

Data File : VY000656.D
Acq On : 12 Nov 2019 15:18
Operator : SY/MD
Sample : MDL04
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MDL04

Quant Time: Nov 13 03:08:30 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	356843	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	323475	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	155324	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	118483	23.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.04%
7) Chloroethane-d5	2.76	69	109189	24.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.52%
10) 1,1-Dichloroethene-d2	3.86	63	164999	17.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.92%
20) 2-Butanone-d5	6.91	46	93721	45.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.14%
24) Chloroform-d	7.49	84	209222	22.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	8.15	65	122833	22.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.52%
29) Benzene-d6	8.12	84	452031	24.07	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.28%
33) 1,2-Dichloropropane-d6	9.13	67	139591	23.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.84%
37) Toluene-d8	10.18	98	403236	22.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.92%
38) trans-1,3-Dichloropropene-	10.44	79	63491	23.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.48%
39) 2-Hexanone-d5	10.79	63	71404	44.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.74%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	123292	21.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.12%
61) 1,2-Dichlorobenzene-d4	13.72	152	142798	22.99	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.96%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	5958	1.263 ug/L	96
3) Chloromethane	2.12	50	6977	1.180 ug/L	85
5) Vinyl chloride	2.25	62	6394	1.084 ug/L #	80
6) Bromomethane	2.66	94	3743	1.162 ug/L	100
8) Chloroethane	2.80	64	3886	1.050 ug/L	92
9) Trichlorofluoromethane	3.13	101	9606	1.150 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	3.90	101	2102	0.443 ug/L #	36
12) 1,1-Dichloroethene	3.88	96	5839	1.262 ug/L #	1
14) Carbon disulfide	4.20	76	14211	0.996 ug/L	98
16) Methylene chloride	4.72	84	11876	2.016 ug/L	84
17) Methyl tert-butyl Ether	5.23	73	10000	0.710 ug/L #	75
18) trans-1,2-Dichloroethene	5.23	96	2840	0.550 ug/L	79
19) 1,1-Dichloroethane	6.03	63	6229	0.685 ug/L	95
22) cis-1,2-Dichloroethene	7.00	96	6112	1.069 ug/L	79
23) Bromochloromethane	7.34	128	1550	0.621 ug/L #	79
25) Chloroform	7.51	83	7564	0.772 ug/L #	1
27) 1,2-Dichloroethane	8.24	62	7099	1.084 ug/L #	94

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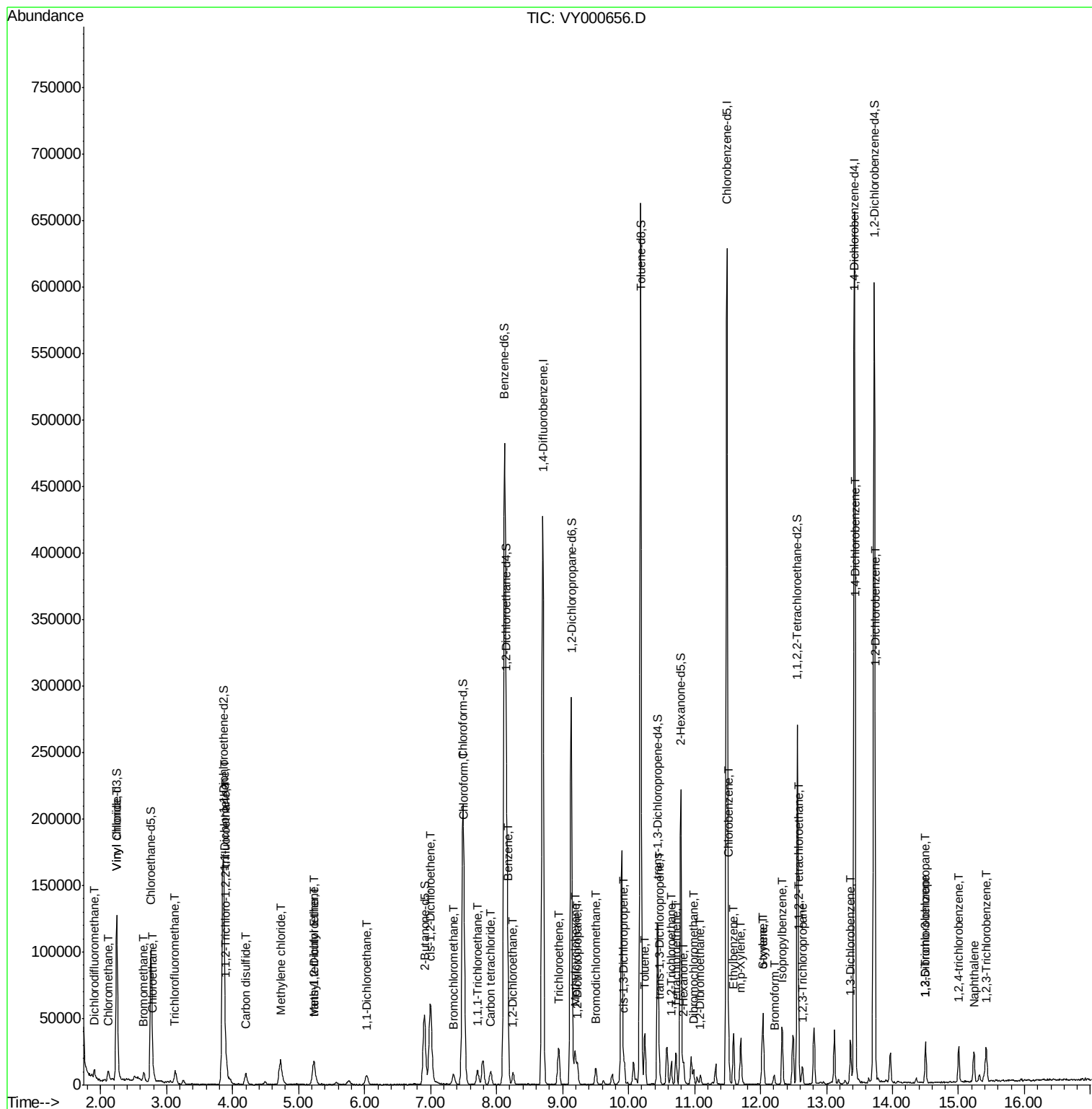
31) 1,1,1-Trichloroethane	7.72	97	8152	1.023	ug/L	91
32) Carbon tetrachloride	7.91	117	4527	0.652	ug/L #	44
34) Benzene	8.17	78	23648	1.118	ug/L	100
35) Trichloroethene	8.94	95	6108	1.101	ug/L	99
36) Methylcyclohexane	9.19	83	9846	1.037	ug/L #	90
40) 1,2-Dichloropropane	9.23	63	6012	1.122	ug/L	100
41) Bromodichloromethane	9.50	83	7061	1.024	ug/L	98
42) cis-1,3-Dichloropropene	9.93	75	8540	0.989	ug/L	95
44) Toluene	10.25	91	24835	1.086	ug/L	93
45) trans-1,3-Dichloropropene	10.47	75	10382	1.400	ug/L	89
46) 1,1,2-Trichloroethane	10.64	97	4878	1.110	ug/L #	86
47) Tetrachloroethene	10.72	164	4710	1.137	ug/L #	80
49) 2-Hexanone	10.83	43	9059	2.269	ug/L	98
50) Dibromochloromethane	10.99	129	4875	0.982	ug/L	95
51) 1,2-Dibromoethane	11.09	107	4342	1.015	ug/L #	87
52) Chlorobenzene	11.52	112	16207	1.117	ug/L	95
53) Ethylbenzene	11.59	91	26969	1.043	ug/L	96
54) m,p-Xylene	11.70	106	10305	1.053	ug/L	73
55) o-xylene	12.03	106	9387	0.977	ug/L	79
56) Styrene	12.04	104	15832	0.992	ug/L	98
57) Isopropylbenzene	12.33	105	25960	1.039	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	6357	1.159	ug/L	91
59) 1,2,3-Trichloropropane	12.63	75	5177	1.161	ug/L	98
62) Bromoform	12.20	173	2886	0.978	ug/L #	90
63) 1,3-Dichlorobenzene	13.36	146	12422	1.121	ug/L	92
64) 1,4-Dichlorobenzene	13.44	146	12159	1.098	ug/L #	91
65) 1,2-Dichlorobenzene	13.74	146	11937	1.163	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.50	75	1534	1.574	ug/L #	5
67) 1,3,5-Trichlorobenzene	14.50	180	8308	1.076	ug/L	97
68) 1,2,4-trichlorobenzene	15.00	180	6874	0.996	ug/L	94
69) Naphthalene	15.23	128	17825	1.036	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	7302	1.138	ug/L	97

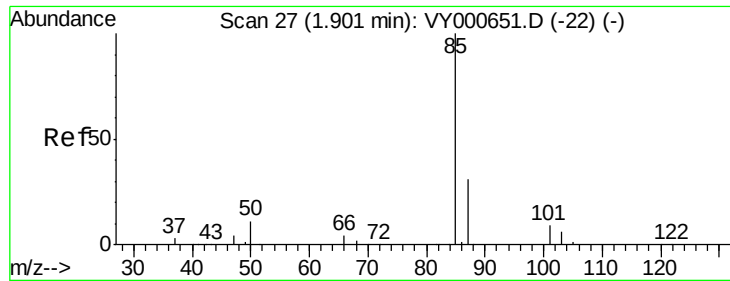
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.263 ug/L

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

ClientSampleId :

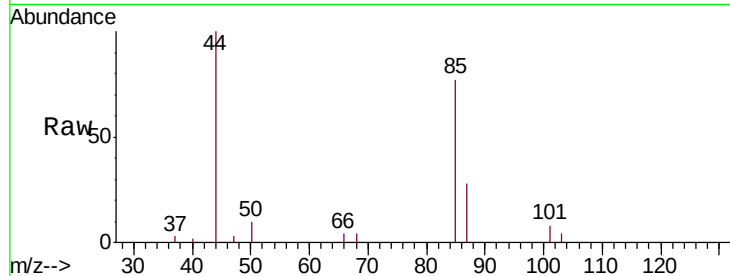
MDL04

Tgt Ion: 85 Resp: 5958

Ion Ratio Lower Upper

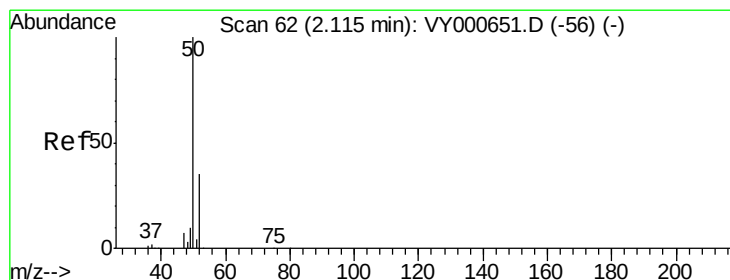
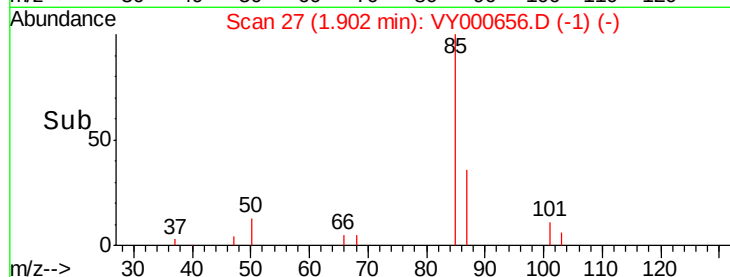
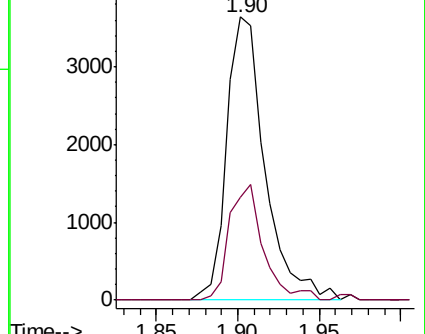
85 100

87 34.8 22.7 42.1



Abundance Ion 85.00 (84.70 to 85.70): VY000651.D (-22) (-)

Ion 87.00 (86.70 to 87.70): VY000651.D (-22) (-)



#3

Chloromethane

Concen: 1.180 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000656.D

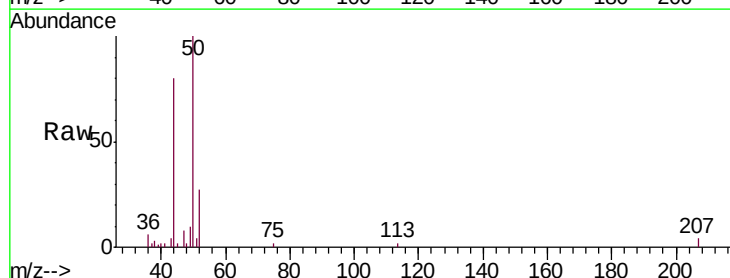
Acq: 12 Nov 2019 15:18

Tgt Ion: 50 Resp: 6977

Ion Ratio Lower Upper

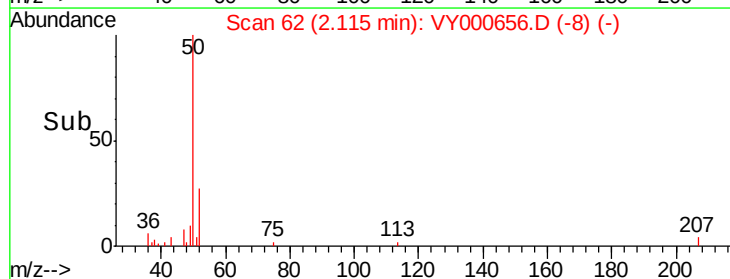
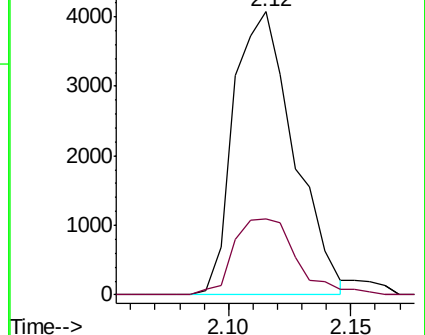
50 100

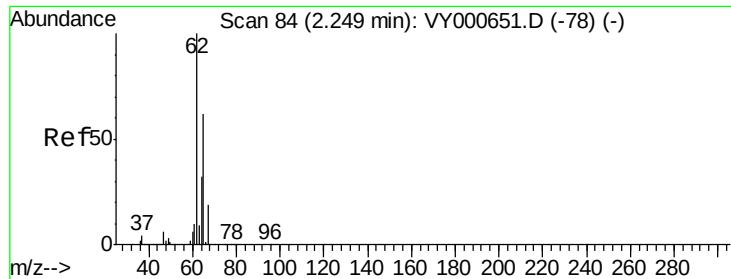
52 26.8 24.9 46.3



Abundance Ion 50.00 (49.70 to 50.70): VY000651.D (-56) (-)

Ion 52.00 (51.70 to 52.70): VY000651.D (-56) (-)





#5

Vinyl chloride

Concen: 1.084 ug/L

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

ClientSampleId :

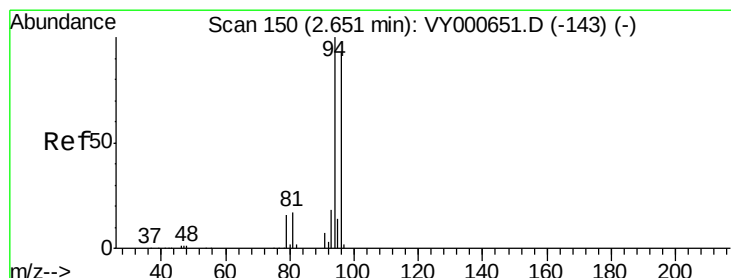
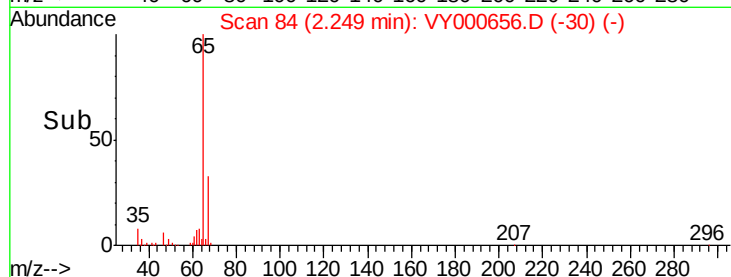
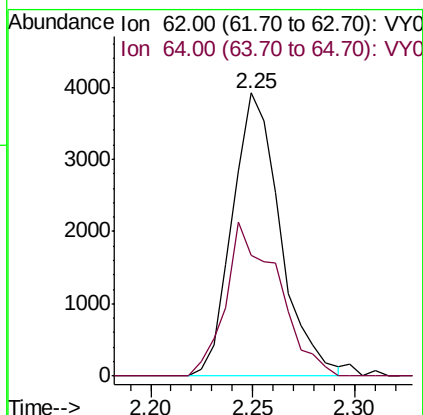
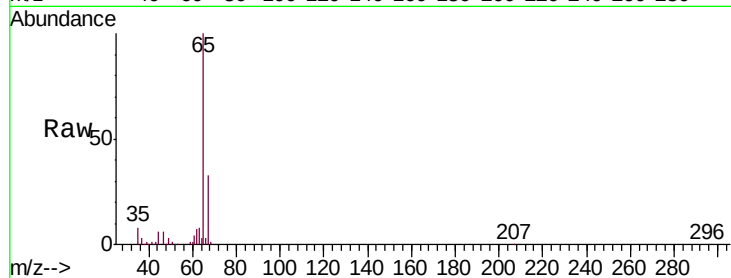
MDL04

