

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111419\
 Data File : VY000685.D
 Acq On : 14 Nov 2019 20:49
 Operator : SY/MD
 Sample : MDL6
 Misc : 5ML/MSVOA_Y/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL6

Quant Time: Nov 15 10:20:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOMYLM111419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 15 10:16:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	307673	50.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	271578	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	124222	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	115563	47.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.64%
7) Chloroethane-d5	2.76	69	101130	50.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.52%
11) 1,1-Dichloroethene-d2	3.85	63	161735	38.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.92%
21) 2-Butanone-d5	6.91	46	114380	119.98	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.98%
24) Chloroform-d	7.49	84	194706	55.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.80%
26) 1,2-Dichloroethane-d4	8.15	65	131673	53.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.18%
32) Benzene-d6	8.12	84	413384	54.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.86%
36) 1,2-Dichloropropane-d6	9.13	67	128696	54.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.84%
41) Toluene-d8	10.18	98	358439	50.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.94%
43) trans-1,3-Dichloropropene-	10.44	79	64348	54.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.76%
47) 2-Hexanone-d5	10.79	63	81285	117.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.67%
57) 1,1,2,2-Tetrachloroethane-	12.56	84	145823	52.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.52%
64) 1,2-Dichlorobenzene-d4	13.72	152	129641	53.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	2814	1.602 ug/L	99
3) Chloromethane	2.12	50	5217	2.233 ug/L	91
5) Vinyl chloride	2.25	62	5323	2.272 ug/L #	40
6) Bromomethane	2.65	94	3391	2.518 ug/L #	55
8) Chloroethane	2.80	64	3432	2.334 ug/L	86
9) Trichlorofluoromethane	3.13	101	6287	1.818 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	3.88	101	1877	0.972 ug/L #	38
12) 1,1-Dichloroethene	3.86	96	5434	2.814 ug/L #	1
13) Acetone	3.96	43	3162	4.607 ug/L	96
14) Carbon disulfide	4.19	76	11162	2.095 ug/L #	95
15) Methyl Acetate	4.49	43	3742	2.169 ug/L #	75
17) trans-1,2-Dichloroethene	5.22	96	4159	2.062 ug/L	96
19) 1,1-Dichloroethane	6.02	63	3671	1.013 ug/L	93
20) cis-1,2-Dichloroethene	7.00	96	5001	2.213 ug/L	79
22) 2-Butanone	7.00	43	3200	2.963 ug/L	79
23) Bromochloromethane	7.34	128	1772	1.701 ug/L	92
25) Chloroform	7.51	83	12429	2.995 ug/L	92

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

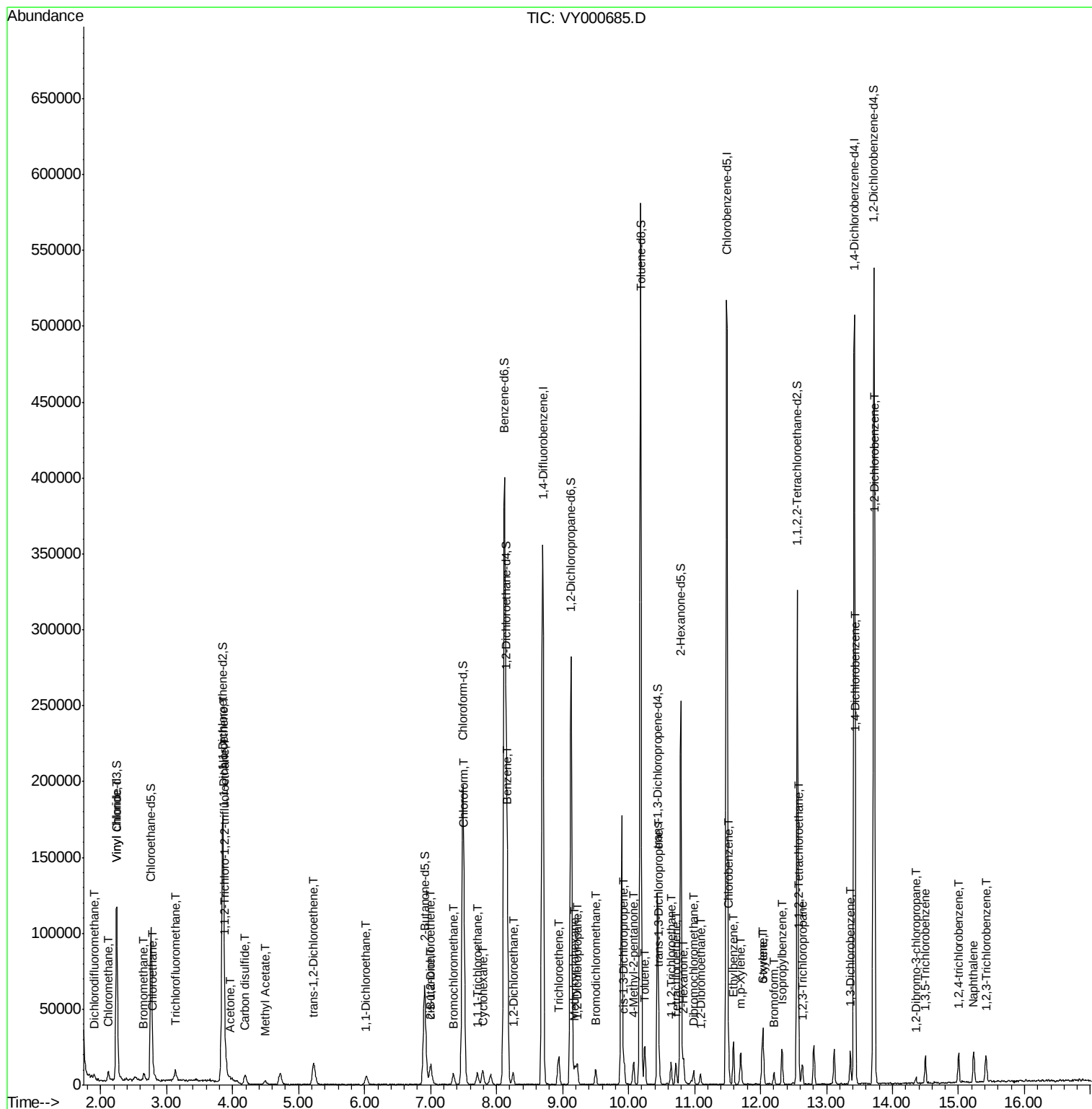
27) 1,2-Dichloroethane	8.25	62	6648	2.346	ug/L	97
29) Cyclohexane	7.80	56	5050	1.593	ug/L #	89
30) 1,1,1-Trichloroethane	7.71	97	6049	2.039	ug/L	97
33) Benzene	8.17	78	18202	2.250	ug/L	100
34) Trichloroethene	8.95	95	4415	2.173	ug/L	82
35) Methylcyclohexane	9.18	83	4848	1.446	ug/L	96
37) 1,2-Dichloropropane	9.22	63	4645	2.315	ug/L #	94
38) Bromodichloromethane	9.50	83	5626	2.087	ug/L #	85
39) cis-1,3-Dichloropropene	9.93	75	6915	2.028	ug/L	88
40) 4-Methyl-2-pentanone	10.08	43	9624	4.181	ug/L	97
42) Toluene	10.24	91	16936	1.978	ug/L	98
44) trans-1,3-Dichloropropene	10.46	75	6565	2.199	ug/L	90
45) 1,1,2-Trichloroethane	10.64	97	3761	1.975	ug/L #	82
46) Tetrachloroethene	10.71	164	2171	1.381	ug/L	92
48) 2-Hexanone	10.83	43	9210	5.541	ug/L	97
49) Dibromochloromethane	10.99	129	4251	2.061	ug/L	88
50) 1,2-Dibromoethane	11.10	107	4010	2.104	ug/L #	92
51) Chlorobenzene	11.52	112	11463	2.078	ug/L	92
52) Ethylbenzene	11.60	91	17636	1.805	ug/L	97
53) m,p-Xylene	11.70	106	6655	1.771	ug/L	97
54) o-xylene	12.03	106	6562	1.781	ug/L	91
55) Styrene	12.04	104	11320	1.808	ug/L	94
56) Isopropylbenzene	12.33	105	14922	1.582	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.58	83	6412	2.381	ug/L #	90
59) 1,2,3-Trichloropropane	12.63	75	4884	2.292	ug/L	97
61) Bromoform	12.20	173	2603	2.070	ug/L #	89
62) 1,3-Dichlorobenzene	13.36	146	7546	1.937	ug/L	89
63) 1,4-Dichlorobenzene	13.44	146	8740	2.190	ug/L	97
65) 1,2-Dichlorobenzene	13.73	146	8126	2.118	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.35	75	1030	2.222	ug/L #	63
67) 1,3,5-Trichlorobenzene	14.50	180	4991	1.836	ug/L	93
68) 1,2,4-trichlorobenzene	15.00	180	5236	2.053	ug/L	98
69) Naphthalene	15.23	128	15150	1.988	ug/L	97
70) 1,2,3-Trichlorobenzene	15.42	180	5120	2.086	ug/L	97

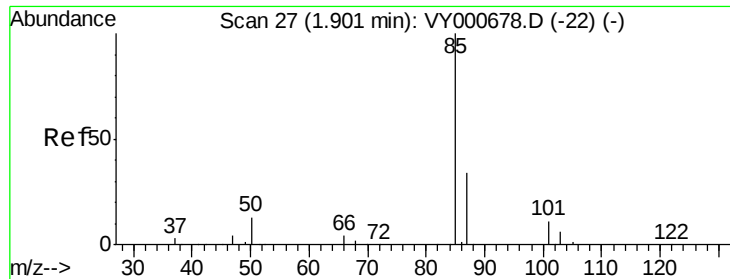
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MDL6

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#2

Dichlorodifluoromethane

Concen: 1.602 ug/L

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Instrument :

MSVOA_Y

ClientSampled :

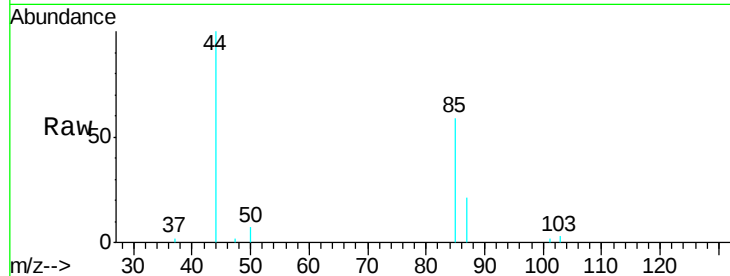
MDL6

Tgt Ion: 85 Resp: 2814

Ion Ratio Lower Upper

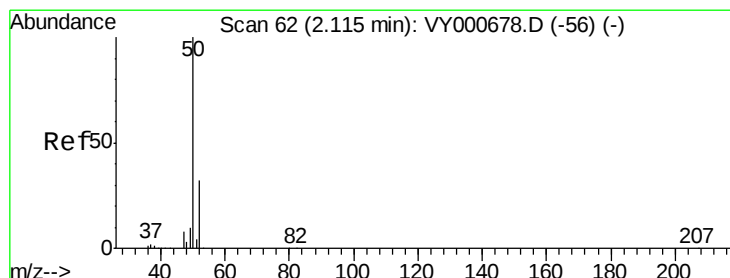
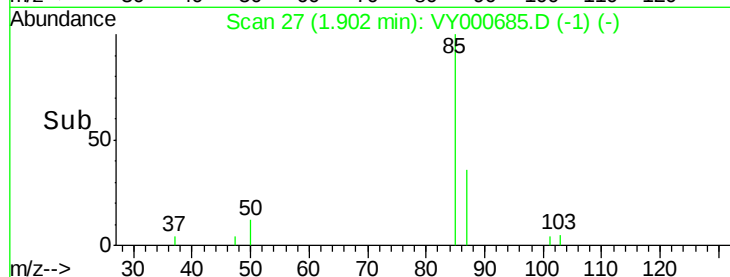
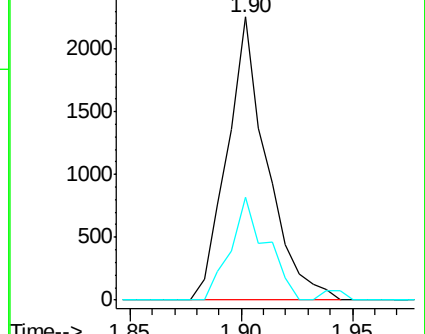
85 100

87 32.9 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 2.233 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000685.D

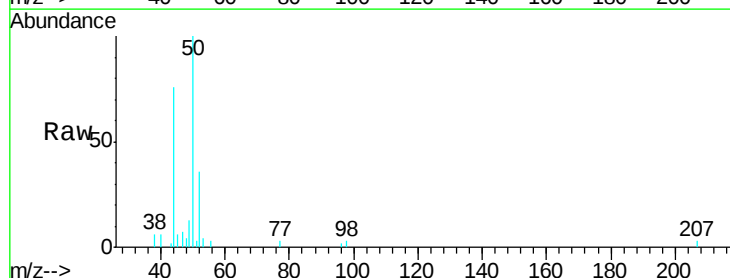
Acq: 14 Nov 2019 20:49

Tgt Ion: 50 Resp: 5217

Ion Ratio Lower Upper

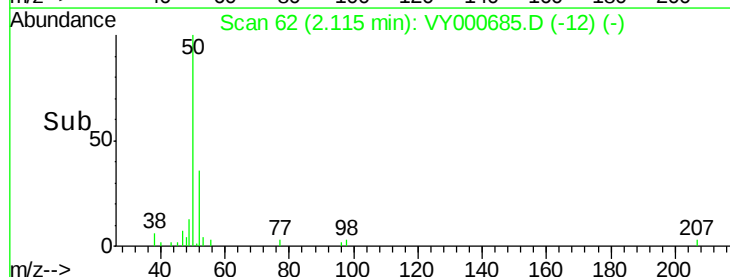
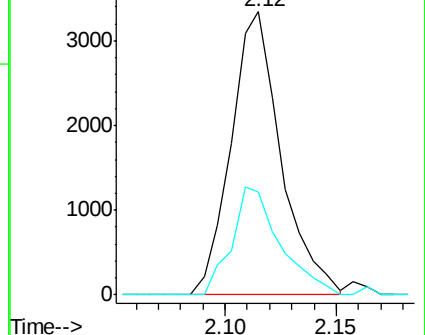
50 100

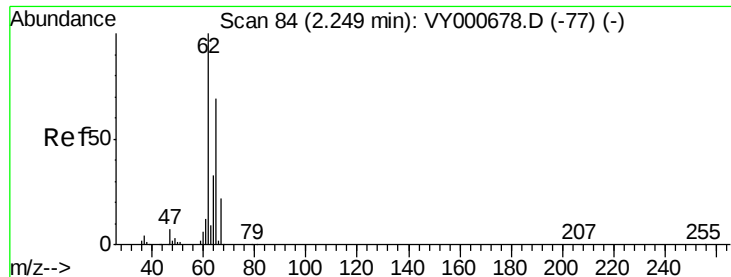
52 36.4 22.2 41.2



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 2.272 ug/L

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Instrument :

MSVOA_Y

ClientSampleId :

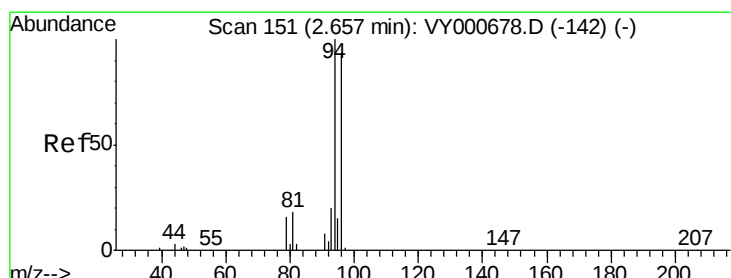
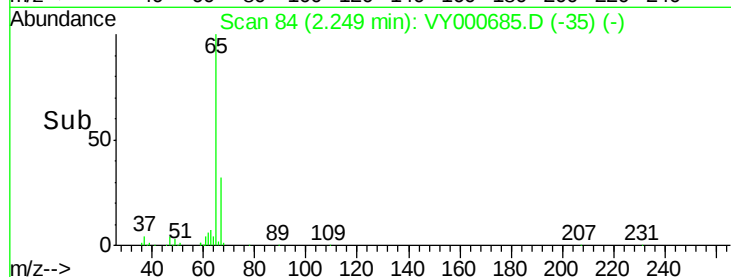
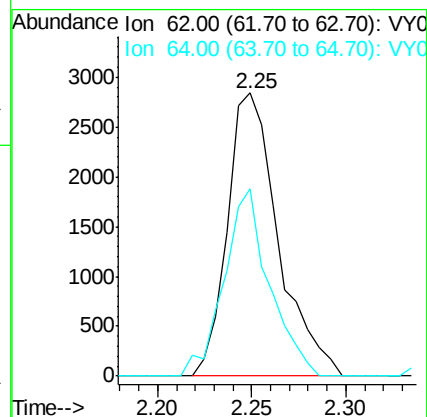
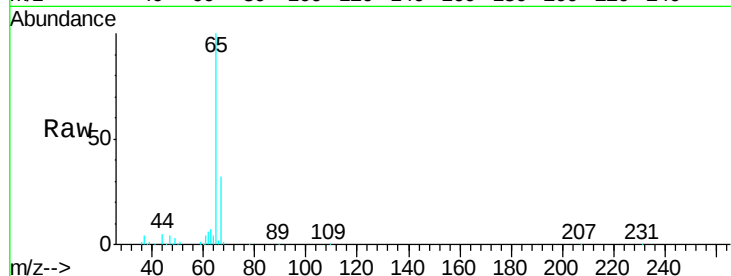
MDL6

Tgt Ion: 62 Resp: 5323

Ion Ratio Lower Upper

62 100

64 66.0 22.7 42.1#



#6

Bromomethane

Concen: 2.518 ug/L

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY000685.D

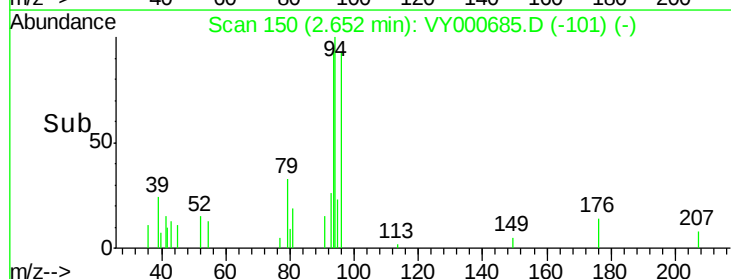
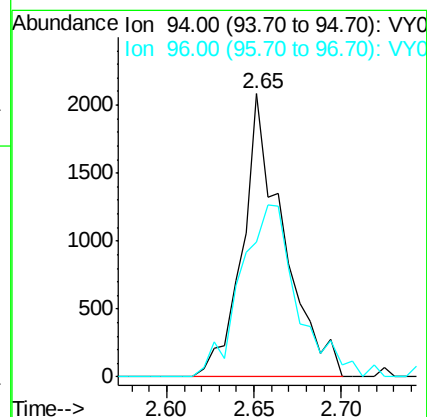
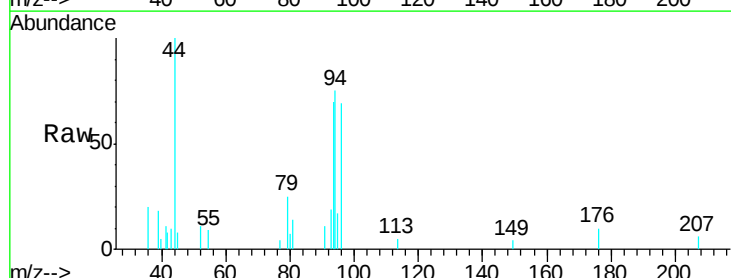
Acq: 14 Nov 2019 20:49

