

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111820\
 Data File : VY003537.D
 Acq On : 18 Nov 2020 18:51
 Operator : SY/MD
 Sample : VST10079
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD10079

Quant Time: Nov 19 03:06:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111820S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 19 03:03:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	254267	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	234346	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	112798	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.26	65	248371	112.47	ug/L	0.00
7) Chloroethane-d5	2.77	69	235391	107.82	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	625972	103.62	ug/L	0.00
20) 2-Butanone-d5	6.91	46	258785	191.73	ug/L	0.00
24) Chloroform-d	7.49	84	626677	103.86	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	344968	103.54	ug/L	0.00
29) Benzene-d6	8.11	84	1280107	101.79	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.13	67	391173	103.37	ug/L	0.00
37) Toluene-d8	10.18	98	1193207	103.72	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	195690	106.75	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	203485	206.77	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	326591	100.69	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	360521	105.25	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.92	85	171894	106.835	ug/L 88
3) Chloromethane	2.12	50	288100	100.714	ug/L 96
5) Vinyl chloride	2.26	62	338251	105.938	ug/L 100
6) Bromomethane	2.66	94	258810	106.964	ug/L 98
8) Chloroethane	2.80	64	222198	101.492	ug/L 97
9) Trichlorofluoromethane	3.13	101	327879	102.424	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	315635	99.157	ug/L 99
12) 1,1-Dichloroethene	3.88	96	341645	99.927	ug/L 97
13) Acetone	3.97	43	159551	176.184	ug/L 99
14) Carbon disulfide	4.20	76	1109880	96.932	ug/L 100
15) Methyl Acetate	4.49	43	222581	93.702	ug/L 100
16) Methylene chloride	4.72	84	354878	88.839	ug/L 97
17) Methyl tert-butyl Ether	5.23	73	528200	95.238	ug/L 99
18) trans-1,2-Dichloroethene	5.23	96	352619	96.667	ug/L 97
19) 1,1-Dichloroethane	6.03	63	608969	97.295	ug/L 98
21) 2-Butanone	7.00	43	275792	173.133	ug/L 98
22) cis-1,2-Dichloroethene	6.99	96	374689	97.766	ug/L 99
23) Bromochloromethane	7.35	128	177091	94.441	ug/L 95
25) Chloroform	7.52	83	598861	98.312	ug/L 100
27) 1,2-Dichloroethane	8.24	62	398399	95.374	ug/L 99
30) Cyclohexane	7.79	56	567255	102.778	ug/L 99
31) 1,1,1-Trichloroethane	7.71	97	468724	95.821	ug/L 97
32) Carbon tetrachloride	7.91	117	455502	101.995	ug/L 97
34) Benzene	8.17	78	1386865	94.126	ug/L 100
35) Trichloroethene	8.94	95	346161	95.345	ug/L 99
36) Methylcyclohexane	9.19	83	596033	111.788	ug/L 94
40) 1,2-Dichloropropane	9.22	63	343567	93.309	ug/L 100
41) Bromodichloromethane	9.50	83	448490	97.101	ug/L 99
42) cis-1,3-Dichloropropene	9.93	75	566125	97.679	ug/L 96
43) 4-Methyl-2-pentanone	10.07	43	584769	195.252	ug/L 100

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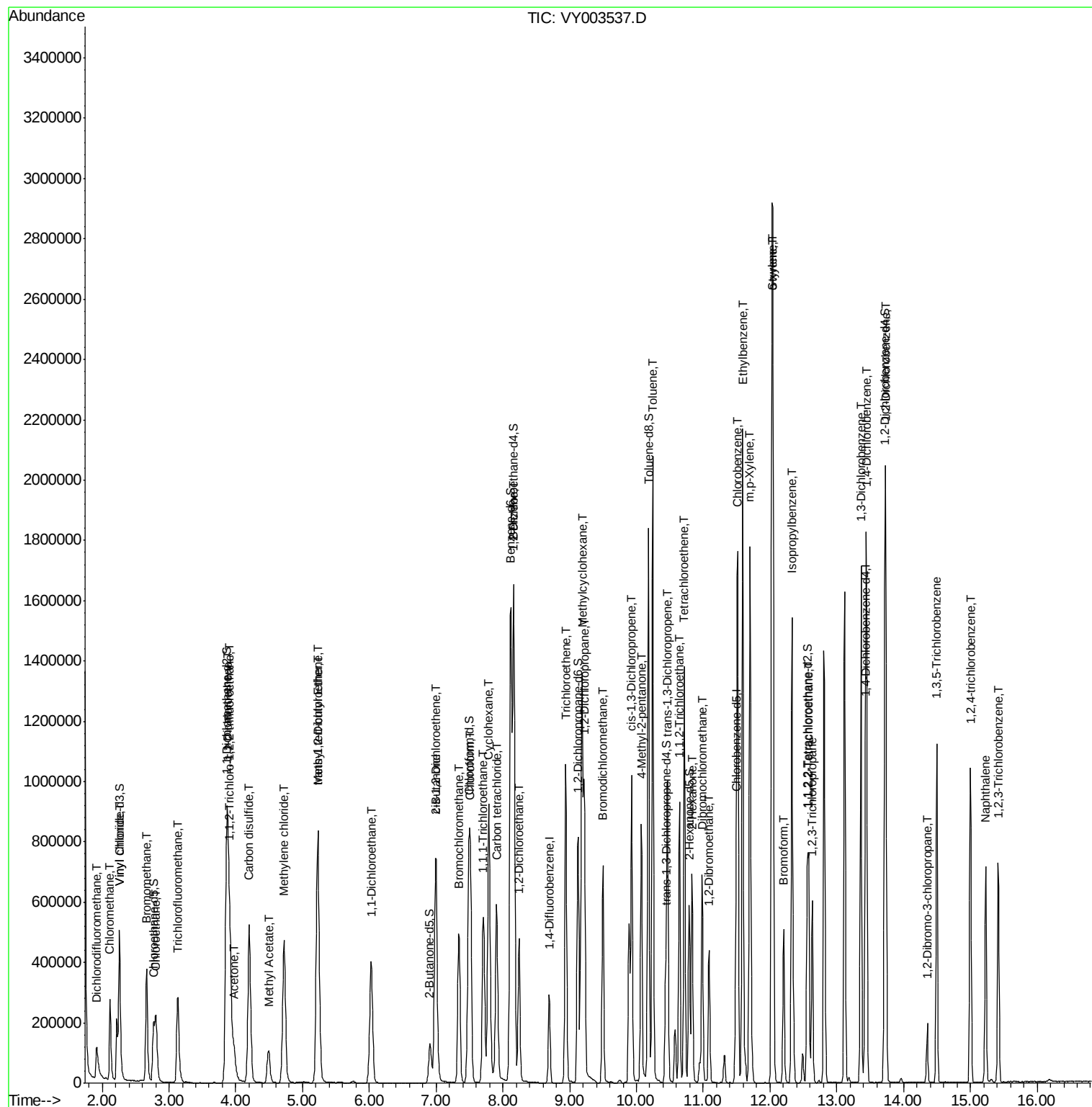
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.24	91	1477238	96.320	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	514870	97.619	ug/L	100
46) 1,1,2-Trichloroethane	10.64	97	277204	93.847	ug/L	99
47) Tetrachloroethene	10.72	164	304852	98.712	ug/L	97
49) 2-Hexanone	10.83	43	434835	181.261	ug/L	99
50) Dibromochloromethane	10.99	129	340502	97.192	ug/L	96
51) 1,2-Dibromoethane	11.09	107	274453	94.486	ug/L	94
52) Chlorobenzene	11.52	112	925221	94.881	ug/L	99
53) Ethylbenzene	11.59	91	1544489	98.755	ug/L	99
54) m,p-Xylene	11.70	106	598835	99.823	ug/L	98
55) o-xylene	12.03	106	505230	100.751	ug/L	98
56) Styrene	12.04	104	1000364	98.352	ug/L	98
57) Isopropylbenzene	12.33	105	1112269	100.831	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	310513	93.053	ug/L	98
59) 1,2,3-Trichloropropane	12.63	75	236596	94.178	ug/L	99
62) Bromoform	12.20	173	225535	99.975	ug/L	100
63) 1,3-Dichlorobenzene	13.36	146	674483	98.409	ug/L	97
64) 1,4-Dichlorobenzene	13.44	146	684760	97.886	ug/L	98
65) 1,2-Dichlorobenzene	13.73	146	559362	98.532	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.36	75	43482	96.363	ug/L	93
67) 1,3,5-Trichlorobenzene	14.50	180	352690	98.366	ug/L	100
68) 1,2,4-trichlorobenzene	15.00	180	328251	105.672	ug/L	99
69) Naphthalene	15.23	128	596157	105.651	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	239343	100.655	ug/L	99

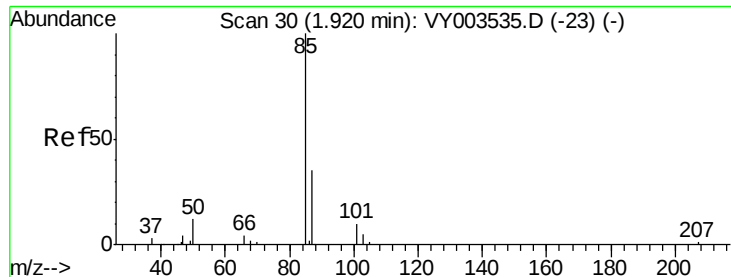
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 106.835 ug/L

RT: 1.92 min Scan# 30

Delta R.T. 0.00 min

Lab File: VY003537.D

Acq: 18 Nov 2020 18:51

Instrument :

MSVOA_Y

ClientSampleId :

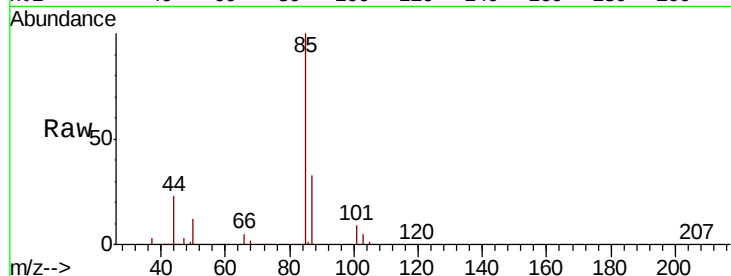
VSTD10079

Tot Ion: 85 Resp: 171894

Ion Ratio Lower Upper

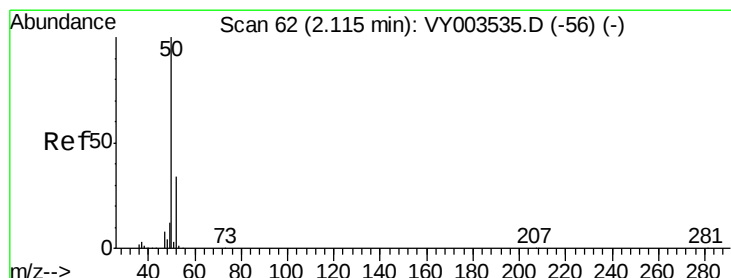
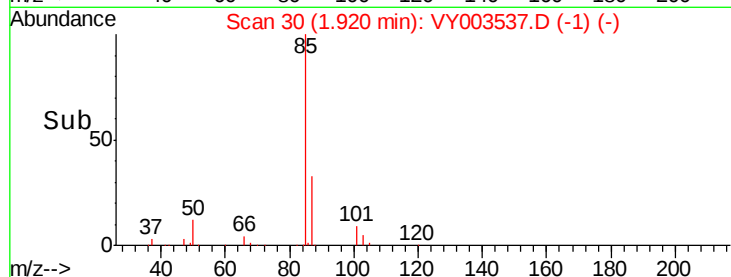
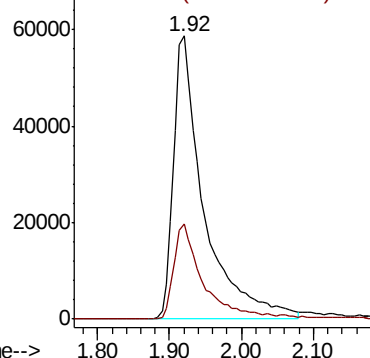
85 100

87 31.5 17.7 32.9



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 100.714 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003537.D

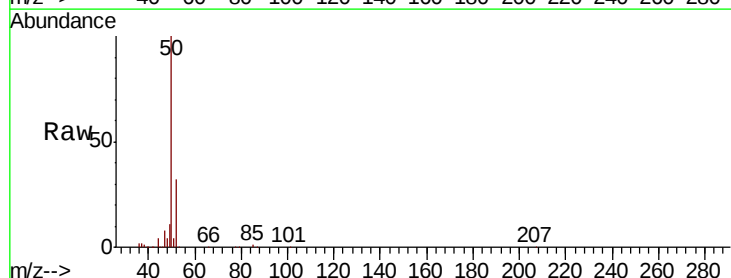
Acq: 18 Nov 2020 18:51

Tgt Ion: 50 Resp: 288100

Ion Ratio Lower Upper

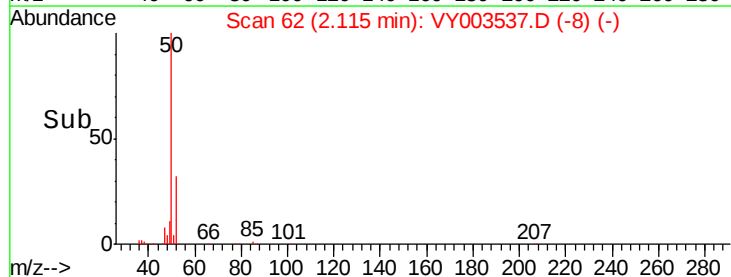
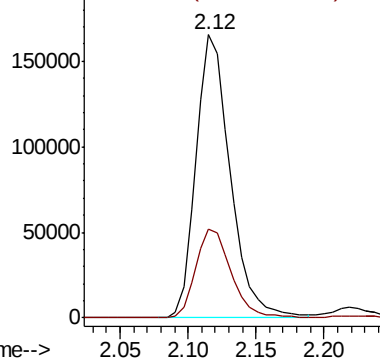
50 100

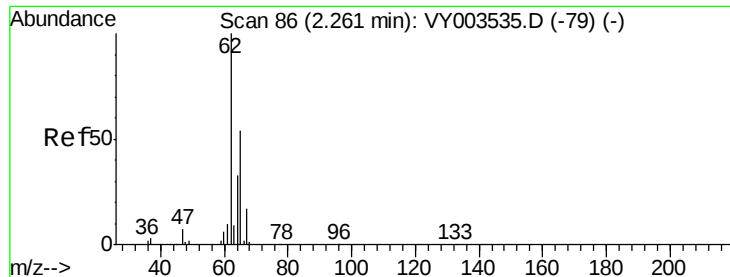
52 31.5 23.7 43.9



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 105.938 ug/L

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY003537.D

Acq: 18 Nov 2020 18:51

Instrument :

MSVOA_Y

ClientSampleId :

