

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111419\
 Data File : VY000681.D
 Acq On : 14 Nov 2019 19:20
 Operator : SY/MD
 Sample : MDL2
 Misc : 5ML/MSVOA_Y/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

Quant Time: Nov 15 10:19:23 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	8.69	114	317485	50.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	277237	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	129097	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	122240	49.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.04%
7) Chloroethane-d5	2.76	69	110860	53.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.84%
11) 1,1-Dichloroethene-d2	3.85	63	174650	40.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.48%
21) 2-Butanone-d5	6.91	46	119344	121.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.31%
24) Chloroform-d	7.49	84	209443	58.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.54%
26) 1,2-Dichloroethane-d4	8.15	65	137947	54.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.80%
32) Benzene-d6	8.11	84	438443	56.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.10%
36) 1,2-Dichloropropane-d6	9.13	67	139832	58.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	116.92%
41) Toluene-d8	10.18	98	388001	54.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.08%
43) trans-1,3-Dichloropropene-	10.44	79	66730	55.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	111.50%
47) 2-Hexanone-d5	10.79	63	83498	118.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.40%
57) 1,1,2,2-Tetrachloroethane-	12.56	84	152321	53.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.96%
64) 1,2-Dichlorobenzene-d4	13.72	152	144653	57.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.82%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	3293	1.816 ug/L	97
3) Chloromethane	2.11	50	6944	2.880 ug/L #	81
5) Vinyl chloride	2.25	62	6591	2.726 ug/L #	80
6) Bromomethane	2.65	94	3617	2.602 ug/L	94
8) Chloroethane	2.79	64	3863	2.546 ug/L	96
9) Trichlorofluoromethane	3.13	101	8292	2.323 ug/L	98
12) 1,1-Dichloroethene	3.86	96	4374	2.195 ug/L #	1
14) Carbon disulfide	4.19	76	13849	2.519 ug/L	96
15) Methyl Acetate	4.49	43	4994	2.806 ug/L	97
16) Methylene chloride	4.72	84	6009	2.820 ug/L	94
17) trans-1,2-Dichloroethene	5.22	96	3449	1.657 ug/L	93
18) Methyl tert-butyl Ether	5.23	73	16830	2.687 ug/L #	85
19) 1,1-Dichloroethane	6.02	63	9795	2.619 ug/L	95
20) cis-1,2-Dichloroethene	6.99	96	3322	1.424 ug/L	77
22) 2-Butanone	7.01	43	6312	5.664 ug/L	85
23) Bromochloromethane	7.35	128	3350	3.116 ug/L #	60
25) Chloroform	7.52	83	15386	3.593 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111419\
 Data File : VY000681.D
 Acq On : 14 Nov 2019 19:20
 Operator : SY/MD
 Sample : MDL2
 Misc : 5ML/MSVOA_Y/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

Quant Time: Nov 15 10:19:23 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)

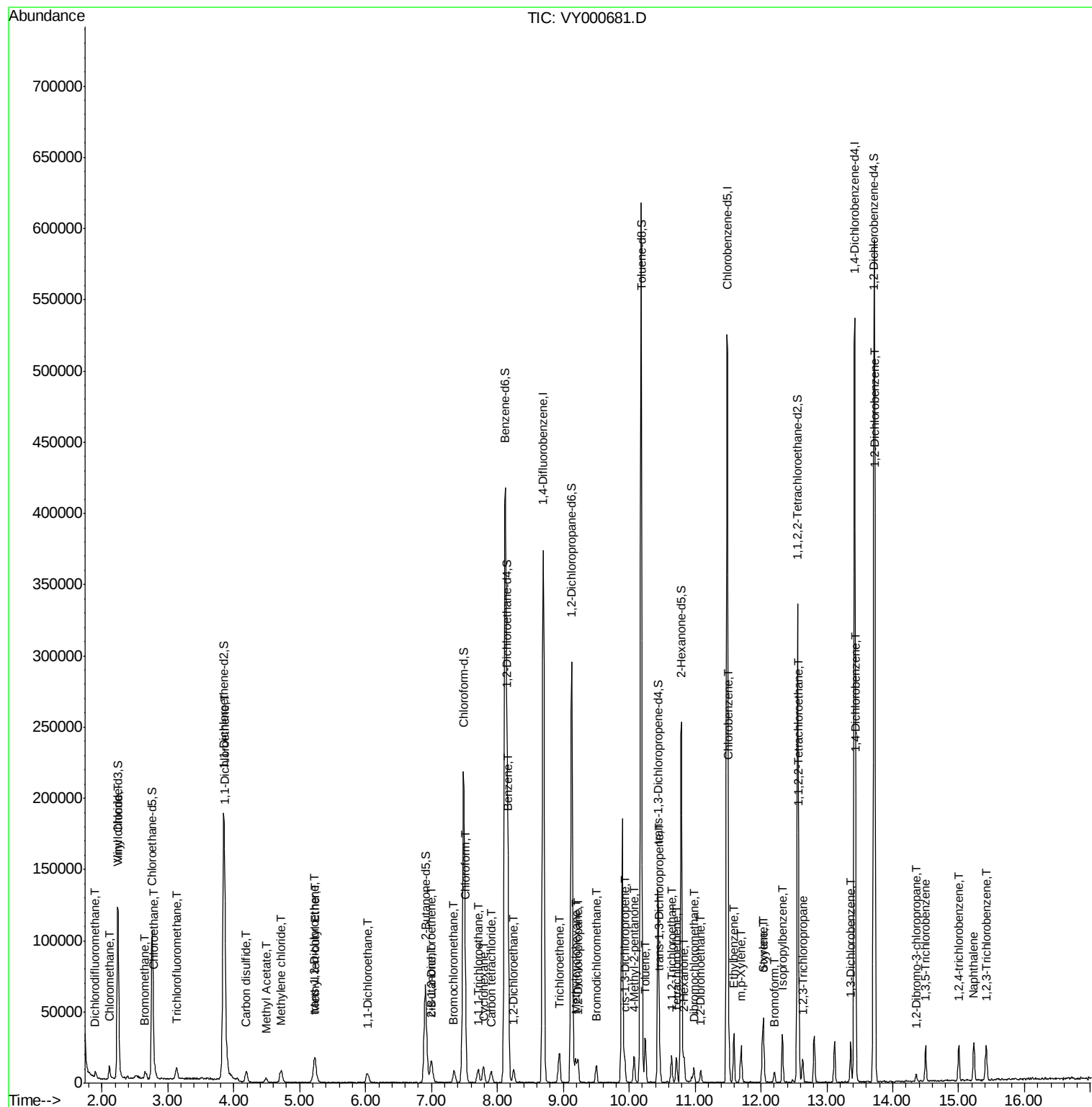
27) 1,2-Dichloroethane	8.25	62	8085	2.765	ug/L #	92
29) Cyclohexane	7.79	56	5991	1.851	ug/L #	82
30) 1,1,1-Trichloroethane	7.70	97	3669	1.212	ug/L #	41
31) Carbon tetrachloride	7.91	117	5815	2.145	ug/L	99
33) Benzene	8.17	78	21181	2.565	ug/L	100
34) Trichloroethene	8.94	95	5303	2.557	ug/L	87
35) Methylcyclohexane	9.19	83	6140	1.794	ug/L #	74
37) 1,2-Dichloropropane	9.23	63	5507	2.688	ug/L	99
38) Bromodichloromethane	9.50	83	7612	2.766	ug/L #	97
39) cis-1,3-Dichloropropene	9.93	75	8578	2.464	ug/L	99
40) 4-Methyl-2-pentanone	10.07	43	12039	5.123	ug/L	99
42) Toluene	10.25	91	21244	2.430	ug/L	100
44) trans-1,3-Dichloropropene	10.46	75	10606	3.480	ug/L	97
45) 1,1,2-Trichloroethane	10.64	97	4819	2.479	ug/L #	71
46) Tetrachloroethene	10.71	164	3914	2.439	ug/L #	79
48) 2-Hexanone	10.83	43	10130	5.970	ug/L #	95
49) Dibromochloromethane	10.98	129	5006	2.378	ug/L	93
50) 1,2-Dibromoethane	11.09	107	5145	2.645	ug/L #	93
51) Chlorobenzene	11.51	112	13905	2.469	ug/L	95
52) Ethylbenzene	11.59	91	21797	2.185	ug/L	95
53) m,p-Xylene	11.70	106	8318	2.168	ug/L	87
54) o-xylene	12.03	106	8356	2.221	ug/L	93
55) Styrene	12.04	104	13892	2.173	ug/L	95
56) Isopropylbenzene	12.33	105	19472	2.022	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.58	83	7672	2.791	ug/L #	96
59) 1,2,3-Trichloropropane	12.63	75	5897	2.711	ug/L	95
61) Bromoform	12.20	173	3153	2.412	ug/L #	85
62) 1,3-Dichlorobenzene	13.36	146	10511	2.596	ug/L	96
63) 1,4-Dichlorobenzene	13.44	146	10736	2.588	ug/L	99
65) 1,2-Dichlorobenzene	13.73	146	10706	2.685	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.35	75	1565	3.249	ug/L	91
67) 1,3,5-Trichlorobenzene	14.50	180	6988	2.473	ug/L	98
68) 1,2,4-trichlorobenzene	15.01	180	6880	2.595	ug/L	96
69) Naphthalene	15.23	128	19789	2.498	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	7156	2.805	ug/L	96

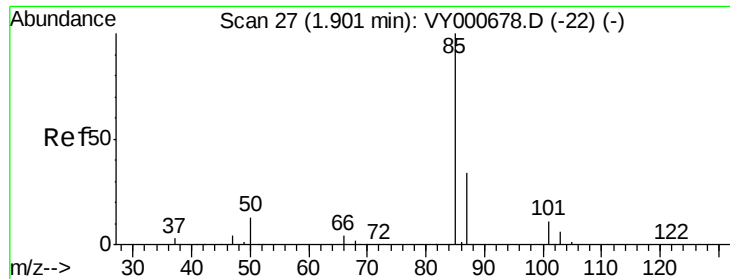
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY111419\
Data File : VY000681.D
Acq On : 14 Nov 2019 19:20
Operator : SY/MD
Sample : MDL2
Misc : 5ML/MSVOA_Y/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MDL2

Quant Time: Nov 15 10:19:23 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOMYLM111419WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 15 10:16:24 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.816 ug/L

RT: 1.90 min Scan# 26

Delta R.T. -0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

ClientSampled :

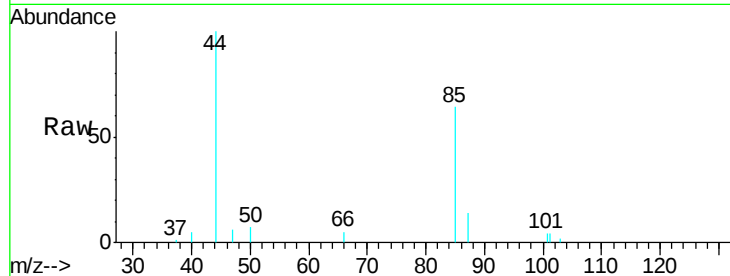
MDL2

Tgt Ion: 85 Resp: 3293

Ion Ratio Lower Upper

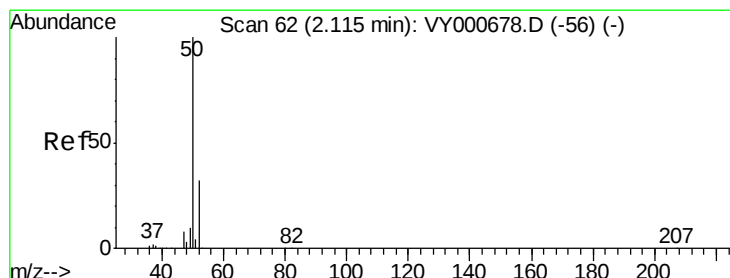
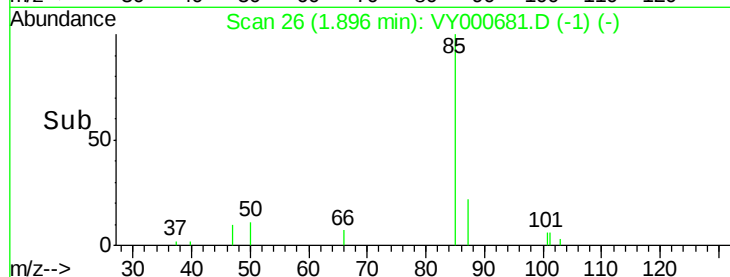
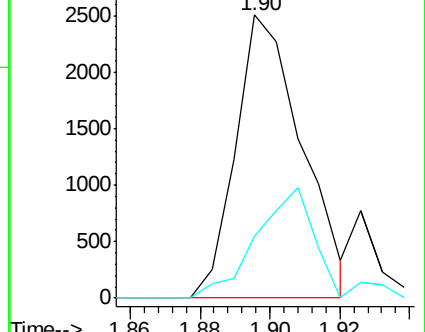
85 100

87 33.8 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VY000678.D (-22) (-)

Ion 87.00 (86.70 to 87.70): VY000678.D (-22) (-)



#3

Chloromethane

Concen: 2.880 ug/L

RT: 2.11 min Scan# 61

Delta R.T. -0.00 min

Lab File: VY000681.D

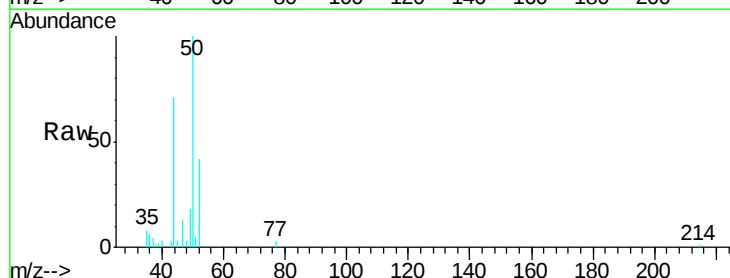
Acq: 14 Nov 2019 19:20

Tgt Ion: 50 Resp: 6944

Ion Ratio Lower Upper

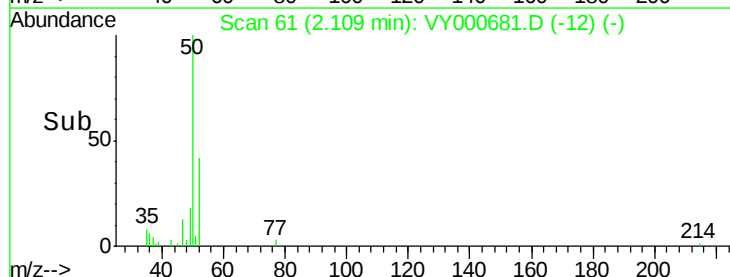
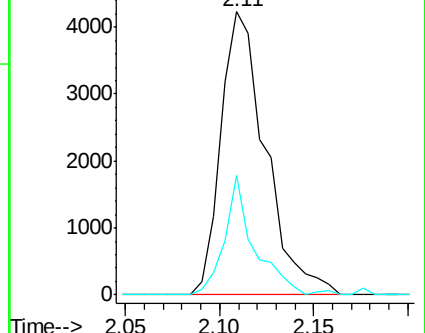
50 100

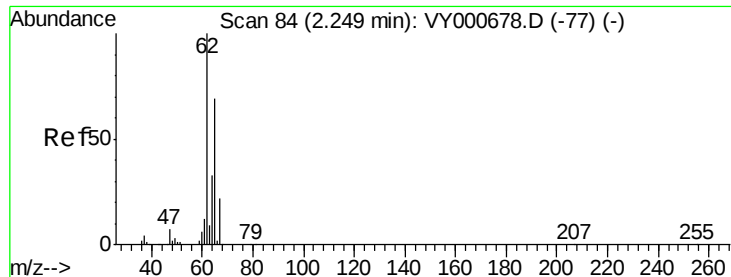
52 42.4 22.2 41.2#



Abundance Ion 50.00 (49.70 to 50.70): VY000678.D (-56) (-)

Ion 52.00 (51.70 to 52.70): VY000678.D (-56) (-)





#5

Vinyl chloride

Concen: 2.726 ug/L

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

ClientSampled :

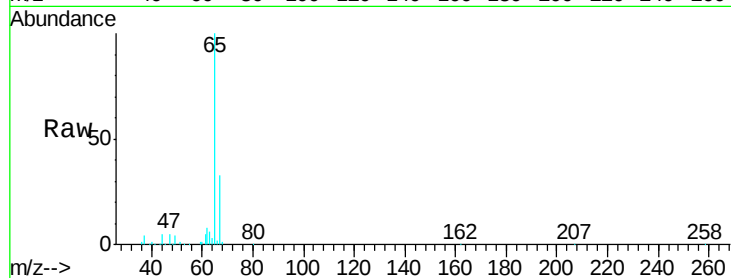
MDL2

Tgt Ion: 62 Resp: 6591

Ion Ratio Lower Upper

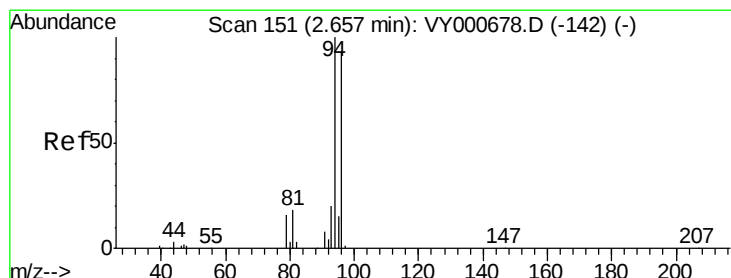
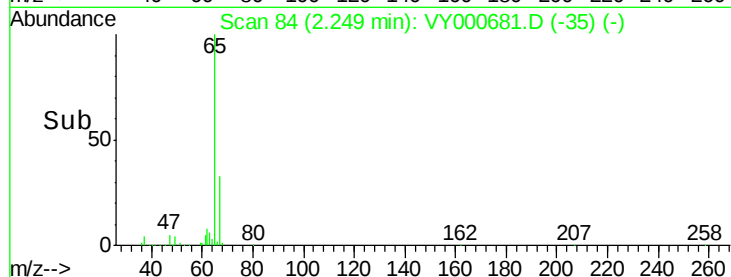
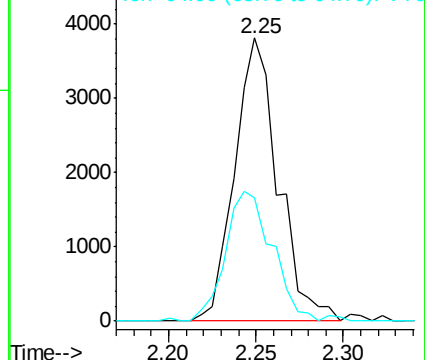
62 100