Tgt Ion: 62 Resp: 6394

Ion Ratio Lower Upper

62 100

64 42.7 22.0 40.8#



#6

Bromomethane

Concen: 1.162 ug/L

RT: 2.66 min Scan# 151

Delta R.T. 0.01 min

Lab File: VY000656.D

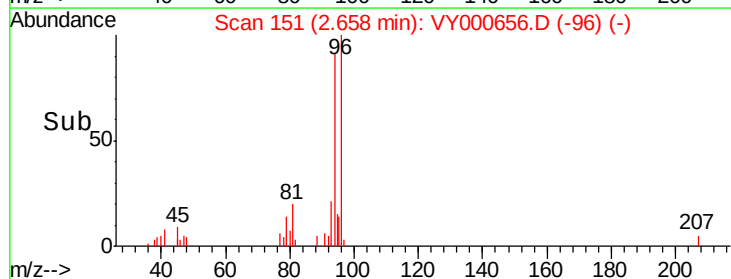
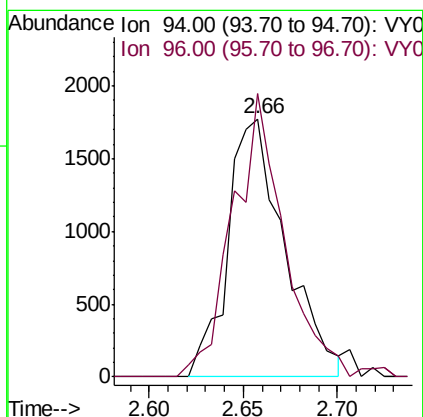
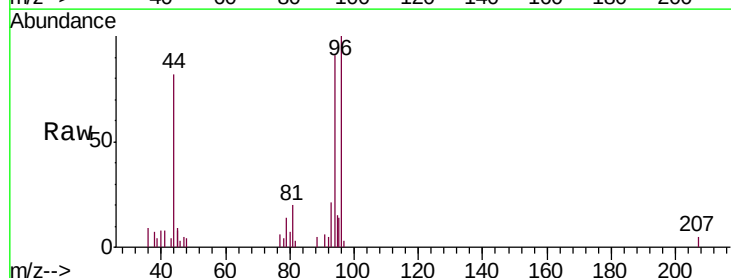
Acq: 12 Nov 2019 15:18

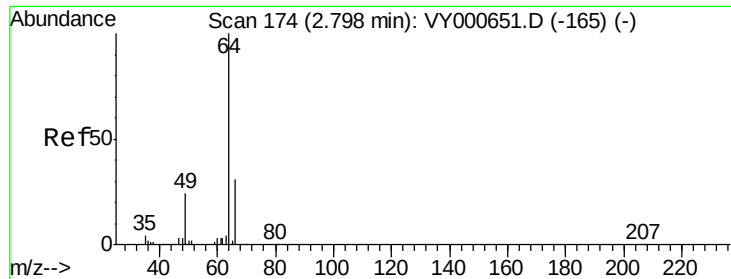
Tgt Ion: 94 Resp: 3743

Ion Ratio Lower Upper

94 100

96 97.7 9.8 185.6





#8

Chloroethane

Concen: 1.050 ug/L

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

ClientSampleId :

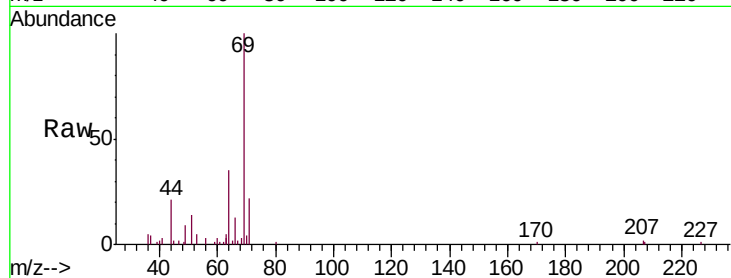
MDL04

Tgt Ion: 64 Resp: 3886

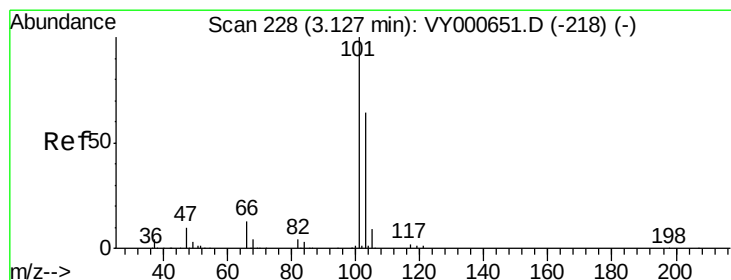
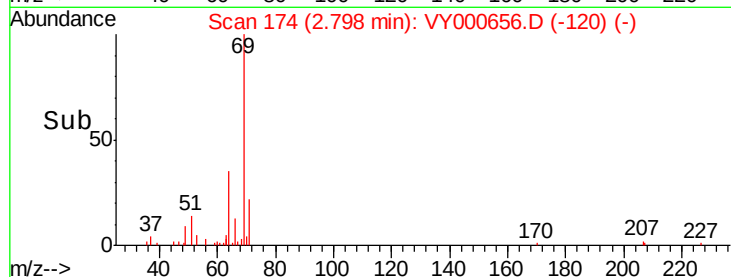
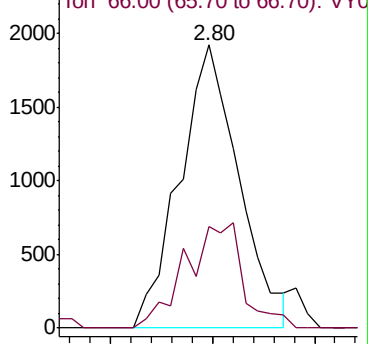
Ion Ratio Lower Upper

64 100

66 36.1 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VY000656.D (-165) (-)



#9

Trichlorofluoromethane

Concen: 1.150 ug/L

RT: 3.13 min Scan# 228

Delta R.T. 0.00 min

Lab File: VY000656.D

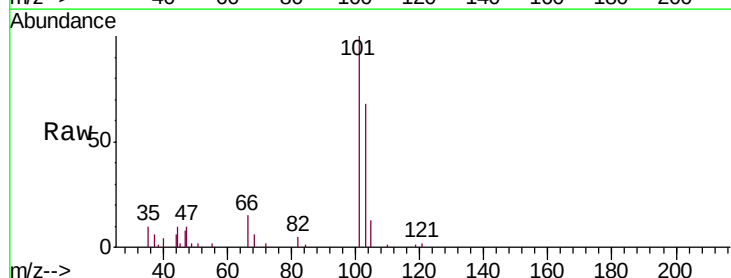
Acq: 12 Nov 2019 15:18

Tgt Ion: 101 Resp: 9606

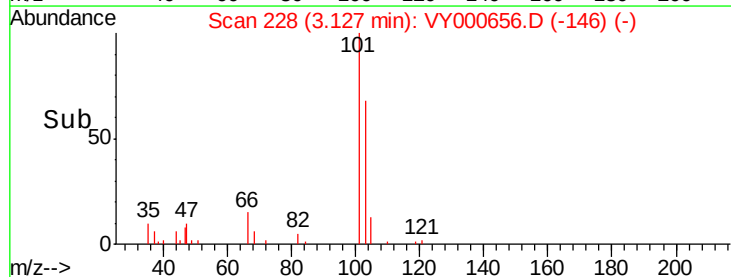
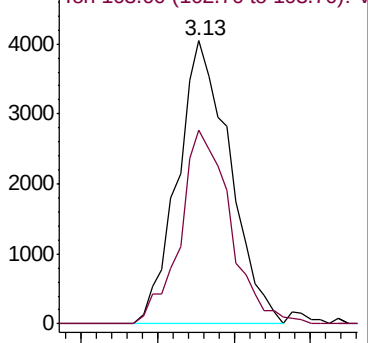
Ion Ratio Lower Upper

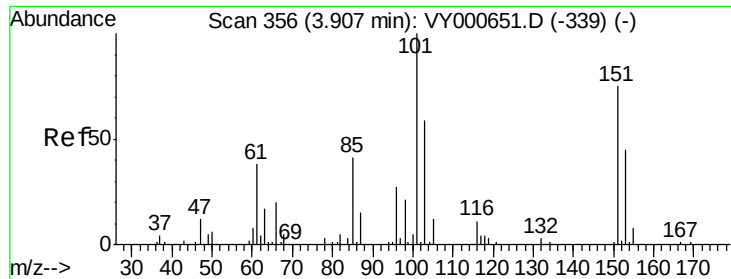
101 100

103 65.8 45.8 85.0



Abundance Ion 101.00 (100.70 to 101.70): VY000656.D (-218) (-)





#11

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

Concen: 0.443 ug/L

RT: 3.90 min Scan# 354

Delta R.T. -0.01 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

ClientSampled :

MDL04

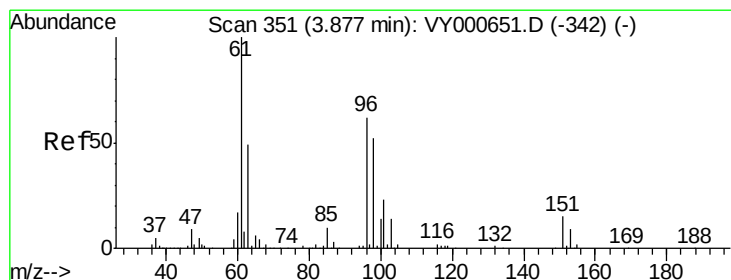
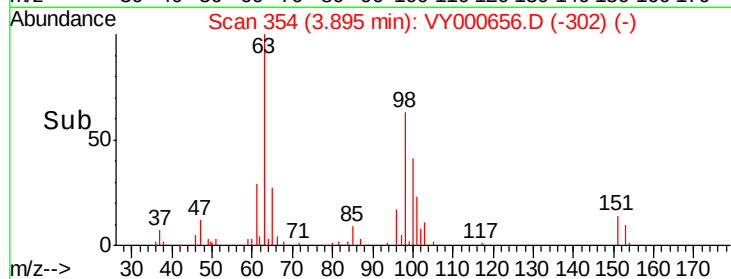
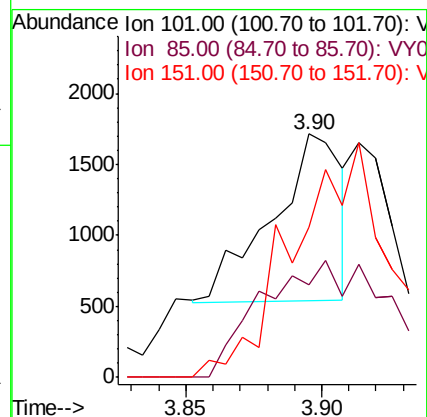
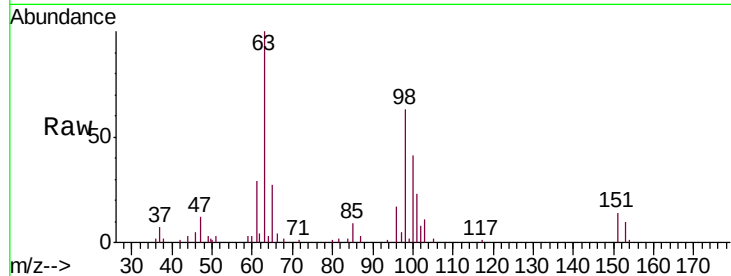
Tgt Ion:101 Resp: 2102

Ion Ratio Lower Upper

101 100

85 79.0 35.3 52.9#

151 138.3 61.9 92.9#



#12

1,1-Dichloroethene

Concen: 1.262 ug/L

RT: 3.88 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

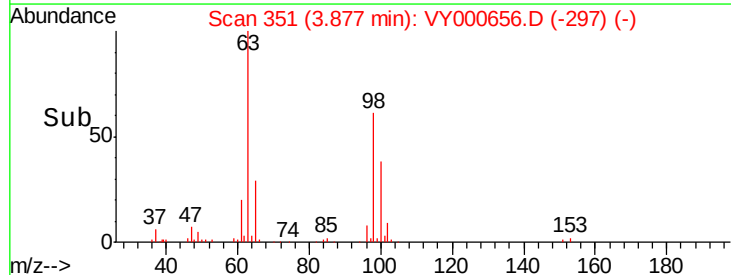
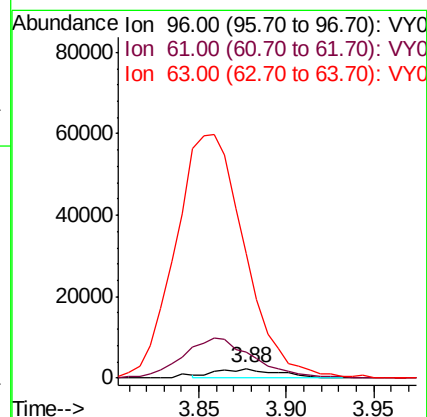
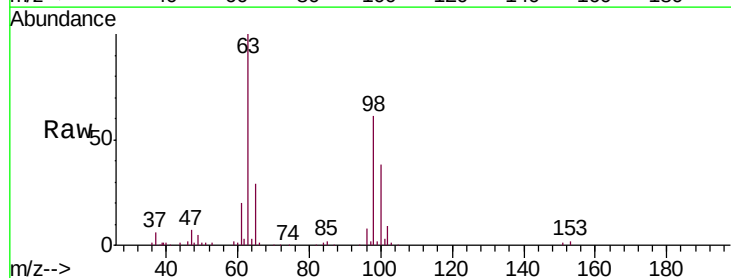
Tgt Ion: 96 Resp: 5839

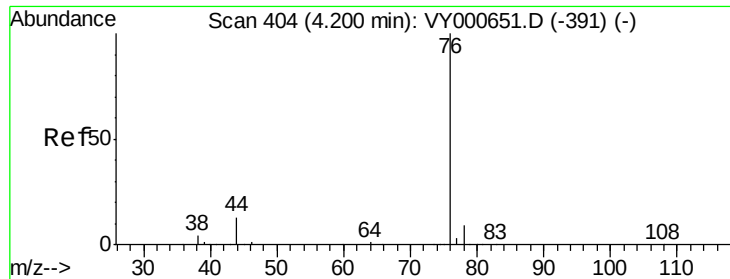
Ion Ratio Lower Upper

96 100

61 265.3 113.5 210.9#

63 1294.7 94.3 175.1#





#14

Carbon disulfide

Concen: 0.996 ug/L

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY000656.D

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Instrument :

MSVOA_Y

ClientSampled :

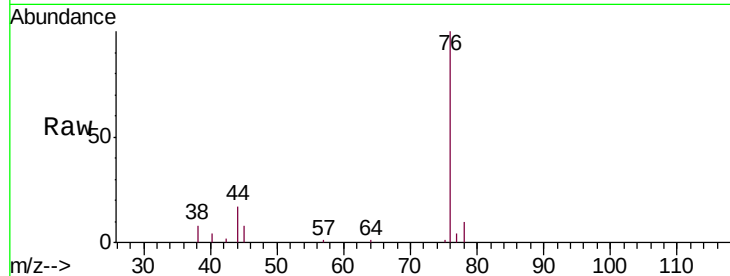
MDL04

Tgt Ion: 76 Resp: 14211

Ion Ratio Lower Upper

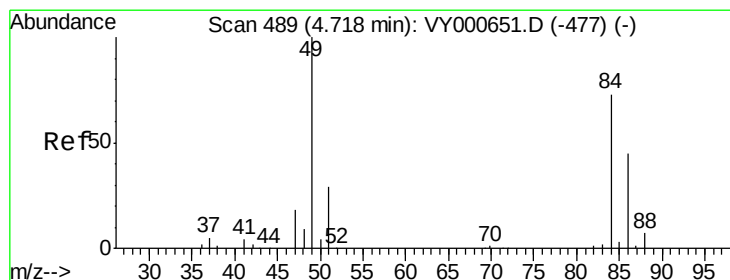
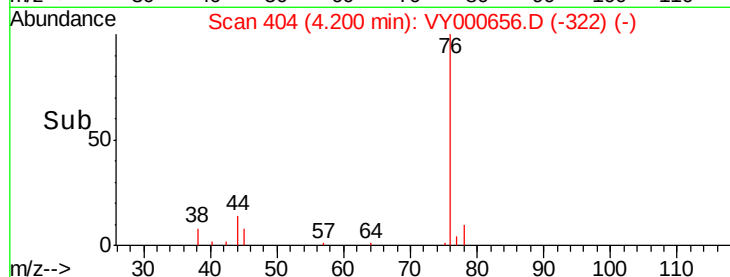
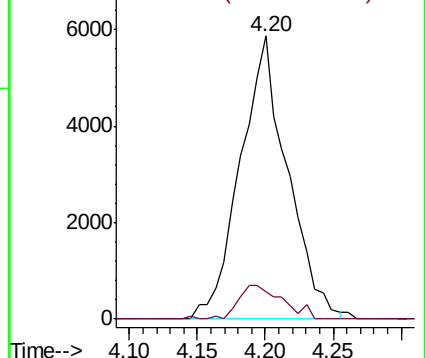
76 100

78 9.6 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: 2.016 ug/L

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

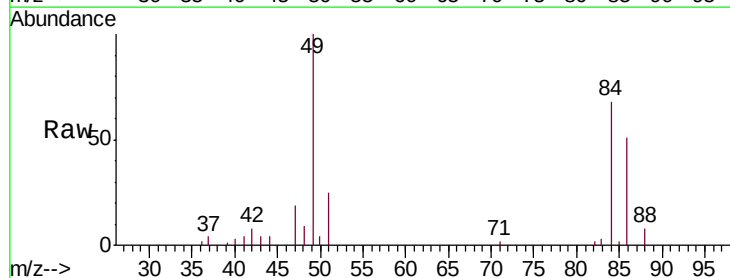
Tgt Ion: 84 Resp: 11876

Ion Ratio Lower Upper

84 100

49 146.2 88.8 165.0

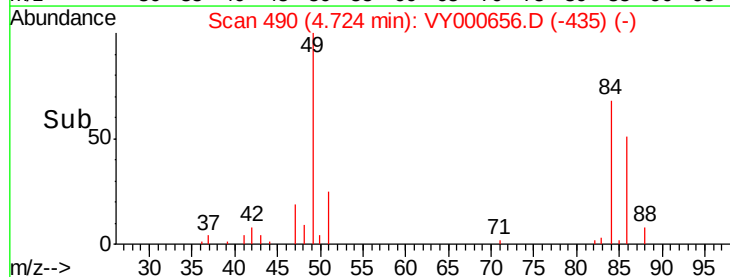
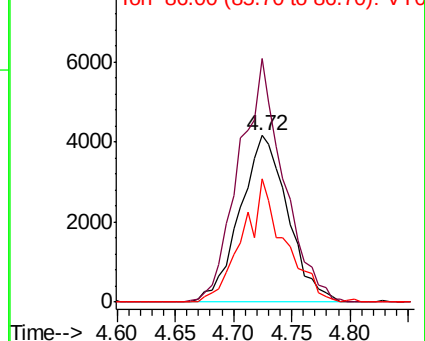
86 74.1 43.9 81.5