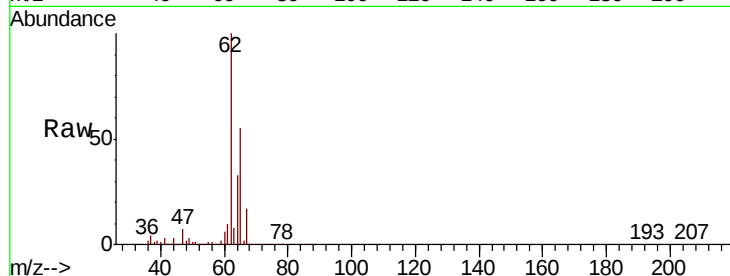
VSTD10079

Tot Ion: 62 Resp: 338251

Ion Ratio Lower Upper

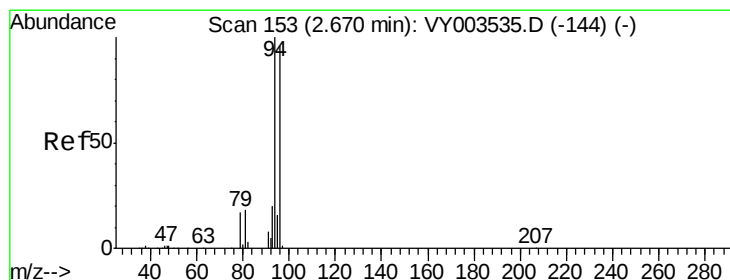
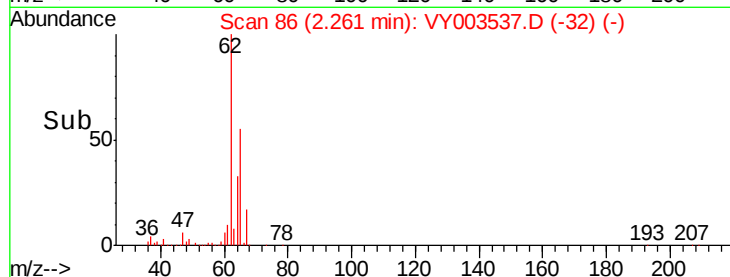
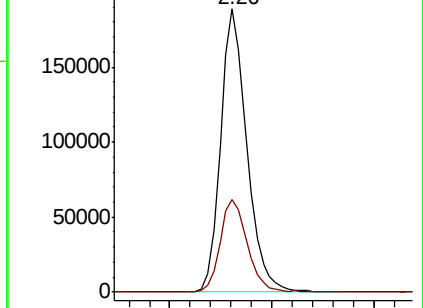
62 100

64 32.8 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 106.964 ug/L

RT: 2.66 min Scan# 152

Delta R.T. -0.01 min

Lab File: VY003537.D

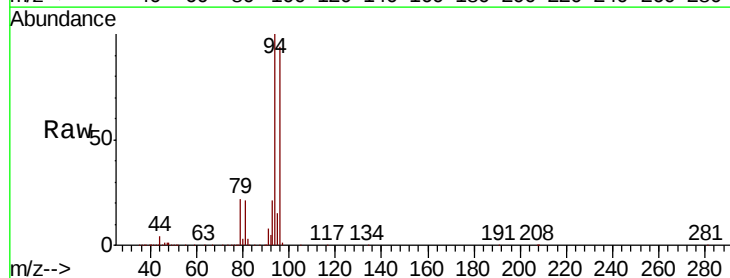
Acq: 18 Nov 2020 18:51

Tgt Ion: 94 Resp: 258810

Ion Ratio Lower Upper

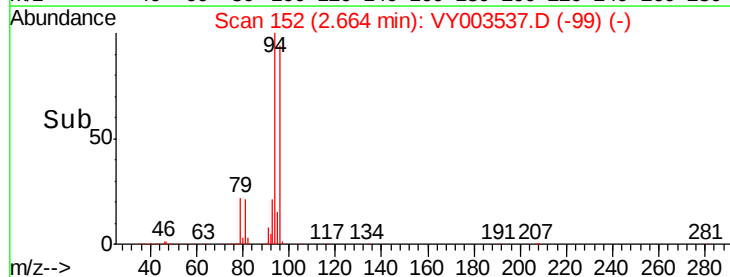
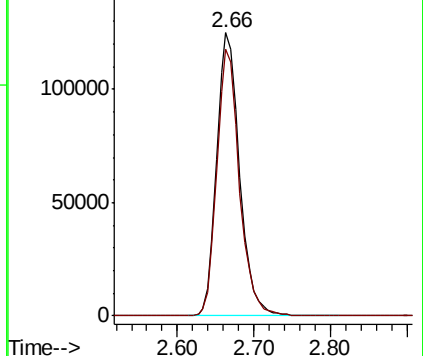
94 100

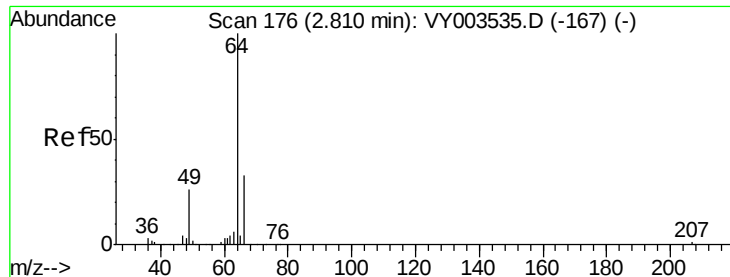
96 92.3 9.4 179.4



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 101.492 ug/L

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY003537.D

Acq: 18 Nov 2020 18:51

Instrument :

MSVOA_Y

ClientSampleId :

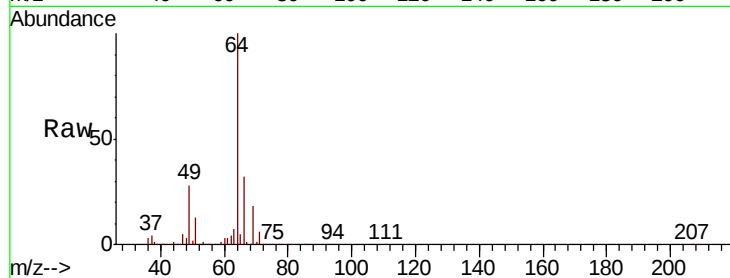
VSTD10079

Tot Ion: 64 Resp: 222198

Ion Ratio Lower Upper

64 100

66 31.7 23.4 43.4



Abundance Ion 64.00 (63.70 to 64.70): VY003537.D (-167) (-)

Ion 66.00 (65.70 to 66.70): VY003537.D (-167) (-)

2.80

100000

80000

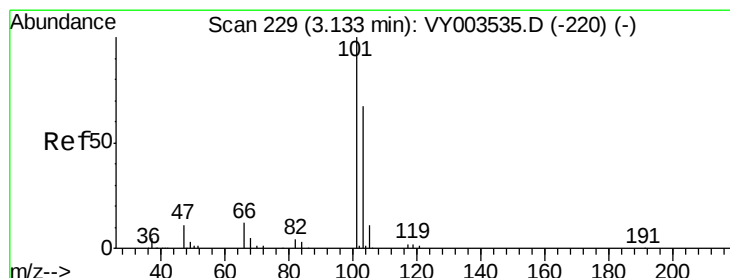
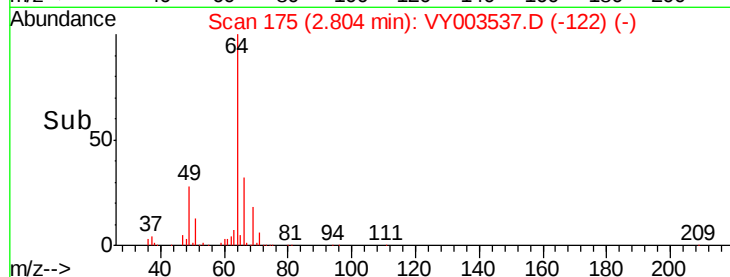
60000

40000

20000

0

Time--> 2.70 2.80 2.90



#9

Trichlorofluoromethane

Concen: 102.424 ug/L

RT: 3.13 min Scan# 229

Delta R.T. 0.00 min

Lab File: VY003537.D

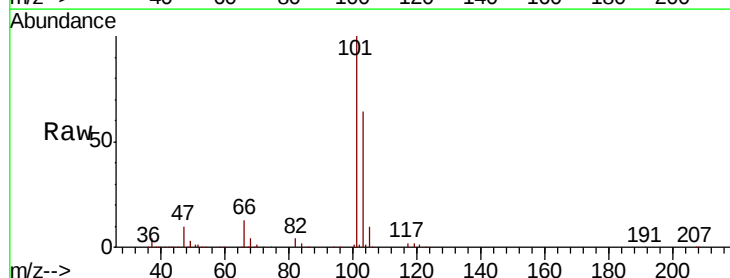
Acq: 18 Nov 2020 18:51

Tgt Ion:101 Resp: 327879

Ion Ratio Lower Upper

101 100

103 64.9 46.5 86.3



Abundance Ion 101.00 (100.70 to 101.70): VY003537.D (-220) (-)

Ion 103.00 (102.70 to 103.70): VY003537.D (-220) (-)

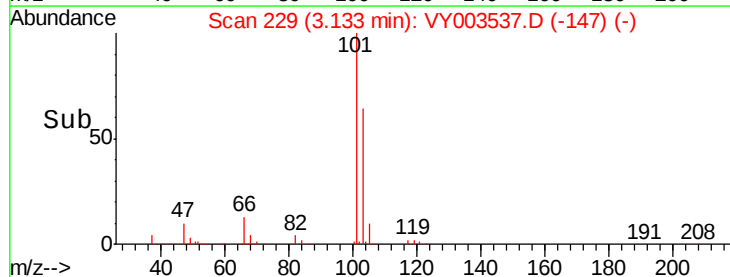
3.13

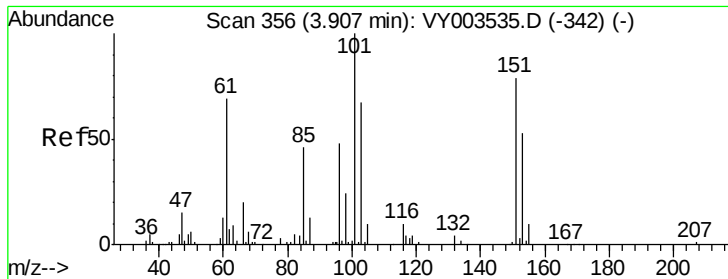
100000

50000

0

Time--> 3.00 3.10 3.20





#11

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

Concen: 99.157 ug/L

RT: 3.91 min Scan# 356

Delta R.T. 0.00 min

Lab File: VY003537.D

Acq: 18 Nov 2020 18:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTD10079

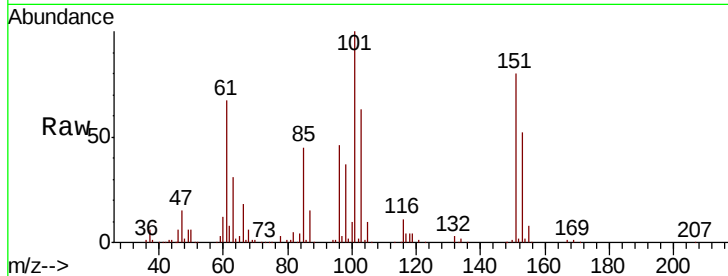
Tot Ion:101 Resp: 315635

Ion Ratio Lower Upper

101 100

85 43.6 35.9 53.9

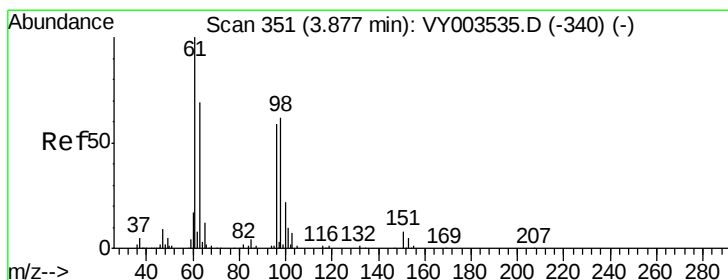
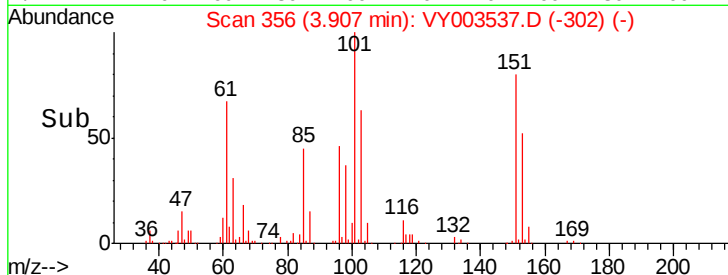
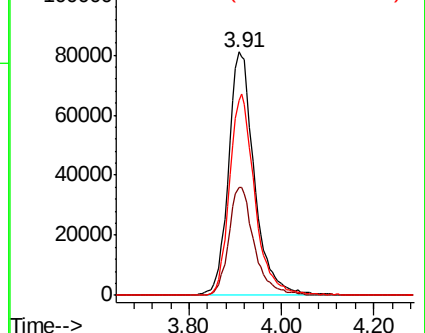
151 80.5 65.2 97.8



Abundance Ion 101.00 (100.70 to 101.70): VY003537.D (-302) (-)

Ion 85.00 (84.70 to 85.70): VY003537.D (-302) (-)

Ion 151.00 (150.70 to 151.70): VY003537.D (-302) (-)



#12

1,1-Dichloroethene

Concen: 99.927 ug/L

RT: 3.88 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY003537.D

Acq: 18 Nov 2020 18:51

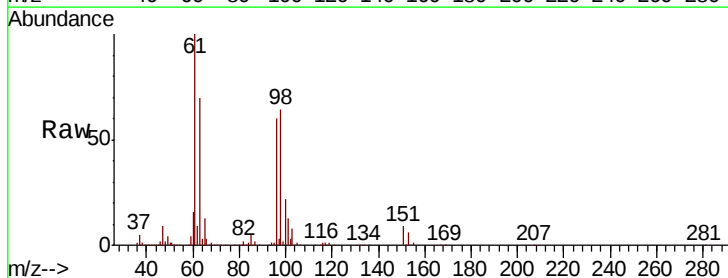
Tgt Ion: 96 Resp: 341645

Ion Ratio Lower Upper

96 100

61 165.5 119.3 221.5

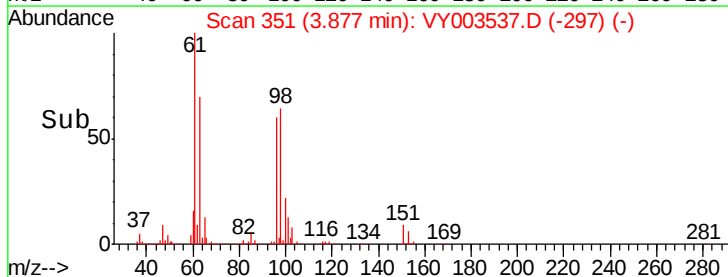
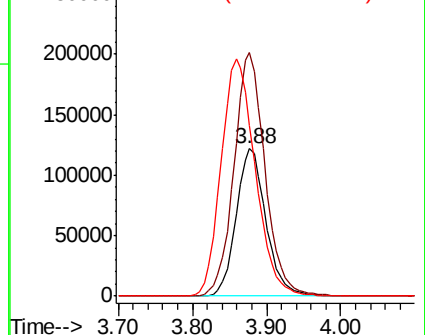
63 115.7 83.6 155.2