64 43.6 22.7 42.1#



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 2.602 ug/L

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY000681.D

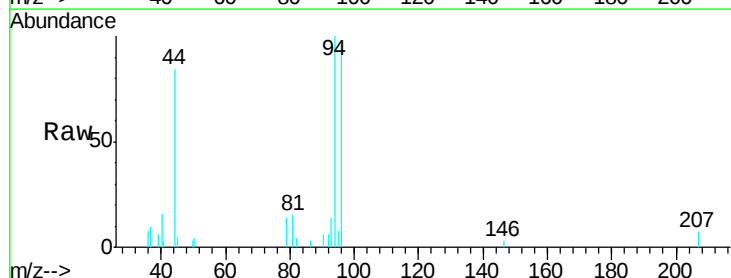
Acq: 14 Nov 2019 19:20

Tgt Ion: 94 Resp: 3617

Ion Ratio Lower Upper

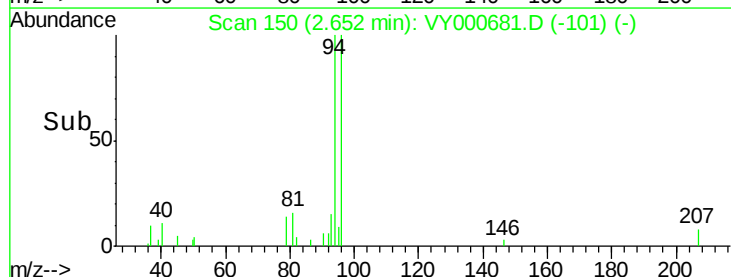
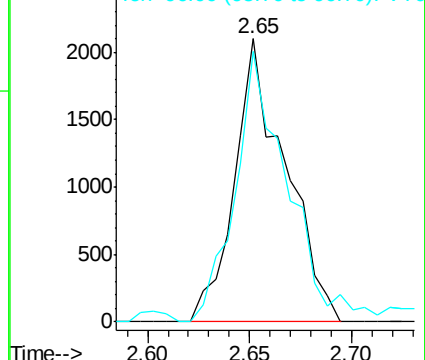
94 100

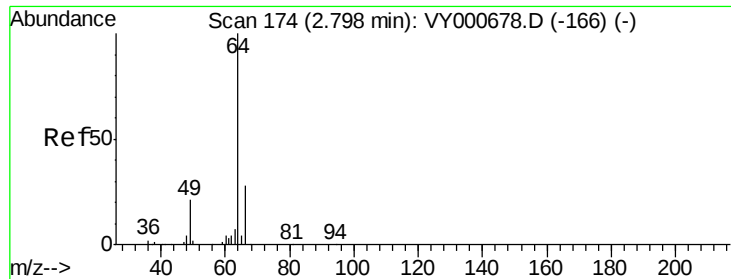
96 95.6 63.0 117.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 2.546 ug/L

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

ClientSampleId :

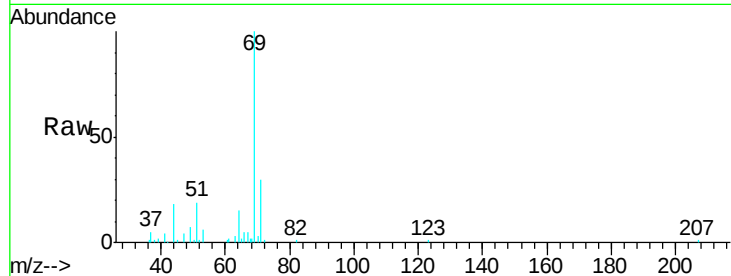
MDL2

Tgt Ion: 64 Resp: 3863

Ion Ratio Lower Upper

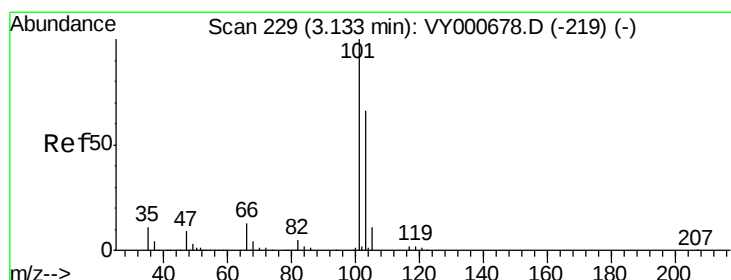
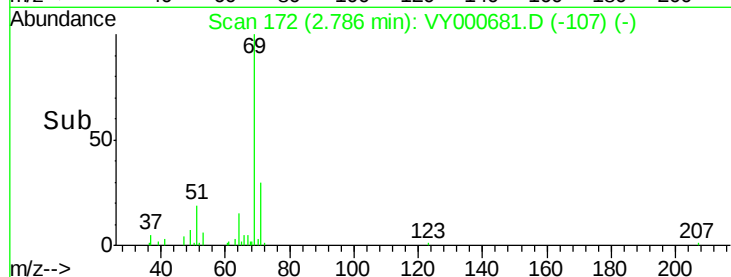
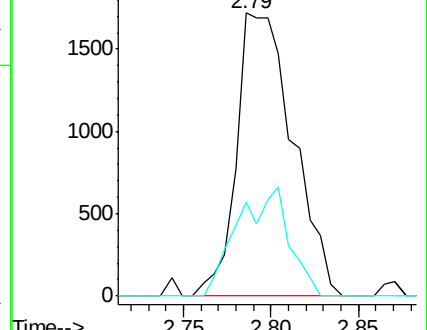
64 100

66 33.0 21.7 40.3



Abundance Ion 64.00 (63.70 to 64.70): VY000681.D (-166) (-)

Ion 66.00 (65.70 to 66.70): VY000681.D (-166) (-)



#9

Trichlorofluoromethane

Concen: 2.323 ug/L

RT: 3.13 min Scan# 229

Delta R.T. 0.01 min

Lab File: VY000681.D

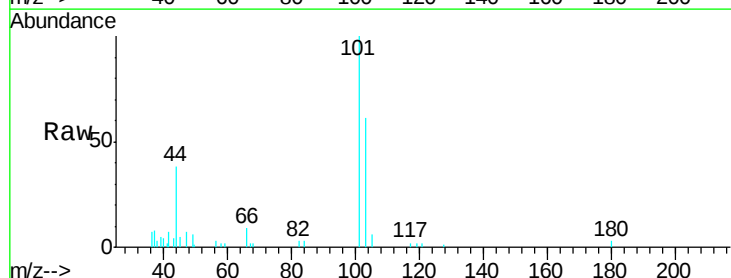
Acq: 14 Nov 2019 19:20

Tgt Ion: 101 Resp: 8292

Ion Ratio Lower Upper

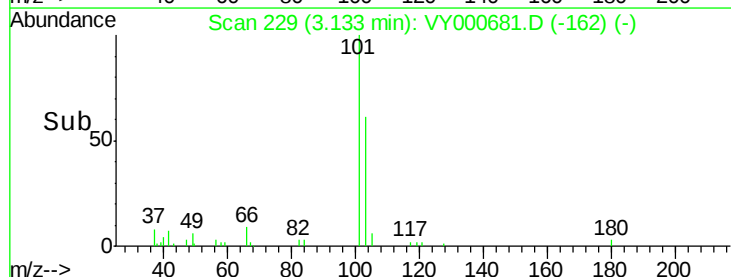
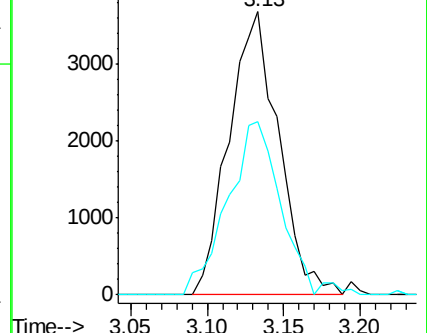
101 100

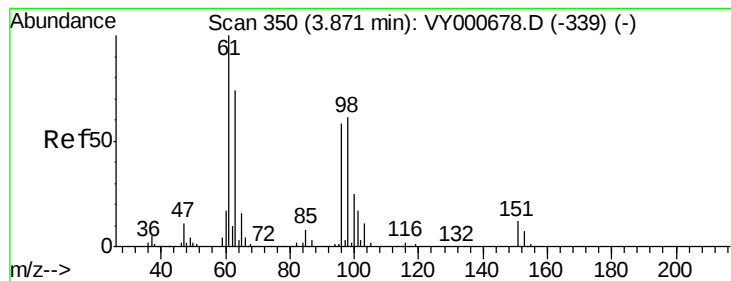
103 64.2 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VY000681.D (-219) (-)

Ion 103.00 (102.70 to 103.70): VY000681.D (-219) (-)





#12

1,1-Dichloroethene

Concen: 2.195 ug/L

RT: 3.86 min Scan# 349

Delta R.T. -0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

ClientSampled :

MDL2

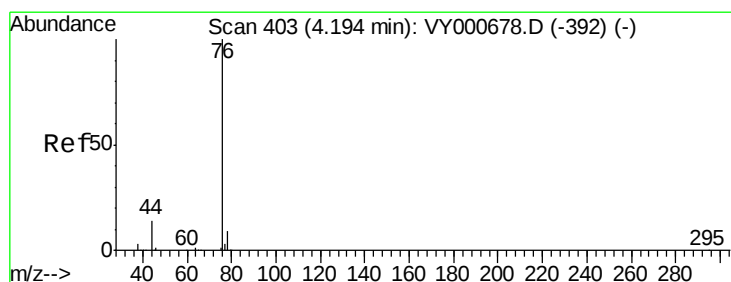
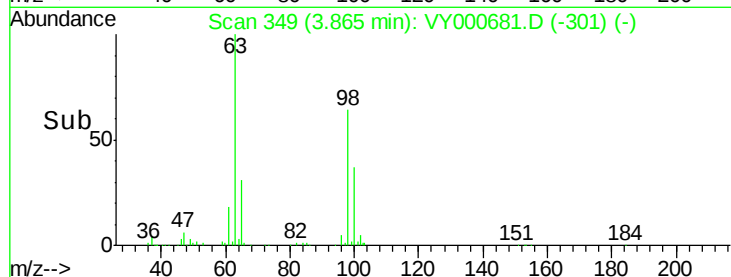
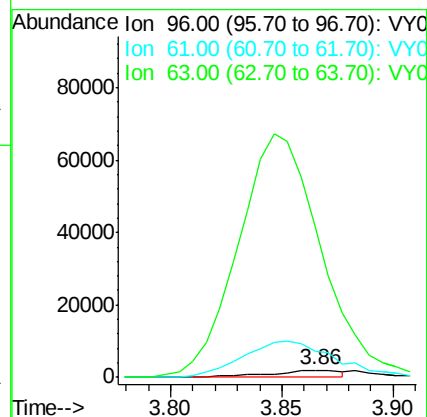
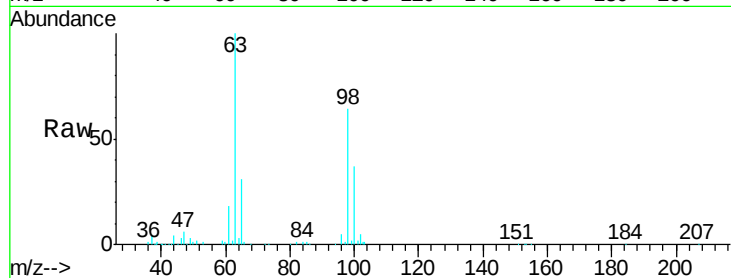
Tgt Ion: 96 Resp: 4374

Ion Ratio Lower Upper

96 100

61 366.0 117.5 218.3#

63 2066.9 70.1 130.3#



#14

Carbon disulfide

Concen: 2.519 ug/L

RT: 4.19 min Scan# 402

Delta R.T. 0.01 min

Lab File: VY000681.D

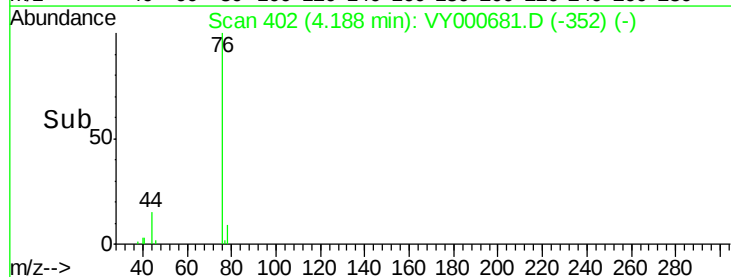
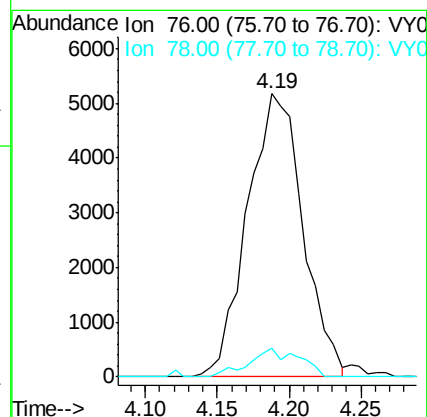
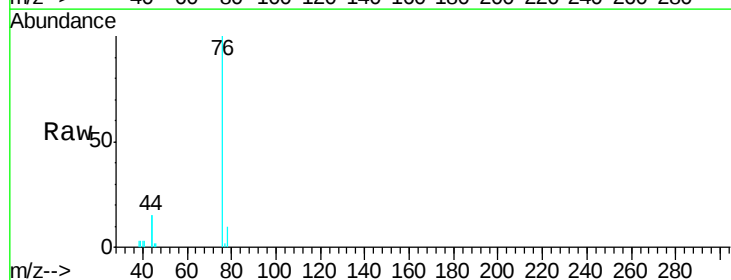
Acq: 14 Nov 2019 19:20

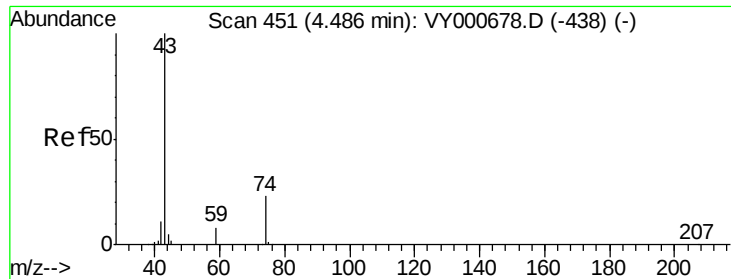
Tgt Ion: 76 Resp: 13849

Ion Ratio Lower Upper

76 100

78 10.2 7.0 10.6





#15

Methyl Acetate

Concen: 2.806 ug/L

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

ClientSampled :

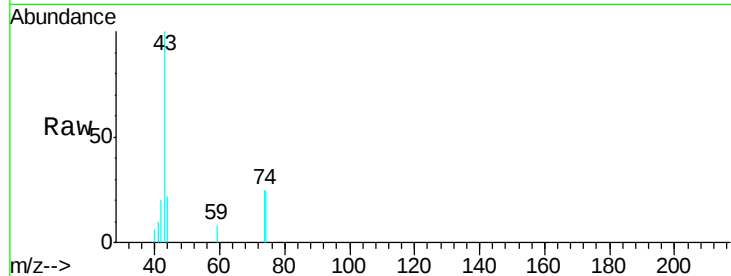
MDL2

Tgt Ion: 43 Resp: 4994

Ion Ratio Lower Upper

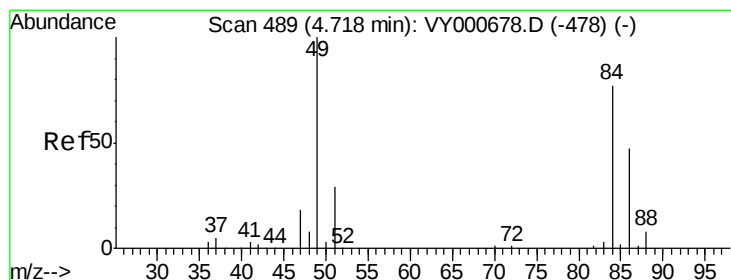
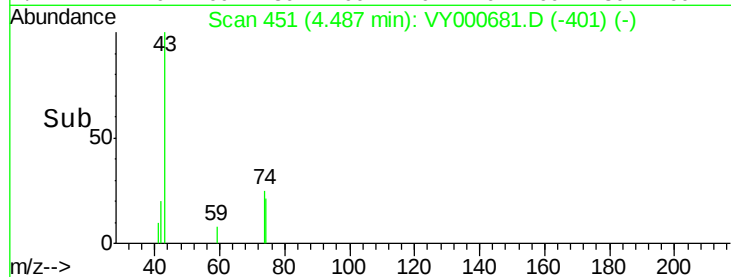
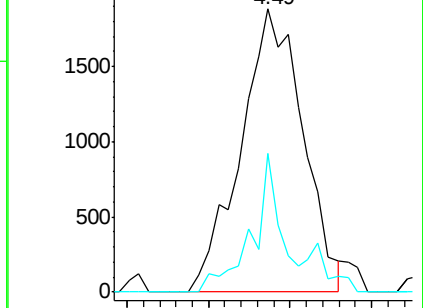
43 100

74 22.2 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VY000681.D (-438) (-)

Ion 74.00 (73.70 to 74.70): VY000681.D (-438) (-)



#16

Methylene chloride

Concen: 2.820 ug/L

RT: 4.72 min Scan# 489

Delta R.T. 0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

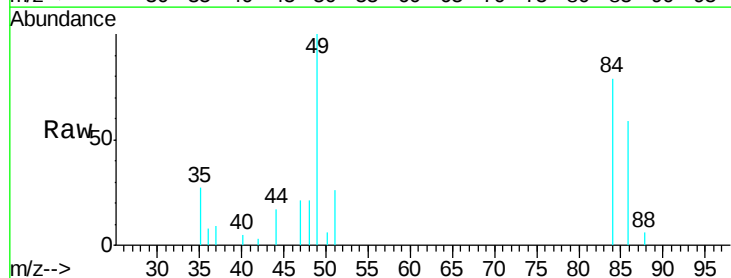
Tgt Ion: 84 Resp: 6009

Ion Ratio Lower Upper

84 100

86 75.0 45.9 85.3

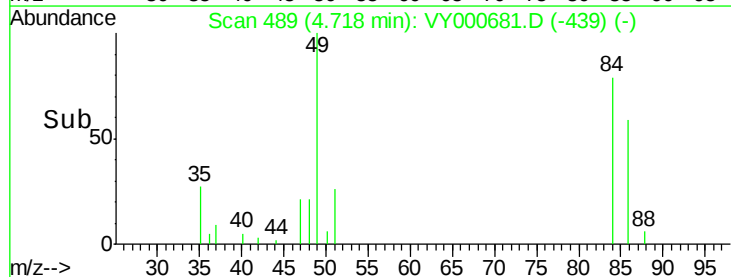
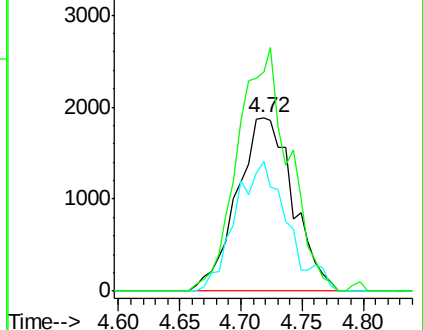
49 126.6 86.1 159.9

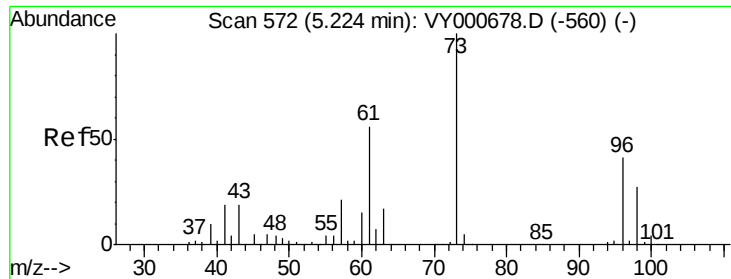


Abundance Ion 84.00 (83.70 to 84.70): VY000681.D (-478) (-)

Ion 86.00 (85.70 to 86.70): VY000681.D (-478) (-)

