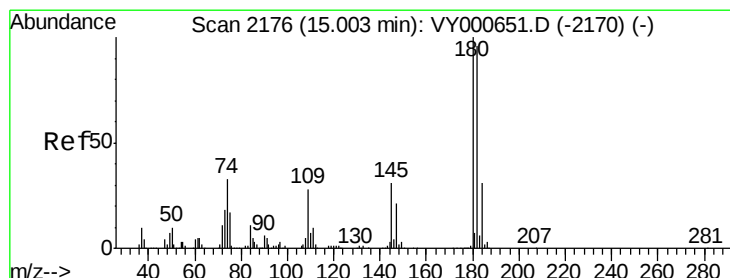
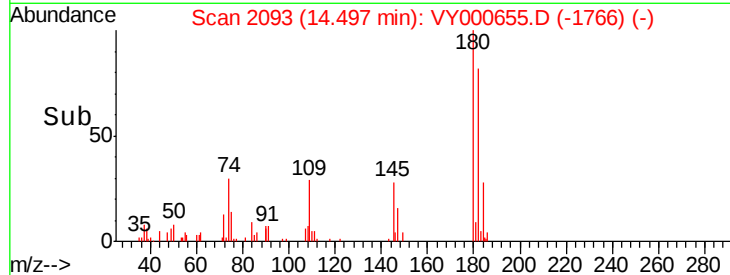
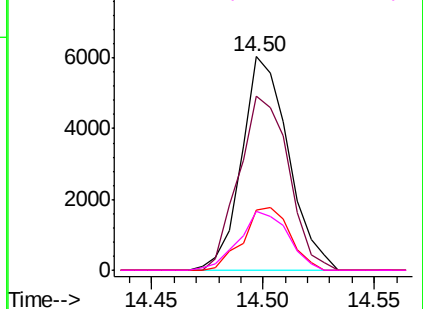
#67
 1,3,5-Trichlorobenzene
 Concen: 1.181 ug/L
 RT: 14.50 min Scan# 2093
 Delta R.T. -0.01 min
 Lab File: VY000655.D
 Acq: 12 Nov 2019 14:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

Tgt Ion:	180	Resp:	8837
Ion	Ratio	Lower	Upper
180	100		
182	86.4	75.6	113.4
184	29.4	24.5	36.7
145	28.9	25.1	37.7

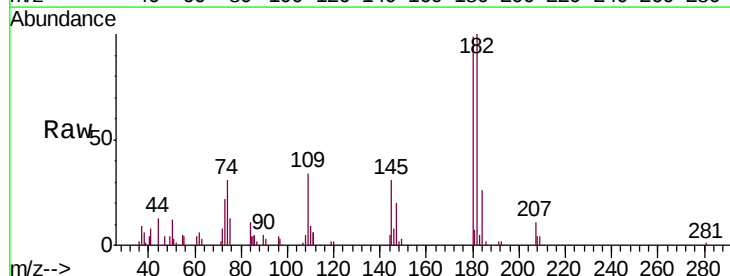


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

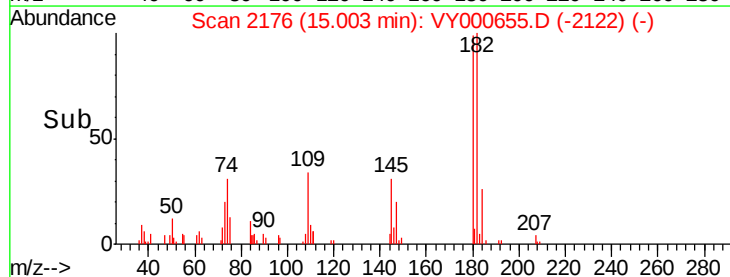
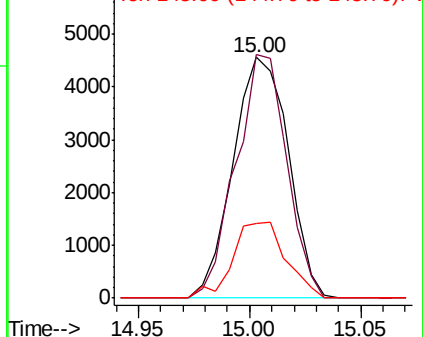