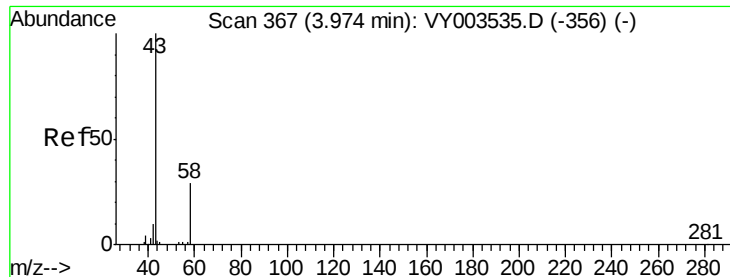


Abundance Ion 96.00 (95.70 to 96.70): VY003537.D (-297) (-)

Ion 61.00 (60.70 to 61.70): VY003537.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VY003537.D (-297) (-)





#13

Acetone

Concen: 176.184 ug/L

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY003537.D

Acq: 18 Nov 2020 18:51

Instrument :

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ClientSampleId :

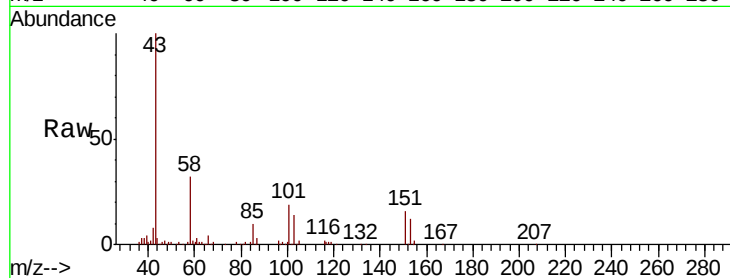
VSTD10079

Tot Ion: 43 Resp: 159551

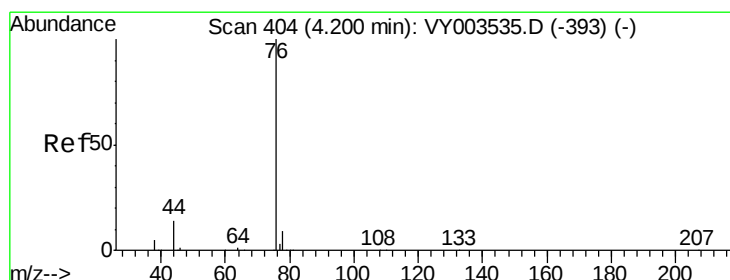
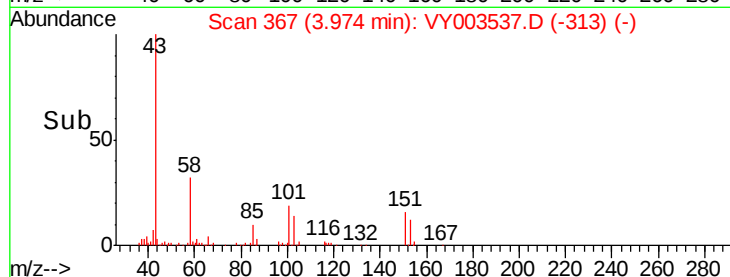
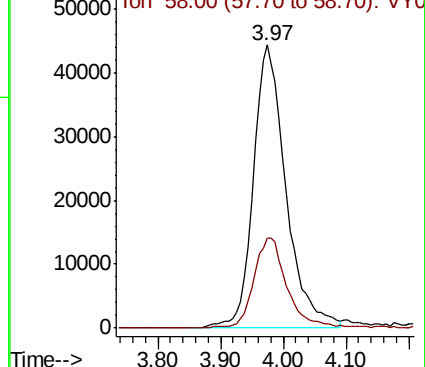
Ion Ratio Lower Upper

43 100

58 31.5 0.0 62.2



Abundance Ion 43.00 (42.70 to 43.70): VY003537.D (-313) (-)



#14

Carbon disulfide

Concen: 96.932 ug/L

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY003537.D

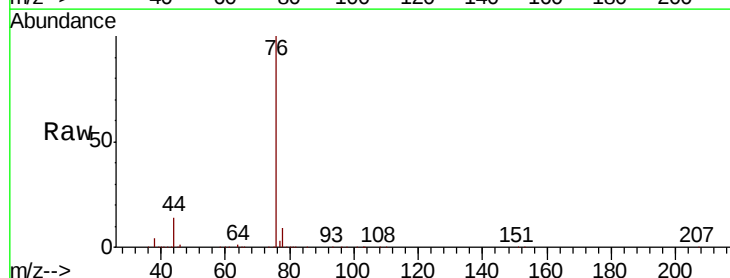
Acq: 18 Nov 2020 18:51

Tgt Ion: 76 Resp: 1109880

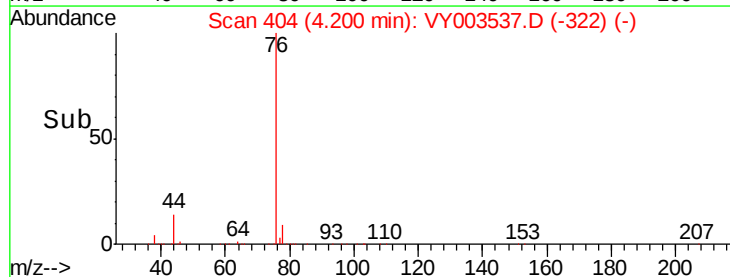
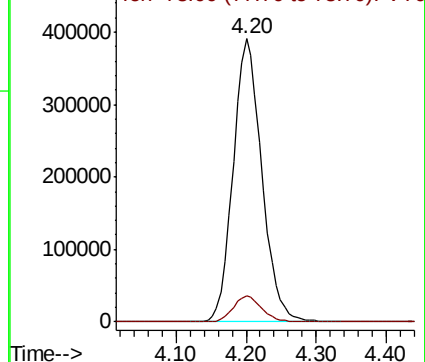
Ion Ratio Lower Upper

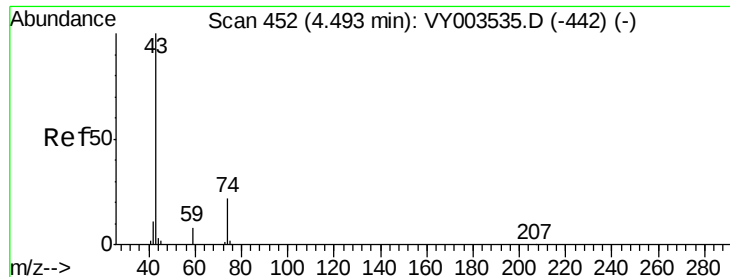
76 100

78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VY003537.D (-322) (-)





#15

Methvl Acetate

Concen: 93.702 ug/L

RT: 4.49 min Scan# 451

Delta R.T. -0.01 min

Lab File: VY003537.D

Acq: 18 Nov 2020 18:51

Instrument :

MSVOA_Y

ClientSampleId :

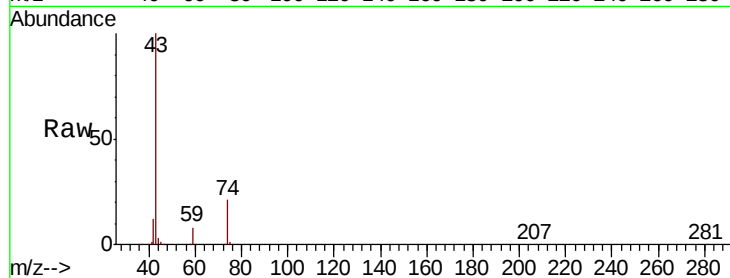
VSTD10079

Tot Ion: 43 Resp: 222581

Ion Ratio Lower Upper

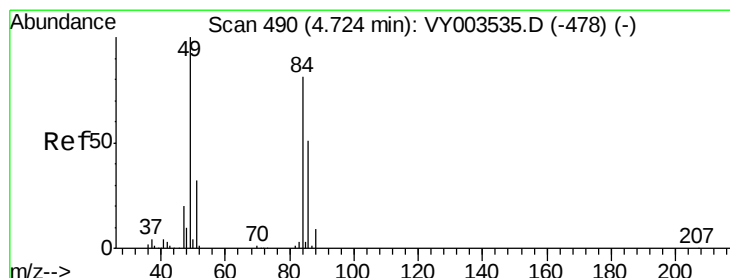
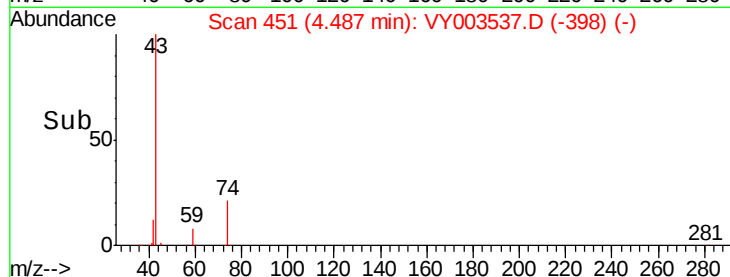
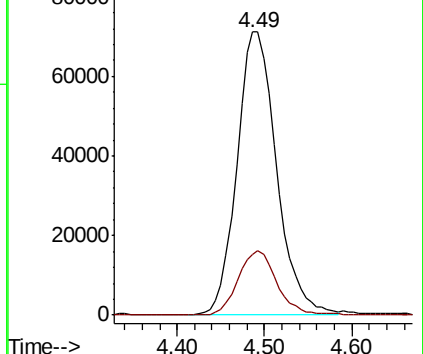
43 100

74 22.1 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0



#16

Methylene chloride

Concen: 88.839 ug/L

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003537.D

Acq: 18 Nov 2020 18:51

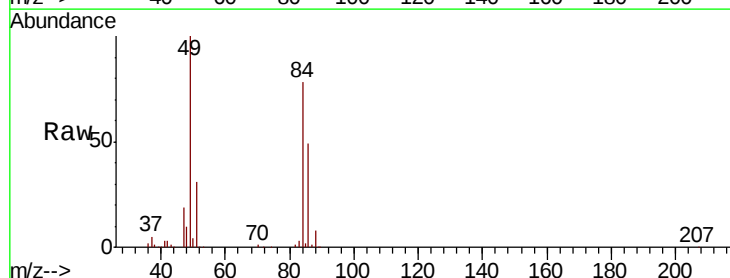
Tgt Ion: 84 Resp: 354878

Ion Ratio Lower Upper

84 100

49 128.6 87.1 161.7

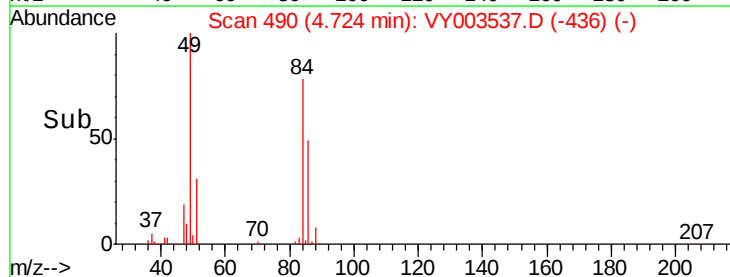
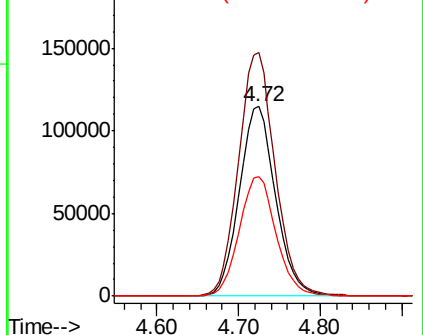
86 62.9 44.7 83.1

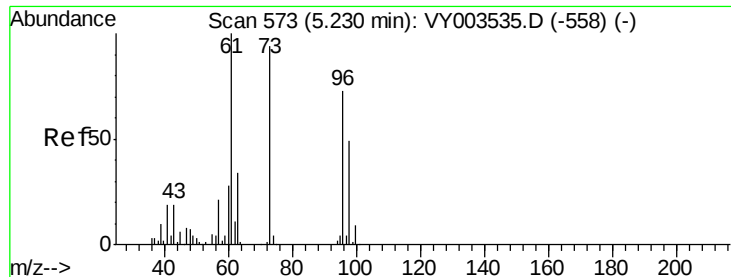


Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

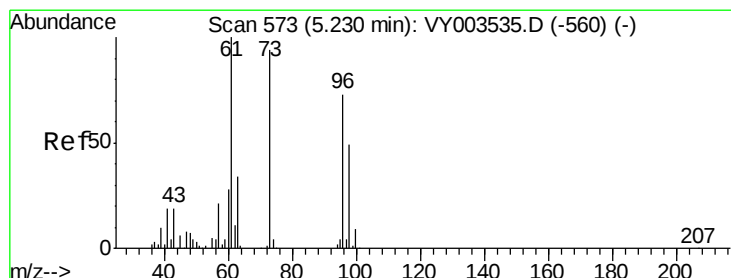
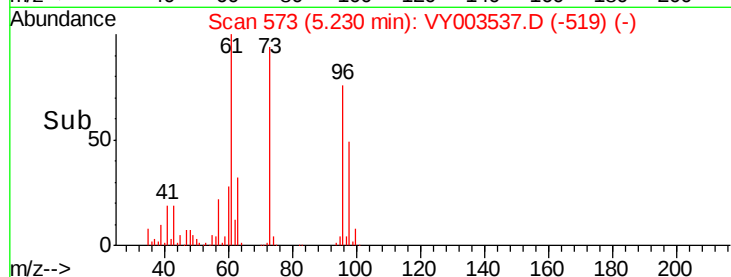
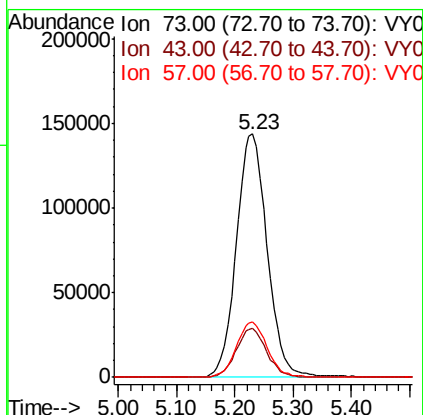
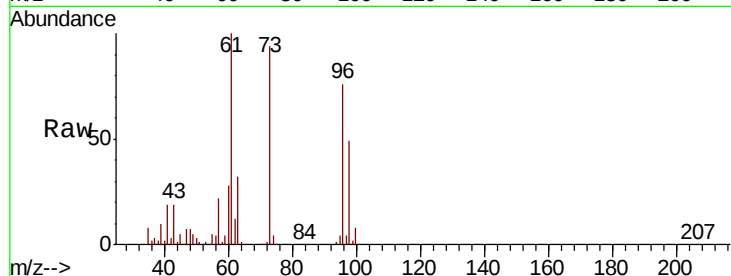




#17
Methvl tert-butvl Ether
Concen: 95.238 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY003537.D
Acq: 18 Nov 2020 18:51