Ion 49.00 (48.70 to 49.70): VY000681.D (-478) (-)





#17

trans-1,2-Dichloroethene

Concen: 1.657 ug/L

RT: 5.22 min Scan# 571

Delta R.T. 0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

ClientSampled :

MDL2

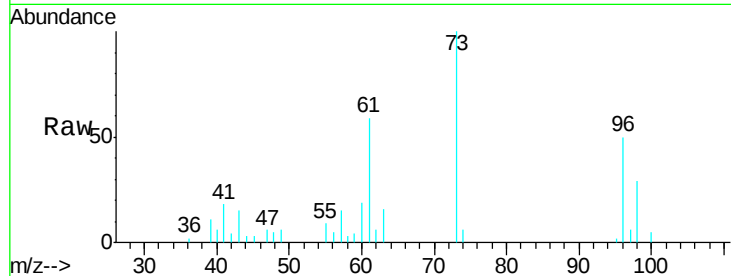
Tgt Ion: 96 Resp: 3449

Ion Ratio Lower Upper

96 100

61 119.0 90.8 168.6

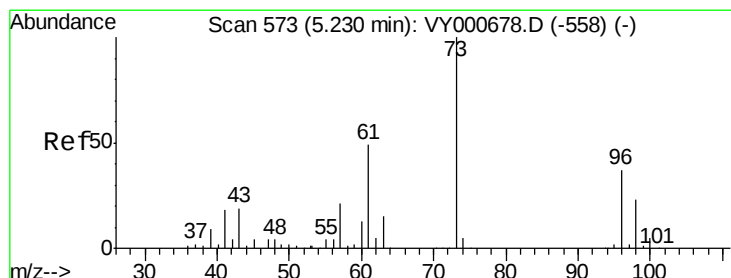
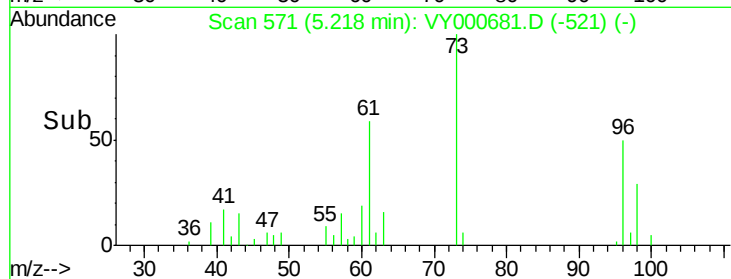
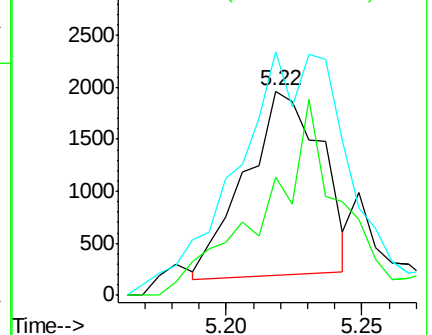
98 58.0 41.0 76.2



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



#18

Methyl tert-butyl Ether

Concen: 2.687 ug/L

RT: 5.23 min Scan# 573

Delta R.T. -0.00 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

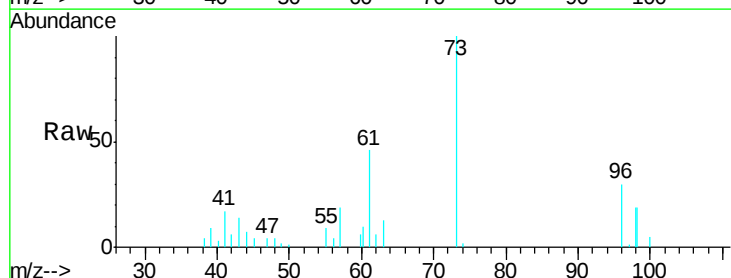
Tgt Ion: 73 Resp: 16830

Ion Ratio Lower Upper

73 100

43 8.6 15.5 23.3#

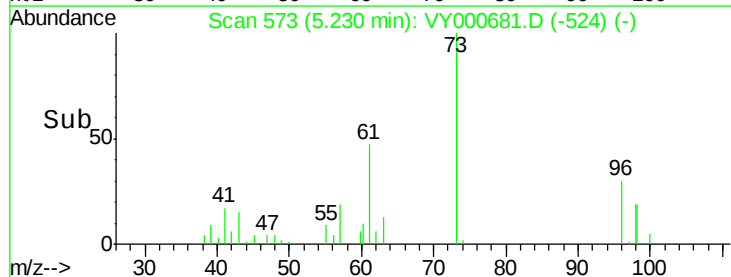
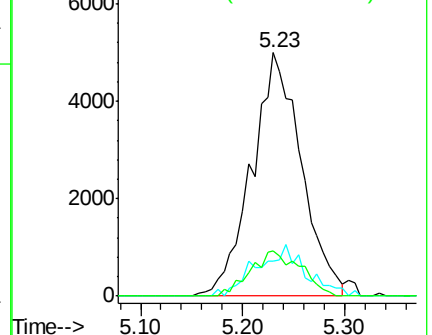
57 18.9 17.7 26.5

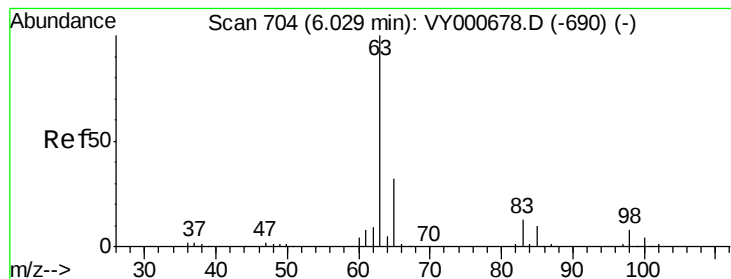


Abundance Ion 73.00 (72.70 to 73.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#19

1,1-Dichloroethane

Concen: 2.619 ug/L

RT: 6.02 min Scan# 703

Delta R.T. 0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

ClientSampled :

MDL2

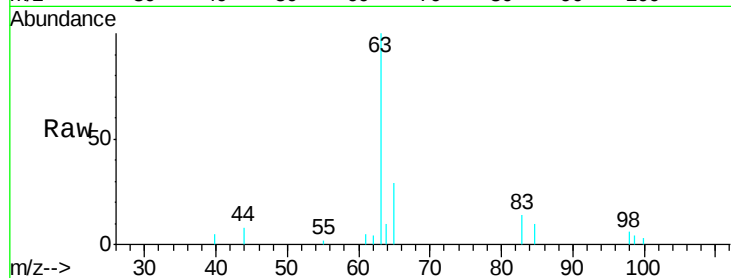
Tgt Ion: 63 Resp: 9795

Ion Ratio Lower Upper

63 100

65 29.0 22.7 42.1

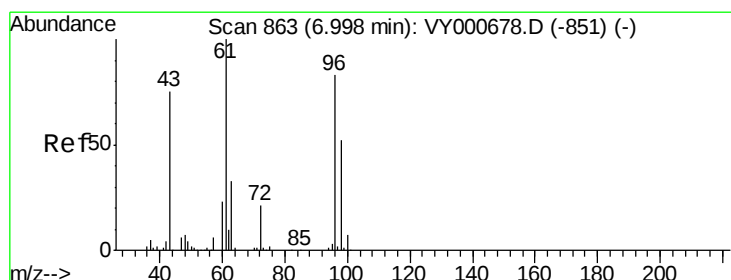
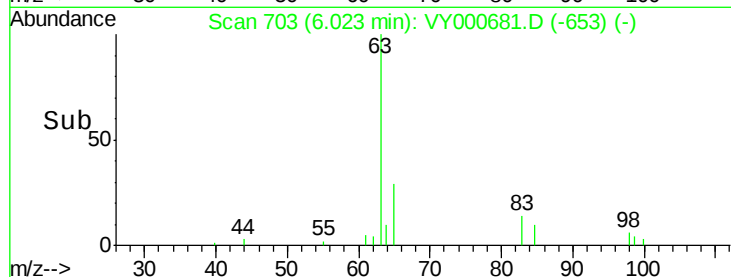
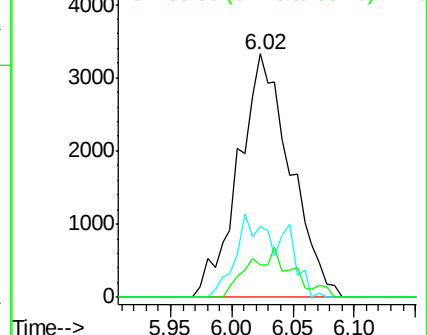
83 13.5 10.5 19.5



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: 1.424 ug/L

RT: 6.99 min Scan# 862

Delta R.T. 0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

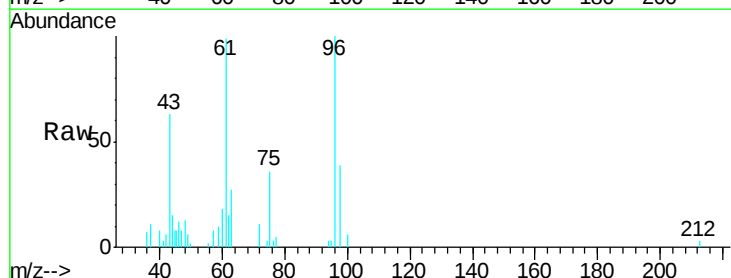
Tgt Ion: 96 Resp: 3322

Ion Ratio Lower Upper

96 100

61 98.7 87.2 162.0

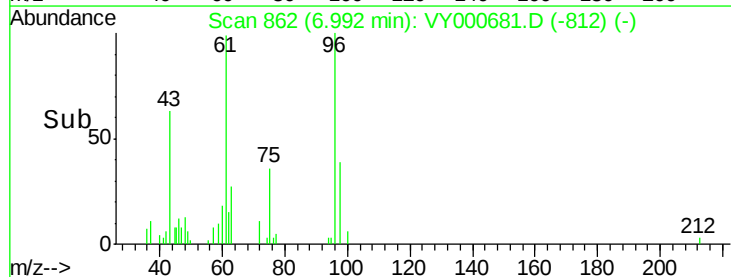
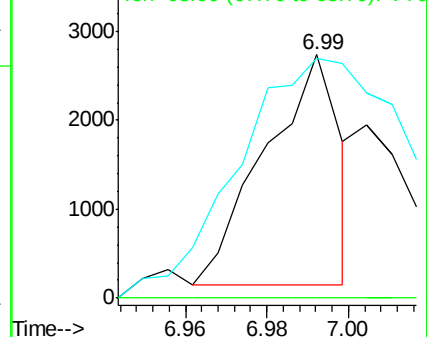
68 0.0 0.0 0.0

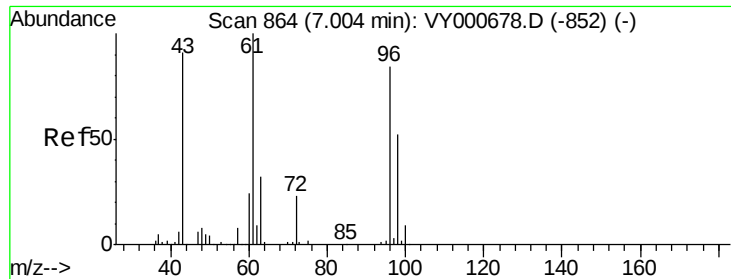


Abundance Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 68.00 (67.70 to 68.70): VY0





#22

2-Butanone

Concen: 5.664 ug/L

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

ClientSampled :

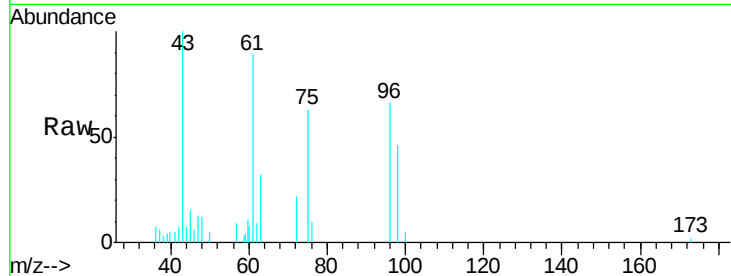
MDL2

Tgt Ion: 43 Resp: 6312

Ion Ratio Lower Upper

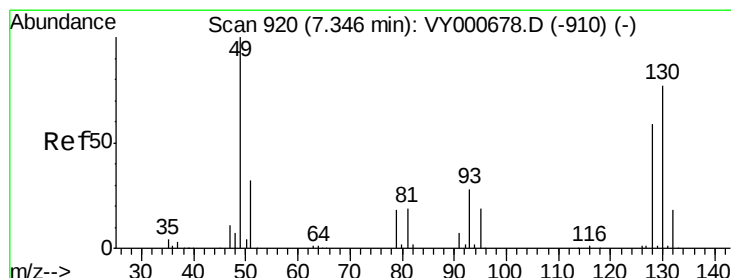
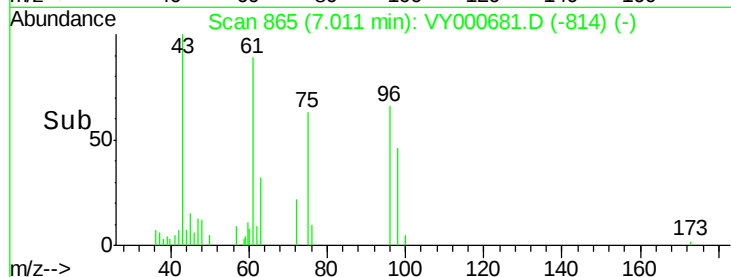
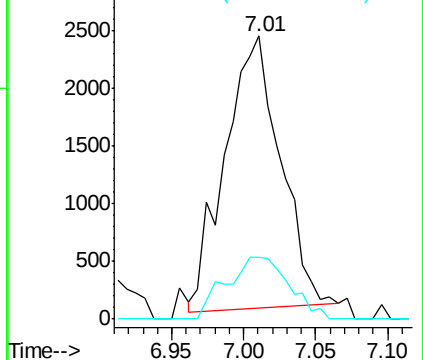
43 100

72 19.6 13.7 41.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#23

Bromochloromethane

Concen: 3.116 ug/L

RT: 7.35 min Scan# 920

Delta R.T. 0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Tgt Ion: 128 Resp: 3350

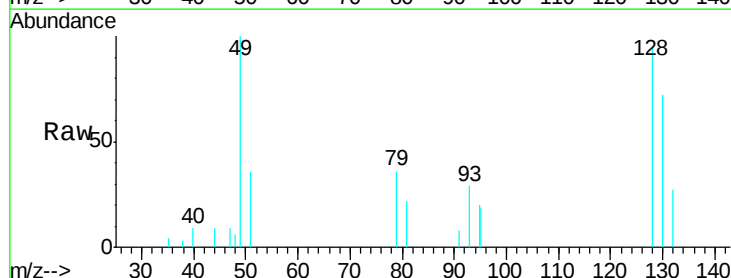
Ion Ratio Lower Upper

128 100

49 105.0 116.6 216.5#

130 75.2 85.4 158.6#

51 38.2 41.1 61.7#

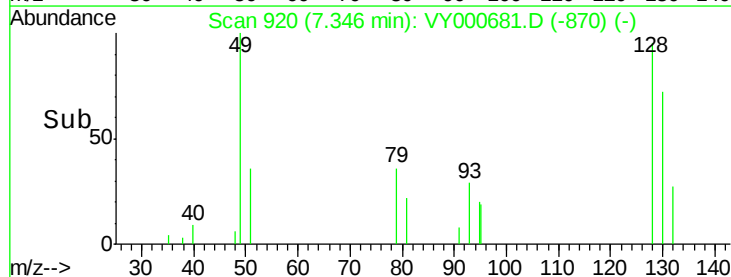
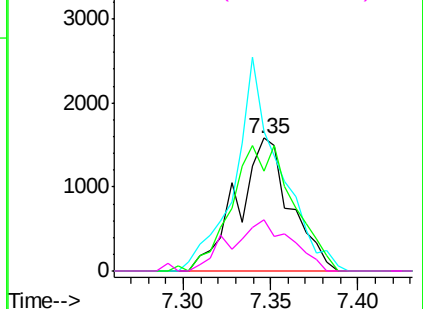


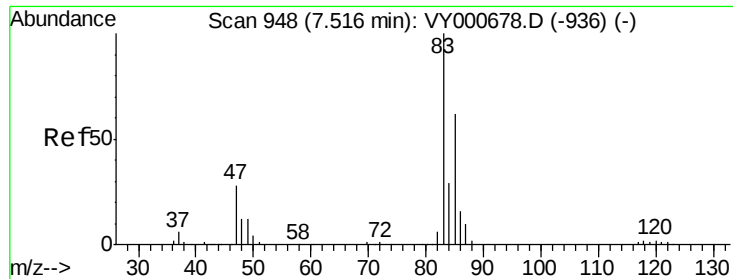
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VY0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VY0

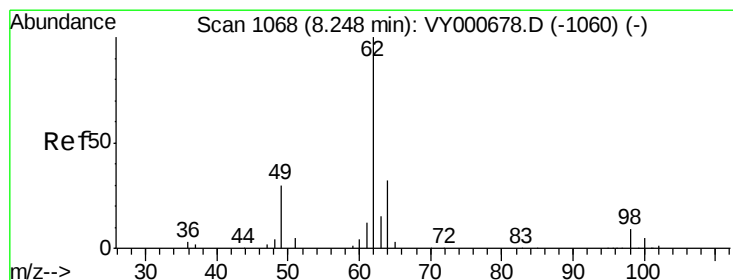
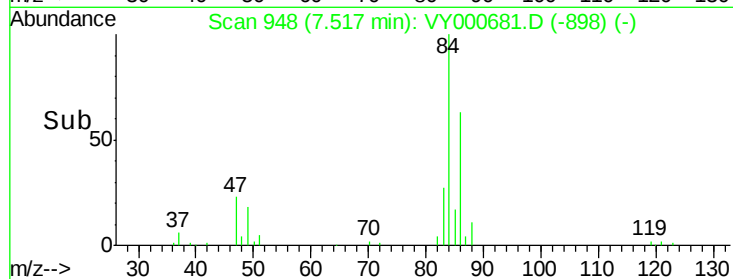
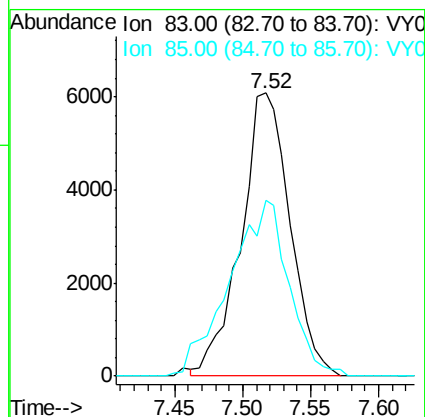
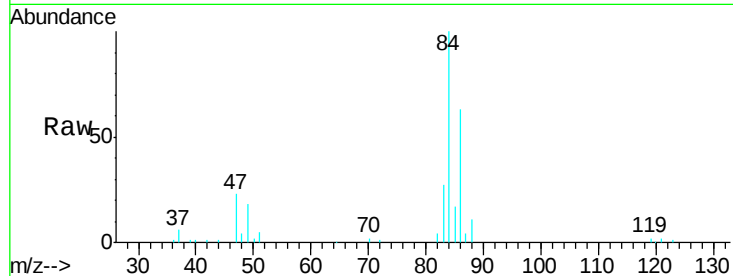




