

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111419\
 Data File : VY000682.D
 Acq On : 14 Nov 2019 19:42
 Operator : SY/MD
 Sample : MDL3
 Misc : 5ML/MSVOA_Y/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Quant Time: Nov 15 10:19:37 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	301973	50.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	266856	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	121914	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	114612	48.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.64%
7) Chloroethane-d5	2.76	69	101044	51.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.34%
11) 1,1-Dichloroethene-d2	3.85	63	155329	37.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.26%
21) 2-Butanone-d5	6.91	46	113537	121.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.34%
24) Chloroform-d	7.49	84	185266	54.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.38%
26) 1,2-Dichloroethane-d4	8.15	65	128572	53.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.62%
32) Benzene-d6	8.12	84	402342	53.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.84%
36) 1,2-Dichloropropane-d6	9.13	67	128361	55.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.50%
41) Toluene-d8	10.18	98	342590	49.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.16%
43) trans-1,3-Dichloropropene-	10.44	79	61659	53.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.04%
47) 2-Hexanone-d5	10.79	63	79416	117.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.00%
57) 1,1,2,2-Tetrachloroethane-	12.56	84	145552	53.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.18%
64) 1,2-Dichlorobenzene-d4	13.72	152	123699	52.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	3191	1.851 ug/L #	86
3) Chloromethane	2.12	50	6412	2.796 ug/L	98
5) Vinyl chloride	2.25	62	6107	2.656 ug/L #	55
6) Bromomethane	2.66	94	4028	3.047 ug/L	94
8) Chloroethane	2.79	64	3832	2.655 ug/L	87
9) Trichlorofluoromethane	3.13	101	6945	2.046 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	2115	1.116 ug/L #	61
12) 1,1-Dichloroethene	3.86	96	2902	1.531 ug/L #	1
13) Acetone	3.96	43	4673	6.937 ug/L	82
14) Carbon disulfide	4.19	76	13394	2.562 ug/L	99
15) Methyl Acetate	4.49	43	4727	2.792 ug/L #	71
16) Methylene chloride	4.71	84	3790	1.870 ug/L	83
17) trans-1,2-Dichloroethene	5.22	96	5294	2.675 ug/L	96
18) Methyl tert-butyl Ether	5.24	73	16679	2.799 ug/L #	78
19) 1,1-Dichloroethane	6.02	63	9430	2.651 ug/L	97
20) cis-1,2-Dichloroethene	7.00	96	6350	2.862 ug/L	84
22) 2-Butanone	7.01	43	6334	5.975 ug/L	89

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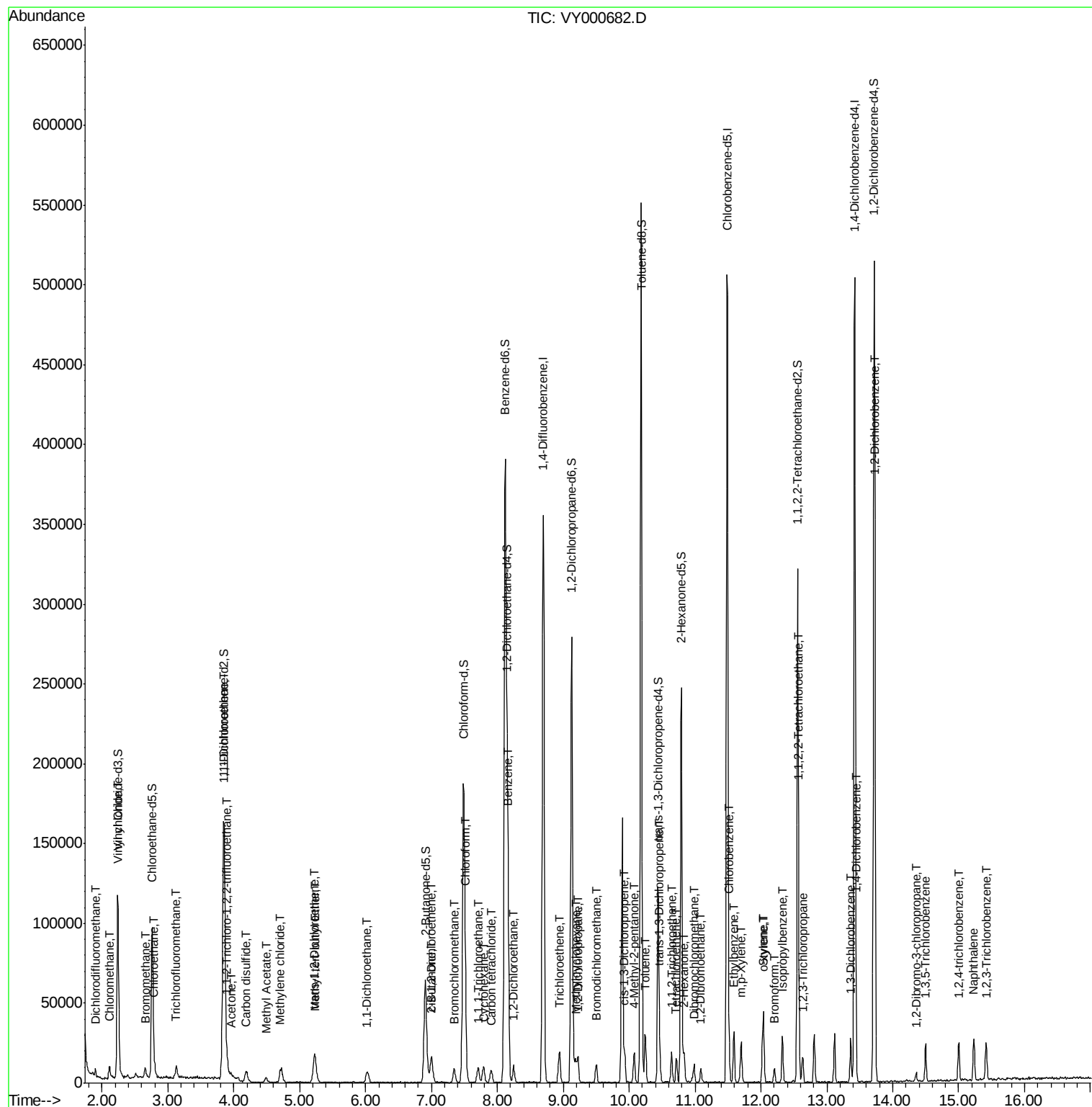
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	2867	2.803	ug/L	85
25) Chloroform	7.52	83	23552	5.782	ug/L	98
27) 1,2-Dichloroethane	8.25	62	8122	2.920	ug/L #	94
29) Cyclohexane	7.78	56	5668	1.820	ug/L #	22
30) 1,1,1-Trichloroethane	7.71	97	7943	2.725	ug/L #	72
31) Carbon tetrachloride	7.90	117	5936	2.274	ug/L	95
33) Benzene	8.17	78	21987	2.766	ug/L	100
34) Trichloroethene	8.94	95	4655	2.332	ug/L	93
35) Methylcyclohexane	9.19	83	5582	1.694	ug/L #	93
37) 1,2-Dichloropropane	9.22	63	5814	2.948	ug/L #	91
38) Bromodichloromethane	9.50	83	7266	2.743	ug/L #	93
39) cis-1,3-Dichloropropene	9.93	75	9791	2.922	ug/L	99
40) 4-Methyl-2-pentanone	10.08	43	12337	5.454	ug/L	99
42) Toluene	10.25	91	21191	2.518	ug/L	94
44) trans-1,3-Dichloropropene	10.46	75	8760	2.986	ug/L	96
45) 1,1,2-Trichloroethane	10.64	97	5307	2.837	ug/L #	83
46) Tetrachloroethene	10.71	164	3134	2.029	ug/L	93
48) 2-Hexanone	10.83	43	10485	6.420	ug/L	93
49) Dibromochloromethane	10.99	129	5598	2.763	ug/L	86
50) 1,2-Dibromoethane	11.09	107	5207	2.781	ug/L #	74
51) Chlorobenzene	11.52	112	14132	2.607	ug/L #	88
52) Ethylbenzene	11.60	91	21110	2.198	ug/L	97
53) m,p-Xylene	11.70	106	8281	2.242	ug/L	94
54) o-xylene	12.02	106	7533	2.080	ug/L	78
55) Styrene	12.04	104	13816	2.246	ug/L	90
56) Isopropylbenzene	12.33	105	17395	1.877	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	8321	3.144	ug/L #	80
59) 1,2,3-Trichloropropane	12.63	75	5801	2.771	ug/L	93
61) Bromoform	12.20	173	3414	2.766	ug/L #	97
62) 1,3-Dichlorobenzene	13.36	146	9358	2.448	ug/L	93
63) 1,4-Dichlorobenzene	13.45	146	10230	2.612	ug/L	90
65) 1,2-Dichlorobenzene	13.73	146	10786	2.864	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.36	75	1470	3.231	ug/L #	86
67) 1,3,5-Trichlorobenzene	14.50	180	6464	2.422	ug/L	95
68) 1,2,4-trichlorobenzene	15.00	180	6728	2.688	ug/L	98
69) Naphthalene	15.23	128	20284	2.712	ug/L #	95
70) 1,2,3-Trichlorobenzene	15.42	180	6492	2.695	ug/L	99

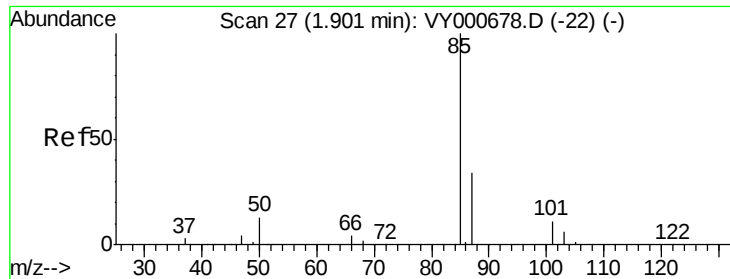
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.851 ug/L

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Instrument :

MSVOA_Y

ClientSampled :

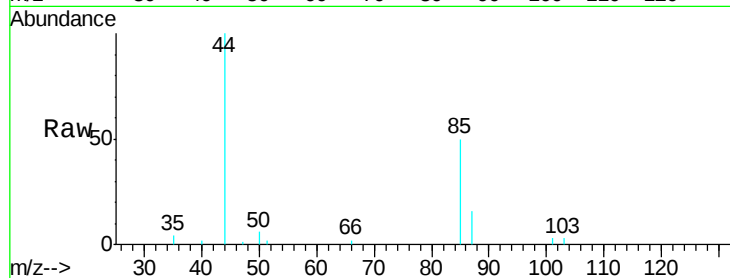
MDL3

Tgt Ion: 85 Resp: 3191

Ion Ratio Lower Upper

85 100

87 24.1 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) (-)

1.90

2500

2000

1500

1000

500

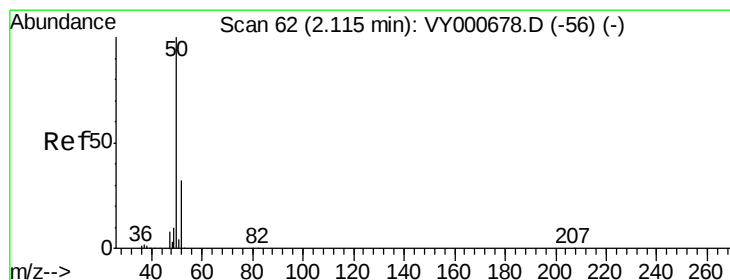
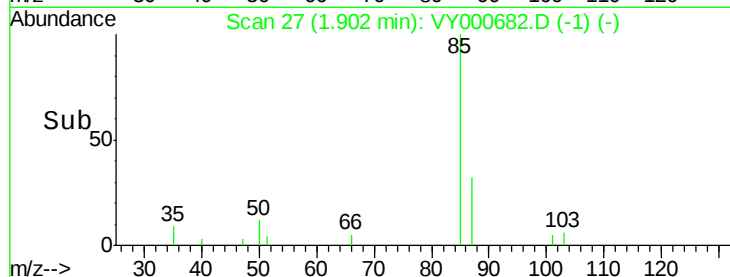
0

1.85

1.90

1.95

Time-->



#3

Chloromethane

Concen: 2.796 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000682.D

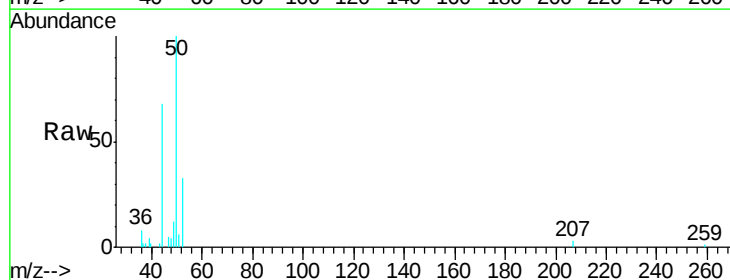
Acq: 14 Nov 2019 19:42

Tgt Ion: 50 Resp: 6412

Ion Ratio Lower Upper

50 100

52 32.6 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) (-)

2.12

4000

3000

2000

1000

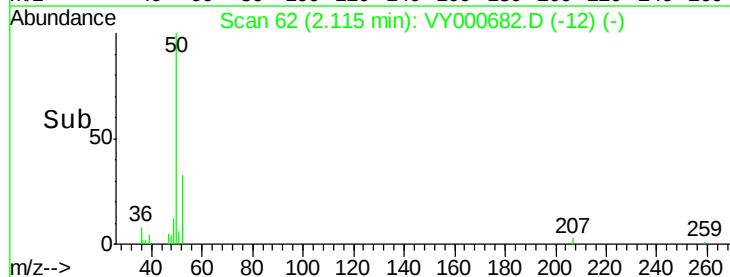
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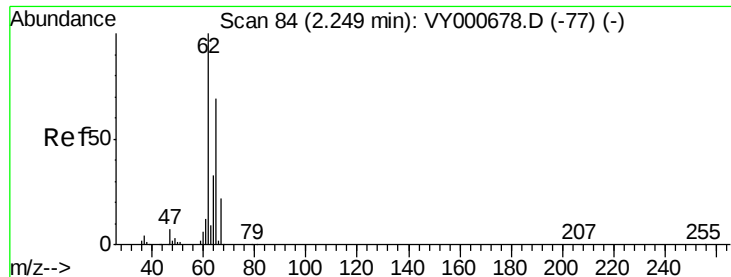
2.05

2.10

2.15

Time-->





#5

Vinyl chloride

Concen: 2.656 ug/L

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Instrument :

MSVOA_Y

ClientSampled :

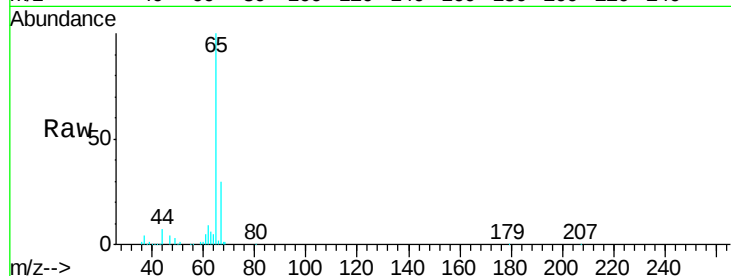
MDL3

Tgt Ion: 62 Resp: 6107

Ion Ratio Lower Upper

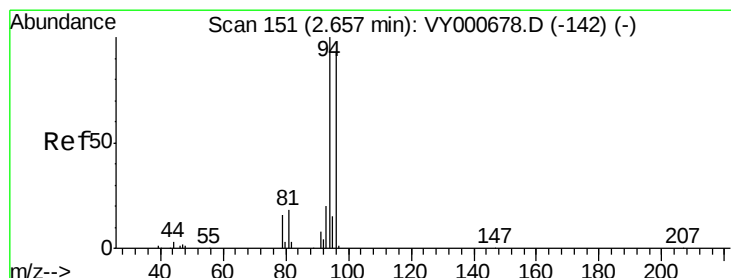
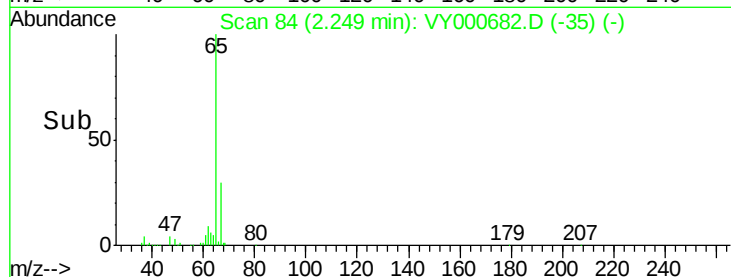
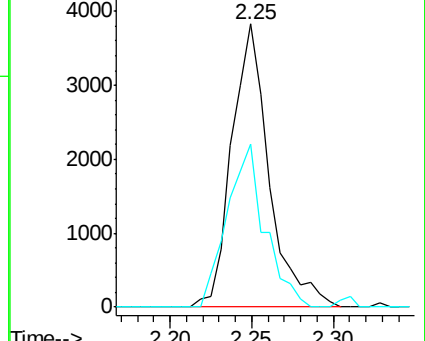
62 100

64 57.4 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: 3.047 ug/L

RT: 2.66 min Scan# 151

Delta R.T. 0.01 min

Lab File: VY000682.D

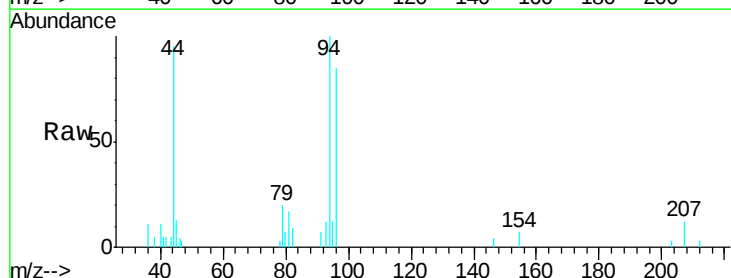
Acq: 14 Nov 2019 19:42

Tgt Ion: 94 Resp: 4028

Ion Ratio Lower Upper

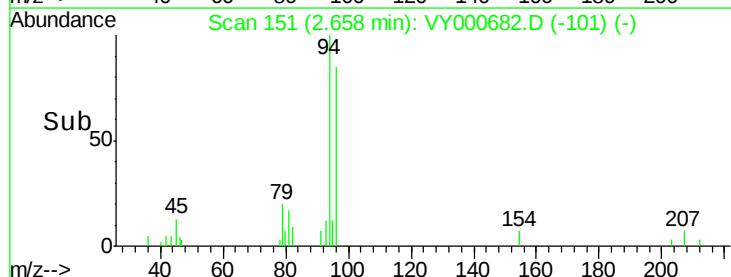
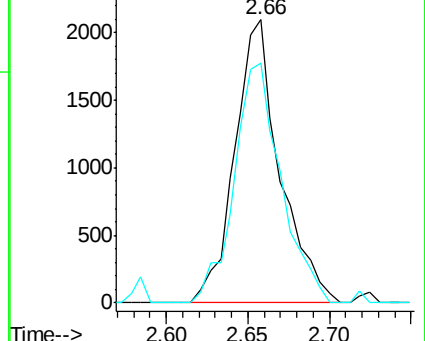
94 100

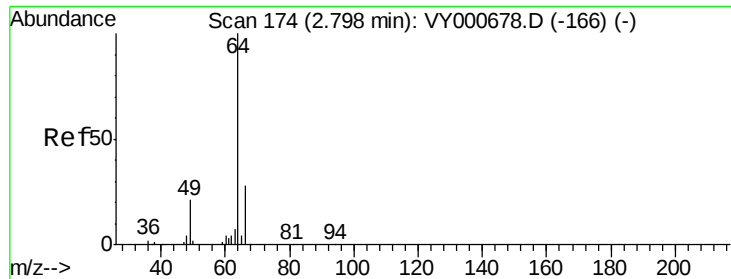
96 84.7 63.0 117.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 2.655 ug/L