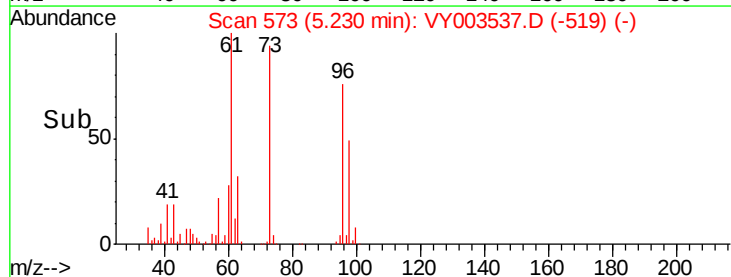
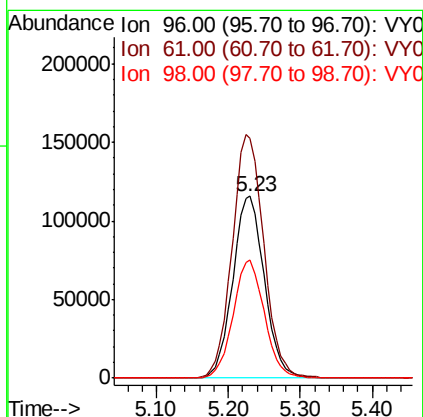
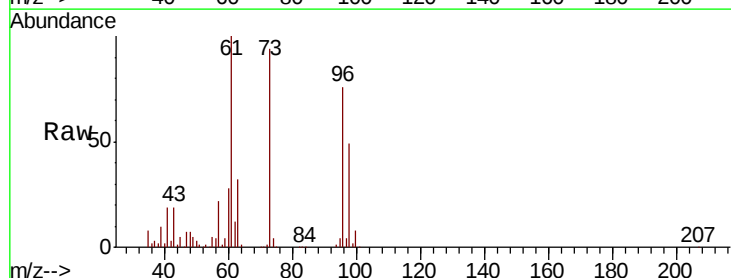
Instrument :
MSVOA_Y
ClientSampleId :
VSTD10079

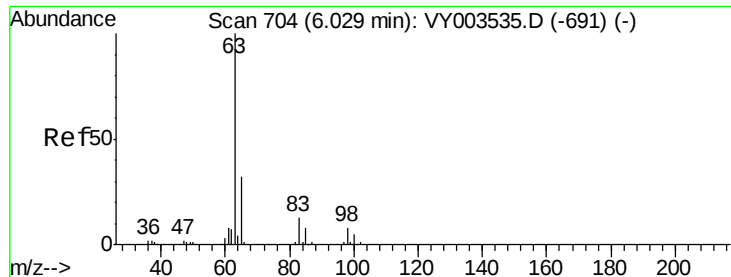
Tot Ion: 73 Resp: 528200
Ion Ratio Lower Upper
73 100
43 19.6 16.0 24.0
57 22.7 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 96.667 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY003537.D
Acq: 18 Nov 2020 18:51

Tgt Ion: 96 Resp: 352619
Ion Ratio Lower Upper
96 100
61 131.9 95.5 177.3
98 64.6 46.4 86.2





#19

1,1-Dichloroethane

Concen: 97.295 ug/L

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY003537.D

Acq: 18 Nov 2020 18:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTD10079

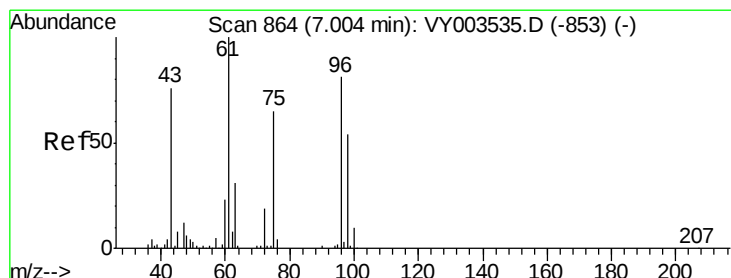
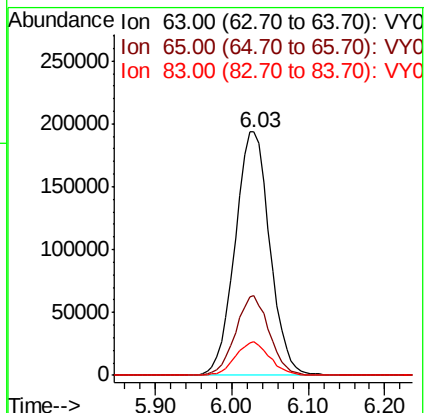
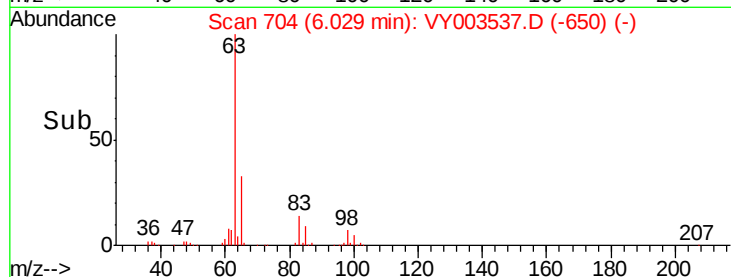
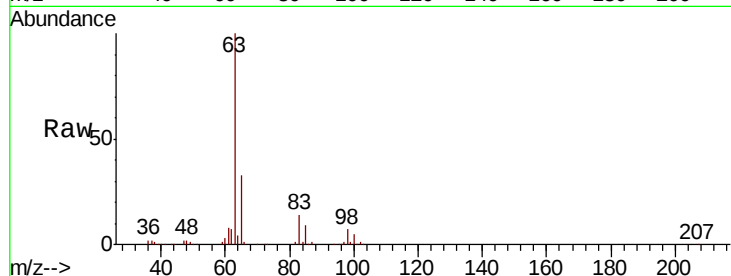
Tot Ion: 63 Resp: 608969

Ion Ratio Lower Upper

63 100

65 32.6 22.1 41.1

83 13.9 9.4 17.6



#21

2-Butanone

Concen: 173.133 ug/L

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY003537.D

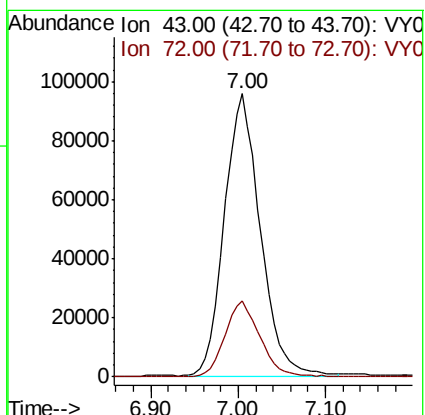
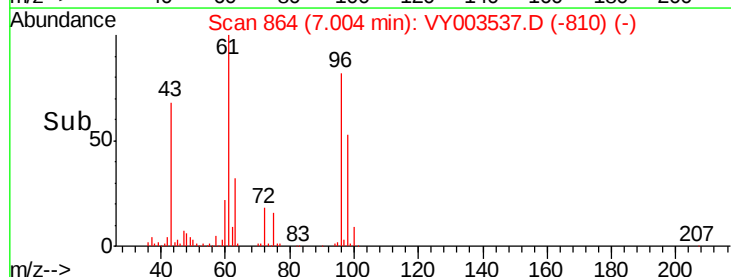
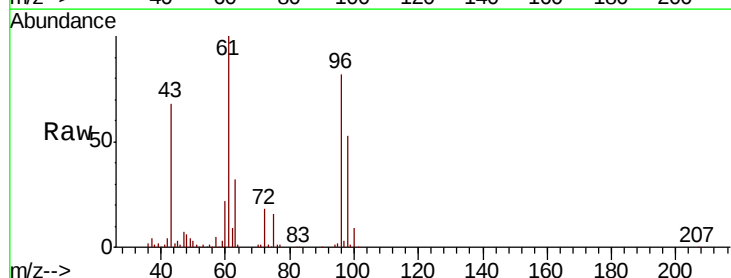
Acq: 18 Nov 2020 18:51

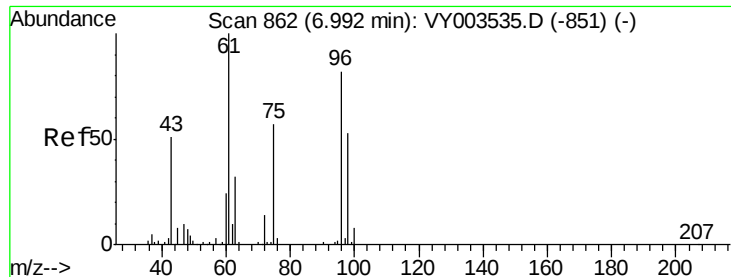
Tgt Ion: 43 Resp: 275792

Ion Ratio Lower Upper

43 100

72 26.0 12.6 37.6



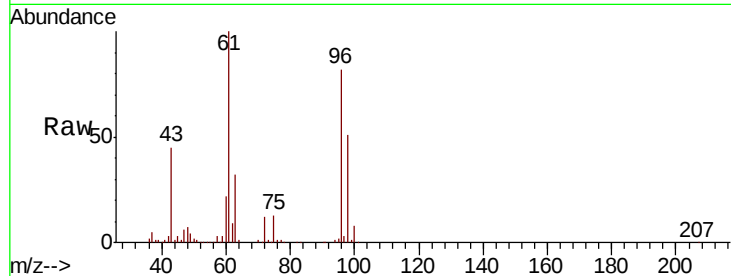


#22

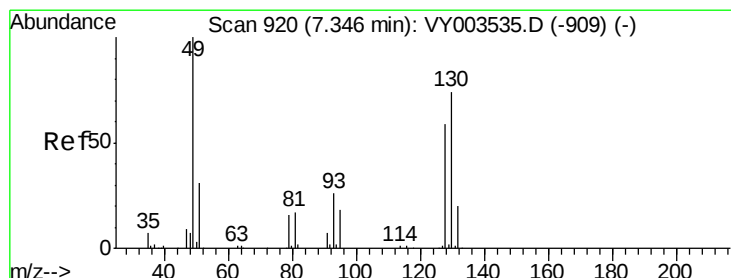
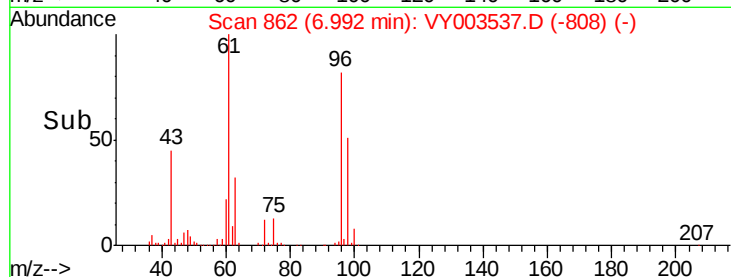
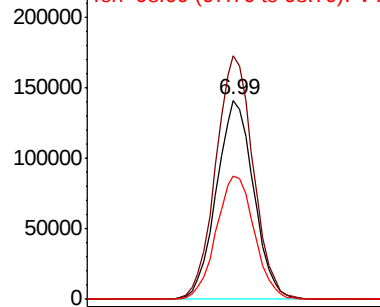
cis-1,2-Dichloroethene
Concen: 97.766 ug/L
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY003537.D
Acq: 18 Nov 2020 18:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTD10079

Tot Ion: 96 Resp: 374689
Ion Ratio Lower Upper
96 100
61 122.2 85.3 158.3
98 62.0 44.9 83.3



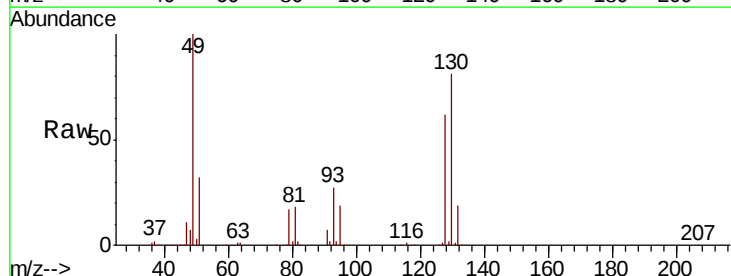
Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 98.00 (97.70 to 98.70): VY0



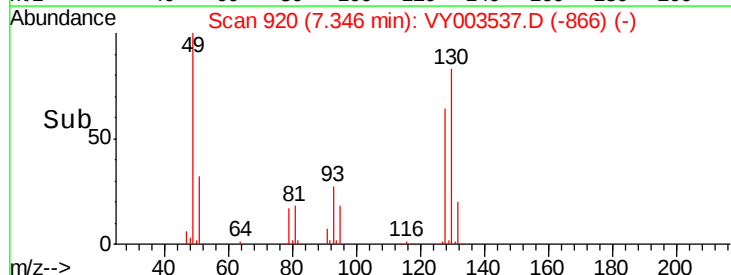
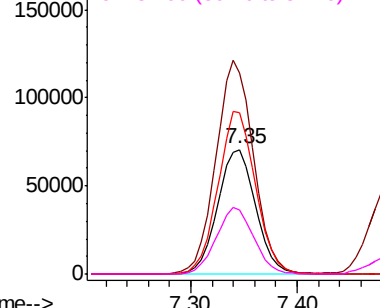
#23

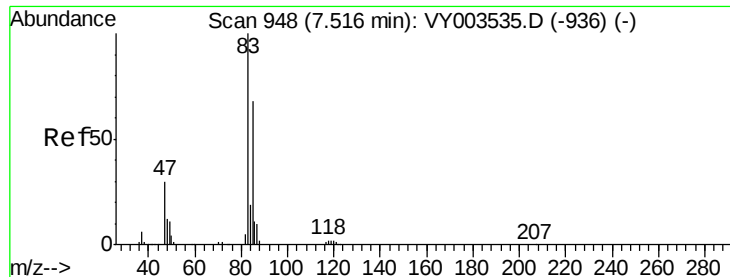
Bromochloromethane
Concen: 94.441 ug/L
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY003537.D
Acq: 18 Nov 2020 18:51

Tgt Ion: 128 Resp: 177091
Ion Ratio Lower Upper
128 100
49 161.1 118.8 220.6
130 130.0 87.8 163.0
51 51.5 42.5 63.7



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: 98.312 ug/L

RT: 7.52 min Scan# 948

Delta R.T. 0.00 min

Lab File: VY003537.D

Acq: 18 Nov 2020 18:51

Instrument :

MSVOA_Y

ClientSampleId :