#25
Chloroform
Concen: 3.593 ug/L
RT: 7.52 min Scan# 948
Delta R.T. 0.01 min
Lab File: VY000681.D
Acq: 14 Nov 2019 19:20

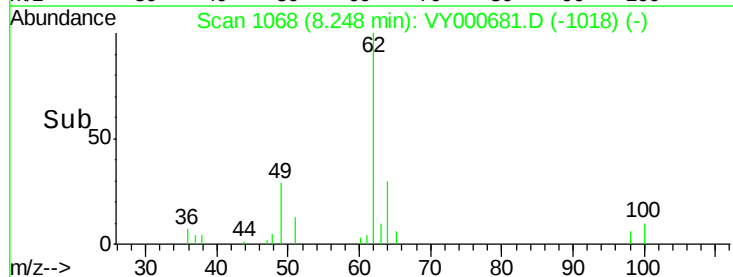
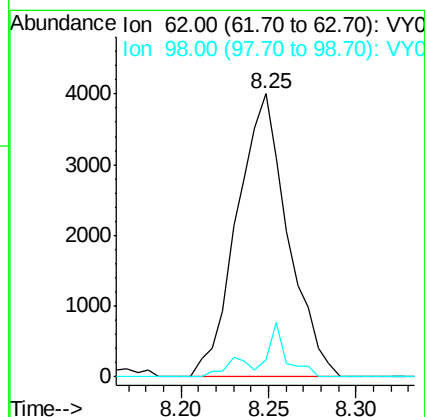
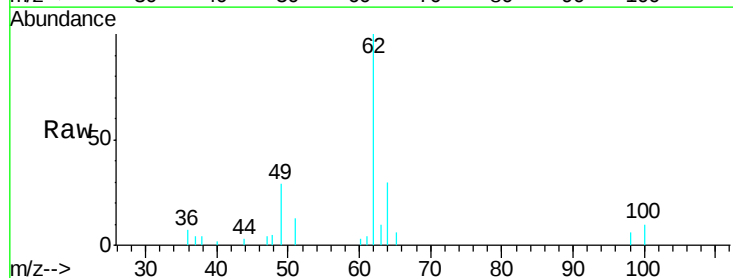
Instrument :
MSVOA_Y
ClientSampled :
MDL2

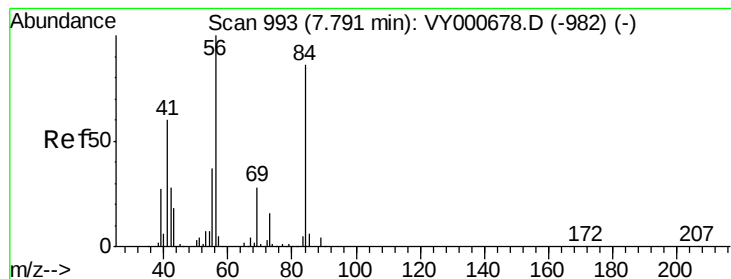
Tgt Ion: 83 Resp: 15386
Ion Ratio Lower Upper
83 100
85 62.4 43.1 80.1



#27
1,2-Dichloroethane
Concen: 2.765 ug/L
RT: 8.25 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VY000681.D
Acq: 14 Nov 2019 19:20

Tgt Ion: 62 Resp: 8085
Ion Ratio Lower Upper
62 100
98 5.9 7.1 10.7#





#29

Cyclohexane

Concen: 1.851 ug/L

RT: 7.79 min Scan# 993

Delta R.T. 0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

ClientSampled :

MDL2

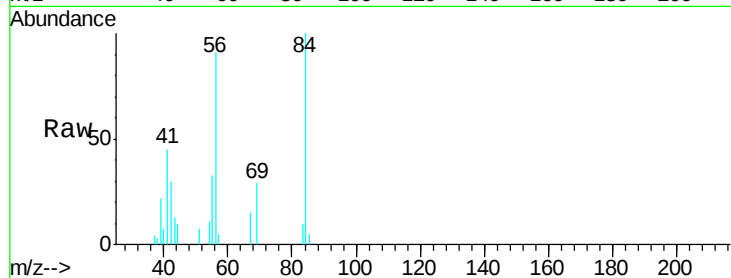
Tgt Ion: 56 Resp: 5991

Ion Ratio Lower Upper

56 100

69 27.6 24.4 36.6

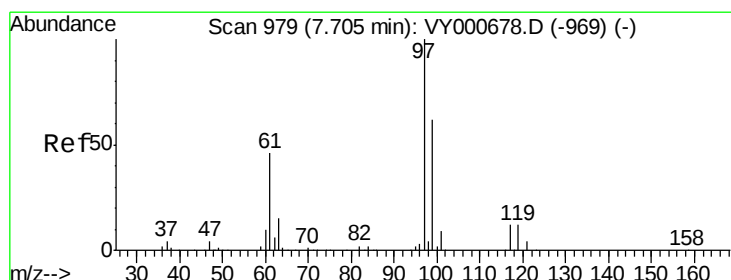
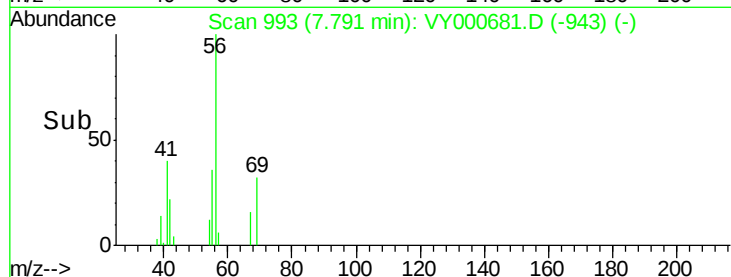
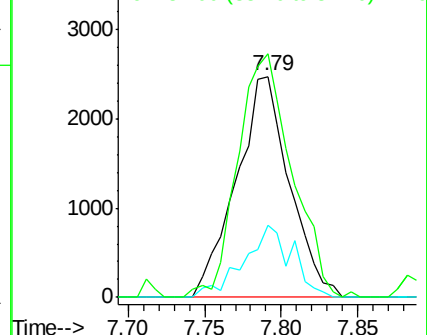
84 109.9 71.4 107.2#



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: 1.212 ug/L

RT: 7.70 min Scan# 978

Delta R.T. -0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

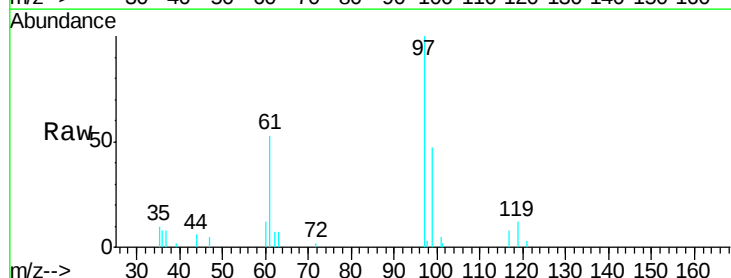
Tgt Ion: 97 Resp: 3669

Ion Ratio Lower Upper

97 100

99 0.5 52.2 78.2#

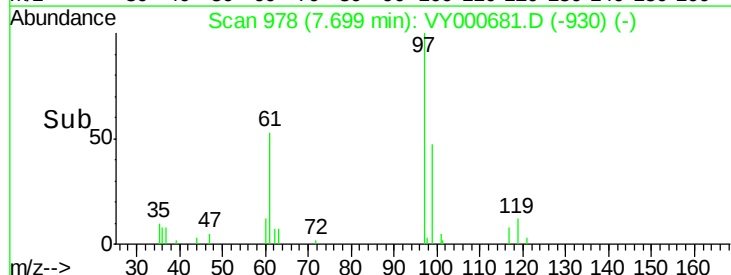
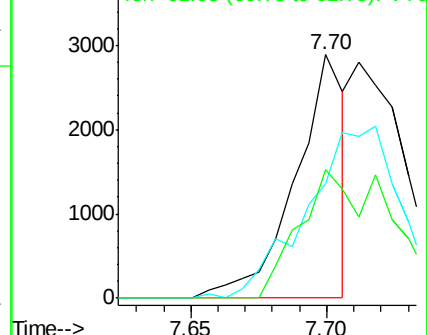
61 59.0 35.0 52.4#

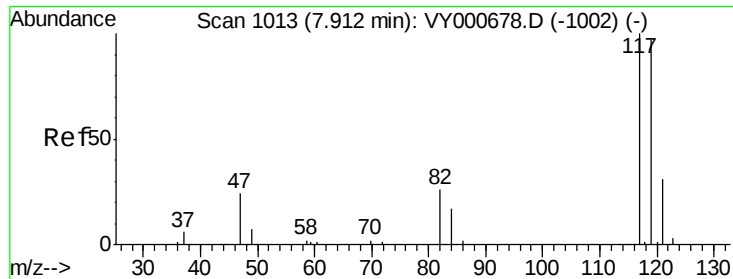


Abundance Ion 97.00 (96.70 to 97.70): VY0

Ion 99.00 (98.70 to 99.70): VY0

Ion 61.05 (60.75 to 61.75): VY0





#31

Carbon tetrachloride

Concen: 2.145 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

ClientSampled :

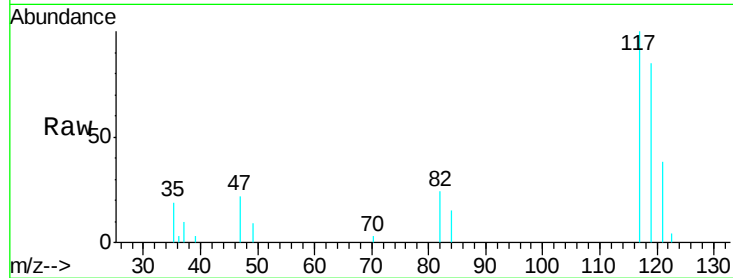
MDL2

Tgt Ion: 117 Resp: 5815

Ion Ratio Lower Upper

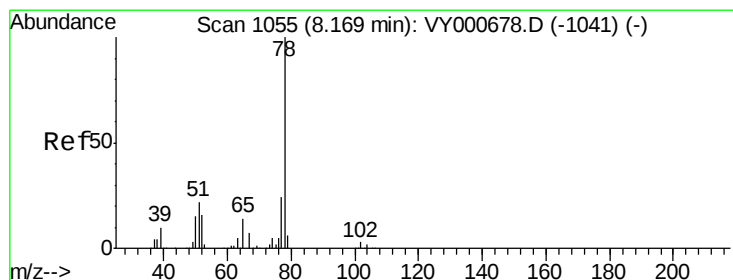
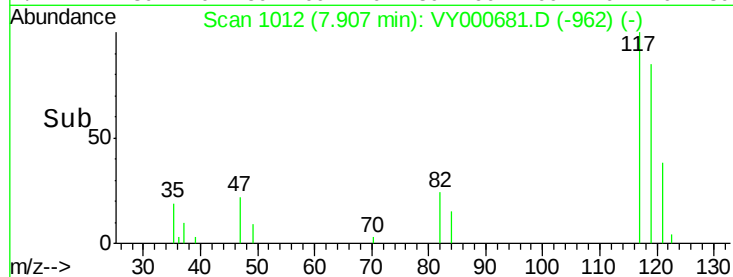
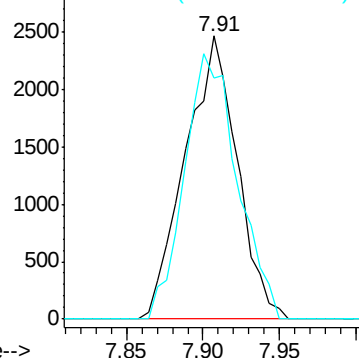
117 100

119 95.3 75.5 113.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.565 ug/L

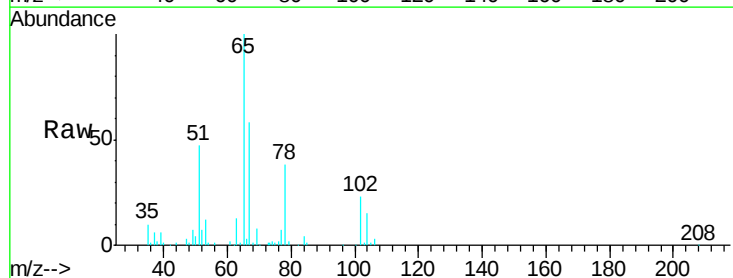
RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

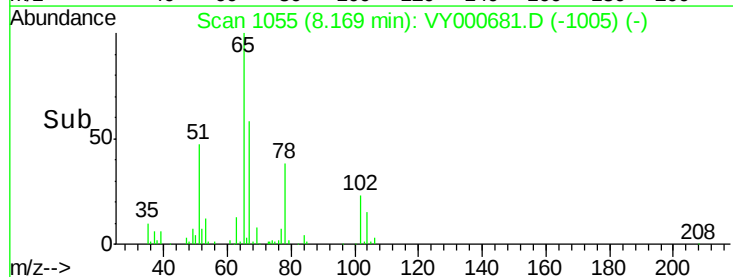
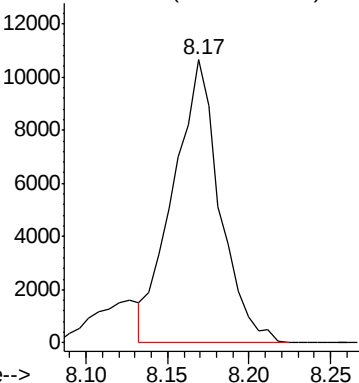
Lab File: VY000681.D

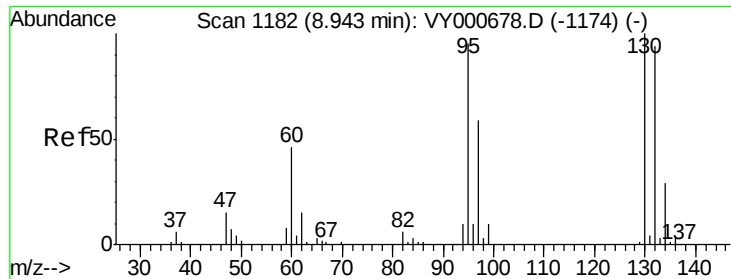
Acq: 14 Nov 2019 19:20

Tgt Ion: 78 Resp: 21181



Abundance Ion 78.00 (77.70 to 78.70): VY0

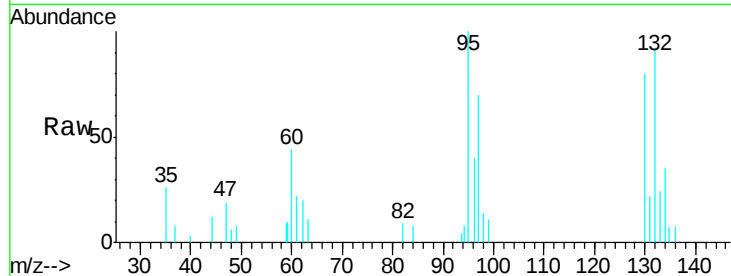




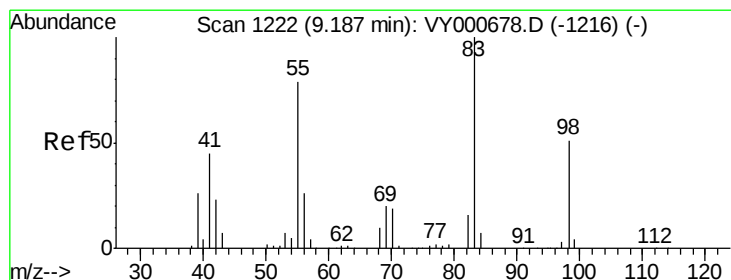
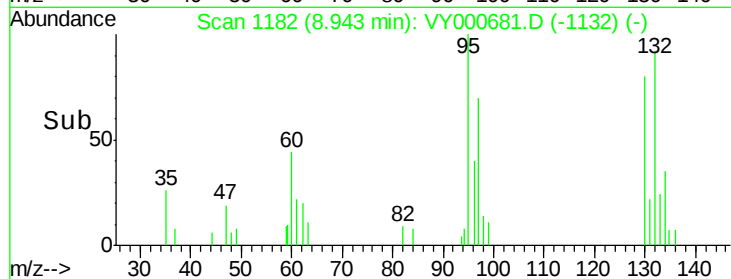
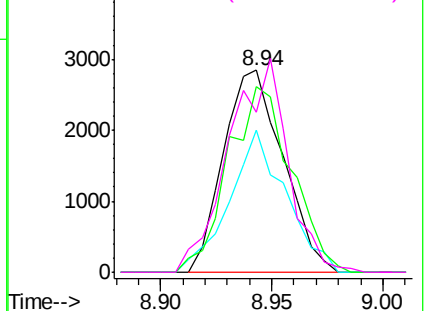
#34
 Trichloroethene
 Concen: 2.557 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VY000681.D
 Acq: 14 Nov 2019 19:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

Tgt Ion:	95	Resp:	5303
Ion	Ratio	Lower	Upper
95	100		
97	70.5	43.8	81.3
132	91.7	67.8	126.0
130	79.5	71.9	133.5

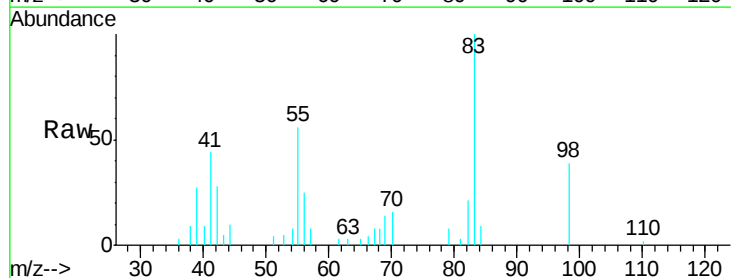


Abundance Ion 95.00 (94.70 to 95.70): VY0
 Ion 97.00 (96.70 to 97.70): VY0
 Ion 132.00 (131.70 to 132.70): VY0
 Ion 130.00 (129.70 to 130.70): VY0

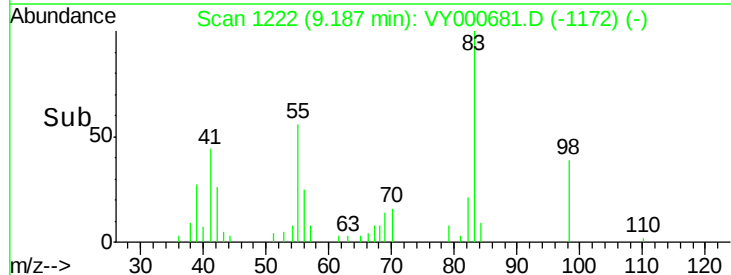
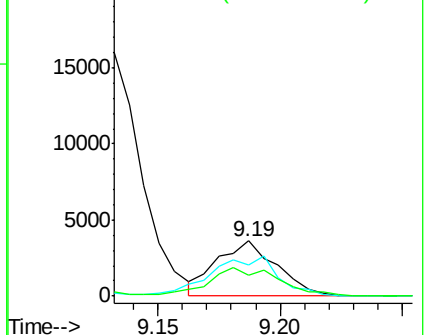