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Instrument :

MSVOA_Y

ClientSampled :

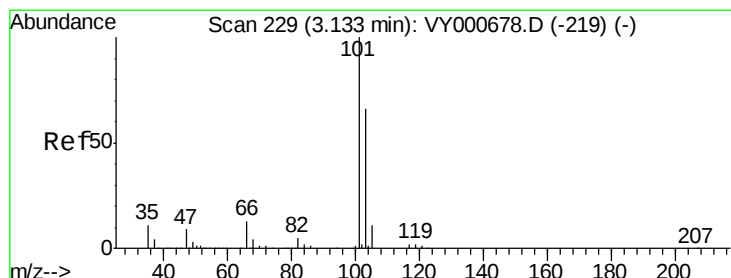
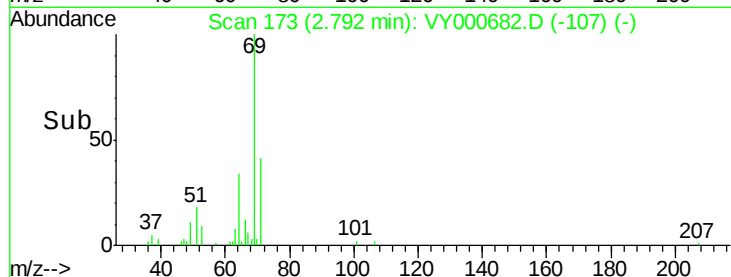
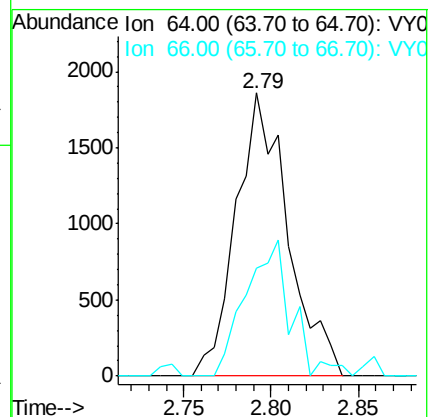
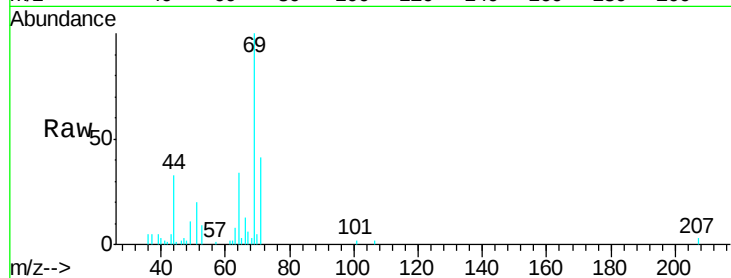
MDL3

Tgt Ion: 64 Resp: 3832

Ion Ratio Lower Upper

64 100

66 38.4 21.7 40.3



#9

Trichlorofluoromethane

Concen: 2.046 ug/L

RT: 3.13 min Scan# 229

Delta R.T. 0.01 min

Lab File: VY000682.D

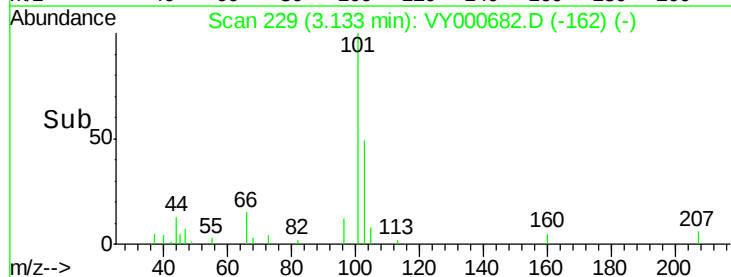
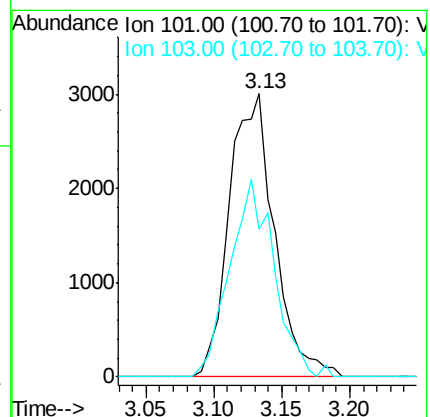
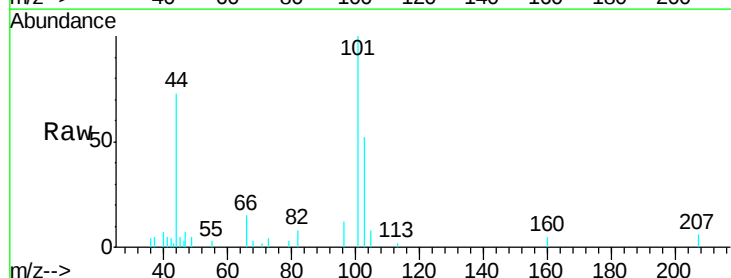
Acq: 14 Nov 2019 19:42

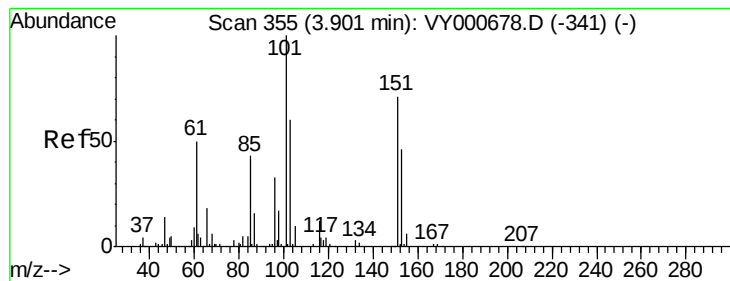
Tgt Ion: 101 Resp: 6945

Ion Ratio Lower Upper

101 100

103 68.0 52.5 78.7





#10

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

Concen: 1.116 ug/L

RT: 3.90 min Scan# 354

Delta R.T. 0.01 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

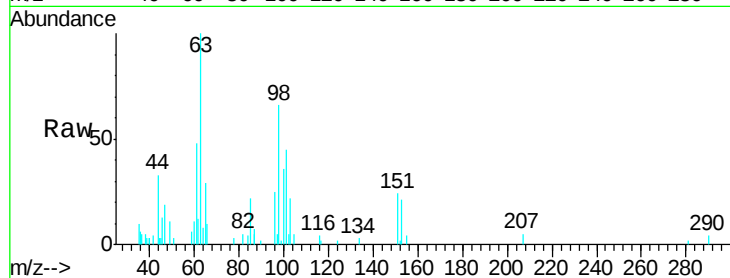
Tgt Ion:101 Resp: 2115

Ion Ratio Lower Upper

101 100

85 83.5 35.3 52.9#

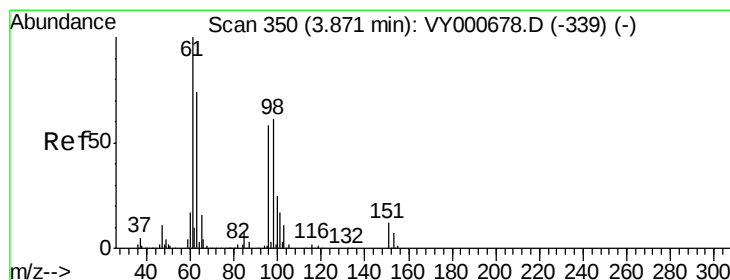
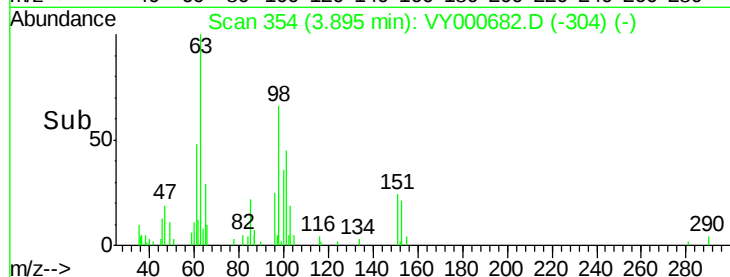
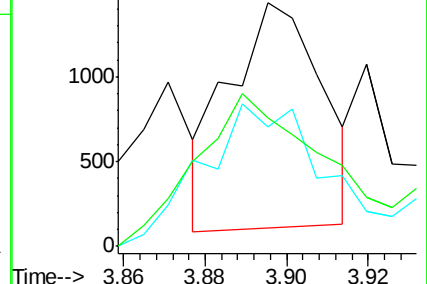
151 93.8 57.7 86.5#



Abundance Ion 101.00 (100.70 to 101.70): VY000678.D (-341) (-)

Ion 85.00 (84.70 to 85.70): VY000678.D (-341) (-)

Ion 151.00 (150.70 to 151.70): VY000678.D (-341) (-)



#12

1,1-Dichloroethene

Concen: 1.531 ug/L

RT: 3.86 min Scan# 348

Delta R.T. -0.01 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

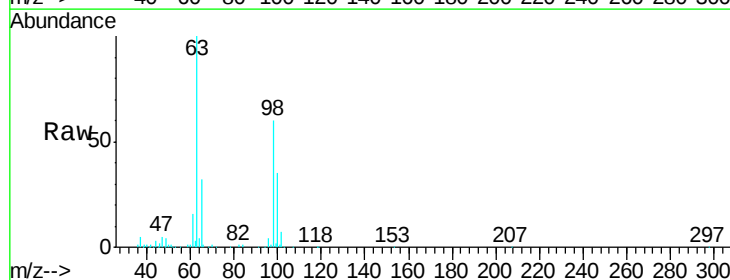
Tgt Ion: 96 Resp: 2902

Ion Ratio Lower Upper

96 100

61 414.1 117.5 218.3#

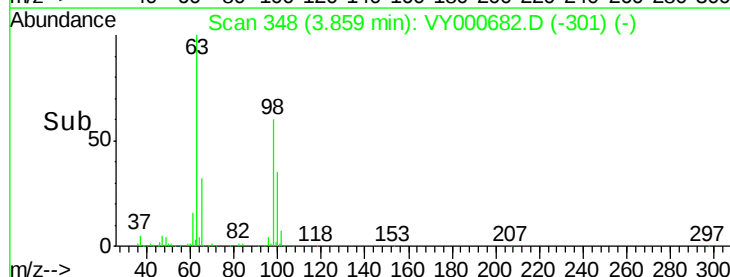
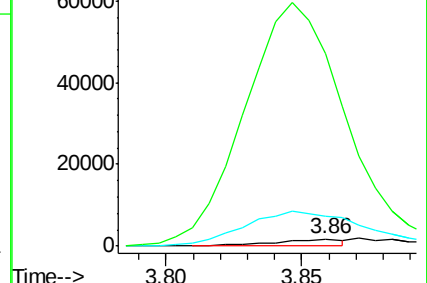
63 2646.7 70.1 130.3#

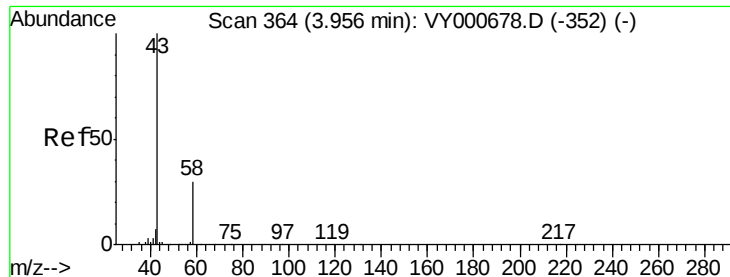


Abundance Ion 96.00 (95.70 to 96.70): VY000678.D (-339) (-)

Ion 61.00 (60.70 to 61.70): VY000678.D (-339) (-)

Ion 63.00 (62.70 to 63.70): VY000678.D (-339) (-)





#13

Acetone

Concen: 6.937 ug/L

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Instrument :

MSVOA_Y

ClientSampleId :

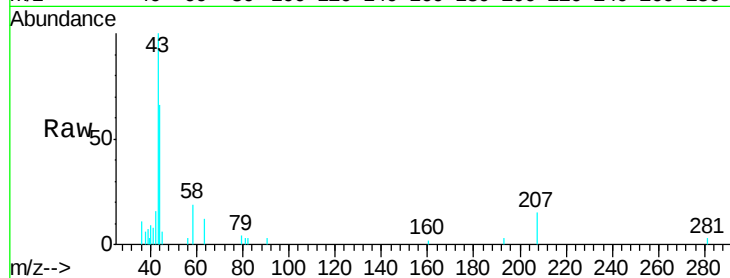
MDL3

Tgt Ion: 43 Resp: 4673

Ion Ratio Lower Upper

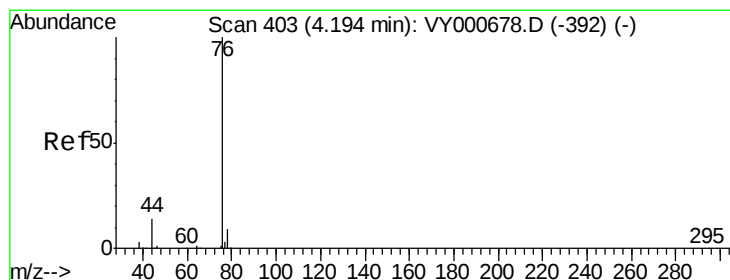
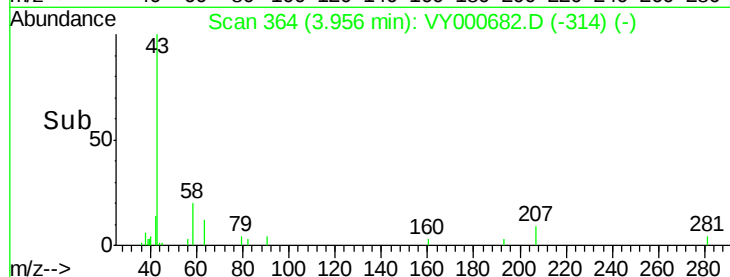
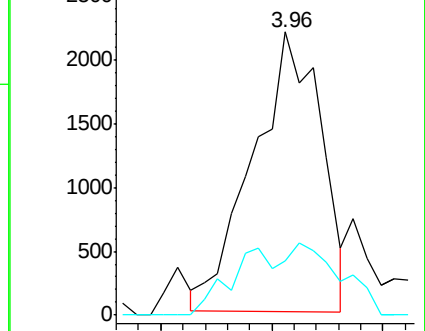
43 100

58 21.3 0.0 62.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 2.562 ug/L

RT: 4.19 min Scan# 402

Delta R.T. 0.01 min

Lab File: VY000682.D

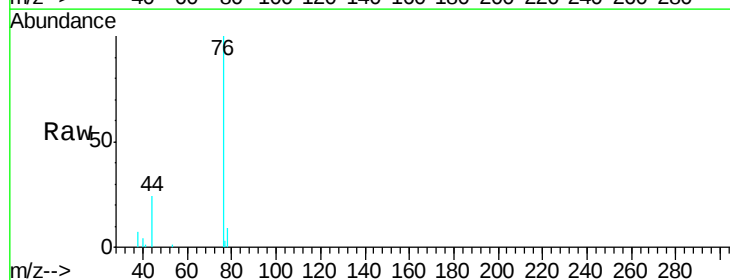
Acq: 14 Nov 2019 19:42

Tgt Ion: 76 Resp: 13394

Ion Ratio Lower Upper

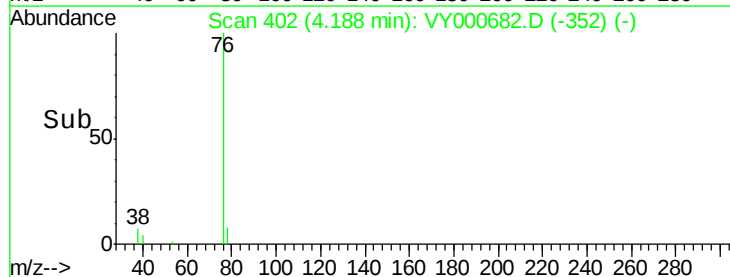
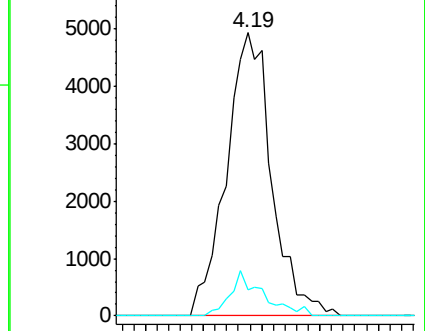
76 100

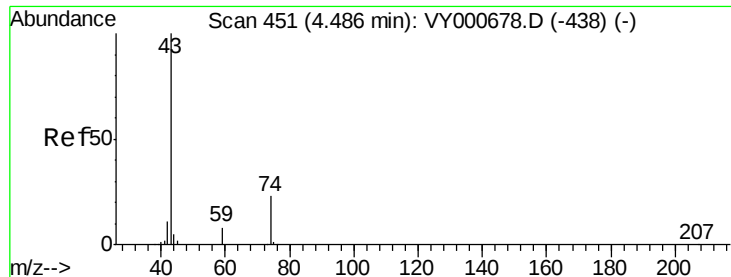
78 9.2 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0





#15

Methyl Acetate

Concen: 2.792 ug/L

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Instrument :

MSVOA_Y

ClientSampled :

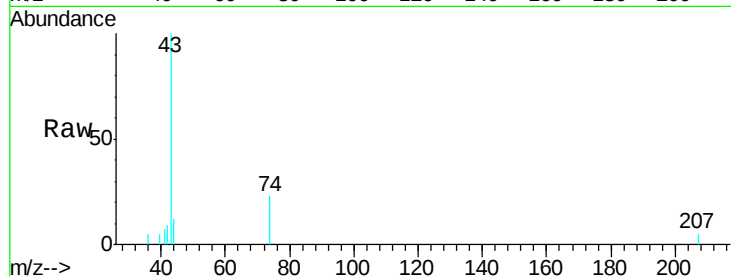
MDL3

Tgt Ion: 43 Resp: 4727

Ion Ratio Lower Upper

43 100

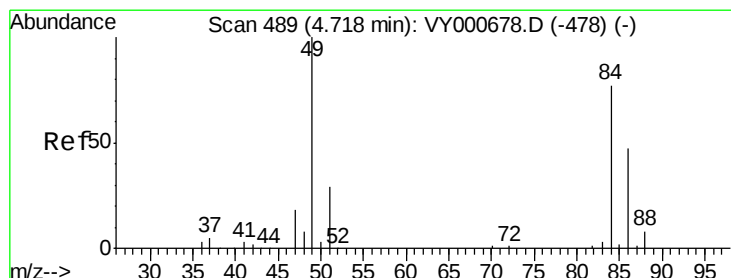
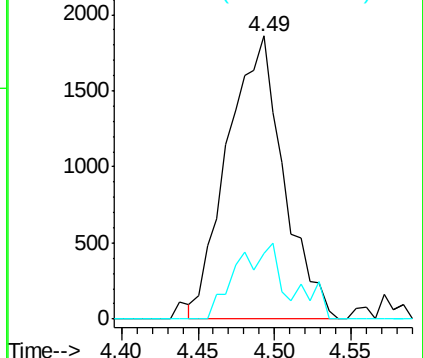
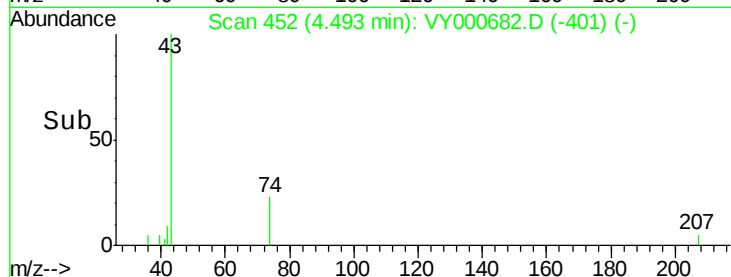
74 9.6 19.1 28.7#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