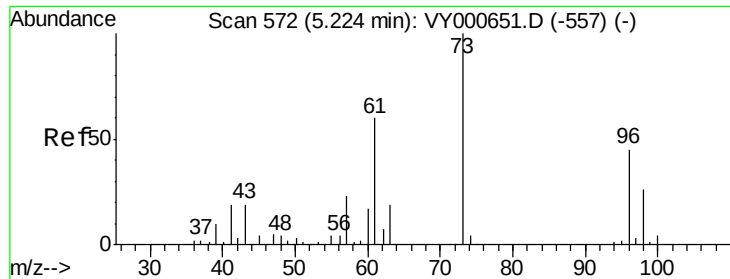


Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

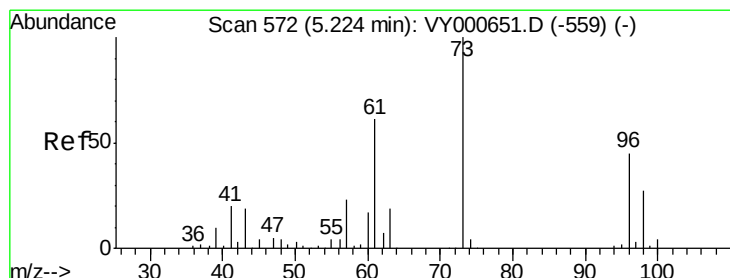
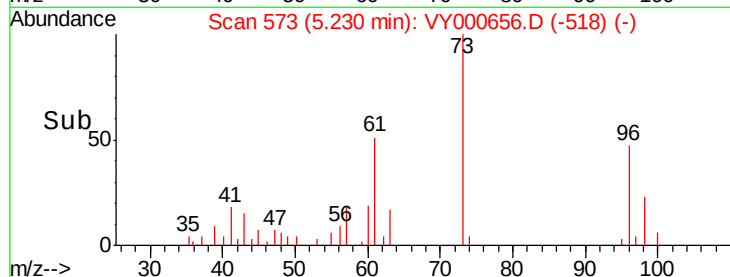
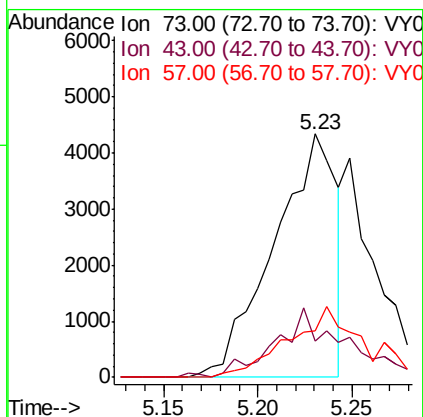
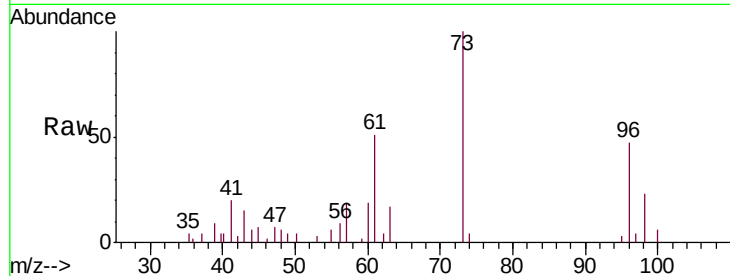




#17
Methyl tert-butyl Ether
Concen: 0.710 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000656.D
Acq: 12 Nov 2019 15:18

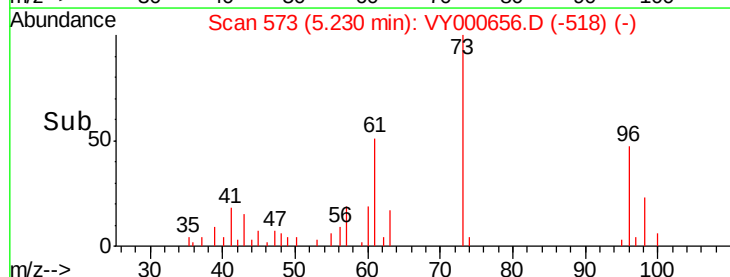
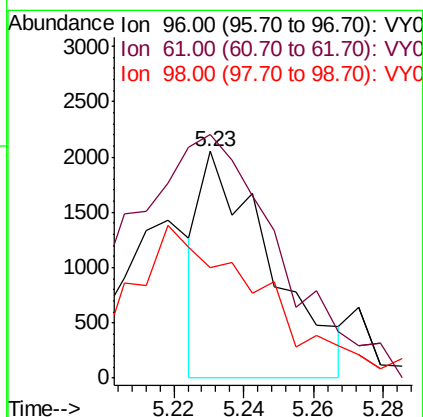
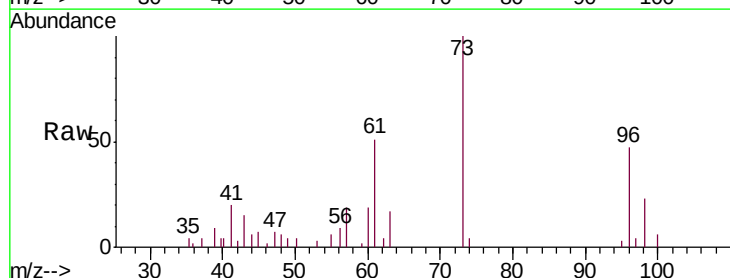
Instrument :
MSVOA_Y
ClientSampleId :
MDL04

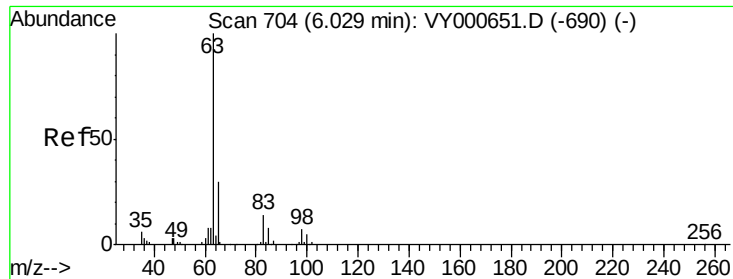
Tgt Ion: 73 Resp: 10000
Ion Ratio Lower Upper
73 100
43 2.7 15.4 23.0#
57 29.4 17.5 26.3#



#18
trans-1,2-Dichloroethene
Concen: 0.550 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000656.D
Acq: 12 Nov 2019 15:18

Tgt Ion: 96 Resp: 2840
Ion Ratio Lower Upper
96 100
61 107.5 91.8 170.4
98 48.7 46.3 85.9





#19

1,1-Dichloroethane

Concen: 0.685 ug/L

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

ClientSampleId :

MDL04

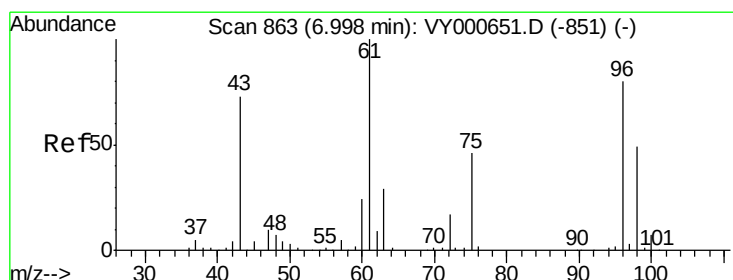
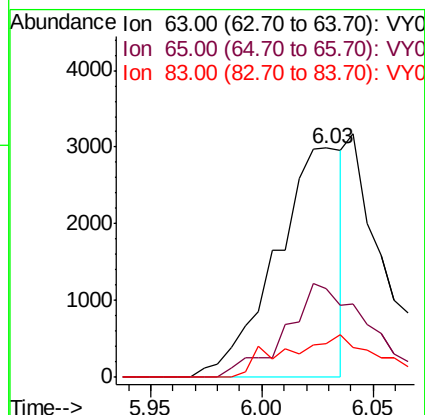
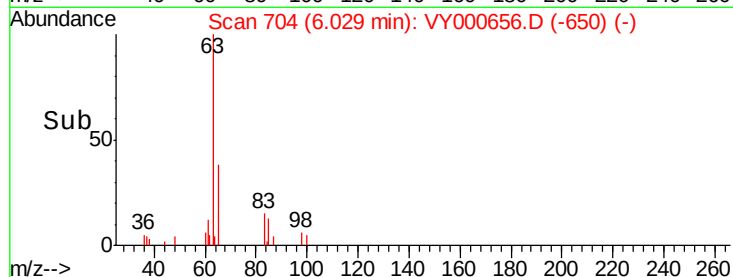
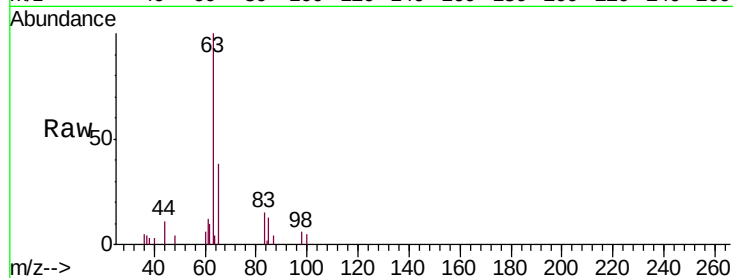
Tgt Ion: 63 Resp: 6229

Ion Ratio Lower Upper

63 100

65 38.5 23.9 44.5

83 14.6 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 1.069 ug/L

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

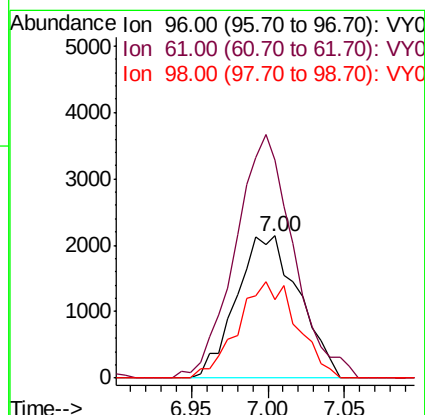
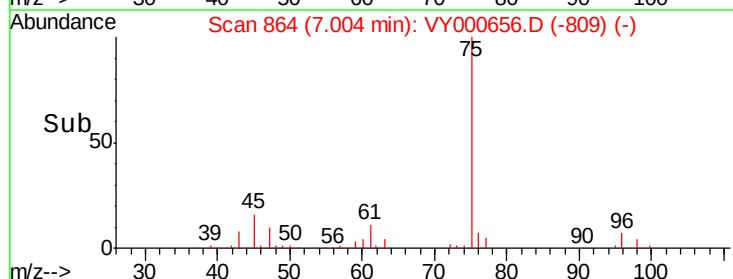
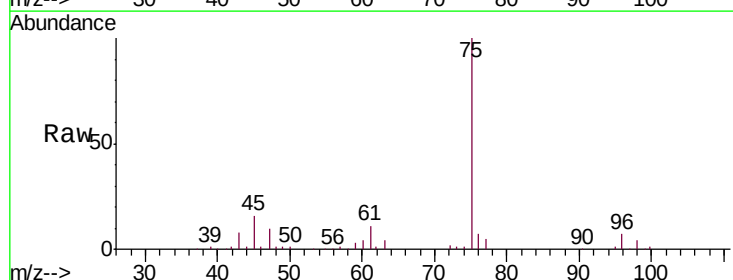
Tgt Ion: 96 Resp: 6112

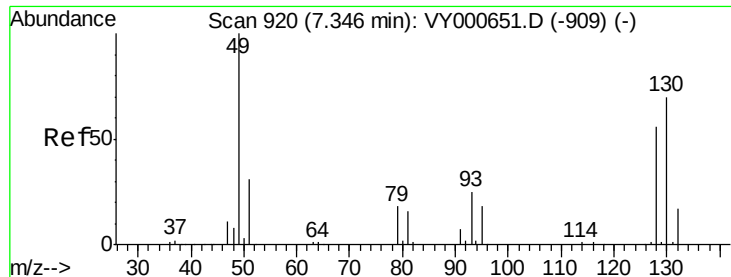
Ion Ratio Lower Upper

96 100

61 152.8 86.8 161.2

98 54.7 44.6 82.8





#23

Bromochloromethane

Concen: 0.621 ug/L

RT: 7.34 min Scan# 919

Delta R.T. -0.01 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

ClientSampleId :

MDL04

Tgt Ion:128 Resp: 1550

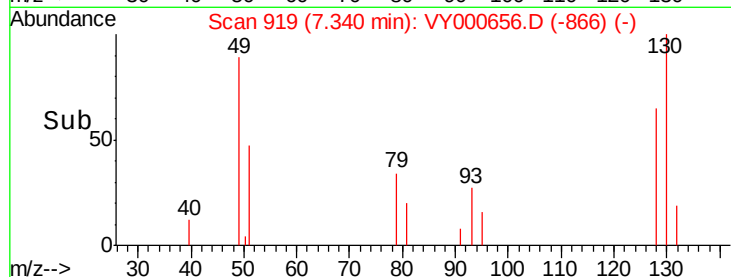
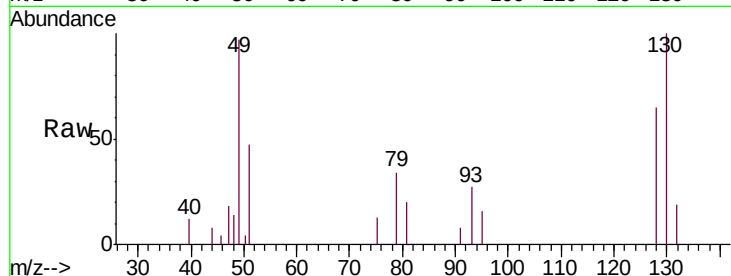
Ion Ratio Lower Upper

128 100

49 148.0 131.5 244.3

130 153.0 96.7 179.5

51 72.4 45.3 67.9#

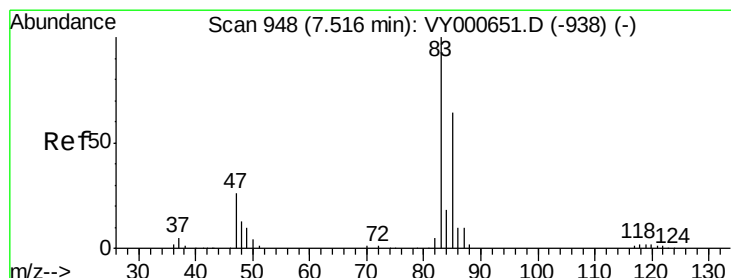
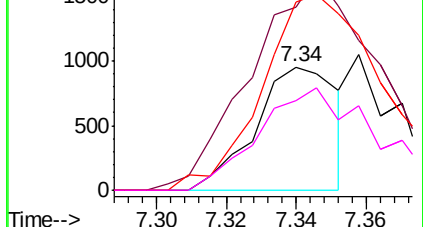


Abundance Ion 128.00 (127.70 to 128.70): V

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: 0.772 ug/L

RT: 7.51 min Scan# 947

Delta R.T. -0.01 min

Lab File: VY000656.D

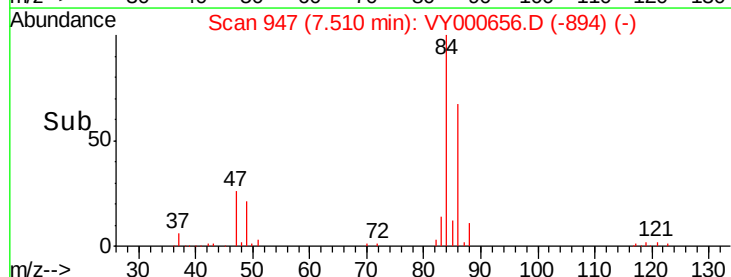
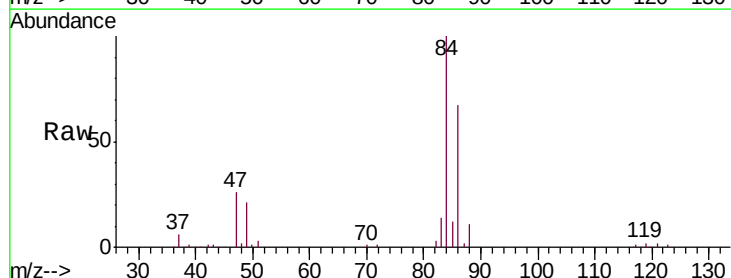
Acq: 12 Nov 2019 15:18

