

Data File : VY000659.D
Acq On : 12 Nov 2019 16:23
Operator : SY/MD
Sample : MDL07
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MDL07

Quant Time: Nov 13 03:09:51 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	342170	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	318227	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	151373	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	120861	25.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.04%
7) Chloroethane-d5	2.76	69	110404	25.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.84%
10) 1,1-Dichloroethene-d2	3.85	63	165674	18.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.24%
20) 2-Butanone-d5	6.91	46	105165	52.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.48%
24) Chloroform-d	7.49	84	217382	24.21	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.84%
26) 1,2-Dichloroethane-d4	8.15	65	130187	25.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.04%
29) Benzene-d6	8.12	84	461015	24.95	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.80%
33) 1,2-Dichloropropane-d6	9.13	67	144679	24.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.92%
37) Toluene-d8	10.18	98	420598	24.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.44%
38) trans-1,3-Dichloropropene-	10.44	79	67409	24.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.80%
39) 2-Hexanone-d5	10.79	63	81656	52.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.32%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	134966	23.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.84%
61) 1,2-Dichlorobenzene-d4	13.72	152	149397	24.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.72%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	5956	1.317 ug/L	97
3) Chloromethane	2.12	50	6949	1.226 ug/L	96
5) Vinyl chloride	2.25	62	7070	1.250 ug/L #	53
6) Bromomethane	2.66	94	3725	1.206 ug/L	99
8) Chloroethane	2.80	64	4309	1.215 ug/L #	64
9) Trichlorofluoromethane	3.13	101	9291	1.160 ug/L	99
12) 1,1-Dichloroethene	3.87	96	4040	0.911 ug/L #	1
13) Acetone	3.96	43	5980	4.099 ug/L	98
14) Carbon disulfide	4.19	76	14528	1.061 ug/L	97
15) Methyl Acetate	4.49	43	4175	1.249 ug/L #	65
16) Methylene chloride	4.72	84	12977	2.297 ug/L	87
17) Methyl tert-butyl Ether	5.23	73	15230	1.128 ug/L #	94
18) trans-1,2-Dichloroethene	5.24	96	5609	1.132 ug/L	83
19) 1,1-Dichloroethane	6.03	63	10213	1.171 ug/L	95
21) 2-Butanone	7.00	43	8845	3.442 ug/L #	56
22) cis-1,2-Dichloroethene	6.99	96	6940	1.266 ug/L	92
23) Bromochloromethane	7.34	128	1533	0.641 ug/L #	77

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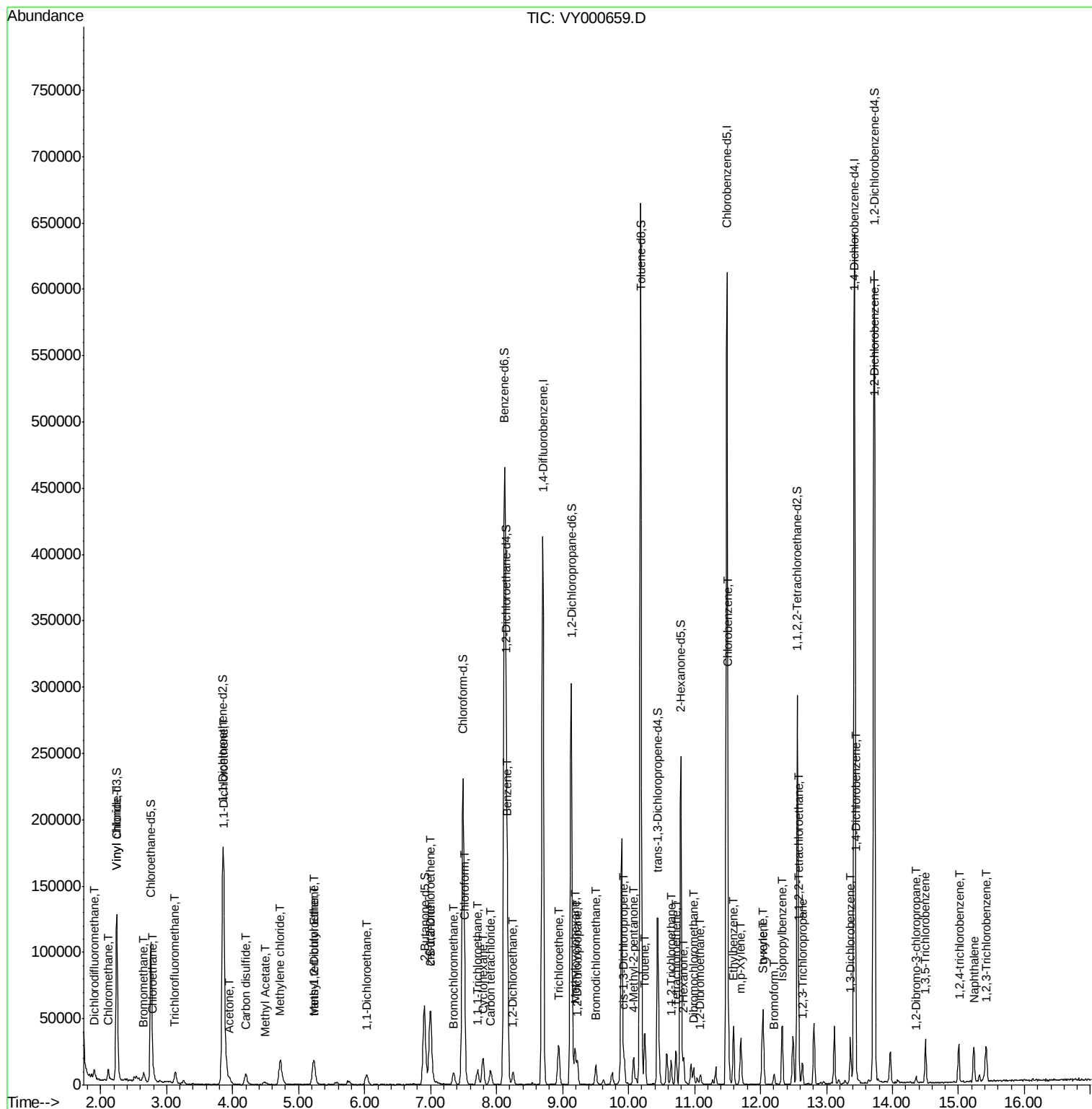
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.52	83	17857	1.900	ug/L	83
27) 1,2-Dichloroethane	8.25	62	7742	1.232	ug/L	100
30) Cyclohexane	7.80	56	9610	1.107	ug/L #	31
31) 1,1,1-Trichloroethane	7.71	97	5782	0.738	ug/L #	63
32) Carbon tetrachloride	7.91	117	8045	1.177	ug/L	98
34) Benzene	8.17	78	23266	1.118	ug/L	100
35) Trichloroethene	8.94	95	4387	0.804	ug/L #	44
36) Methylcyclohexane	9.19	83	10823	1.159	ug/L	97
40) 1,2-Dichloropropane	9.23	63	6683	1.268	ug/L #	96
41) Bromodichloromethane	9.50	83	8326	1.227	ug/L	87
42) cis-1,3-Dichloropropene	9.93	75	9308	1.096	ug/L	94
43) 4-Methyl-2-pentanone	10.08	43	13519	2.681	ug/L	97
44) Toluene	10.25	91	26066	1.159	ug/L	97
46) 1,1,2-Trichloroethane	10.65	97	5611	1.297	ug/L #	80
47) Tetrachloroethene	10.72	164	4723	1.159	ug/L	90
49) 2-Hexanone	10.84	43	10618	2.703	ug/L #	92
50) Dibromochloromethane	10.98	129	5428	1.111	ug/L	88
51) 1,2-Dibromoethane	11.09	107	5030	1.195	ug/L #	98
52) Chlorobenzene	11.51	112	17444	1.222	ug/L	89
53) Ethylbenzene	11.59	91	28561	1.122	ug/L	95
54) m,p-Xylene	11.70	106	10907	1.133	ug/L	94
55) o-xylene	12.03	106	10038	1.062	ug/L	80
56) Styrene	12.05	104	16776	1.068	ug/L	81
57) Isopropylbenzene	12.33	105	26816	1.091	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	6658	1.234	ug/L #	80
59) 1,2,3-Trichloropropane	12.63	75	5391	1.229	ug/L	93
62) Bromoform	12.21	173	2970	1.033	ug/L #	85
63) 1,3-Dichlorobenzene	13.37	146	12301	1.139	ug/L	91
64) 1,4-Dichlorobenzene	13.45	146	13510	1.252	ug/L	94
65) 1,2-Dichlorobenzene	13.74	146	12314	1.231	ug/L	91
66) 1,2-Dibromo-3-chloropropan	14.36	75	1204	1.267	ug/L #	81
67) 1,3,5-Trichlorobenzene	14.50	180	8749	1.162	ug/L	99
68) 1,2,4-trichlorobenzene	15.01	180	8147	1.211	ug/L	95
69) Naphthalene	15.23	128	19787	1.180	ug/L	97
70) 1,2,3-Trichlorobenzene	15.42	180	8214	1.313	ug/L	96

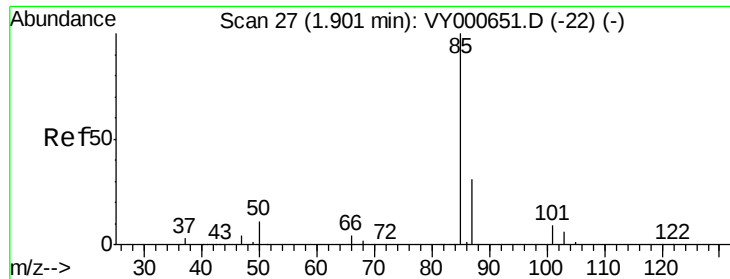
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.317 ug/L

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000659.D

Acq: 12 Nov 2019 16:23

Instrument :

MSVOA_Y

ClientSampleId :

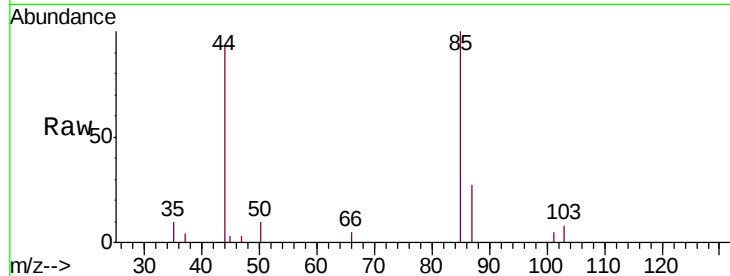
MDL07

Tgt Ion: 85 Resp: 5956

Ion Ratio Lower Upper

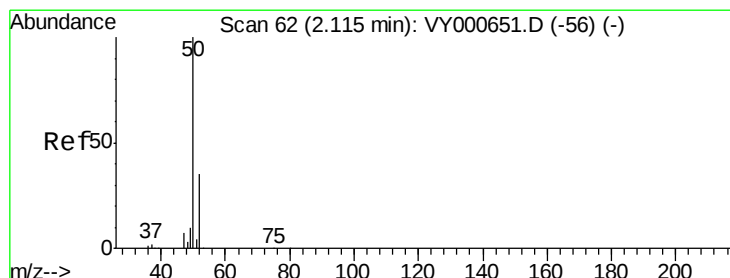
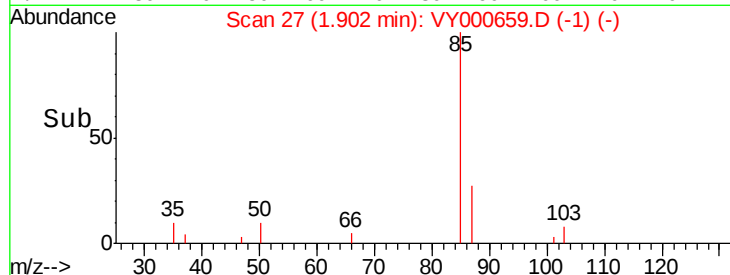
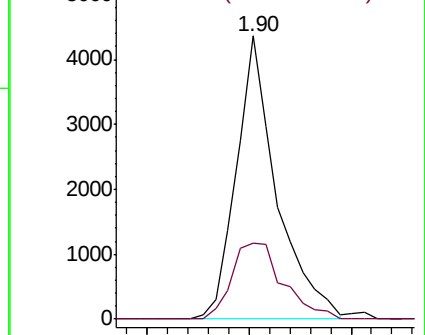
85 100

87 34.3 22.7 42.1



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 1.226 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000659.D

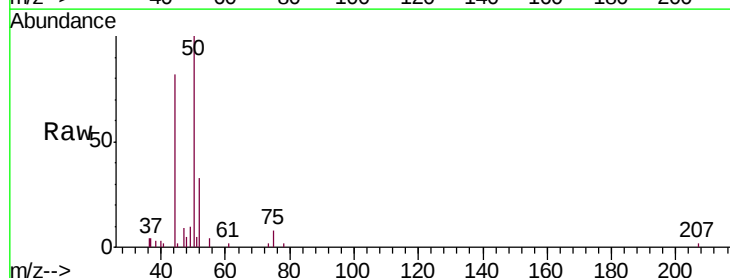
Acq: 12 Nov 2019 16:23

Tgt Ion: 50 Resp: 6949

Ion Ratio Lower Upper

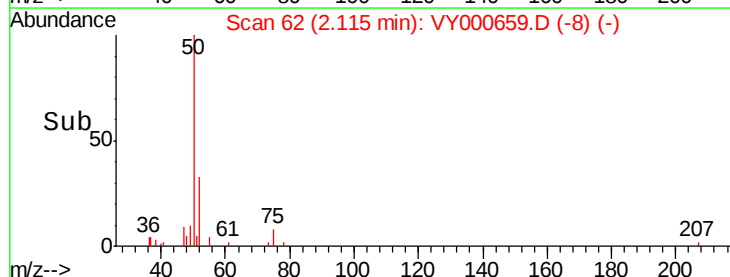
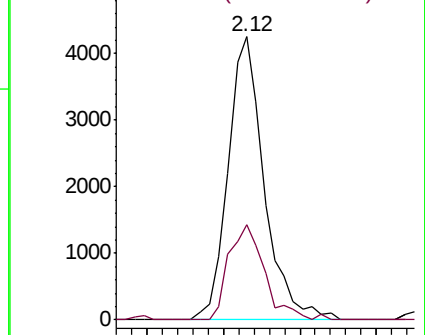
50 100

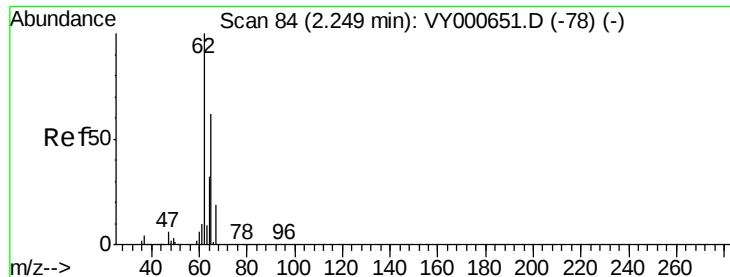
52 33.5 24.9 46.3



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 1.250 ug/L

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000659.D

Acq: 12 Nov 2019 16:23

Instrument :

MSVOA_Y

ClientSampleId :

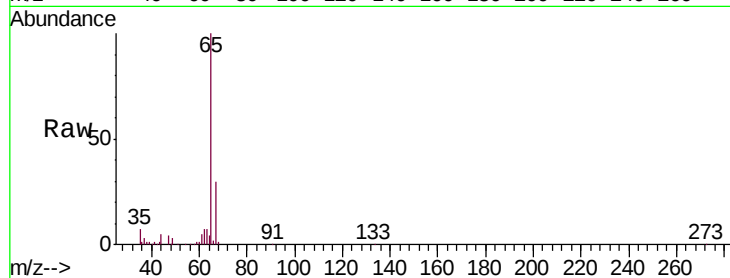
MDL07

Tgt Ion: 62 Resp: 7070

Ion Ratio Lower Upper

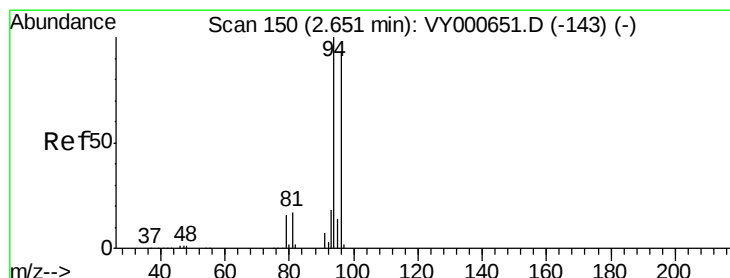
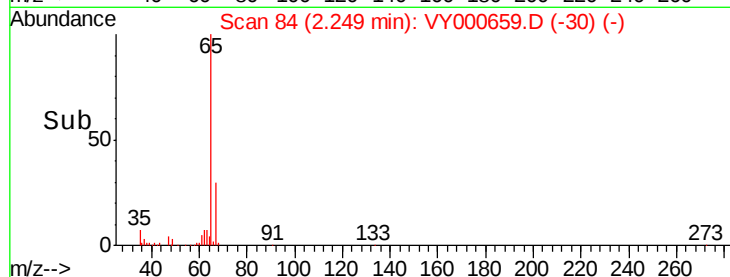
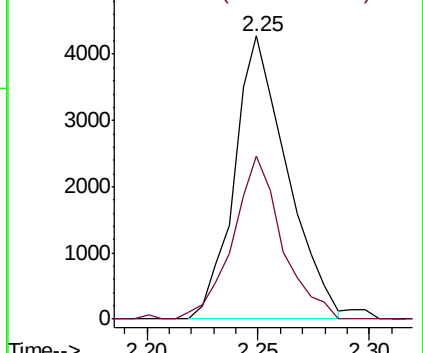
62 100

64 57.5 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: 1.206 ug/L

RT: 2.66 min Scan# 151

Delta R.T. 0.01 min

Lab File: VY000659.D

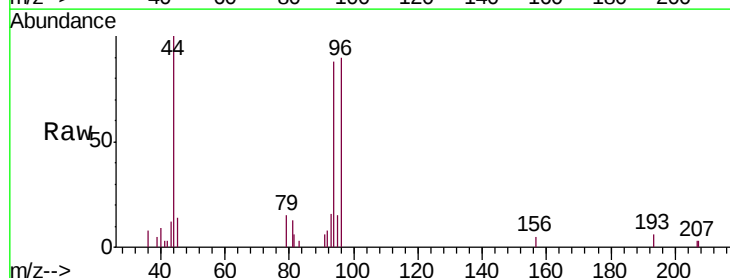
Acq: 12 Nov 2019 16:23

Tgt Ion: 94 Resp: 3725

Ion Ratio Lower Upper

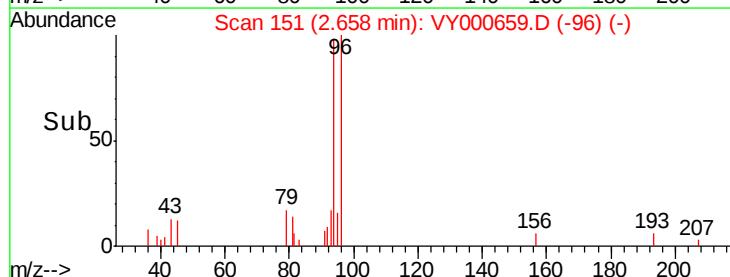
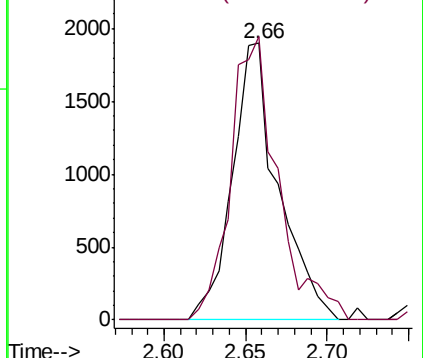
94 100