Time--> 4.40 4.45 4.50 4.55



#16

Methylene chloride

Concen: 1.870 ug/L

RT: 4.71 min Scan# 487

Delta R.T. -0.01 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

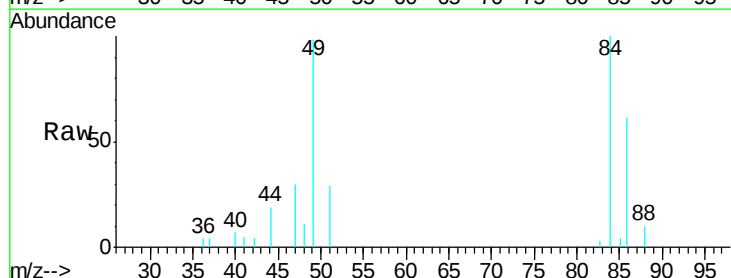
Tgt Ion: 84 Resp: 3790

Ion Ratio Lower Upper

84 100

86 61.1 45.9 85.3

49 97.8 86.1 159.9

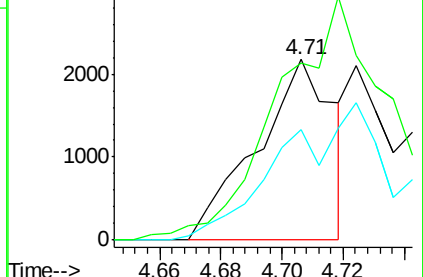
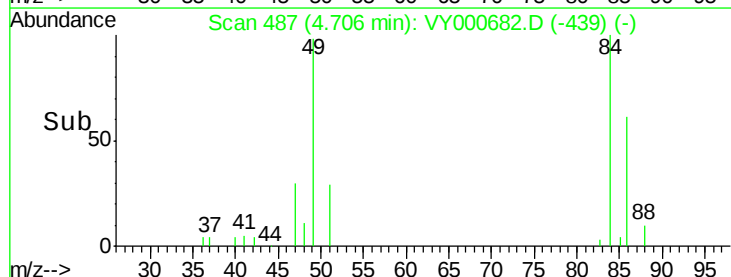


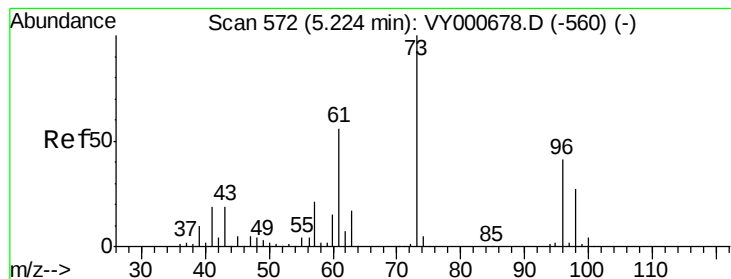
Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

Time--> 4.66 4.68 4.70 4.72





#17

trans-1,2-Dichloroethene

Concen: 2.675 ug/L

RT: 5.22 min Scan# 572

Delta R.T. 0.01 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

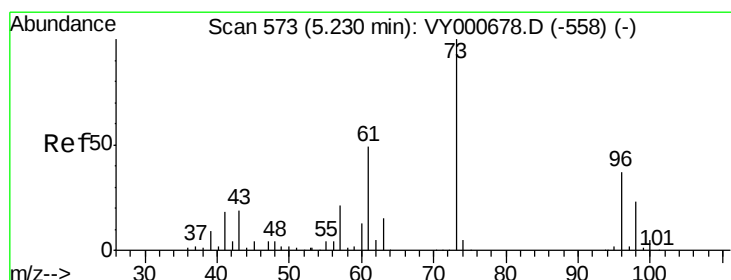
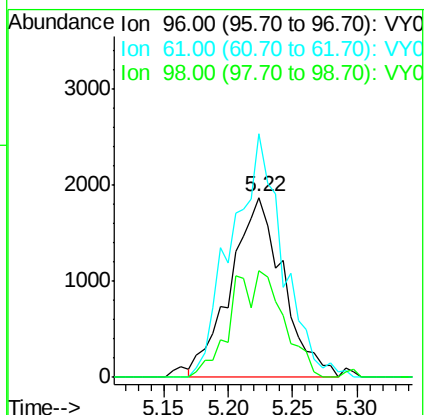
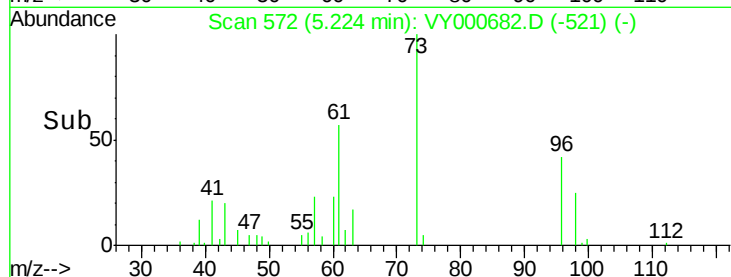
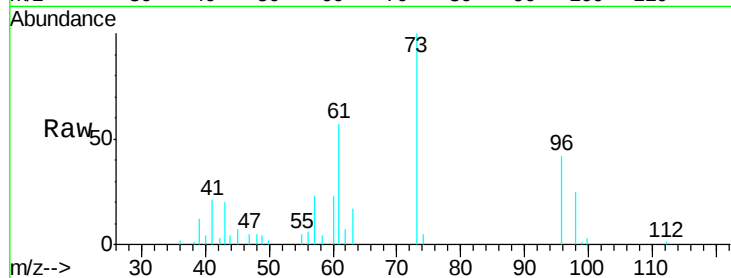
Tgt Ion: 96 Resp: 5294

Ion Ratio Lower Upper

96 100

61 135.2 90.8 168.6

98 59.5 41.0 76.2



#18

Methyl tert-butyl Ether

Concen: 2.799 ug/L

RT: 5.24 min Scan# 574

Delta R.T. 0.01 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

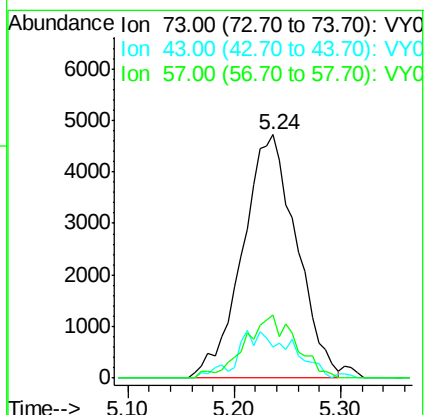
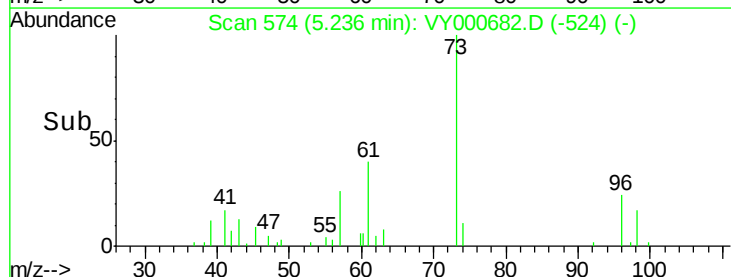
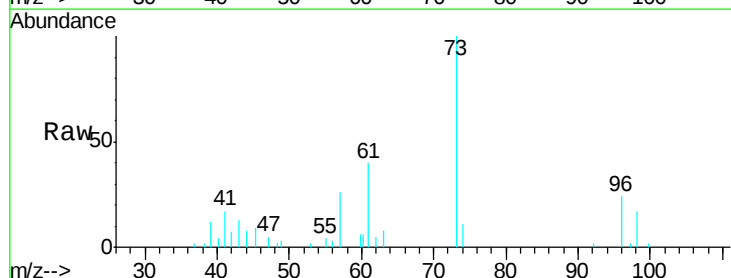
Tgt Ion: 73 Resp: 16679

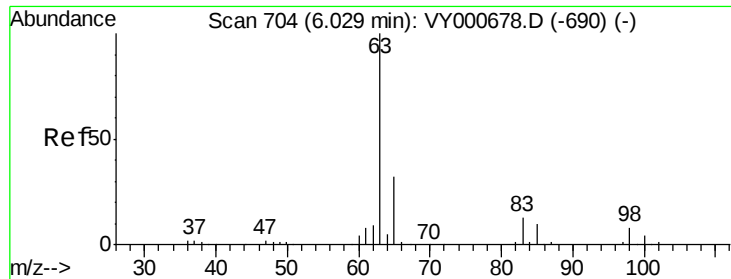
Ion Ratio Lower Upper

73 100

43 7.7 15.5 23.3#

57 13.4 17.7 26.5#

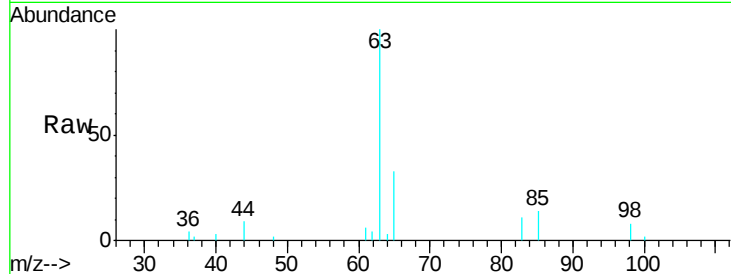




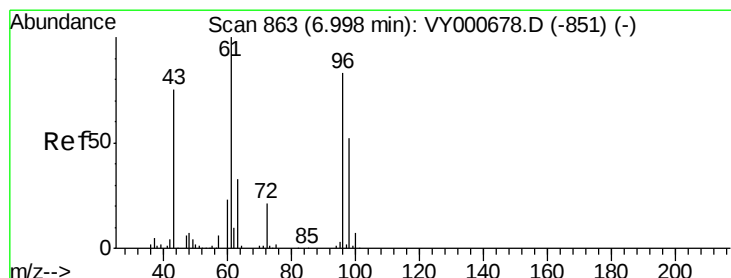
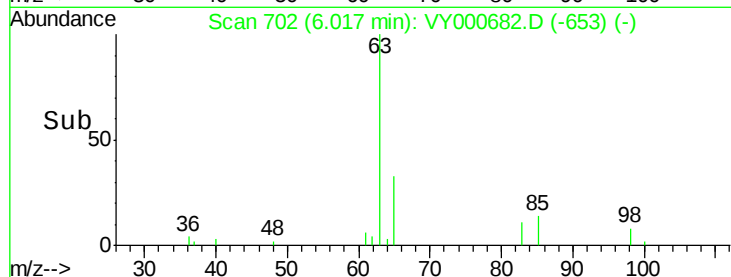
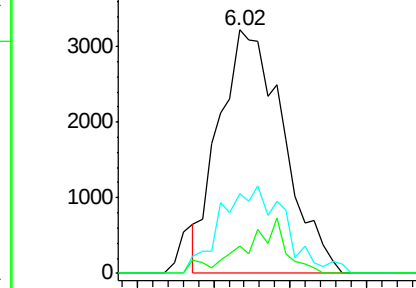
#19
 1,1-Dichloroethane
 Concen: 2.651 ug/L
 RT: 6.02 min Scan# 702
 Delta R.T. -0.00 min
 Lab File: VY000682.D
 Acq: 14 Nov 2019 19:42

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL3

Tgt Ion: 63 Resp: 9430
 Ion Ratio Lower Upper
 63 100
 65 32.7 22.7 42.1
 83 11.2 10.5 19.5

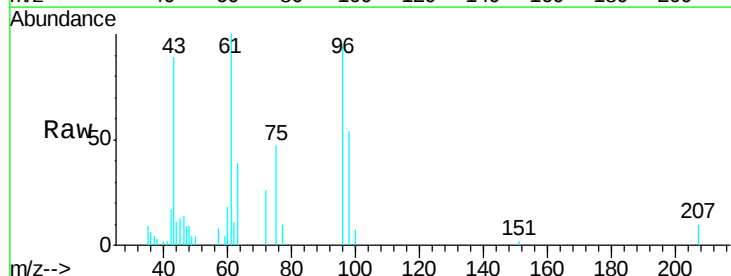


Abundance Ion 63.00 (62.70 to 63.70): VY0
 Ion 65.00 (64.70 to 65.70): VY0
 Ion 83.00 (82.70 to 83.70): VY0

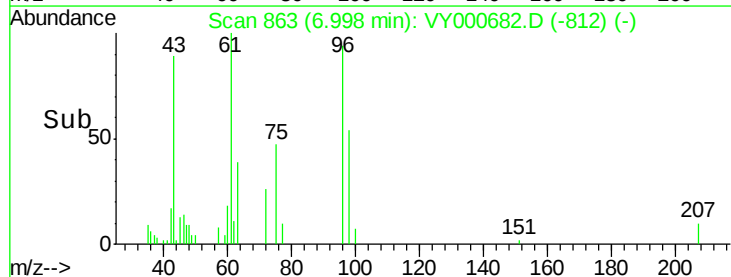
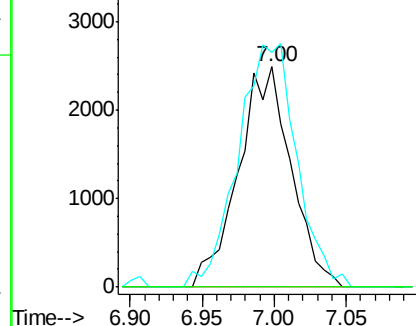


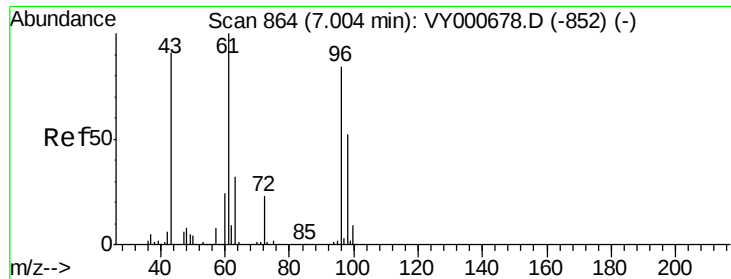
#20
 cis-1,2-Dichloroethene
 Concen: 2.862 ug/L
 RT: 7.00 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VY000682.D
 Acq: 14 Nov 2019 19:42

Tgt Ion: 96 Resp: 6350
 Ion Ratio Lower Upper
 96 100
 61 106.7 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: 5.975 ug/L

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Instrument :

MSVOA_Y

ClientSampleId :

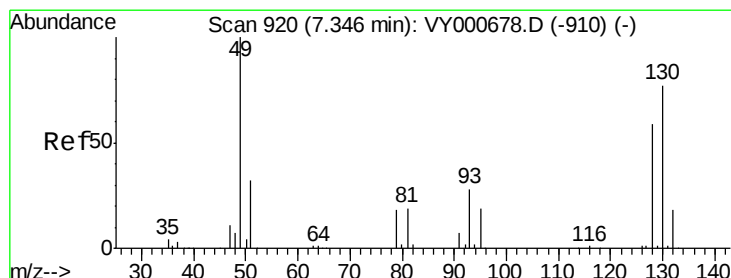
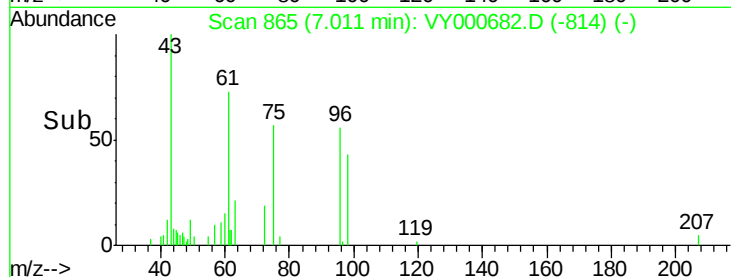
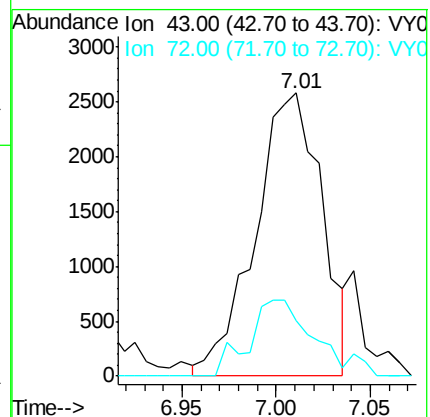
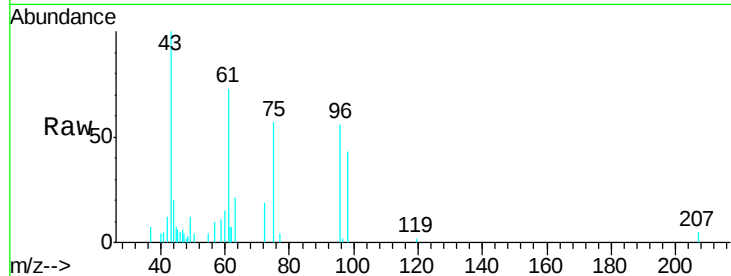
MDL3

Tgt Ion: 43 Resp: 6334

Ion Ratio Lower Upper

43 100

72 21.8 13.7 41.1



#23

Bromochloromethane

Concen: 2.803 ug/L

RT: 7.35 min Scan# 920

Delta R.T. 0.01 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Tgt Ion: 128 Resp: 2867

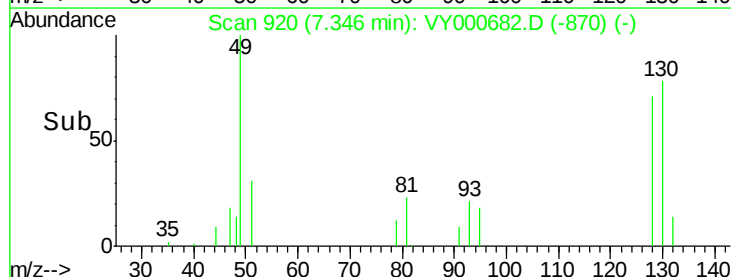
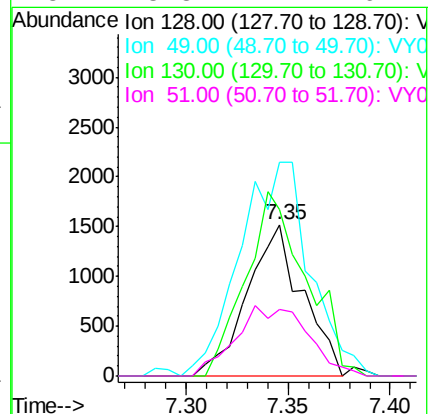
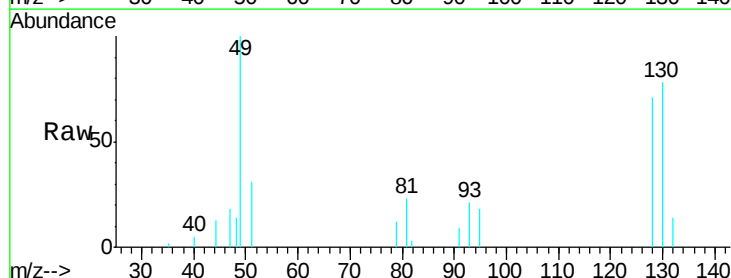
Ion Ratio Lower Upper