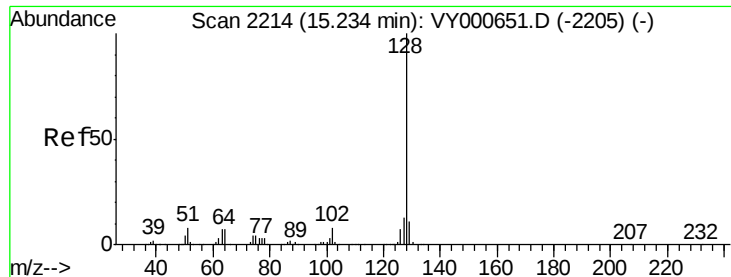
#68
 1,2,4-trichlorobenzene
 Concen: 1.180 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY000655.D
 Acq: 12 Nov 2019 14:57

Tgt Ion:	180	Resp:	7892
Ion	Ratio	Lower	Upper
180	100		
182	92.7	77.5	116.3
145	30.4	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: 1.049 ug/L

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY000655.D

Acq: 12 Nov 2019 14:57

Instrument :

MSVOA_Y

ClientSampled :

MDL03

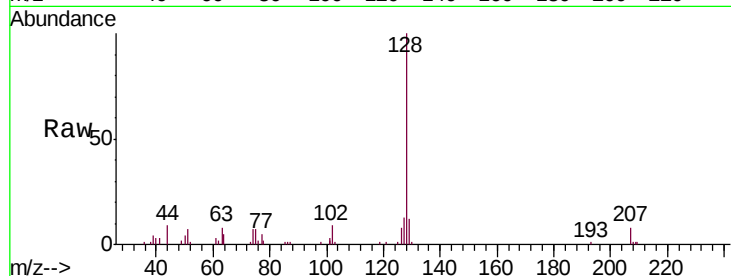
Tgt Ion:128 Resp: 17484

Ion Ratio Lower Upper

128 100

129 11.8 8.4 12.6

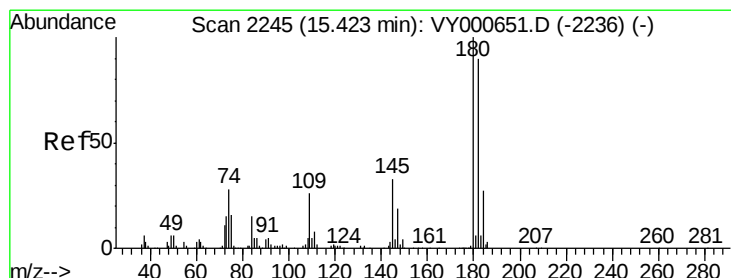
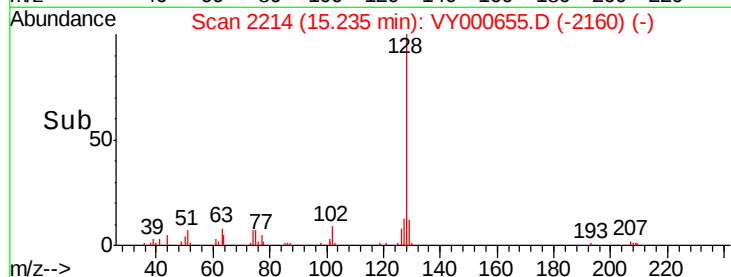
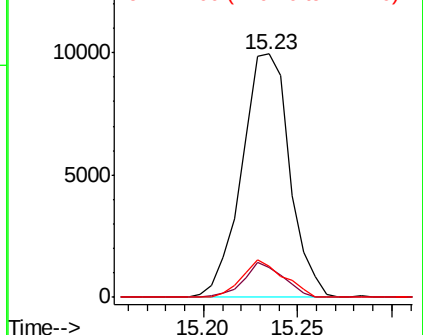
127 13.4 9.8 14.6



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: 1.175 ug/L

RT: 15.42 min Scan# 2244

Delta R.T. -0.01 min

Lab File: VY000655.D

Acq: 12 Nov 2019 14:57

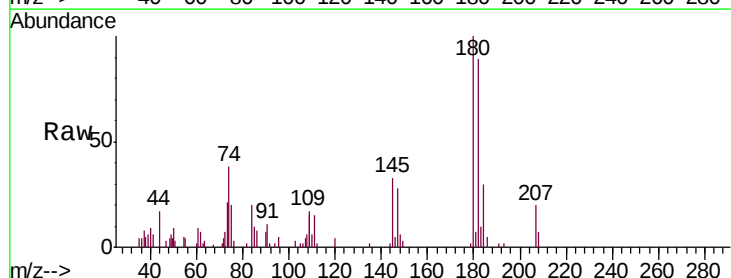
Tgt Ion:180 Resp: 7307

Ion Ratio Lower Upper

180 100

182 87.2 76.2 114.4

145 31.9 26.6 39.8



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