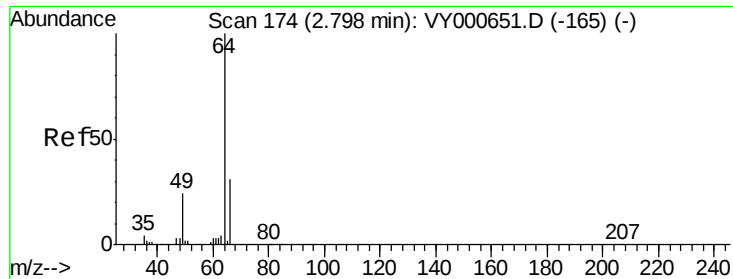
96 97.1 9.8 185.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 1.215 ug/L

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY000659.D

Acq: 12 Nov 2019 16:23

Instrument :

MSVOA_Y

ClientSampleId :

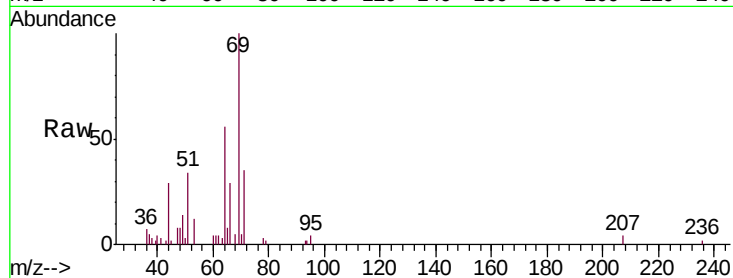
MDL07

Tgt Ion: 64 Resp: 4309

Ion Ratio Lower Upper

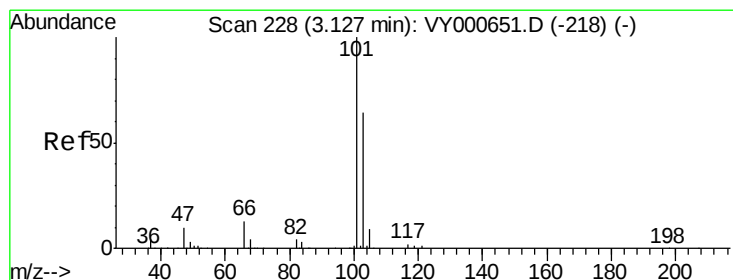
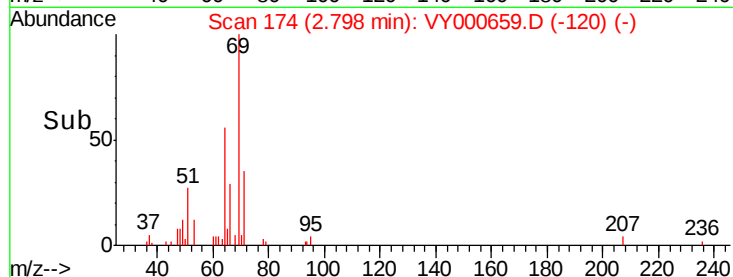
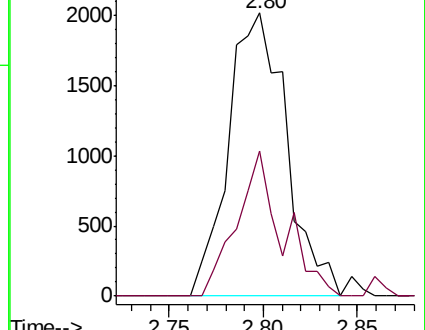
64 100

66 51.5 22.2 41.2#



Abundance Ion 64.00 (63.70 to 64.70): VY000659.D (-165) (-)

Ion 66.00 (65.70 to 66.70): VY000659.D (-165) (-)



#9

Trichlorofluoromethane

Concen: 1.160 ug/L

RT: 3.13 min Scan# 228

Delta R.T. 0.00 min

Lab File: VY000659.D

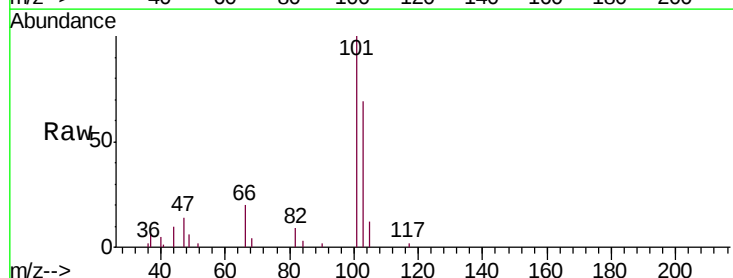
Acq: 12 Nov 2019 16:23

Tgt Ion: 101 Resp: 9291

Ion Ratio Lower Upper

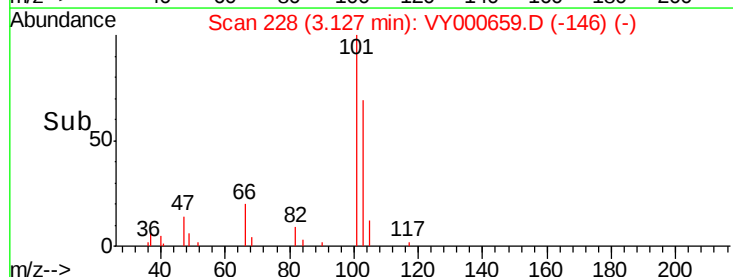
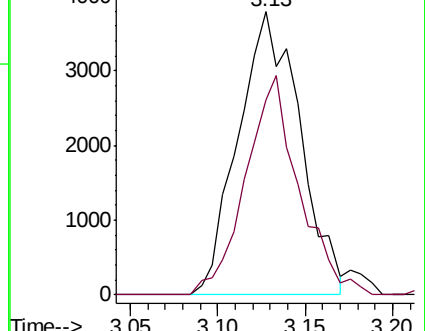
101 100

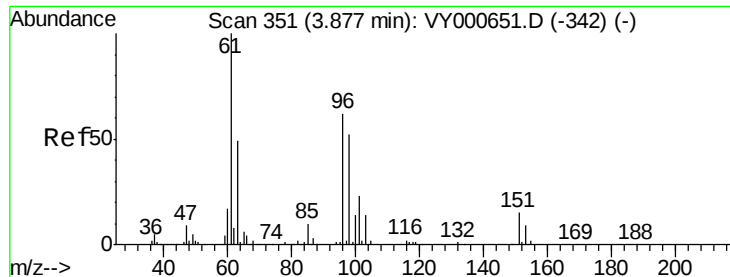
103 66.1 45.8 85.0



Abundance Ion 101.00 (100.70 to 101.70): VY000659.D (-218) (-)

Ion 103.00 (102.70 to 103.70): VY000659.D (-218) (-)





#12

1,1-Dichloroethene

Concen: 0.911 ug/L

RT: 3.87 min Scan# 350

Delta R.T. -0.01 min

Lab File: VY000659.D

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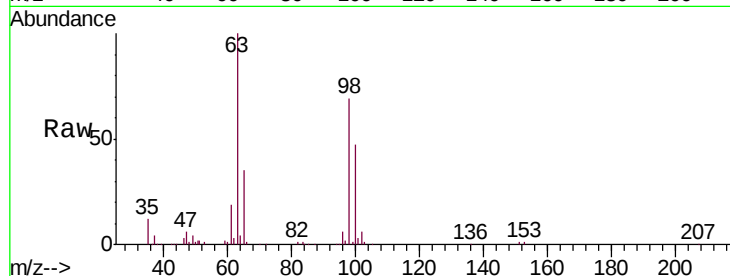
Tgt Ion: 96 Resp: 4040

Ion Ratio Lower Upper

96 100

61 309.2 113.5 210.9#

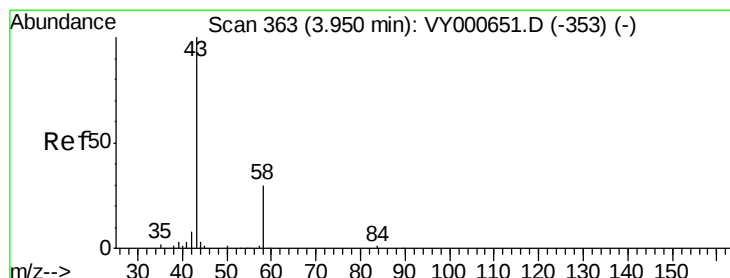
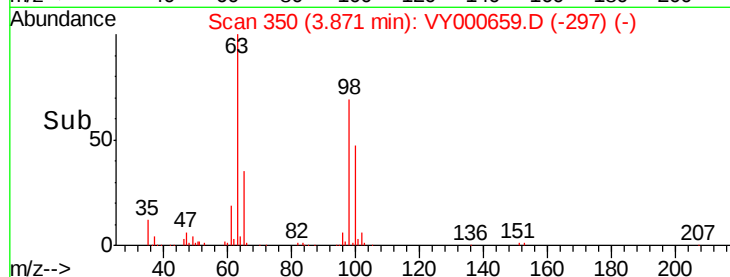
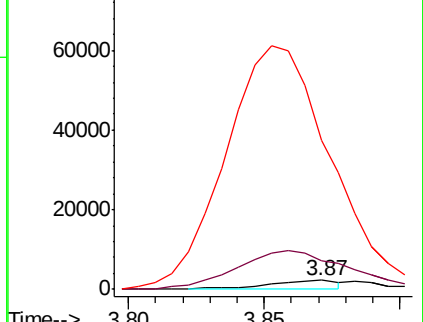
63 1638.2 94.3 175.1#



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



#13

Acetone

Concen: 4.099 ug/L

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000659.D

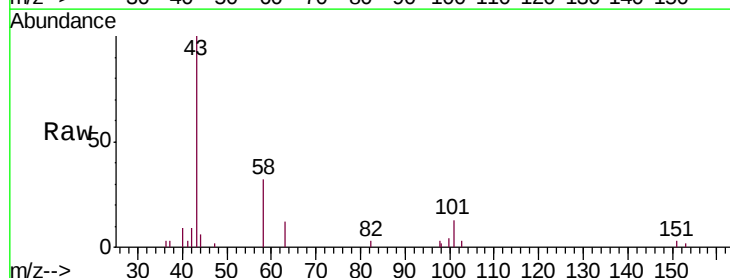
Acq: 12 Nov 2019 16:23

Tgt Ion: 43 Resp: 5980

Ion Ratio Lower Upper

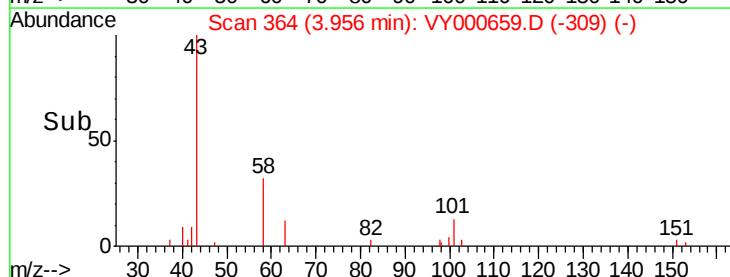
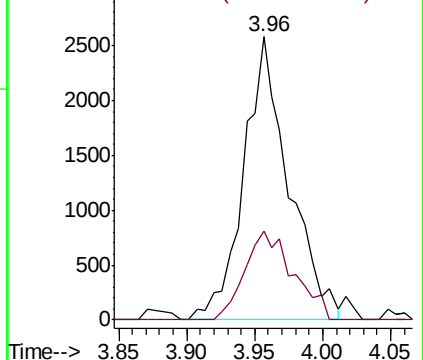
43 100

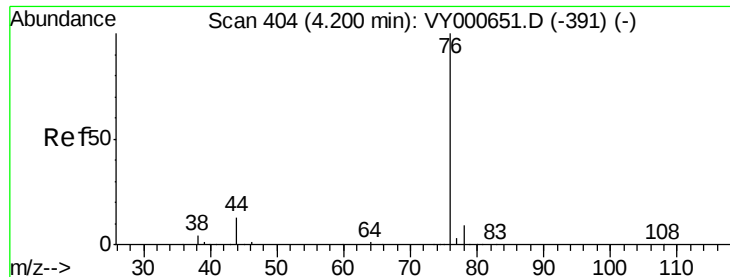
58 33.7 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#14

Carbon disulfide

Concen: 1.061 ug/L

RT: 4.19 min Scan# 403

Delta R.T. -0.01 min

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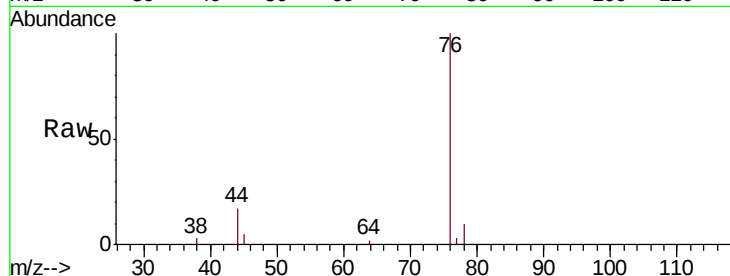
MDL07

Tgt Ion: 76 Resp: 14528

Ion Ratio Lower Upper

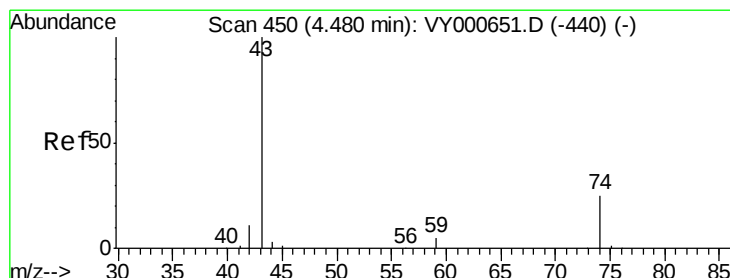
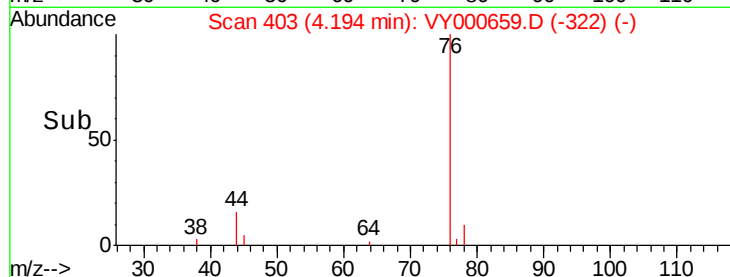
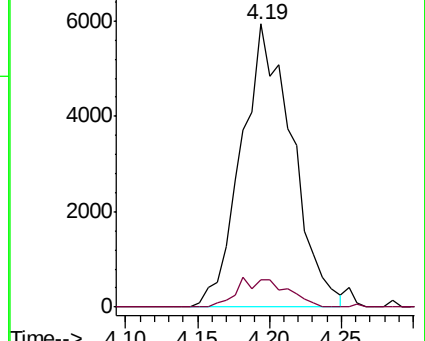
76 100

78 9.8 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0



#15

Methyl Acetate

Concen: 1.249 ug/L

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY000659.D

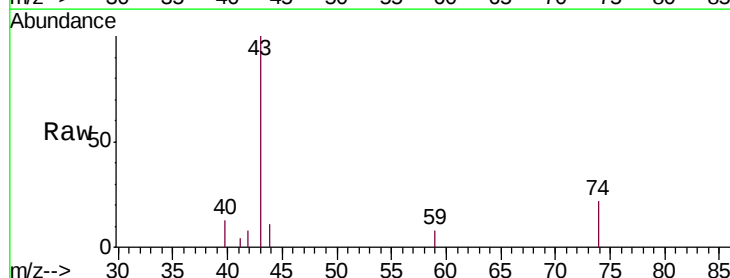
Acq: 12 Nov 2019 16:23

Tgt Ion: 43 Resp: 4175

Ion Ratio Lower Upper

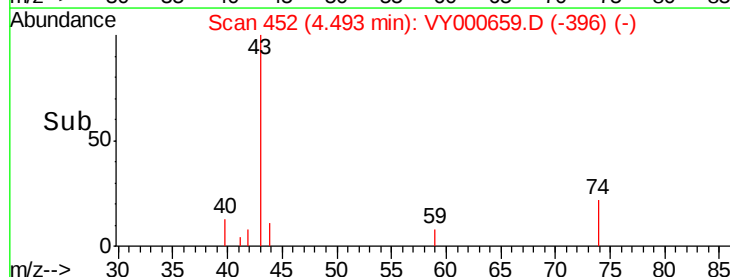
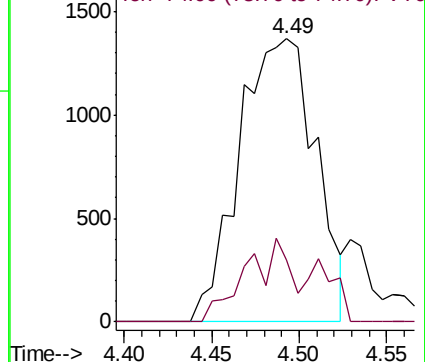
43 100

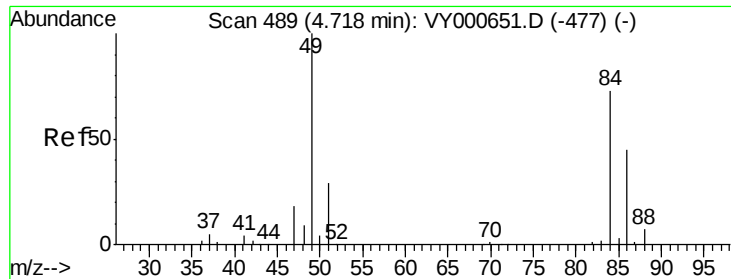
74 5.8 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

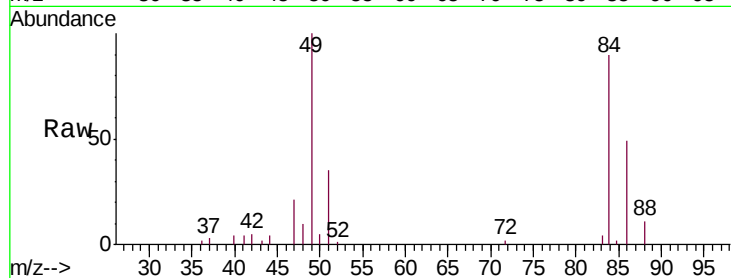




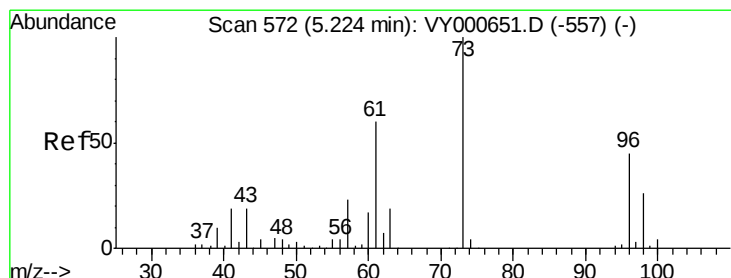
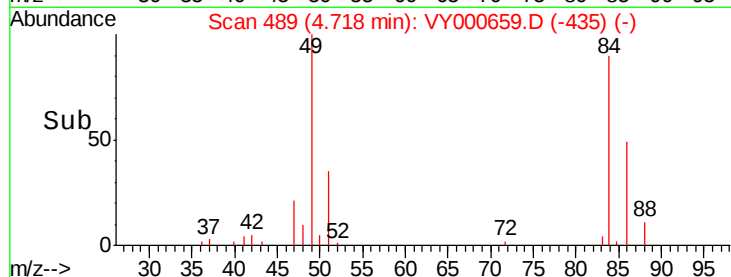
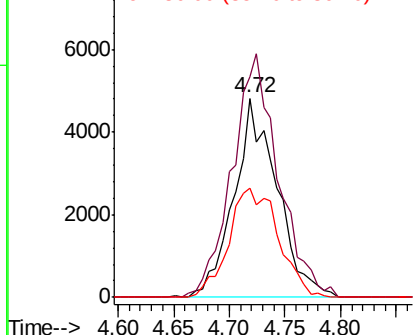
#16
Methylene chloride
Concen: 2.297 ug/L
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY000659.D
Acq: 12 Nov 2019 16:23