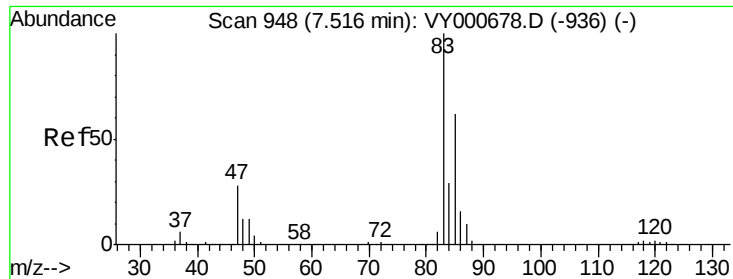
128 100

49 141.0 116.6 216.5

130 109.7 85.4 158.6

51 43.8 41.1 61.7

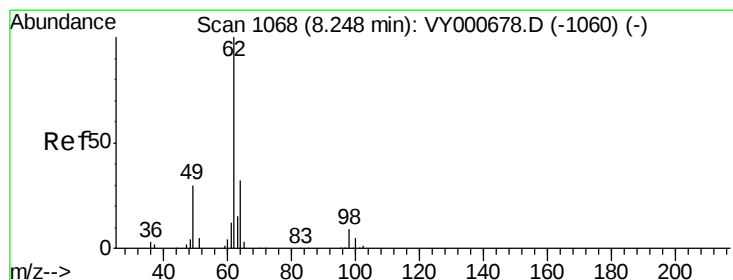
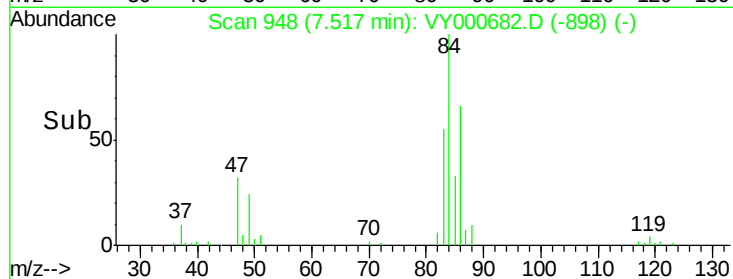
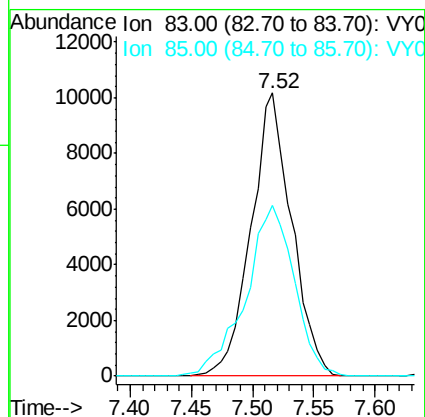
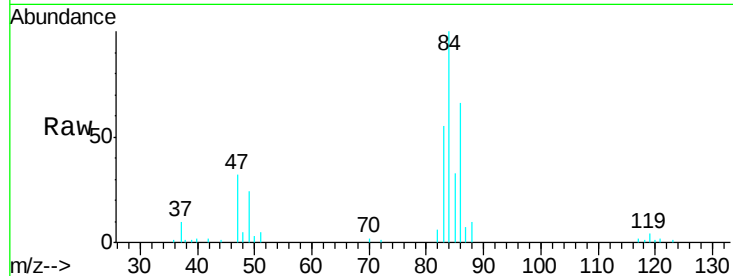




#25
Chloroform
Concen: 5.782 ug/L
RT: 7.52 min Scan# 948
Delta R.T. 0.01 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

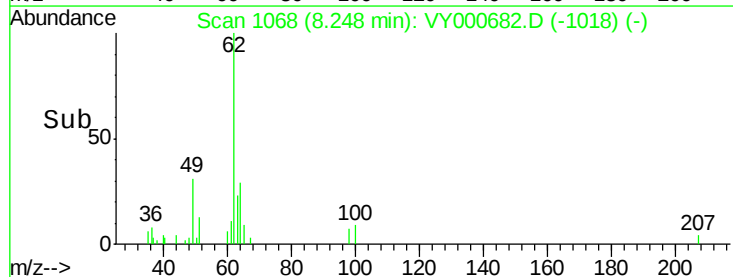
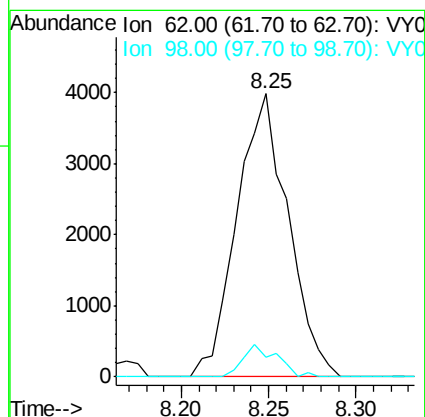
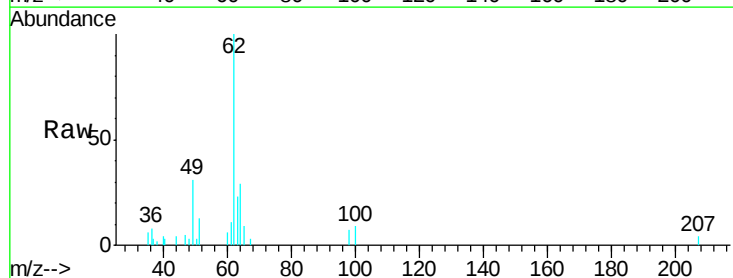
Instrument :
MSVOA_Y
ClientSampled :
MDL3

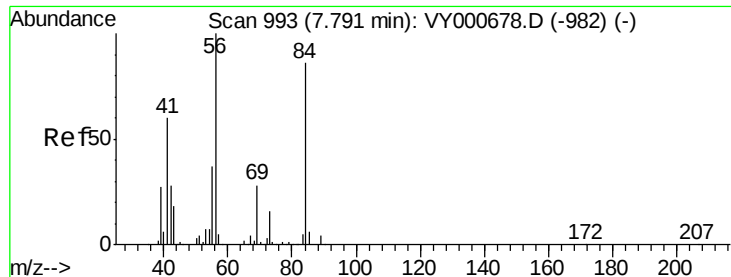
Tgt Ion: 83 Resp: 23552
Ion Ratio Lower Upper
83 100
85 60.4 43.1 80.1



#27
1,2-Dichloroethane
Concen: 2.920 ug/L
RT: 8.25 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Tgt Ion: 62 Resp: 8122
Ion Ratio Lower Upper
62 100
98 6.7 7.1 10.7#

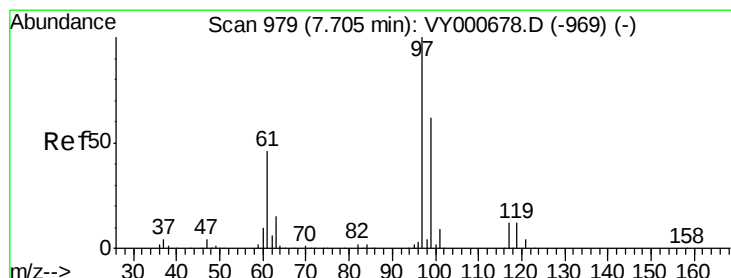
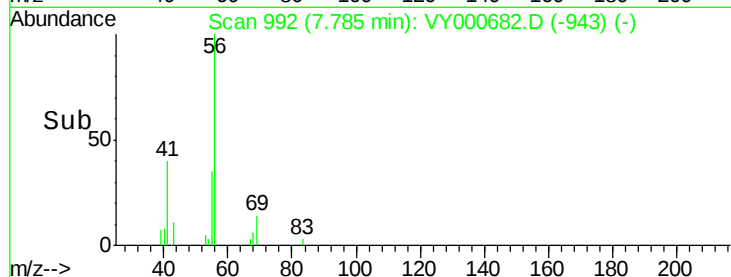
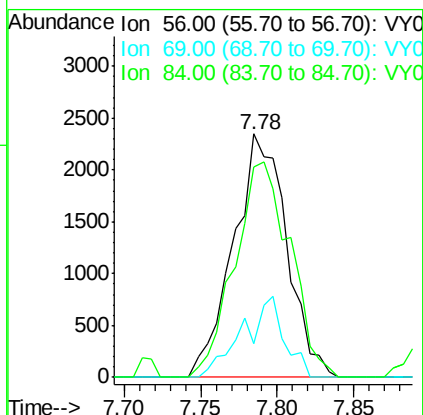
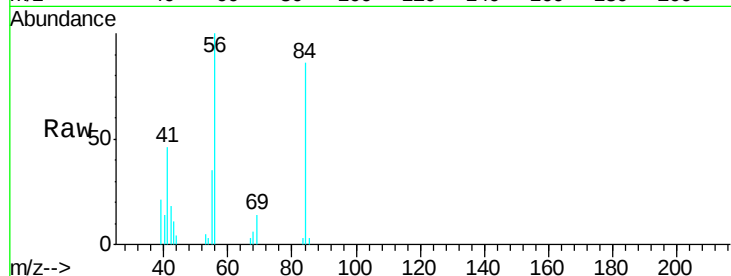




#29
Cyclohexane
Concen: 1.820 ug/L
RT: 7.78 min Scan# 992
Delta R.T. -0.00 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

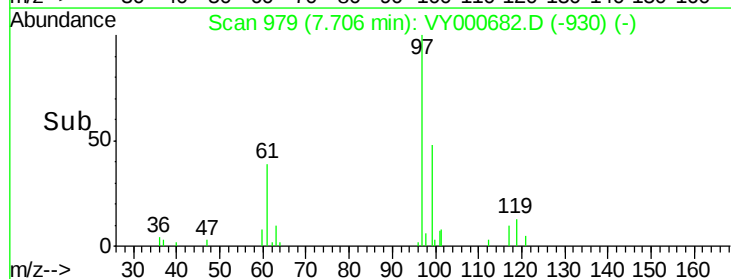
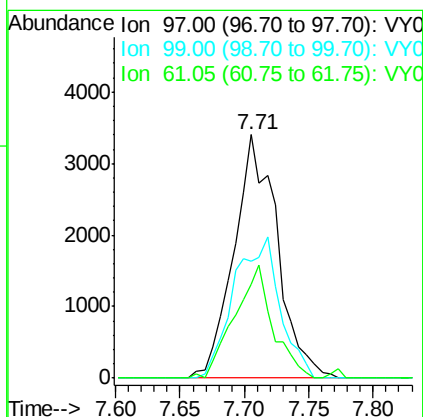
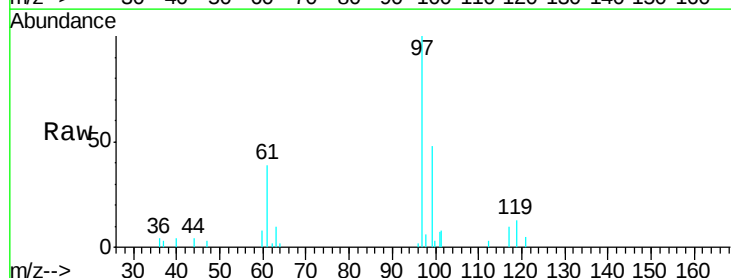
Instrument :
MSVOA_Y
ClientSampled :
MDL3

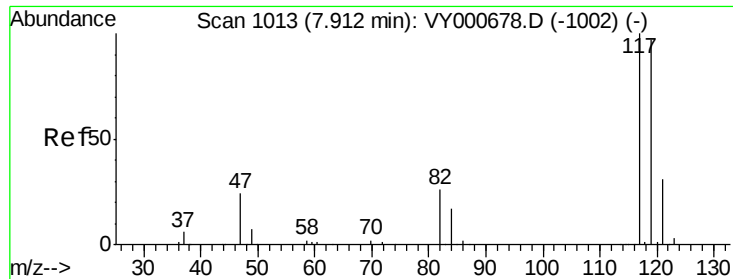
Tgt Ion: 56 Resp: 5668
Ion Ratio Lower Upper
56 100
69 11.4 24.4 36.6#
84 2.4 71.4 107.2#



#30
1,1,1-Trichloroethane
Concen: 2.725 ug/L
RT: 7.71 min Scan# 979
Delta R.T. -0.00 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Tgt Ion: 97 Resp: 7943
Ion Ratio Lower Upper
97 100
99 31.3 52.2 78.2#
61 40.8 35.0 52.4





#31

Carbon tetrachloride

Concen: 2.274 ug/L

RT: 7.90 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Instrument :

MSVOA_Y

ClientSampleId :

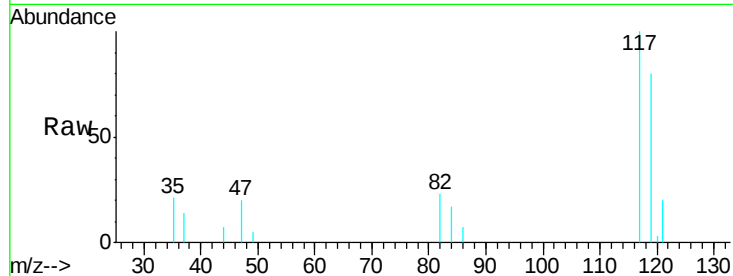
MDL3

Tgt Ion: 117 Resp: 5936

Ion Ratio Lower Upper

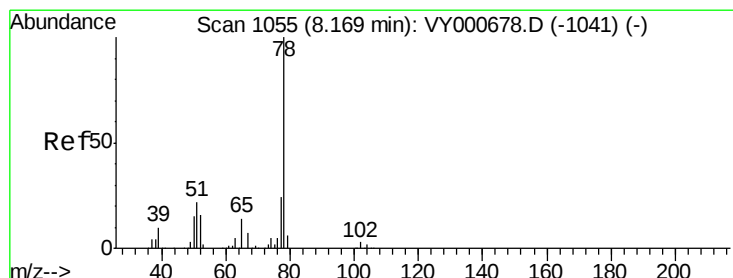
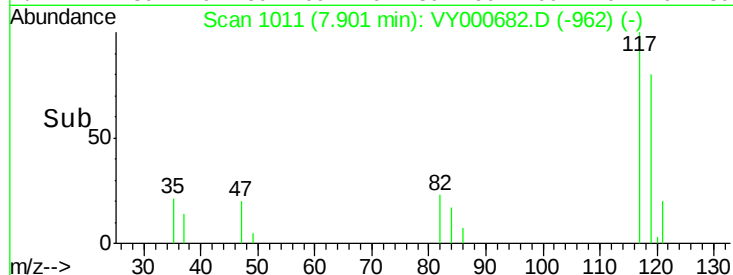
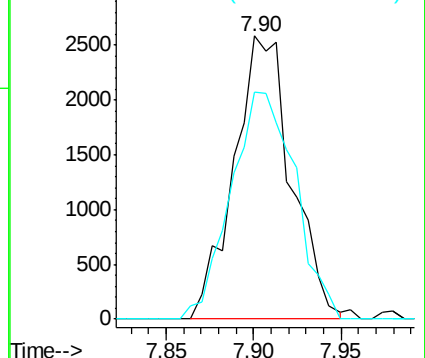
117 100

119 89.6 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: 2.766 ug/L

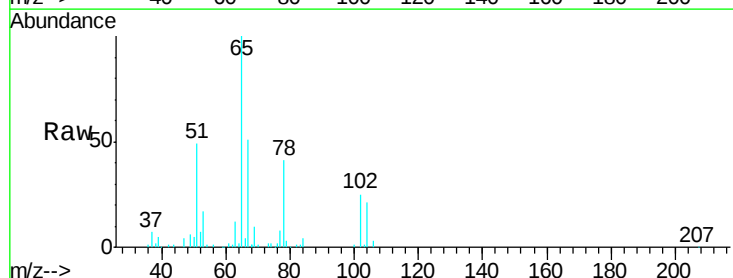
RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

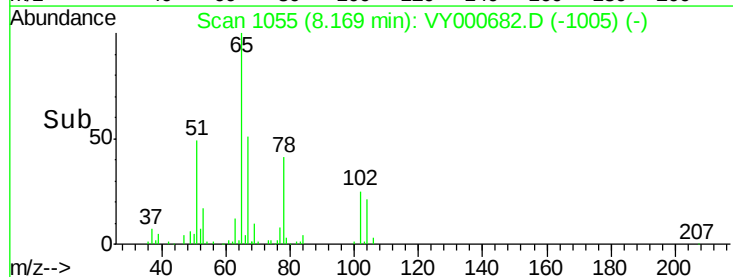
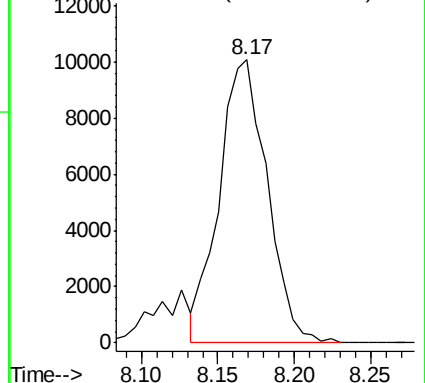
Lab File: VY000682.D

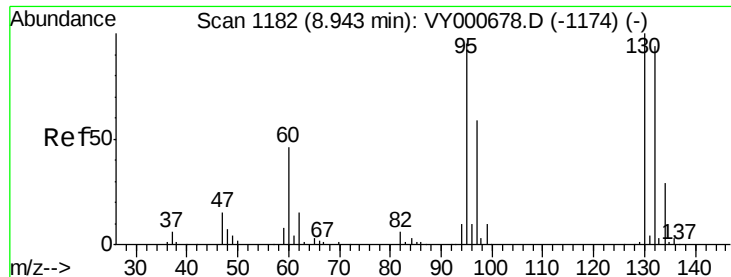
Acq: 14 Nov 2019 19:42

Tgt Ion: 78 Resp: 21987



Abundance Ion 78.00 (77.70 to 78.70): VY0

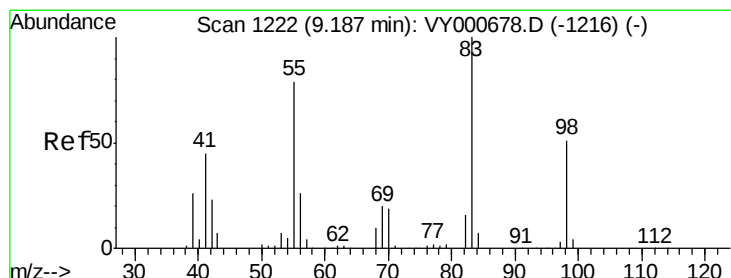
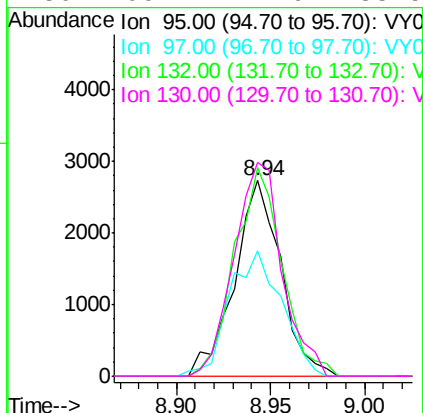
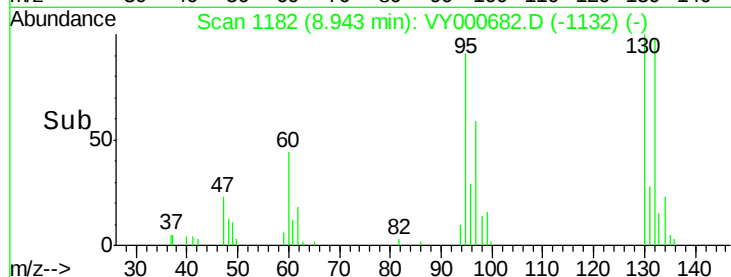
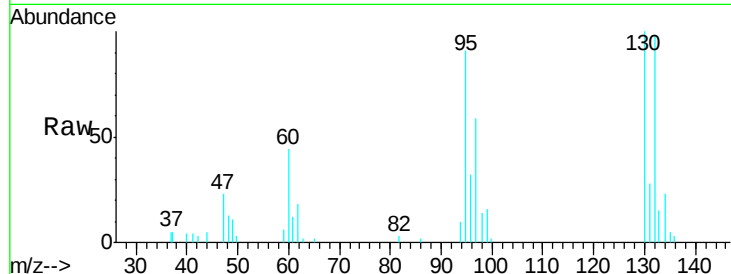