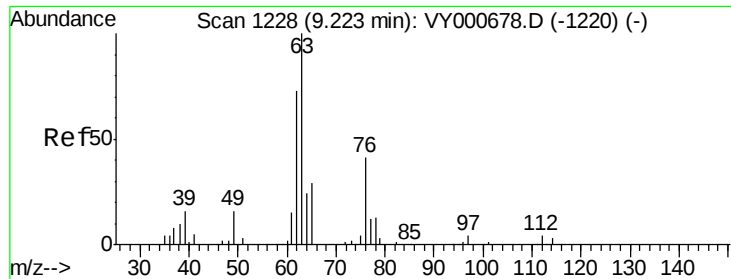
#35
 Methylcyclohexane
 Concen: 1.794 ug/L
 RT: 9.19 min Scan# 1222
 Delta R.T. 0.01 min
 Lab File: VY000681.D
 Acq: 14 Nov 2019 19:20

Tgt Ion:	83	Resp:	6140
Ion	Ratio	Lower	Upper
83	100		
55	48.1	60.4	90.6#
98	61.9	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

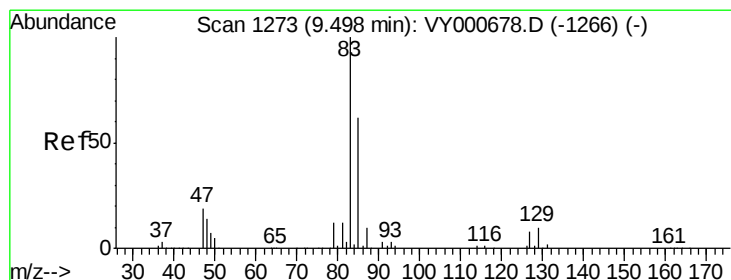
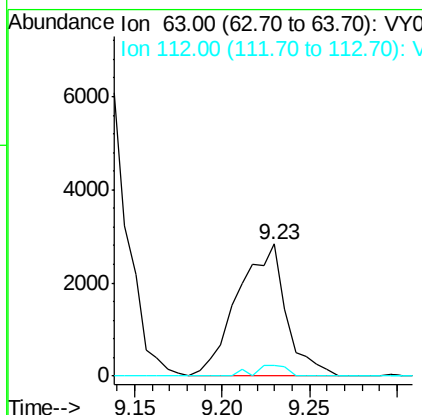
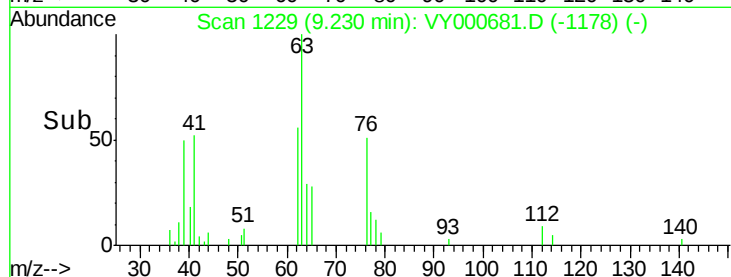
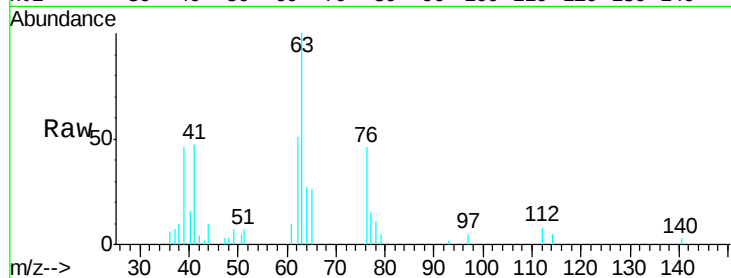




#37
 1,2-Dichloropropane
 Concen: 2.688 ug/L
 RT: 9.23 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VY000681.D
 Acq: 14 Nov 2019 19:20

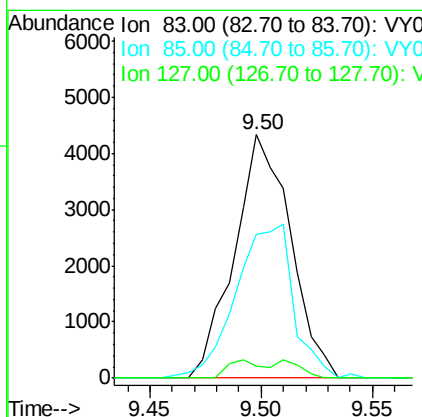
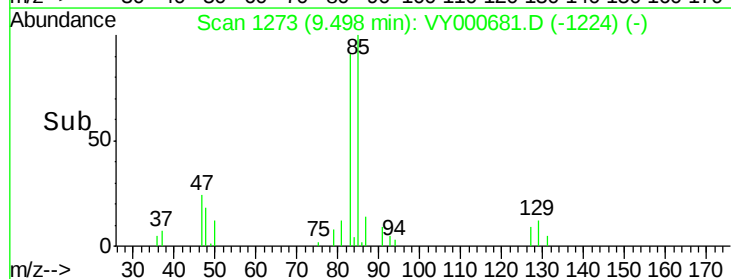
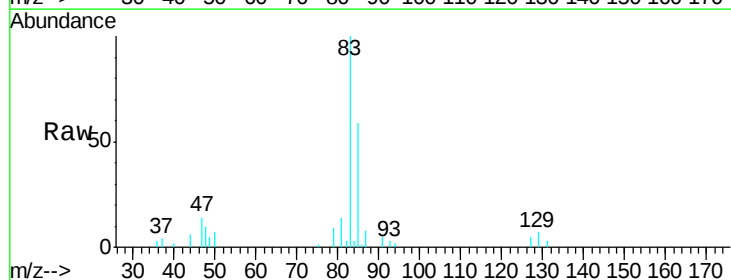
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL2

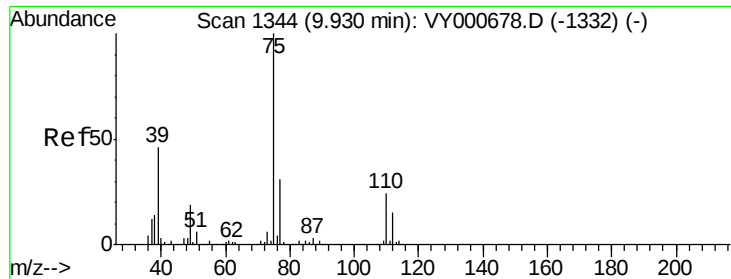
Tgt Ion: 63 Resp: 5507
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.8 5.6



#38
 Bromodichloromethane
 Concen: 2.766 ug/L
 RT: 9.50 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VY000681.D
 Acq: 14 Nov 2019 19:20

Tgt Ion: 83 Resp: 7612
 Ion Ratio Lower Upper
 83 100
 85 59.0 42.2 78.4
 127 5.1 6.4 9.6#



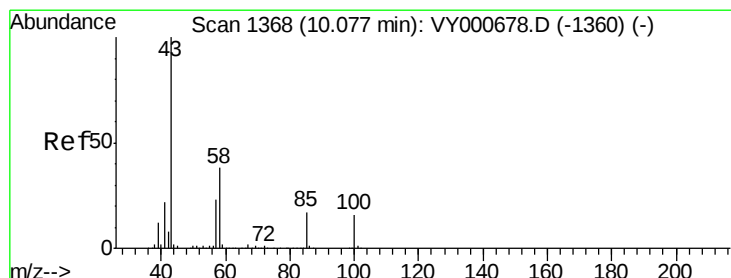
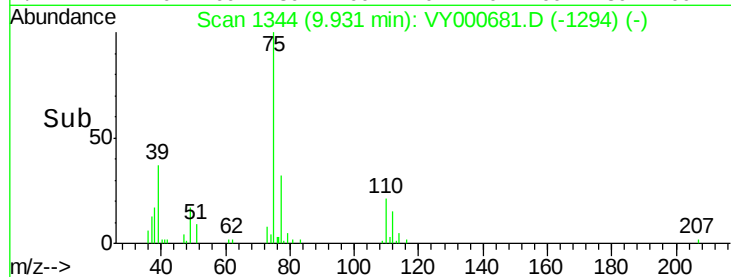
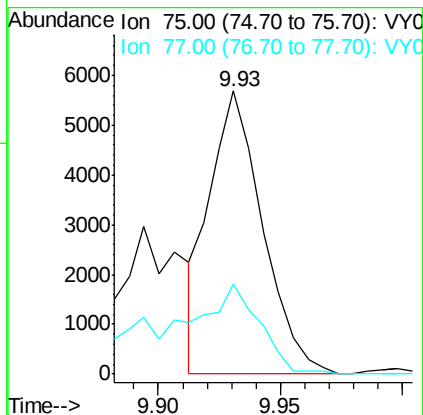
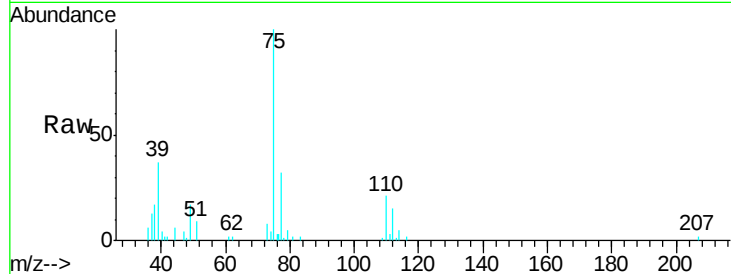


#39

cis-1,3-Dichloropropene
 Concen: 2.464 ug/L
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.01 min
 Lab File: VY000681.D
 Acq: 14 Nov 2019 19:20

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL2

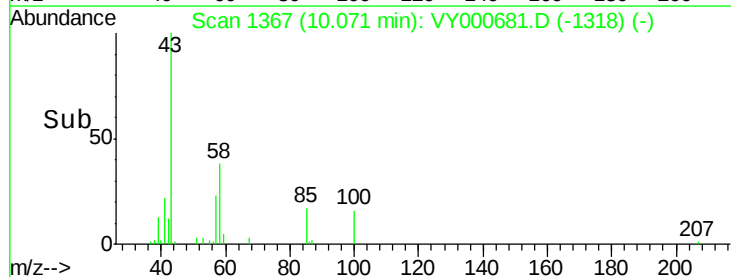
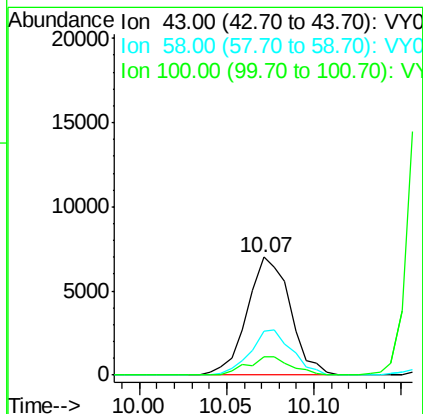
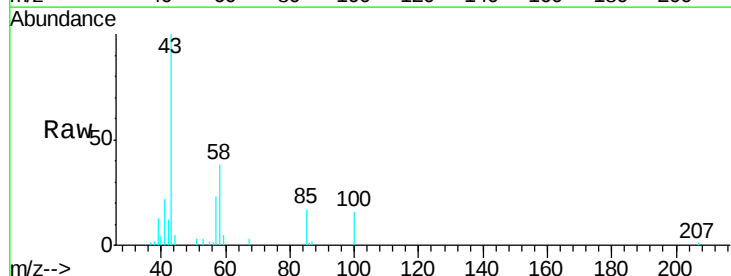
Tgt Ion: 75 Resp: 8578
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.7 40.3

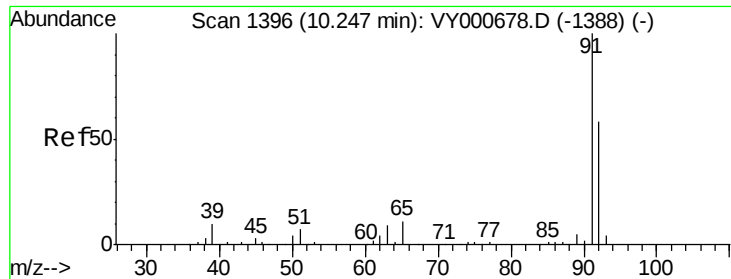


#40

4-Methyl-2-pentanone
 Concen: 5.123 ug/L
 RT: 10.07 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VY000681.D
 Acq: 14 Nov 2019 19:20

Tgt Ion: 43 Resp: 12039
 Ion Ratio Lower Upper
 43 100
 58 37.0 30.2 45.2
 100 16.1 12.2 18.2





#42

Toluene

Concen: 2.430 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

ClientSampled :

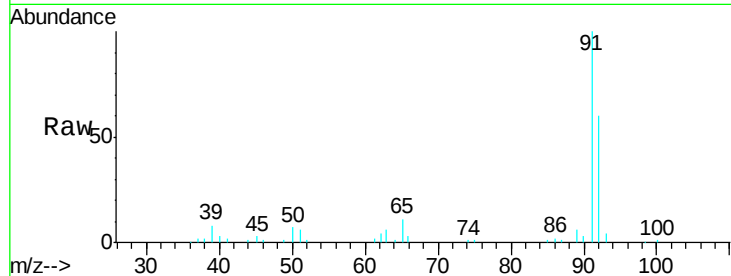
MDL2

Tgt Ion: 91 Resp: 21244

Ion Ratio Lower Upper

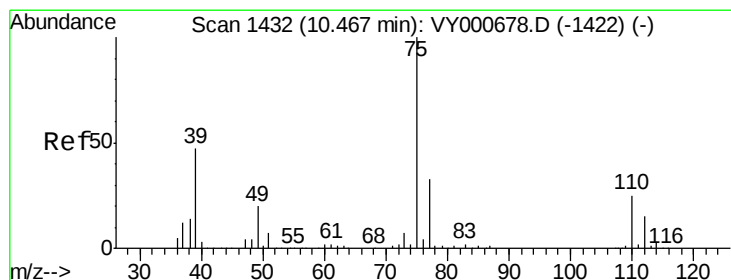
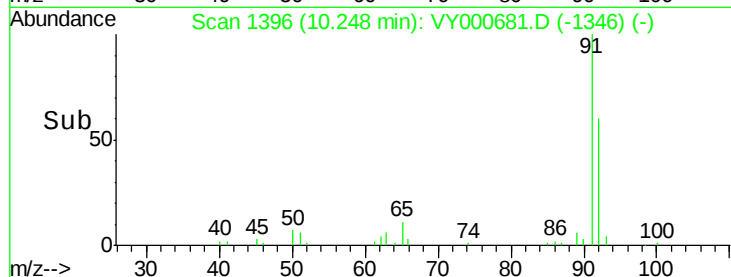
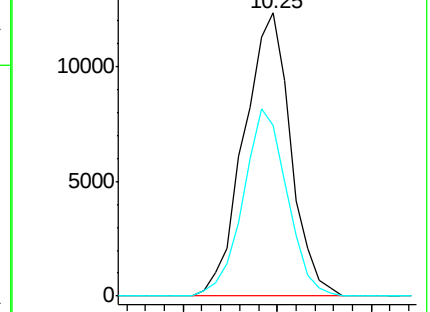
91 100

92 60.3 42.2 78.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0



#44

trans-1,3-Dichloropropene

Concen: 3.480 ug/L

RT: 10.46 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VY000681.D

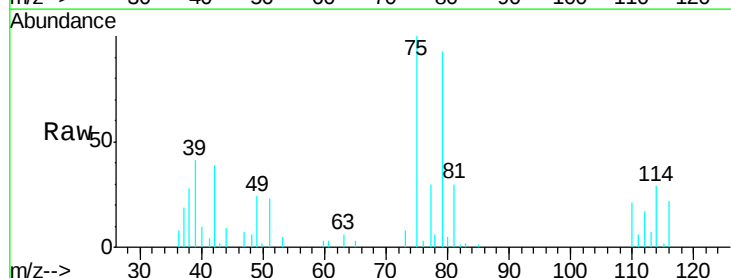
Acq: 14 Nov 2019 19:20

Tgt Ion: 75 Resp: 10606

Ion Ratio Lower Upper

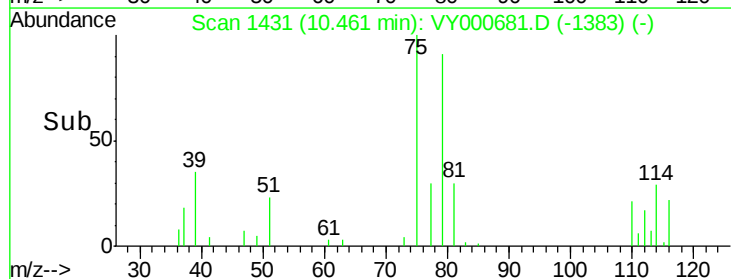
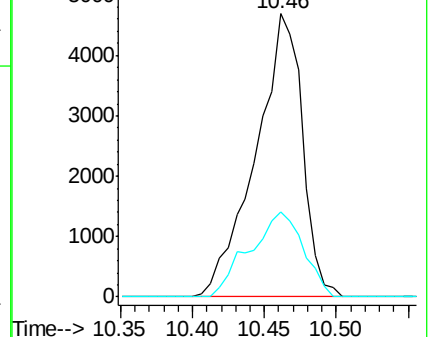
75 100

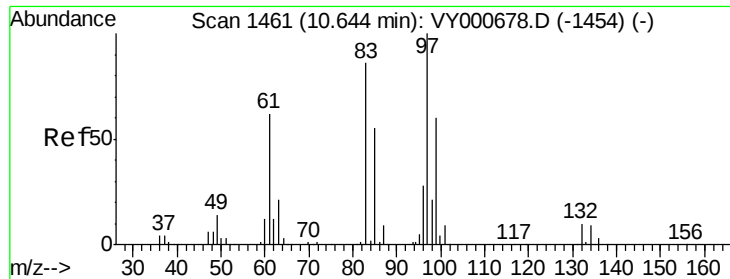
77 30.1 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

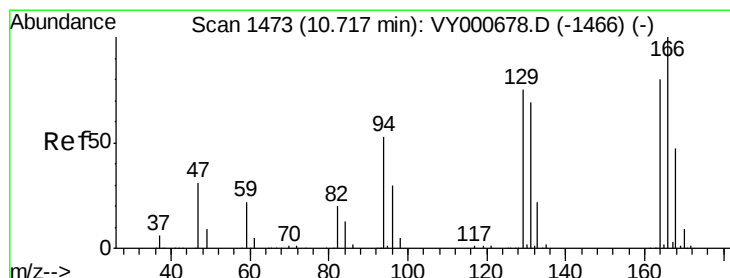
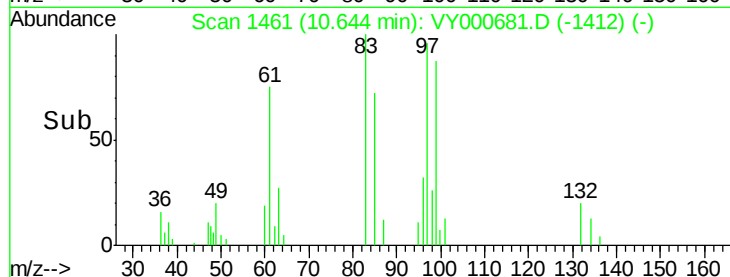
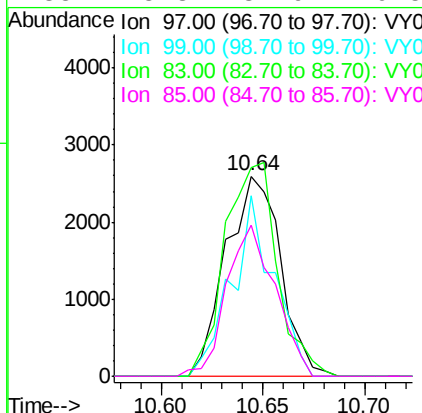
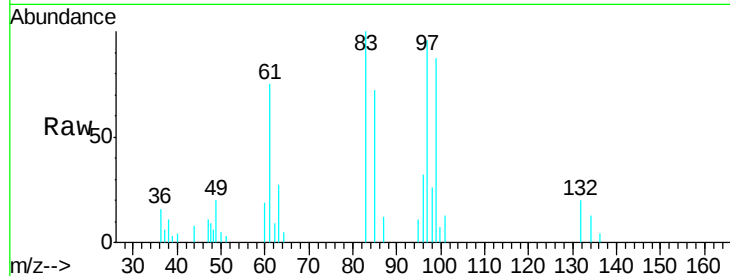