Instrument :
MSVOA_Y
ClientSampleId :
MDL07

Tgt Ion: 84 Resp: 12977
Ion Ratio Lower Upper
84 100
49 111.0 88.8 165.0
86 54.8 43.9 81.5

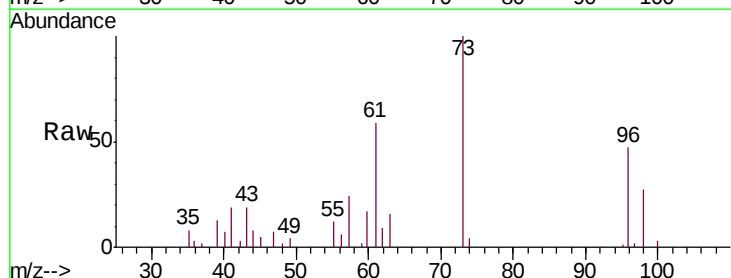


Abundance Ion 84.00 (83.70 to 84.70): VY0
Ion 49.00 (48.70 to 49.70): VY0
Ion 86.00 (85.70 to 86.70): VY0

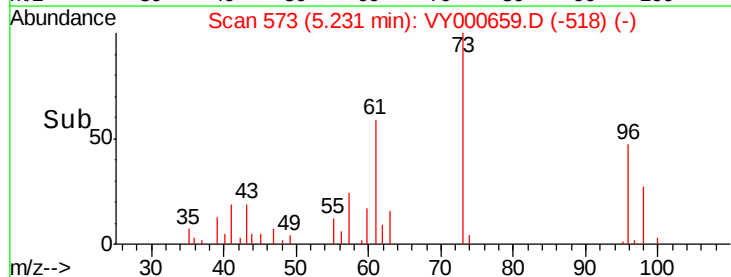
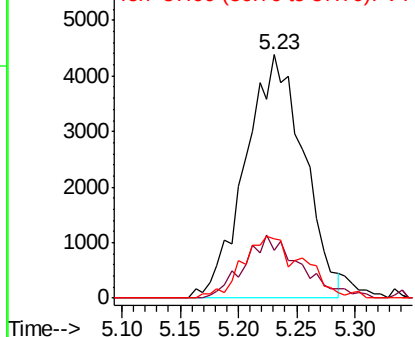


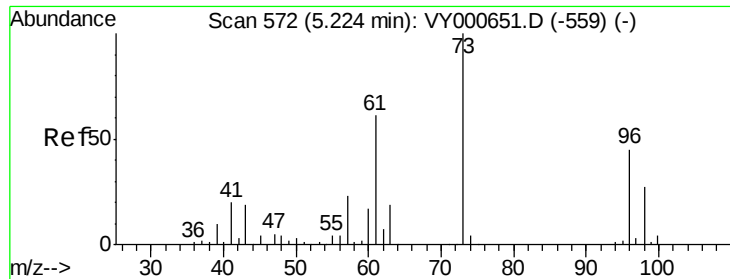
#17
Methyl tert-butyl Ether
Concen: 1.128 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000659.D
Acq: 12 Nov 2019 16:23

Tgt Ion: 73 Resp: 15230
Ion Ratio Lower Upper
73 100
43 17.7 15.4 23.0
57 17.5 17.5 26.3#



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

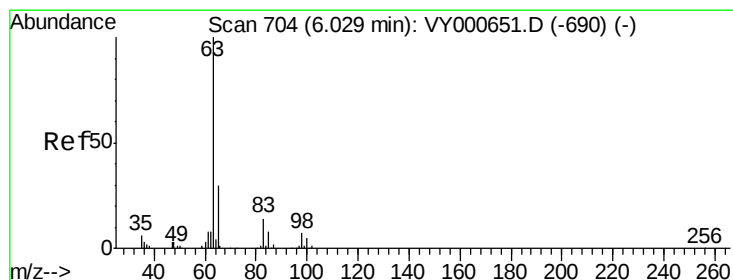
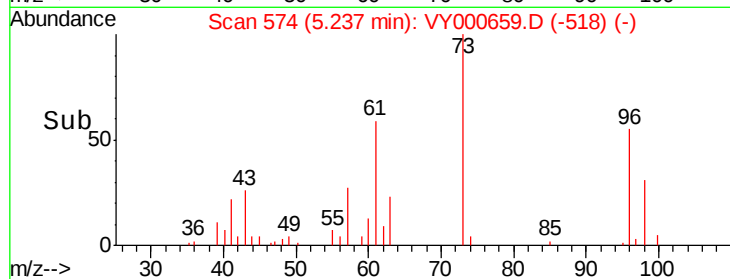
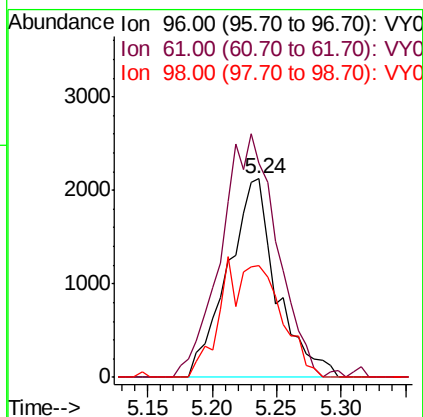
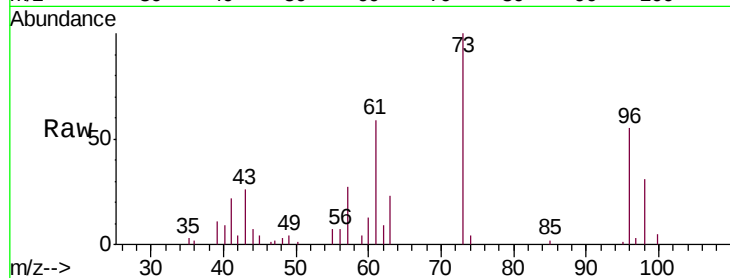




#18
trans-1,2-Dichloroethene
Concen: 1.132 ug/L
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY000659.D
Acq: 12 Nov 2019 16:23

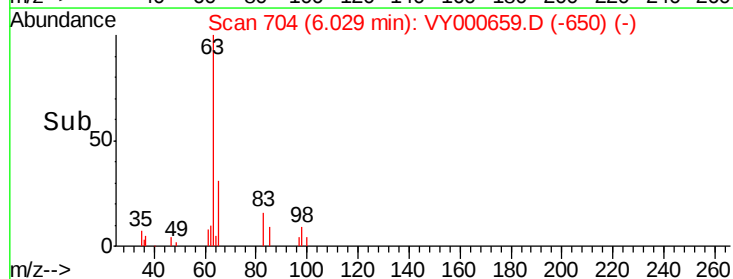
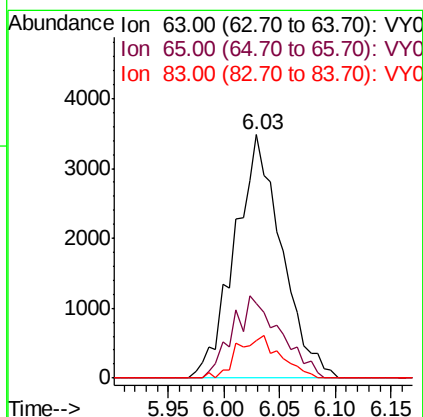
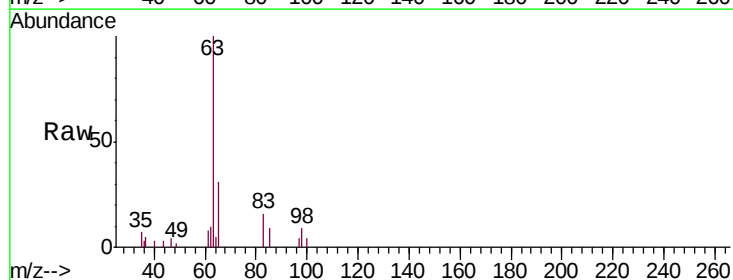
Instrument :
MSVOA_Y
ClientSampleId :
MDL07

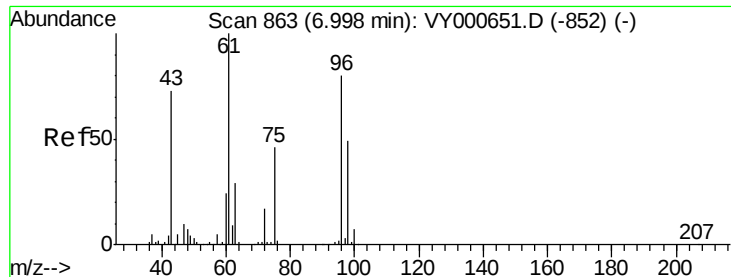
Tgt Ion: 96 Resp: 5609
Ion Ratio Lower Upper
96 100
61 107.8 91.8 170.4
98 56.2 46.3 85.9



#19
1,1-Dichloroethane
Concen: 1.171 ug/L
RT: 6.03 min Scan# 704
Delta R.T. 0.00 min
Lab File: VY000659.D
Acq: 12 Nov 2019 16:23

Tgt Ion: 63 Resp: 10213
Ion Ratio Lower Upper
63 100
65 30.6 23.9 44.5
83 15.6 10.1 18.9





#21

2-Butanone

Concen: 3.442 ug/L

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY000659.D

Acq: 12 Nov 2019 16:23

Instrument :

MSVOA_Y

ClientSampled :

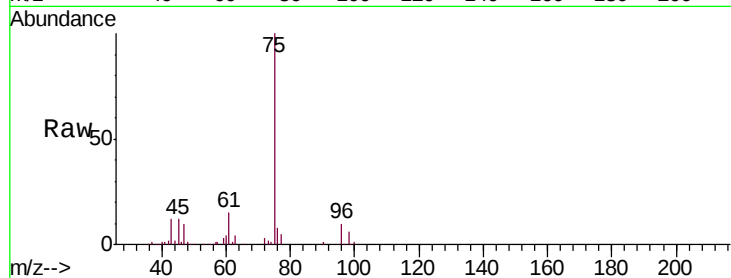
MDL07

Tgt Ion: 43 Resp: 8845

Ion Ratio Lower Upper

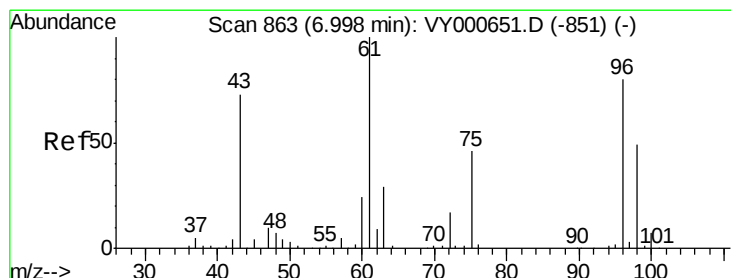
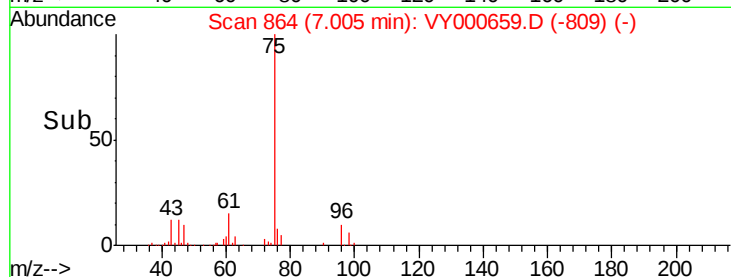
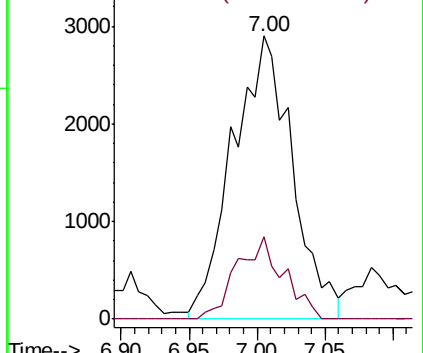
43 100

72 3.0 12.6 37.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#22

cis-1,2-Dichloroethene

Concen: 1.266 ug/L

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY000659.D

Acq: 12 Nov 2019 16:23

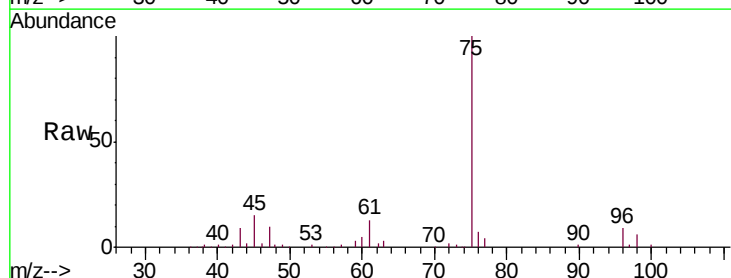
Tgt Ion: 96 Resp: 6940

Ion Ratio Lower Upper

96 100

61 133.2 86.8 161.2

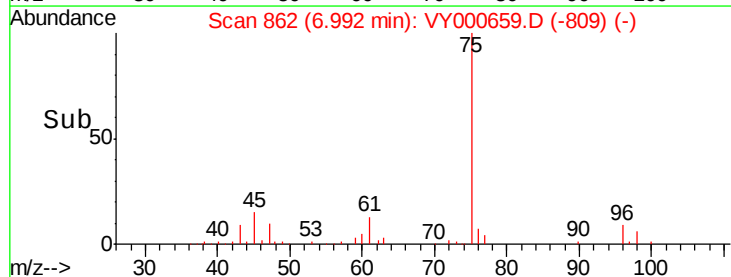
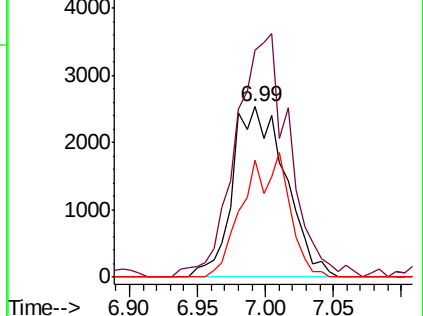
98 68.6 44.6 82.8

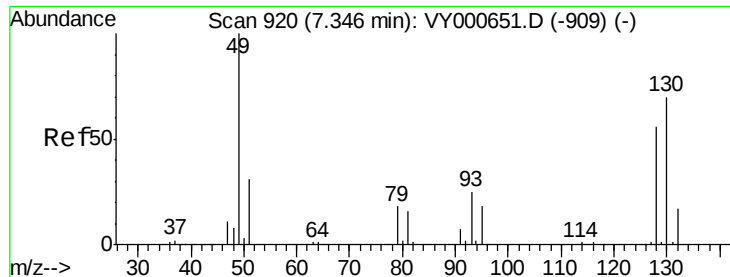


Abundance Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#23

Bromochloromethane

Concen: 0.641 ug/L

RT: 7.34 min Scan# 919

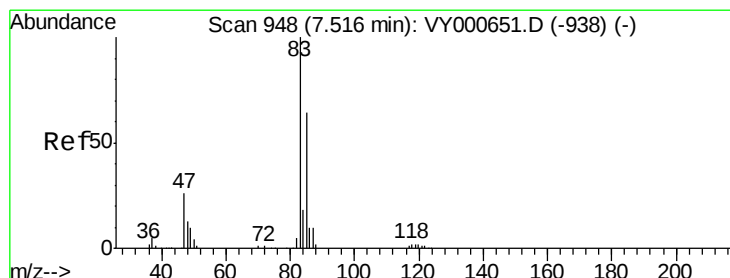
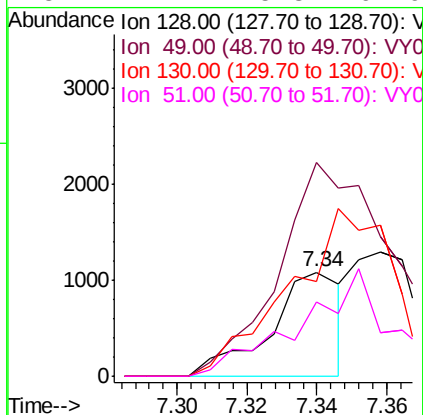
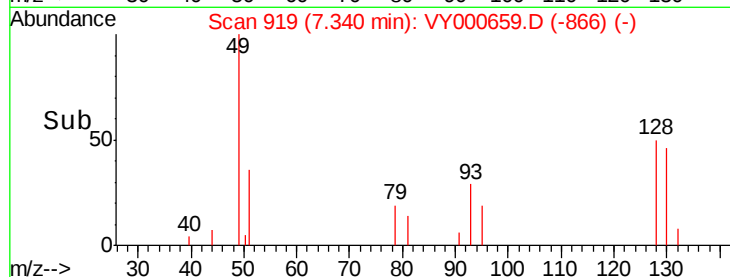
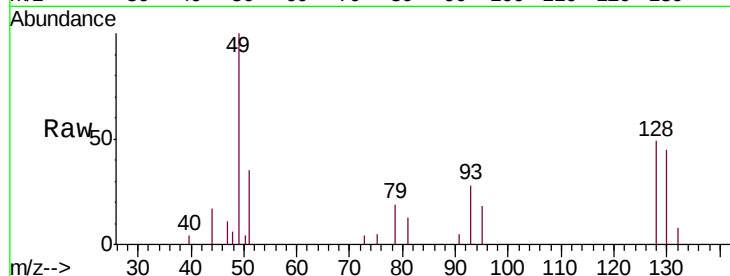
Delta R.T. -0.01 min

Lab File: VY000659.D

Acq: 12 Nov 2019 16:23

Instrument :
MSVOA_Y
ClientSampleId :
MDL07

Tgt Ion:	128	Resp:	1533
Ion	Ratio	Lower	Upper
128	100		
49	205.5	131.5	244.3
130	91.6	96.7	179.5#
51	71.1	45.3	67.9#