Tgt Ion: 83 Resp: 7564

Ion Ratio Lower Upper

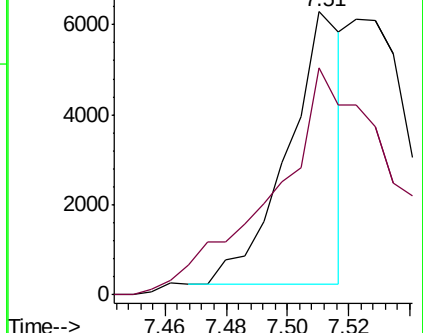
83 100

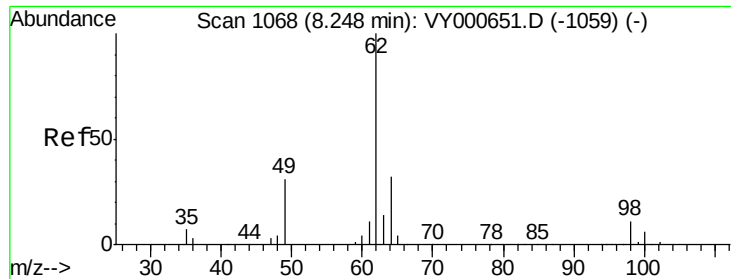
85 178.3 45.6 84.6#



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

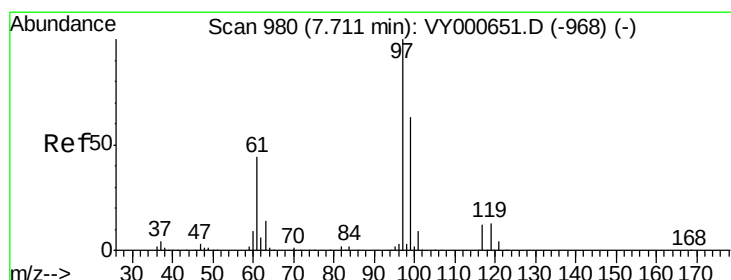
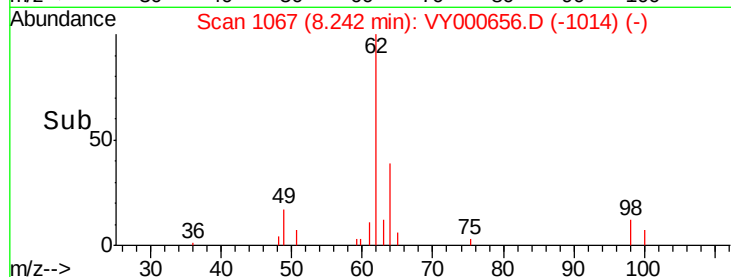
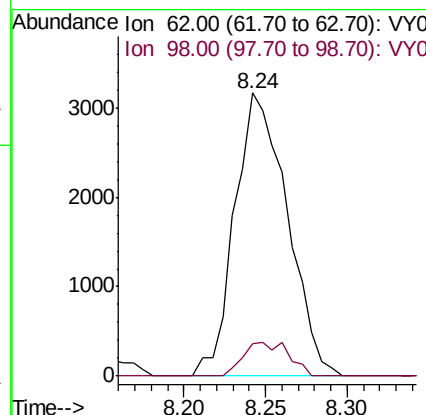
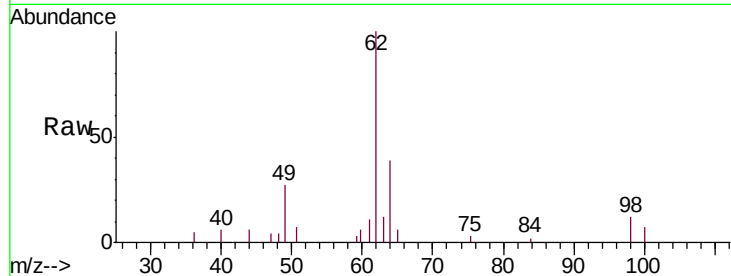




#27
 1,2-Dichloroethane
 Concen: 1.084 ug/L
 RT: 8.24 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VY000656.D
 Acq: 12 Nov 2019 15:18

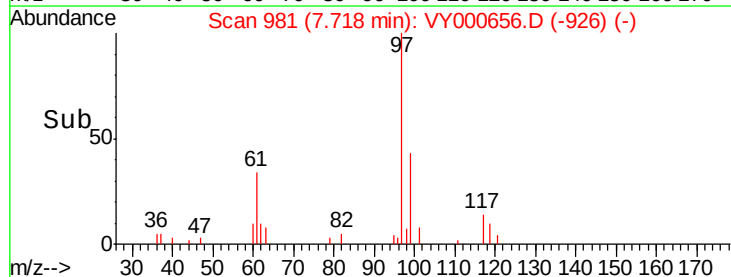
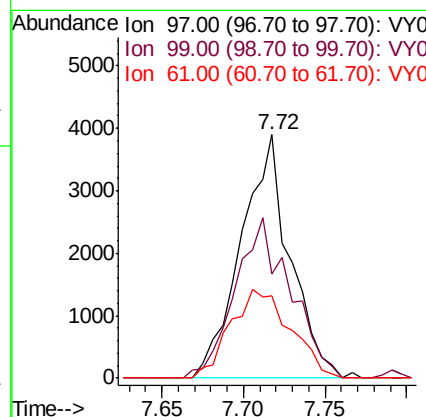
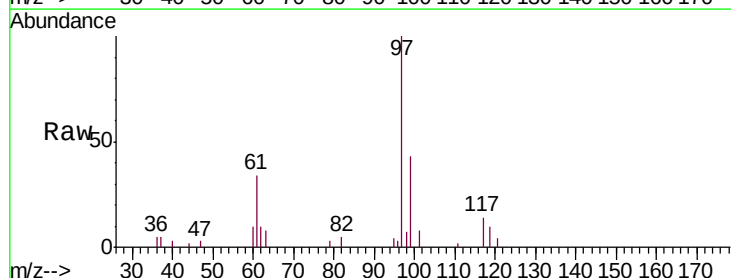
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL04

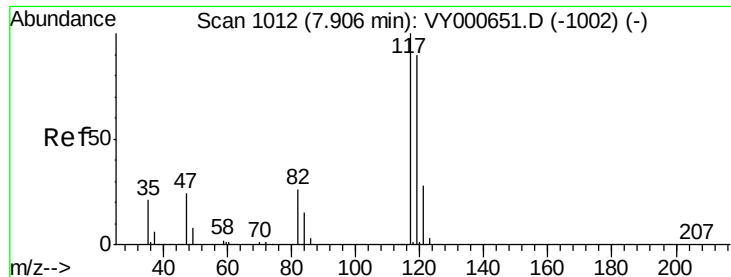
Tgt Ion: 62 Resp: 7099
 Ion Ratio Lower Upper
 62 100
 98 11.7 7.5 11.3#



#31
 1,1,1-Trichloroethane
 Concen: 1.023 ug/L
 RT: 7.72 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VY000656.D
 Acq: 12 Nov 2019 15:18

Tgt Ion: 97 Resp: 8152
 Ion Ratio Lower Upper
 97 100
 99 74.4 51.4 77.0
 61 44.7 34.7 52.1





#32

Carbon tetrachloride

Concen: 0.652 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

ClientSampleId :

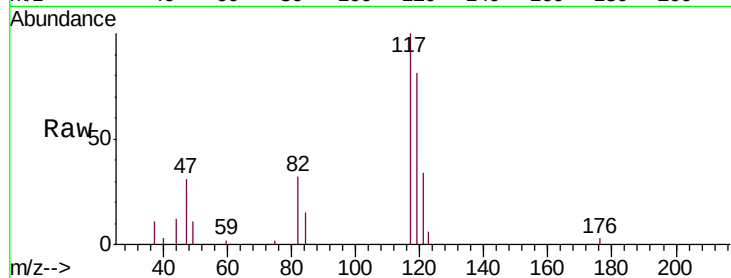
MDL04

Tgt Ion:117 Resp: 4527

Ion Ratio Lower Upper

117 100

119 149.9 76.2 114.2#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

7.91

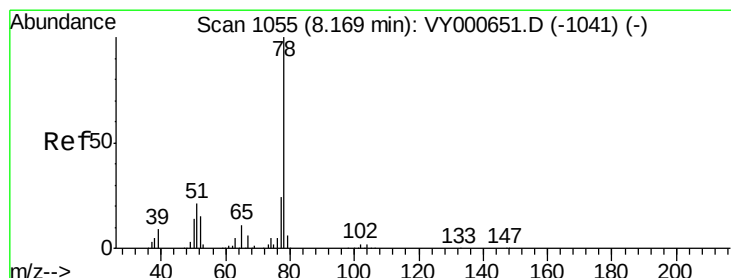
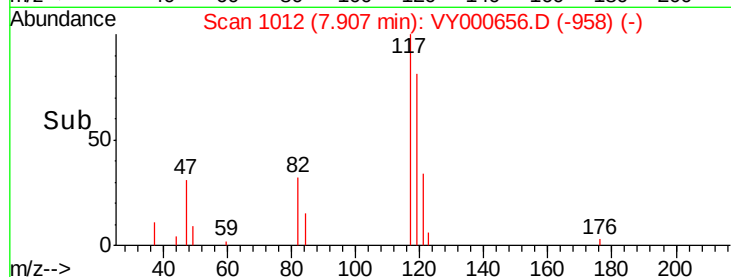
3000

2000

1000

0

Time--> 7.84 7.86 7.88 7.90 7.92



#34

Benzene

Concen: 1.118 ug/L

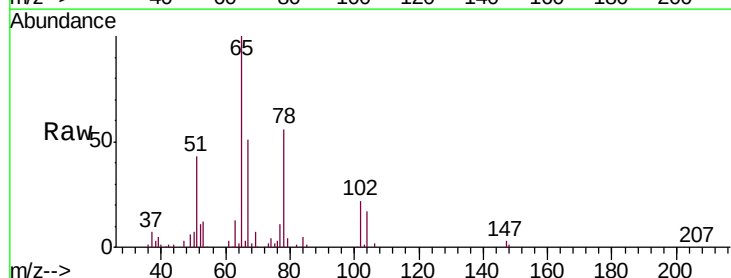
RT: 8.17 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Tgt Ion: 78 Resp: 23648



Abundance Ion 78.00 (77.70 to 78.70): VY0

12000

10000

8000

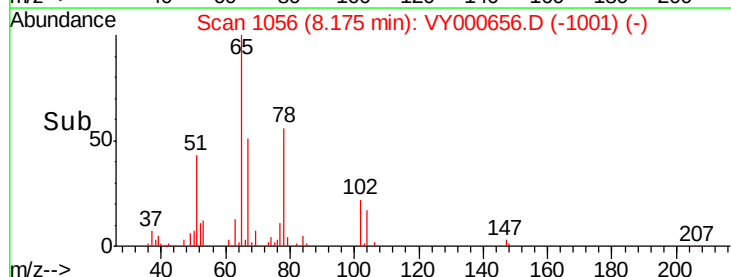
6000

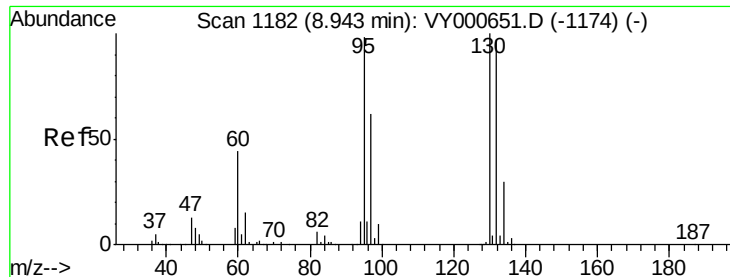
4000

2000

0

Time--> 8.10 8.15 8.20 8.25

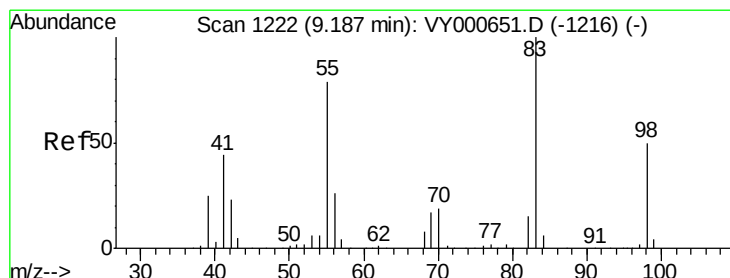
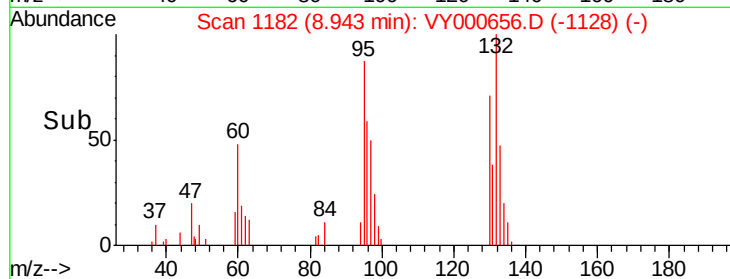
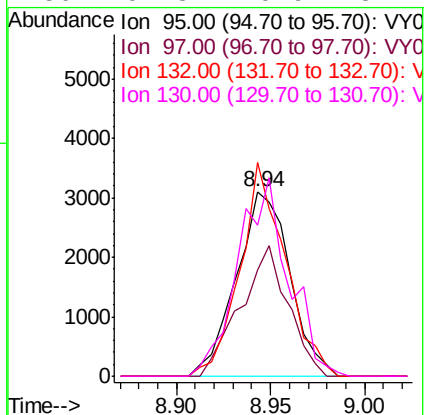
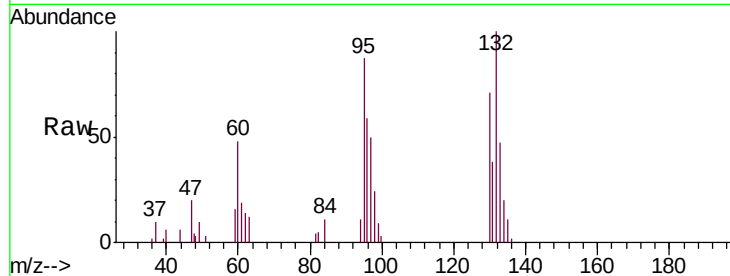




#35
 Trichloroethene
 Concen: 1.101 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VY000656.D
 Acq: 12 Nov 2019 15:18

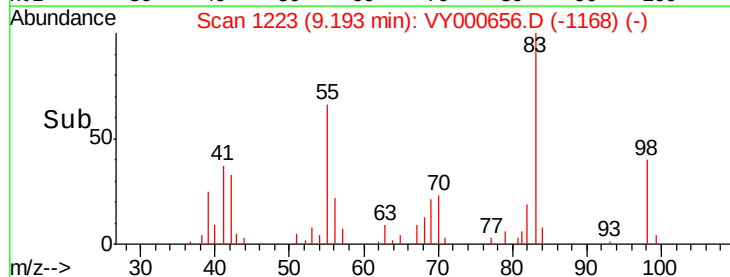
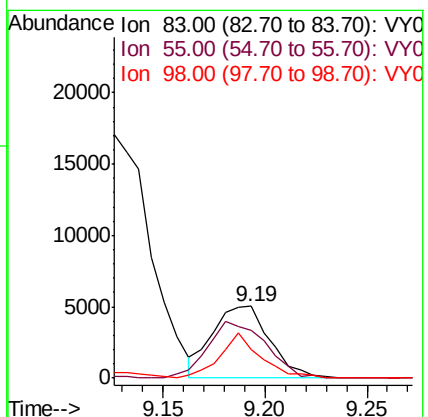
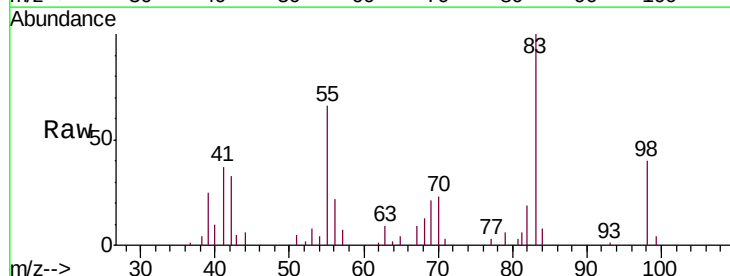
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL04

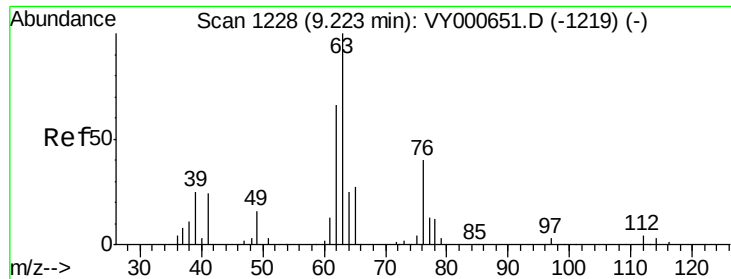
Tgt Ion:	95	Resp:	6108
Ion	Ratio	Lower	Upper
95	100		
97	63.2	44.4	82.4
132	97.9	66.8	124.0
130	102.3	70.9	131.7



#36
 Methylcyclohexane
 Concen: 1.037 ug/L
 RT: 9.19 min Scan# 1223
 Delta R.T. 0.01 min
 Lab File: VY000656.D
 Acq: 12 Nov 2019 15:18

Tgt Ion:	83	Resp:	9846
Ion	Ratio	Lower	Upper
83	100		
55	80.2	60.0	90.0
98	39.8	40.2	60.2#





#40

1,2-Dichloropropane

Concen: 1.122 ug/L

RT: 9.23 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

ClientSampleId :