#34
 Trichloroethene
 Concen: 2.332 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VY000682.D
 Acq: 14 Nov 2019 19:42

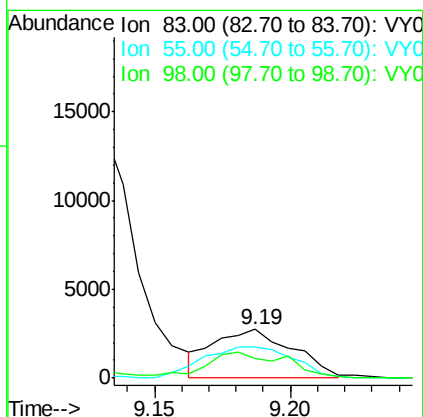
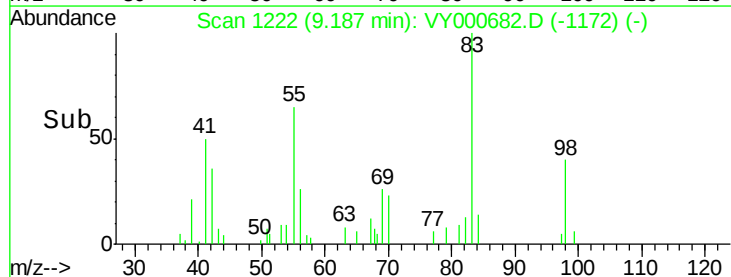
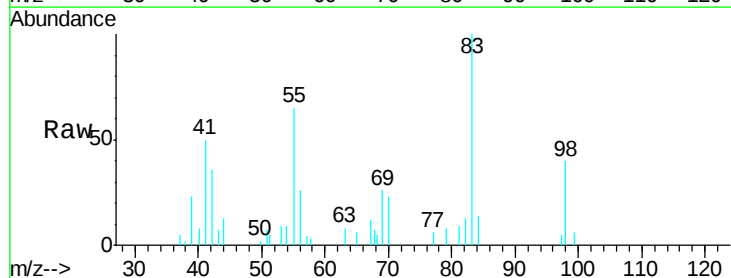
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL3

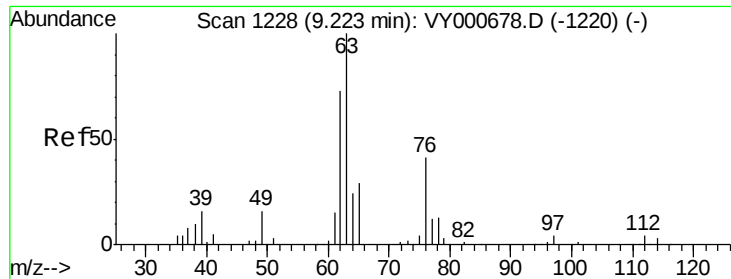
Tgt Ion: 95 Resp: 4655
 Ion Ratio Lower Upper
 95 100
 97 64.0 43.8 81.3
 132 107.2 67.8 126.0
 130 109.4 71.9 133.5



#35
 Methylcyclohexane
 Concen: 1.694 ug/L
 RT: 9.19 min Scan# 1222
 Delta R.T. 0.01 min
 Lab File: VY000682.D
 Acq: 14 Nov 2019 19:42

Tgt Ion: 83 Resp: 5582
 Ion Ratio Lower Upper
 83 100
 55 73.7 60.4 90.6
 98 40.2 40.3 60.5#

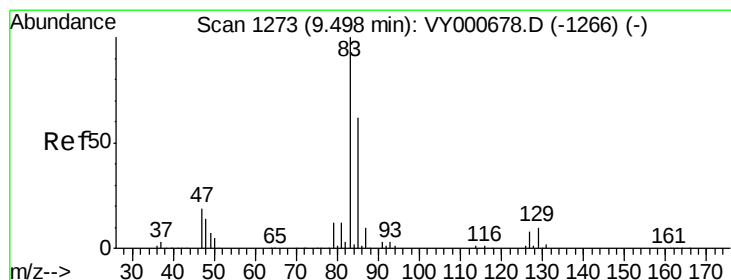
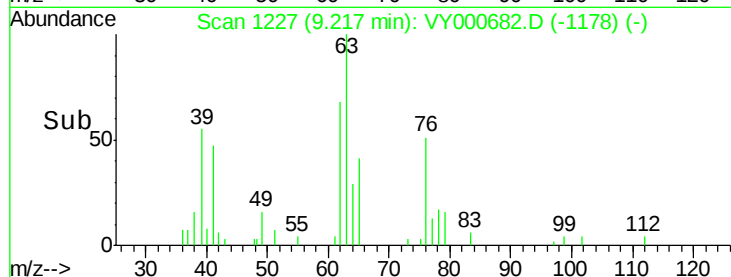
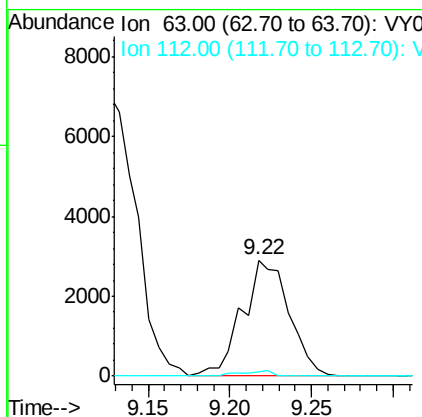
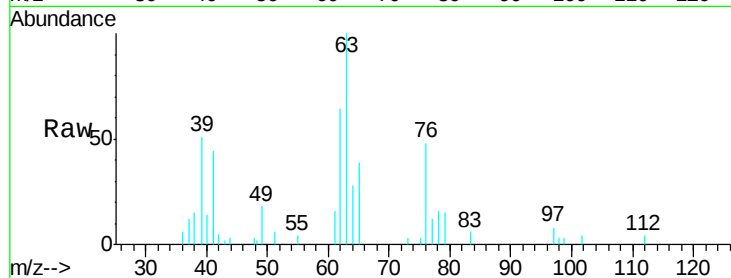




#37
 1,2-Dichloropropane
 Concen: 2.948 ug/L
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY000682.D
 Acq: 14 Nov 2019 19:42

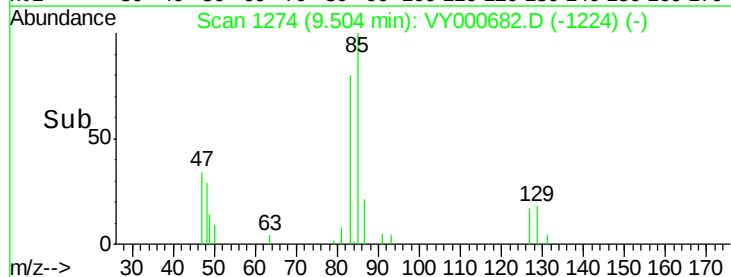
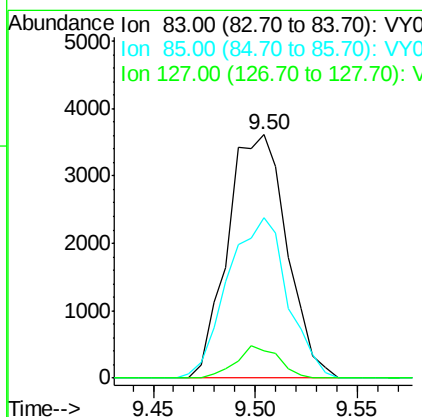
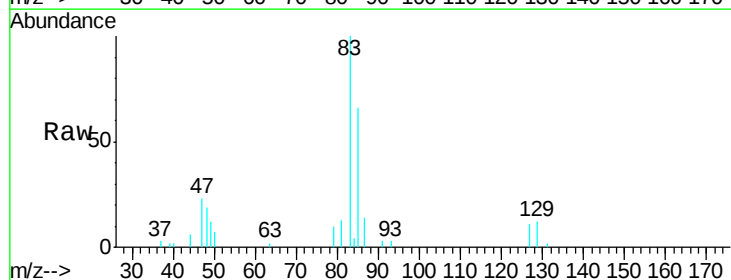
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL3

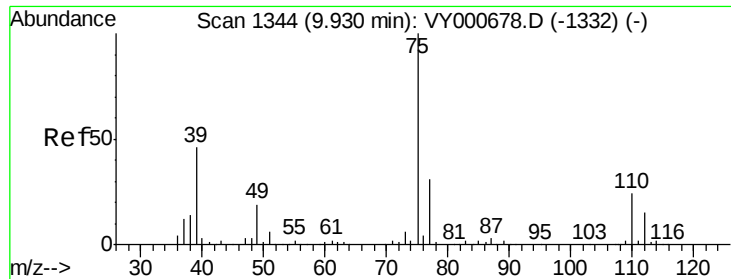
Tgt Ion: 63 Resp: 5814
 Ion Ratio Lower Upper
 63 100
 112 1.6 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 2.743 ug/L
 RT: 9.50 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VY000682.D
 Acq: 14 Nov 2019 19:42

Tgt Ion: 83 Resp: 7266
 Ion Ratio Lower Upper
 83 100
 85 65.8 42.2 78.4
 127 11.1 6.4 9.6#

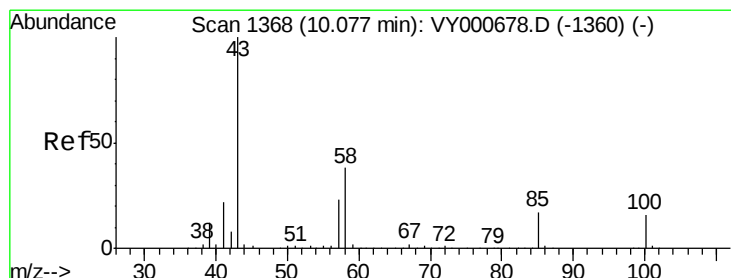
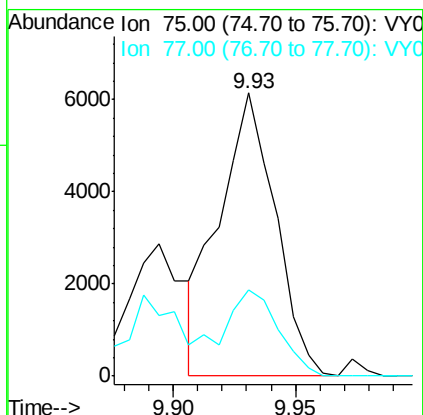
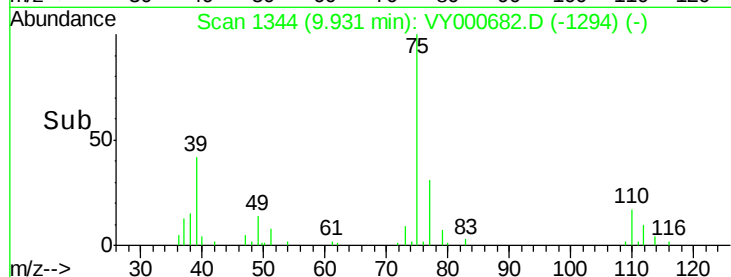
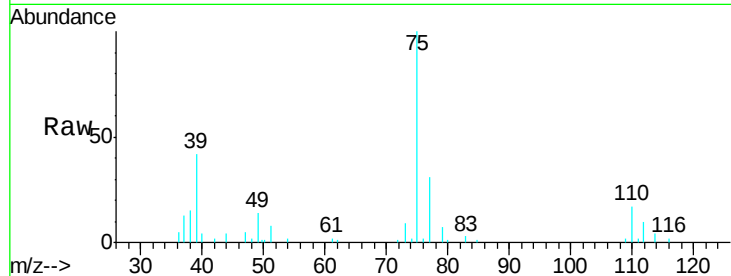




#39
 cis-1,3-Dichloropropene
 Concen: 2.922 ug/L
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.01 min
 Lab File: VY000682.D
 Acq: 14 Nov 2019 19:42

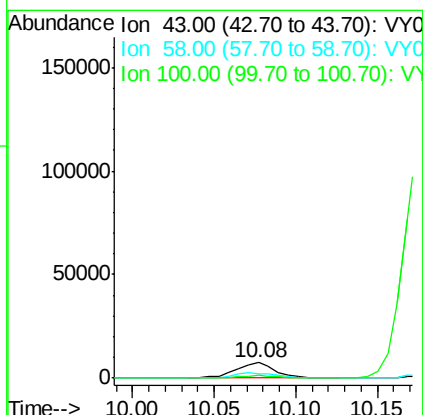
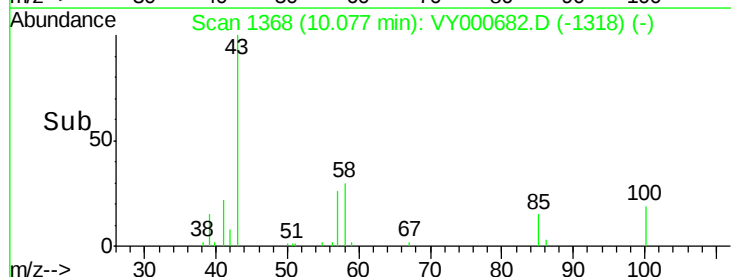
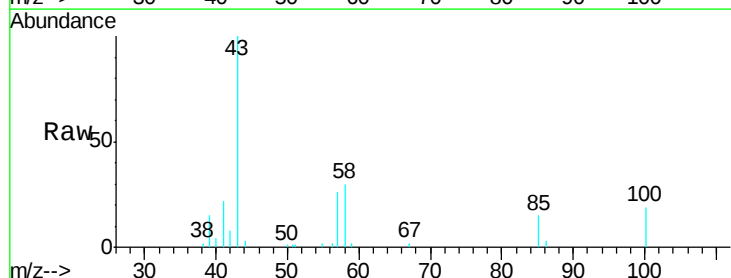
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL3

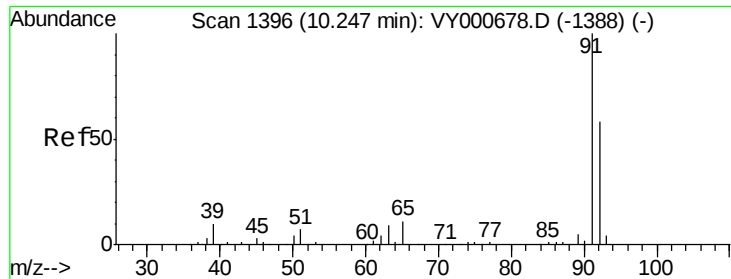
Tgt Ion: 75 Resp: 9791
 Ion Ratio Lower Upper
 75 100
 77 30.5 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 5.454 ug/L
 RT: 10.08 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VY000682.D
 Acq: 14 Nov 2019 19:42

Tgt Ion: 43 Resp: 12337
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.2 45.2
 100 15.6 12.2 18.2





#42

Toluene

Concen: 2.518 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Instrument :

MSVOA_Y

ClientSampleId :

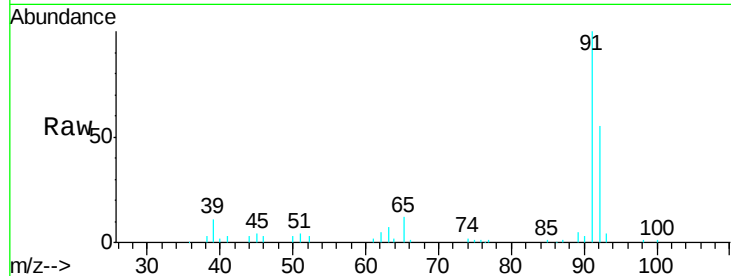
MDL3

Tgt Ion: 91 Resp: 21191

Ion Ratio Lower Upper

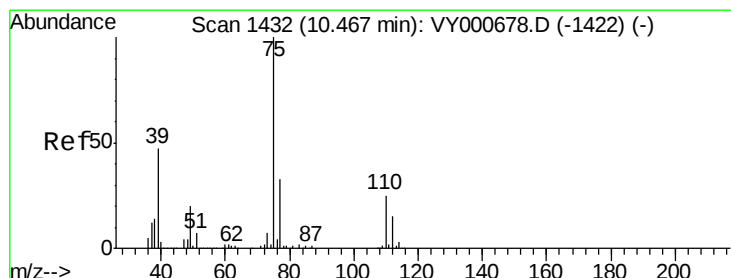
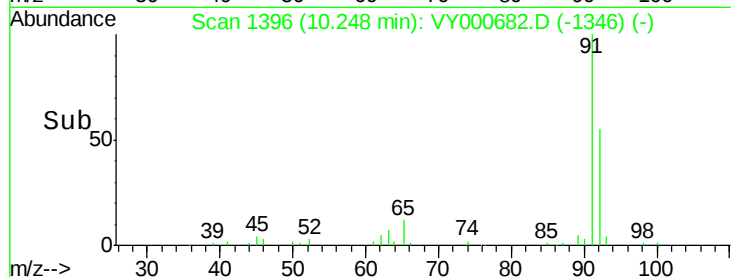
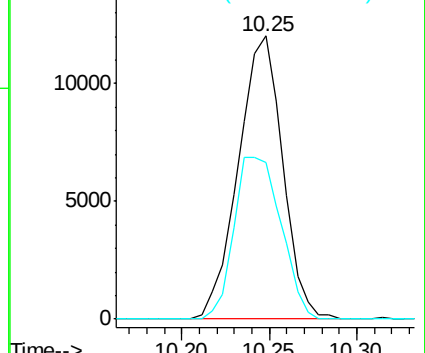
91 100

92 55.4 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: 2.986 ug/L

RT: 10.46 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VY000682.D

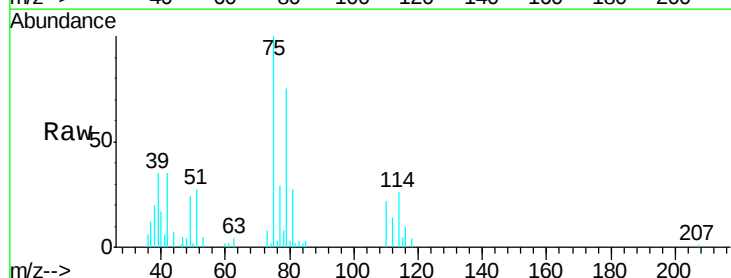
Acq: 14 Nov 2019 19:42

Tgt Ion: 75 Resp: 8760

Ion Ratio Lower Upper

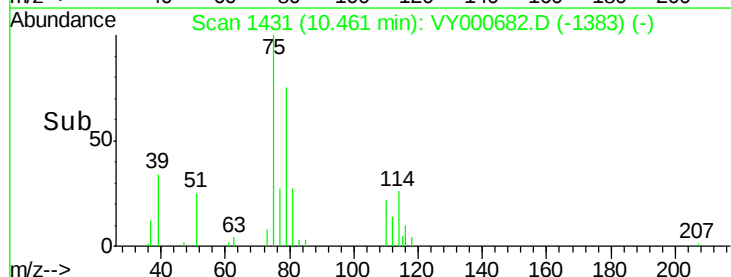
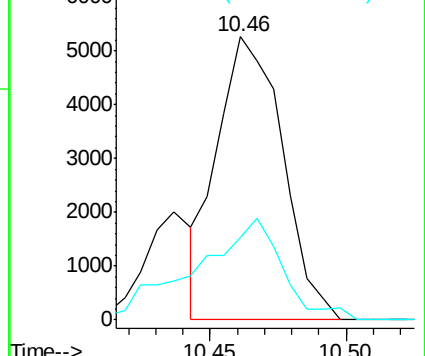
75 100