#25

Chloroform

Concen: 1.900 ug/L

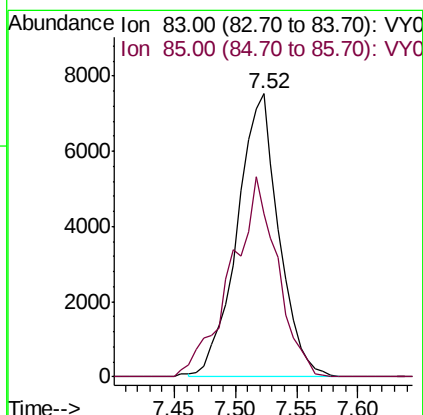
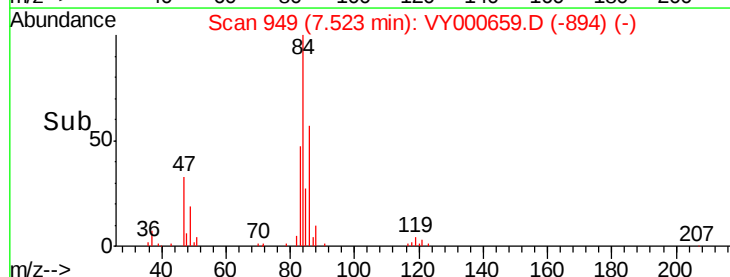
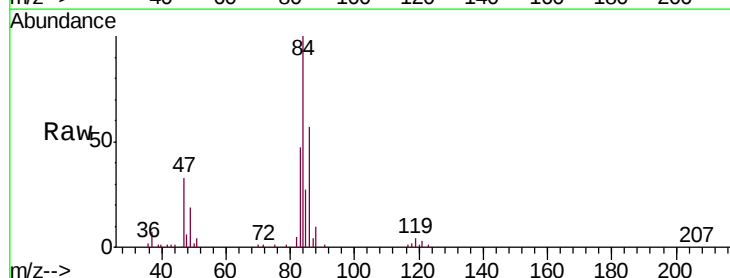
RT: 7.52 min Scan# 949

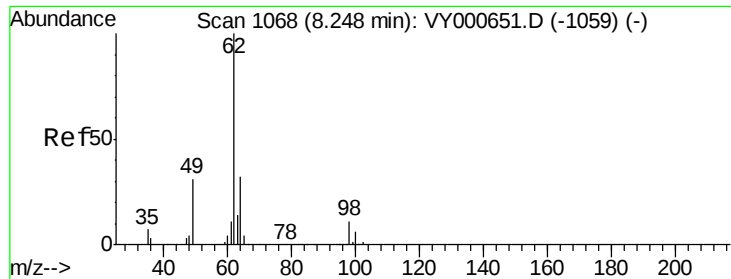
Delta R.T. 0.01 min

Lab File: VY000659.D

Acq: 12 Nov 2019 16:23

Tgt Ion:	83	Resp:	17857
Ion	Ratio	Lower	Upper
83	100		
85	78.1	45.6	84.6

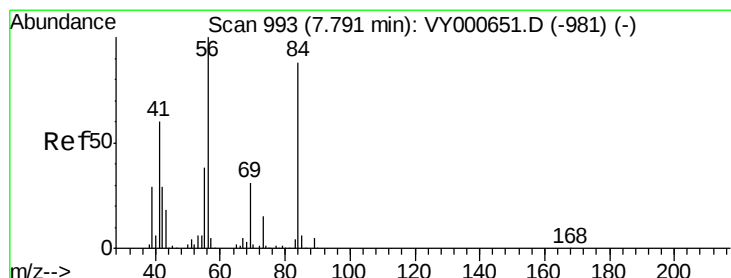
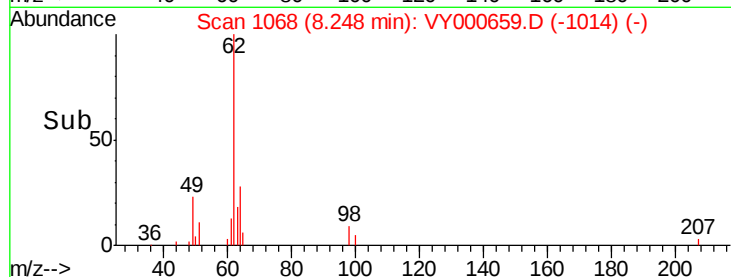
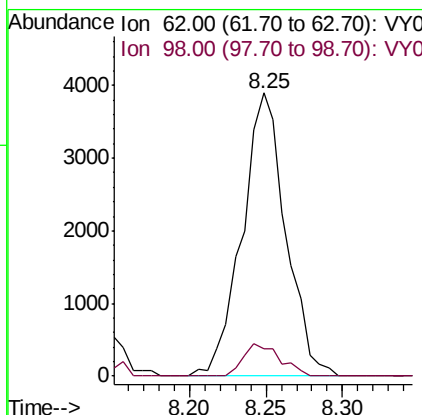
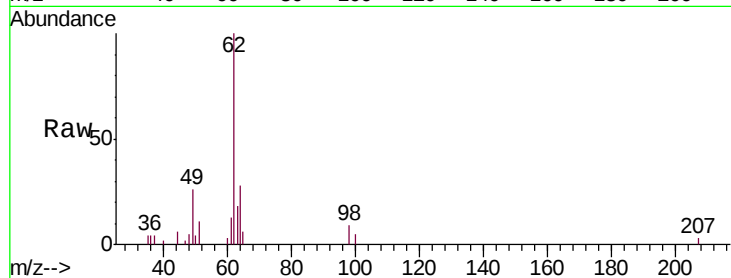




#27
 1,2-Dichloroethane
 Concen: 1.232 ug/L
 RT: 8.25 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VY000659.D
 Acq: 12 Nov 2019 16:23

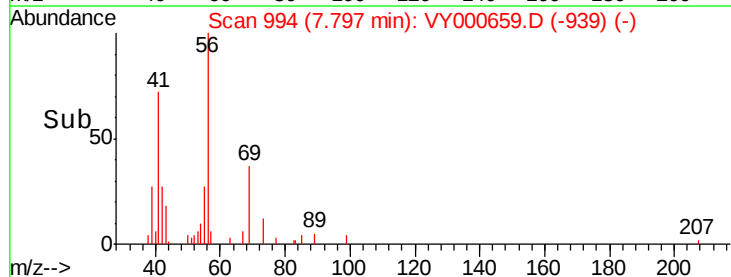
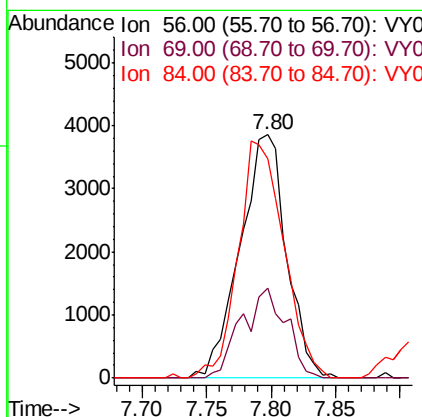
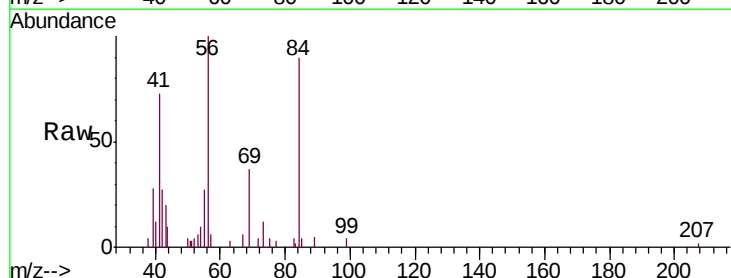
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL07

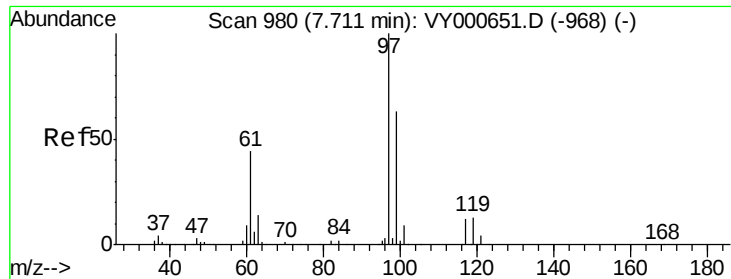
Tgt Ion: 62 Resp: 7742
 Ion Ratio Lower Upper
 62 100
 98 9.5 7.5 11.3



#30
 Cyclohexane
 Concen: 1.107 ug/L
 RT: 7.80 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VY000659.D
 Acq: 12 Nov 2019 16:23

Tgt Ion: 56 Resp: 9610
 Ion Ratio Lower Upper
 56 100
 69 7.9 24.1 36.1#
 84 14.6 70.2 105.4#

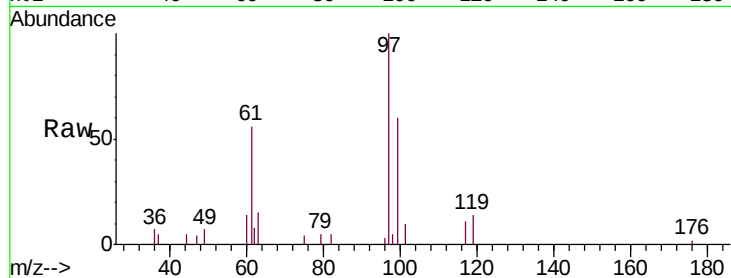




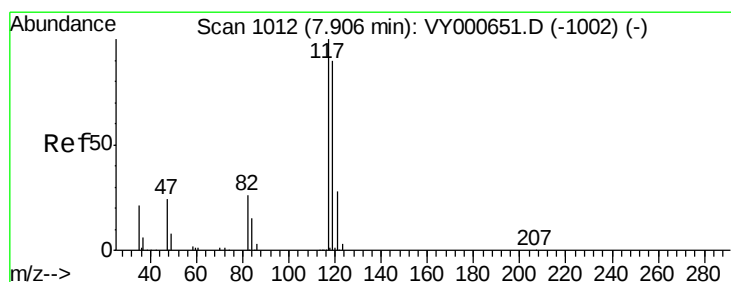
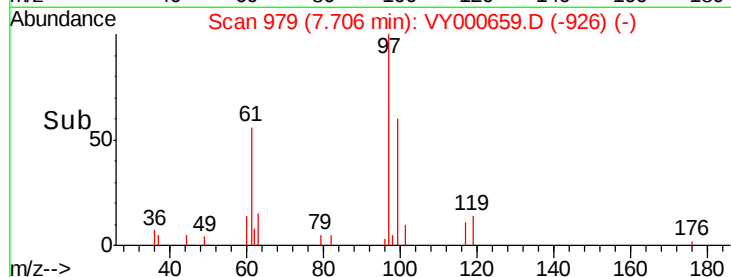
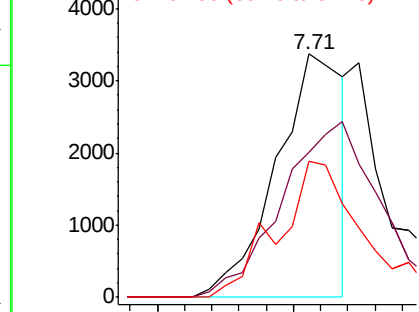
#31
 1,1,1-Trichloroethane
 Concen: 0.738 ug/L
 RT: 7.71 min Scan# 979
 Delta R.T. -0.01 min
 Lab File: VY000659.D
 Acq: 12 Nov 2019 16:23

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL07

Tgt Ion: 97 Resp: 5782
 Ion Ratio Lower Upper
 97 100
 99 103.1 51.4 77.0#
 61 55.6 34.7 52.1#

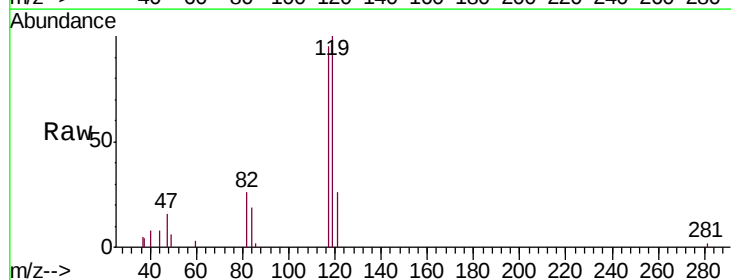


Abundance Ion 97.00 (96.70 to 97.70): VY0
 Ion 99.00 (98.70 to 99.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0

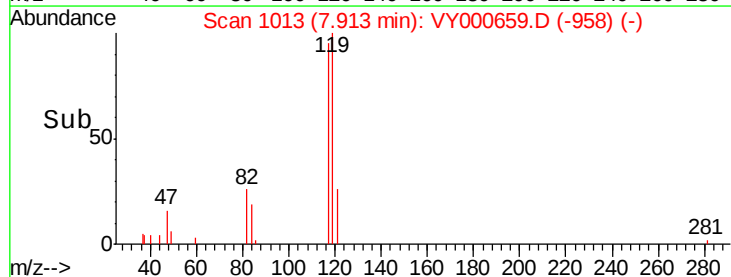
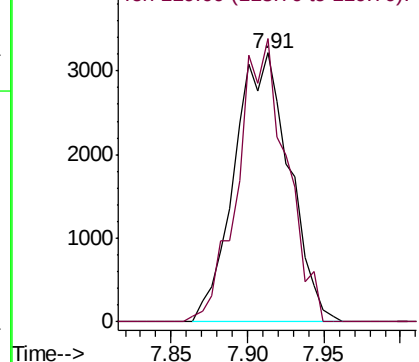


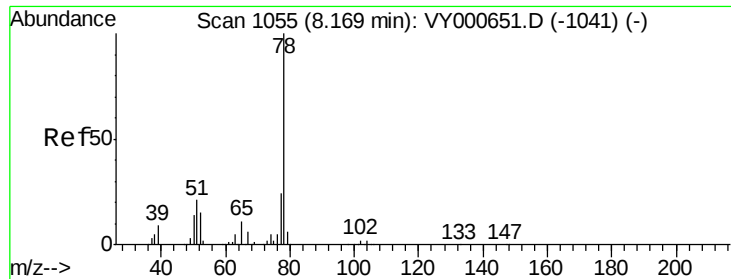
#32
 Carbon tetrachloride
 Concen: 1.177 ug/L
 RT: 7.91 min Scan# 1013
 Delta R.T. 0.01 min
 Lab File: VY000659.D
 Acq: 12 Nov 2019 16:23

Tgt Ion: 117 Resp: 8045
 Ion Ratio Lower Upper
 117 100
 119 93.0 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V

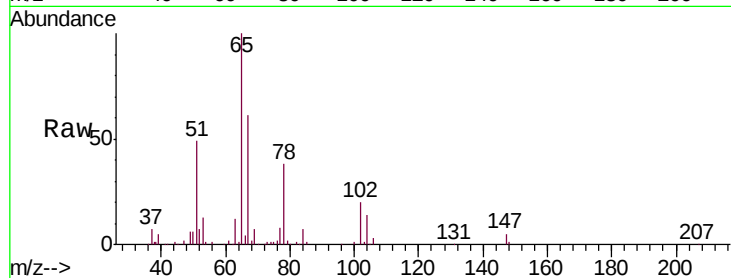




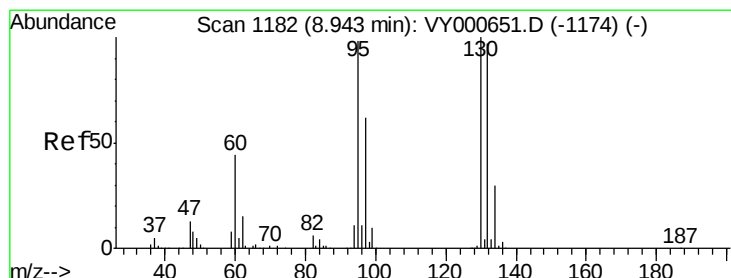
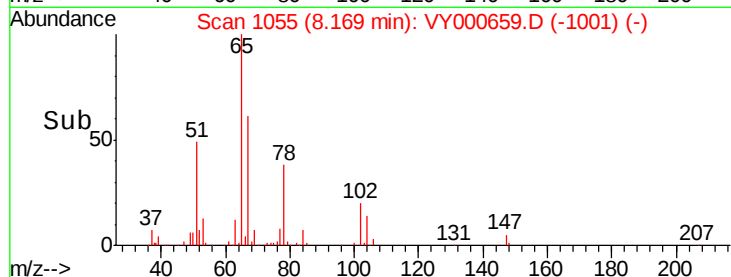
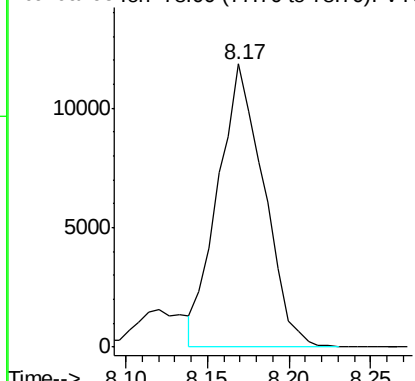
#34
Benzene
Concen: 1.118 ug/L
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY000659.D
Acq: 12 Nov 2019 16:23

Instrument :
MSVOA_Y
ClientSampleId :
MDL07

Tgt Ion: 78 Resp: 23266

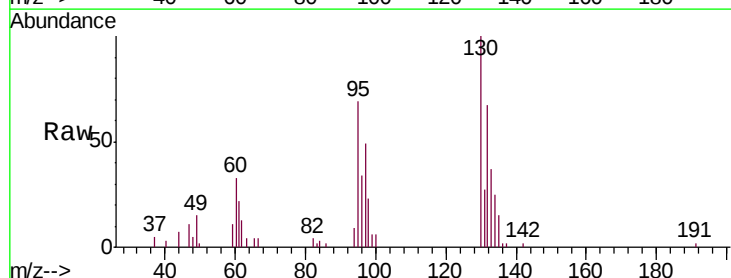


Abundance Ion 78.00 (77.70 to 78.70): VY0



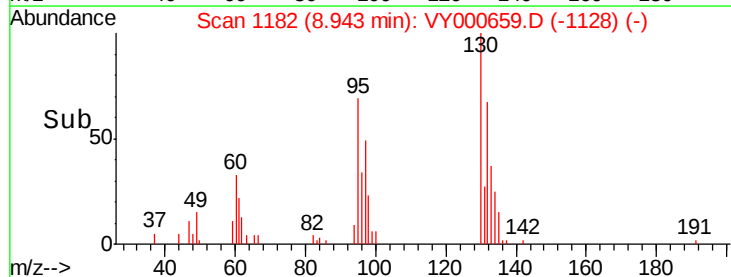
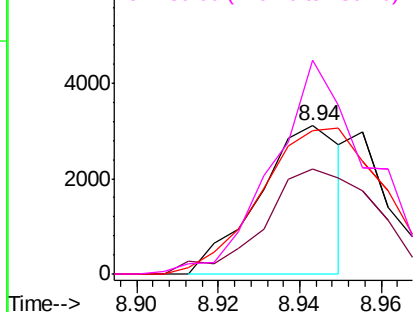
#35
Trichloroethene
Concen: 0.804 ug/L
RT: 8.94 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VY000659.D
Acq: 12 Nov 2019 16:23

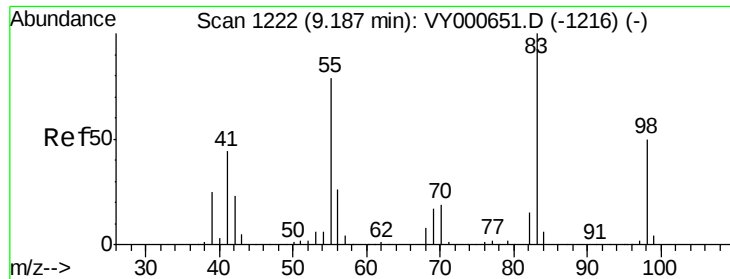
Tgt Ion: 95 Resp: 4387
Ion Ratio Lower Upper
95 100
97 97.4 44.4 82.4#
132 146.7 66.8 124.0#
130 168.3 70.9 131.7#



Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0
Ion 132.00 (131.70 to 132.70): VY0
Ion 130.00 (129.70 to 130.70): VY0

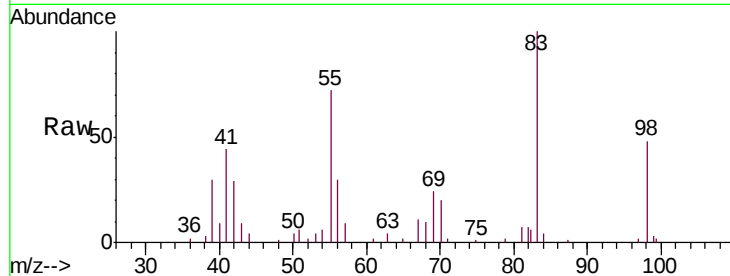




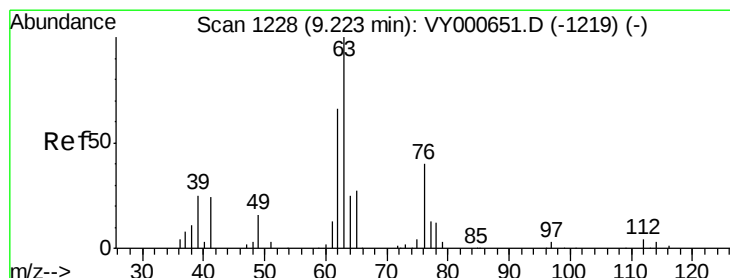
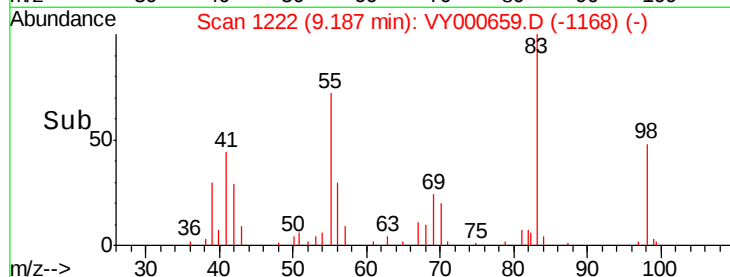
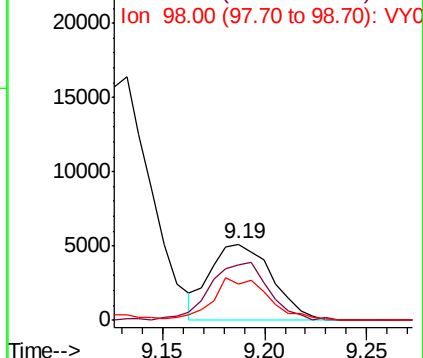
#36
Methylcyclohexane
Concen: 1.159 ug/L
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY000659.D
Acq: 12 Nov 2019 16:23

Instrument :
MSVOA_Y
ClientSampled :
MDL07

Tgt Ion: 83 Resp: 10823
Ion Ratio Lower Upper
83 100
55 71.5 60.0 90.0
98 50.5 40.2 60.2

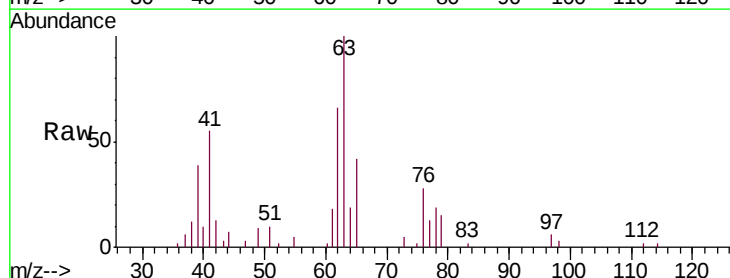


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

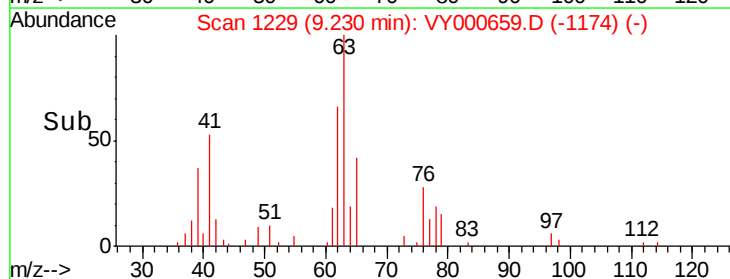
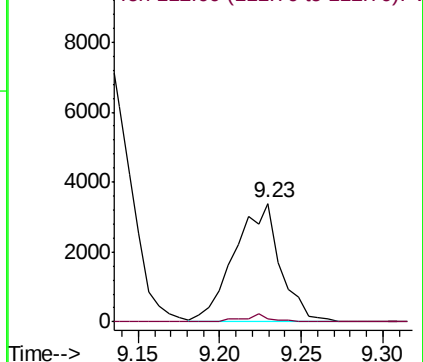


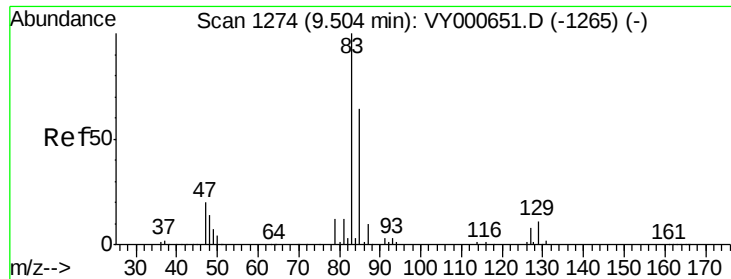
#40
1,2-Dichloropropane
Concen: 1.268 ug/L
RT: 9.23 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VY000659.D
Acq: 12 Nov 2019 16:23

Tgt Ion: 63 Resp: 6683
Ion Ratio Lower Upper
63 100
112 2.5 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VY0
Ion 112.00 (111.70 to 112.70): V

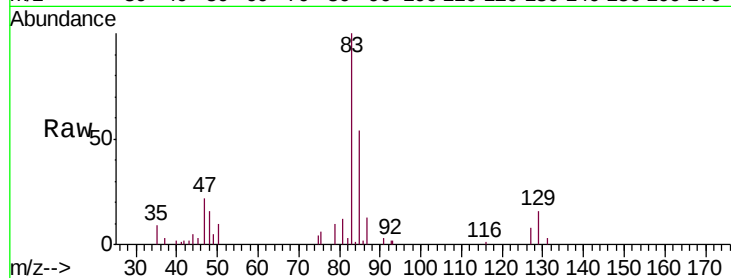




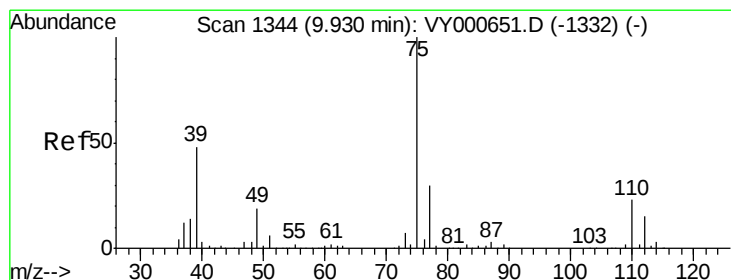
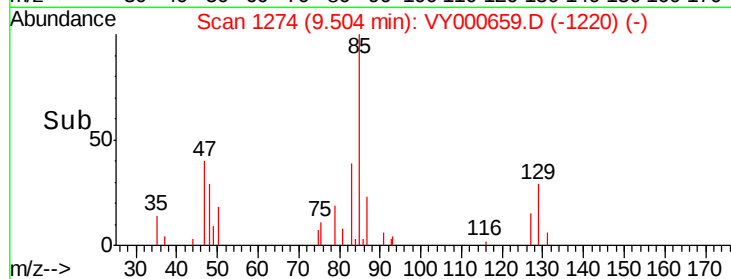
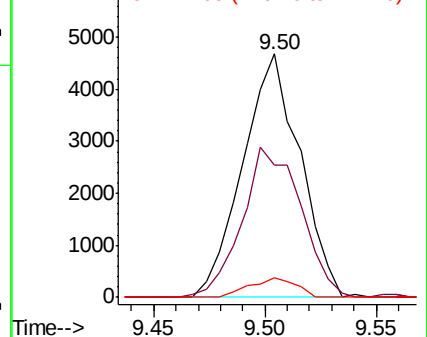
#41
 Bromodichloromethane
 Concen: 1.227 ug/L
 RT: 9.50 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VY000659.D
 Acq: 12 Nov 2019 16:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL07

Tgt Ion: 83 Resp: 8326
 Ion Ratio Lower Upper
 83 100
 85 54.2 46.1 85.5
 127 8.2 6.5 9.7

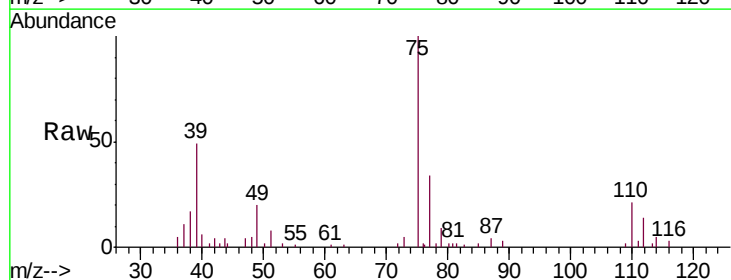


Abundance Ion 83.00 (82.70 to 83.70): VY0
 Ion 85.00 (84.70 to 85.70): VY0
 Ion 127.00 (126.70 to 127.70): V

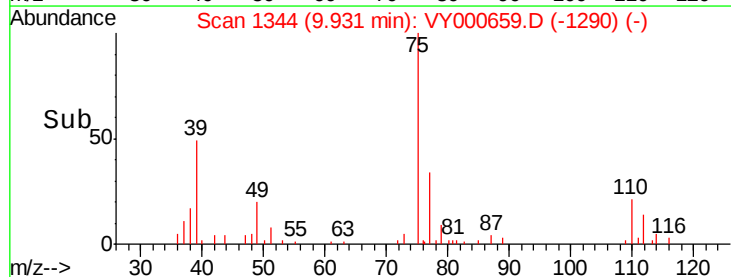
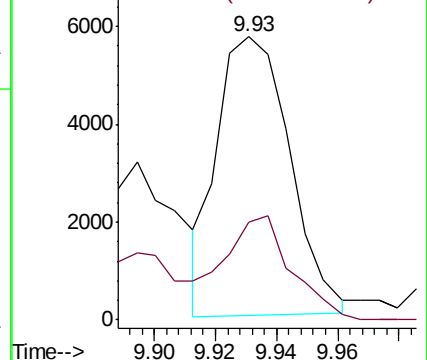


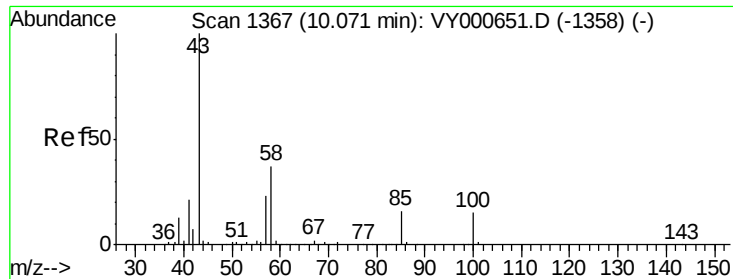
#42
 cis-1,3-Dichloropropene
 Concen: 1.096 ug/L
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY000659.D
 Acq: 12 Nov 2019 16:23

Tgt Ion: 75 Resp: 9308
 Ion Ratio Lower Upper
 75 100
 77 34.4 21.7 40.3



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

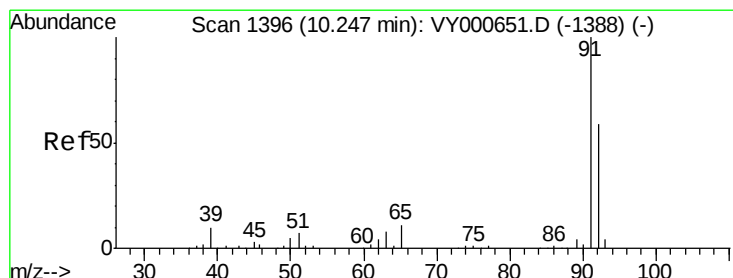
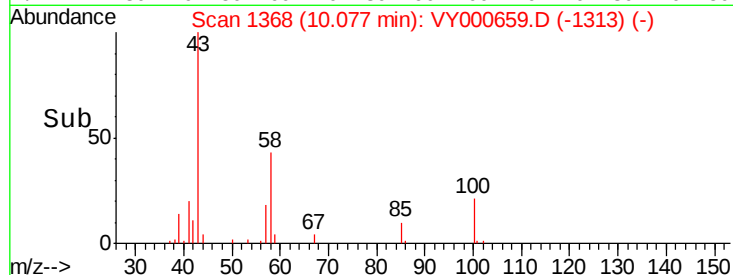
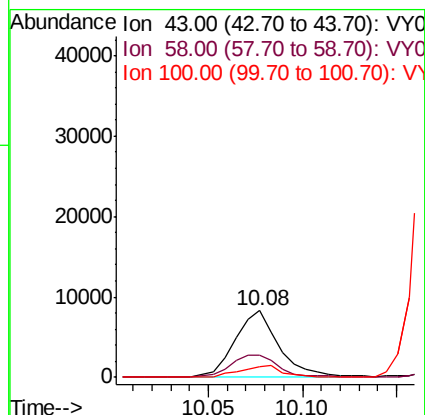
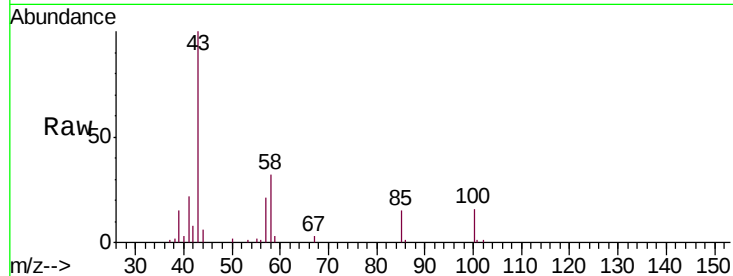




#43
4-Methyl-2-pentanone
Concen: 2.681 ug/L
RT: 10.08 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VY000659.D
Acq: 12 Nov 2019 16:23

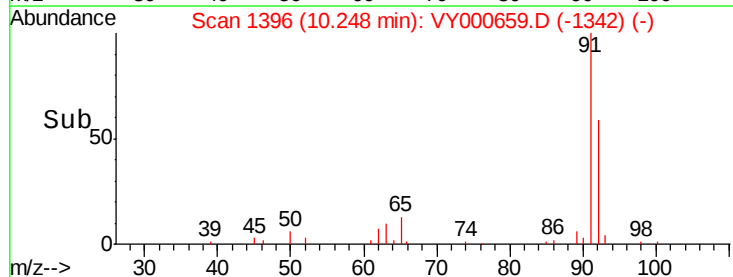
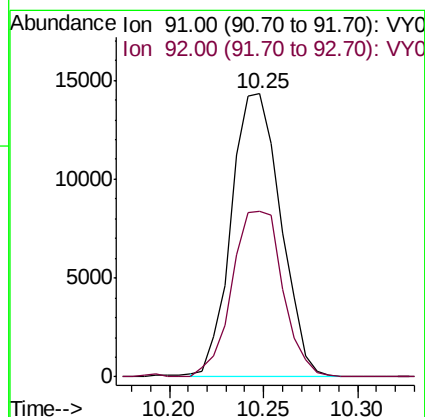
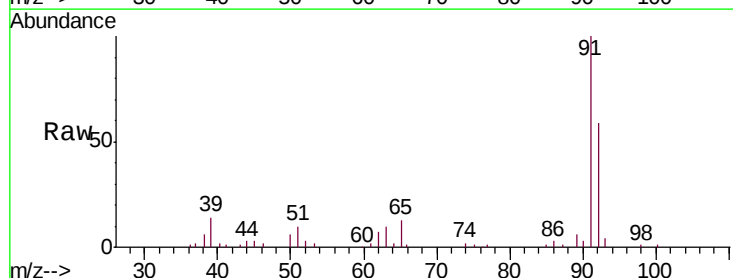
Instrument :
MSVOA_Y
ClientSampleId :
MDL07

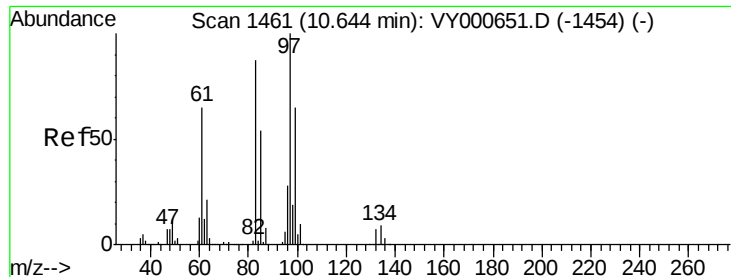
Tgt Ion: 43 Resp: 13519
Ion Ratio Lower Upper
43 100
58 36.3 30.6 45.8
100 16.8 12.0 18.0



#44
Toluene
Concen: 1.159 ug/L
RT: 10.25 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VY000659.D
Acq: 12 Nov 2019 16:23

Tgt Ion: 91 Resp: 26066
Ion Ratio Lower Upper
91 100
92 58.7 39.5 73.4

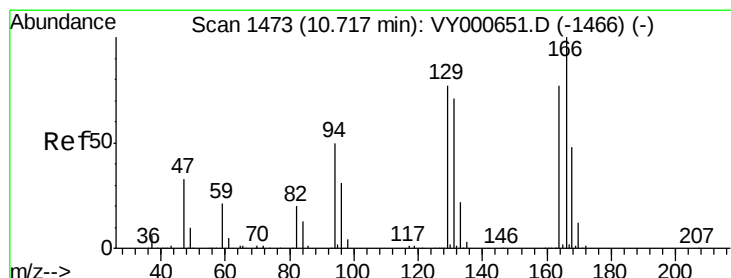
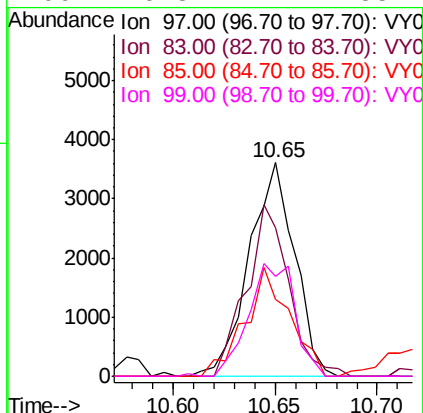
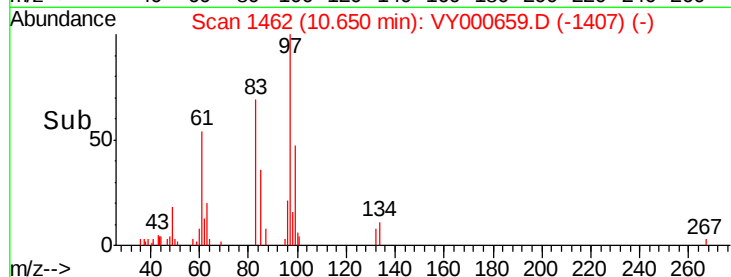
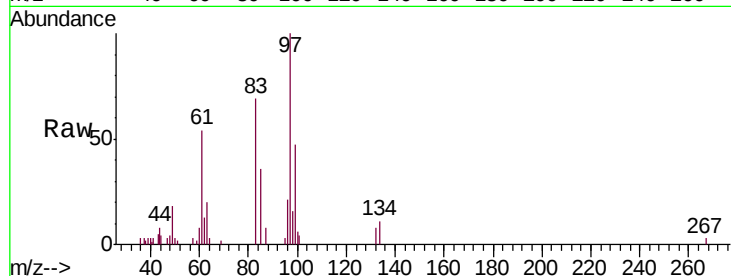