#45
 1,1,2-Trichloroethane
 Concen: 2.479 ug/L
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY000681.D
 Acq: 14 Nov 2019 19:20

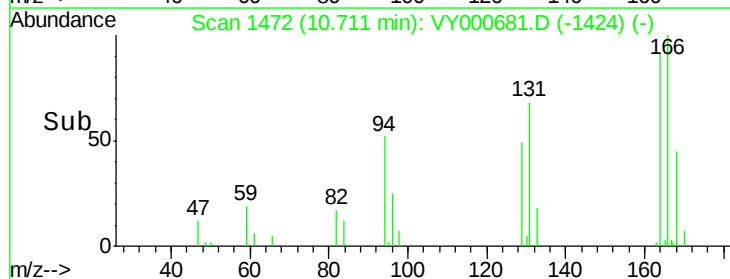
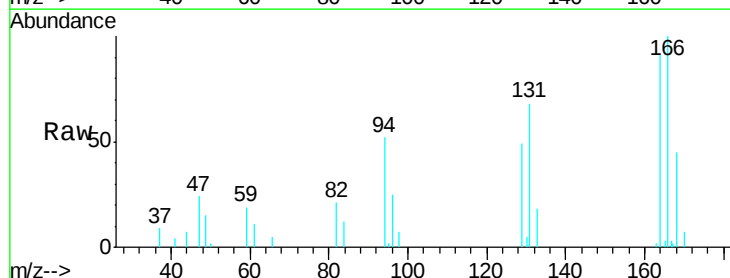
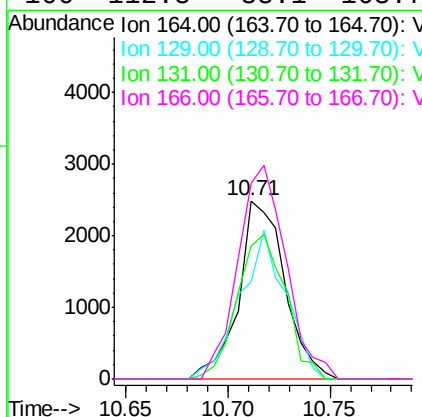
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL2

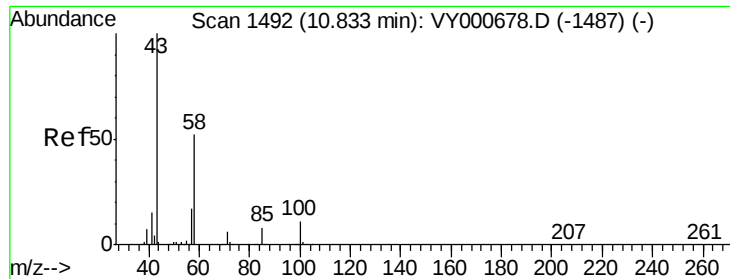
Tgt Ion: 97 Resp: 4819
 Ion Ratio Lower Upper
 97 100
 99 90.3 40.6 75.4#
 83 104.1 60.0 111.4
 85 75.3 37.9 70.5#



#46
 Tetrachloroethene
 Concen: 2.439 ug/L
 RT: 10.71 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: VY000681.D
 Acq: 14 Nov 2019 19:20

Tgt Ion: 164 Resp: 3914
 Ion Ratio Lower Upper
 164 100
 129 54.3 65.5 121.7#
 131 74.4 60.1 111.7
 166 112.8 88.1 163.7

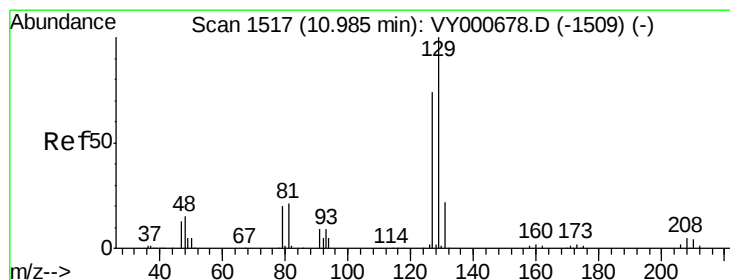
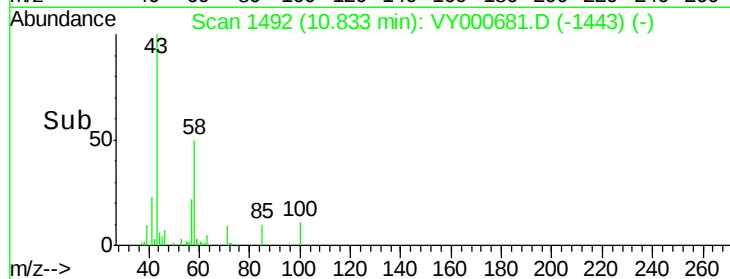
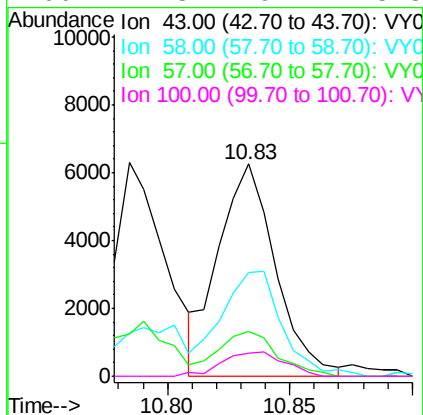
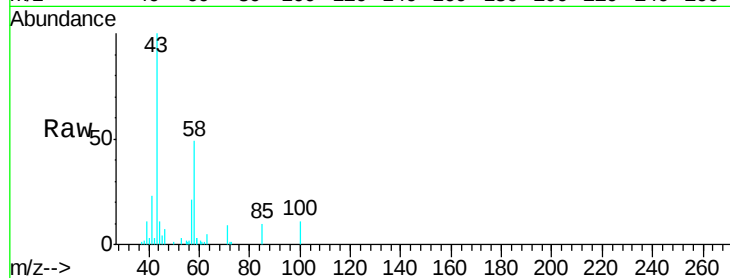




#48
2-Hexanone
Concen: 5.970 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000681.D
Acq: 14 Nov 2019 19:20

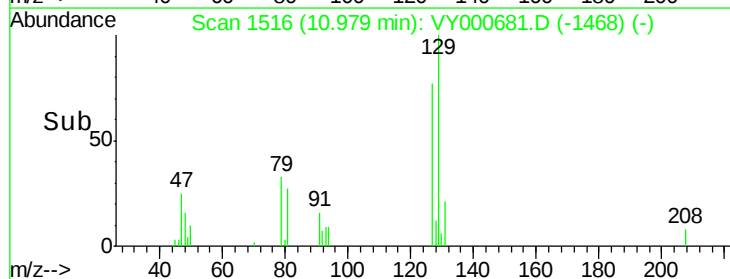
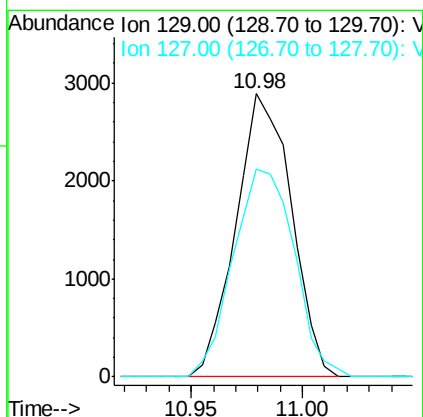
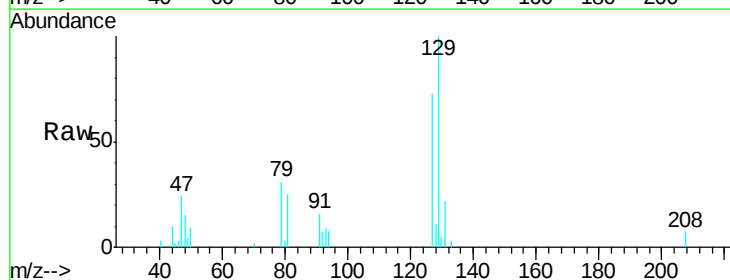
Instrument :
MSVOA_Y
ClientSampled :
MDL2

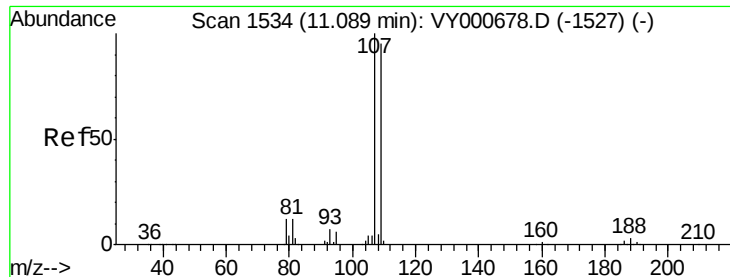
Tgt Ion: 43 Resp: 10130
Ion Ratio Lower Upper
43 100
58 50.5 42.3 63.5
57 22.1 13.8 20.6#
100 12.3 9.2 13.8



#49
Dibromochloromethane
Concen: 2.378 ug/L
RT: 10.98 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VY000681.D
Acq: 14 Nov 2019 19:20

Tgt Ion: 129 Resp: 5006
Ion Ratio Lower Upper
129 100
127 73.4 55.9 103.7

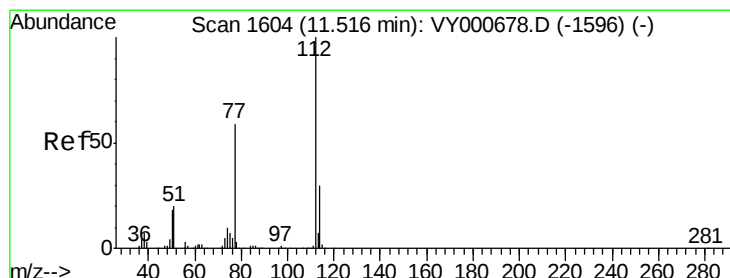
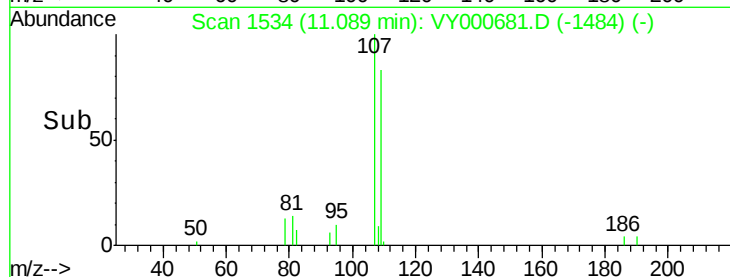
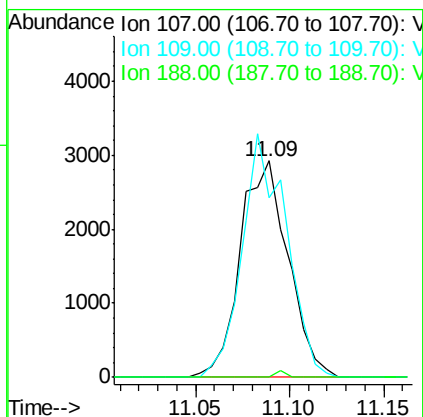
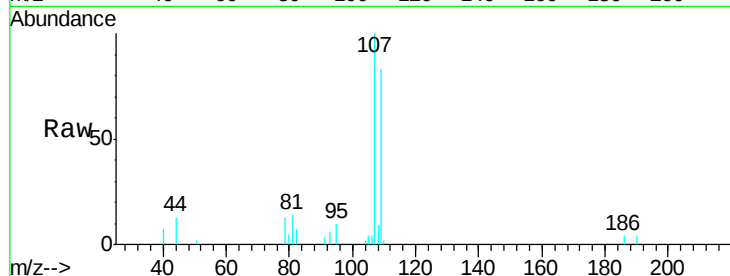




#50
1,2-Dibromoethane
Concen: 2.645 ug/L
RT: 11.09 min Scan# 1534
Delta R.T. 0.01 min
Lab File: VY000681.D
Acq: 14 Nov 2019 19:20

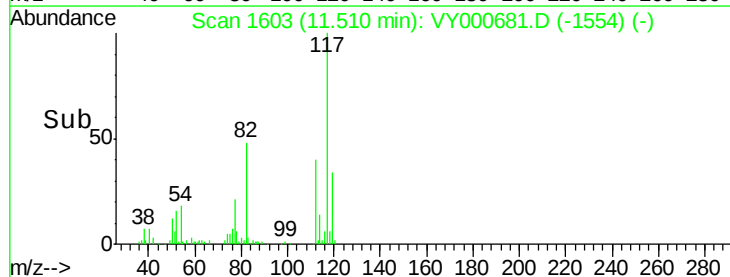
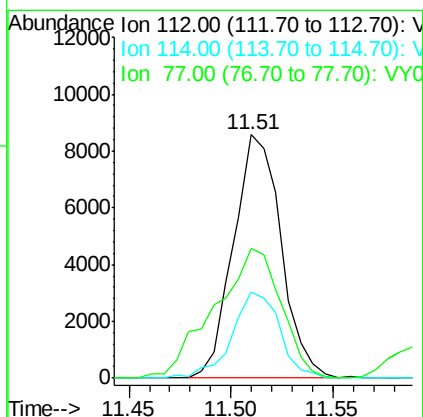
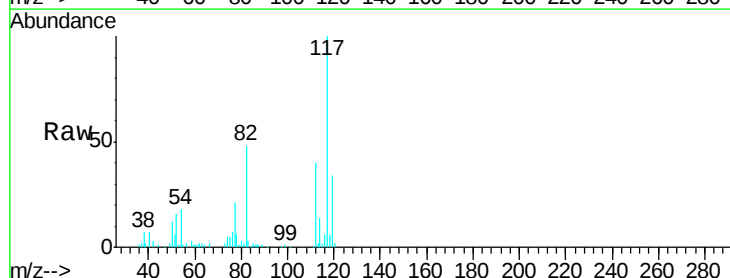
Instrument :
MSVOA_Y
ClientSampleId :
MDL2

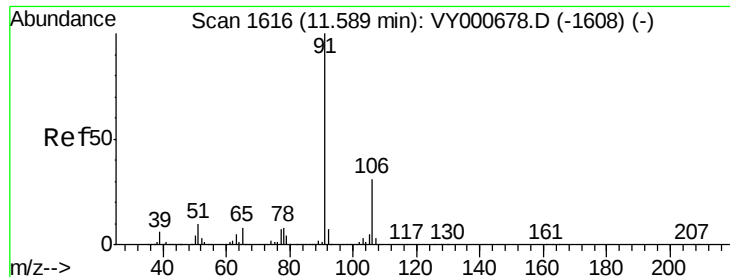
Tgt Ion:107 Resp: 5145
Ion Ratio Lower Upper
107 100
109 83.1 62.9 116.9
188 0.0 2.4 3.6#



#51
Chlorobenzene
Concen: 2.469 ug/L
RT: 11.51 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VY000681.D
Acq: 14 Nov 2019 19:20

Tgt Ion:112 Resp: 13905
Ion Ratio Lower Upper
112 100
114 35.4 23.3 43.3
77 53.4 46.5 69.7





#52

Ethylbenzene

Concen: 2.185 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

ClientSampled :

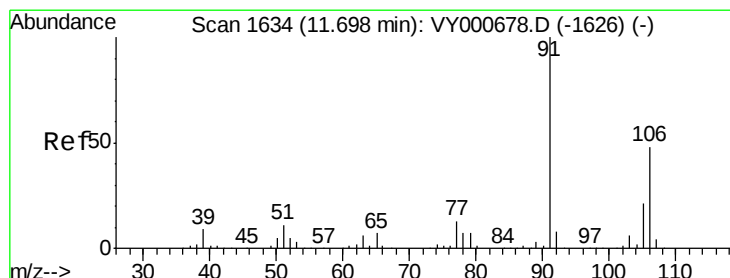
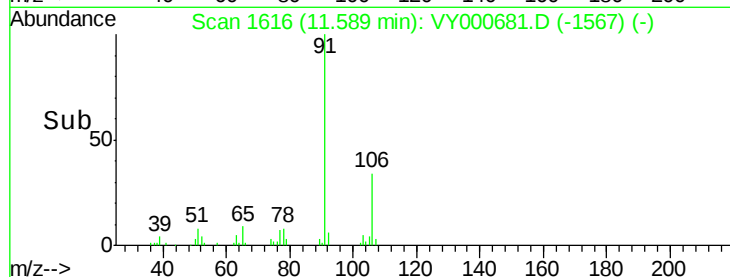
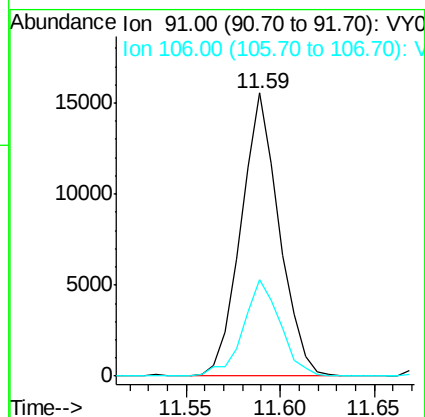
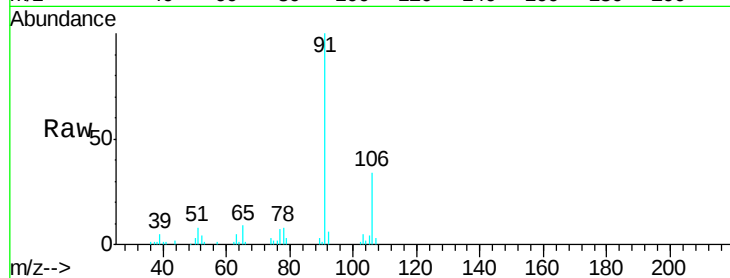
MDL2