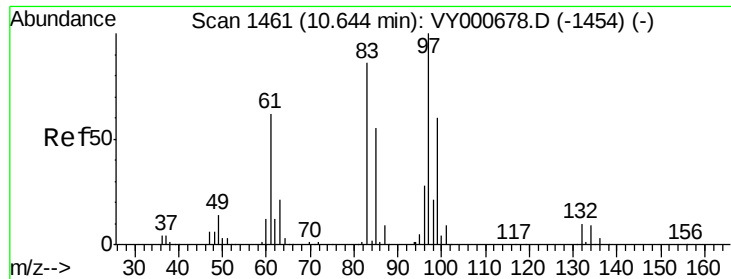
77 29.2 22.0 41.0



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: 2.837 ug/L

RT: 10.64 min Scan# 1461

Delta R.T. -0.00 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Instrument :

MSVOA_Y

ClientSampled :

MDL3

Tgt Ion: 97 Resp: 5307

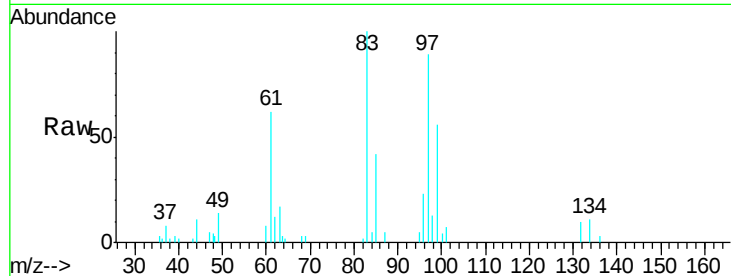
Ion Ratio Lower Upper

97 100

99 62.6 40.6 75.4

83 112.0 60.0 111.4#

85 47.5 37.9 70.5

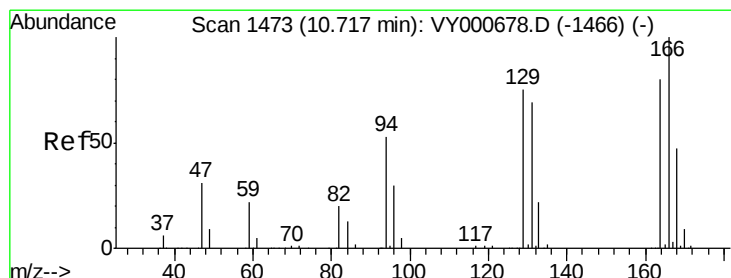
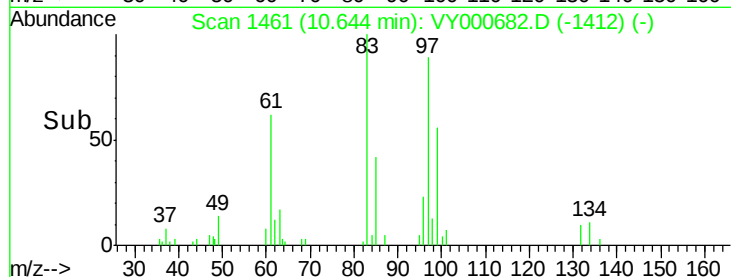
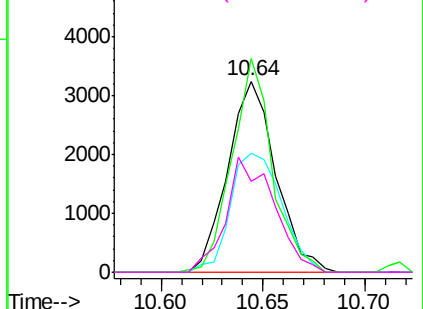


Abundance Ion 97.00 (96.70 to 97.70): VY0

Ion 99.00 (98.70 to 99.70): VY0

Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#46

Tetrachloroethene

Concen: 2.029 ug/L

RT: 10.71 min Scan# 1472

Delta R.T. -0.01 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Tgt Ion: 164 Resp: 3134

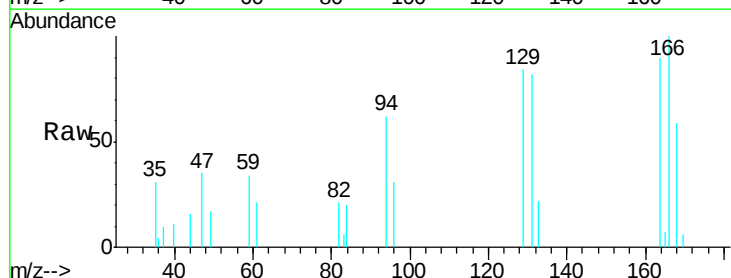
Ion Ratio Lower Upper

164 100

129 93.1 65.5 121.7

131 90.5 60.1 111.7

166 110.8 88.1 163.7

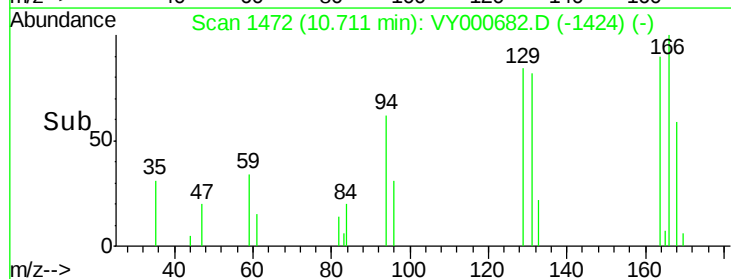
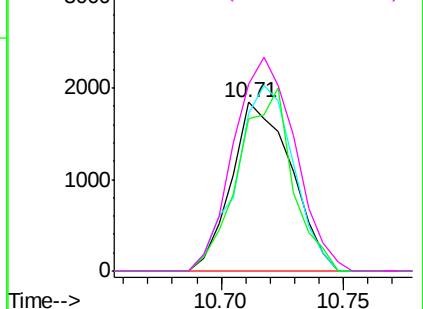


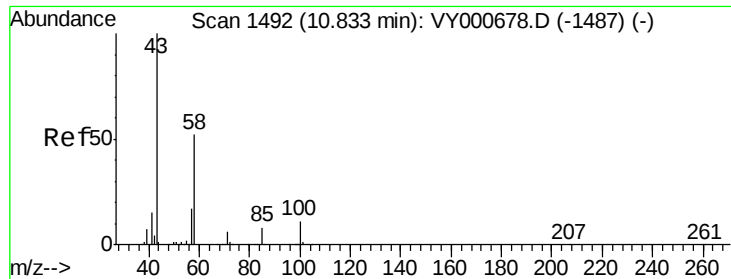
Abundance Ion 164.00 (163.70 to 164.70): V

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

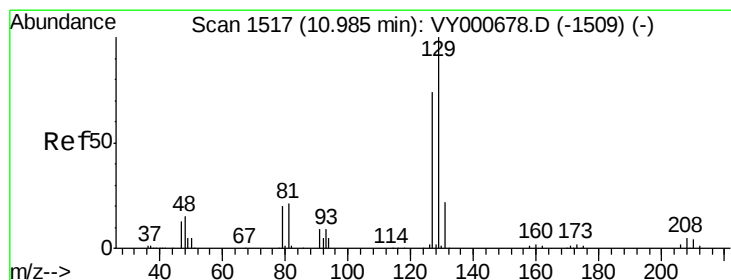
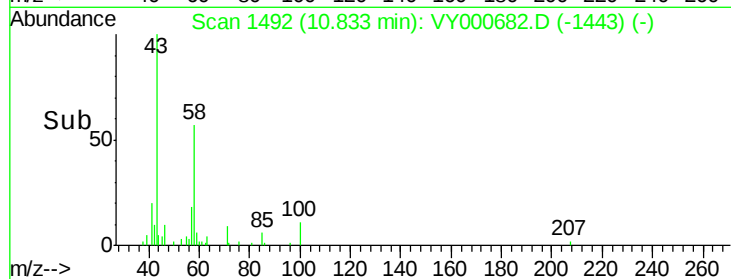
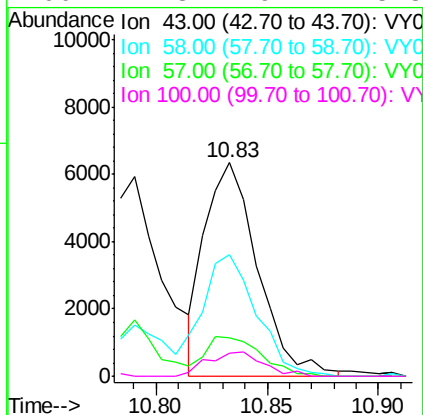
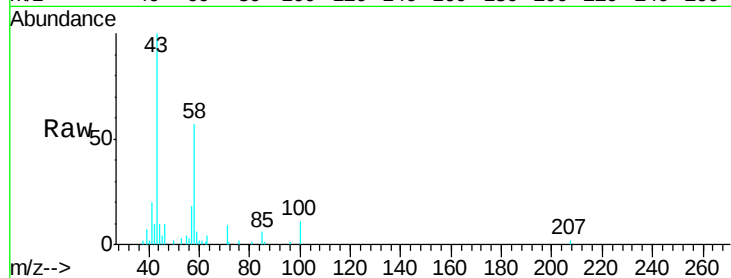




#48
2-Hexanone
Concen: 6.420 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

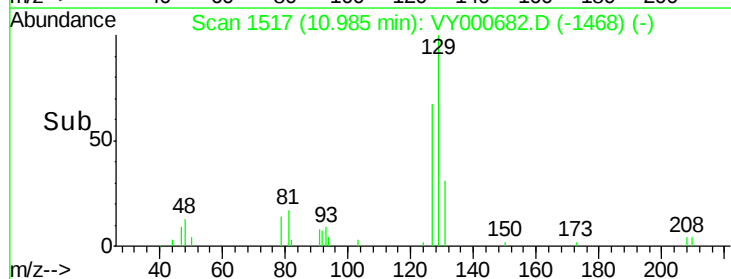
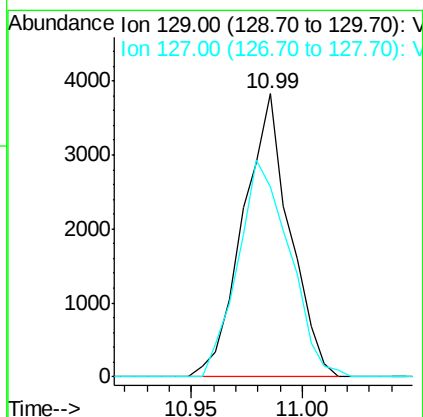
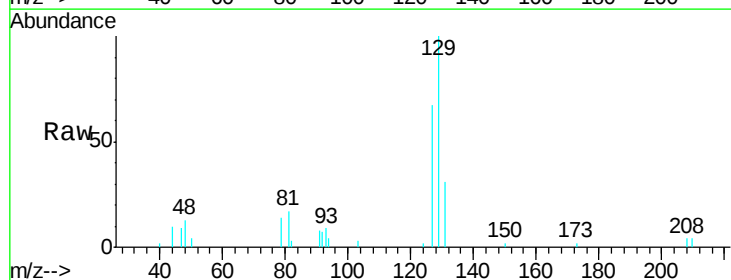
Instrument :
MSVOA_Y
ClientSampleId :
MDL3

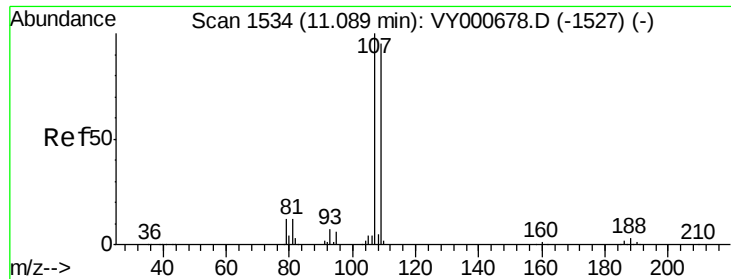
Tgt Ion:	43	Resp:	10485
Ion	Ratio	Lower	Upper
43	100		
58	59.2	42.3	63.5
57	19.6	13.8	20.6
100	12.3	9.2	13.8



#49
Dibromochloromethane
Concen: 2.763 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Tgt Ion:	129	Resp:	5598
Ion	Ratio	Lower	Upper
129	100		
127	67.0	55.9	103.7

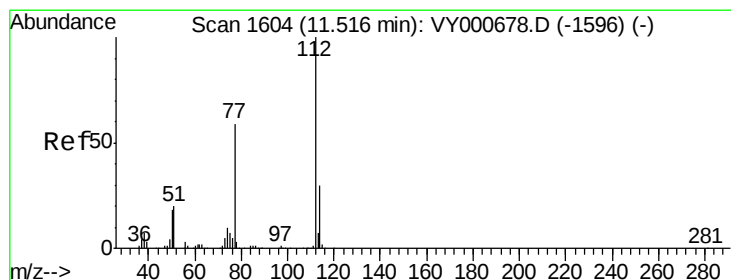
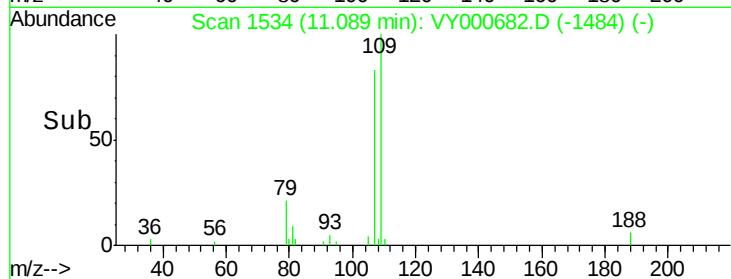
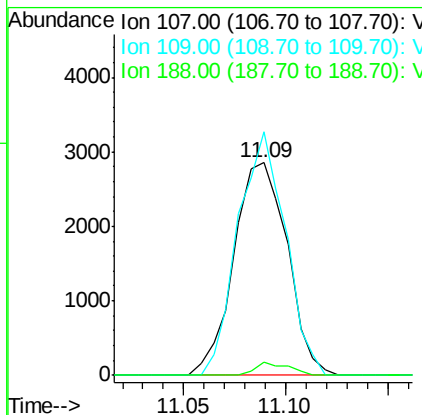
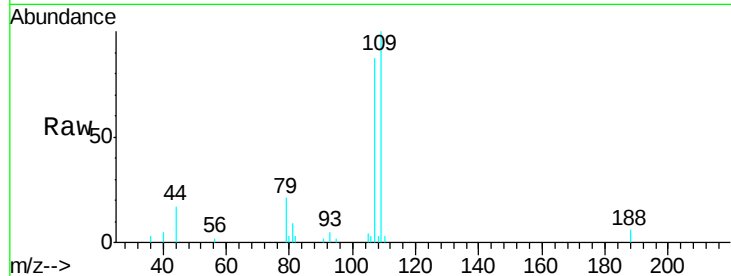




#50
 1,2-Dibromoethane
 Concen: 2.781 ug/L
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VY000682.D
 Acq: 14 Nov 2019 19:42

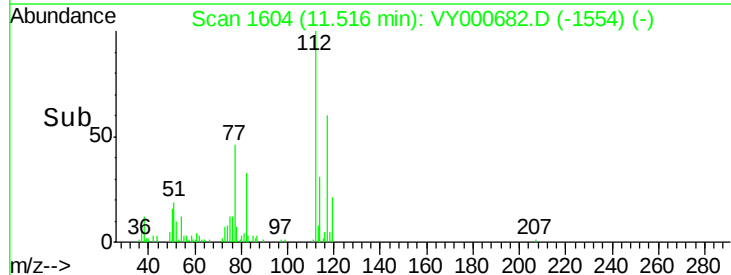
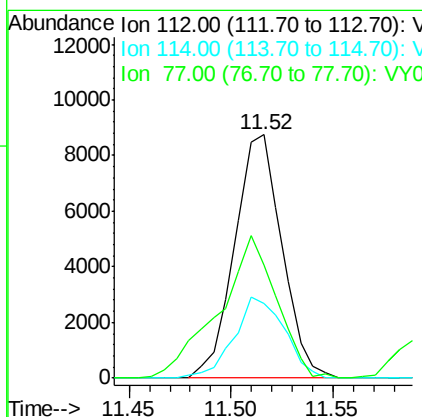
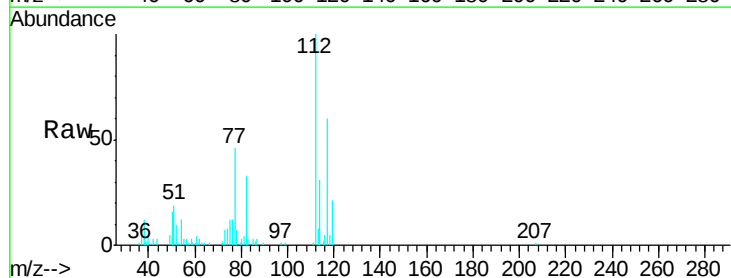
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

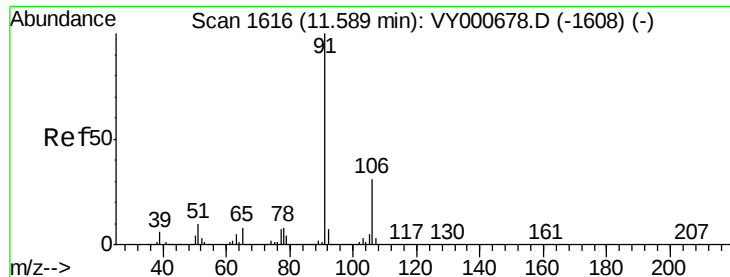
Tgt Ion:107 Resp: 5207
 Ion Ratio Lower Upper
 107 100
 109 114.4 62.9 116.9
 188 6.4 2.4 3.6#



#51
 Chlorobenzene
 Concen: 2.607 ug/L
 RT: 11.52 min Scan# 1604
 Delta R.T. 0.01 min
 Lab File: VY000682.D
 Acq: 14 Nov 2019 19:42

Tgt Ion:112 Resp: 14132
 Ion Ratio Lower Upper
 112 100
 114 30.8 23.3 43.3
 77 46.4 46.5 69.7#





#52

Ethylbenzene

Concen: 2.198 ug/L

RT: 11.60 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Instrument :

MSVOA_Y

ClientSampled :

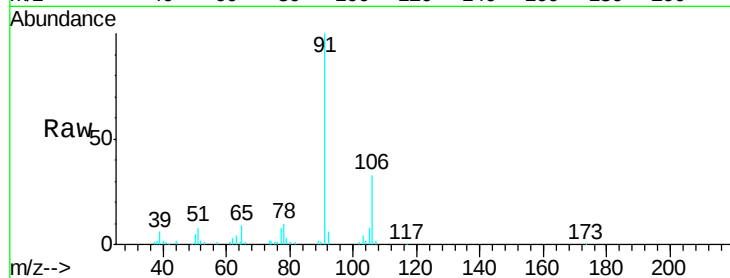
MDL3

Tgt Ion: 91 Resp: 21110

Ion Ratio Lower Upper

91 100

106 33.1 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VY000678.D (-1608) (-)

Ion 106.00 (105.70 to 106.70): VY000678.D (-1608) (-)

11.60

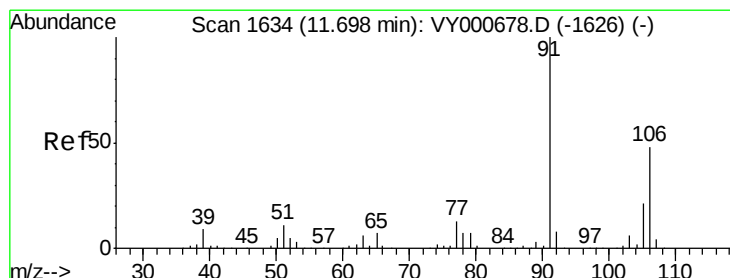
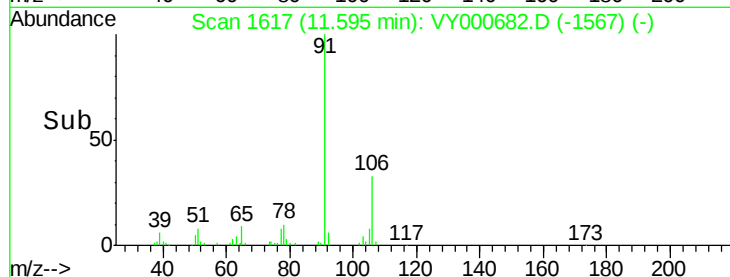
15000