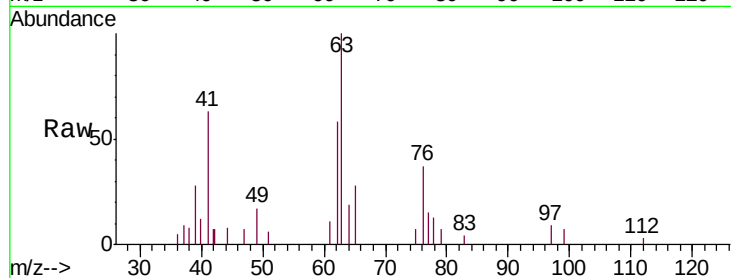
MDL04

Tgt Ion: 63 Resp: 6012

Ion Ratio Lower Upper

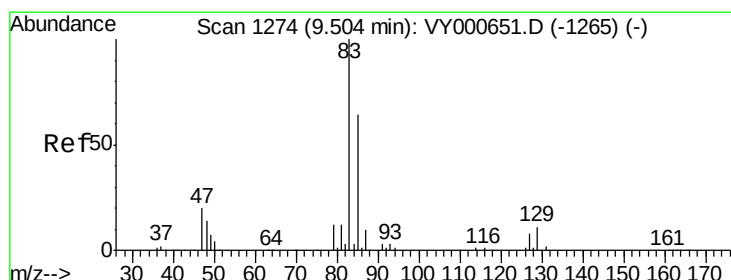
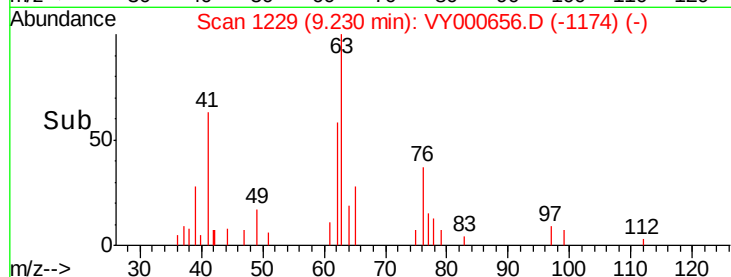
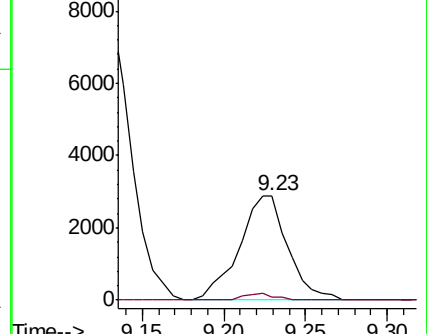
63 100

112 3.9 3.2 4.8



Abundance Ion 63.00 (62.70 to 63.70): VY0

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 1.024 ug/L

RT: 9.50 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

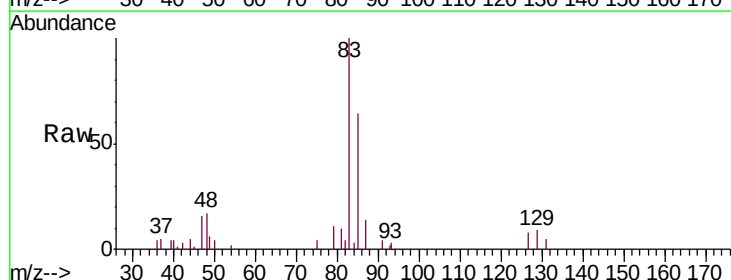
Tgt Ion: 83 Resp: 7061

Ion Ratio Lower Upper

83 100

85 63.9 46.1 85.5

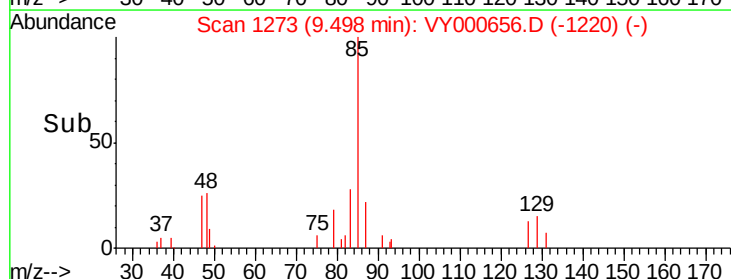
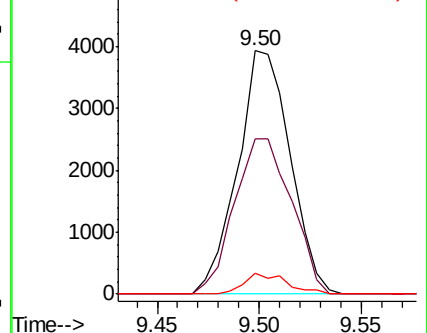
127 8.3 6.5 9.7

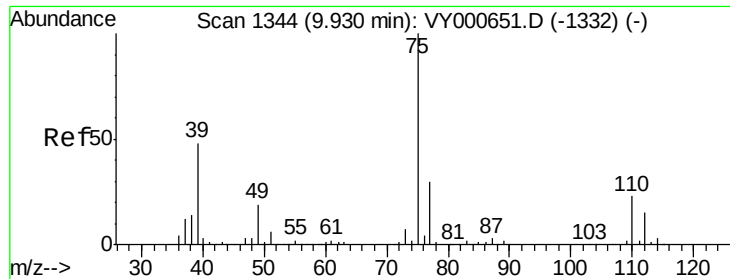


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 127.00 (126.70 to 127.70): V



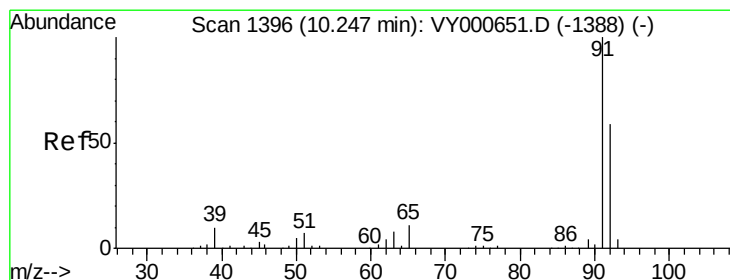
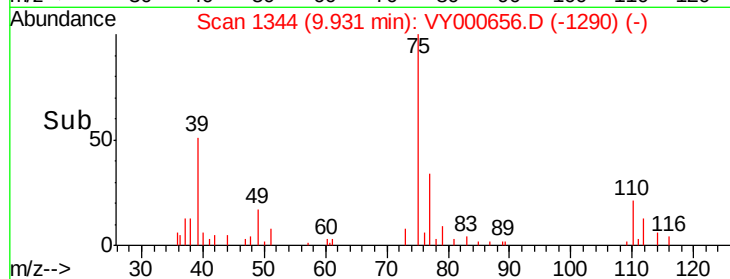
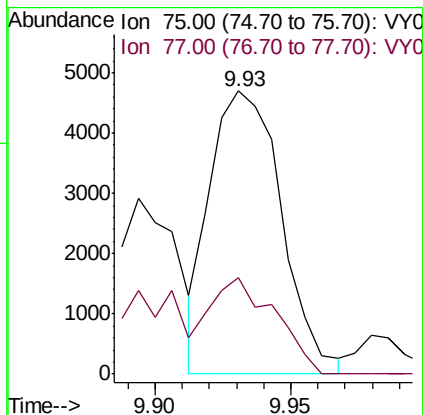
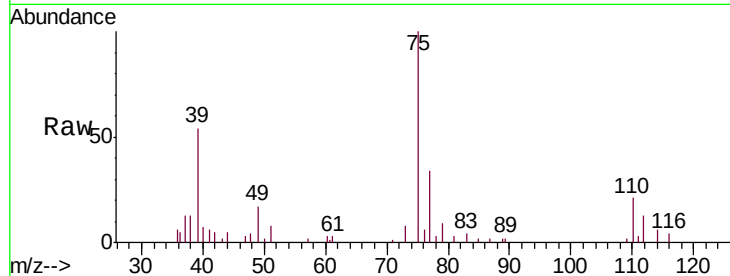


#42

cis-1,3-Dichloropropene
Concen: 0.989 ug/L
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY000656.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_Y
ClientSampled :
MDL04

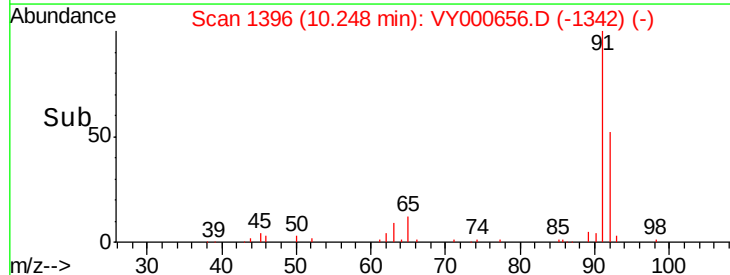
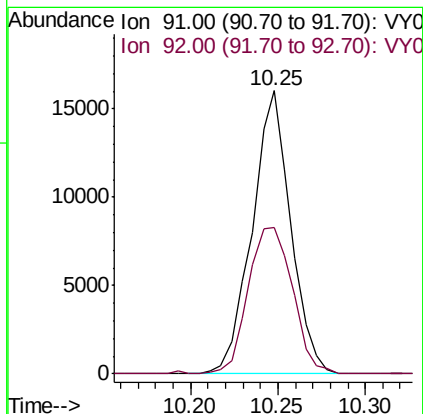
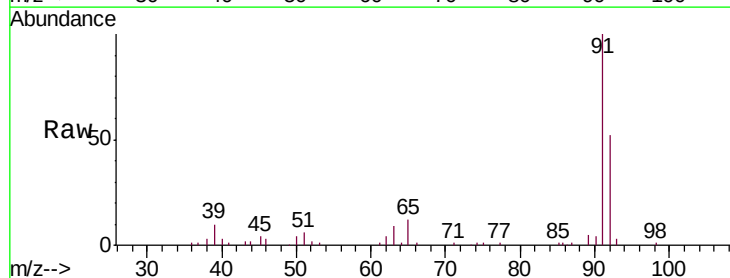
Tgt Ion: 75 Resp: 8540
Ion Ratio Lower Upper
75 100
77 34.0 21.7 40.3

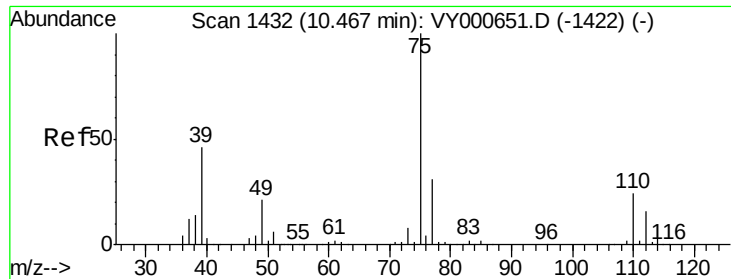


#44

Toluene
Concen: 1.086 ug/L
RT: 10.25 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VY000656.D
Acq: 12 Nov 2019 15:18

Tgt Ion: 91 Resp: 24835
Ion Ratio Lower Upper
91 100
92 51.7 39.5 73.4





#45

trans-1,3-Dichloropropene

Concen: 1.400 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

ClientSampled :

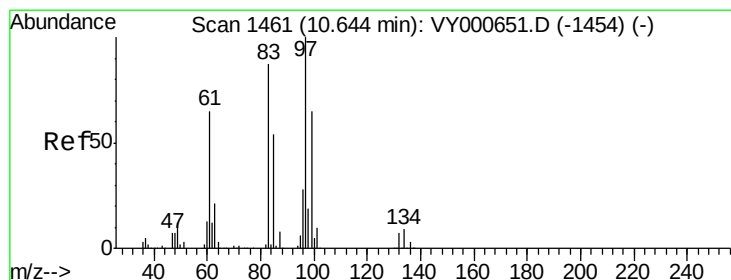
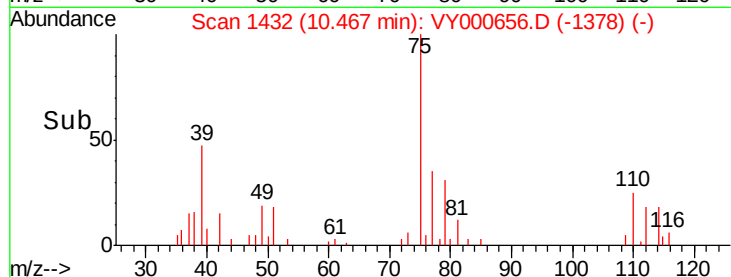
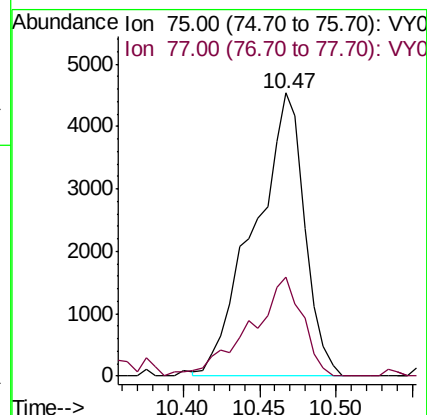
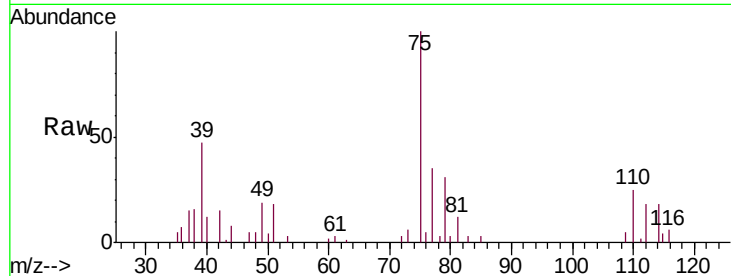
MDL04

Tgt Ion: 75 Resp: 10382

Ion Ratio Lower Upper

75 100

77 35.1 20.4 37.8



#46

1,1,2-Trichloroethane

Concen: 1.110 ug/L

RT: 10.64 min Scan# 1461

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Tgt Ion: 97 Resp: 4878

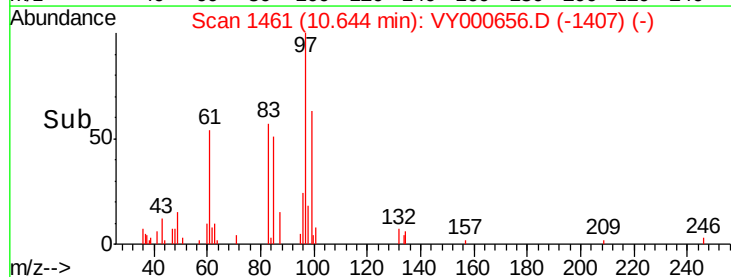
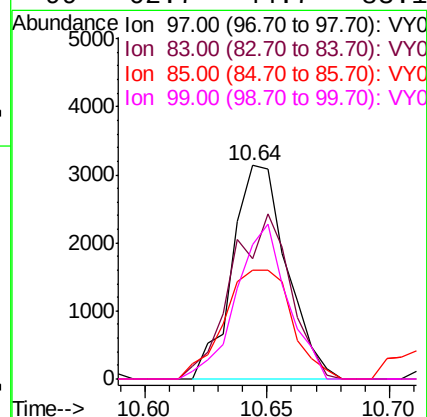
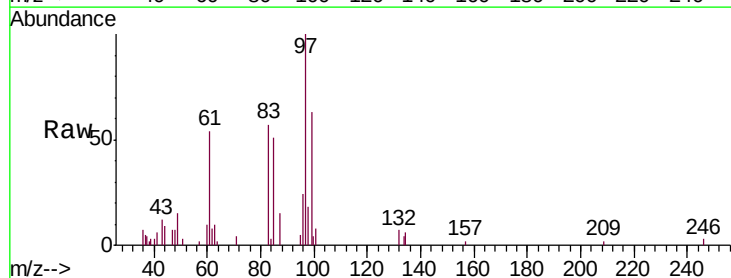
Ion Ratio Lower Upper

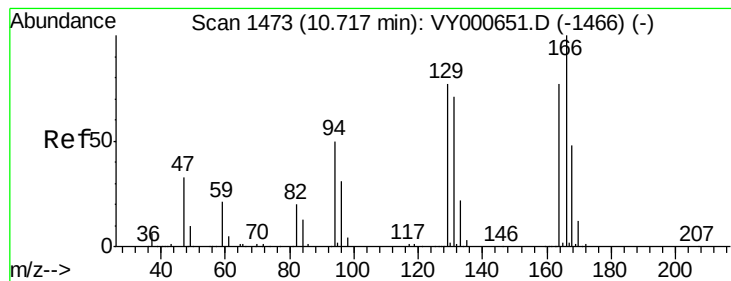
97 100

83 56.6 58.7 109.1#

85 51.2 37.3 69.3

99 62.7 44.7 83.1





#47

Tetrachloroethene

Concen: 1.137 ug/L

RT: 10.72 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

ClientSampled :

MDL04

Tgt Ion:164 Resp: 4710

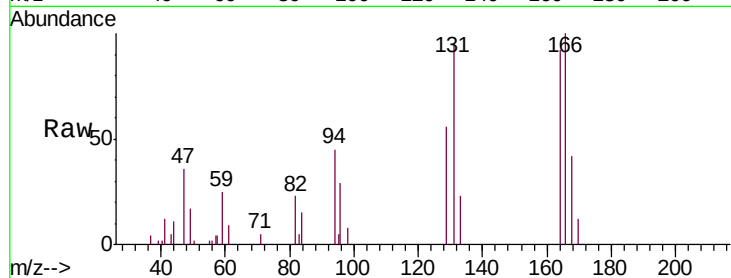
Ion Ratio Lower Upper

164 100

129 61.2 69.6 129.2#

131 103.5 66.8 124.2

166 109.1 89.0 165.2

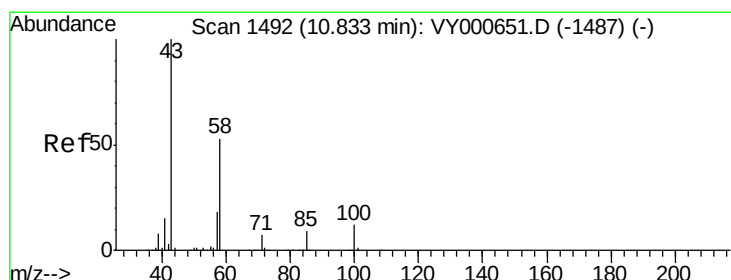
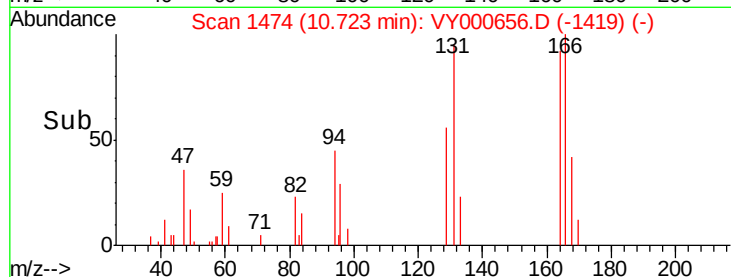
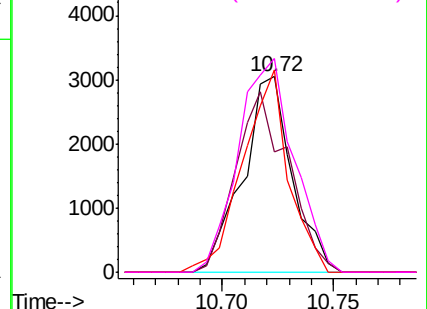