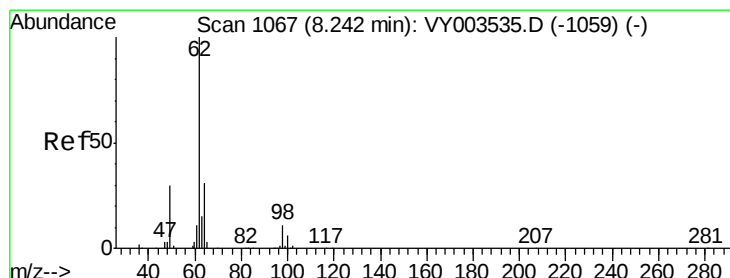
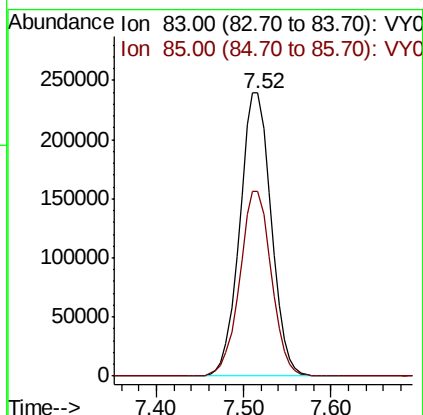
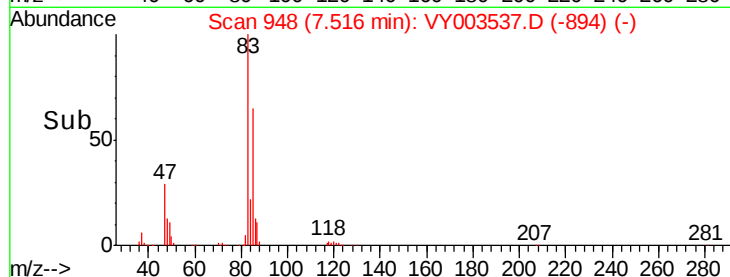
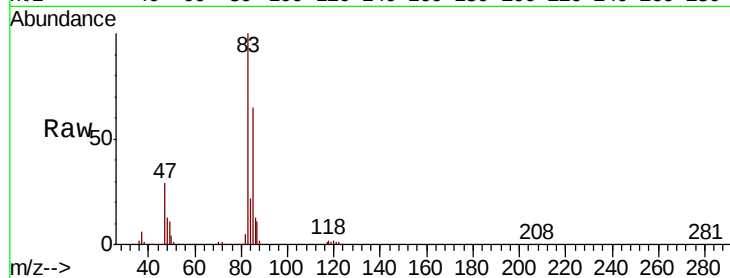
VSTD10079

Tot Ion: 83 Resp: 598861

Ion Ratio Lower Upper

83 100

85 65.6 46.2 85.8



#27

1,2-Dichloroethane

Concen: 95.374 ug/L

RT: 8.24 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VY003537.D

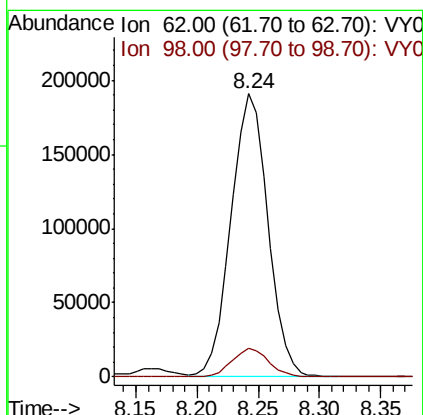
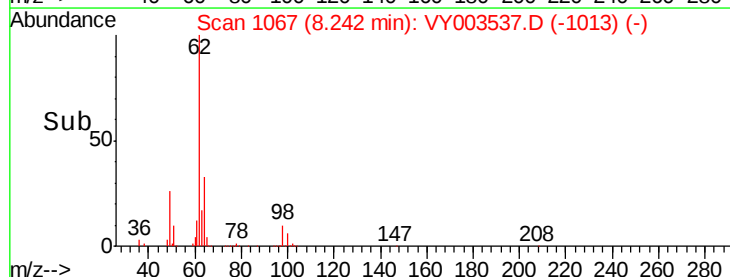
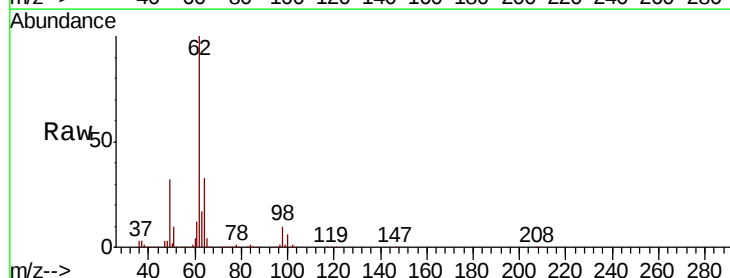
Acq: 18 Nov 2020 18:51

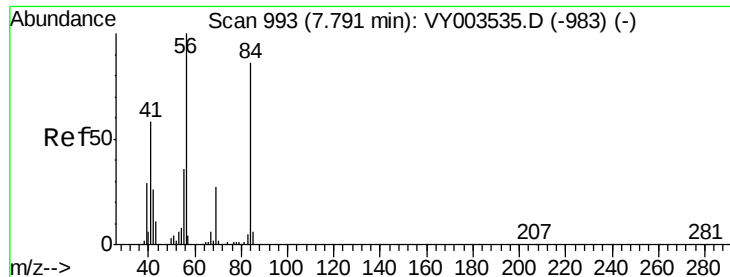
Tgt Ion: 62 Resp: 398399

Ion Ratio Lower Upper

62 100

98 10.2 8.4 12.6

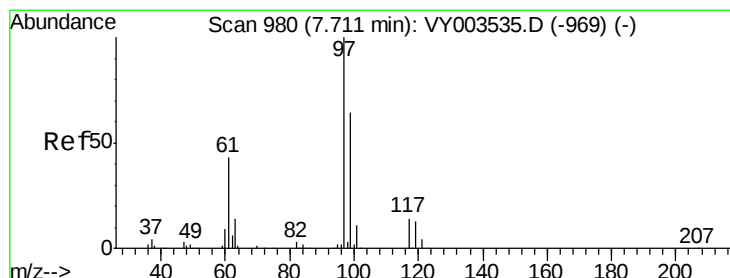
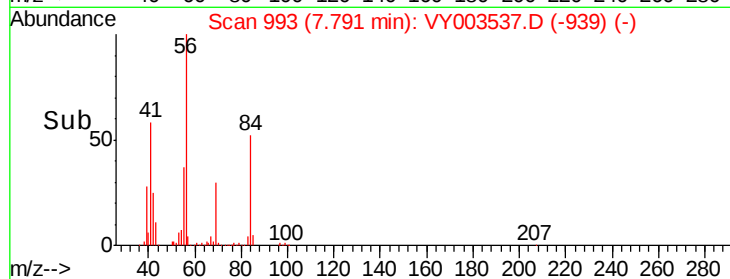
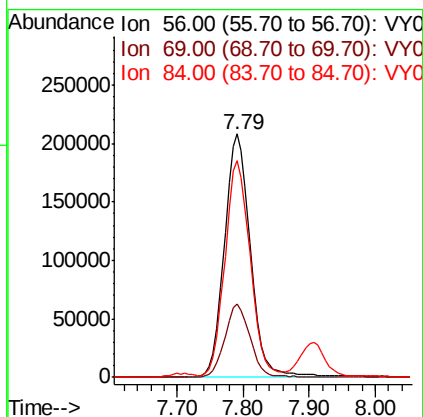
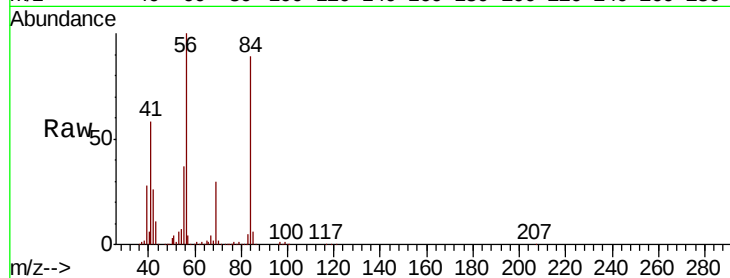




#30
Cyclohexane
Concen: 102.778 ug/L
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY003537.D
Acq: 18 Nov 2020 18:51

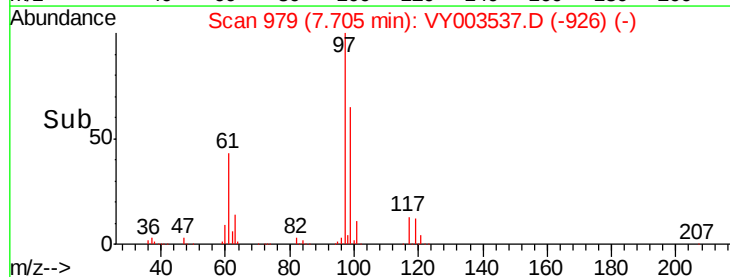
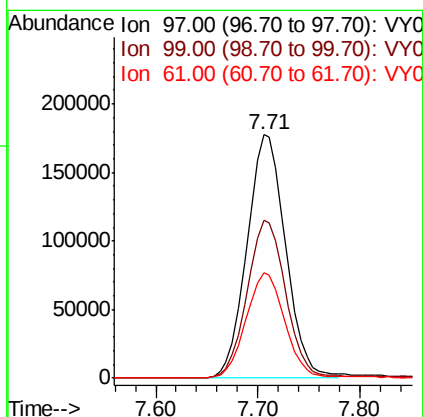
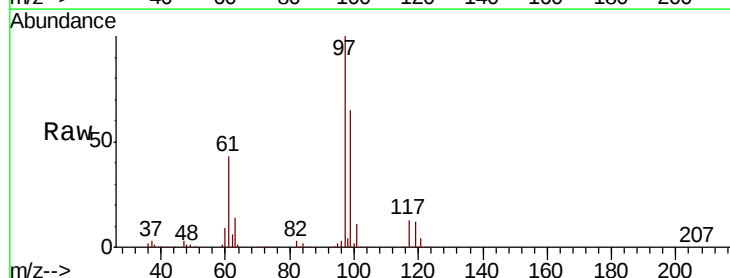
Instrument :
MSVOA_Y
ClientSampled :
VSTD10079

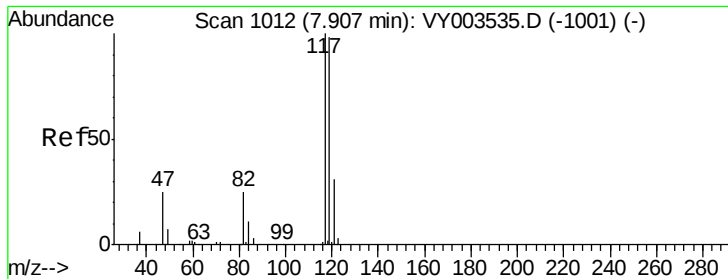
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.2	22.9	34.3
84	86.3	69.8	104.8



#31
1,1,1-Trichloroethane
Concen: 95.821 ug/L
RT: 7.71 min Scan# 979
Delta R.T. -0.01 min
Lab File: VY003537.D
Acq: 18 Nov 2020 18:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	49.5	74.3
61	43.2	33.8	50.6



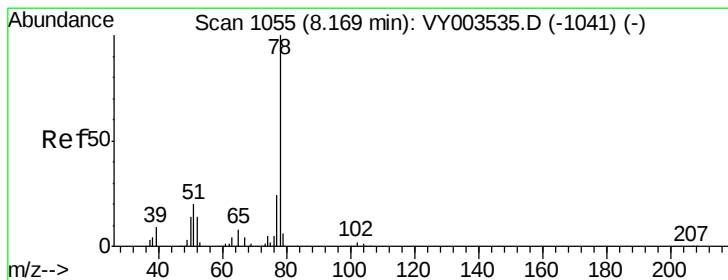
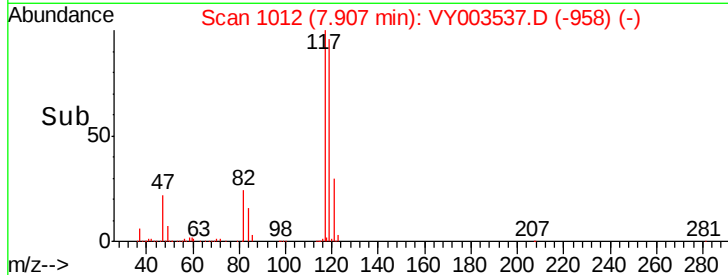
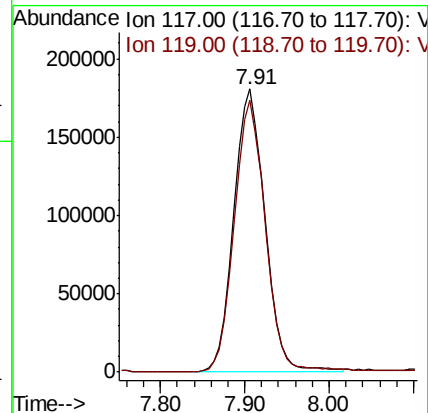
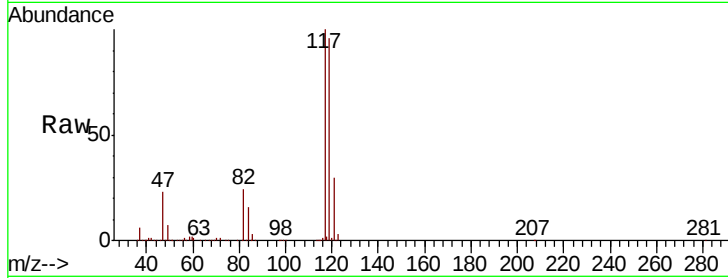


#32

Carbon tetrachloride
Concen: 101.995 ug/L
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY003537.D
Acq: 18 Nov 2020 18:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTD10079

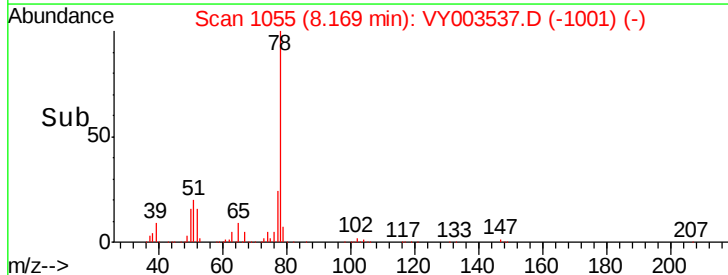
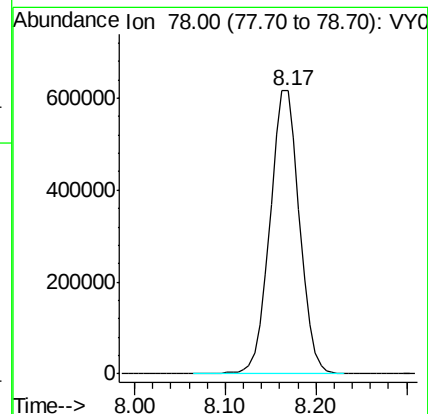
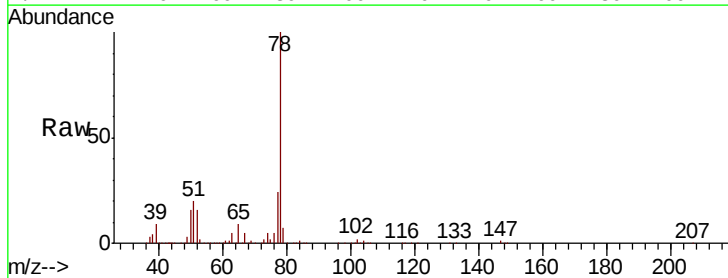
Tot Ion:117 Resp: 455502
Ion Ratio Lower Upper
117 100
119 94.7 78.1 117.1