10000

5000

0

Time-->



#53

m,p-Xylene

Concen: 2.242 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY000682.D

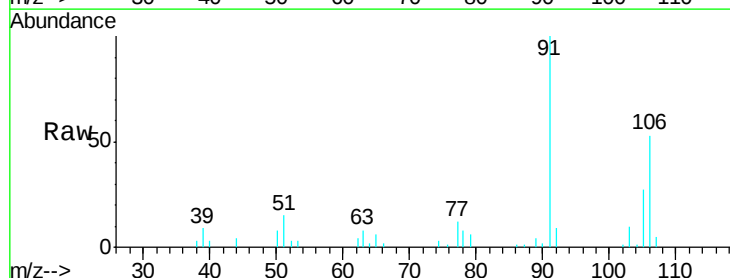
Acq: 14 Nov 2019 19:42

Tgt Ion: 106 Resp: 8281

Ion Ratio Lower Upper

106 100

91 187.7 137.6 255.6



Abundance Ion 106.00 (105.70 to 106.70): VY000678.D (-1626) (-)

Ion 91.00 (90.70 to 91.70): VY000678.D (-1626) (-)

11.70

8000

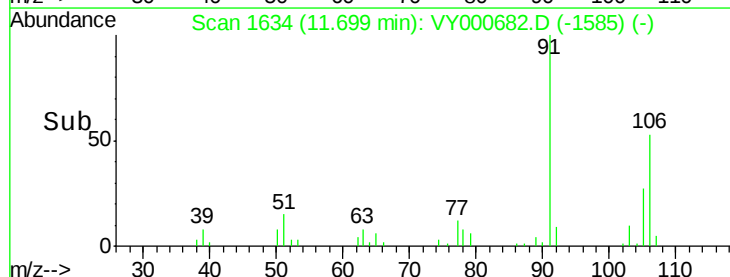
6000

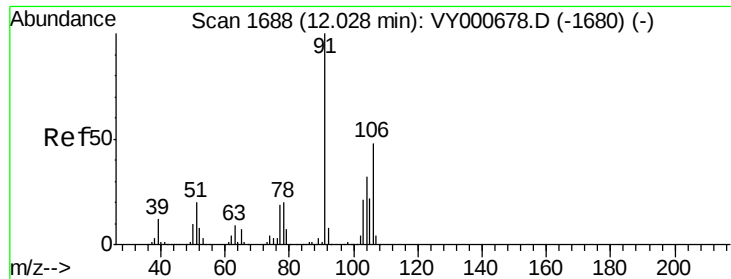
4000

2000

0

Time-->

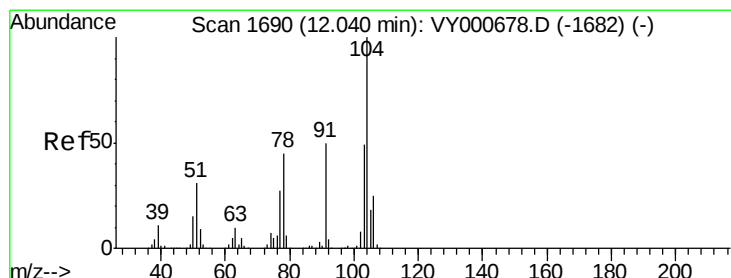
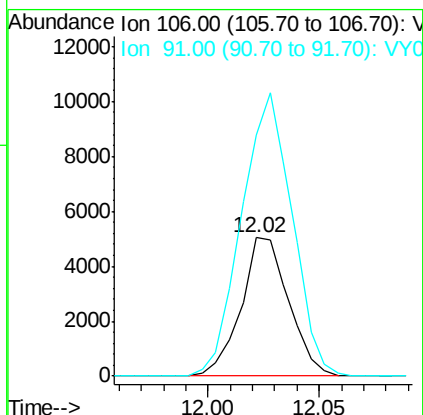
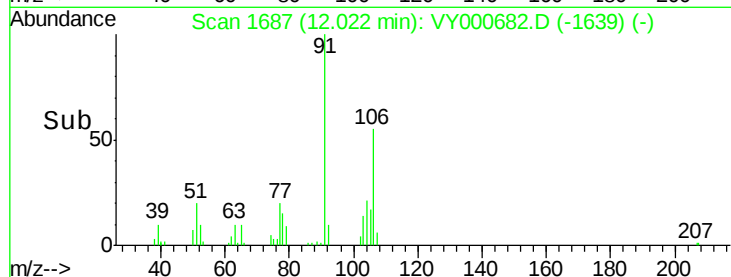
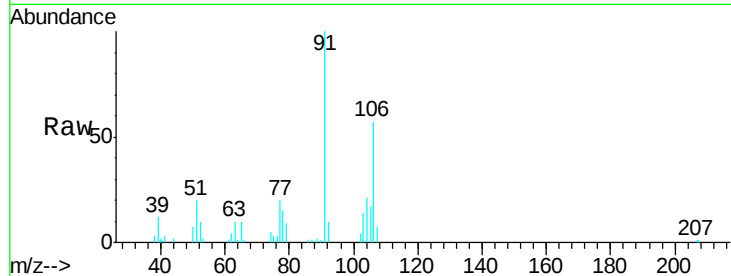




#54
o-xylene
Concen: 2.080 ug/L
RT: 12.02 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

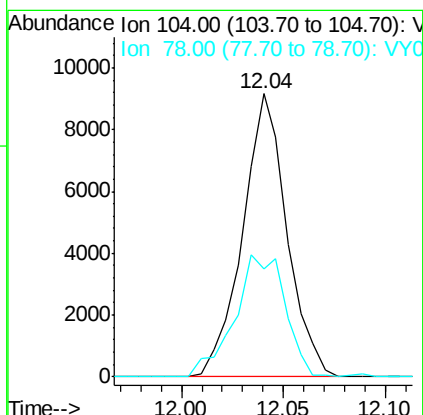
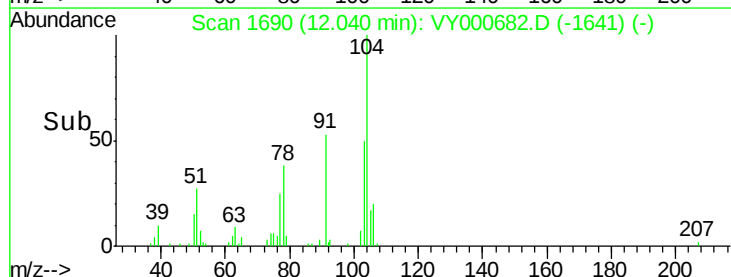
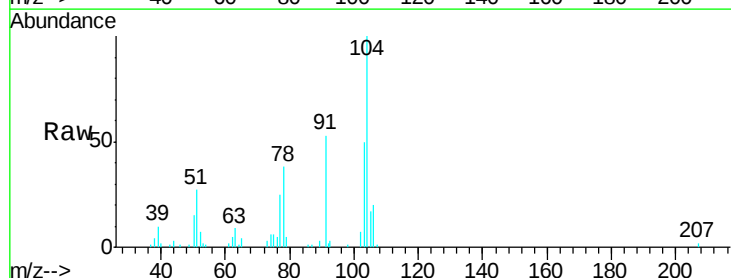
Instrument :
MSVOA_Y
ClientSampled :
MDL3

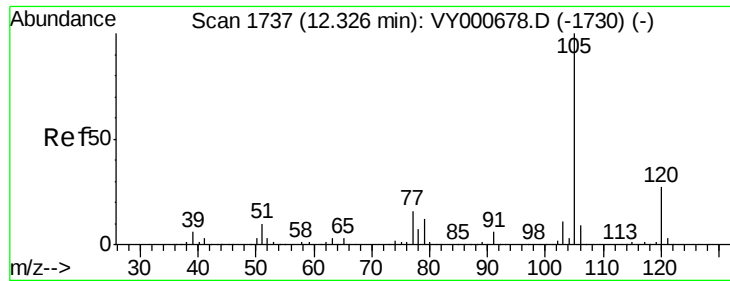
Tgt Ion:106 Resp: 7533
Ion Ratio Lower Upper
106 100
91 174.1 145.9 270.9



#55
Styrene
Concen: 2.246 ug/L
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Tgt Ion:104 Resp: 13816
Ion Ratio Lower Upper
104 100
78 38.2 31.4 58.4





#56

Isopropylbenzene

Concen: 1.877 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

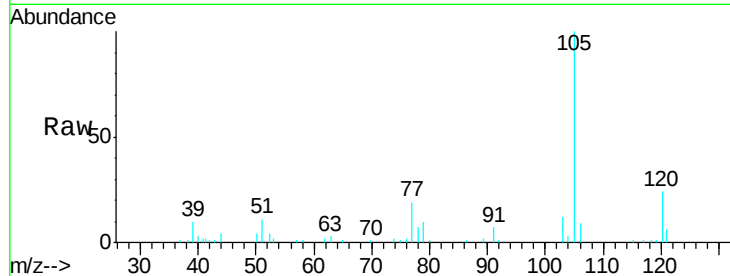
Tgt Ion: 105 Resp: 17395

Ion Ratio Lower Upper

105 100

120 27.3 21.4 32.2

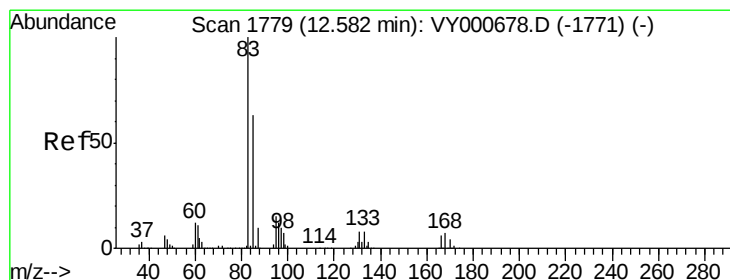
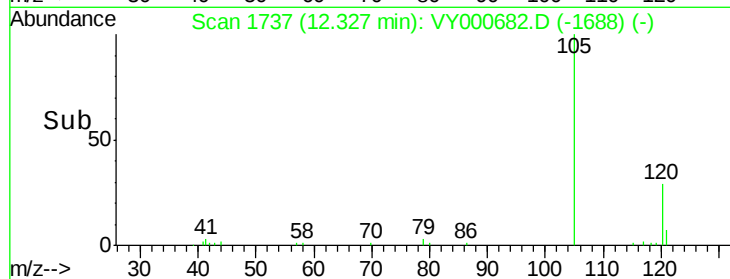
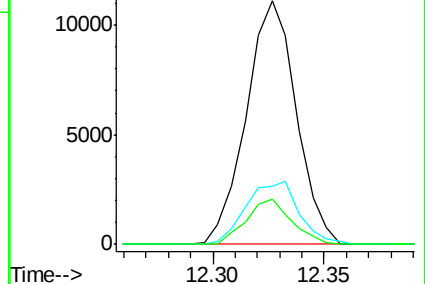
77 16.7 12.9 19.3



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: 3.144 ug/L

RT: 12.58 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

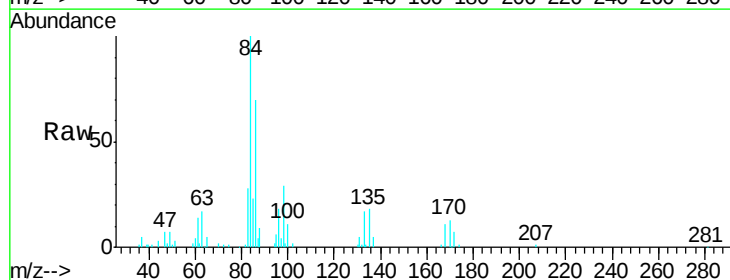
Tgt Ion: 83 Resp: 8321

Ion Ratio Lower Upper

83 100

85 79.7 45.0 83.6

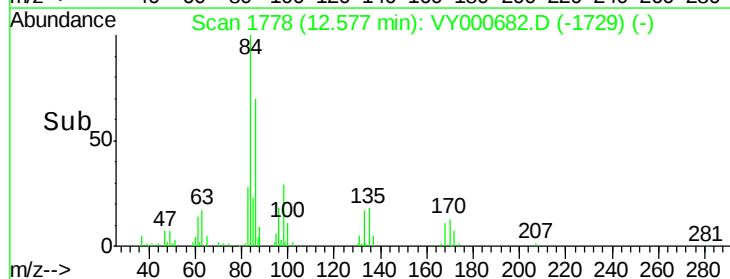
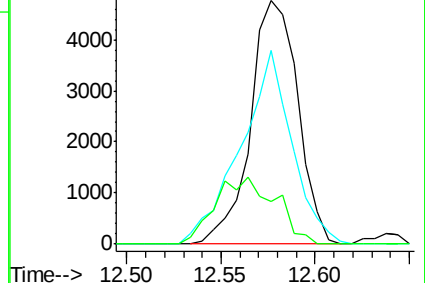
131 17.6 6.6 9.8#

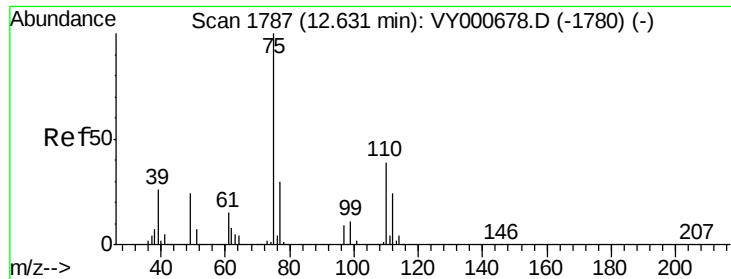


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 131.00 (130.70 to 131.70): V

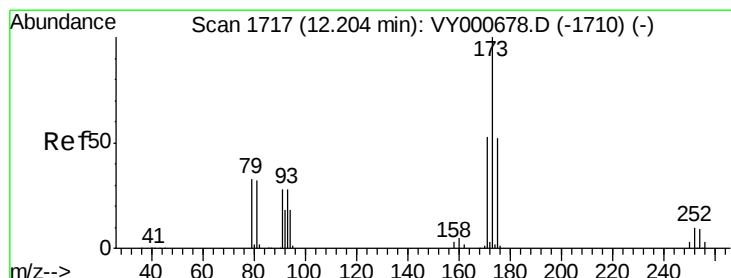
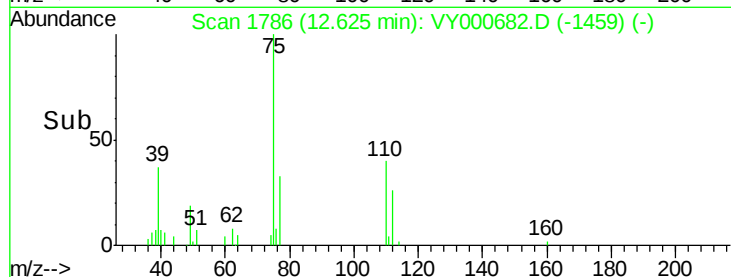
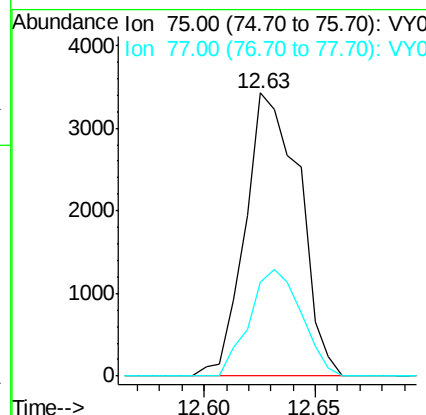
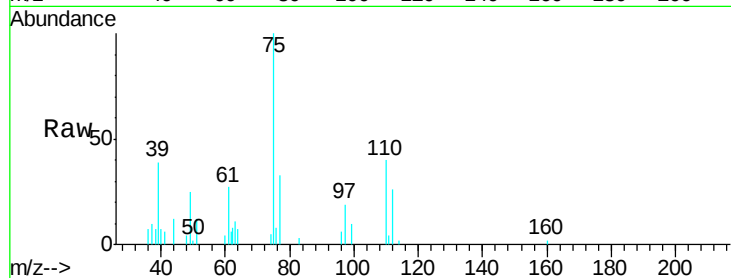




#59
 1,2,3-Trichloropropane
 Concen: 2.771 ug/L
 RT: 12.63 min Scan# 1786
 Delta R.T. -0.01 min
 Lab File: VY000682.D
 Acq: 14 Nov 2019 19:42

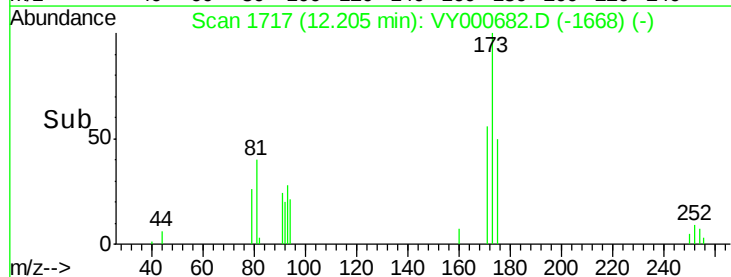
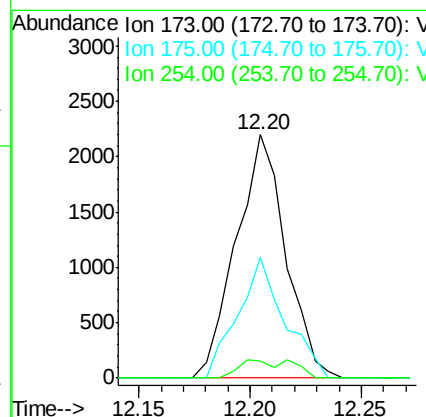
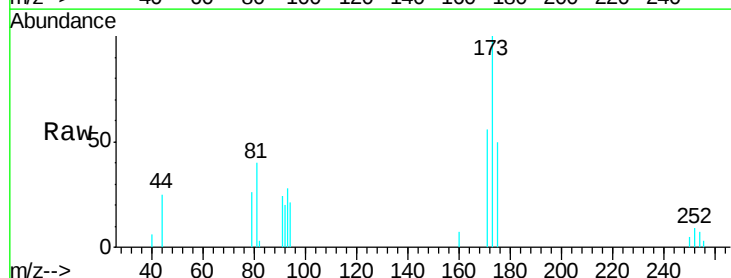
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

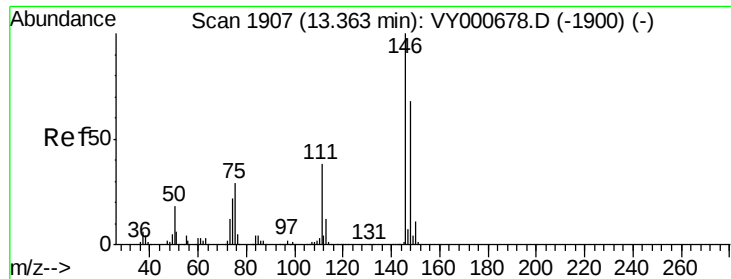
Tgt Ion: 75 Resp: 5801
 Ion Ratio Lower Upper
 75 100
 77 35.9 25.5 38.3



#61
 Bromoform
 Concen: 2.766 ug/L
 RT: 12.20 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: VY000682.D
 Acq: 14 Nov 2019 19:42

Tgt Ion: 173 Resp: 3414
 Ion Ratio Lower Upper
 173 100
 175 46.6 36.6 55.0
 254 5.2 7.4 11.2#