#46
 1,1,2-Trichloroethane
 Concen: 1.297 ug/L
 RT: 10.65 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: VY000659.D
 Acq: 12 Nov 2019 16:23

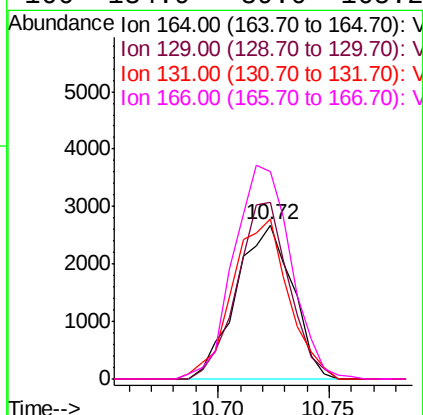
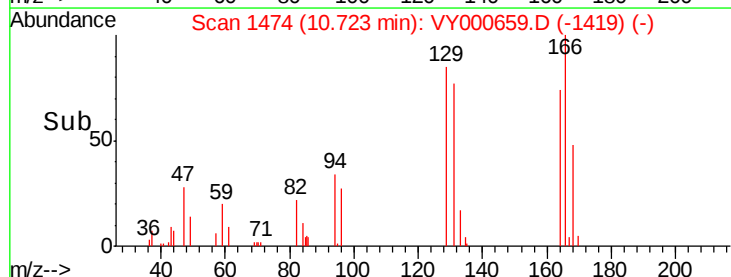
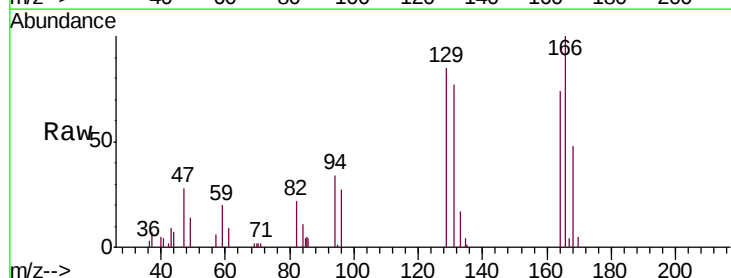
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL07

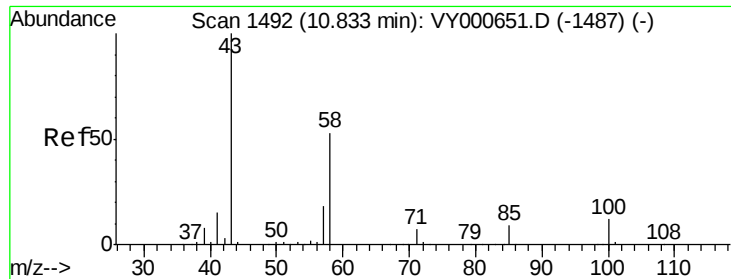
Tgt Ion:	97	Resp:	5611
Ion	Ratio	Lower	Upper
97	100		
83	69.4	58.7	109.1
85	36.0	37.3	69.3#
99	46.8	44.7	83.1



#47
 Tetrachloroethene
 Concen: 1.159 ug/L
 RT: 10.72 min Scan# 1474
 Delta R.T. 0.01 min
 Lab File: VY000659.D
 Acq: 12 Nov 2019 16:23

Tgt Ion:	164	Resp:	4723
Ion	Ratio	Lower	Upper
164	100		
129	114.7	69.6	129.2
131	104.4	66.8	124.2
166	134.9	89.0	165.2





#49

2-Hexanone

Concen: 2.703 ug/L

RT: 10.84 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VY000659.D

Acq: 12 Nov 2019 16:23

Instrument :

MSVOA_Y

ClientSampleId :

MDL07

Tgt Ion: 43 Resp: 10618

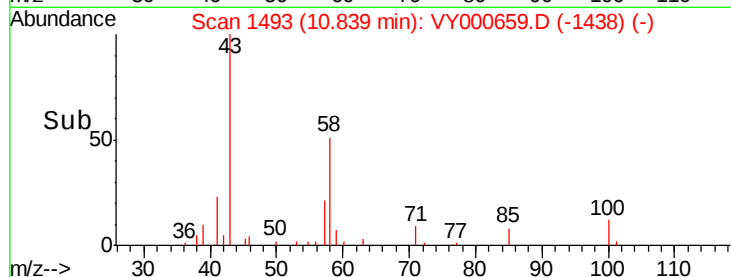
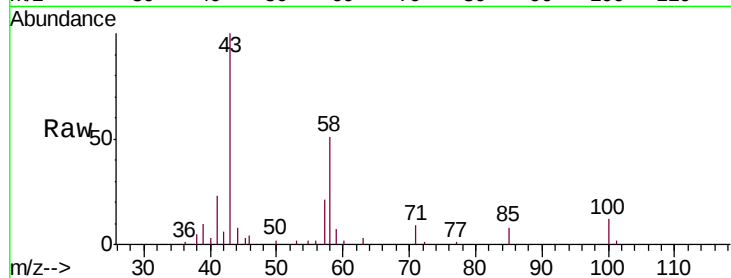
Ion Ratio Lower Upper

43 100

58 61.0 44.1 66.1

57 21.0 13.9 20.9

100 14.2 9.5 14.3

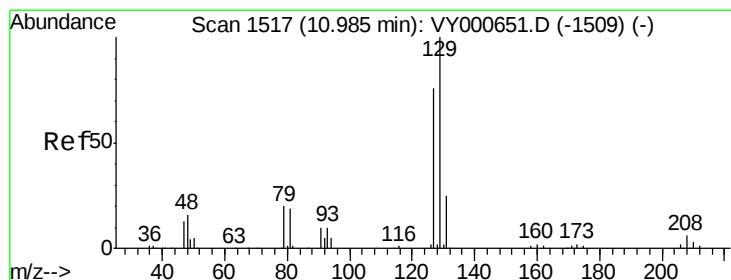
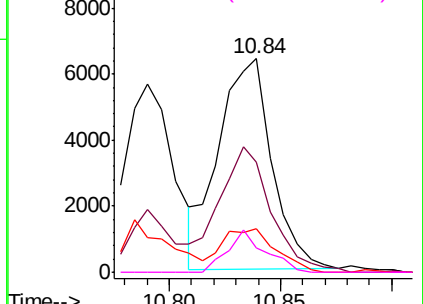


Abundance Ion 43.00 (42.70 to 43.70): VY0

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: 1.111 ug/L

RT: 10.98 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VY000659.D

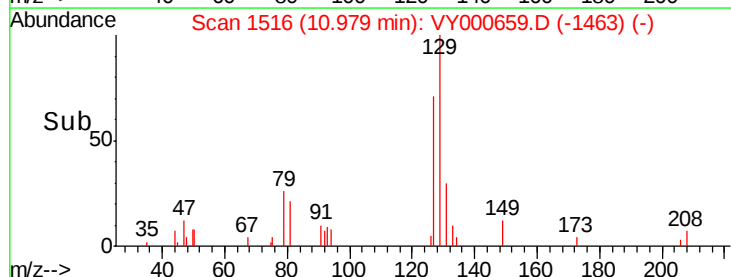
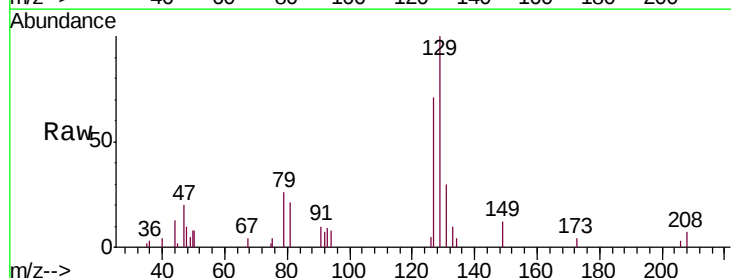
Acq: 12 Nov 2019 16:23

Tgt Ion: 129 Resp: 5428

Ion Ratio Lower Upper

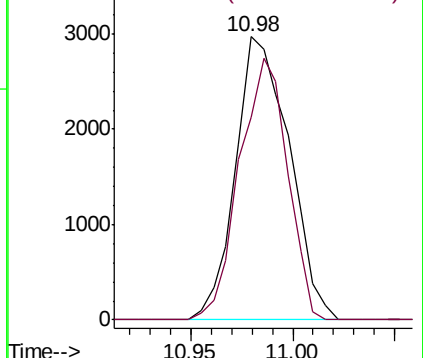
129 100

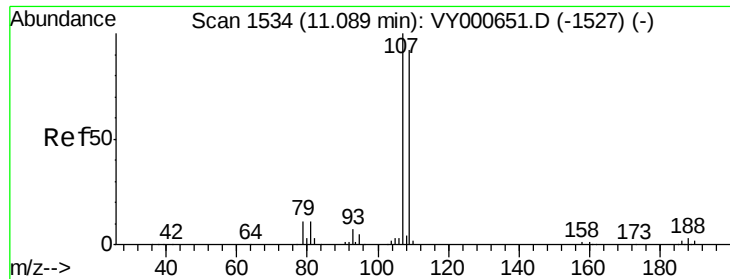
127 71.5 57.9 107.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

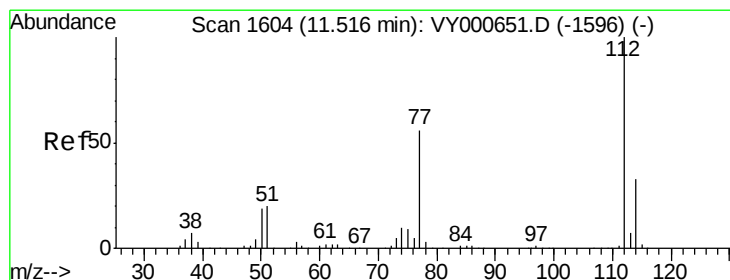
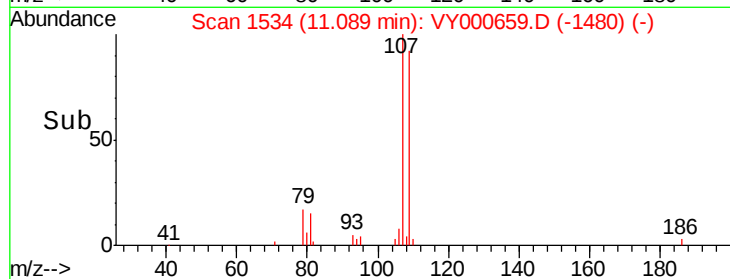
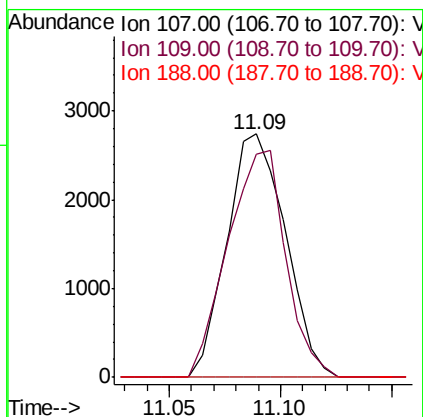
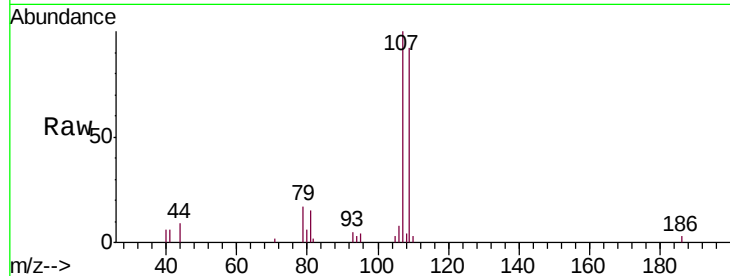




#51
1,2-Dibromoethane
Concen: 1.195 ug/L
RT: 11.09 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VY000659.D
Acq: 12 Nov 2019 16:23

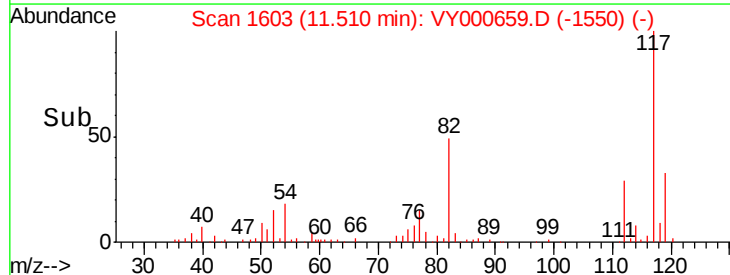
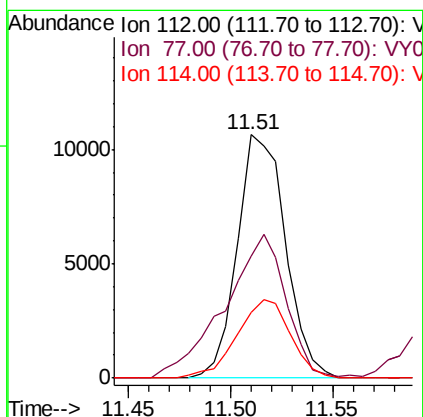
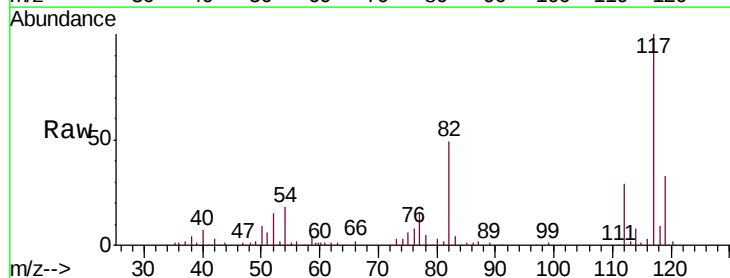
Instrument :
MSVOA_Y
ClientSampleId :
MDL07

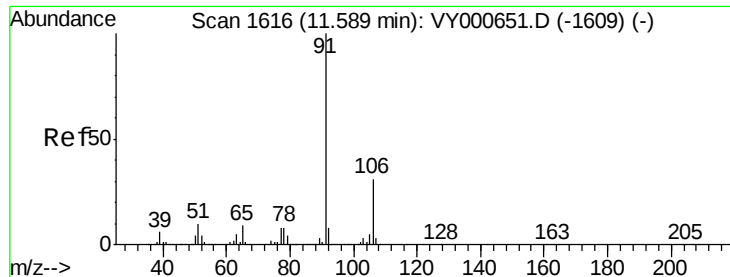
Tgt Ion:107 Resp: 5030
Ion Ratio Lower Upper
107 100
109 91.9 65.5 121.6
188 0.0 2.7 4.1#



#52
Chlorobenzene
Concen: 1.222 ug/L
RT: 11.51 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VY000659.D
Acq: 12 Nov 2019 16:23

Tgt Ion:112 Resp: 17444
Ion Ratio Lower Upper
112 100
77 50.1 47.4 71.0
114 27.1 23.0 42.6





#53

Ethylbenzene

Concen: 1.122 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY000659.D

Acq: 12 Nov 2019 16:23

Instrument :

MSVOA_Y

ClientSampleId :

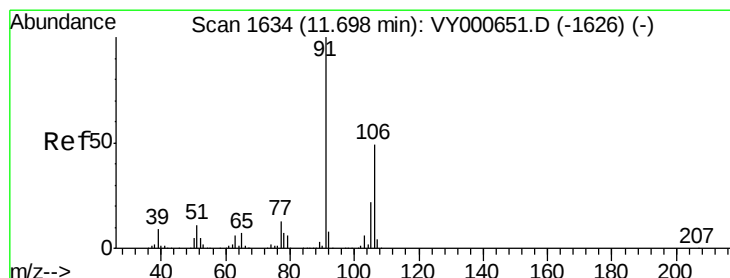
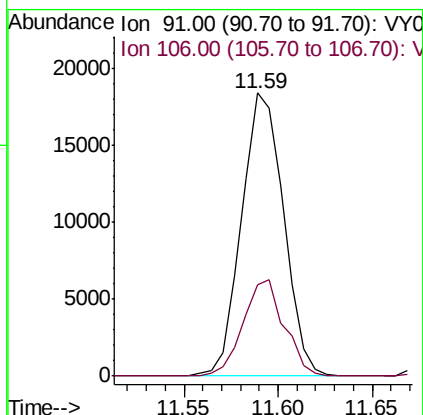
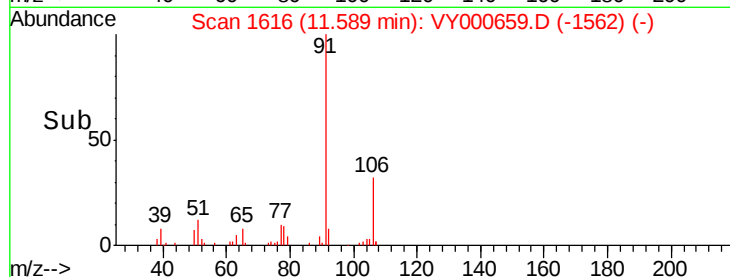
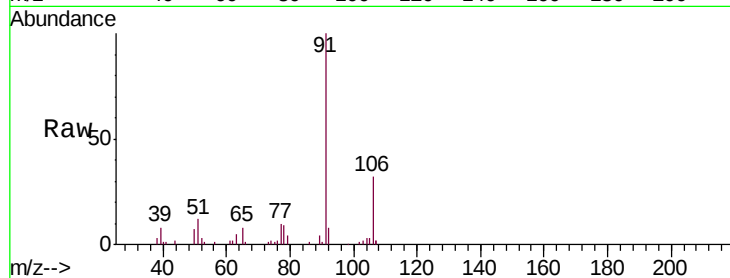
MDL07

Tgt Ion: 91 Resp: 28561

Ion Ratio Lower Upper

91 100

106 32.3 20.9 38.7



#54

m,p-Xylene

Concen: 1.133 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY000659.D

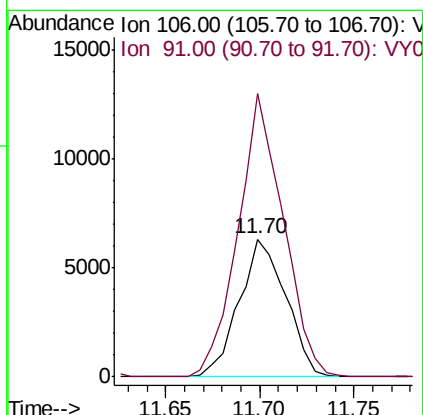
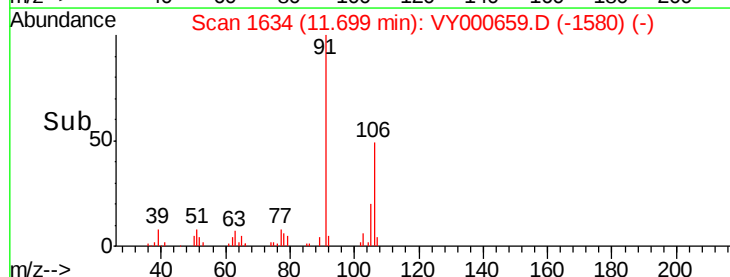
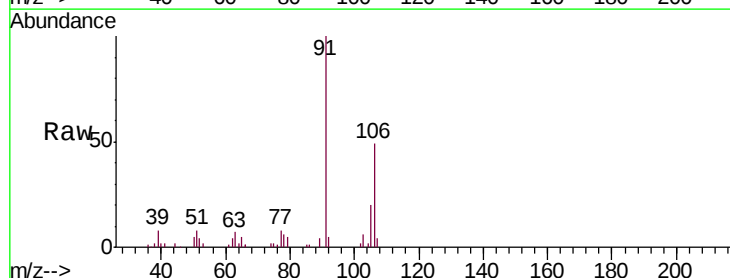
Acq: 12 Nov 2019 16:23