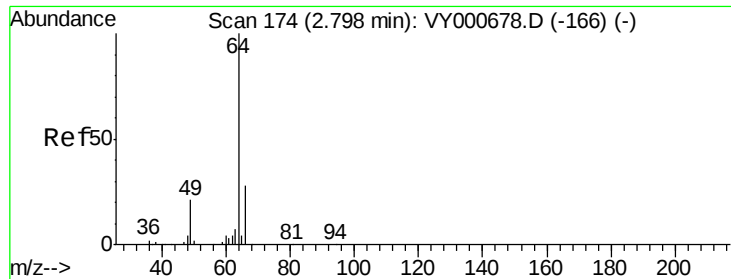
Tgt Ion: 94 Resp: 3391

Ion Ratio Lower Upper

94 100

96 47.6 63.0 117.0#





#8

Chloroethane

Concen: 2.334 ug/L

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Instrument :

MSVOA_Y

ClientSampleId :

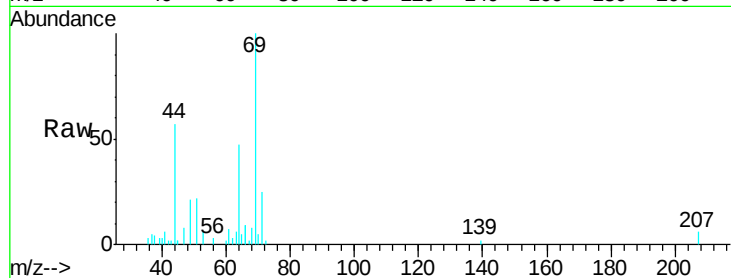
MDL6

Tgt Ion: 64 Resp: 3432

Ion Ratio Lower Upper

64 100

66 38.9 21.7 40.3



Abundance Ion 64.00 (63.70 to 64.70): VY000678.D (-166) (-)

Ion 66.00 (65.70 to 66.70): VY000678.D (-166) (-)

2000

1500

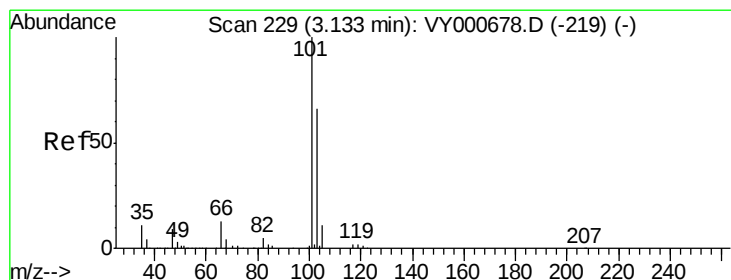
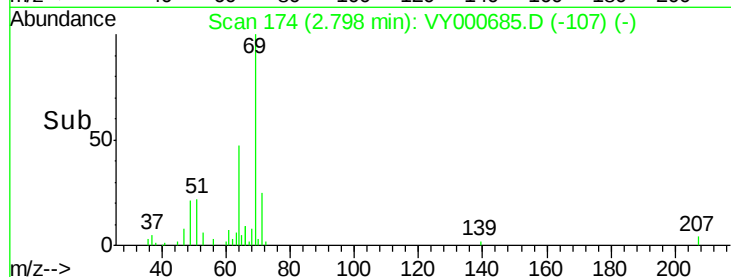
1000

500

0

2.75 2.80 2.85

Time-->



#9

Trichlorofluoromethane

Concen: 1.818 ug/L

RT: 3.13 min Scan# 228

Delta R.T. -0.00 min

Lab File: VY000685.D

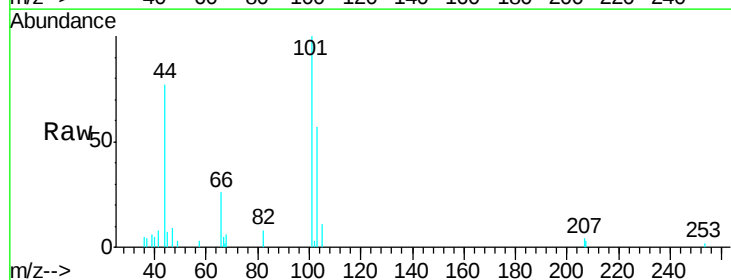
Acq: 14 Nov 2019 20:49

Tgt Ion: 101 Resp: 6287

Ion Ratio Lower Upper

101 100

103 70.2 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VY000678.D (-219) (-)

Ion 103.00 (102.70 to 103.70): VY000678.D (-219) (-)

3000

2500

2000

1500

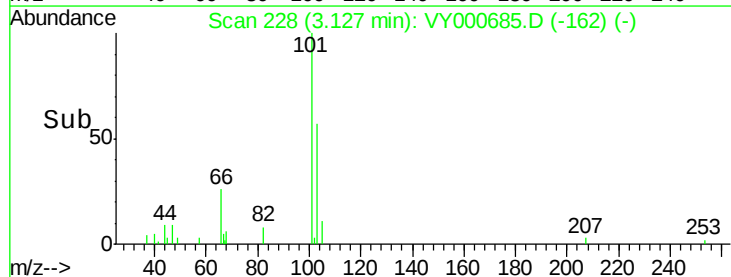
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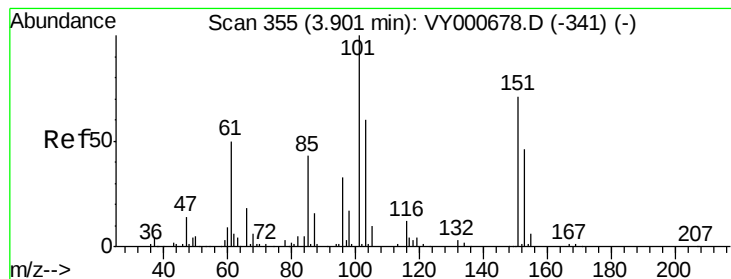
500

0

3.05 3.10 3.15 3.20

Time-->





#10

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

Concen: 0.972 ug/L

RT: 3.88 min Scan# 352

Delta R.T. -0.01 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Instrument :

MSVOA_Y

ClientSampled :

MDL6

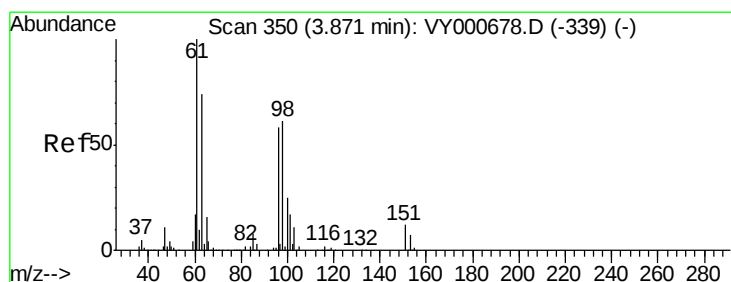
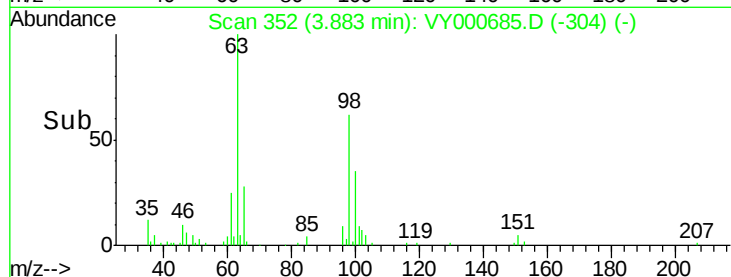
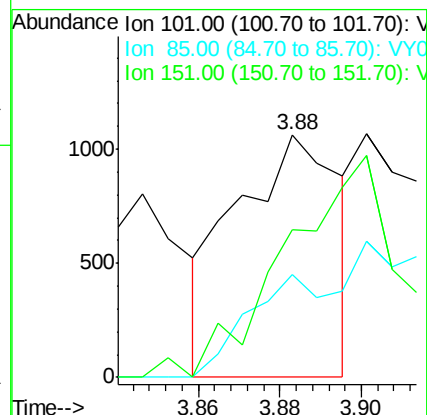
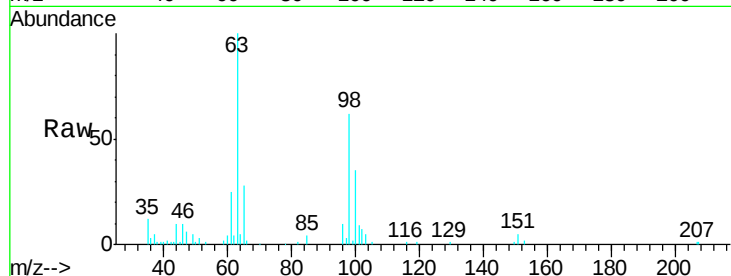
Tgt Ion: 101 Resp: 1877

Ion Ratio Lower Upper

101 100

85 29.4 35.3 52.9#

151 0.0 57.7 86.5#



#12

1,1-Dichloroethene

Concen: 2.814 ug/L

RT: 3.86 min Scan# 349

Delta R.T. -0.01 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

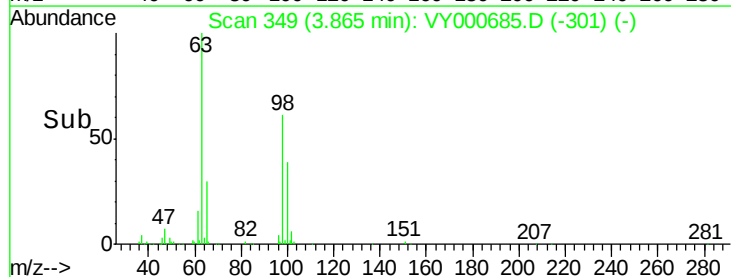
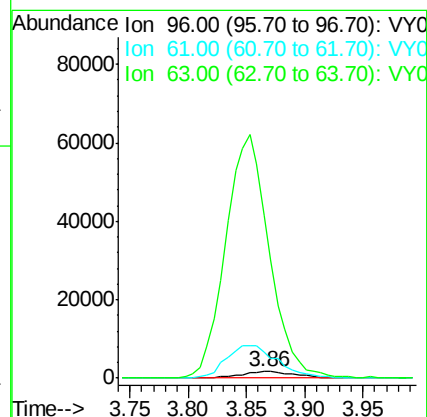
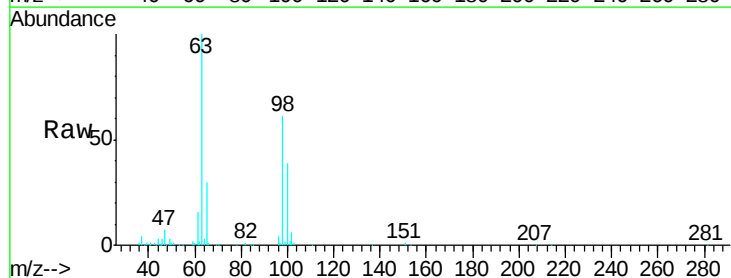
Tgt Ion: 96 Resp: 5434

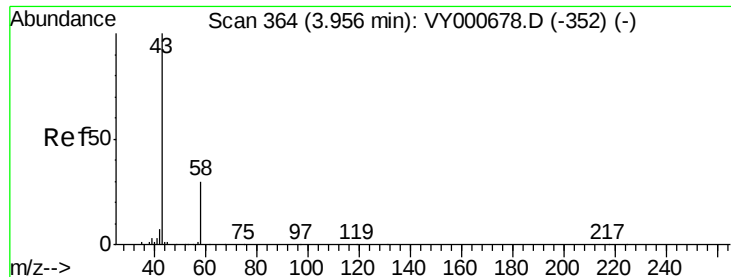
Ion Ratio Lower Upper

96 100

61 412.4 117.5 218.3#

63 2528.6 70.1 130.3#





#13

Acetone

Concen: 4.607 ug/L

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Instrument :

MSVOA_Y

ClientSampled :

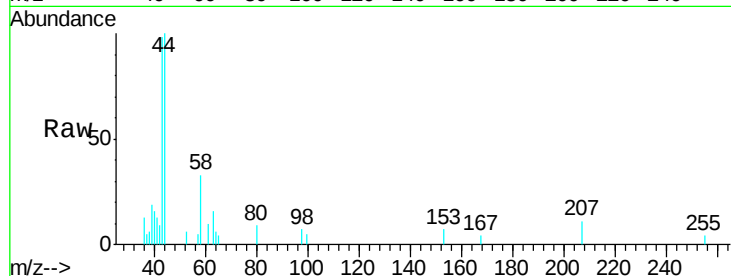
MDL6

Tgt Ion: 43 Resp: 3162

Ion Ratio Lower Upper

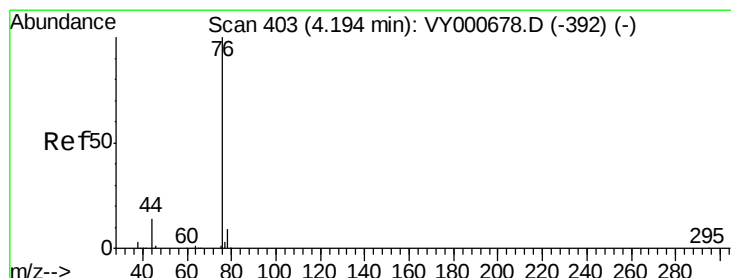
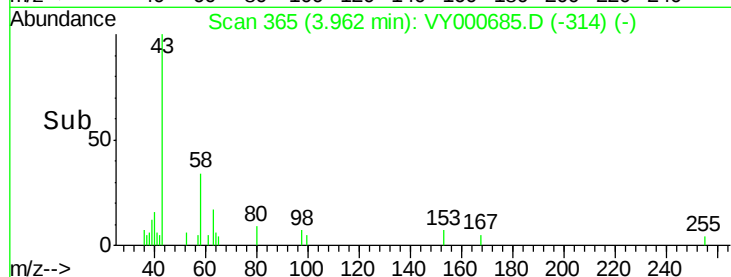
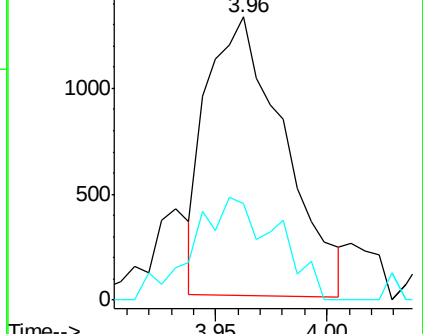
43 100

58 28.9 0.0 62.2



Abundance Ion 43.00 (42.70 to 43.70): VY000678.D (-352) (-)

Ion 58.00 (57.70 to 58.70): VY000678.D (-352) (-)



#14

Carbon disulfide

Concen: 2.095 ug/L

RT: 4.19 min Scan# 402

Delta R.T. 0.01 min

Lab File: VY000685.D

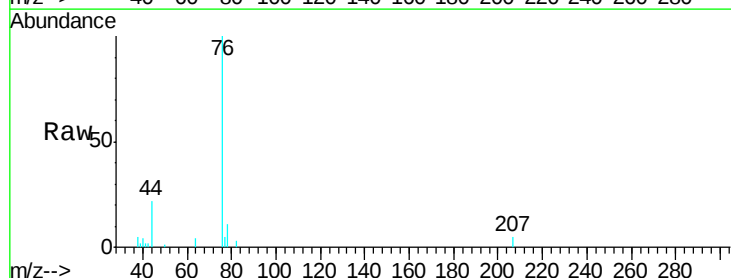
Acq: 14 Nov 2019 20:49

Tgt Ion: 76 Resp: 11162

Ion Ratio Lower Upper

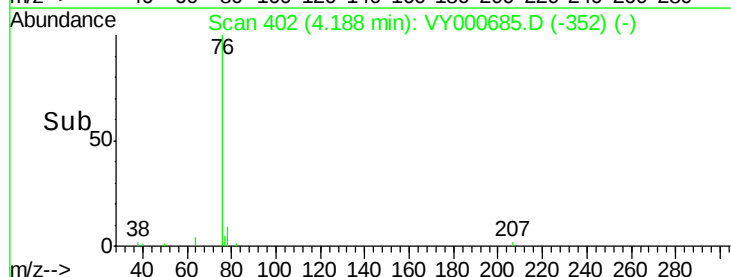
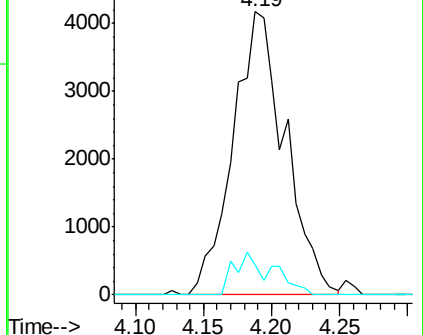
76 100

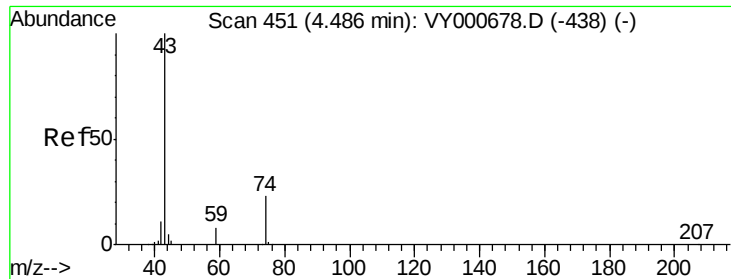
78 10.6 7.0 10.6#



Abundance Ion 76.00 (75.70 to 76.70): VY000678.D (-392) (-)

Ion 78.00 (77.70 to 78.70): VY000678.D (-392) (-)