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

2-Hexanone

Concen: 2.269 ug/L

RT: 10.83 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Tgt Ion: 43 Resp: 9059

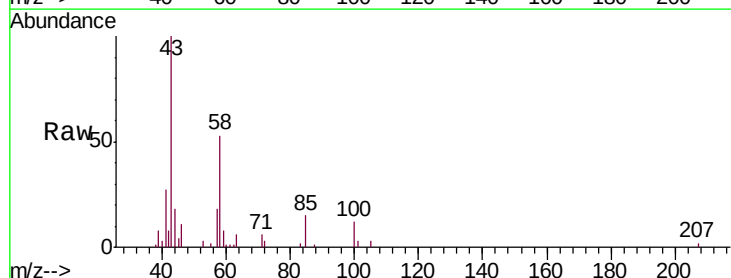
Ion Ratio Lower Upper

43 100

58 55.1 44.1 66.1

57 19.9 13.9 20.9

100 10.7 9.5 14.3

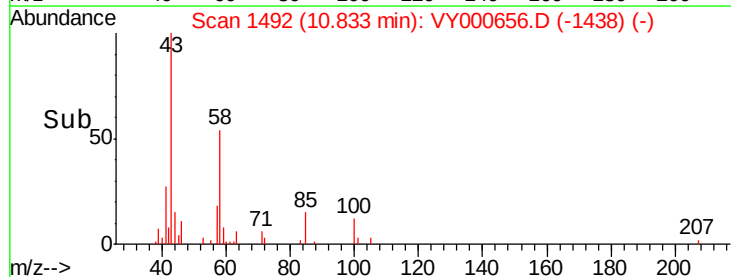
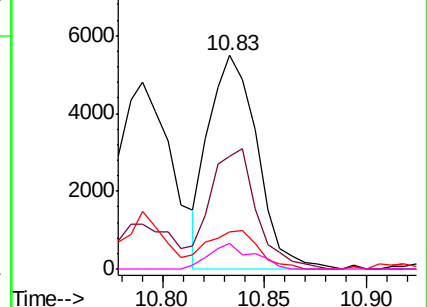


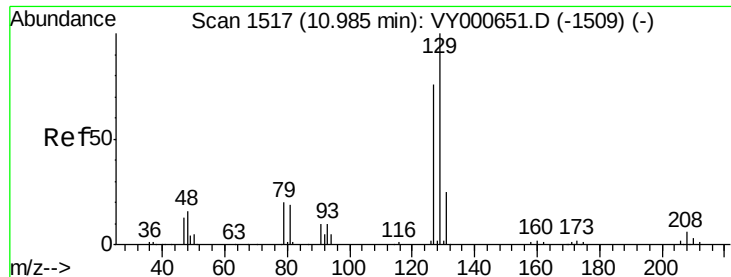
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#50

Dibromochloromethane

Concen: 0.982 ug/L

RT: 10.99 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

ClientSampleId :

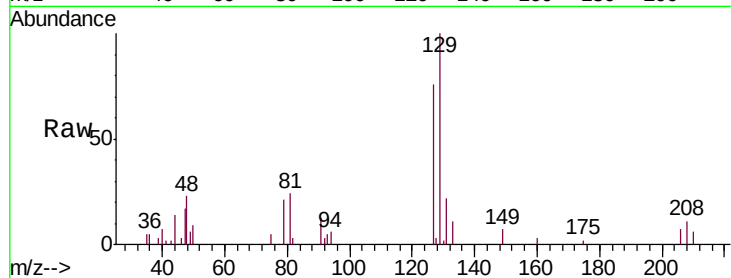
MDL04

Tgt Ion:129 Resp: 4875

Ion Ratio Lower Upper

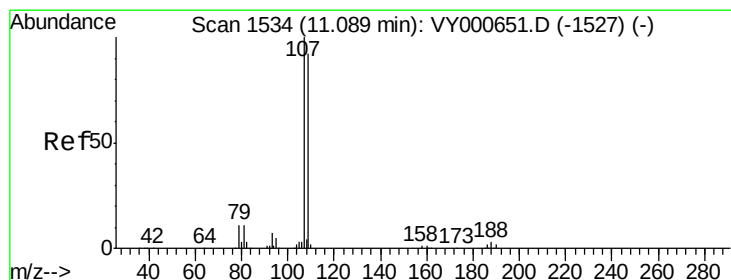
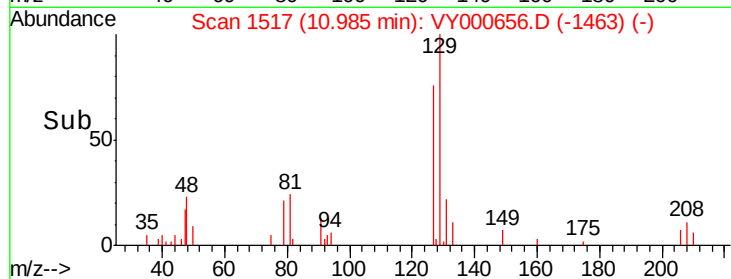
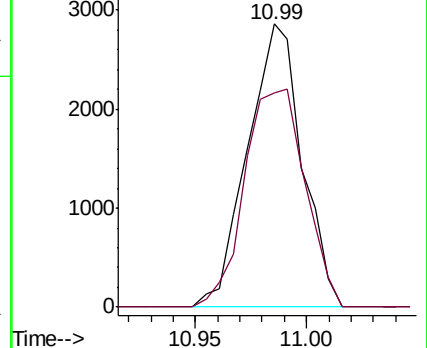
129 100

127 78.5 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: 1.015 ug/L

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

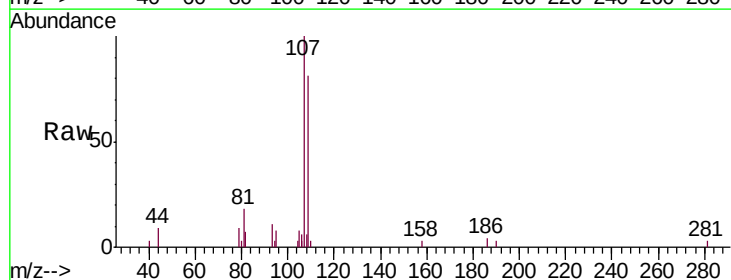
Tgt Ion:107 Resp: 4342

Ion Ratio Lower Upper

107 100

109 80.8 65.5 121.6

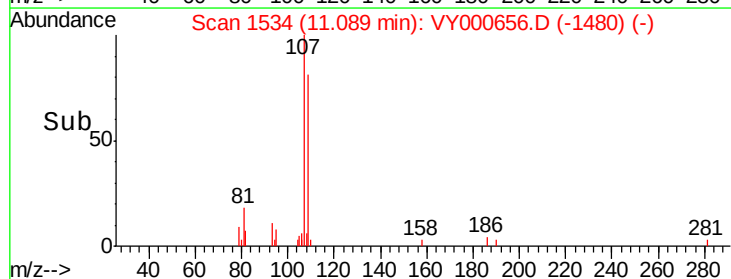
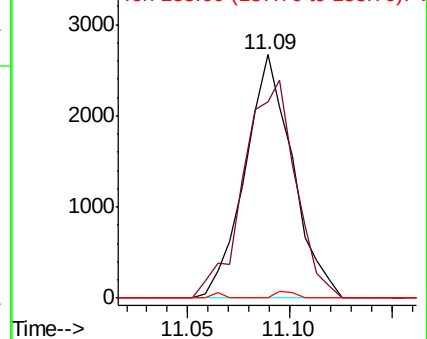
188 0.0 2.7 4.1#

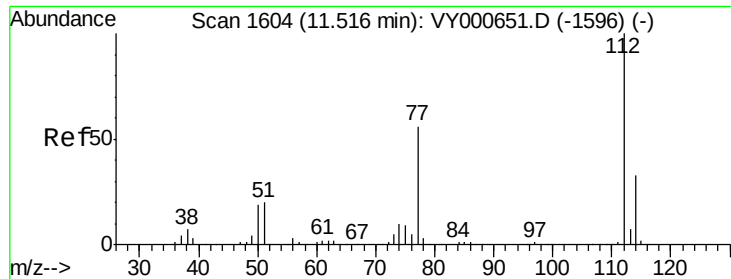


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 1.117 ug/L

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

ClientSampled :

MDL04

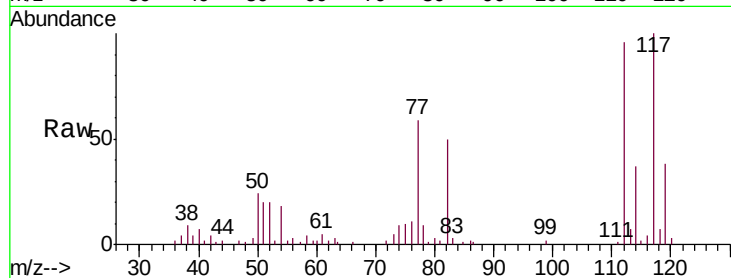
Tgt Ion: 112 Resp: 16207

Ion Ratio Lower Upper

112 100

77 60.9 47.4 71.0

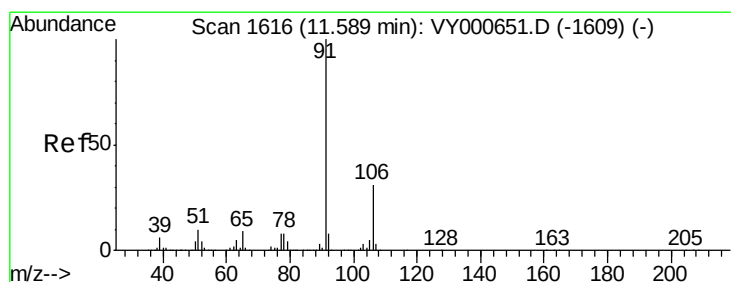
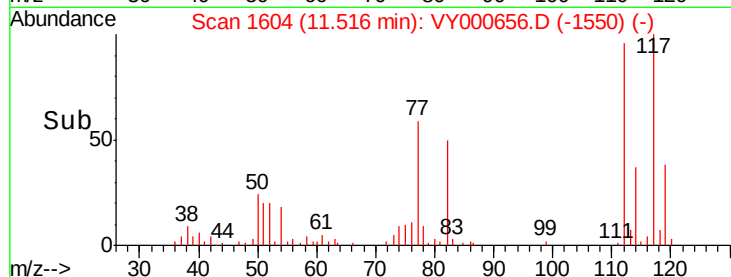
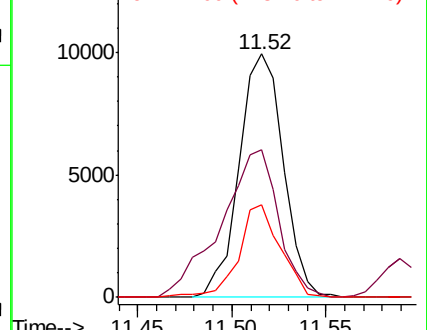
114 38.2 23.0 42.6



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: 1.043 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY000656.D

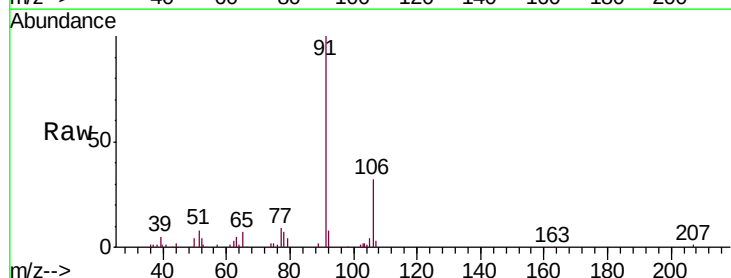
Acq: 12 Nov 2019 15:18

Tgt Ion: 91 Resp: 26969

Ion Ratio Lower Upper

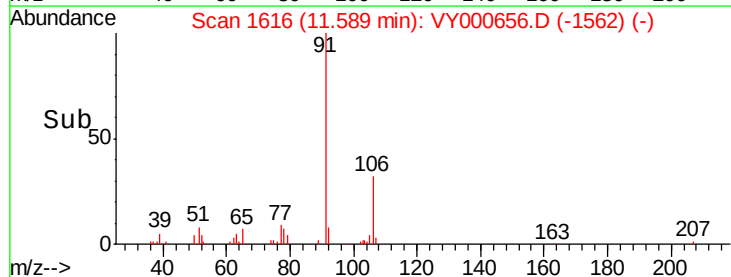
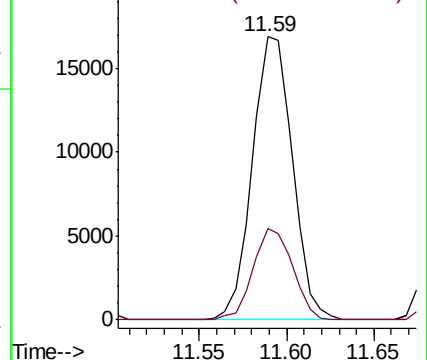
91 100

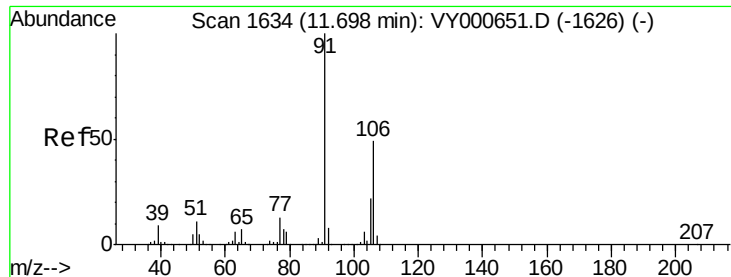
106 32.1 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 1.053 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

ClientSampled :

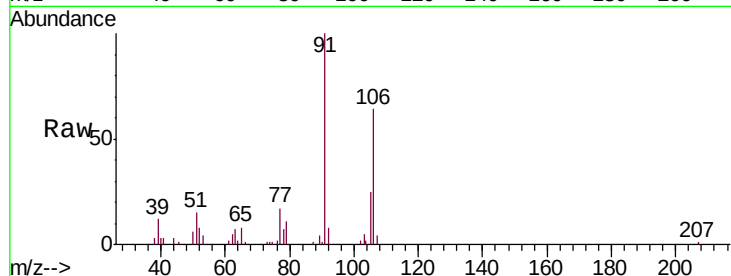
MDL04

Tgt Ion:106 Resp: 10305

Ion Ratio Lower Upper

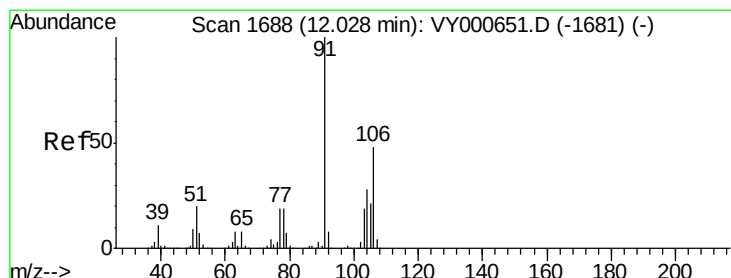
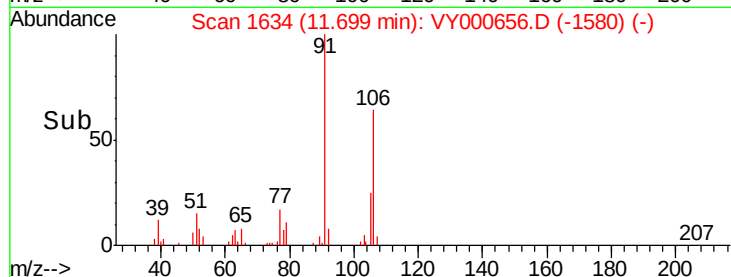
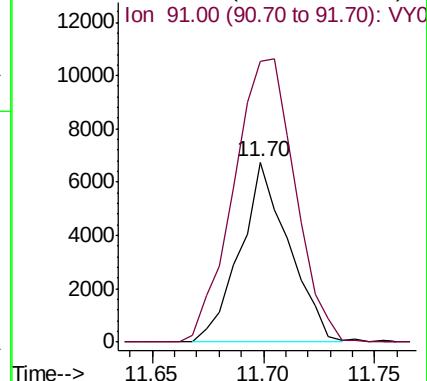
106 100

91 156.0 137.4 255.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

o-xylene

Concen: 0.977 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VY000656.D

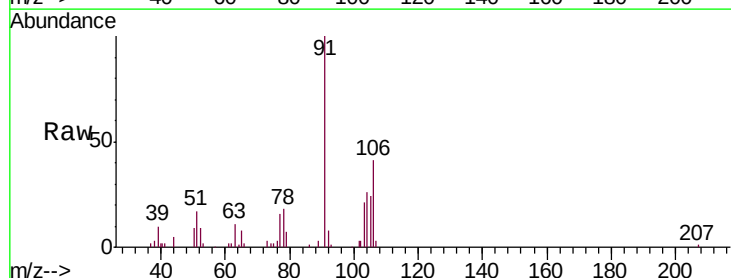
Acq: 12 Nov 2019 15:18

Tgt Ion:106 Resp: 9387

Ion Ratio Lower Upper

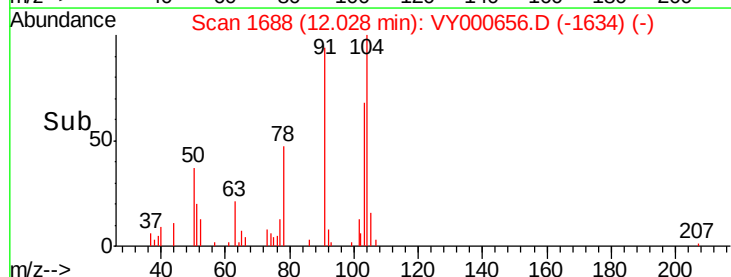
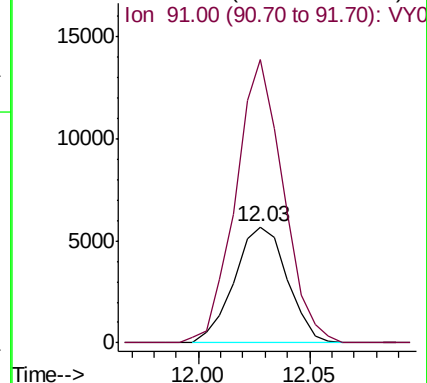
106 100