Tgt Ion: 91 Resp: 21797

Ion Ratio Lower Upper

91 100

106 34.1 21.8 40.6



#53

m,p-Xylene

Concen: 2.168 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY000681.D

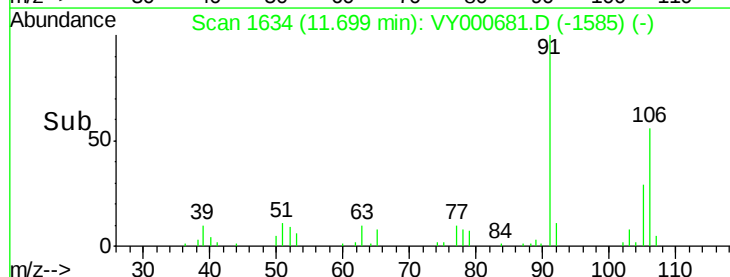
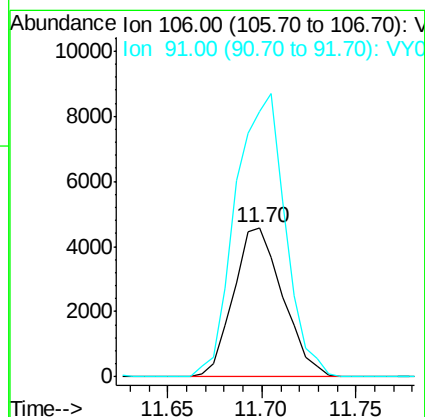
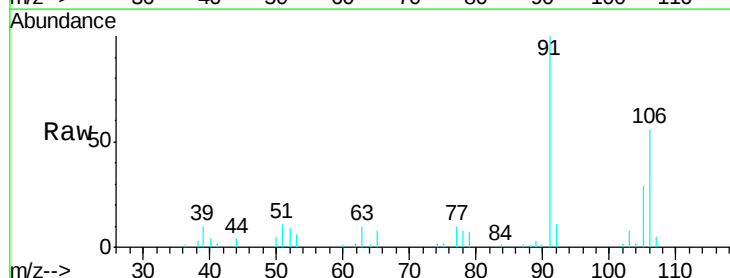
Acq: 14 Nov 2019 19:20

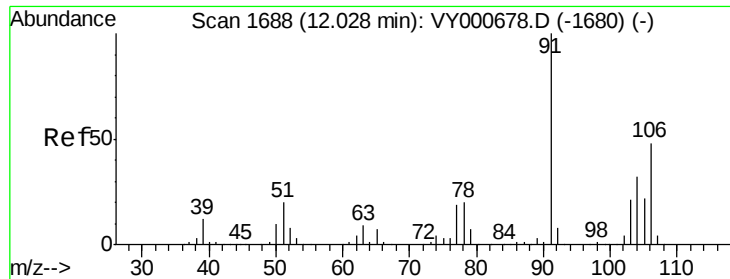
Tgt Ion: 106 Resp: 8318

Ion Ratio Lower Upper

106 100

91 177.3 137.6 255.6

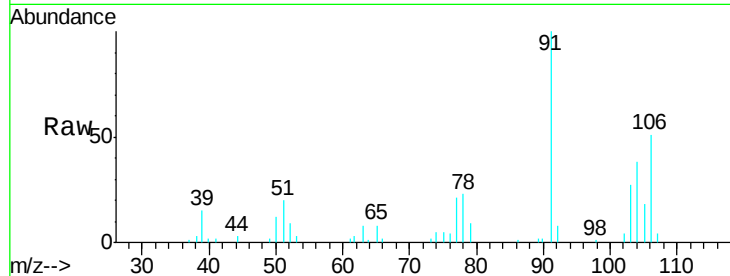




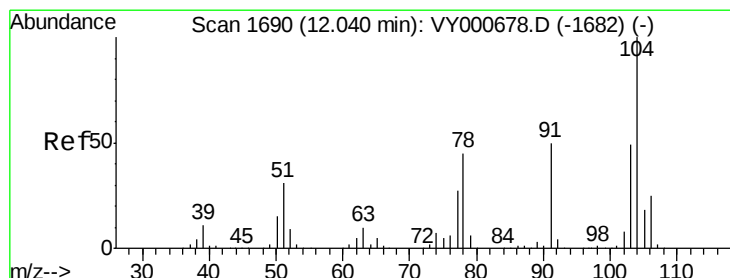
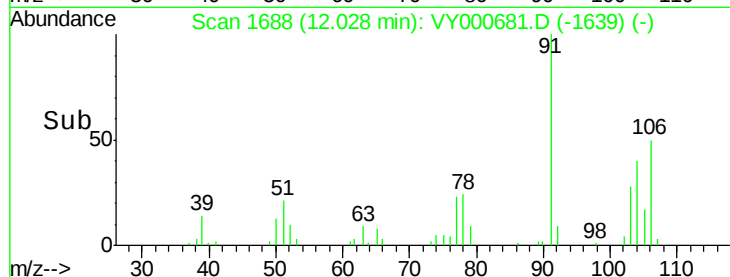
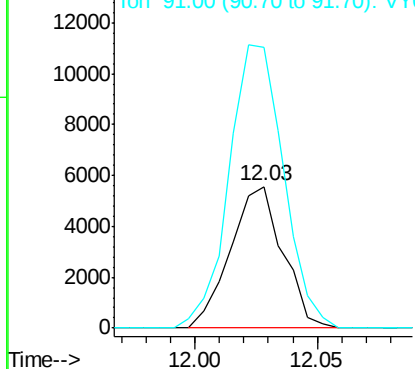
#54
o-xylene
Concen: 2.221 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000681.D
Acq: 14 Nov 2019 19:20

Instrument :
MSVOA_Y
ClientSampled :
MDL2

Tgt Ion:106 Resp: 8356
Ion Ratio Lower Upper
106 100
91 197.5 145.9 270.9

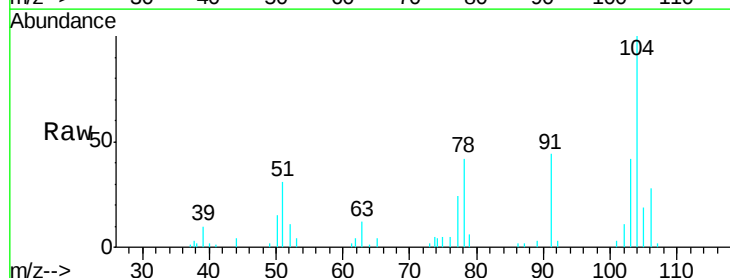


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

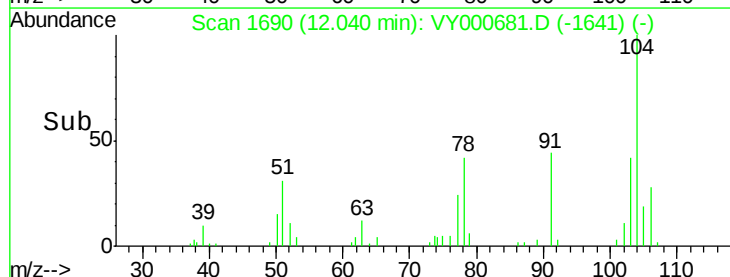
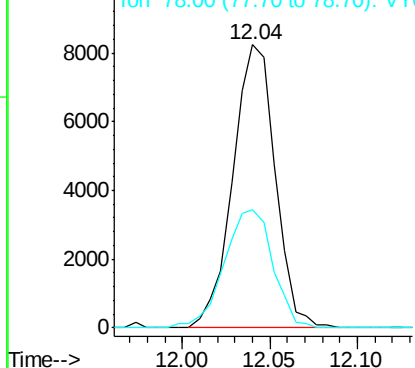


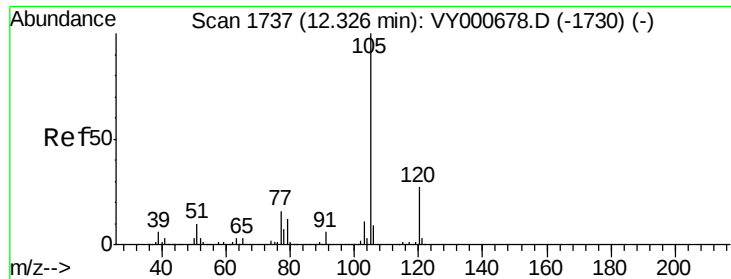
#55
Styrene
Concen: 2.173 ug/L
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY000681.D
Acq: 14 Nov 2019 19:20

Tgt Ion:104 Resp: 13892
Ion Ratio Lower Upper
104 100
78 41.6 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: 2.022 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL2

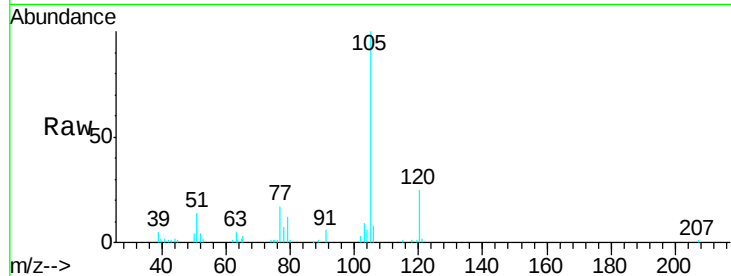
Tgt Ion:105 Resp: 19472

Ion Ratio Lower Upper

105 100

120 25.8 21.4 32.2

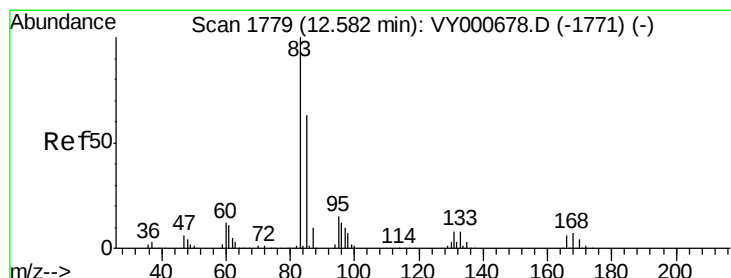
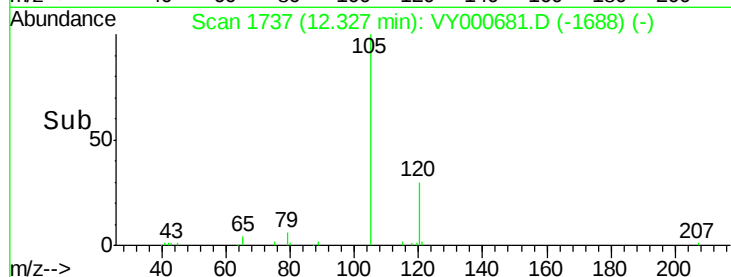
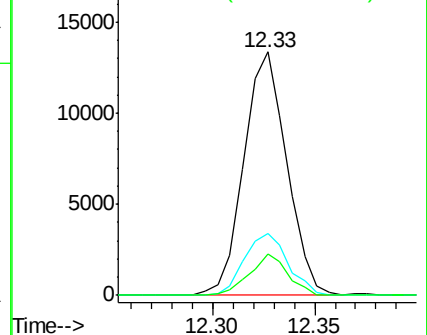
77 15.0 12.9 19.3



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.791 ug/L

RT: 12.58 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

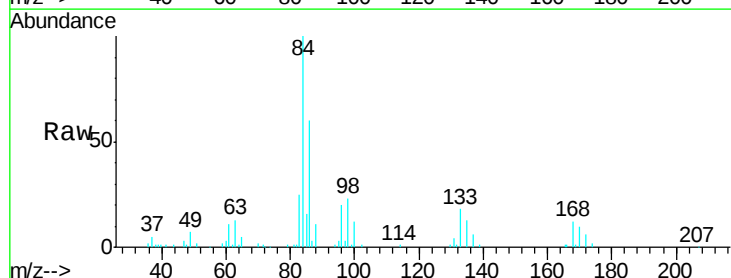
Tgt Ion: 83 Resp: 7672

Ion Ratio Lower Upper

83 100

85 65.7 45.0 83.6

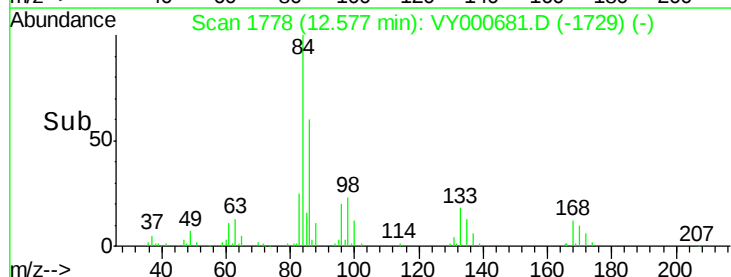
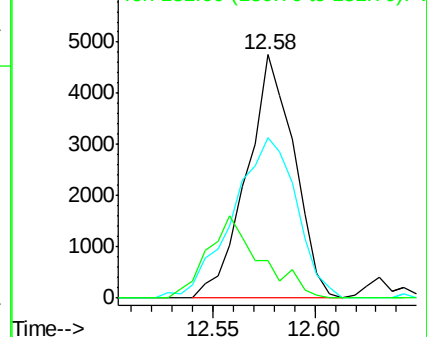
131 15.6 6.6 9.8#

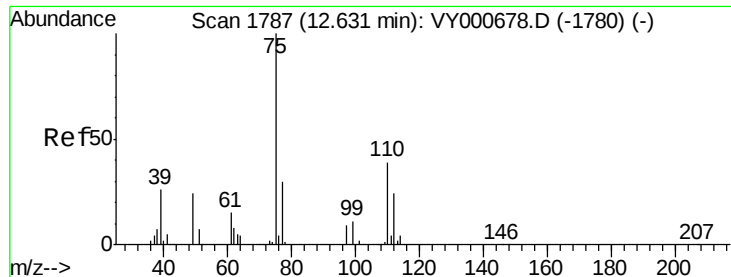


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 131.00 (130.70 to 131.70): V

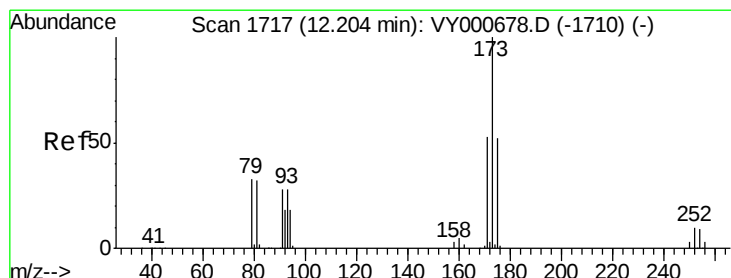
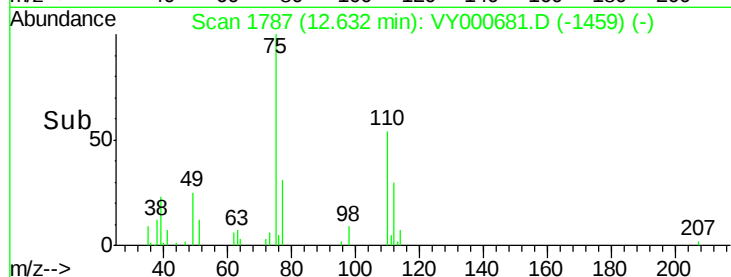
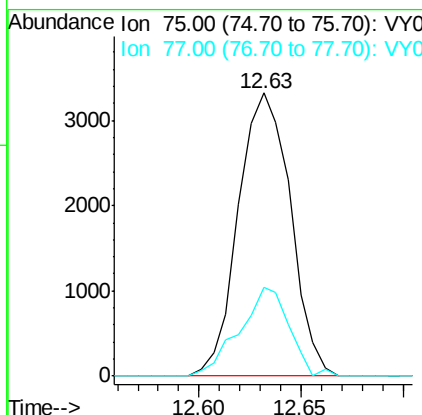
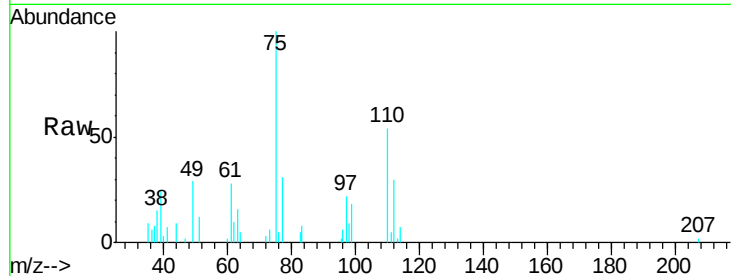




#59
 1,2,3-Trichloropropane
 Concen: 2.711 ug/L
 RT: 12.63 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: VY000681.D
 Acq: 14 Nov 2019 19:20

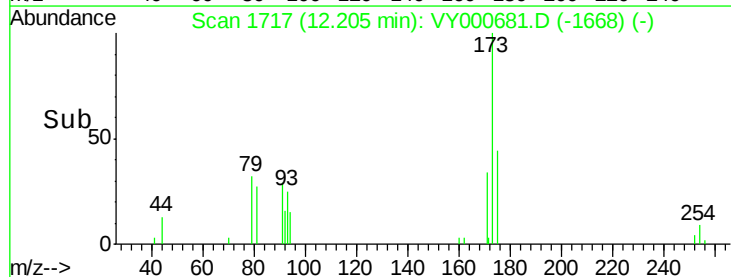
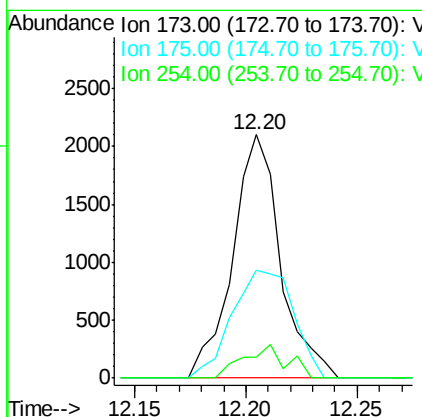
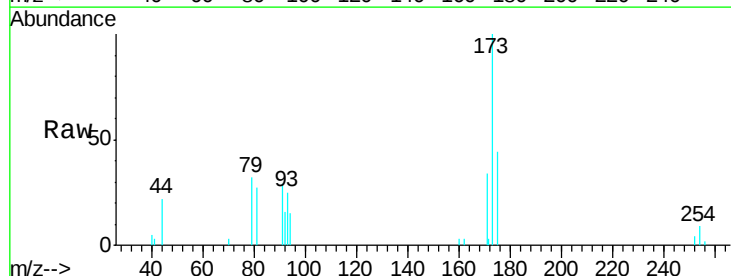
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL2

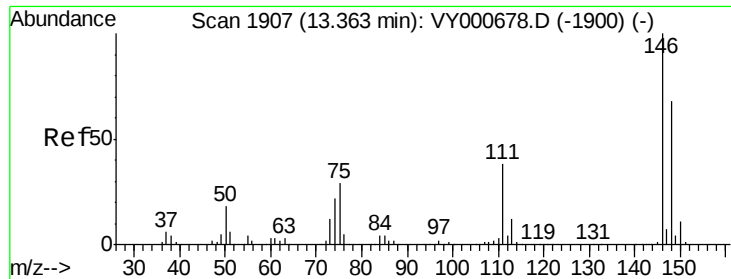
Tgt Ion: 75 Resp: 5897
 Ion Ratio Lower Upper
 75 100
 77 29.3 25.5 38.3



#61
 Bromoform
 Concen: 2.412 ug/L
 RT: 12.20 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: VY000681.D
 Acq: 14 Nov 2019 19:20

Tgt Ion: 173 Resp: 3153
 Ion Ratio Lower Upper
 173 100
 175 56.6 36.6 55.0#
 254 12.1 7.4 11.2#