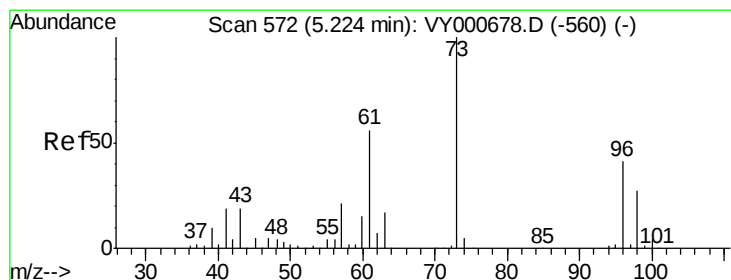
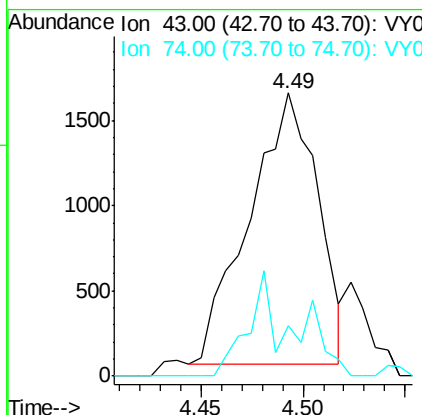
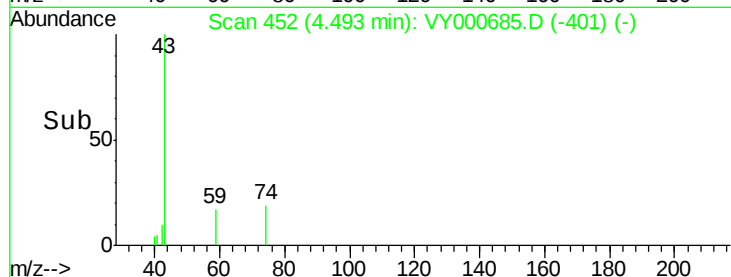
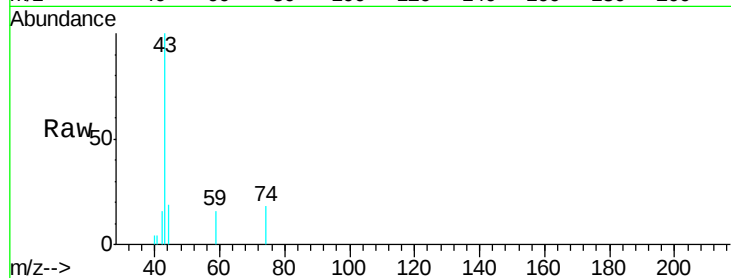




#15
Methyl Acetate
Concen: 2.169 ug/L
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY000685.D
Acq: 14 Nov 2019 20:49

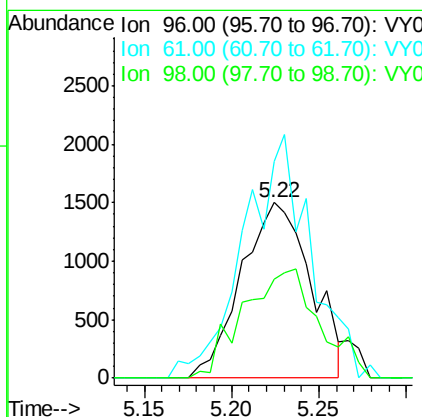
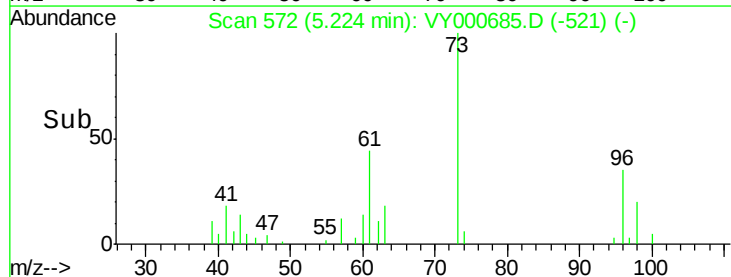
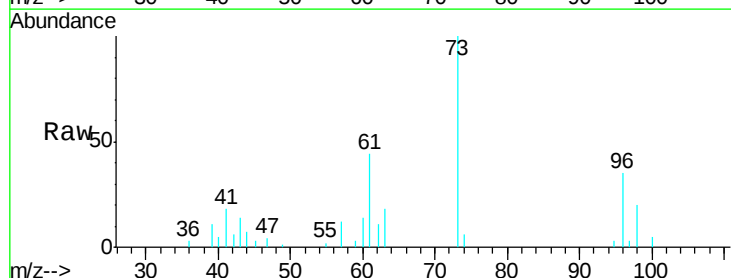
Instrument :
MSVOA_Y
ClientSampled :
MDL6

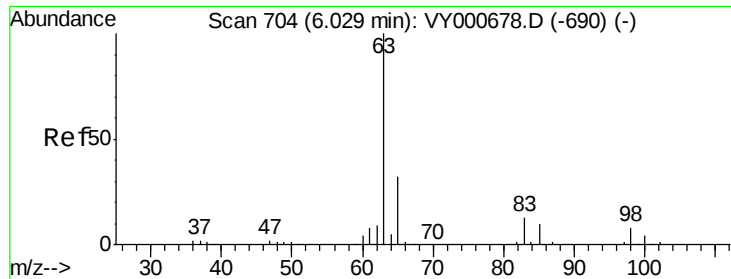
Tgt Ion: 43 Resp: 3742
Ion Ratio Lower Upper
43 100
74 11.6 19.1 28.7#



#17
trans-1,2-Dichloroethene
Concen: 2.062 ug/L
RT: 5.22 min Scan# 572
Delta R.T. 0.01 min
Lab File: VY000685.D
Acq: 14 Nov 2019 20:49

Tgt Ion: 96 Resp: 4159
Ion Ratio Lower Upper
96 100
61 124.0 90.8 168.6
98 56.8 41.0 76.2

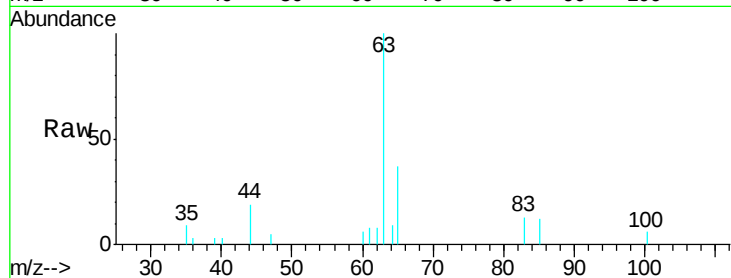




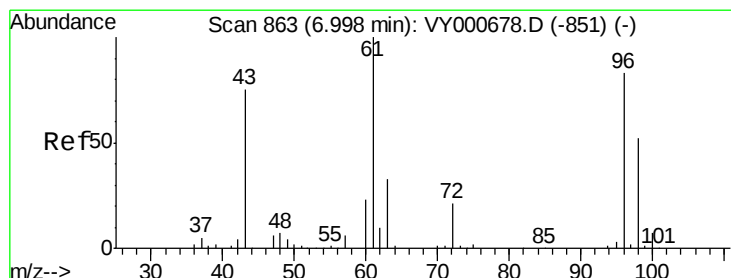
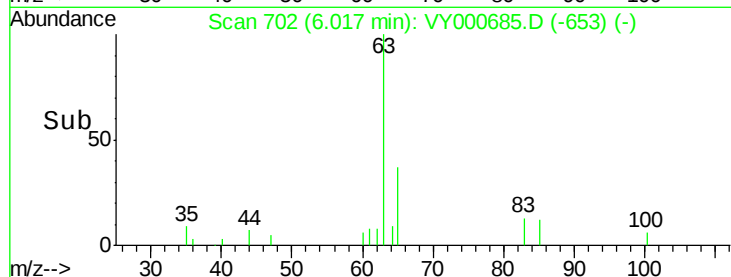
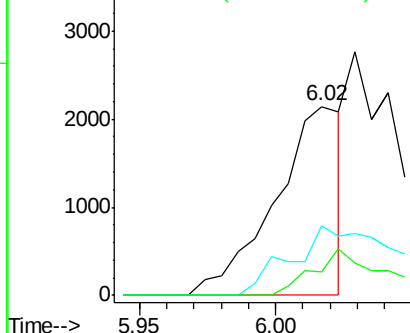
#19
 1,1-Dichloroethane
 Concen: 1.013 ug/L
 RT: 6.02 min Scan# 702
 Delta R.T. -0.00 min
 Lab File: VY000685.D
 Acq: 14 Nov 2019 20:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL6

Tgt Ion: 63 Resp: 3671
 Ion Ratio Lower Upper
 63 100
 65 36.7 22.7 42.1
 83 12.6 10.5 19.5

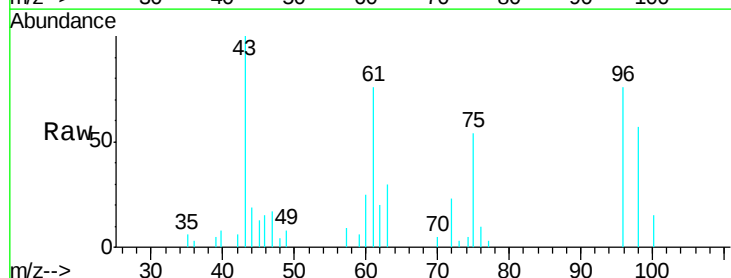


Abundance Ion 63.00 (62.70 to 63.70): VY0
 Ion 65.00 (64.70 to 65.70): VY0
 Ion 83.00 (82.70 to 83.70): VY0

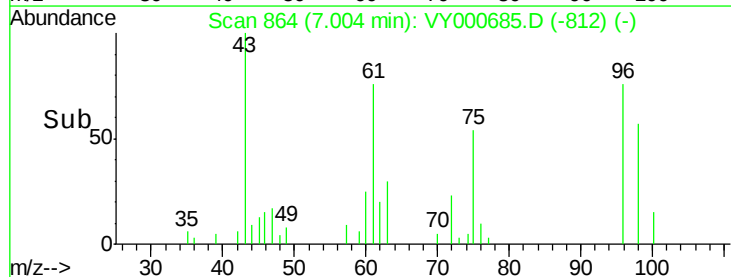
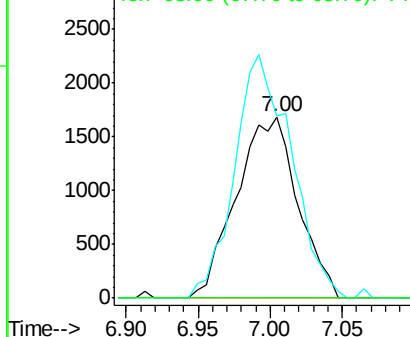


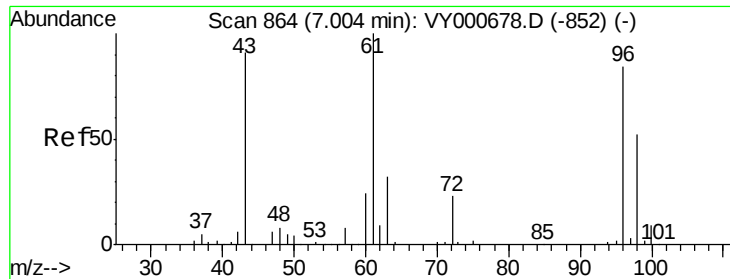
#20
 cis-1,2-Dichloroethene
 Concen: 2.213 ug/L
 RT: 7.00 min Scan# 864
 Delta R.T. 0.02 min
 Lab File: VY000685.D
 Acq: 14 Nov 2019 20:49

Tgt Ion: 96 Resp: 5001
 Ion Ratio Lower Upper
 96 100
 61 100.4 87.2 162.0
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 68.00 (67.70 to 68.70): VY0

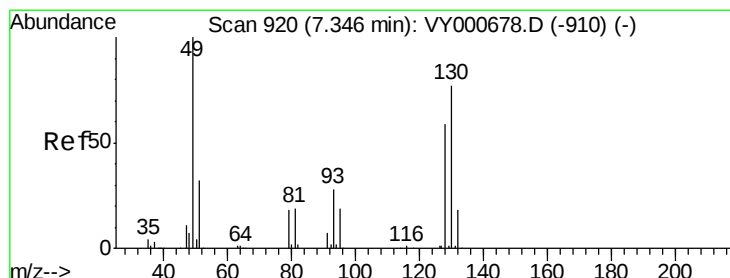
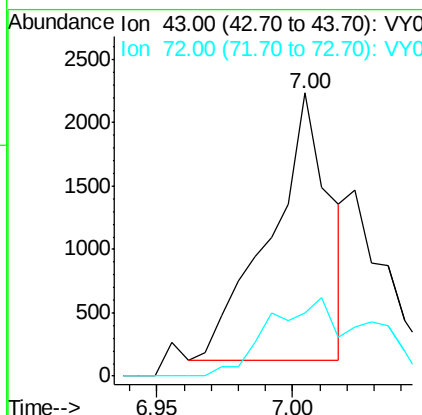
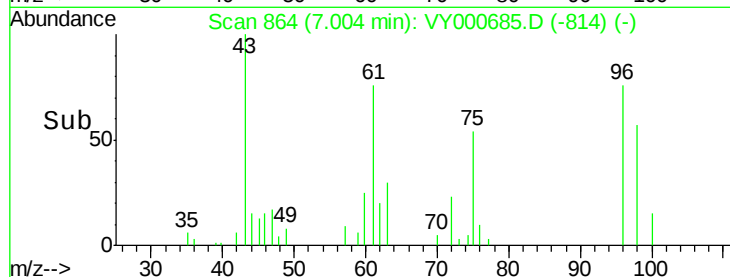
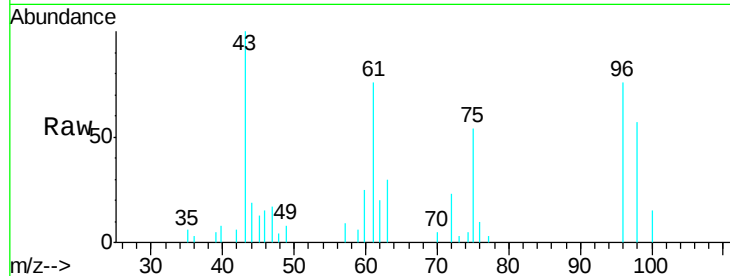




#22
 2-Butanone
 Concen: 2.963 ug/L
 RT: 7.00 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VY000685.D
 Acq: 14 Nov 2019 20:49

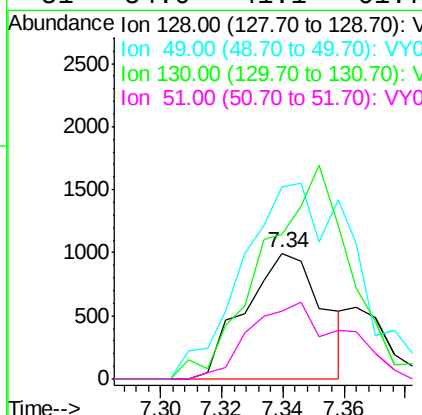
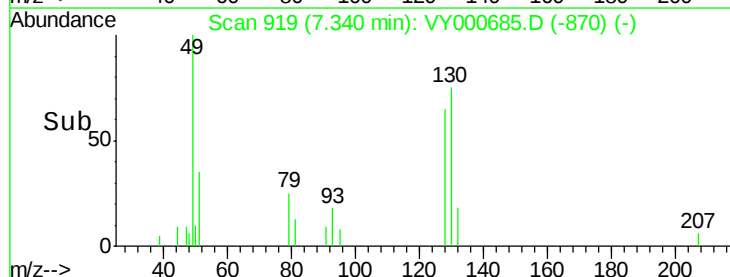
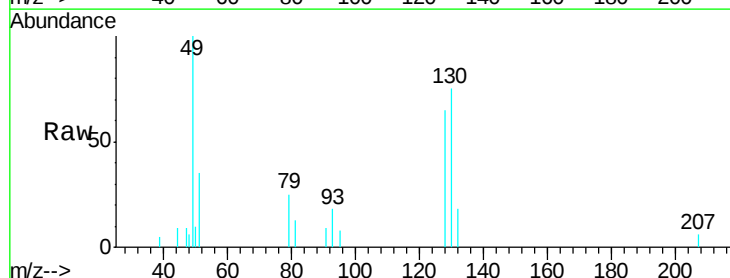
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL6

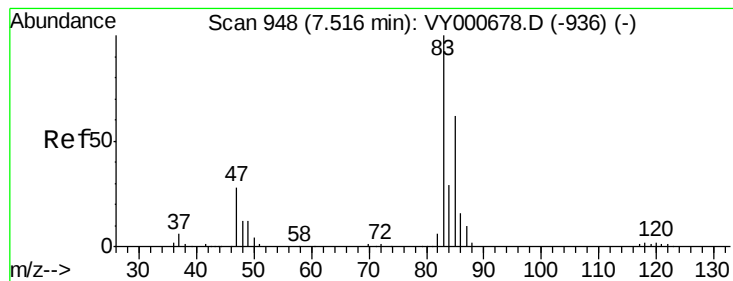
Tgt Ion: 43 Resp: 3200
 Ion Ratio Lower Upper
 43 100
 72 16.3 13.7 41.1



#23
 Bromochloromethane
 Concen: 1.701 ug/L
 RT: 7.34 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VY000685.D
 Acq: 14 Nov 2019 20:49

Tgt Ion: 128 Resp: 1772
 Ion Ratio Lower Upper
 128 100
 49 152.8 116.6 216.5
 130 114.4 85.4 158.6
 51 54.0 41.1 61.7





#25

Chloroform

Concen: 2.995 ug/L

RT: 7.51 min Scan# 947

Delta R.T. -0.00 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Instrument :

MSVOA_Y

ClientSampleId :

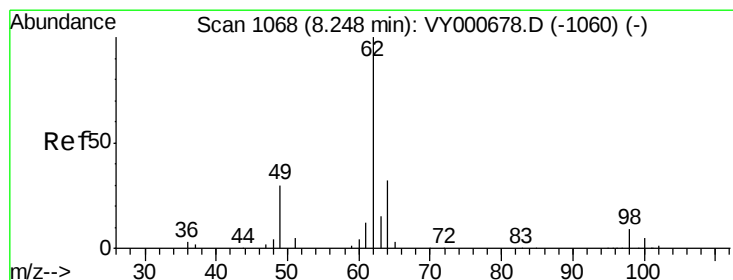
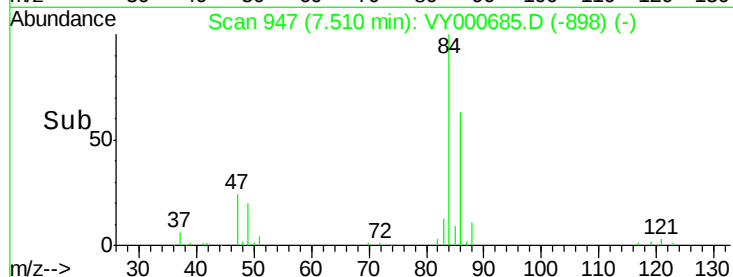
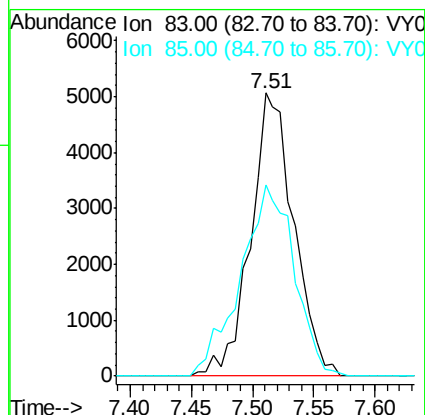
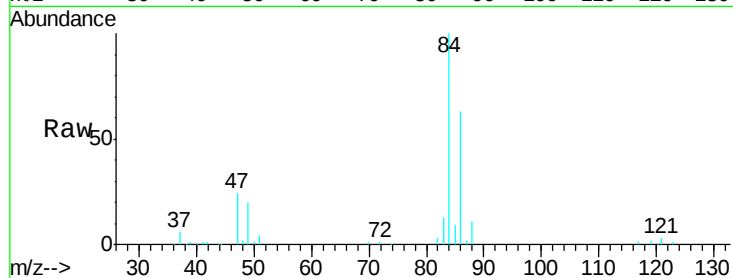
MDL6