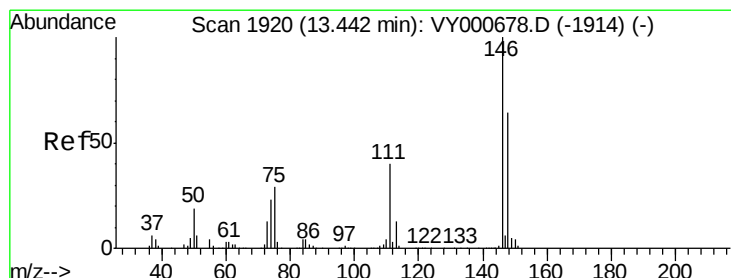
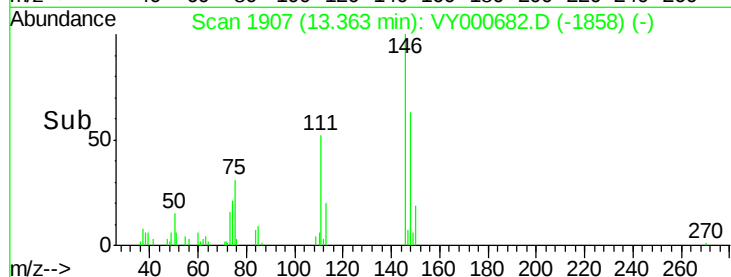
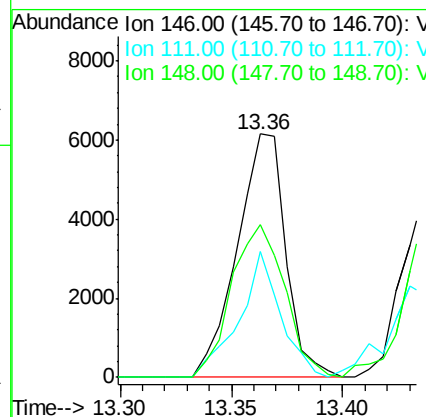
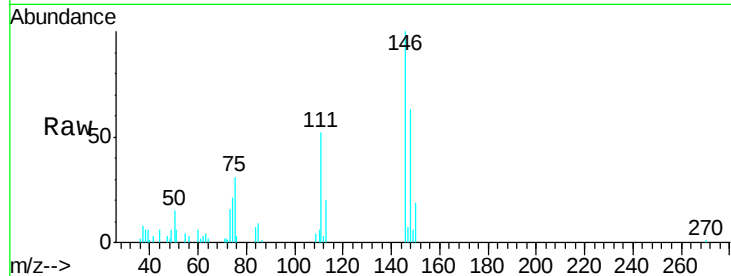




#62
 1,3-Dichlorobenzene
 Concen: 2.448 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY000682.D
 Acq: 14 Nov 2019 19:42

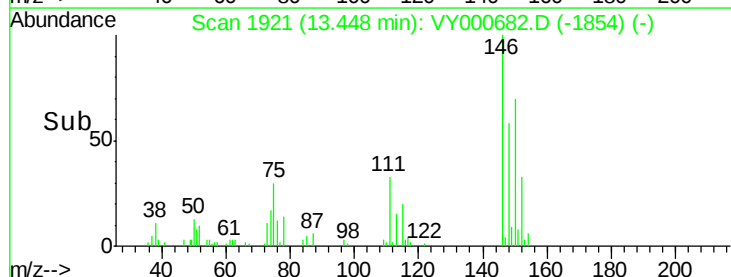
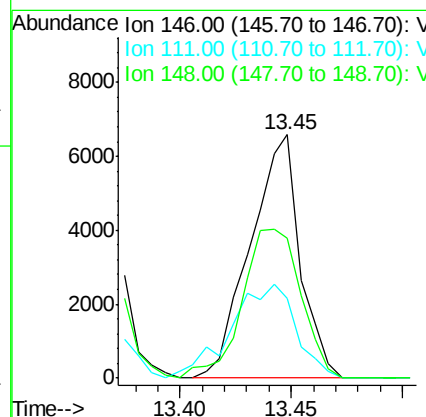
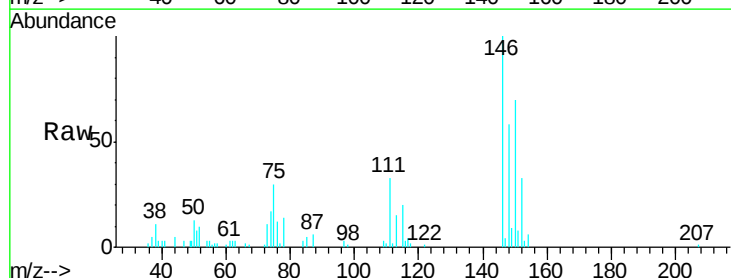
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

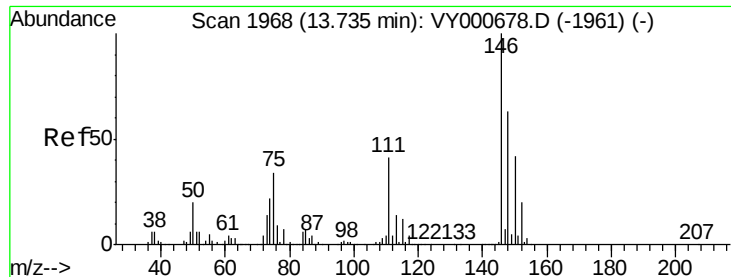
Tgt Ion:146 Resp: 9358
 Ion Ratio Lower Upper
 146 100
 111 51.7 28.4 52.8
 148 62.7 44.1 81.9



#63
 1,4-Dichlorobenzene
 Concen: 2.612 ug/L
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY000682.D
 Acq: 14 Nov 2019 19:42

Tgt Ion:146 Resp: 10230
 Ion Ratio Lower Upper
 146 100
 111 32.8 27.4 51.0
 148 57.5 45.2 84.0





#65

1,2-Dichlorobenzene

Concen: 2.864 ug/L

RT: 13.73 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Instrument :

MSVOA_Y

ClientSampled :

MDL3

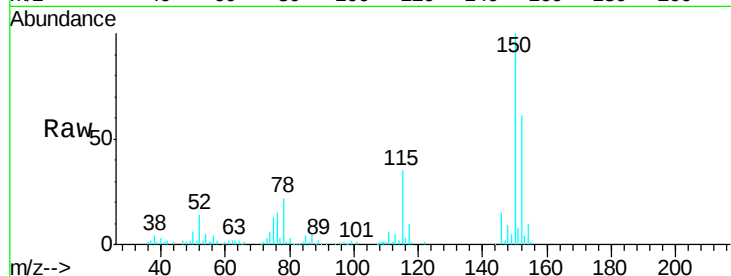
Tgt Ion:146 Resp: 10786

Ion Ratio Lower Upper

146 100

111 37.5 33.4 50.0

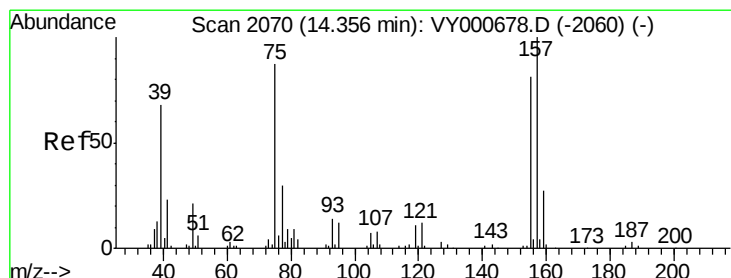
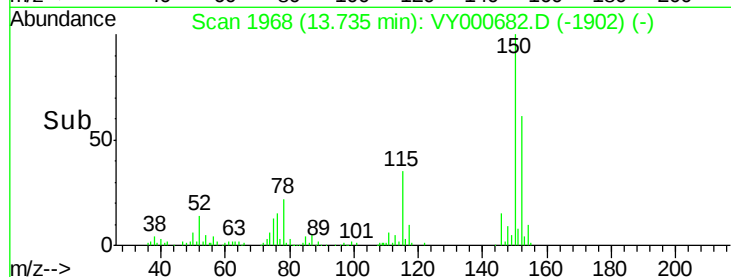
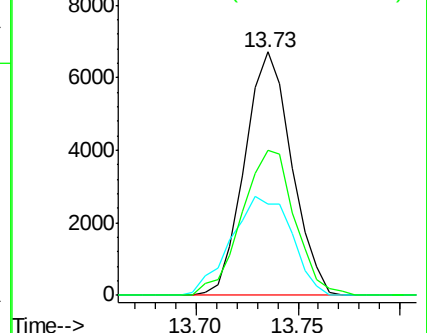
148 59.6 50.8 76.2



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: 3.231 ug/L

RT: 14.36 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

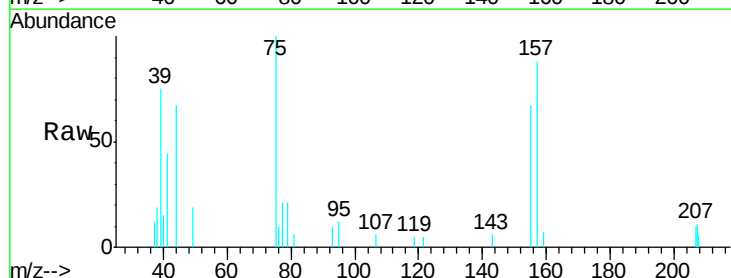
Tgt Ion: 75 Resp: 1470

Ion Ratio Lower Upper

75 100

155 67.3 67.7 101.5#

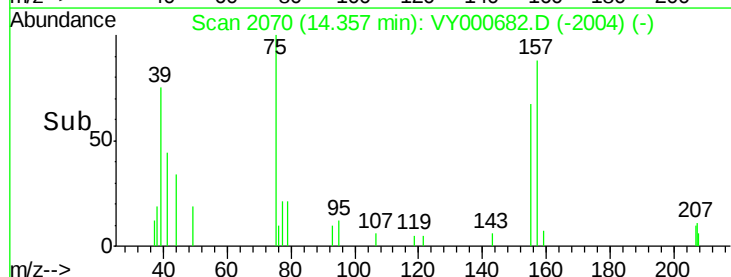
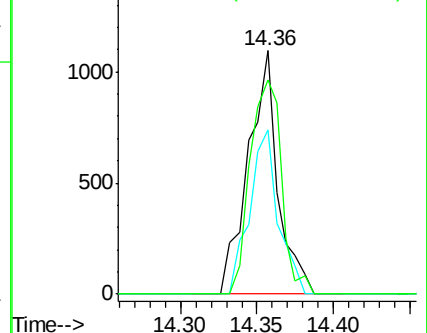
157 87.7 77.8 116.8

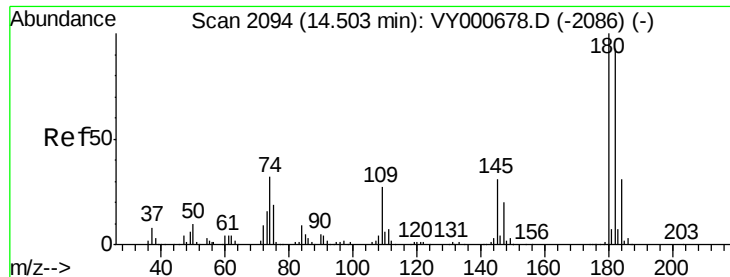


Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

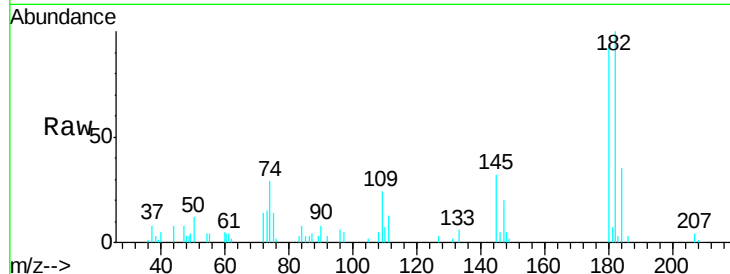




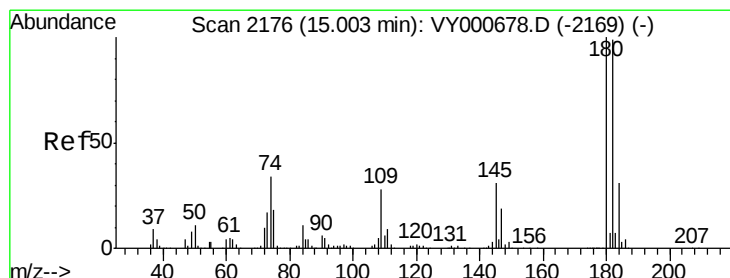
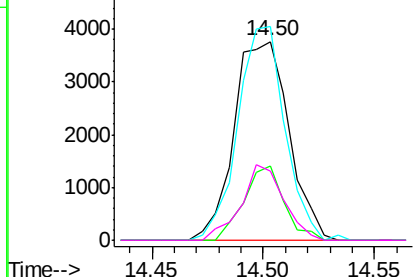
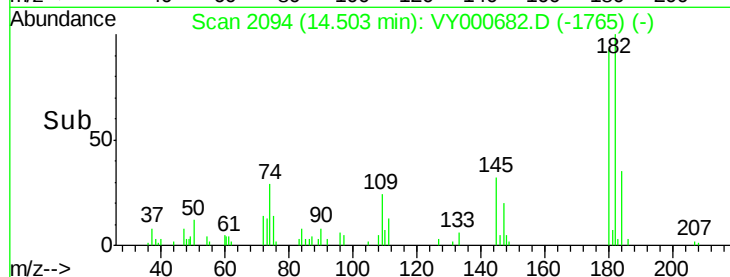
#67
 1,3,5-Trichlorobenzene
 Concen: 2.422 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY000682.D
 Acq: 14 Nov 2019 19:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Tgt Ion:180 Resp: 6464
 Ion Ratio Lower Upper
 180 100
 182 92.4 77.8 116.6
 184 27.5 25.2 37.8
 145 29.7 24.9 37.3

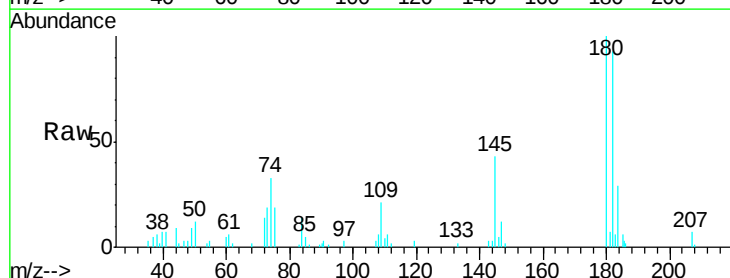


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

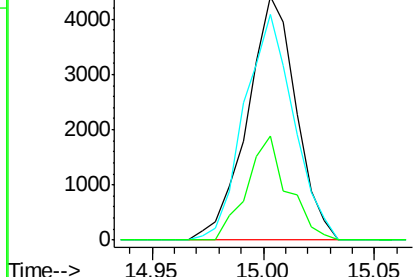
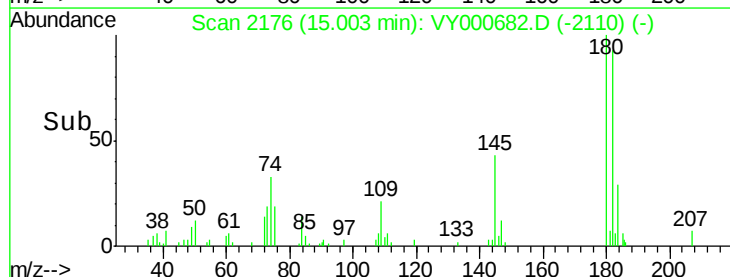


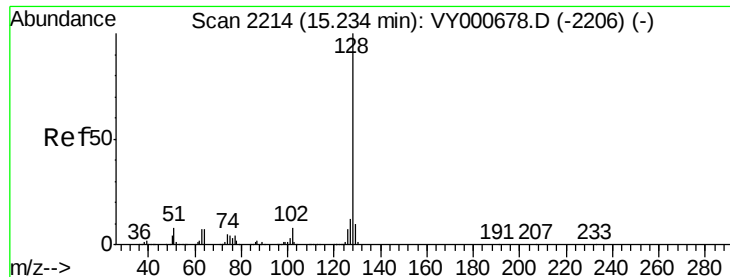
#68
 1,2,4-trichlorobenzene
 Concen: 2.688 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY000682.D
 Acq: 14 Nov 2019 19:42

Tgt Ion:180 Resp: 6728
 Ion Ratio Lower Upper
 180 100
 182 94.1 75.5 113.3
 145 35.8 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: 2.712 ug/L

RT: 15.23 min Scan# 2213

Delta R.T. -0.01 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

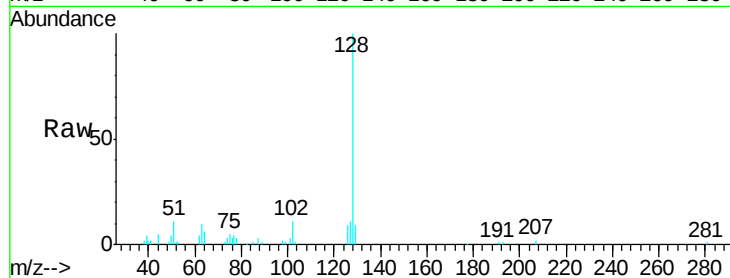
Tgt Ion:128 Resp: 20284

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

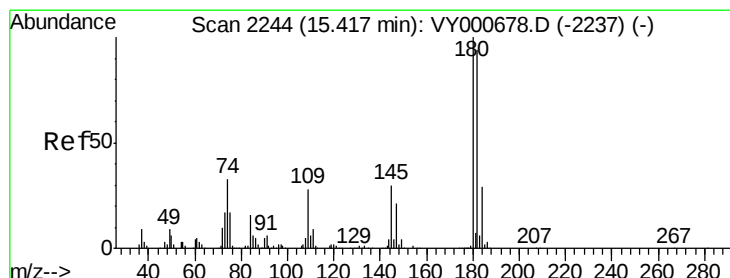
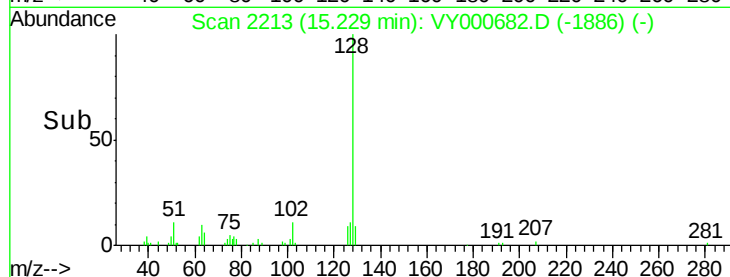
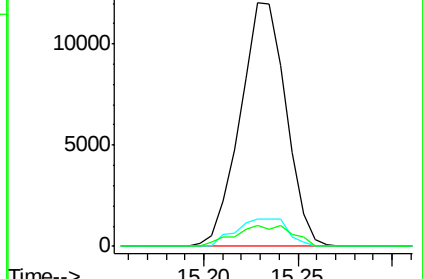
129 6.8 8.7 13.1#



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: 2.695 ug/L

RT: 15.42 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

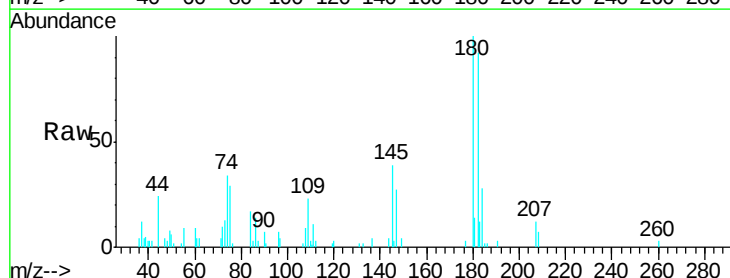
Tgt Ion:180 Resp: 6492

Ion Ratio Lower Upper

180 100

182 94.7 75.3 112.9

145 34.5 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