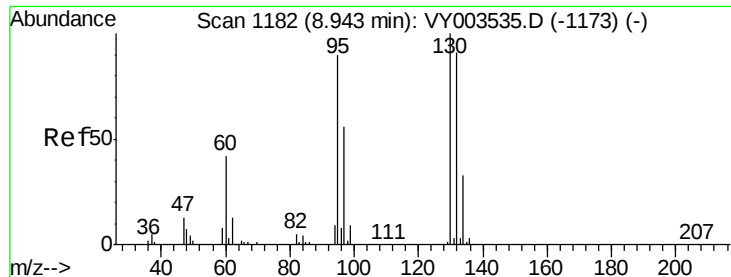


#34

Benzene
Concen: 94.126 ug/L
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY003537.D
Acq: 18 Nov 2020 18:51

Tgt Ion: 78 Resp: 1386865

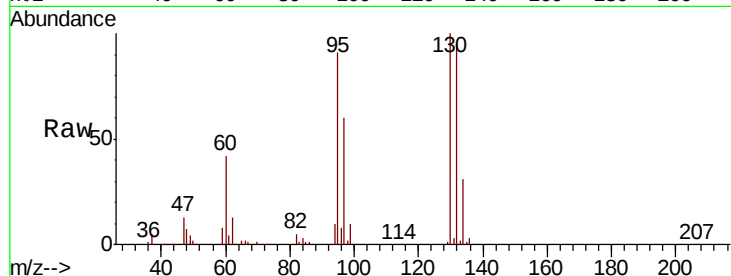




#35
 Trichloroethene
 Concen: 95.345 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VY003537.D
 Acq: 18 Nov 2020 18:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD10079

Tot Ion	95	Resp	346161
Ion Ratio	Lower	Upper	
95	100		
97	65.2	44.8	83.2
132	104.0	72.2	134.0
130	109.0	76.6	142.2



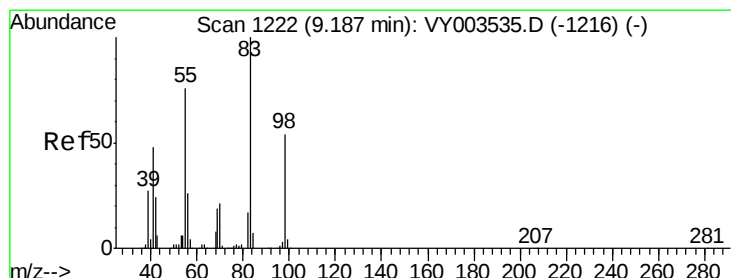
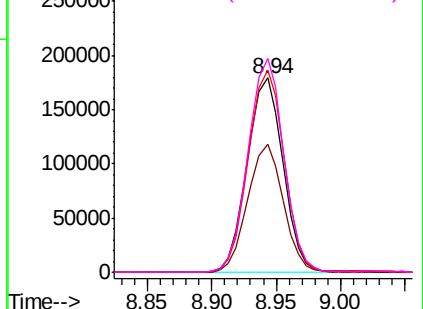
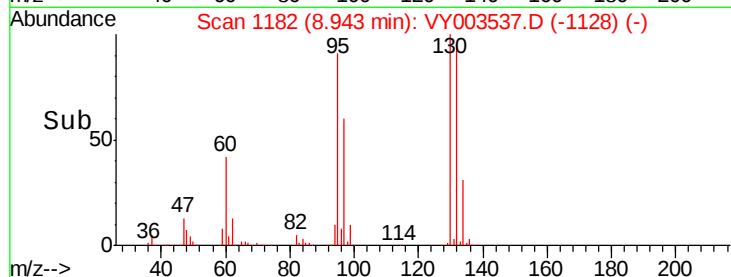
Abundance

Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

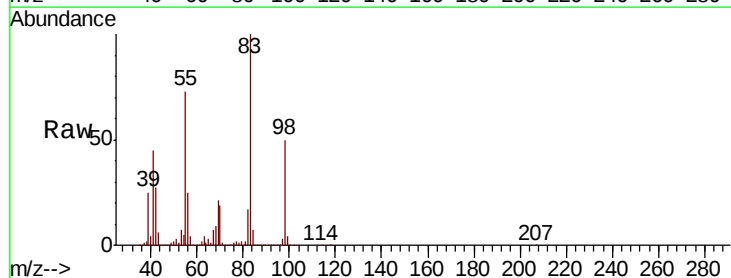
Ion 132.00 (131.70 to 132.70): VY0

Ion 130.00 (129.70 to 130.70): VY0



#36
 Methylcyclohexane
 Concen: 111.788 ug/L
 RT: 9.19 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: VY003537.D
 Acq: 18 Nov 2020 18:51

Tgt Ion	83	Resp	596033
Ion Ratio	Lower	Upper	
83	100		
55	74.0	63.4	95.0
98	49.9	43.3	64.9

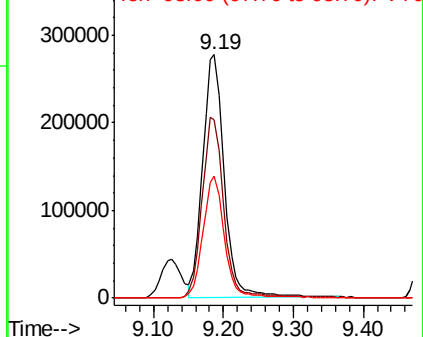
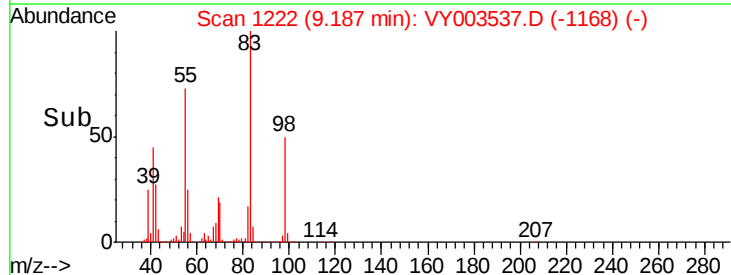


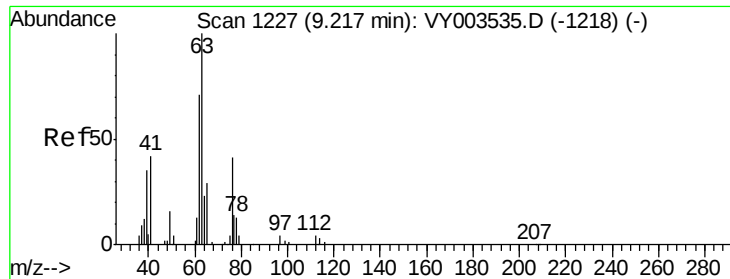
Abundance

Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

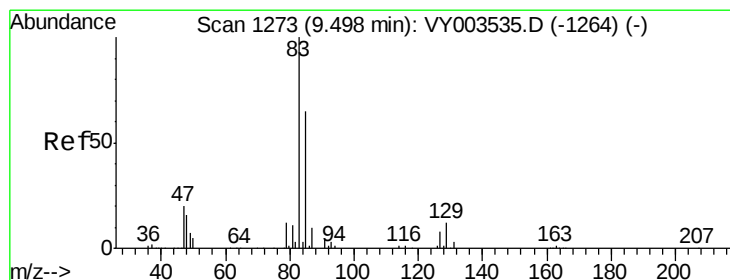
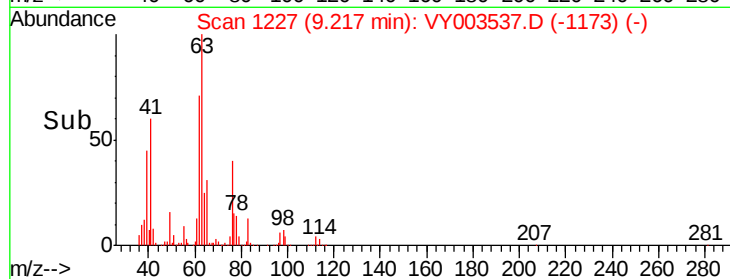
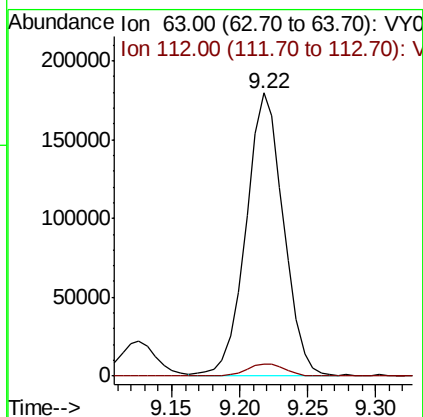
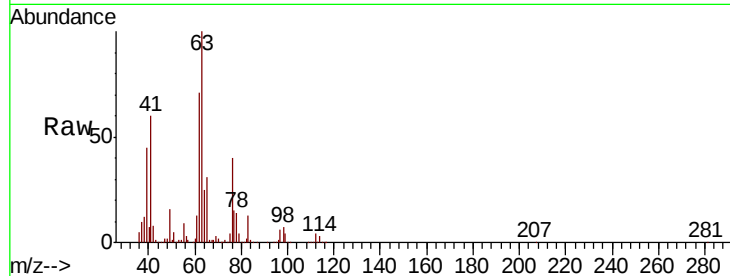




#40
 1,2-Dichloropropane
 Concen: 93.309 ug/L
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY003537.D
 Acq: 18 Nov 2020 18:51

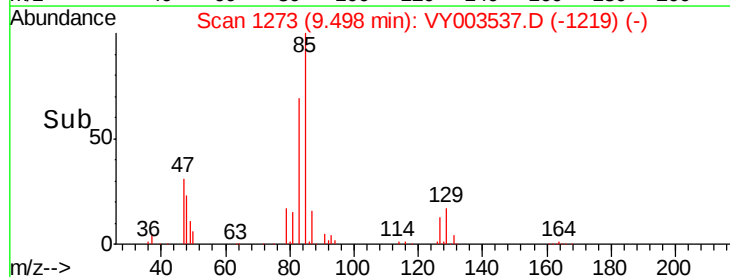
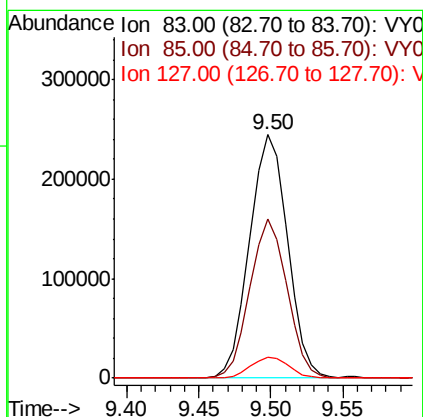
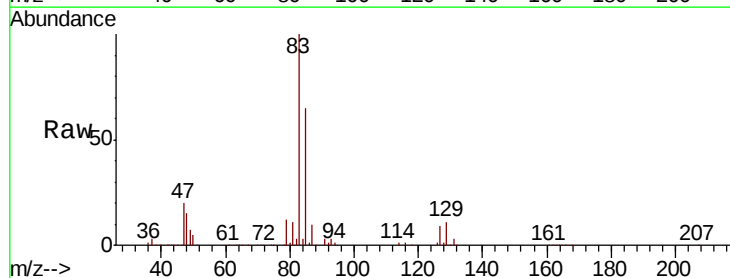
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD10079

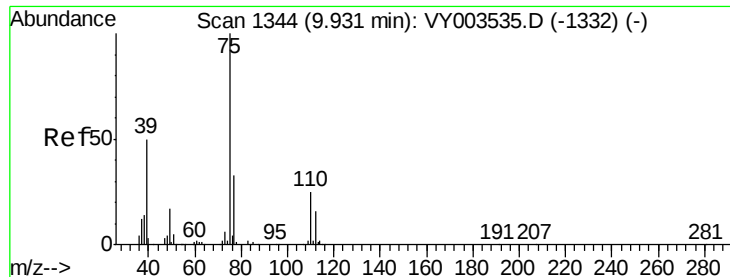
Tot Ion: 63 Resp: 343567
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.2



#41
 Bromodichloromethane
 Concen: 97.101 ug/L
 RT: 9.50 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VY003537.D
 Acq: 18 Nov 2020 18:51

Tgt Ion: 83 Resp: 448490
 Ion Ratio Lower Upper
 83 100
 85 65.4 45.6 84.6
 127 8.8 6.4 9.6



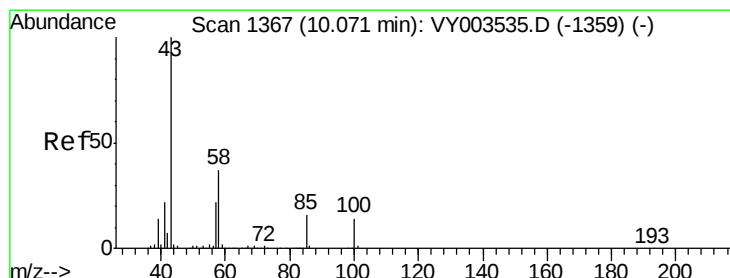
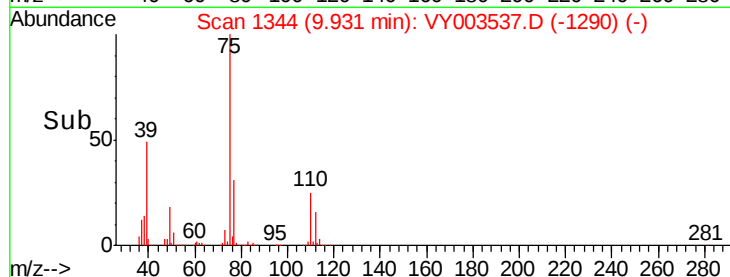
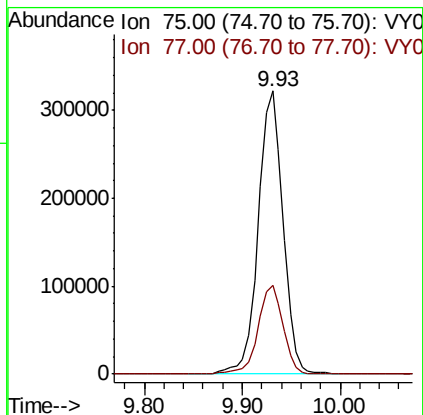
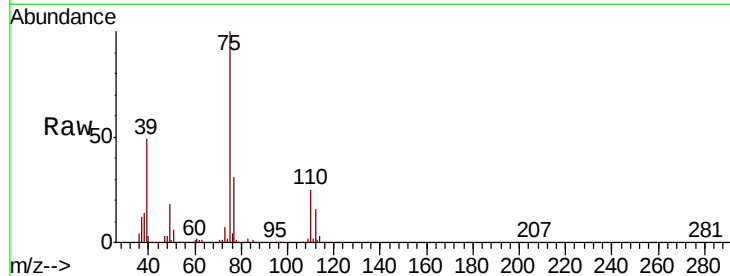


#42

cis-1,3-Dichloropropene
Concen: 97.679 ug/L
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY003537.D
Acq: 18 Nov 2020 18:51