Tgt Ion: 83 Resp: 12429

Ion Ratio Lower Upper

83 100

85 67.7 43.1 80.1



#27

1,2-Dichloroethane

Concen: 2.346 ug/L

RT: 8.25 min Scan# 1069

Delta R.T. 0.01 min

Lab File: VY000685.D

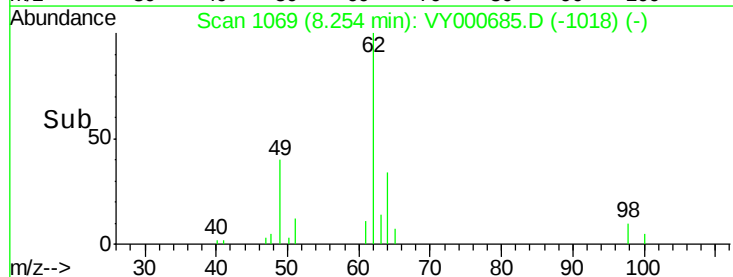
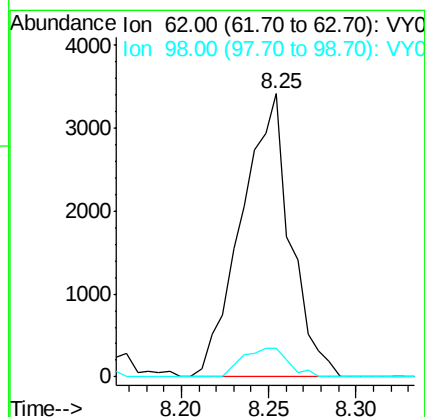
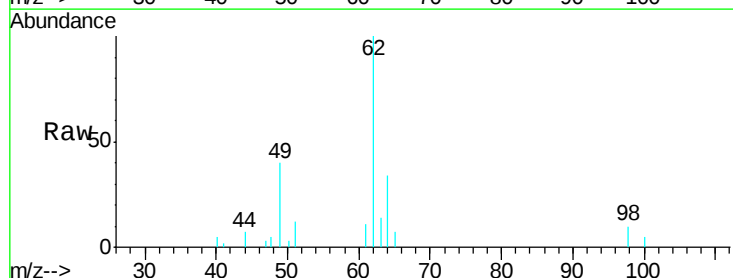
Acq: 14 Nov 2019 20:49

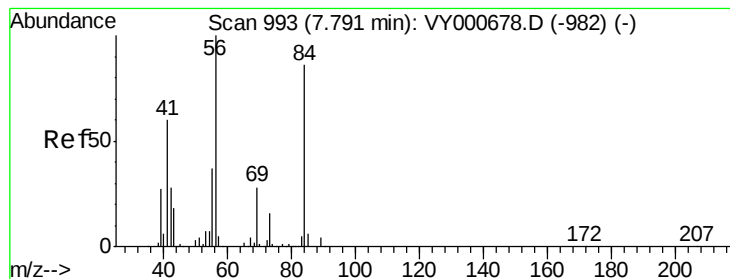
Tgt Ion: 62 Resp: 6648

Ion Ratio Lower Upper

62 100

98 10.1 7.1 10.7





#29

Cyclohexane

Concen: 1.593 ug/L

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Instrument :

MSVOA_Y

ClientSampleId :

MDL6

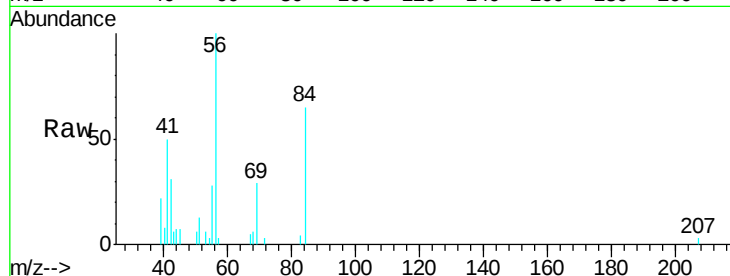
Tgt Ion: 56 Resp: 5050

Ion Ratio Lower Upper

56 100

69 18.3 24.4 36.6#

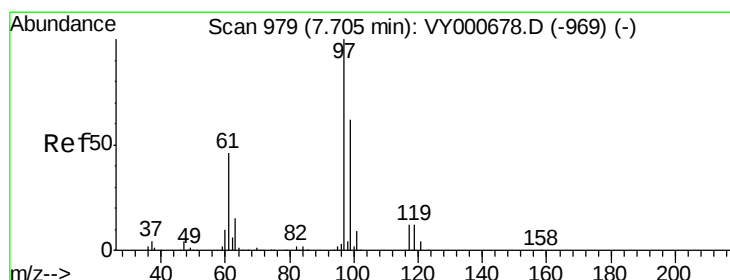
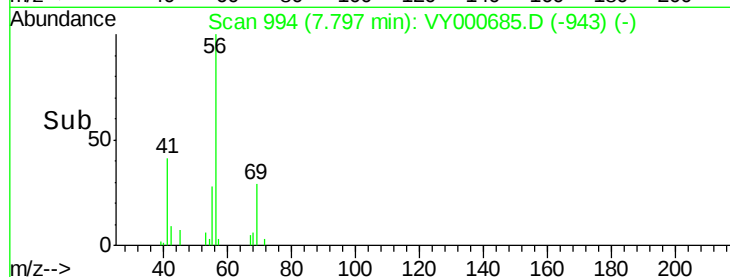
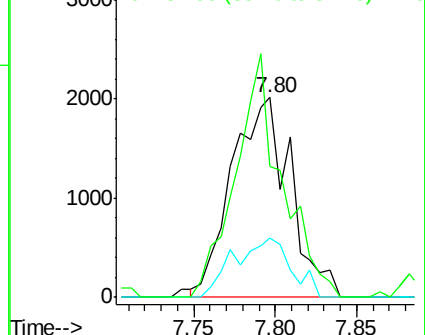
84 96.3 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#30

1,1,1-Trichloroethane

Concen: 2.039 ug/L

RT: 7.71 min Scan# 980

Delta R.T. 0.01 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

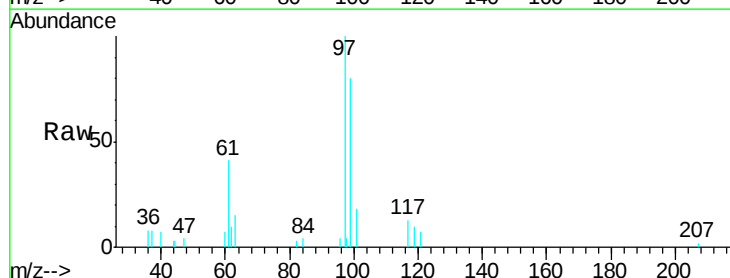
Tgt Ion: 97 Resp: 6049

Ion Ratio Lower Upper

97 100

99 69.0 52.2 78.2

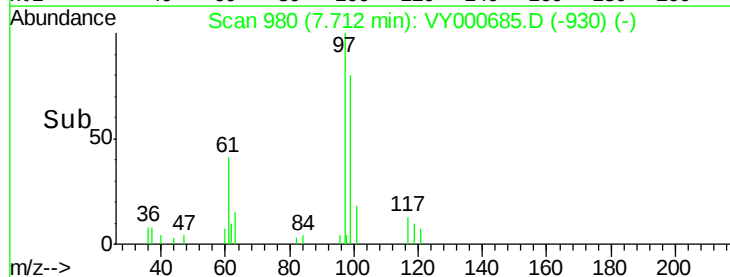
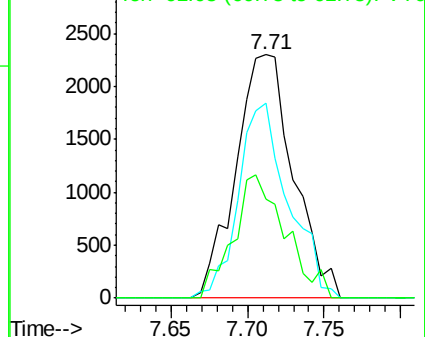
61 44.0 35.0 52.4

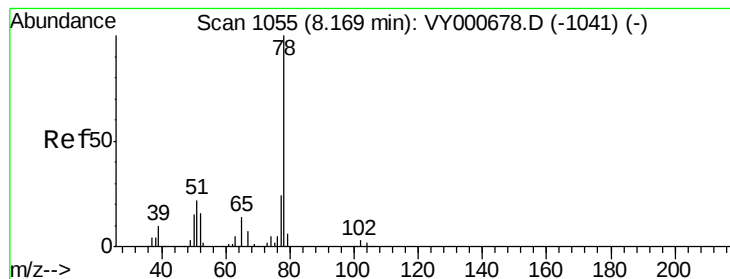


Abundance Ion 97.00 (96.70 to 97.70): VY0

Ion 99.00 (98.70 to 99.70): VY0

Ion 61.05 (60.75 to 61.75): VY0





#33

Benzene

Concen: 2.250 ug/L

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

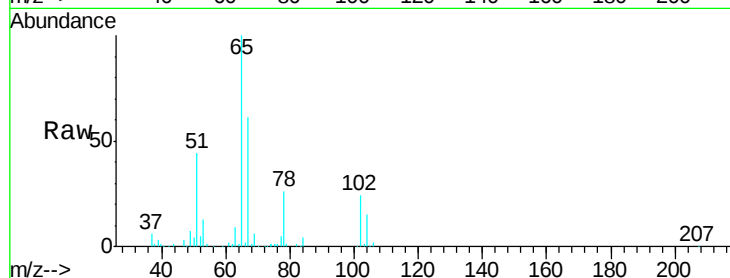
Instrument :

MSVOA_Y

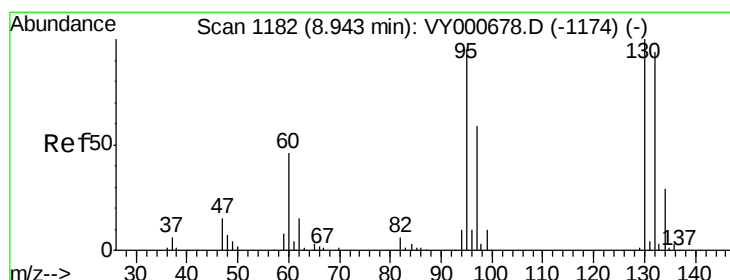
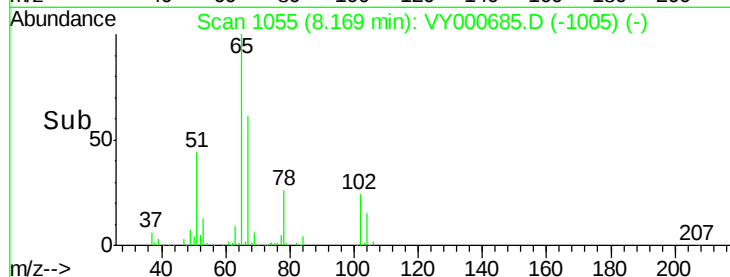
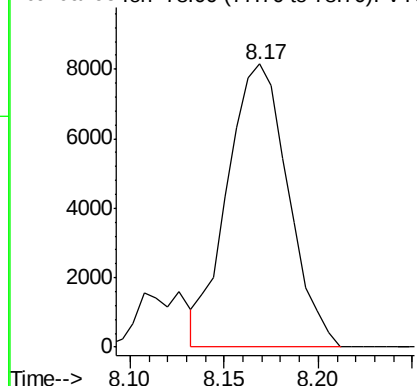
ClientSampleId :

MDL6

Tgt Ion: 78 Resp: 18202



Abundance Ion 78.00 (77.70 to 78.70): VY0



#34

Trichloroethene

Concen: 2.173 ug/L

RT: 8.95 min Scan# 1183

Delta R.T. 0.01 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Tgt Ion: 95 Resp: 4415

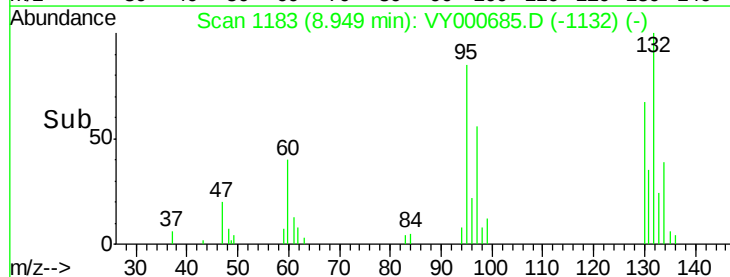
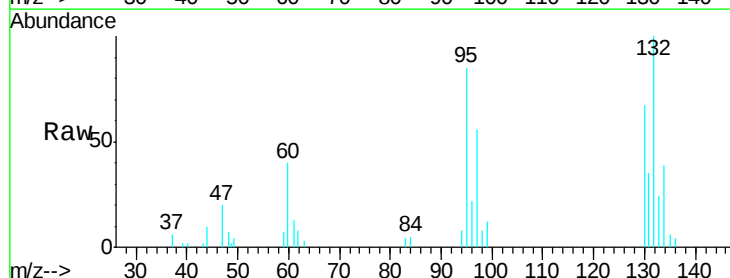
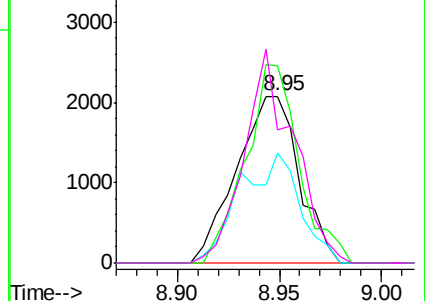
Ion	Ratio	Lower	Upper
95	100		
97	65.8	43.8	81.3
132	118.2	67.8	126.0
130	79.8	71.9	133.5

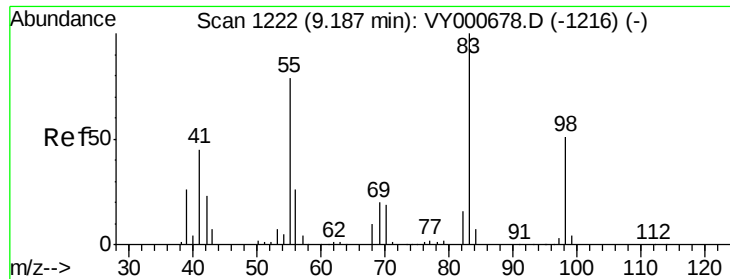
Abundance Ion 95.00 (94.70 to 95.70): VY0

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

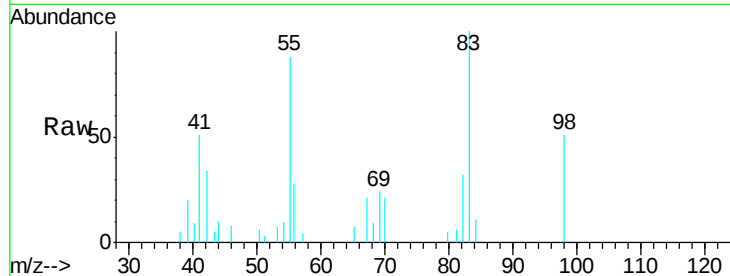




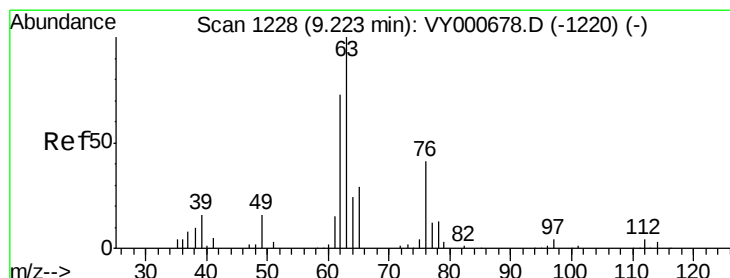
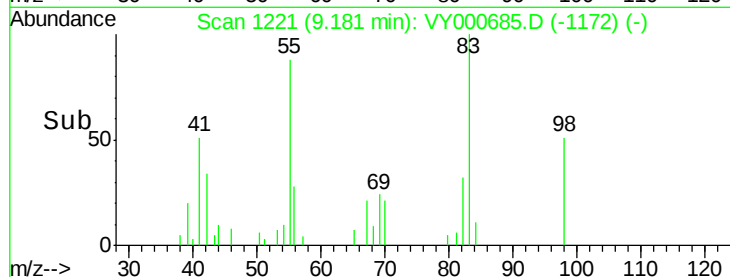
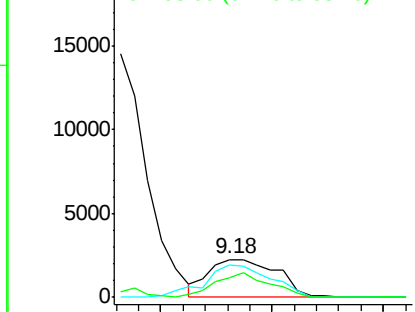
#35
Methylcyclohexane
Concen: 1.446 ug/L
RT: 9.18 min Scan# 1221
Delta R.T. -0.00 min
Lab File: VY000685.D
Acq: 14 Nov 2019 20:49

Instrument :
MSVOA_Y
ClientSampled :
MDL6

Tgt Ion: 83 Resp: 4848
Ion Ratio Lower Upper
83 100
55 70.3 60.4 90.6
98 51.6 40.3 60.5

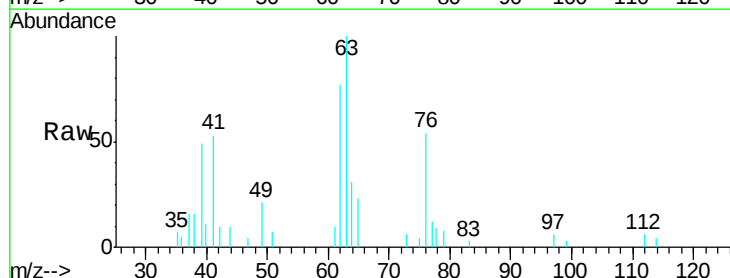


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

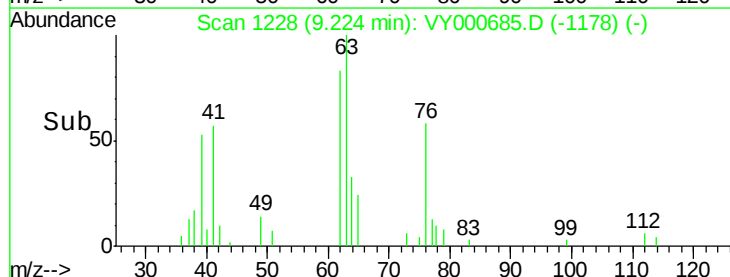
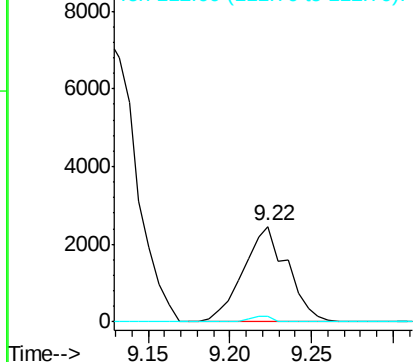