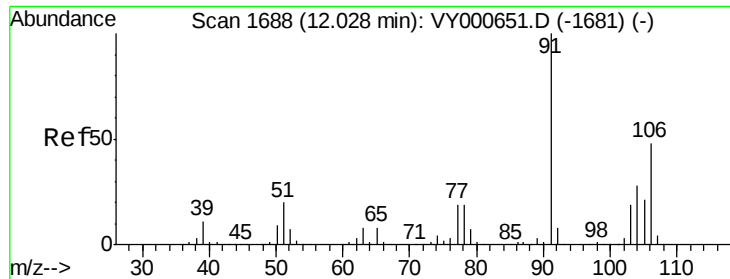
Tgt Ion: 106 Resp: 10907

Ion Ratio Lower Upper

106 100

91 205.7 137.4 255.2

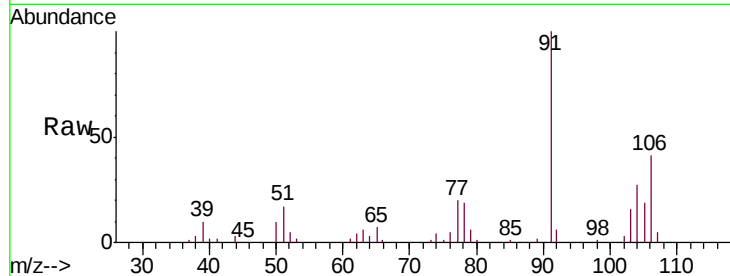




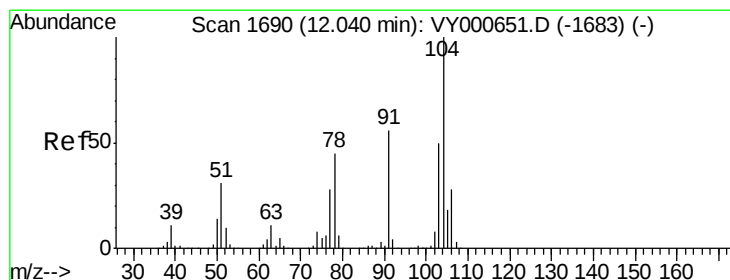
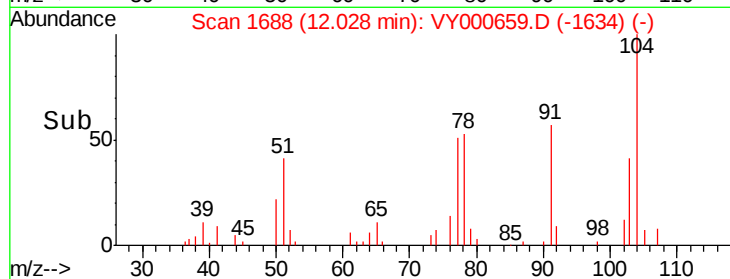
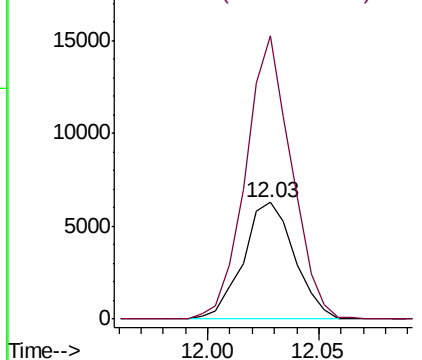
#55
o-xylene
Concen: 1.062 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000659.D
Acq: 12 Nov 2019 16:23

Instrument :
MSVOA_Y
ClientSampleId :
MDL07

Tgt Ion:106 Resp: 10038
Ion Ratio Lower Upper
106 100
91 243.1 147.8 274.6

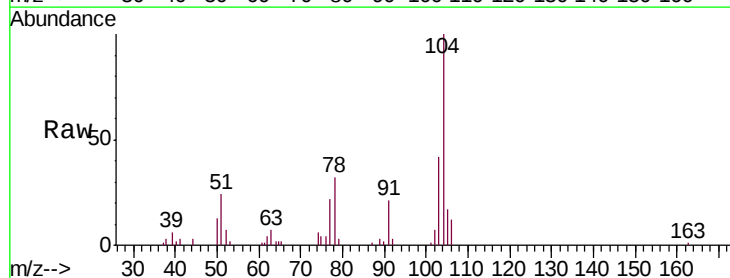


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

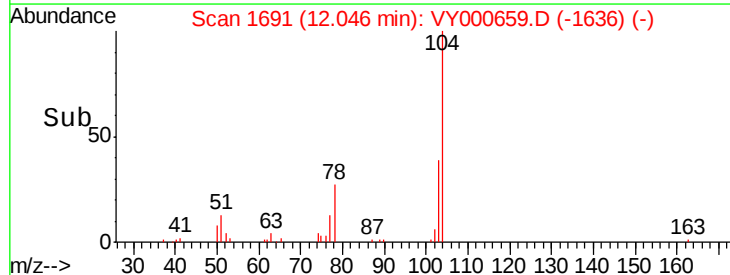
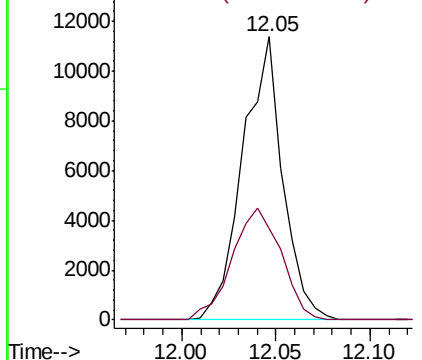


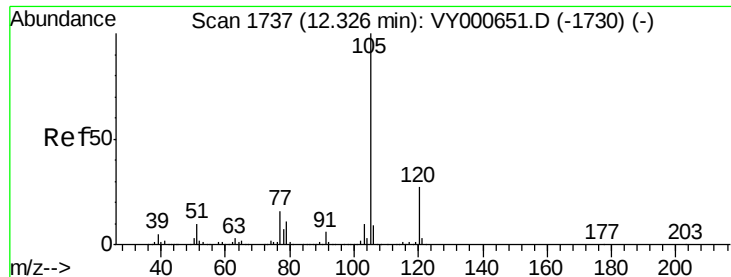
#56
Styrene
Concen: 1.068 ug/L
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY000659.D
Acq: 12 Nov 2019 16:23

Tgt Ion:104 Resp: 16776
Ion Ratio Lower Upper
104 100
78 32.5 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: 1.091 ug/L

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY000659.D

Acq: 12 Nov 2019 16:23

Instrument :

MSVOA_Y

ClientSampleId :

MDL07

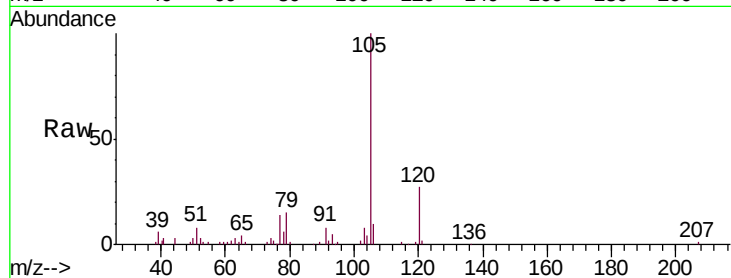
Tgt Ion: 105 Resp: 26816

Ion Ratio Lower Upper

105 100

120 27.7 21.5 32.3

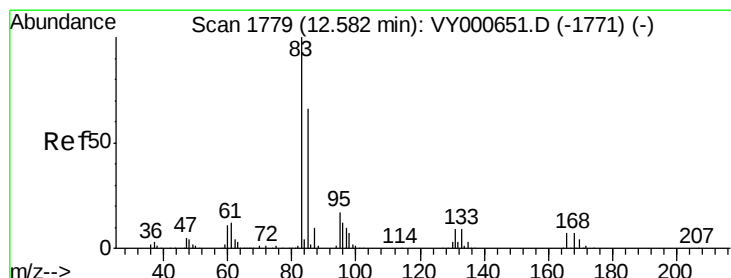
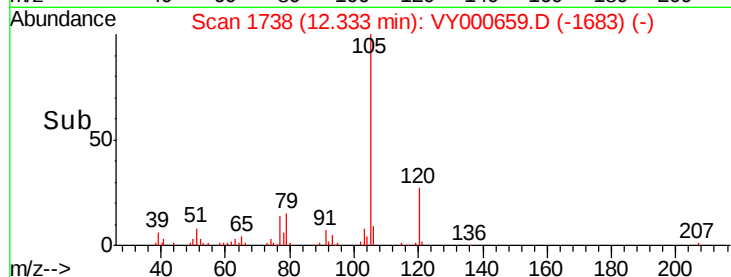
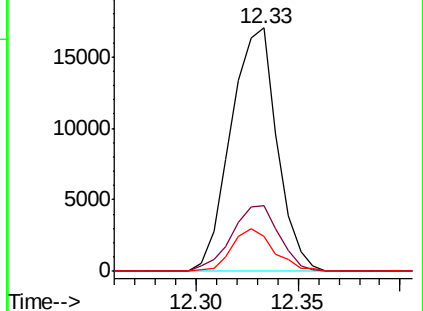
77 16.1 12.6 19.0



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 1.234 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000659.D

Acq: 12 Nov 2019 16:23

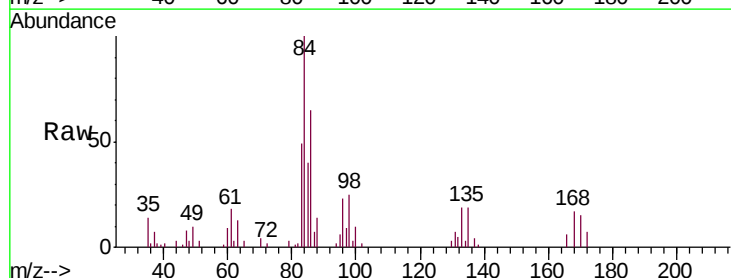
Tgt Ion: 83 Resp: 6658

Ion Ratio Lower Upper

83 100

85 81.0 45.0 83.6

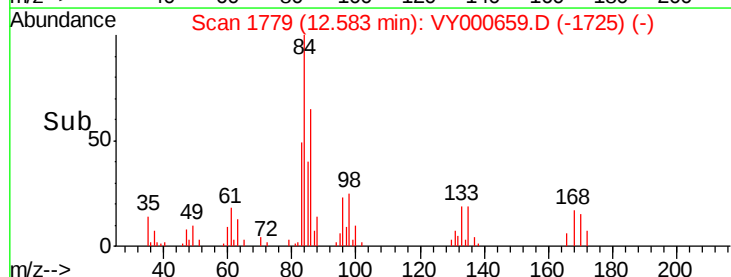
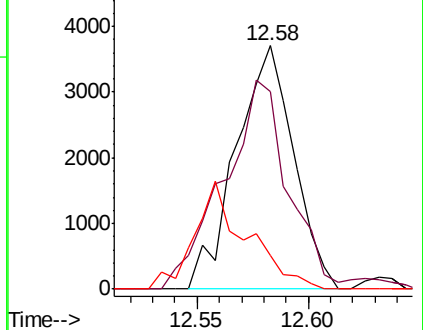
131 13.8 7.8 11.6#

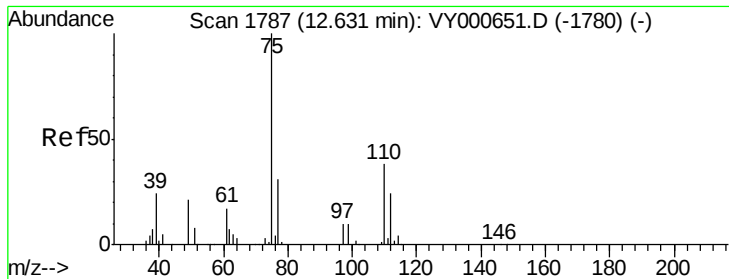


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 1.229 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY000659.D

Acq: 12 Nov 2019 16:23

Instrument :

MSVOA_Y

ClientSampleId :

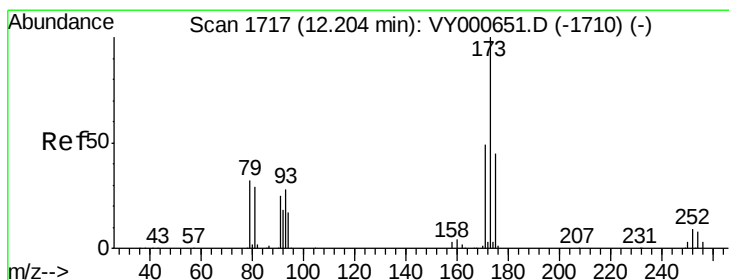
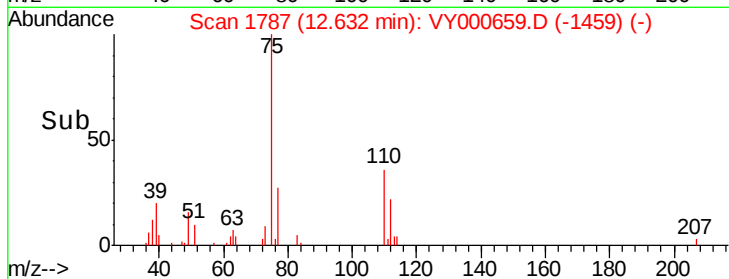
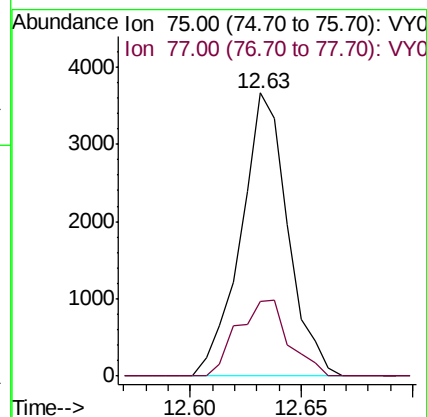
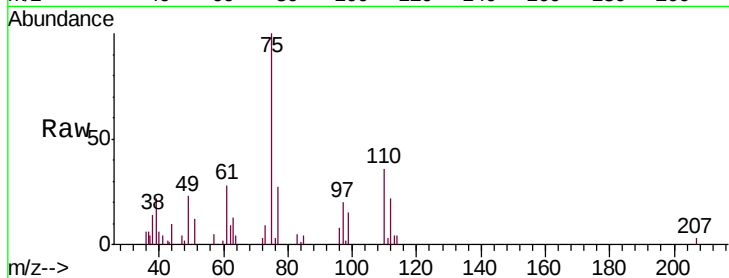
MDL07

Tgt Ion: 75 Resp: 5391

Ion Ratio Lower Upper

75 100

77 29.2 26.4 39.6



#62

Bromoform

Concen: 1.033 ug/L

RT: 12.21 min Scan# 1718

Delta R.T. 0.01 min

Lab File: VY000659.D

Acq: 12 Nov 2019 16:23

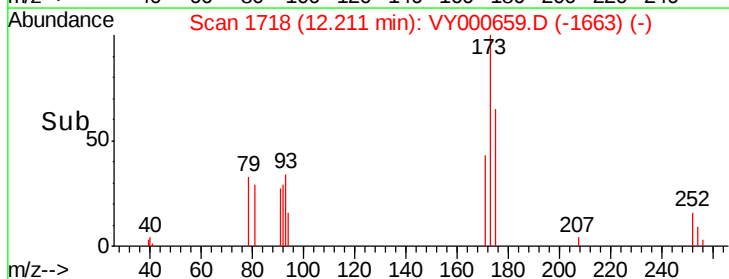
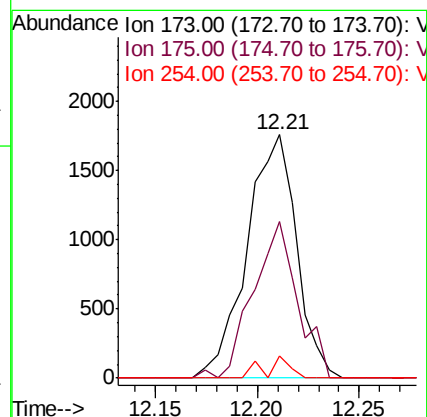
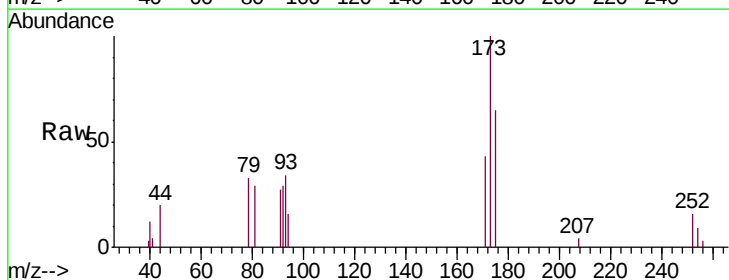
Tgt Ion: 173 Resp: 2970

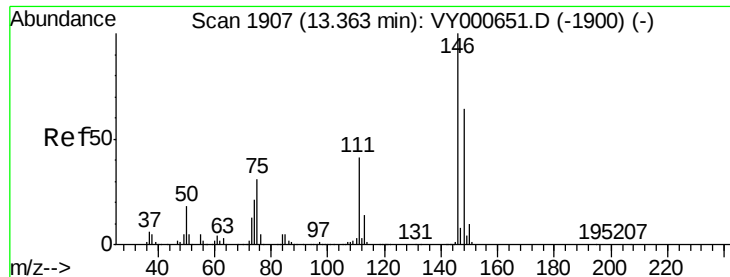
Ion Ratio Lower Upper

173 100

175 57.1 37.8 56.6#

254 2.8 7.7 11.5#





#63

1,3-Dichlorobenzene

Concen: 1.139 ug/L

RT: 13.37 min Scan# 1908

Delta R.T. 0.01 min

Lab File: VY000659.D

Acq: 12 Nov 2019 16:23

Instrument :

MSVOA_Y

ClientSampled :