Instrument :
MSVOA_Y
ClientSampleId :
VSTD10079

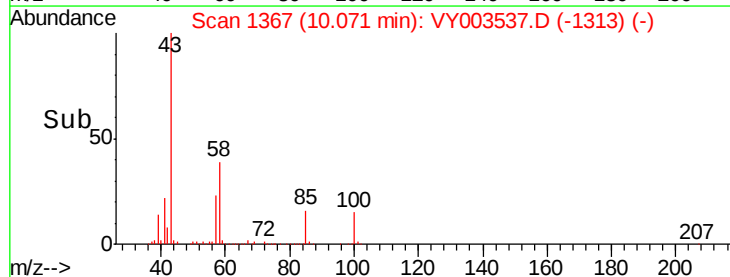
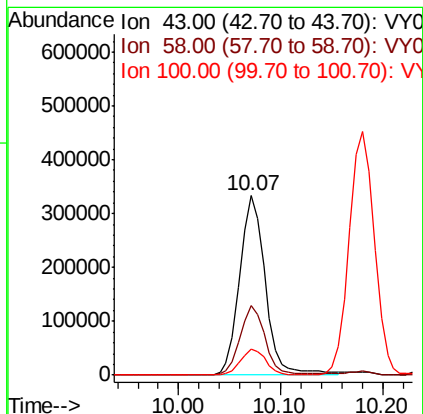
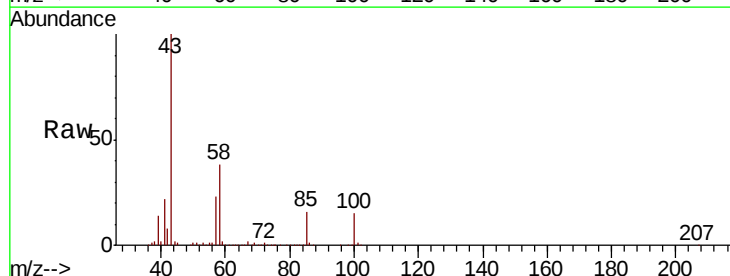
Tot Ion: 75 Resp: 566125
Ion Ratio Lower Upper
75 100
77 31.3 23.4 43.4

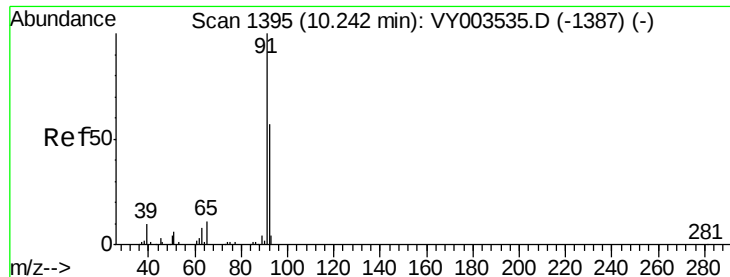


#43

4-Methyl-2-pentanone
Concen: 195.252 ug/L
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY003537.D
Acq: 18 Nov 2020 18:51

Tgt Ion: 43 Resp: 584769
Ion Ratio Lower Upper
43 100
58 37.8 30.2 45.4
100 14.3 12.0 18.0





#44

Toluene

Concen: 96.320 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY003537.D

Acq: 18 Nov 2020 18:51

Instrument :

MSVOA_Y

ClientSampleId :

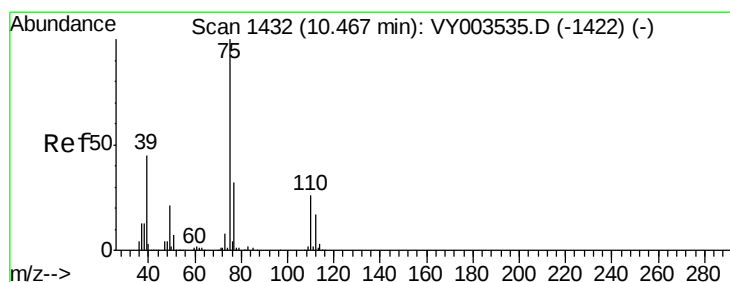
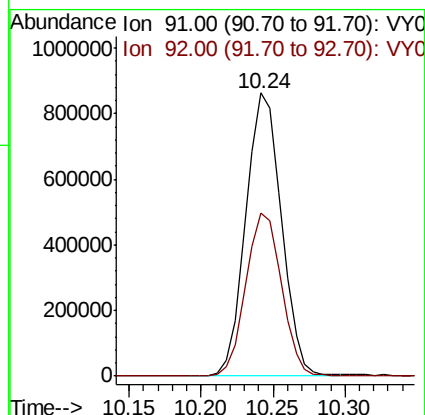
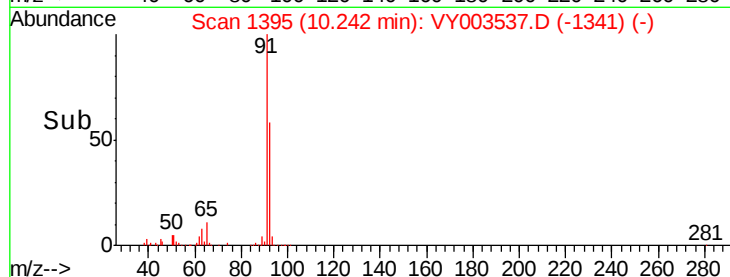
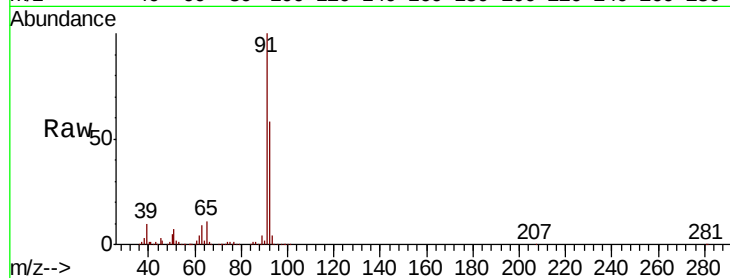
VSTD10079

Tot Ion: 91 Resp: 1477238

Ion Ratio Lower Upper

91 100

92 57.8 39.8 74.0



#45

trans-1,3-Dichloropropene

Concen: 97.619 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY003537.D

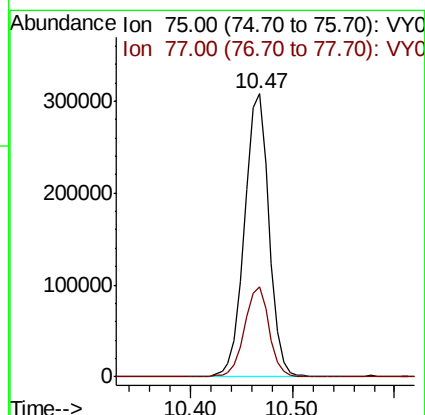
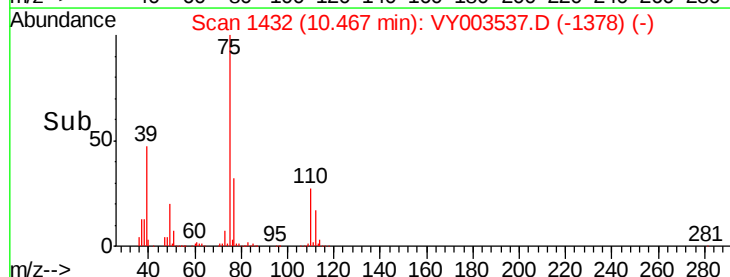
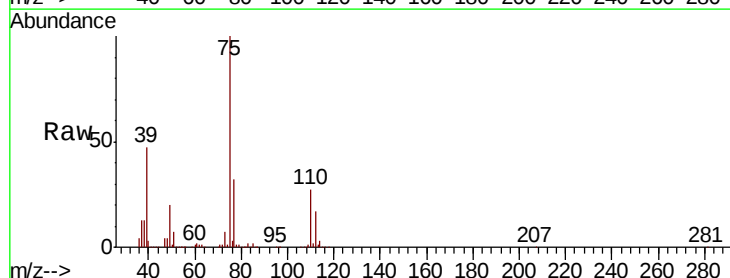
Acq: 18 Nov 2020 18:51

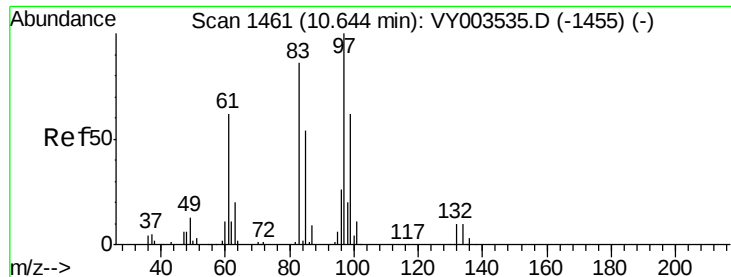
Tgt Ion: 75 Resp: 514870

Ion Ratio Lower Upper

75 100

77 32.0 22.6 42.0

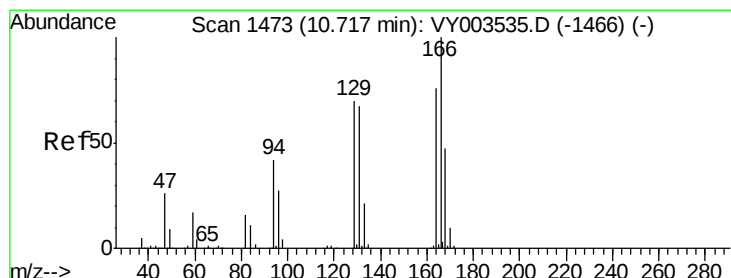
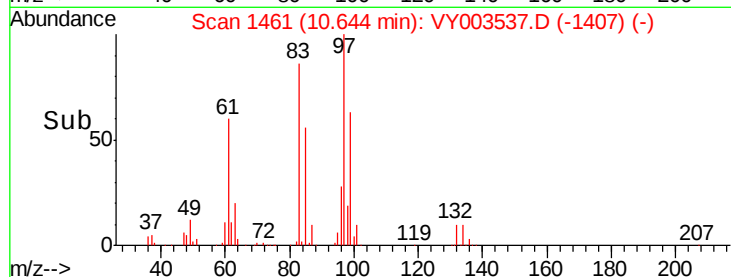
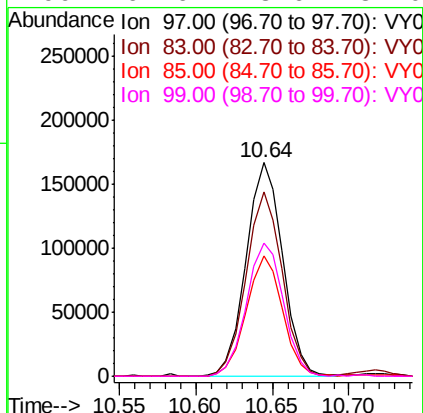
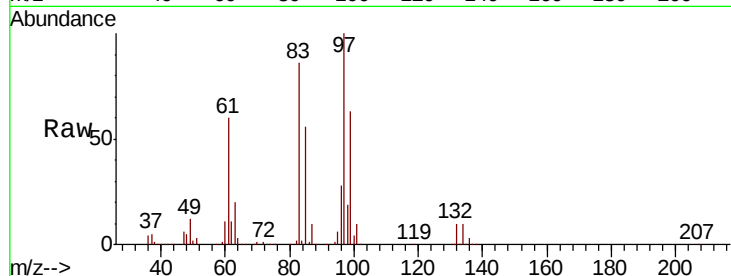




#46
1,1,2-Trichloroethane
Concen: 93.847 ug/L
RT: 10.64 min Scan# 1461
Delta R.T. 0.00 min
Lab File: VY003537.D
Acq: 18 Nov 2020 18:51

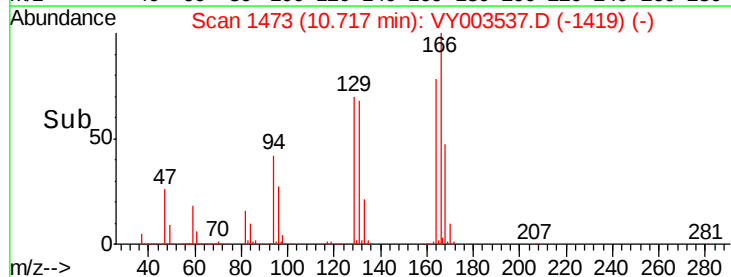
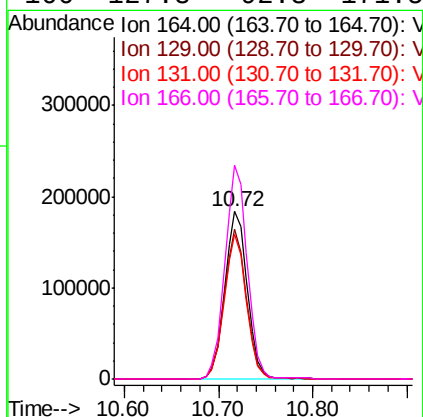
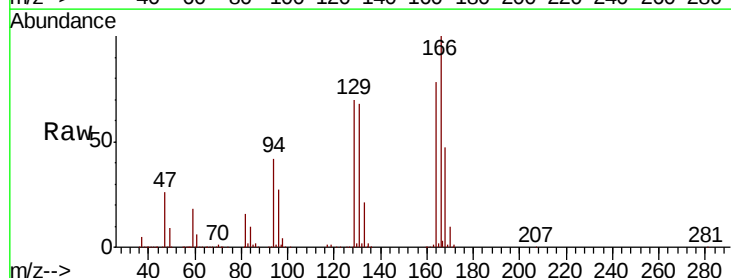
Instrument :
MSVOA_Y
ClientSampleId :
VSTD10079

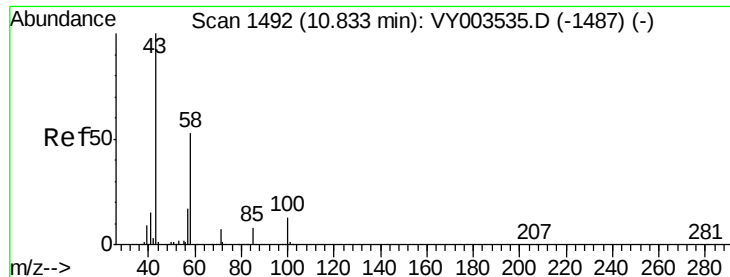
Tot Ion:	97	Resp:	277204
Ion	Ratio	Lower	Upper
97	100		
83	86.2	60.1	111.5
85	56.2	37.5	69.7
99	62.6	43.6	81.0



#47
Tetrachloroethene
Concen: 98.712 ug/L
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY003537.D
Acq: 18 Nov 2020 18:51

Tgt Ion:	164	Resp:	304852
Ion	Ratio	Lower	Upper
164	100		
129	89.6	64.3	119.3
131	86.7	61.7	114.5
166	127.8	92.3	171.5