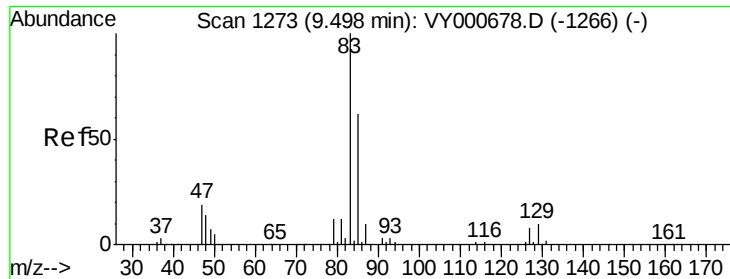
#37
1,2-Dichloropropane
Concen: 2.315 ug/L
RT: 9.22 min Scan# 1228
Delta R.T. 0.01 min
Lab File: VY000685.D
Acq: 14 Nov 2019 20:49

Tgt Ion: 63 Resp: 4645
Ion Ratio Lower Upper
63 100
112 2.8 3.8 5.6#



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

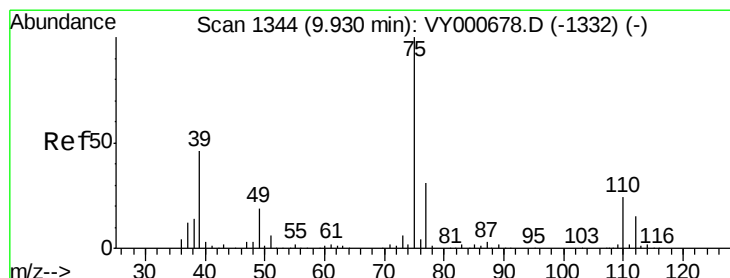
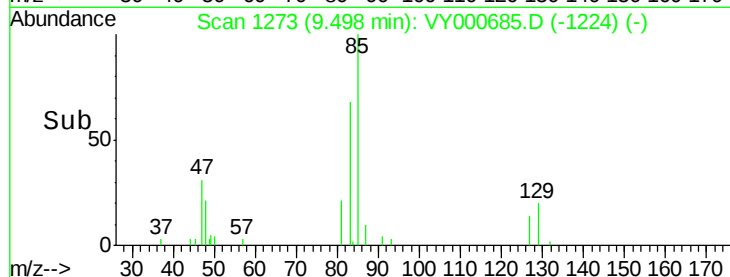
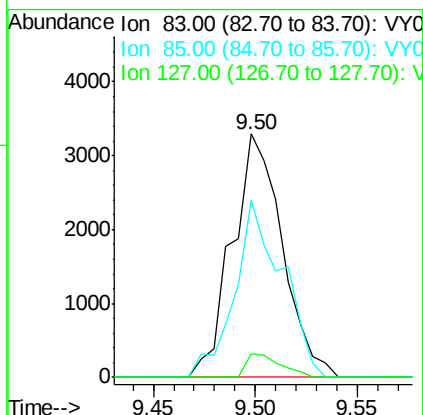
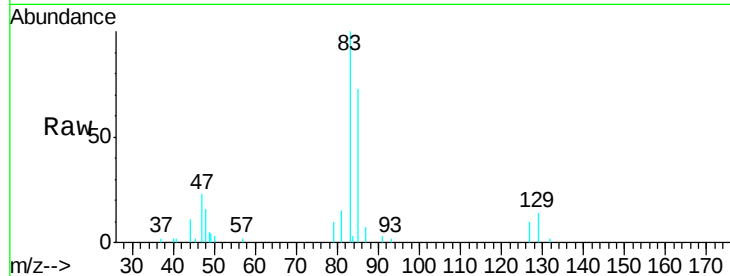




#38
 Bromodichloromethane
 Concen: 2.087 ug/L
 RT: 9.50 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VY000685.D
 Acq: 14 Nov 2019 20:49

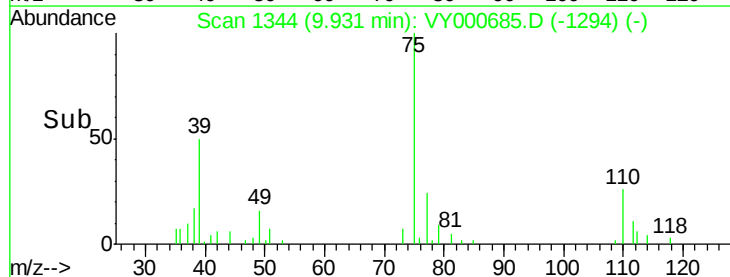
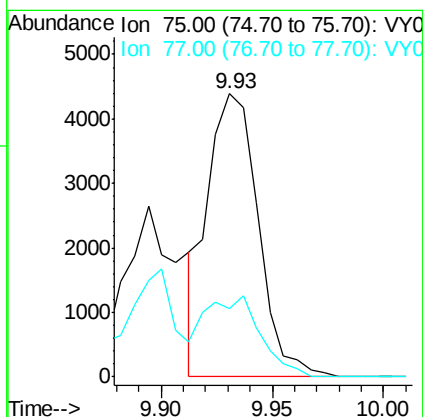
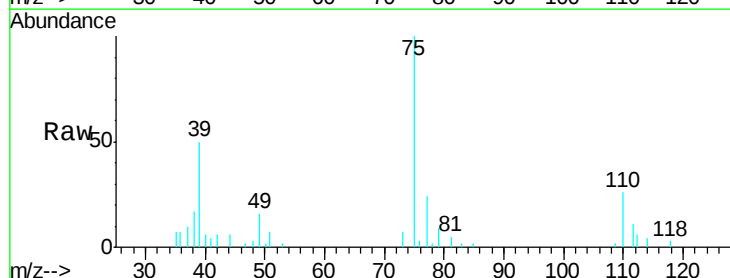
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL6

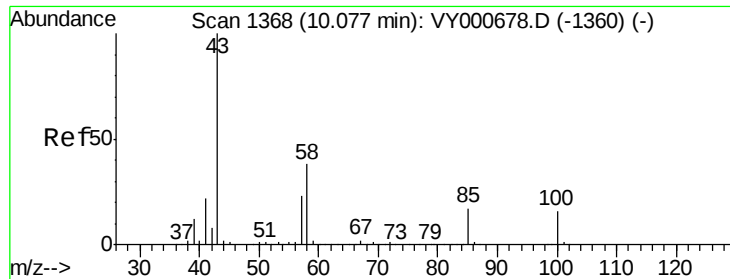
Tgt Ion: 83 Resp: 5626
 Ion Ratio Lower Upper
 83 100
 85 72.9 42.2 78.4
 127 9.9 6.4 9.6#



#39
 cis-1,3-Dichloropropene
 Concen: 2.028 ug/L
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.01 min
 Lab File: VY000685.D
 Acq: 14 Nov 2019 20:49

Tgt Ion: 75 Resp: 6915
 Ion Ratio Lower Upper
 75 100
 77 24.3 21.7 40.3

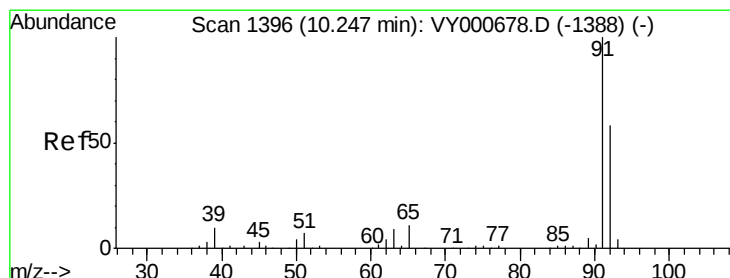
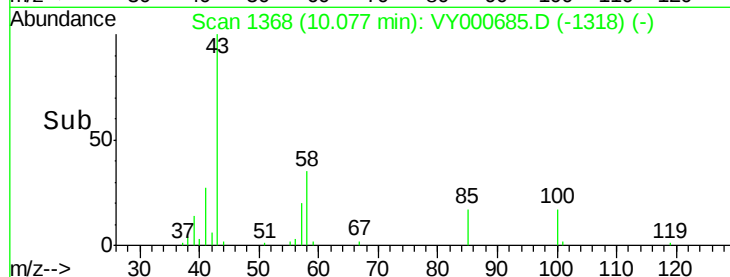
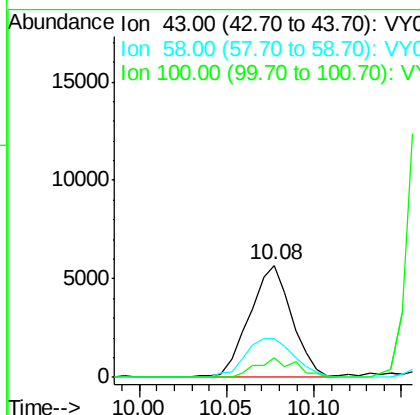
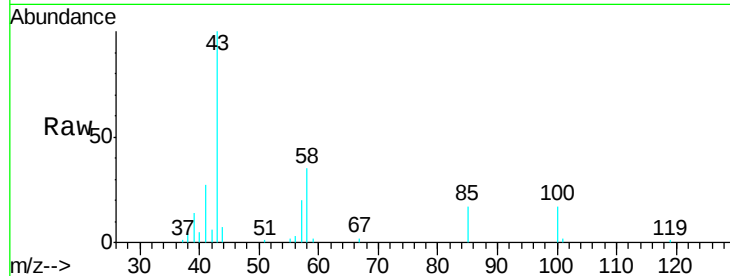




#40
4-Methyl-2-pentanone
Concen: 4.181 ug/L
RT: 10.08 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VY000685.D
Acq: 14 Nov 2019 20:49

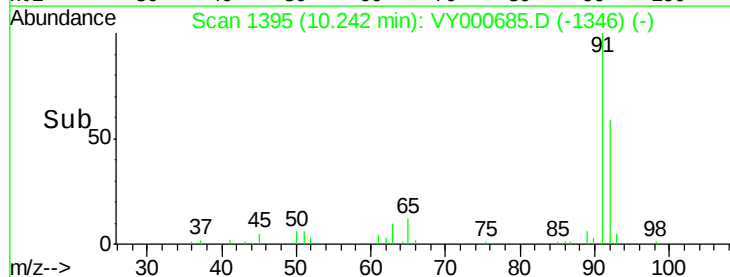
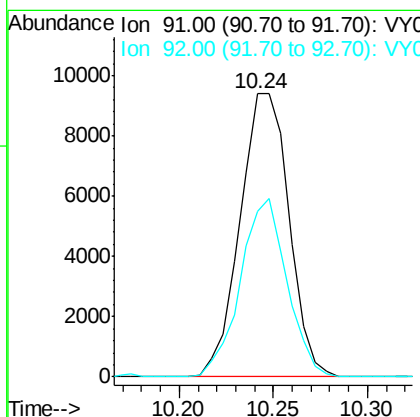
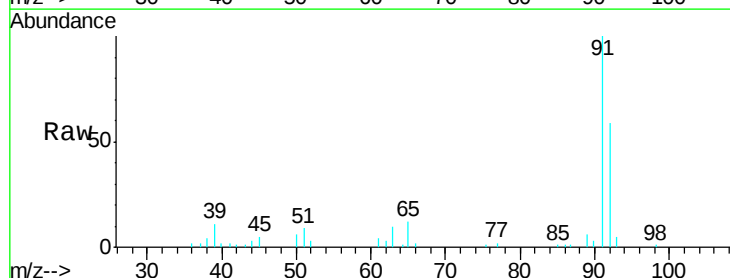
Instrument :
MSVOA_Y
ClientSampled :
MDL6

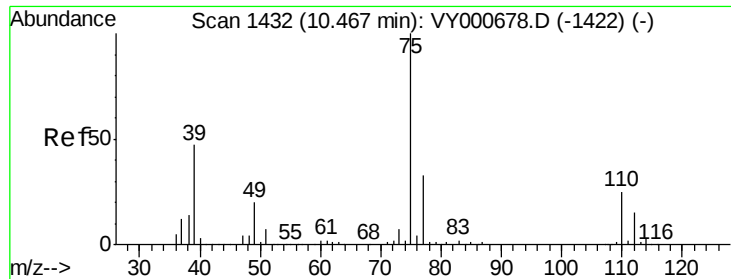
Tgt Ion: 43 Resp: 9624
Ion Ratio Lower Upper
43 100
58 39.9 30.2 45.2
100 16.0 12.2 18.2



#42
Toluene
Concen: 1.978 ug/L
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY000685.D
Acq: 14 Nov 2019 20:49

Tgt Ion: 91 Resp: 16936
Ion Ratio Lower Upper
91 100
92 58.6 42.2 78.4





#44

trans-1,3-Dichloropropene

Concen: 2.199 ug/L

RT: 10.46 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Instrument :

MSVOA_Y

ClientSampled :

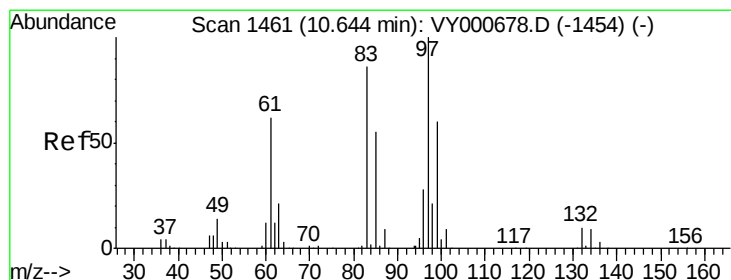
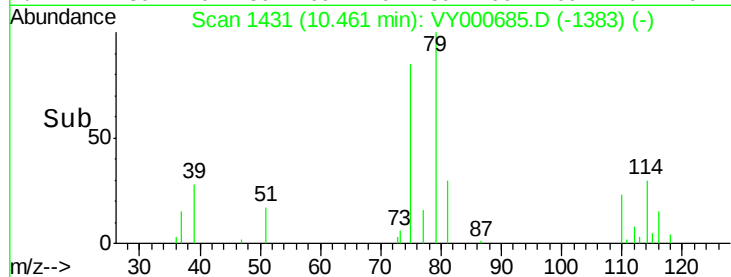
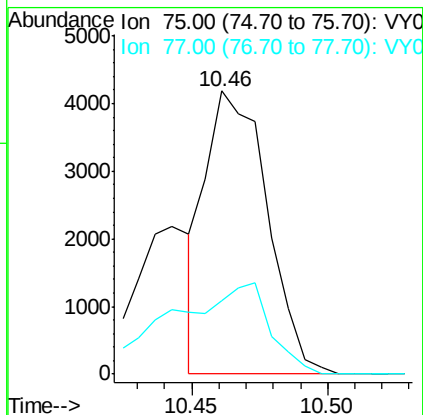
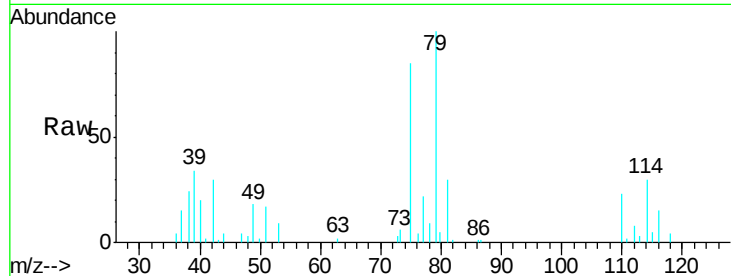
MDL6

Tgt Ion: 75 Resp: 6565

Ion Ratio Lower Upper

75 100

77 25.7 22.0 41.0



#45

1,1,2-Trichloroethane

Concen: 1.975 ug/L

RT: 10.64 min Scan# 1461

Delta R.T. -0.00 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Tgt Ion: 97 Resp: 3761

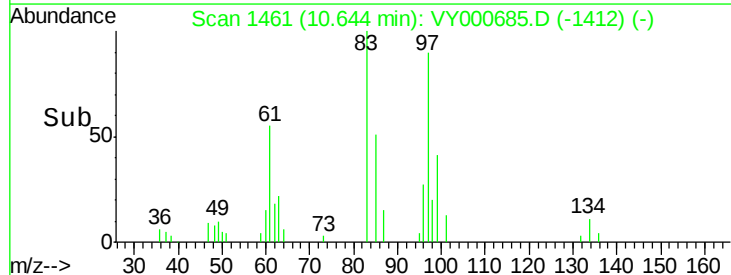
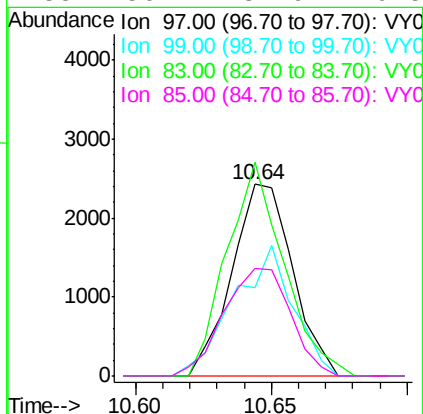
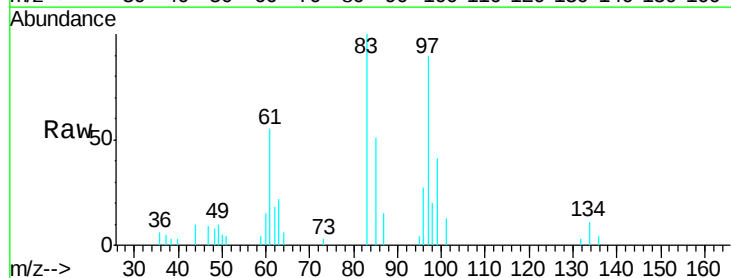
Ion Ratio Lower Upper