#62

1,3-Dichlorobenzene

Concen: 2.596 ug/L

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL2

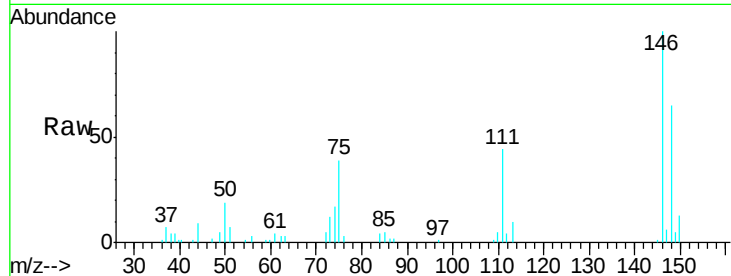
Tgt Ion:146 Resp: 10511

Ion Ratio Lower Upper

146 100

111 43.8 28.4 52.8

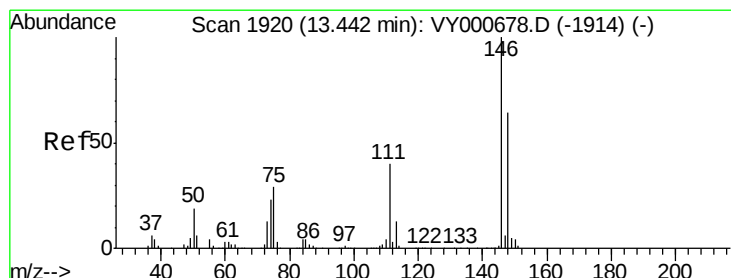
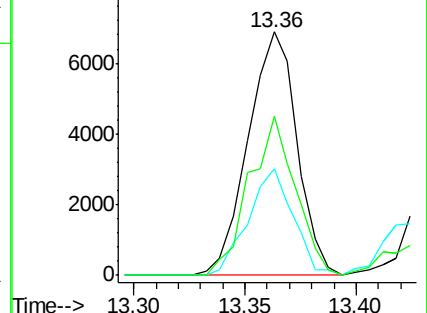
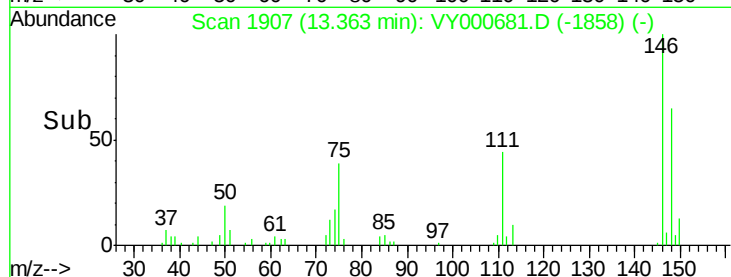
148 65.2 44.1 81.9



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: 2.588 ug/L

RT: 13.44 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

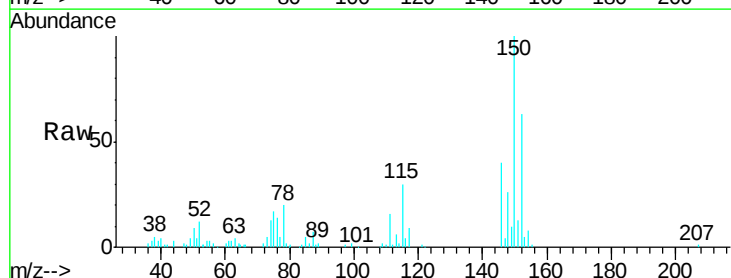
Tgt Ion:146 Resp: 10736

Ion Ratio Lower Upper

146 100

111 40.9 27.4 51.0

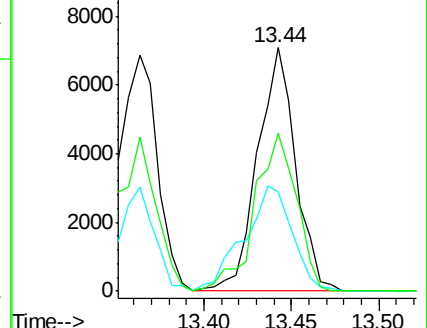
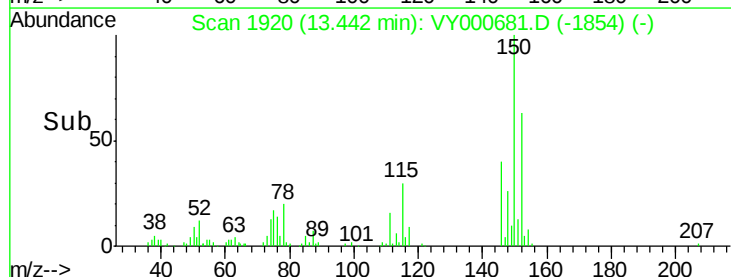
148 65.0 45.2 84.0

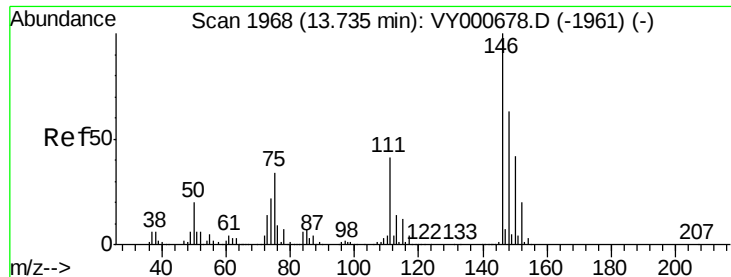


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 2.685 ug/L

RT: 13.73 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

ClientSampled :

MDL2

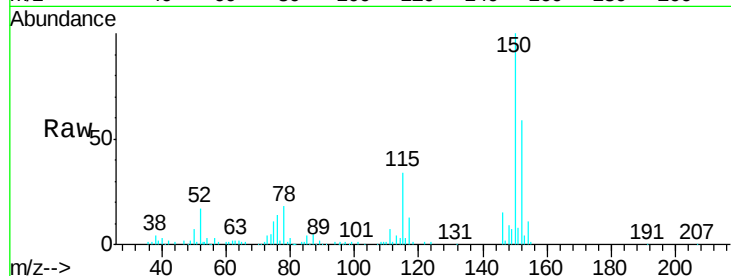
Tgt Ion:146 Resp: 10706

Ion Ratio Lower Upper

146 100

111 46.6 33.4 50.0

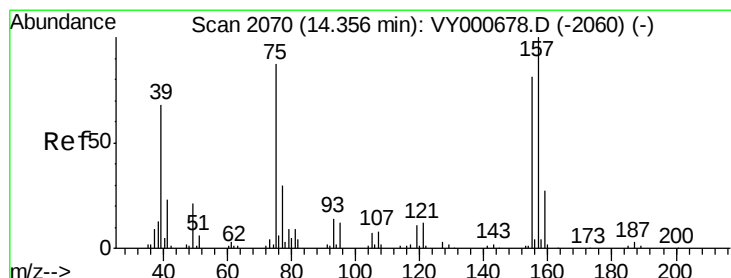
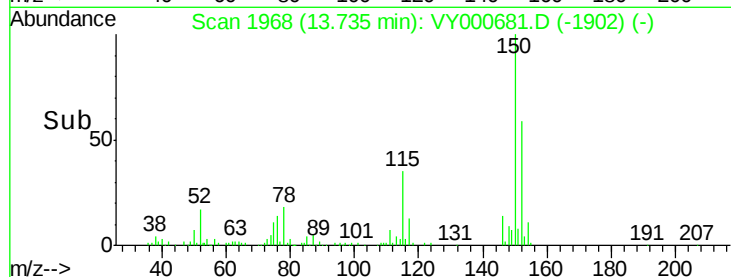
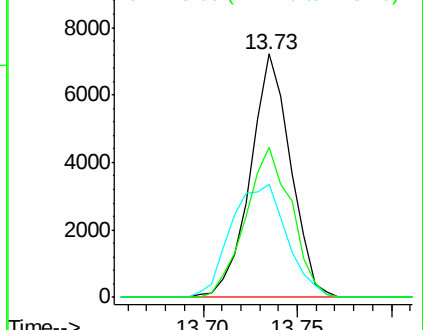
148 61.7 50.8 76.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 3.249 ug/L

RT: 14.35 min Scan# 2069

Delta R.T. -0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

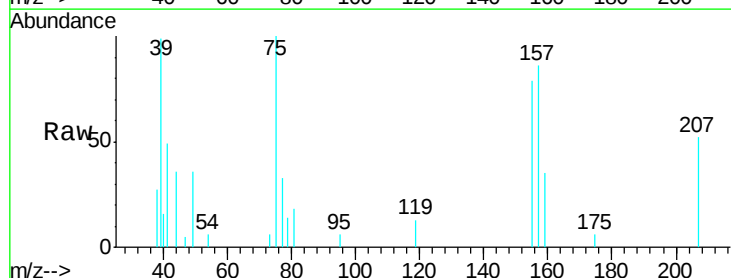
Tgt Ion: 75 Resp: 1565

Ion Ratio Lower Upper

75 100

155 78.8 67.7 101.5

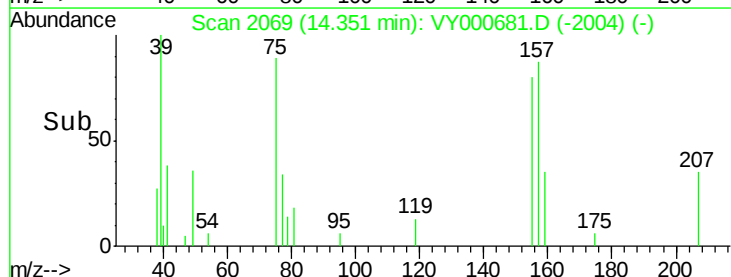
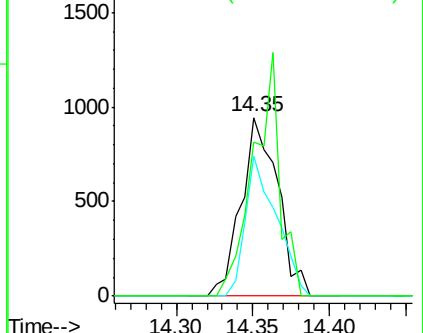
157 86.3 77.8 116.8

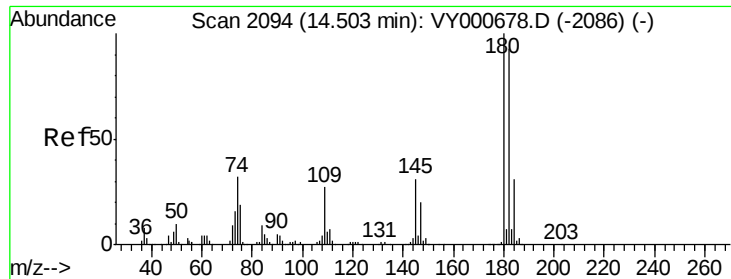


Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

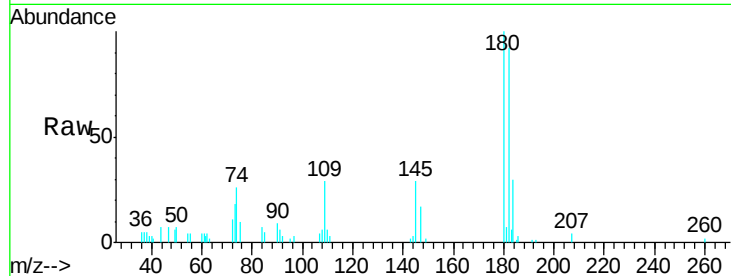




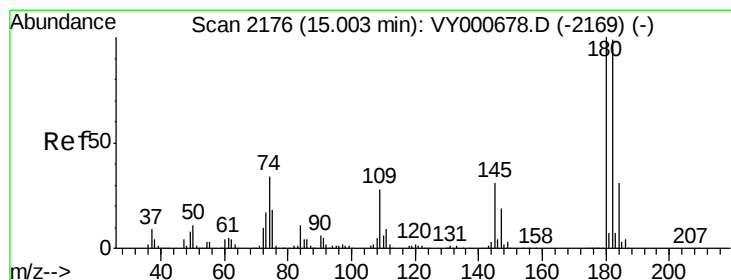
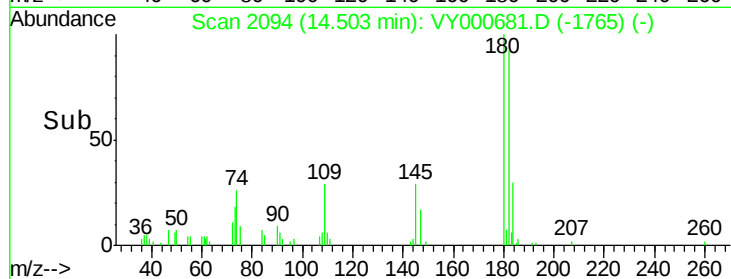
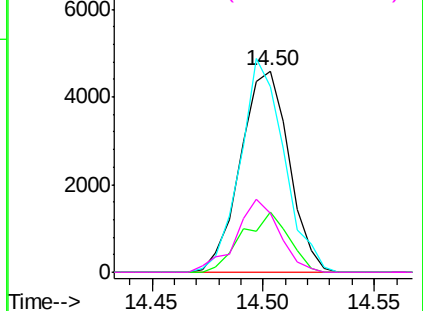
#67
 1,3,5-Trichlorobenzene
 Concen: 2.473 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY000681.D
 Acq: 14 Nov 2019 19:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

Tgt Ion:180 Resp: 6988
 Ion Ratio Lower Upper
 180 100
 182 96.0 77.8 116.6
 184 28.3 25.2 37.8
 145 32.5 24.9 37.3

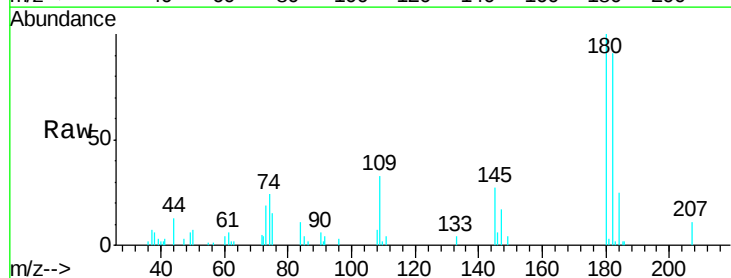


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

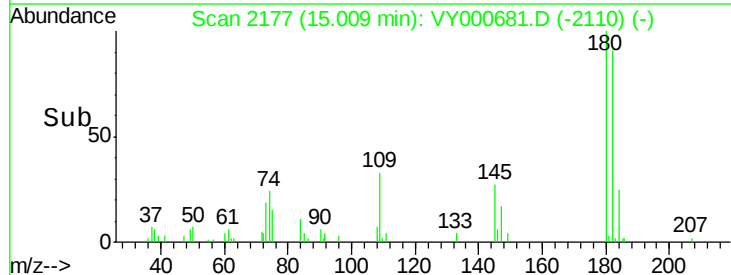
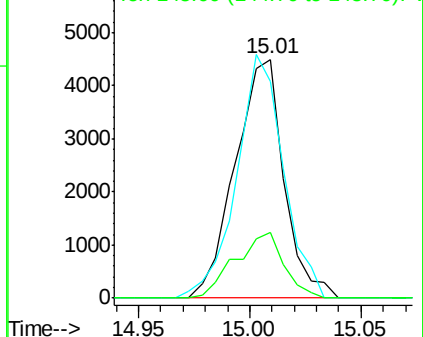


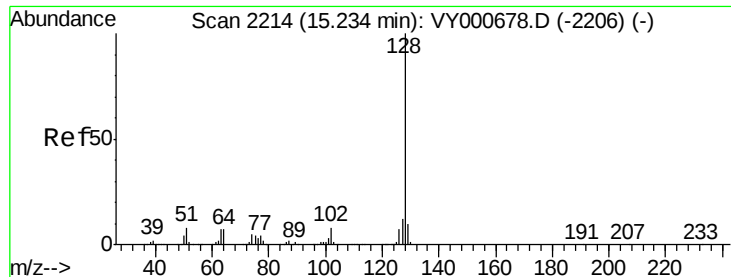
#68
 1,2,4-trichlorobenzene
 Concen: 2.595 ug/L
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000681.D
 Acq: 14 Nov 2019 19:20

Tgt Ion:180 Resp: 6880
 Ion Ratio Lower Upper
 180 100
 182 97.5 75.5 113.3
 145 27.4 25.4 38.0



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: 2.498 ug/L

RT: 15.23 min Scan# 2213

Delta R.T. -0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

ClientSampled :

MDL2

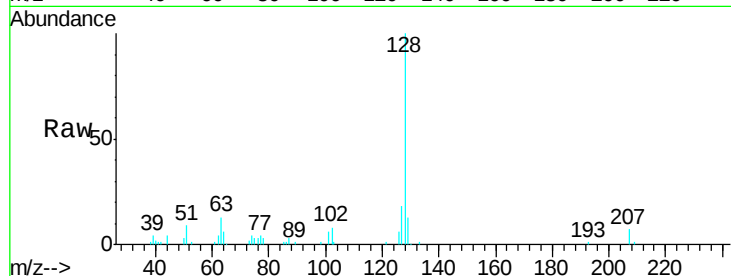
Tgt Ion:128 Resp: 19789

Ion Ratio Lower Upper

128 100

127 12.5 10.1 15.1

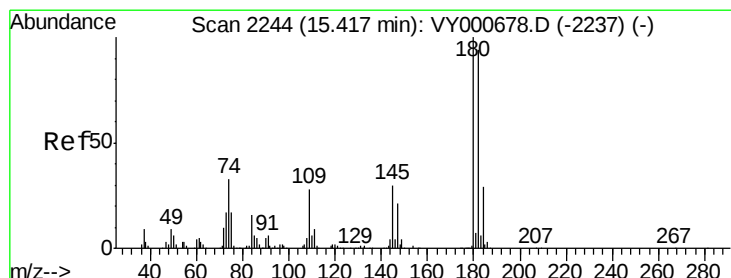
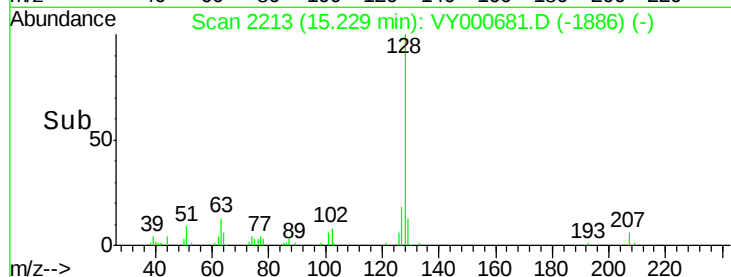
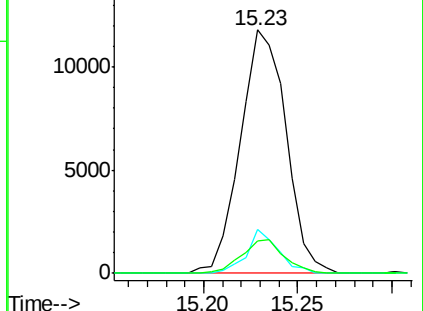
129 12.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 2.805 ug/L

RT: 15.42 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

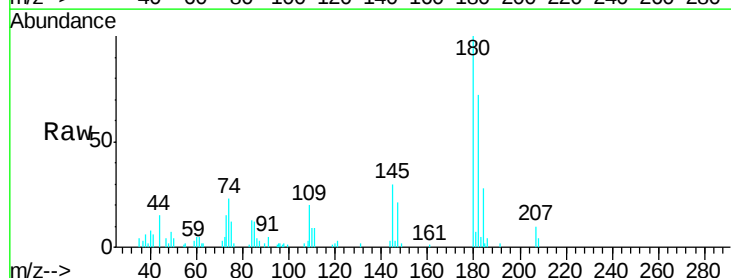
Tgt Ion:180 Resp: 7156

Ion Ratio Lower Upper

180 100

182 89.5 75.3 112.9

145 30.6 25.8 38.8



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