MDL07

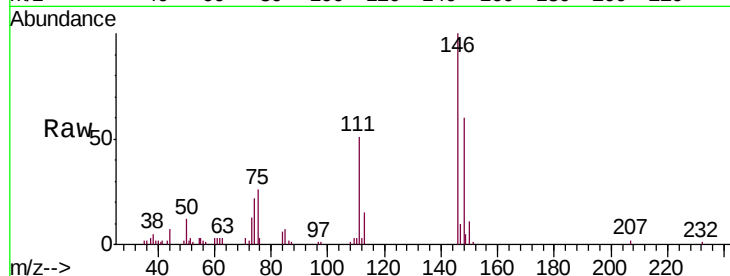
Tgt Ion:146 Resp: 12301

Ion Ratio Lower Upper

146 100

111 51.1 28.8 53.6

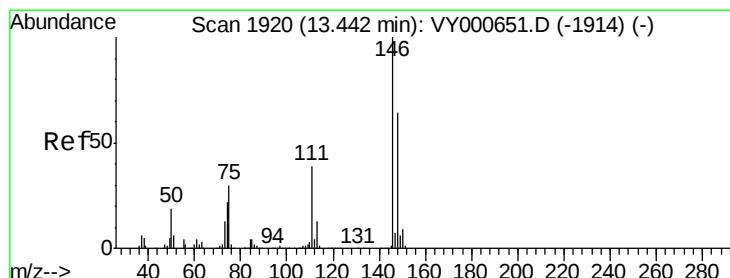
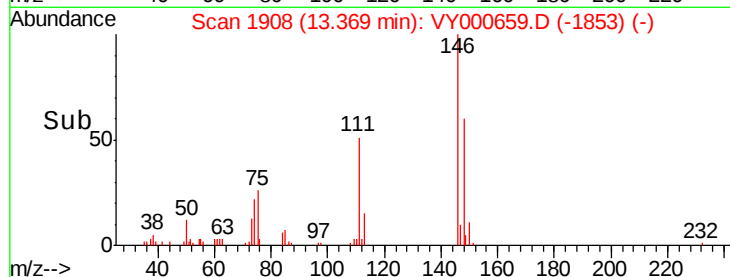
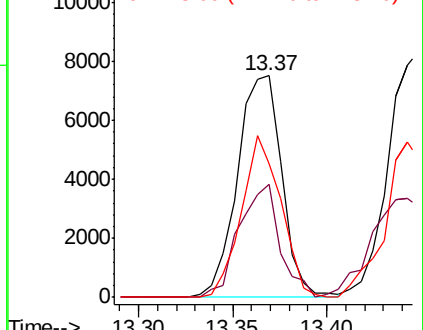
148 60.2 44.3 82.3



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: 1.252 ug/L

RT: 13.45 min Scan# 1921

Delta R.T. 0.01 min

Lab File: VY000659.D

Acq: 12 Nov 2019 16:23

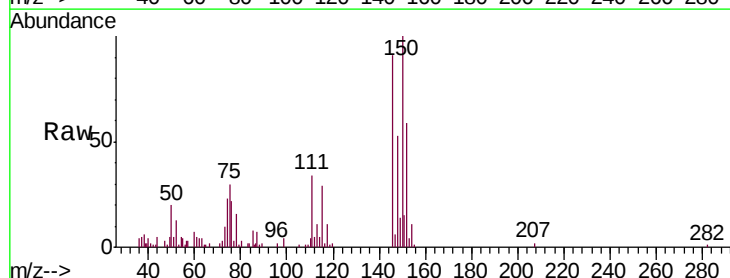
Tgt Ion:146 Resp: 13510

Ion Ratio Lower Upper

146 100

111 37.3 26.7 49.5

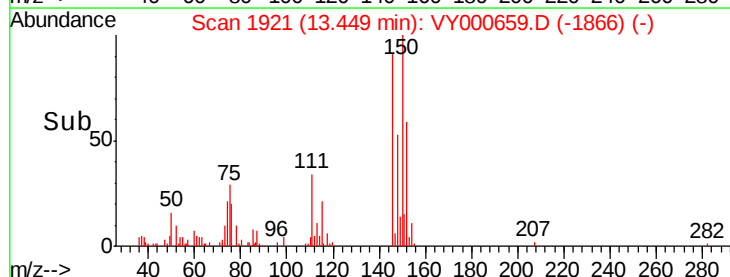
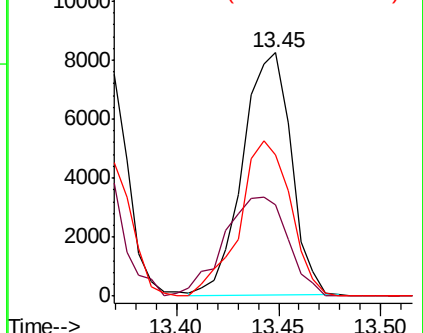
148 58.2 45.2 84.0

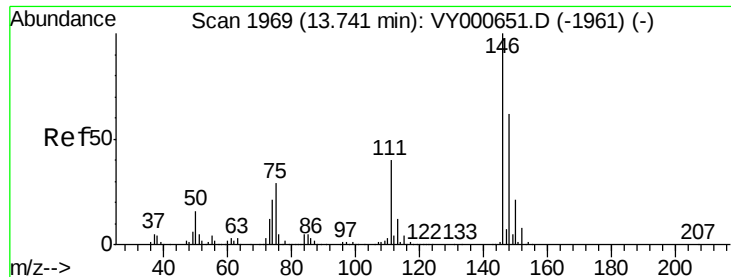


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

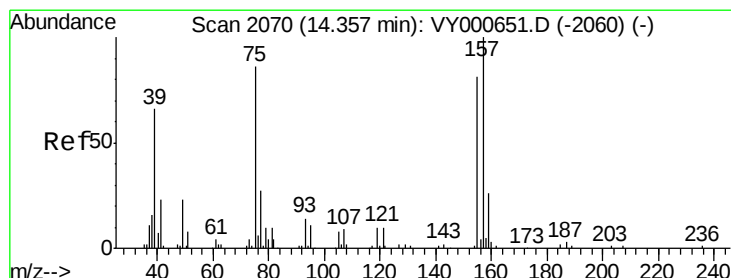
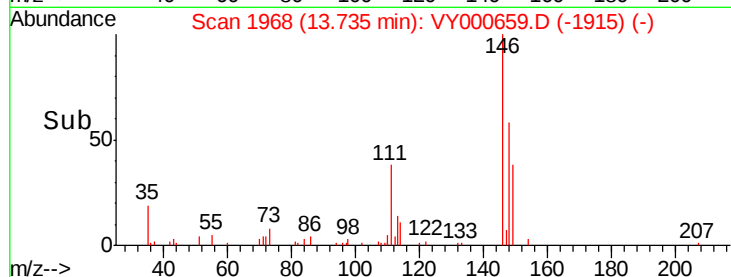
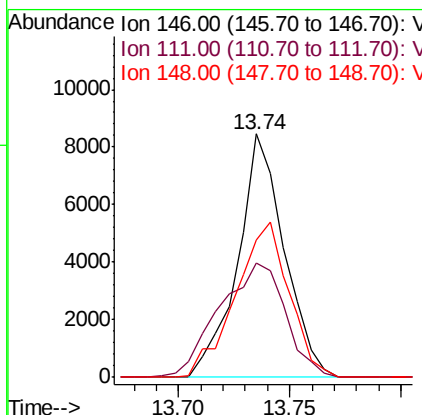
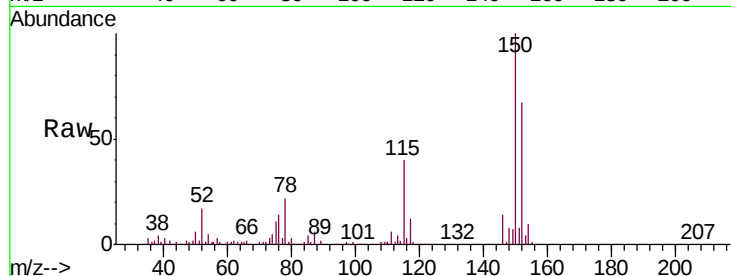




#65
 1,2-Dichlorobenzene
 Concen: 1.231 ug/L
 RT: 13.74 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: VY000659.D
 Acq: 12 Nov 2019 16:23

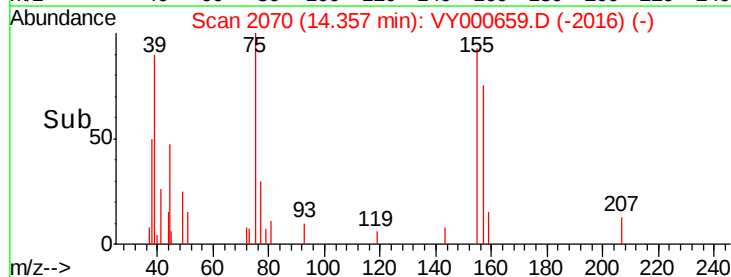
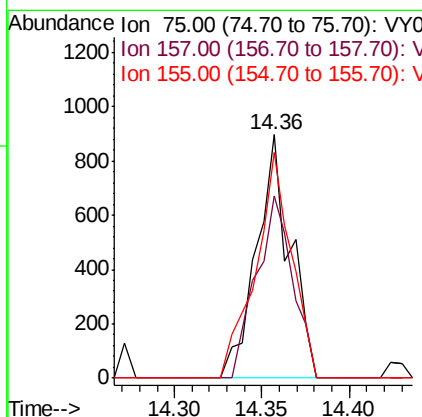
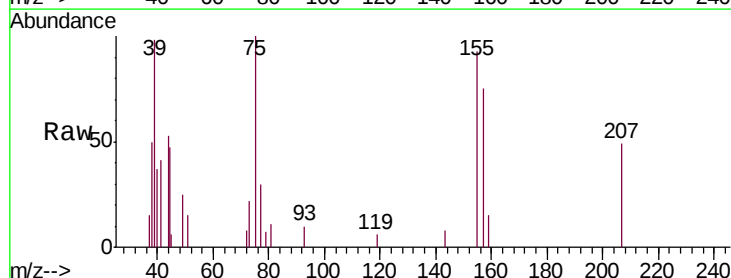
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL07

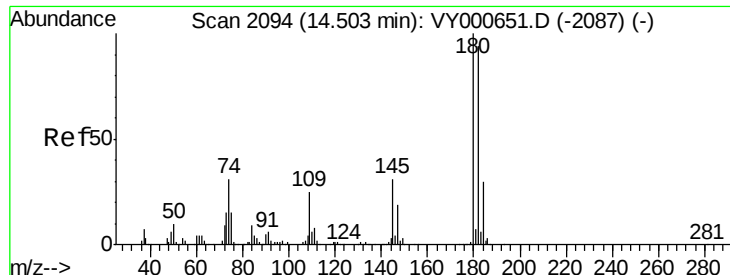
Tgt Ion:146 Resp: 12314
 Ion Ratio Lower Upper
 146 100
 111 46.8 33.8 50.8
 148 56.2 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.267 ug/L
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY000659.D
 Acq: 12 Nov 2019 16:23

Tgt Ion: 75 Resp: 1204
 Ion Ratio Lower Upper
 75 100
 157 74.9 78.1 117.1#
 155 92.9 64.2 96.4

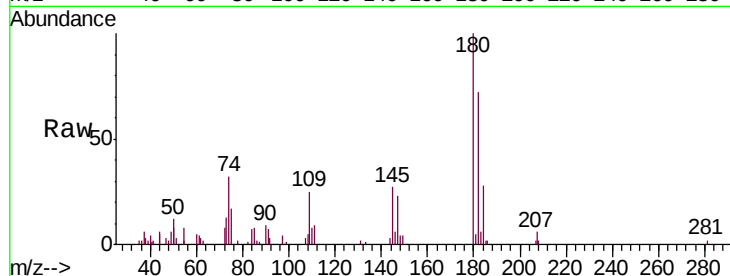




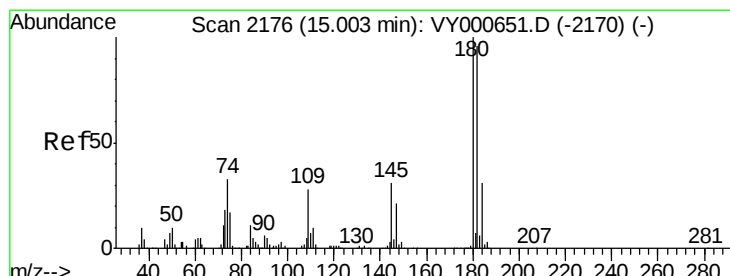
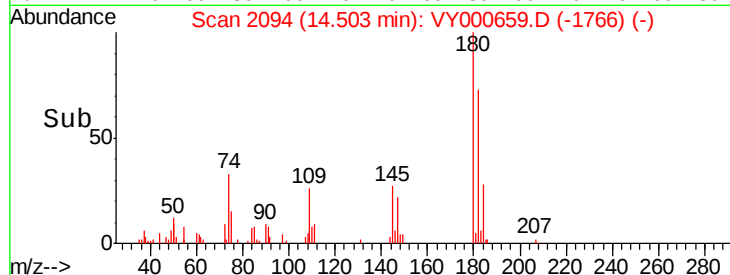
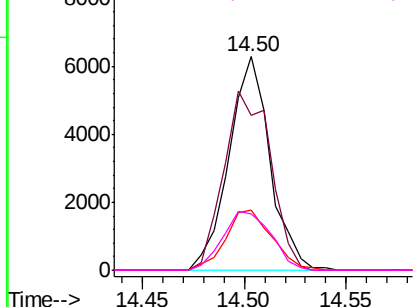
#67
 1,3,5-Trichlorobenzene
 Concen: 1.162 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VY000659.D
 Acq: 12 Nov 2019 16:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL07

Tgt Ion:180 Resp: 8749
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.6 113.4
 184 31.7 24.5 36.7
 145 32.5 25.1 37.7

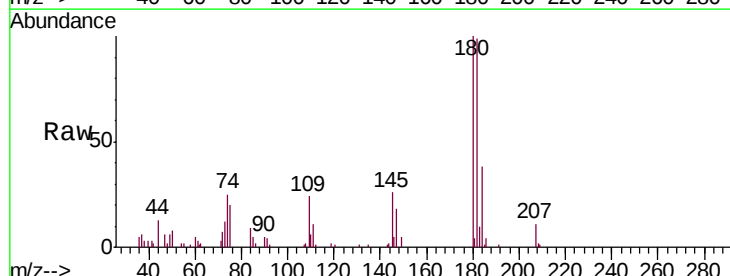


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

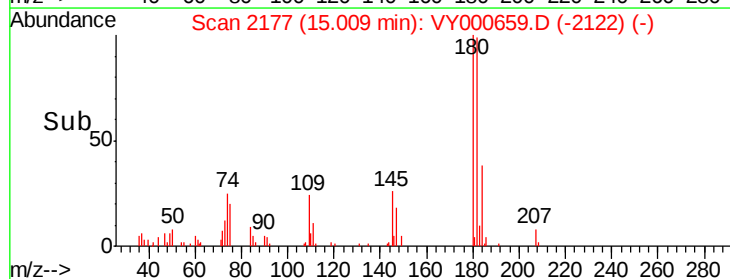
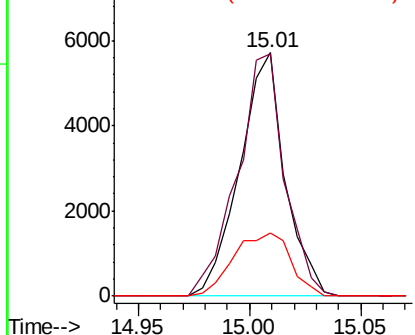


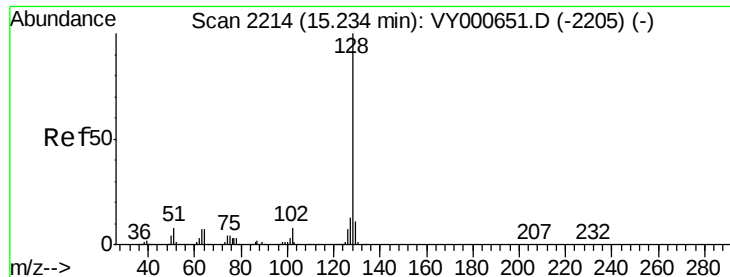
#68
 1,2,4-trichlorobenzene
 Concen: 1.211 ug/L
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000659.D
 Acq: 12 Nov 2019 16:23

Tgt Ion:180 Resp: 8147
 Ion Ratio Lower Upper
 180 100
 182 103.4 77.5 116.3
 145 32.3 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: 1.180 ug/L

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY000659.D

Acq: 12 Nov 2019 16:23

Instrument :

MSVOA_Y

ClientSampleId :

MDL07

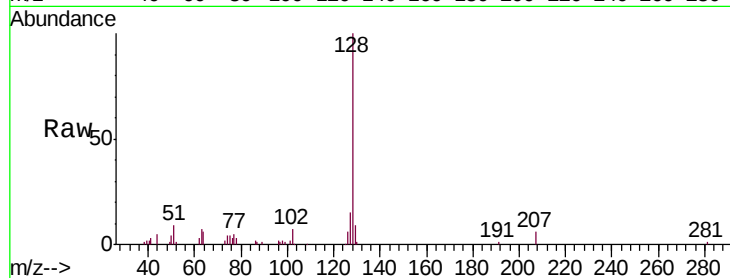
Tgt Ion:128 Resp: 19787

Ion Ratio Lower Upper

128 100

129 11.1 8.4 12.6

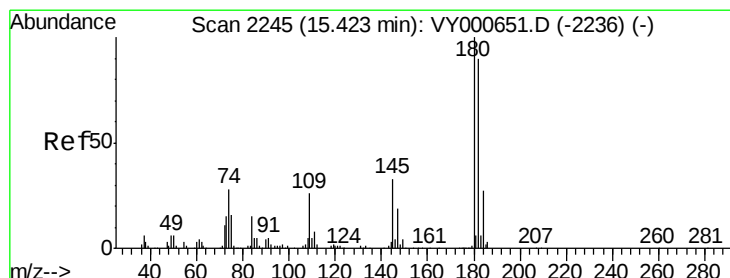
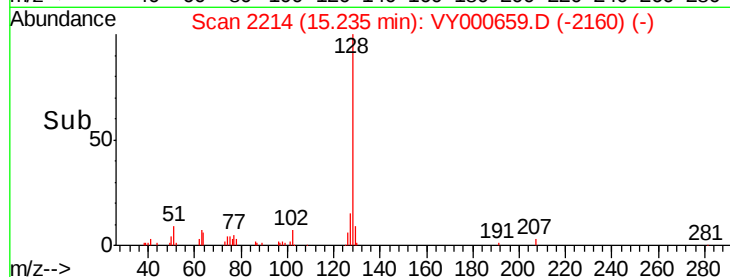
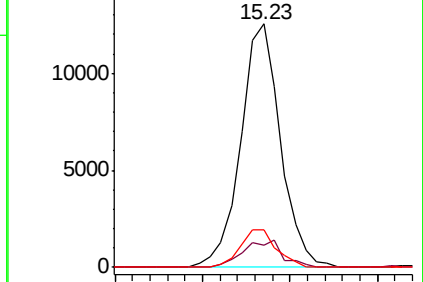
127 14.0 9.8 14.6



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: 1.313 ug/L

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY000659.D

Acq: 12 Nov 2019 16:23

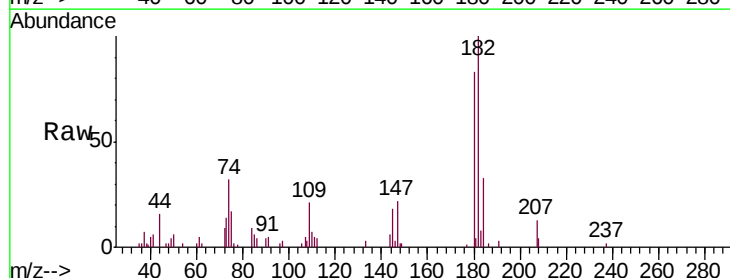
Tgt Ion:180 Resp: 8214

Ion Ratio Lower Upper

180 100

182 99.9 76.2 114.4

145 32.3 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