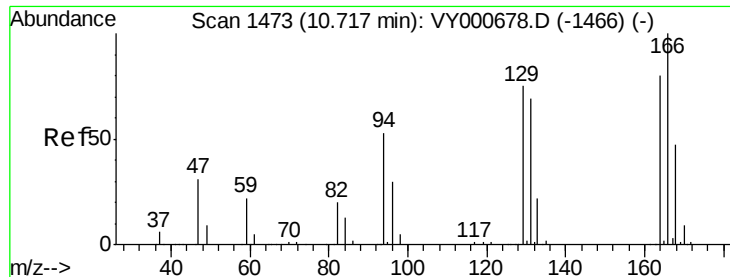
97 100

99 46.1 40.6 75.4

83 111.4 60.0 111.4#

85 56.4 37.9 70.5





#46

Tetrachloroethene

Concen: 1.381 ug/L

RT: 10.71 min Scan# 1472

Delta R.T. -0.01 min

Lab File: VY000685.D

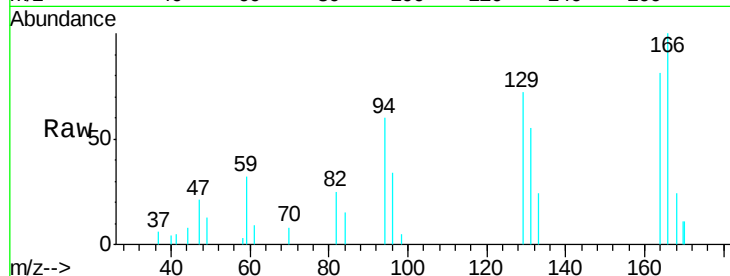
Acq: 14 Nov 2019 20:49

Instrument :

MSVOA_Y

ClientSampleId :

MDL6



Tgt Ion: 164 Resp: 2171

Ion Ratio Lower Upper

164 100

129 89.4 65.5 121.7

131 68.3 60.1 111.7

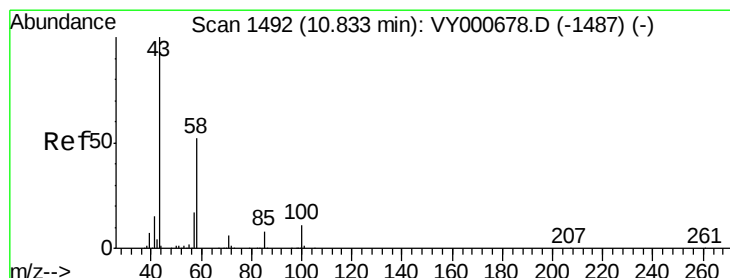
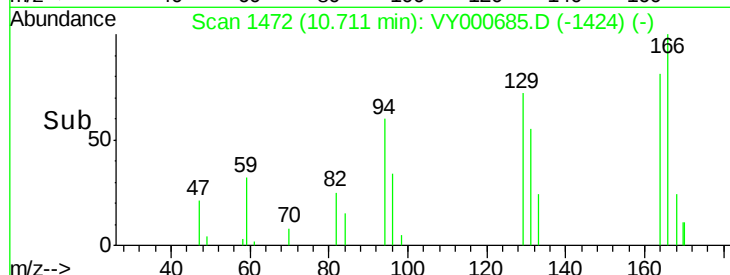
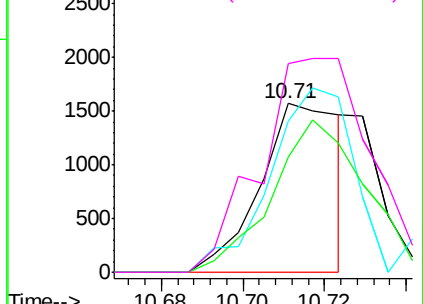
166 123.8 88.1 163.7

Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 5.541 ug/L

RT: 10.83 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Tgt Ion: 43 Resp: 9210

Ion Ratio Lower Upper

43 100

58 52.2 42.3 63.5

57 13.8 13.8 20.6

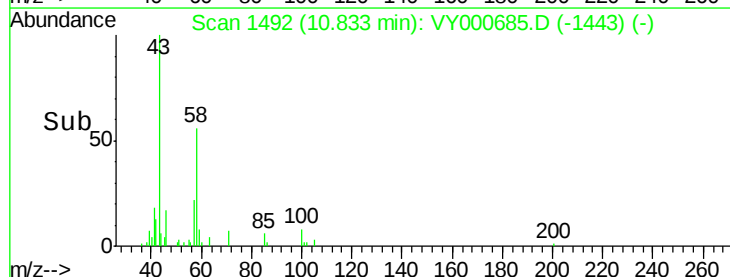
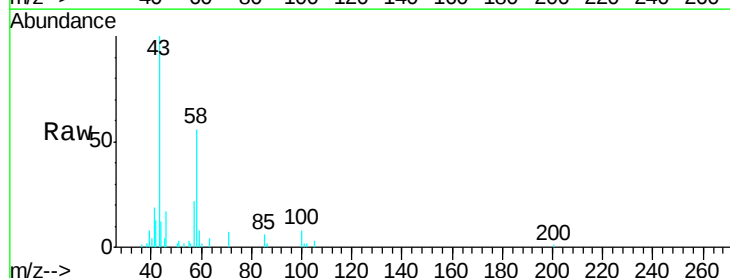
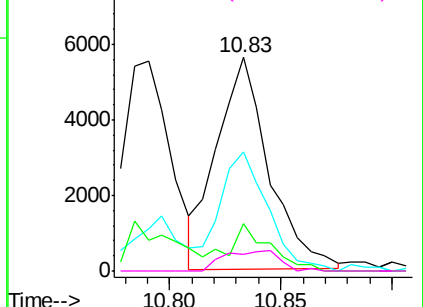
100 9.8 9.2 13.8

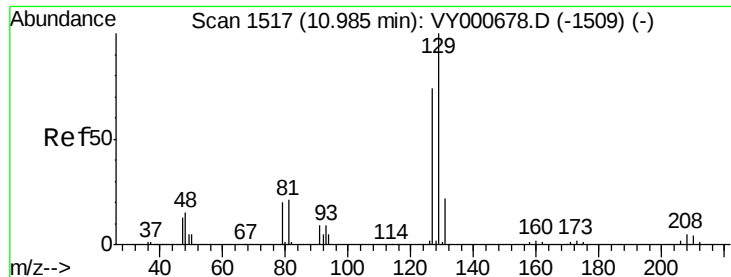
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#49

Dibromochloromethane

Concen: 2.061 ug/L

RT: 10.99 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Instrument :

MSVOA_Y

ClientSampleId :

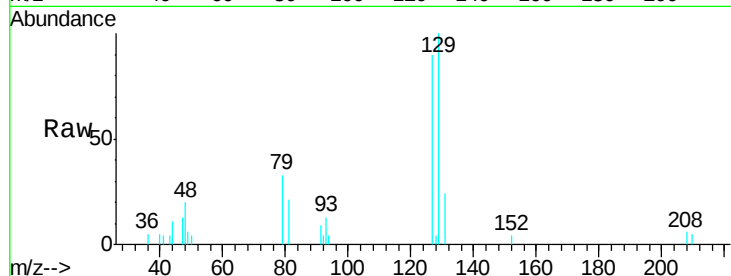
MDL6

Tgt Ion:129 Resp: 4251

Ion Ratio Lower Upper

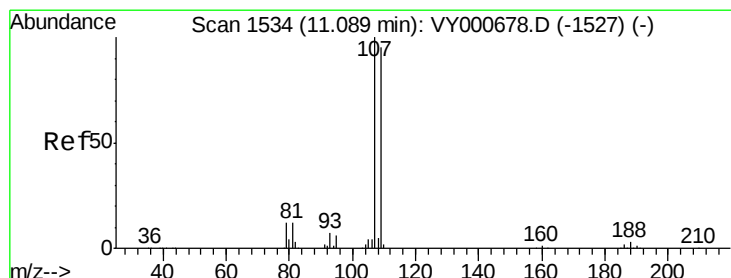
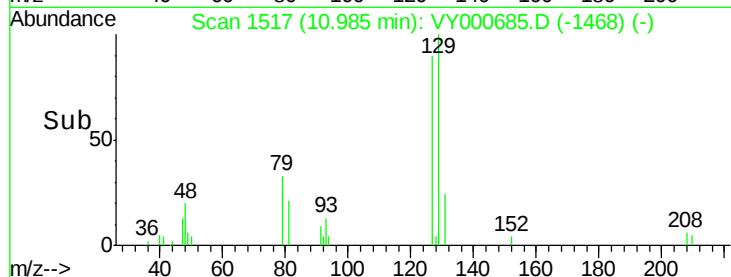
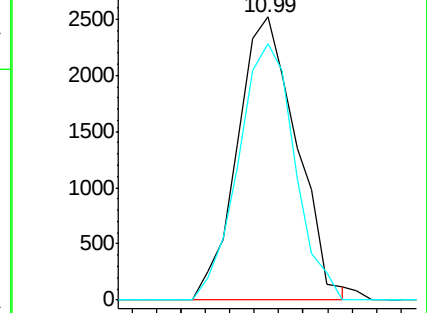
129 100

127 90.5 55.9 103.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 2.104 ug/L

RT: 11.10 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

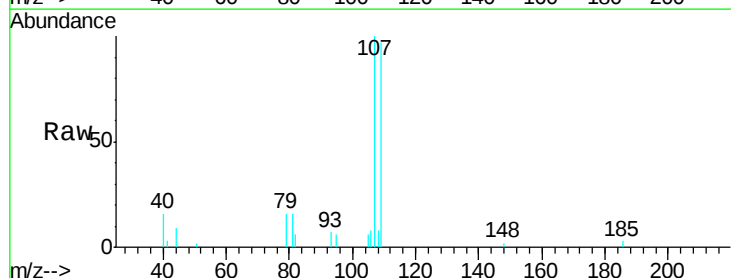
Tgt Ion:107 Resp: 4010

Ion Ratio Lower Upper

107 100

109 97.0 62.9 116.9

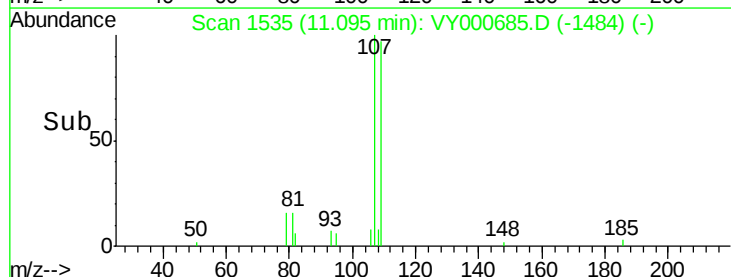
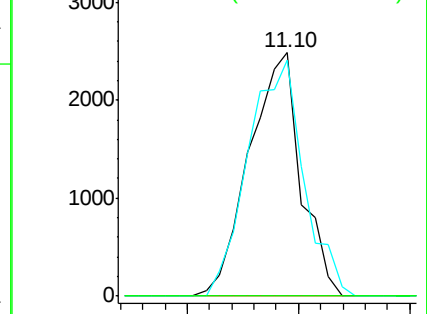
188 0.0 2.4 3.6#

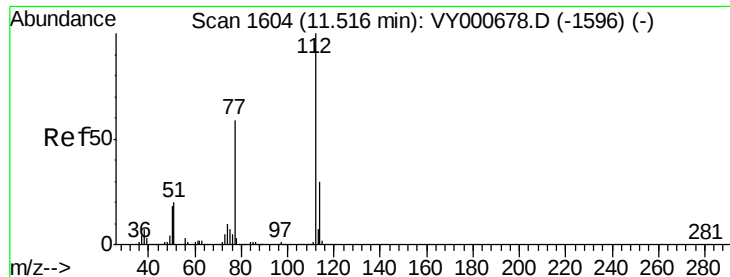


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 2.078 ug/L

RT: 11.52 min Scan# 1604

Delta R.T. 0.01 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Instrument :

MSVOA_Y

ClientSampleId :

MDL6

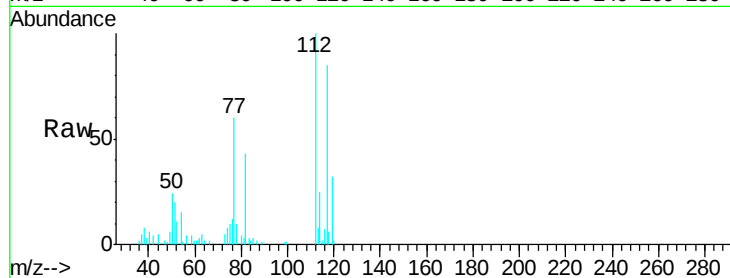
Tgt Ion: 112 Resp: 11463

Ion Ratio Lower Upper

112 100

114 24.7 23.3 43.3

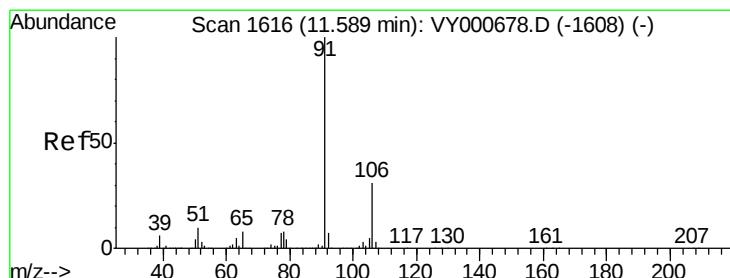
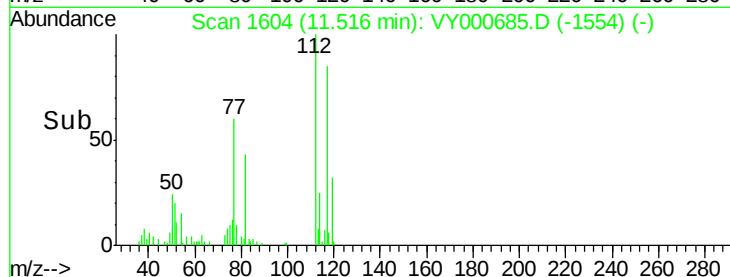
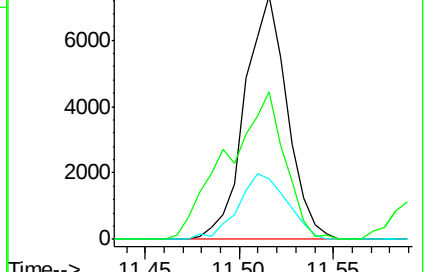
77 60.4 46.5 69.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 1.805 ug/L

RT: 11.60 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY000685.D

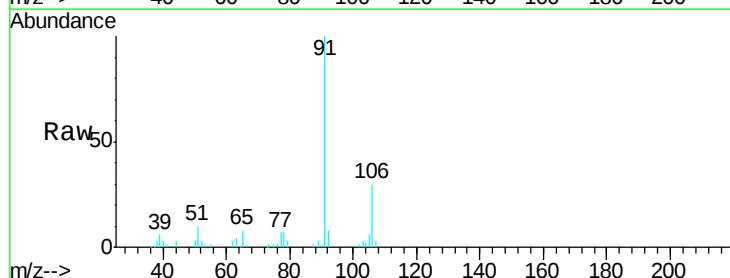
Acq: 14 Nov 2019 20:49

Tgt Ion: 91 Resp: 17636

Ion Ratio Lower Upper

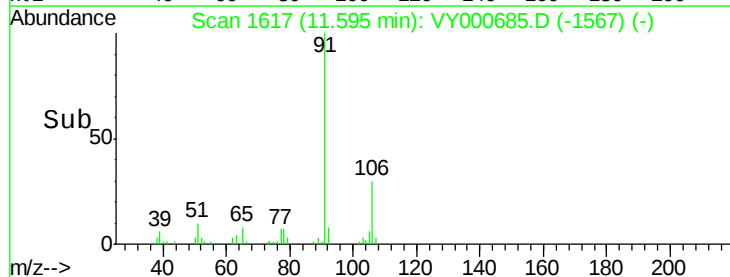
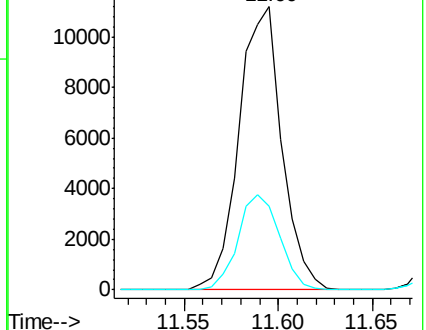
91 100

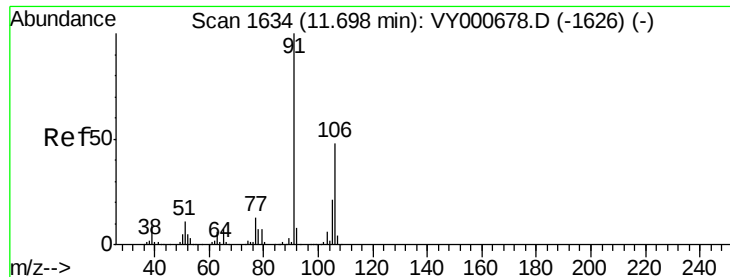
106 29.6 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 1.771 ug/L

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Instrument :

MSVOA_Y

ClientSampled :

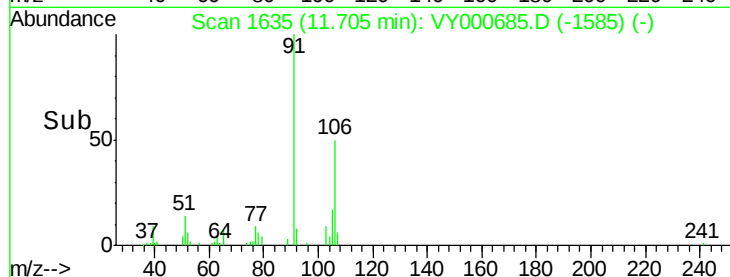
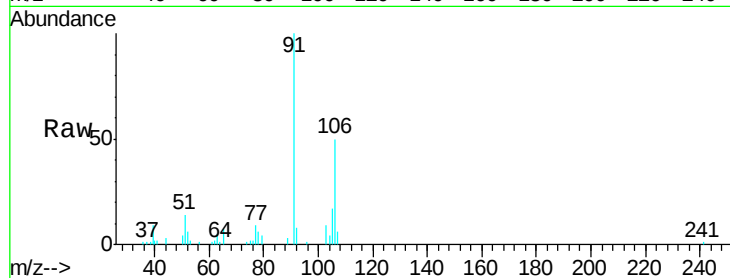
MDL6

Tgt Ion:106 Resp: 6655

Ion Ratio Lower Upper

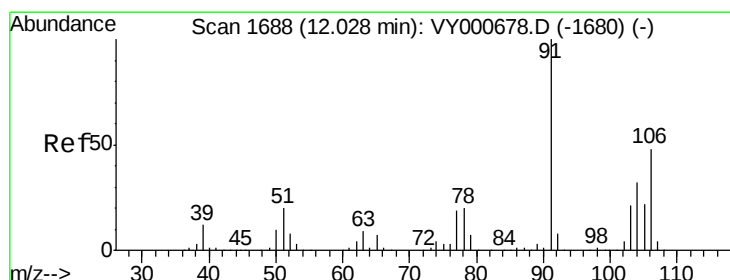
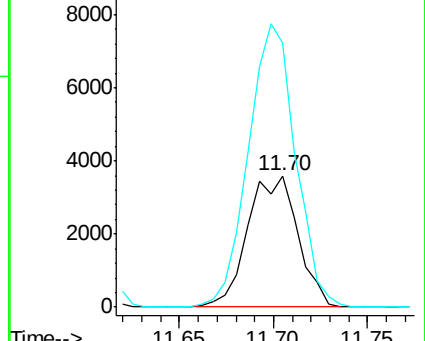
106 100