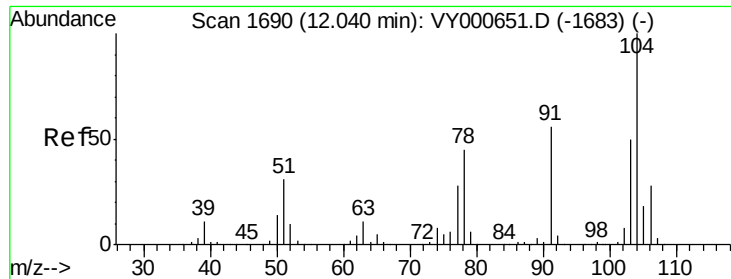
91 243.7 147.8 274.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#56

Styrene

Concen: 0.992 ug/L

RT: 12.04 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

ClientSampleId :

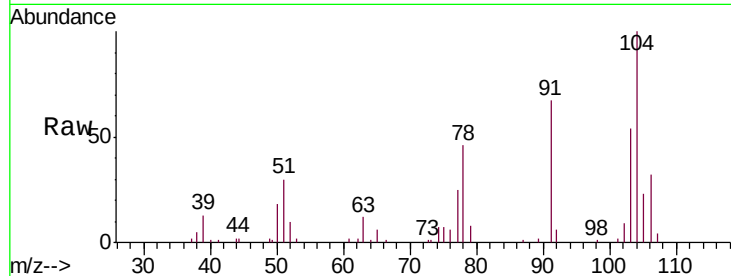
MDL04

Tgt Ion:104 Resp: 15832

Ion Ratio Lower Upper

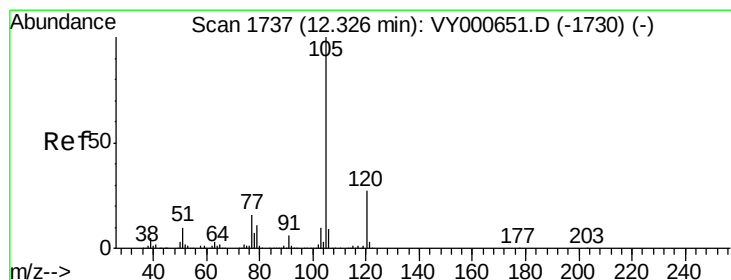
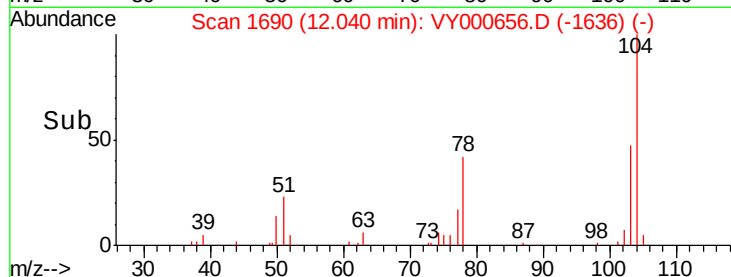
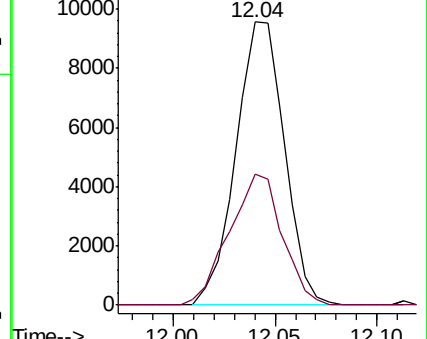
104 100

78 46.3 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: 1.039 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

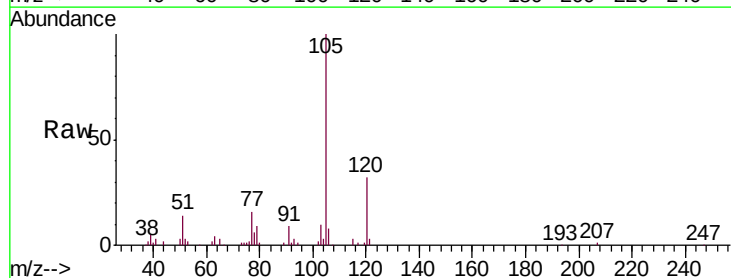
Tgt Ion:105 Resp: 25960

Ion Ratio Lower Upper

105 100

120 26.8 21.5 32.3

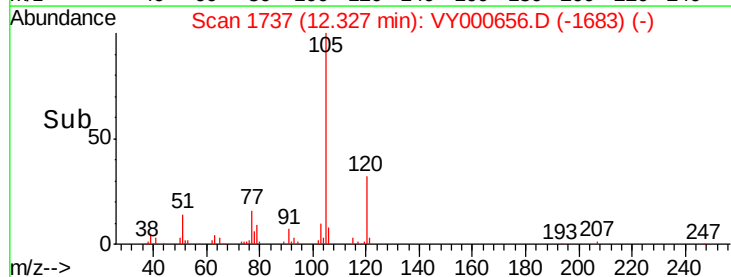
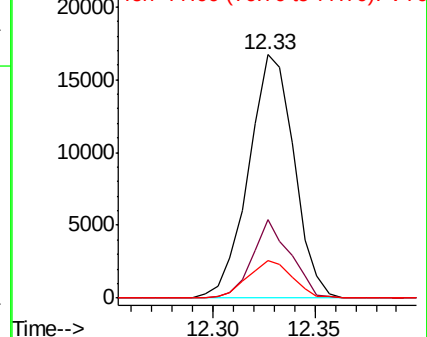
77 15.2 12.6 19.0

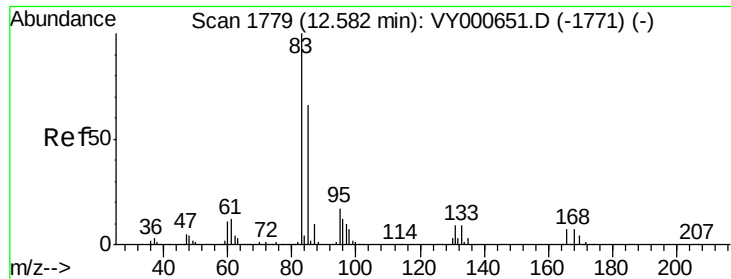


Abundance Ion 105.00 (104.70 to 105.70): V

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: 1.159 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

ClientSampled :

MDL04

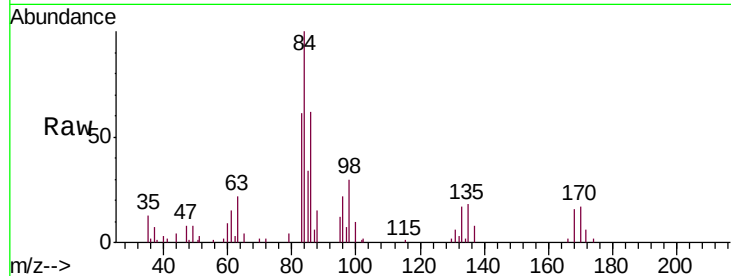
Tgt Ion: 83 Resp: 6357

Ion Ratio Lower Upper

83 100

85 55.8 45.0 83.6

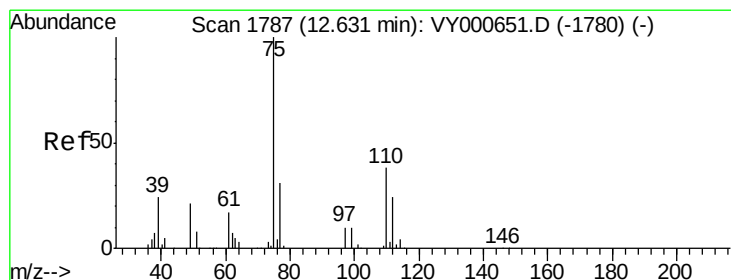
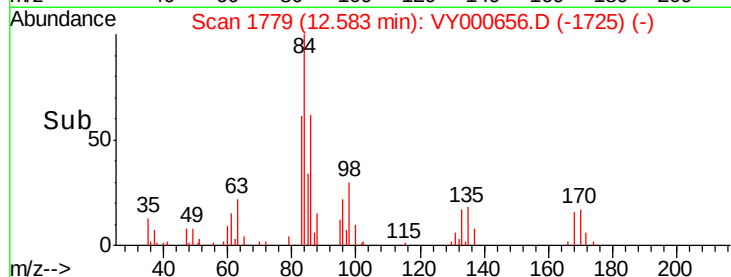
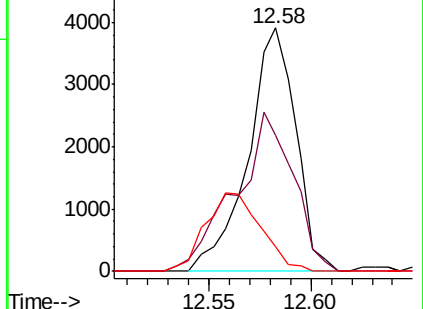
131 10.0 7.8 11.6



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 131.00 (130.70 to 131.70): VY0



#59

1,2,3-Trichloropropane

Concen: 1.161 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY000656.D

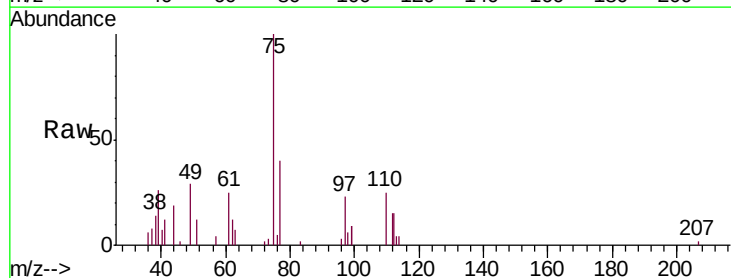
Acq: 12 Nov 2019 15:18

Tgt Ion: 75 Resp: 5177

Ion Ratio Lower Upper

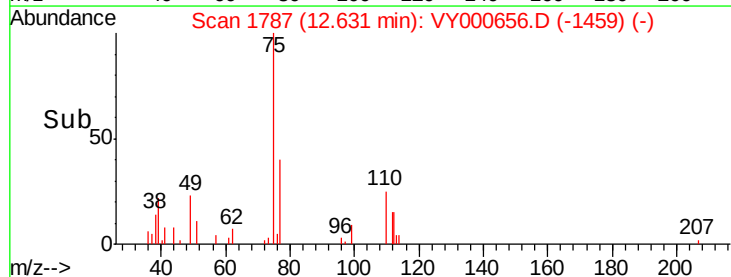
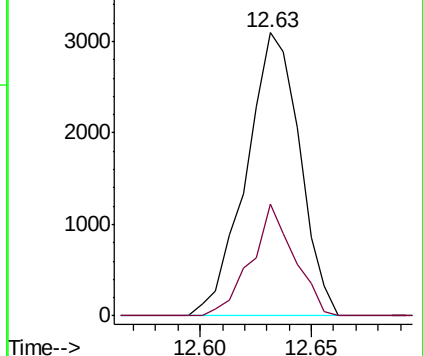
75 100

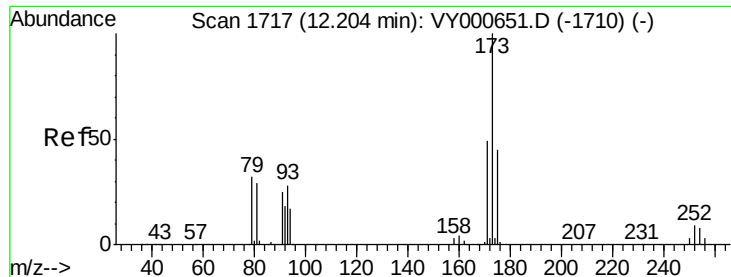
77 31.8 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0





#62

Bromoform

Concen: 0.978 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

ClientSampleId :

MDL04

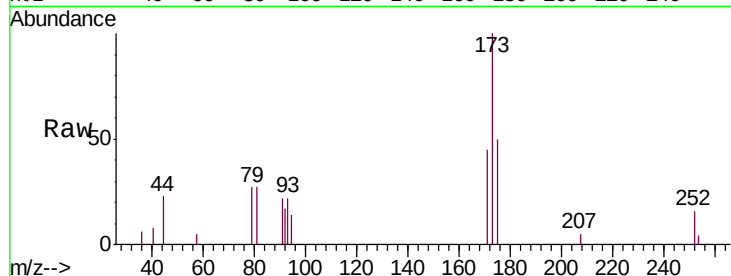
Tgt Ion:173 Resp: 2886

Ion Ratio Lower Upper

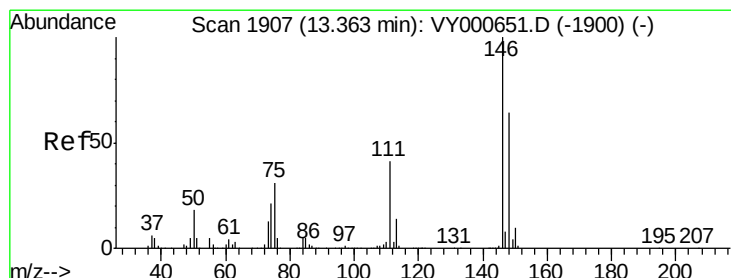
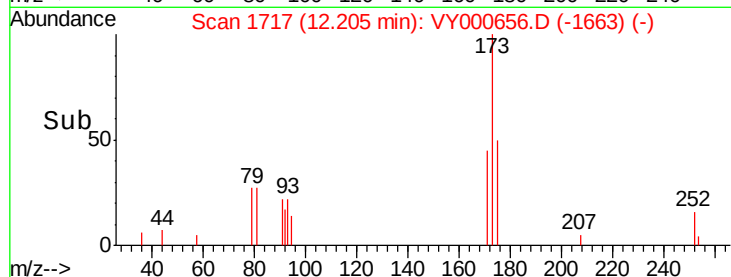
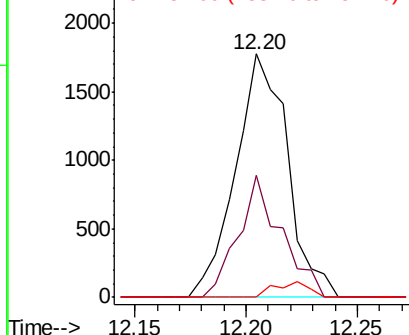
173 100

175 41.4 37.8 56.6

254 4.2 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: 1.121 ug/L

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

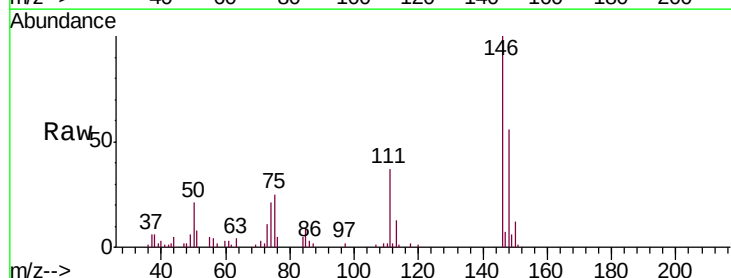
Tgt Ion:146 Resp: 12422

Ion Ratio Lower Upper

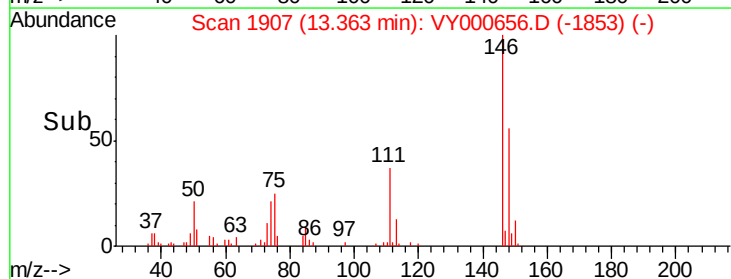
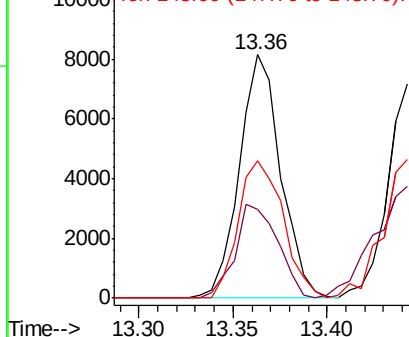
146 100