91 201.1 137.6 255.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#54

o-xylene

Concen: 1.781 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VY000685.D

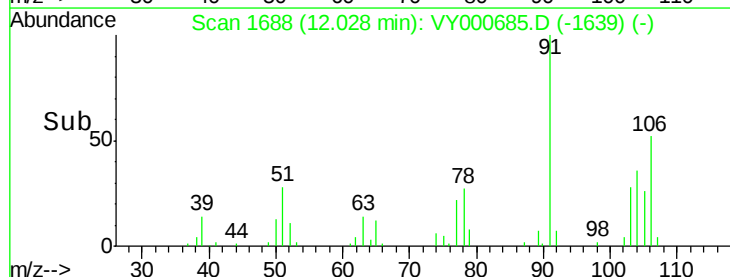
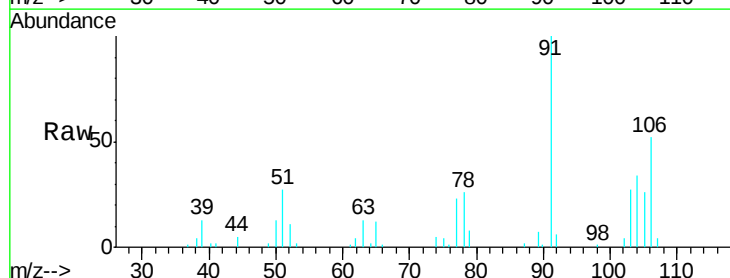
Acq: 14 Nov 2019 20:49

Tgt Ion:106 Resp: 6562

Ion Ratio Lower Upper

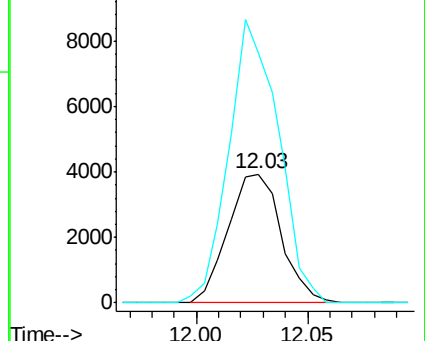
106 100

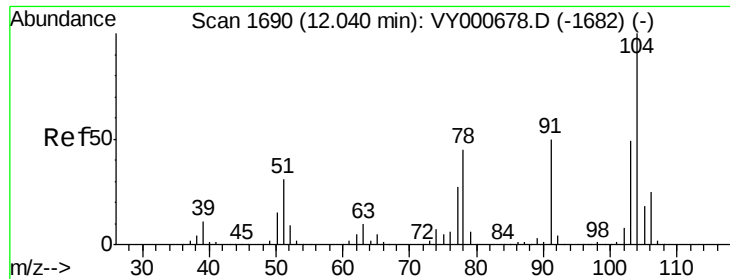
91 193.9 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#55

Styrene

Concen: 1.808 ug/L

RT: 12.04 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Instrument :

MSVOA_Y

ClientSampled :

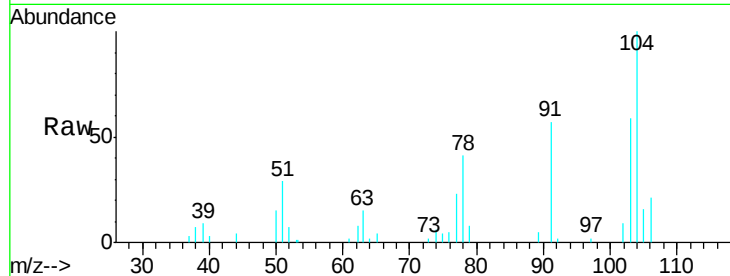
MDL6

Tgt Ion:104 Resp: 11320

Ion Ratio Lower Upper

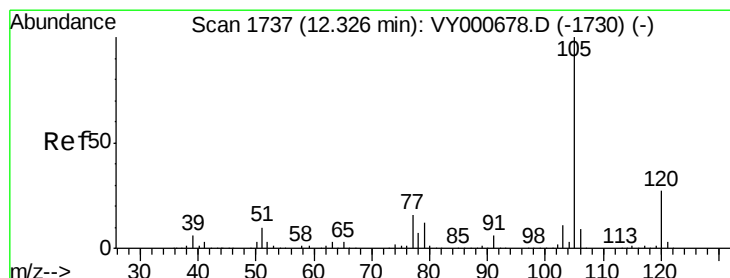
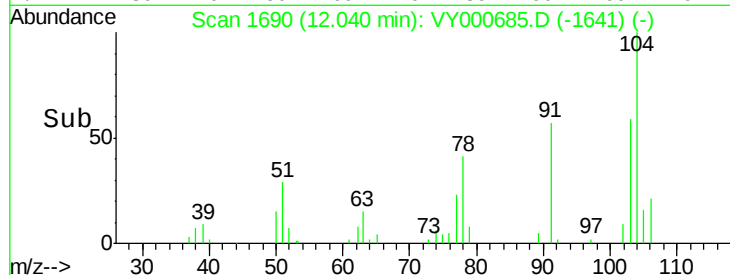
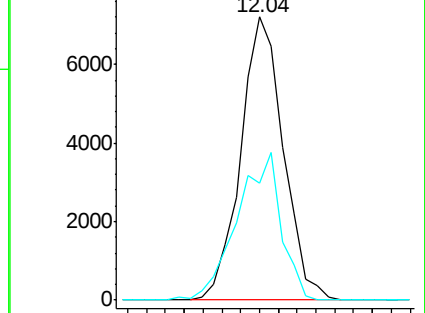
104 100

78 41.2 31.4 58.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0



#56

Isopropylbenzene

Concen: 1.582 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

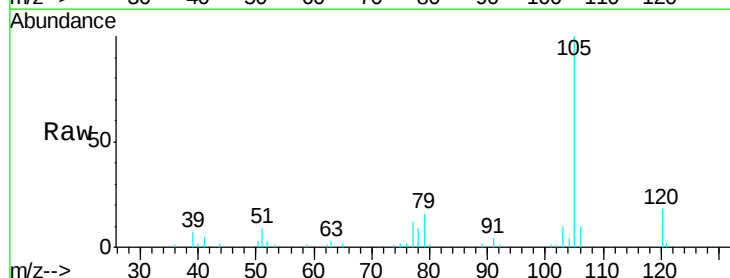
Tgt Ion:105 Resp: 14922

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

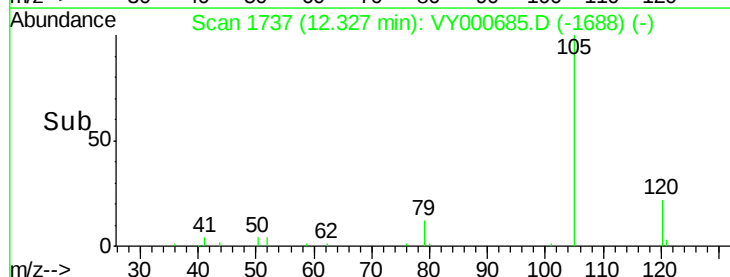
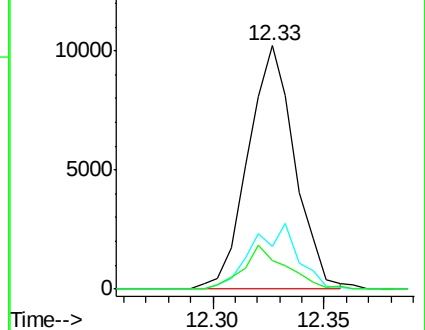
77 16.5 12.9 19.3

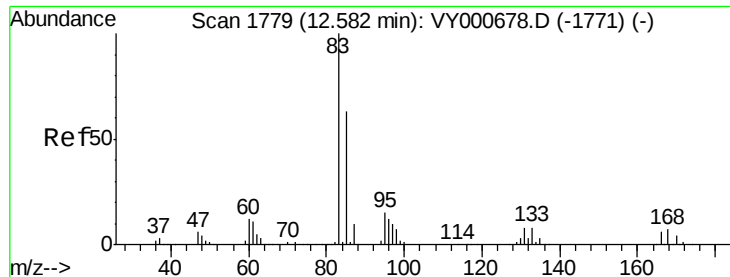


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VY0

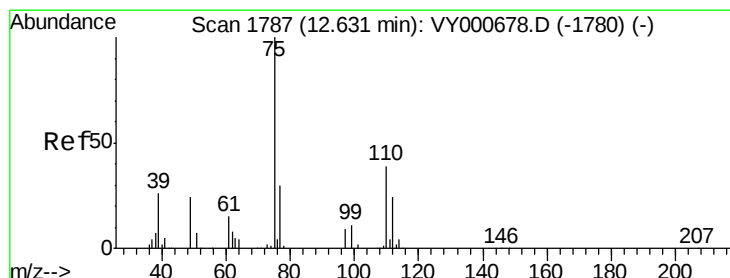
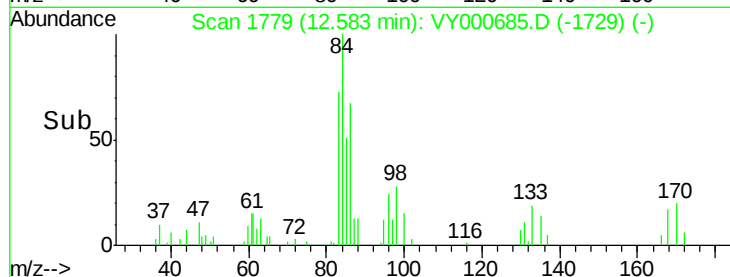
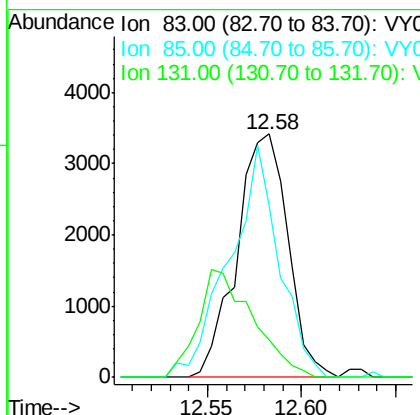
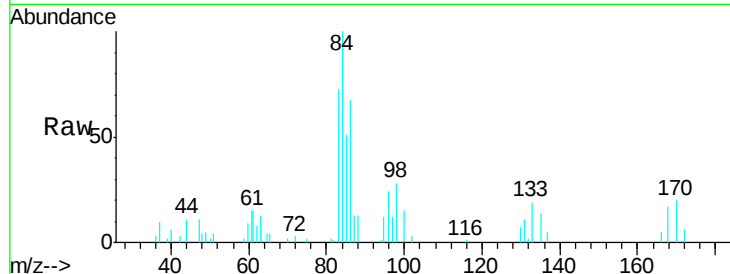




#58
 1,1,2,2-Tetrachloroethane
 Concen: 2.381 ug/L
 RT: 12.58 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: VY000685.D
 Acq: 14 Nov 2019 20:49

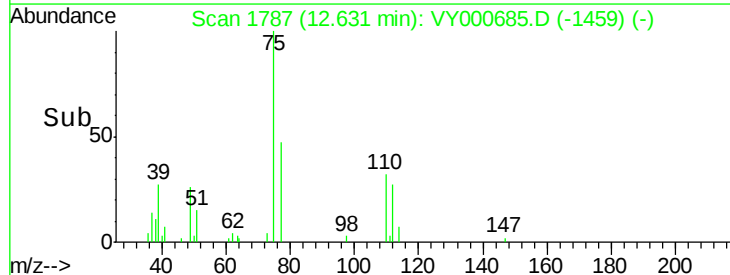
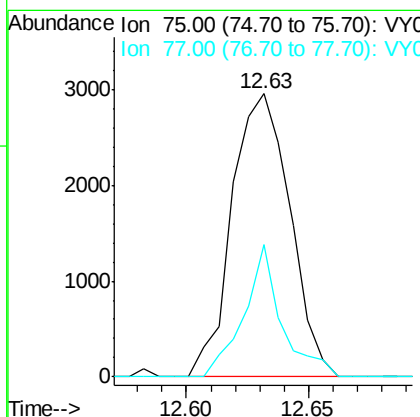
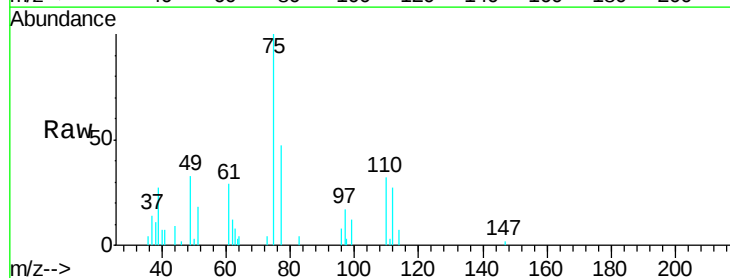
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL6

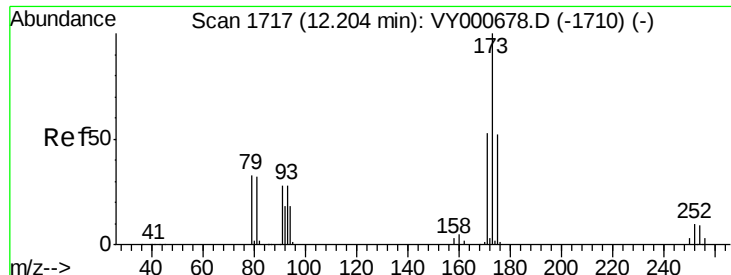
Tgt Ion: 83 Resp: 6412
 Ion Ratio Lower Upper
 83 100
 85 70.8 45.0 83.6
 131 15.4 6.6 9.8#



#59
 1,2,3-Trichloropropane
 Concen: 2.292 ug/L
 RT: 12.63 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: VY000685.D
 Acq: 14 Nov 2019 20:49

Tgt Ion: 75 Resp: 4884
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.5 38.3





#61

Bromoform

Concen: 2.070 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Instrument :

MSVOA_Y

ClientSampled :

MDL6

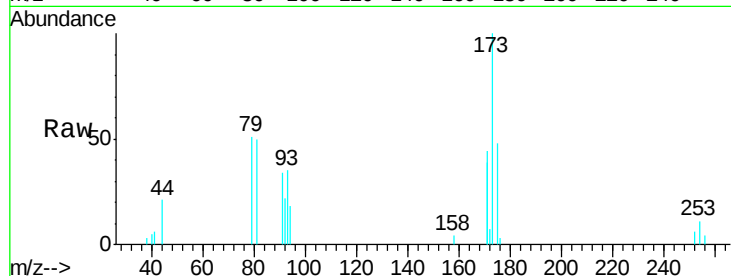
Tgt Ion:173 Resp: 2603

Ion Ratio Lower Upper

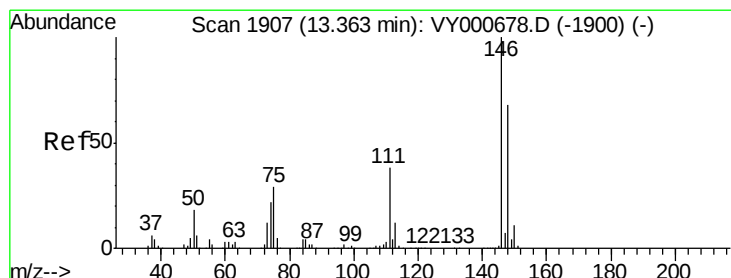
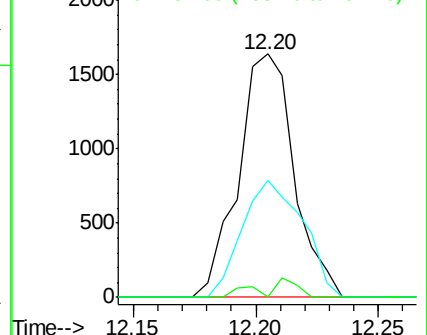
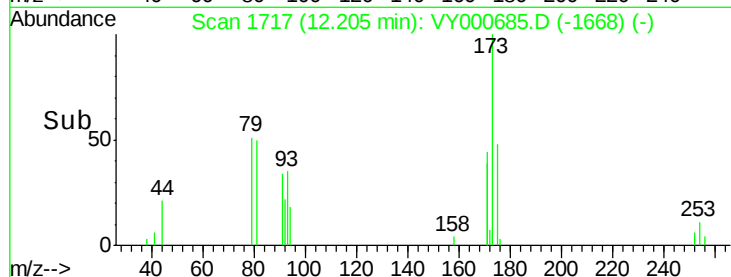
173 100

175 52.4 36.6 55.0

254 3.0 7.4 11.2#



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



#62

1,3-Dichlorobenzene

Concen: 1.937 ug/L

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

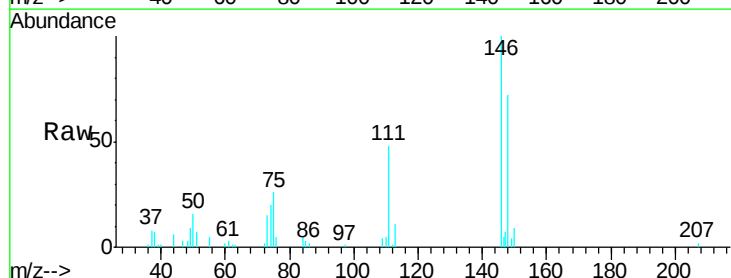
Tgt Ion:146 Resp: 7546

Ion Ratio Lower Upper

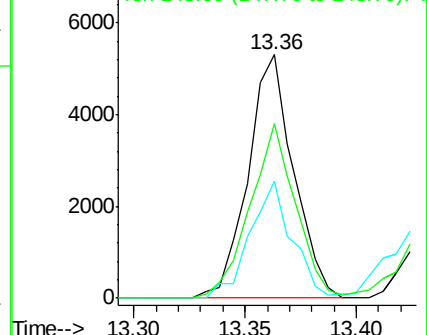
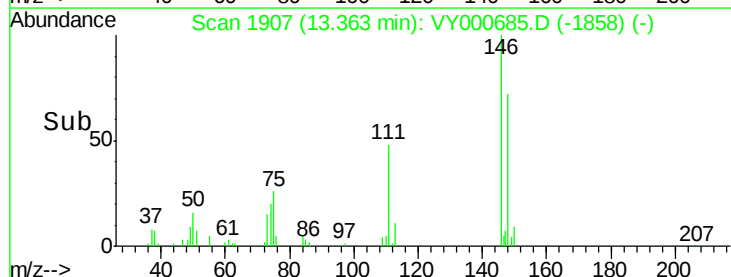
146 100

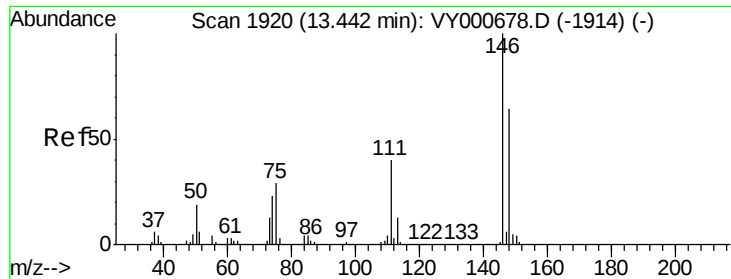
111 48.0 28.4 52.8

148 71.6 44.1 81.9



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

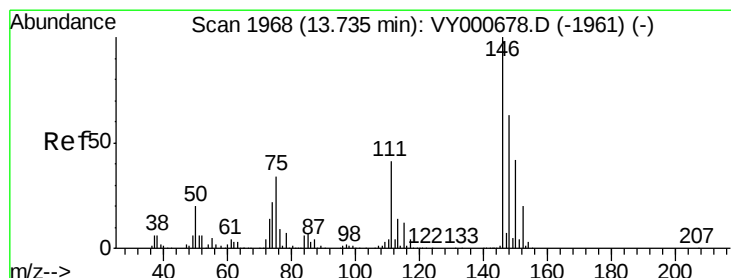
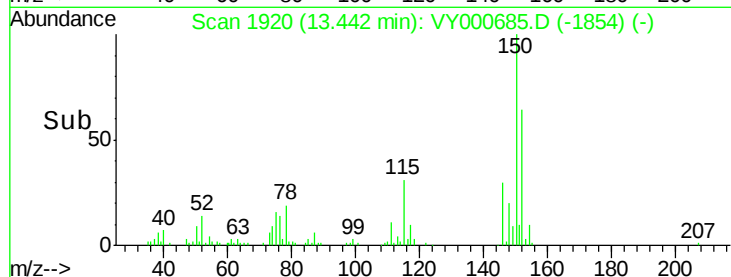
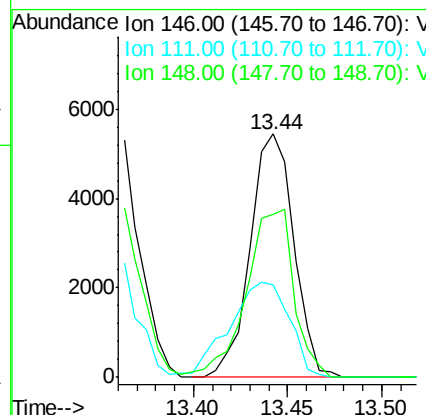
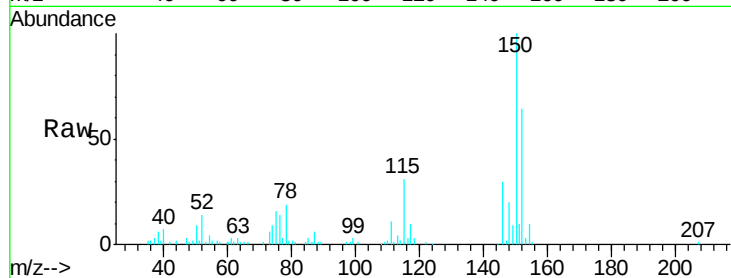




#63
 1,4-Dichlorobenzene
 Concen: 2.190 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY000685.D
 Acq: 14 Nov 2019 20:49

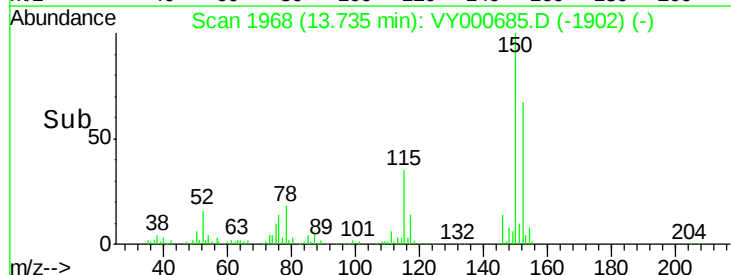
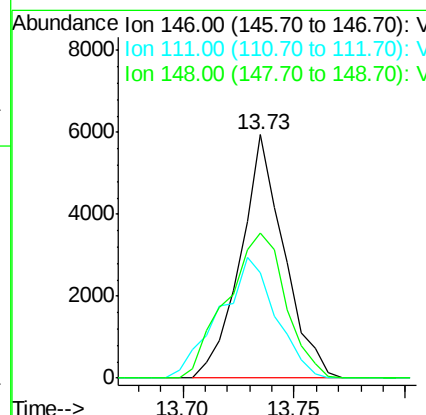
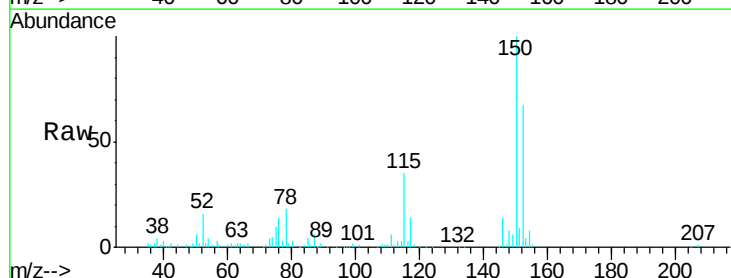
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL6

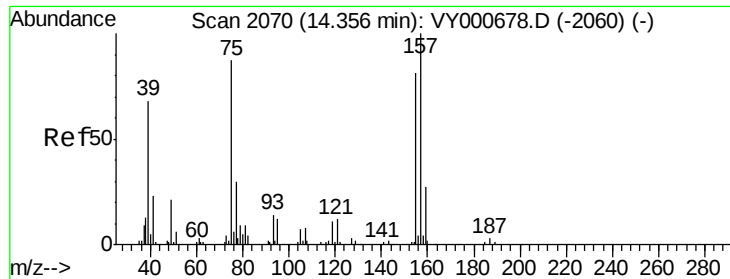
Tgt Ion:146 Resp: 8740
 Ion Ratio Lower Upper
 146 100
 111 38.2 27.4 51.0
 148 67.1 45.2 84.0



#65
 1,2-Dichlorobenzene
 Concen: 2.118 ug/L
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY000685.D
 Acq: 14 Nov 2019 20:49

Tgt Ion:146 Resp: 8126
 Ion Ratio Lower Upper
 146 100
 111 43.1 33.4 50.0
 148 59.6 50.8 76.2





#66

1,2-Dibromo-3-chloropropane

Concen: 2.222 ug/L

RT: 14.35 min Scan# 2069

Delta R.T. -0.01 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Instrument :

MSVOA_Y

ClientSampleId :

MDL6

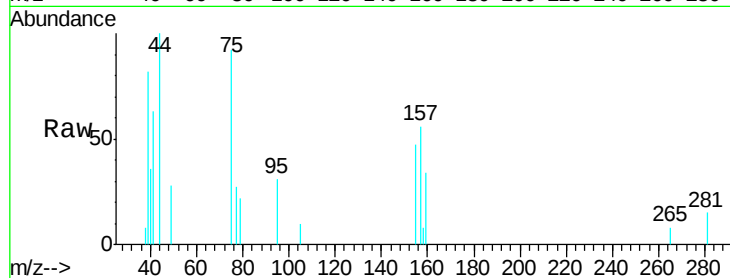
Tgt Ion: 75 Resp: 1030

Ion Ratio Lower Upper

75 100

155 50.7 67.7 101.5#

157 60.3 77.8 116.8#

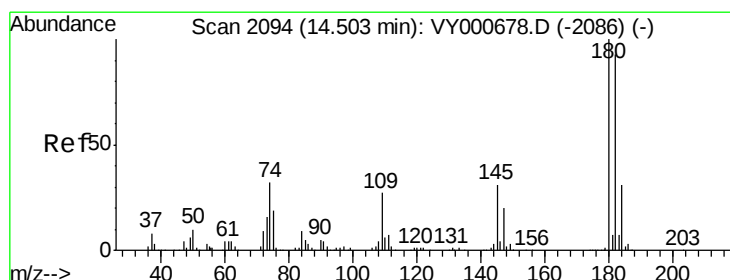
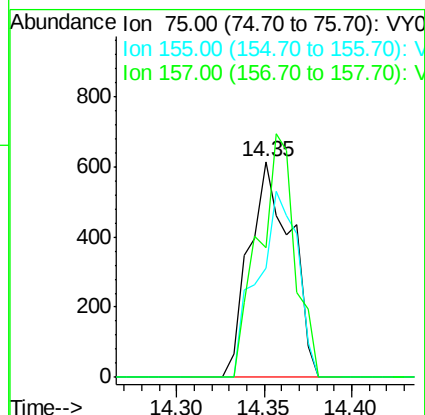
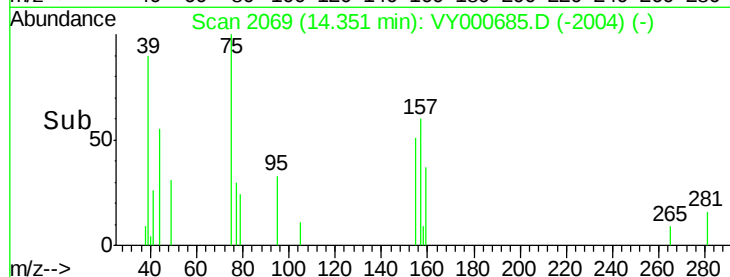


Abundance Ion 75.00 (74.70 to 75.70): VY000678.D (-2060) (-)

Ion 155.00 (154.70 to 155.70): VY000678.D (-2060) (-)

Ion 157.00 (156.70 to 157.70): VY000678.D (-2060) (-)

Time-->



#67

1,3,5-Trichlorobenzene

Concen: 1.836 ug/L

RT: 14.50 min Scan# 2094

Delta R.T. 0.01 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Tgt Ion: 180 Resp: 4991

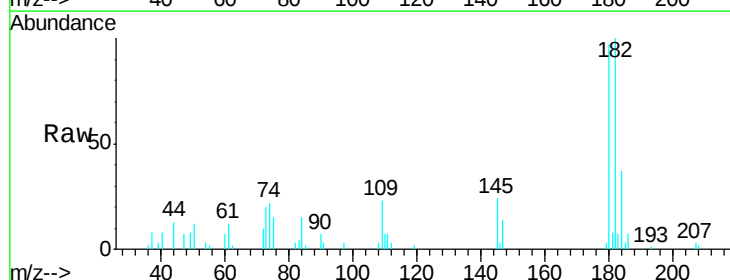
Ion Ratio Lower Upper

180 100

182 92.0 77.8 116.6

184 36.4 25.2 37.8

145 35.6 24.9 37.3



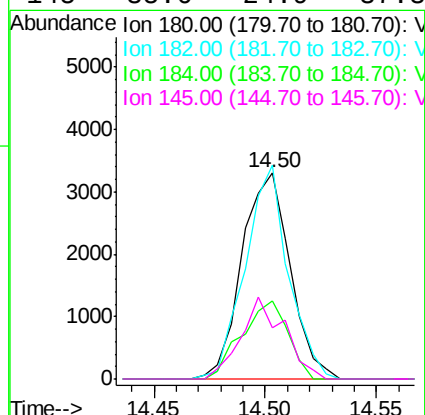
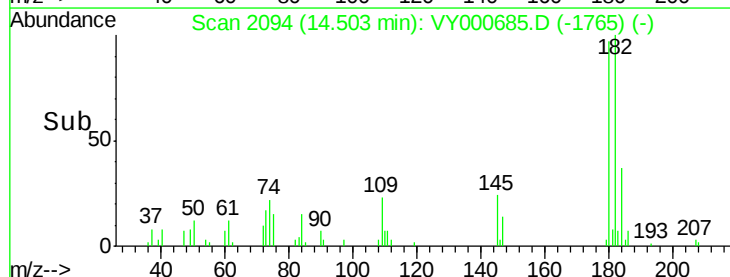
Abundance Ion 180.00 (179.70 to 180.70): VY000678.D (-2086) (-)

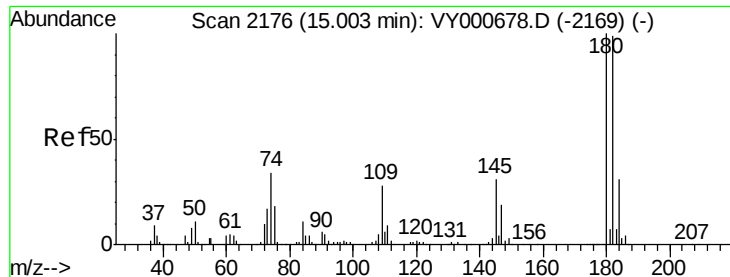
Ion 182.00 (181.70 to 182.70): VY000678.D (-2086) (-)

Ion 184.00 (183.70 to 184.70): VY000678.D (-2086) (-)

Ion 145.00 (144.70 to 145.70): VY000678.D (-2086) (-)

Time-->

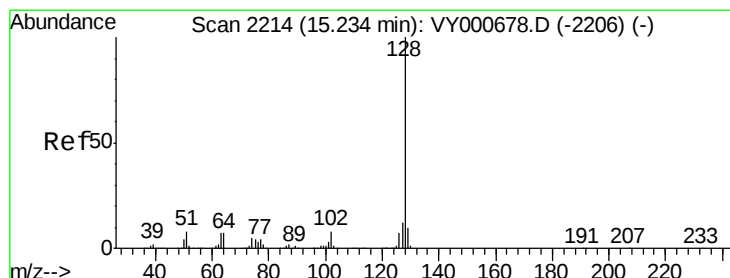
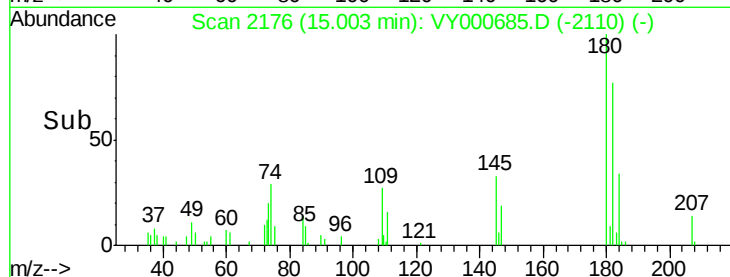
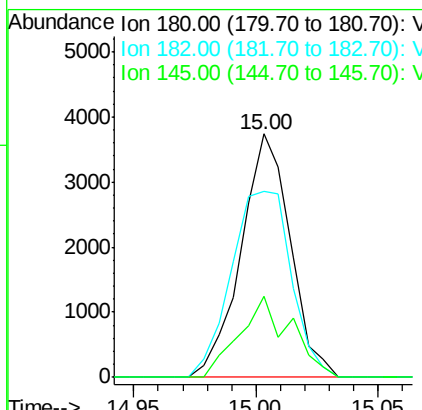
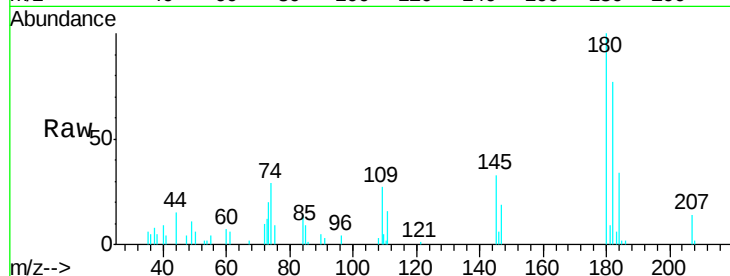




#68
 1,2,4-trichlorobenzene
 Concen: 2.053 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY000685.D
 Acq: 14 Nov 2019 20:49

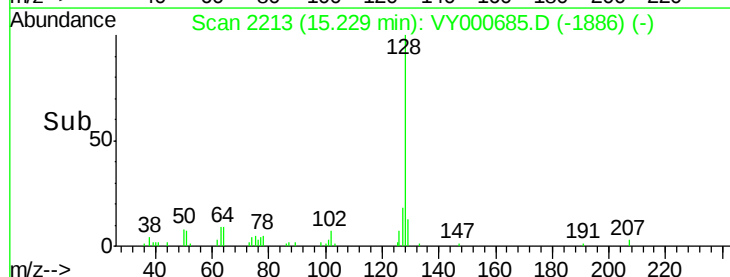
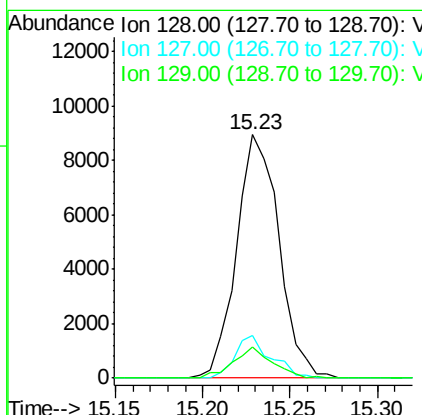
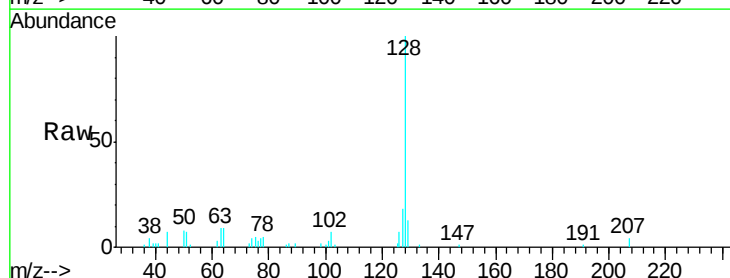
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL6

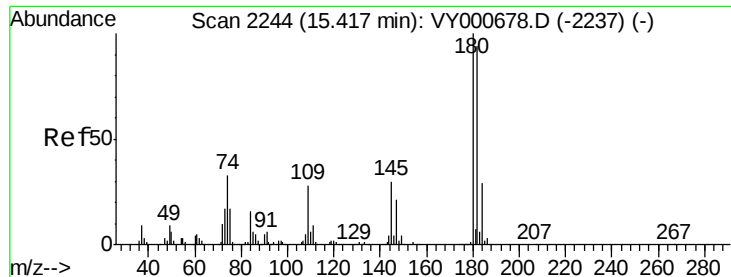
Tgt Ion:180 Resp: 5236
 Ion Ratio Lower Upper
 180 100
 182 93.2 75.5 113.3
 145 34.8 25.4 38.0



#69
 Naphthalene
 Concen: 1.988 ug/L
 RT: 15.23 min Scan# 2213
 Delta R.T. -0.01 min
 Lab File: VY000685.D
 Acq: 14 Nov 2019 20:49

Tgt Ion:128 Resp: 15150
 Ion Ratio Lower Upper
 128 100
 127 14.7 10.1 15.1
 129 11.4 8.7 13.1





#70
 1,2,3-Trichlorobenzene
 Concen: 2.086 ug/L
 RT: 15.42 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VY000685.D
 Acq: 14 Nov 2019 20:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL6

Tgt Ion:180 Resp: 5120
 Ion Ratio Lower Upper
 180 100
 182 97.1 75.3 112.9
 145 33.7 25.8 38.8