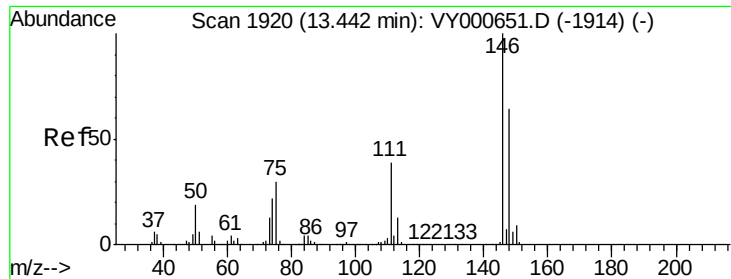
111 36.5 28.8 53.6

148 56.3 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

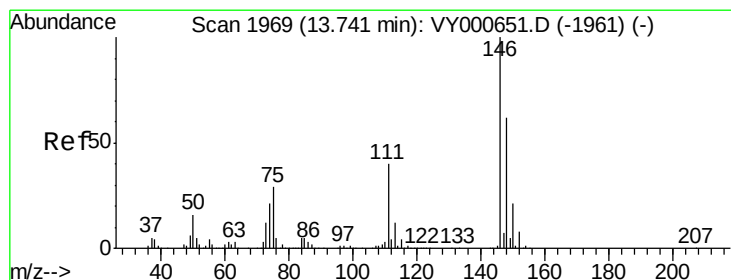
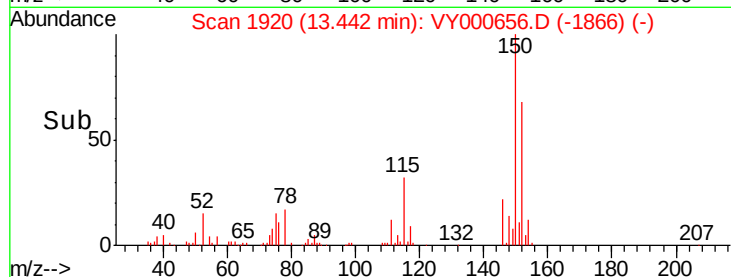
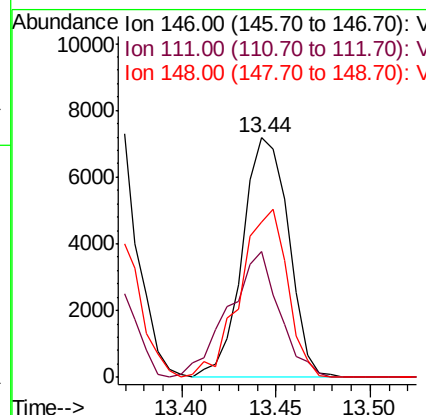
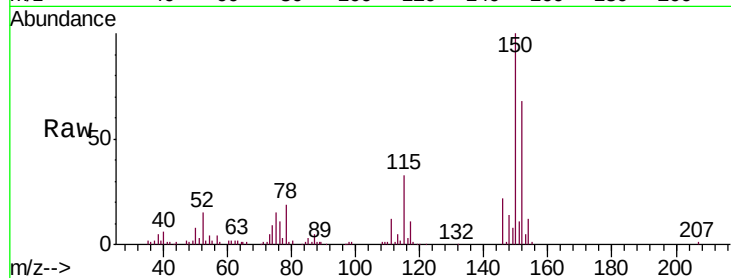




#64
 1,4-Dichlorobenzene
 Concen: 1.098 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY000656.D
 Acq: 12 Nov 2019 15:18

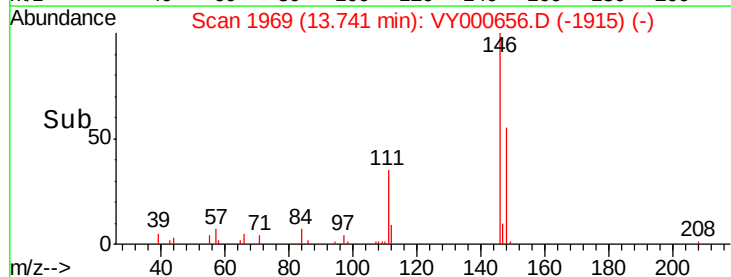
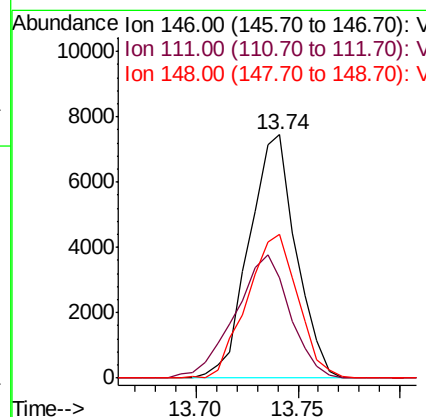
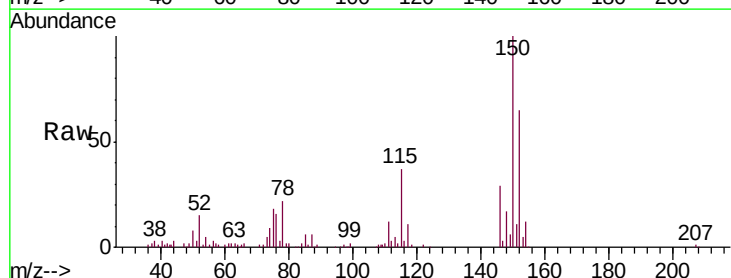
Instrument :
 MSVOA_Y
 ClientSampleID :
 MDL04

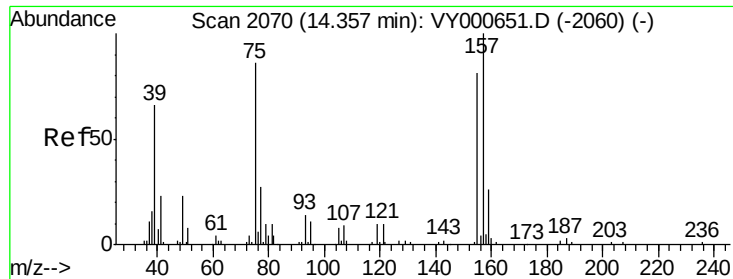
Tgt Ion:146 Resp: 12159
 Ion Ratio Lower Upper
 146 100
 111 52.4 26.7 49.5#
 148 64.8 45.2 84.0



#65
 1,2-Dichlorobenzene
 Concen: 1.163 ug/L
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: VY000656.D
 Acq: 12 Nov 2019 15:18

Tgt Ion:146 Resp: 11937
 Ion Ratio Lower Upper
 146 100
 111 41.2 33.8 50.8
 148 58.9 51.0 76.6

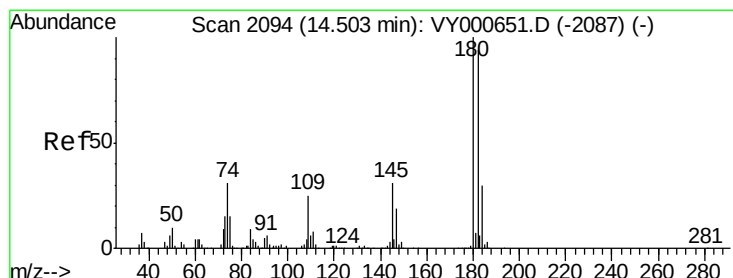
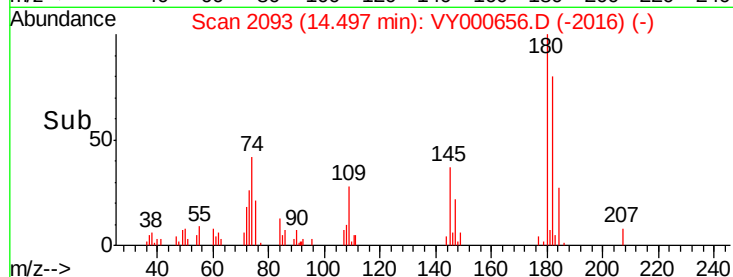
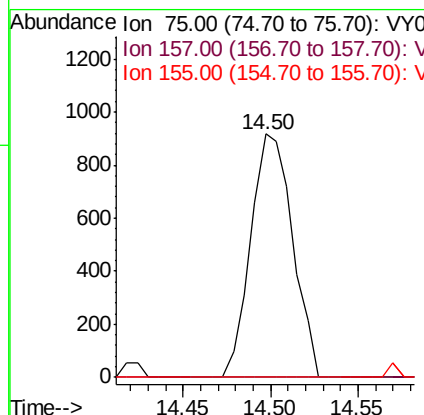
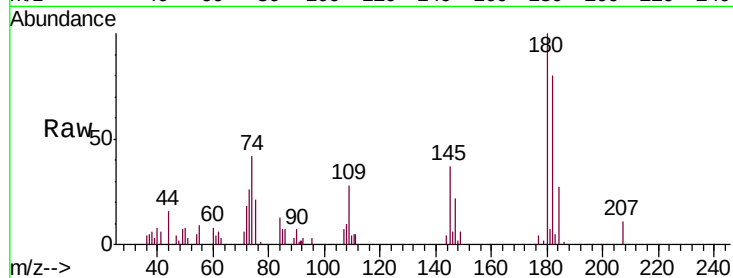




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.574 ug/L
 RT: 14.50 min Scan# 2093
 Delta R.T. 0.14 min
 Lab File: VY000656.D
 Acq: 12 Nov 2019 15:18

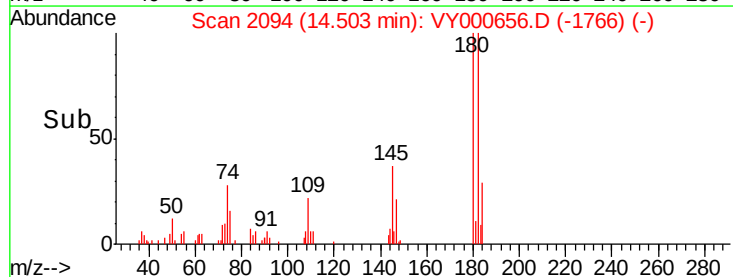
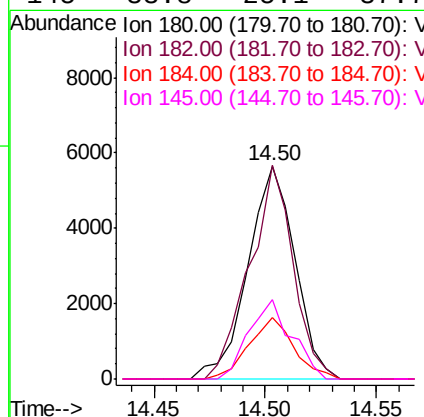
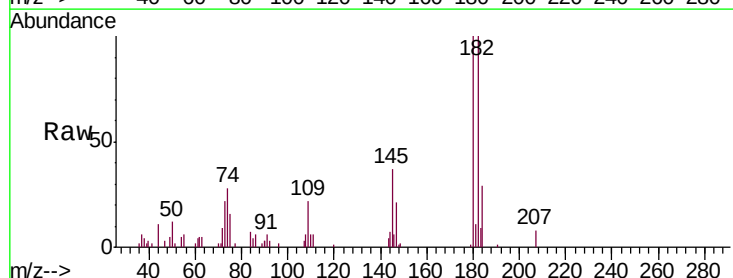
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL04

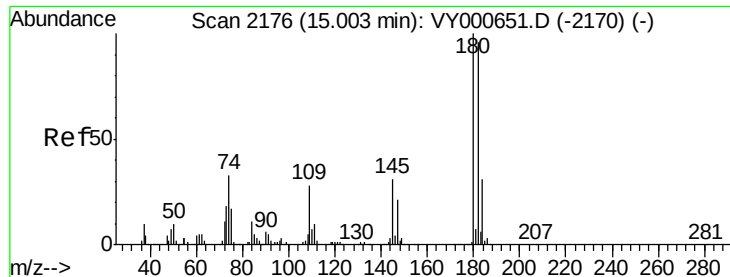
Tgt Ion: 75 Resp: 1534
 Ion Ratio Lower Upper
 75 100
 157 0.0 78.1 117.1#
 155 0.0 64.2 96.4#



#67
 1,3,5-Trichlorobenzene
 Concen: 1.076 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VY000656.D
 Acq: 12 Nov 2019 15:18

Tgt Ion: 180 Resp: 8308
 Ion Ratio Lower Upper
 180 100
 182 93.4 75.6 113.4
 184 27.7 24.5 36.7
 145 33.8 25.1 37.7

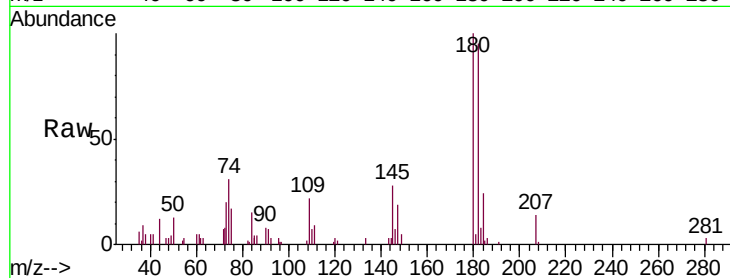




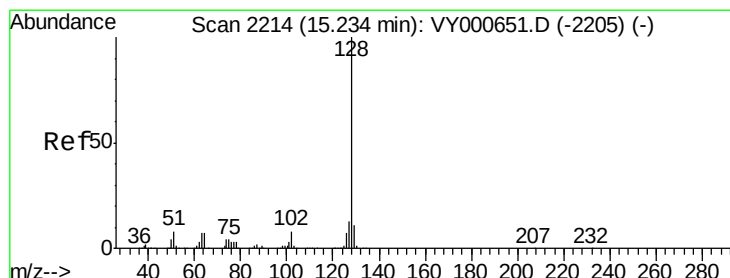
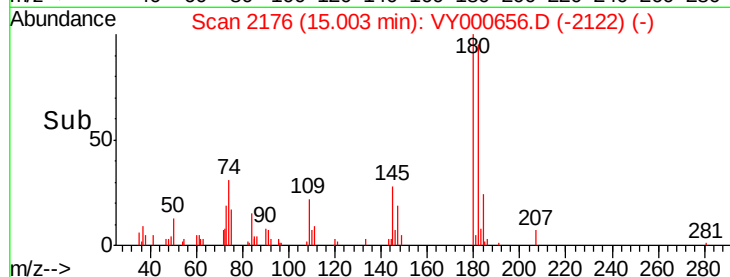
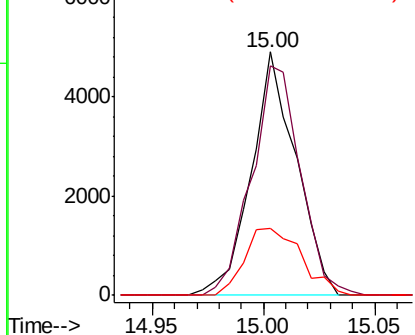
#68
 1,2,4-trichlorobenzene
 Concen: 0.996 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY000656.D
 Acq: 12 Nov 2019 15:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL04

Tgt Ion:180 Resp: 6874
 Ion Ratio Lower Upper
 180 100
 182 102.5 77.5 116.3
 145 35.0 25.4 38.2

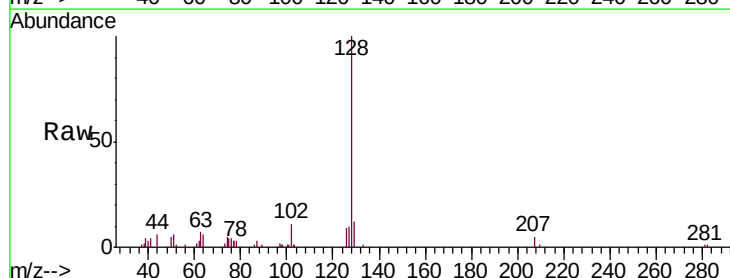


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

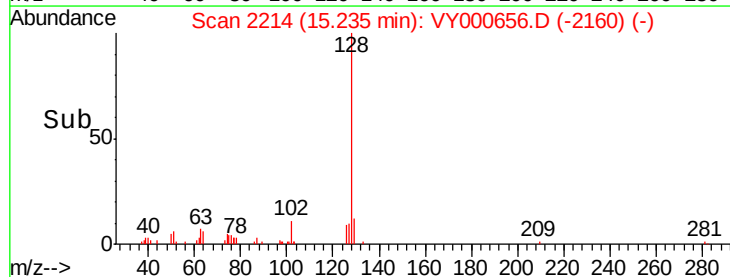
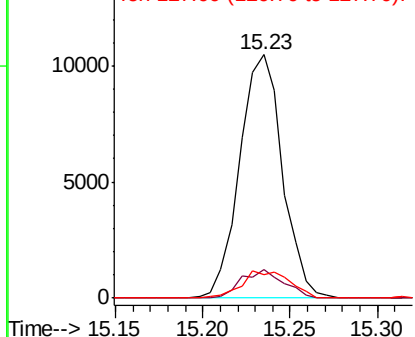


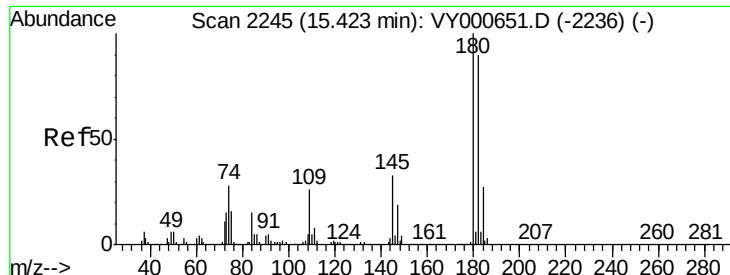
#69
 Naphthalene
 Concen: 1.036 ug/L
 RT: 15.23 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VY000656.D
 Acq: 12 Nov 2019 15:18

Tgt Ion:128 Resp: 17825
 Ion Ratio Lower Upper
 128 100
 129 11.6 8.4 12.6
 127 12.4 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: 1.138 ug/L

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY000656.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_Y

ClientSampleId :

MDL04

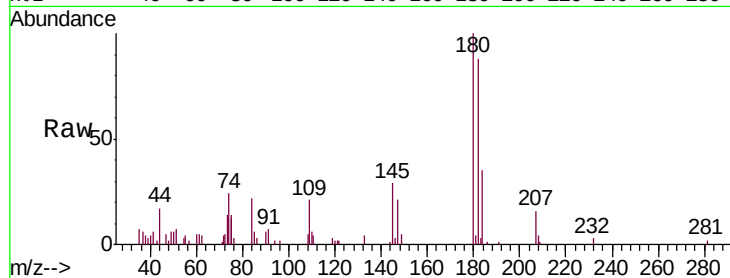
Tgt Ion:180 Resp: 7302

Ion Ratio Lower Upper

180 100

182 92.8 76.2 114.4

145 36.1 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