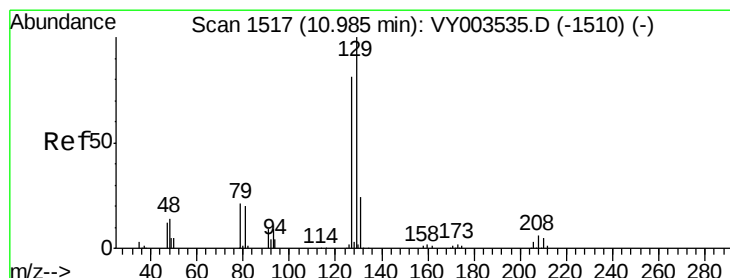
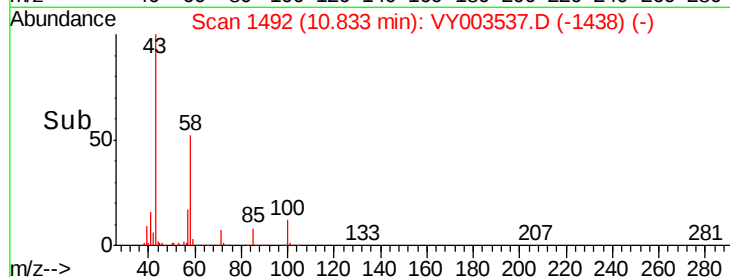
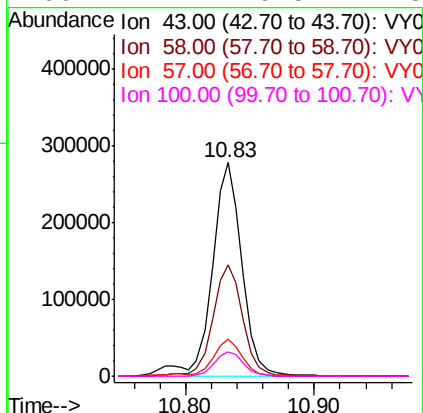
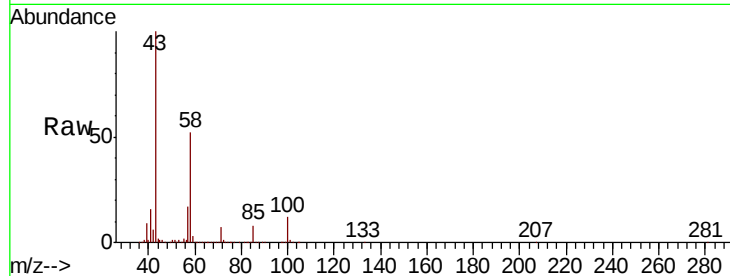




#49
2-Hexanone
Concen: 181.261 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY003537.D
Acq: 18 Nov 2020 18:51

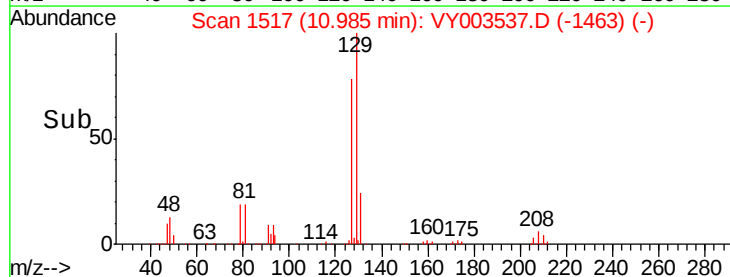
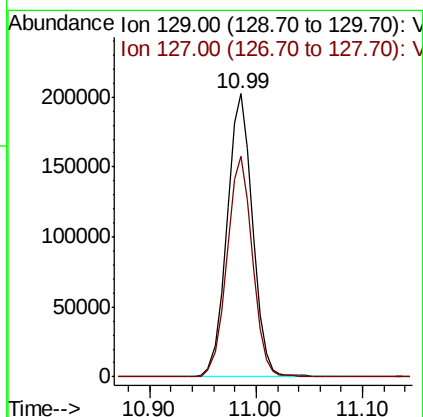
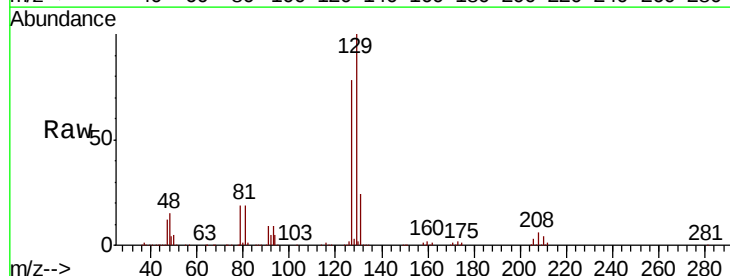
Instrument :
MSVOA_Y
ClientSampleId :
VSTD10079

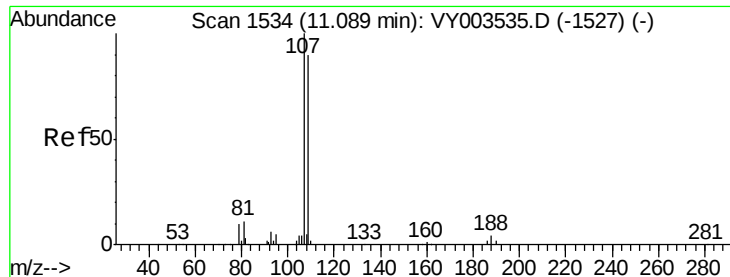
Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	41.8	62.6
57	17.3	13.5	20.3
100	11.7	9.5	14.3



#50
Dibromochloromethane
Concen: 97.192 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY003537.D
Acq: 18 Nov 2020 18:51

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.1	56.9	105.7

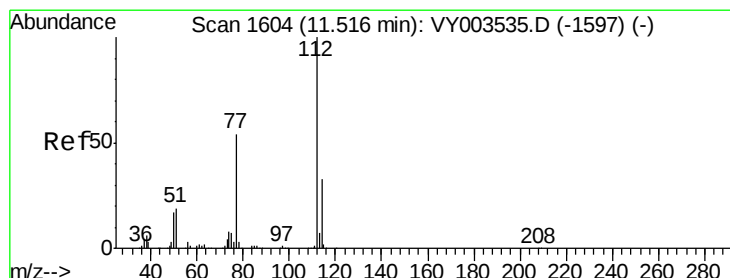
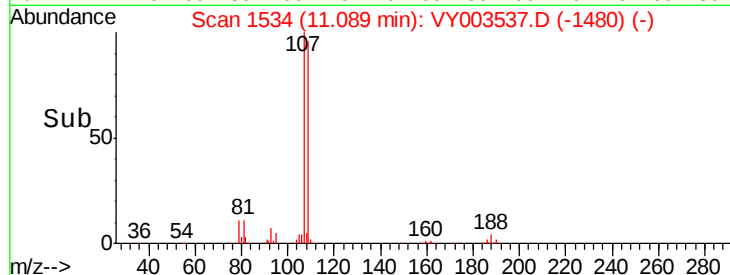
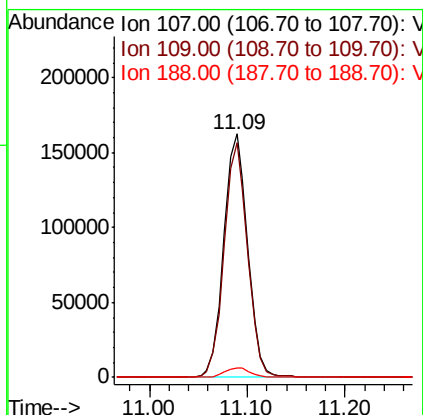
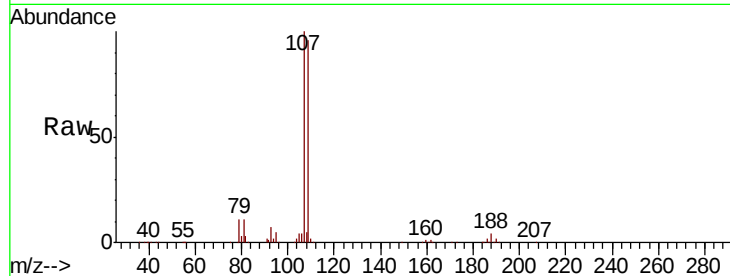




#51
 1,2-Dibromoethane
 Concen: 94.486 ug/L
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY003537.D
 Acq: 18 Nov 2020 18:51

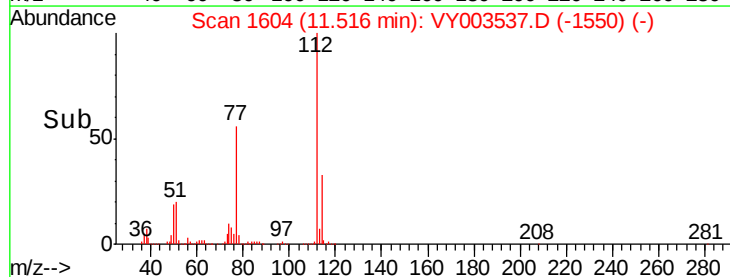
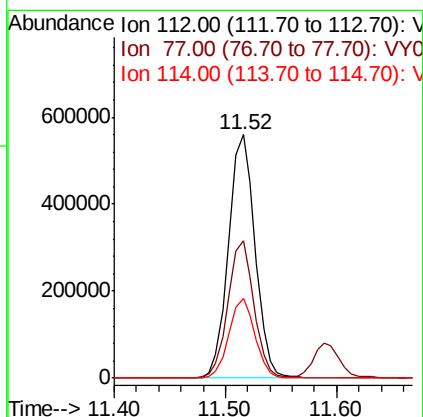
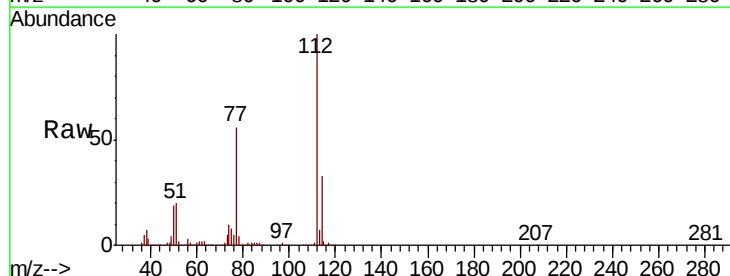
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD10079

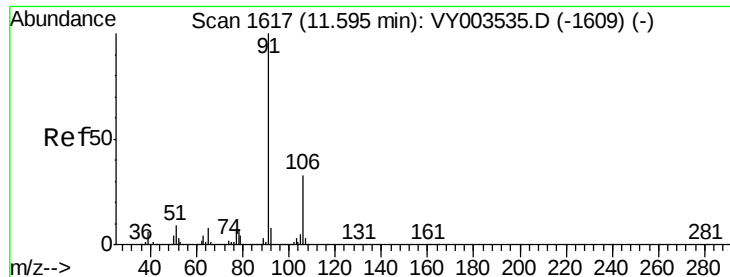
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	63.0	117.0
188	4.0	3.4	5.2



#52
 Chlorobenzene
 Concen: 94.881 ug/L
 RT: 11.52 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VY003537.D
 Acq: 18 Nov 2020 18:51

Tgt Ion	Ratio	Lower	Upper
112	100		
77	56.2	43.6	65.4
114	32.7	23.0	42.6





#53

Ethylbenzene

Concen: 98.755 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: VY003537.D

Acq: 18 Nov 2020 18:51

Instrument :

MSVOA_Y

ClientSampleId :

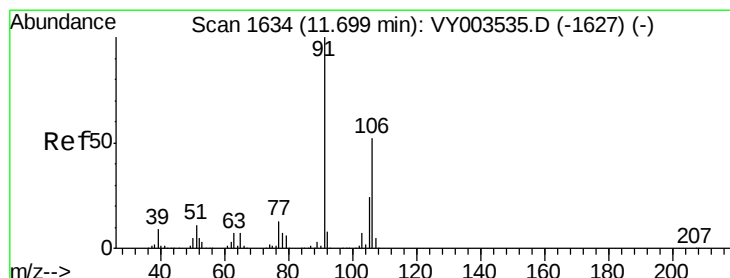
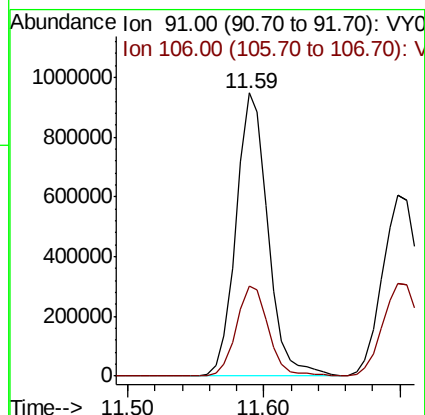
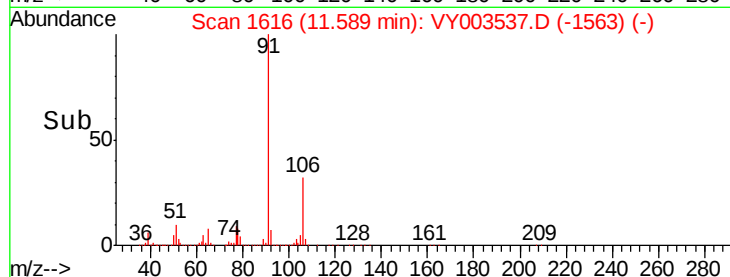
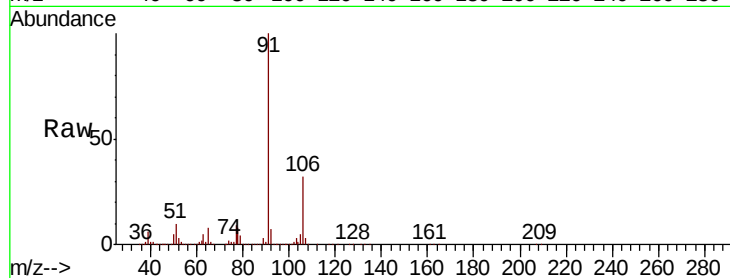
VSTD10079

Tot Ion: 91 Resp: 1544489

Ion Ratio Lower Upper

91 100

106 31.9 22.9 42.5



#54

m,p-Xylene

Concen: 99.823 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY003537.D

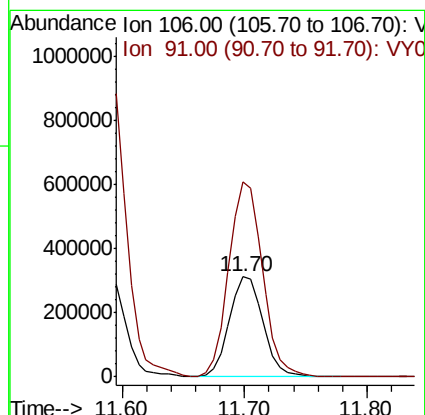
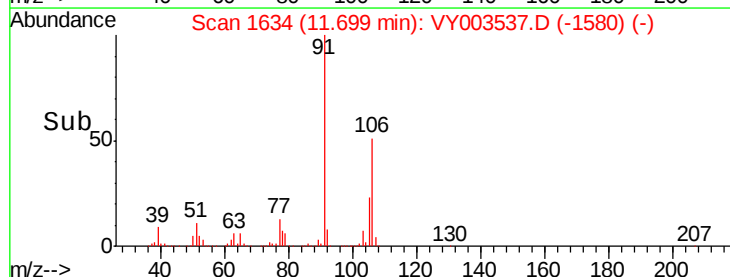
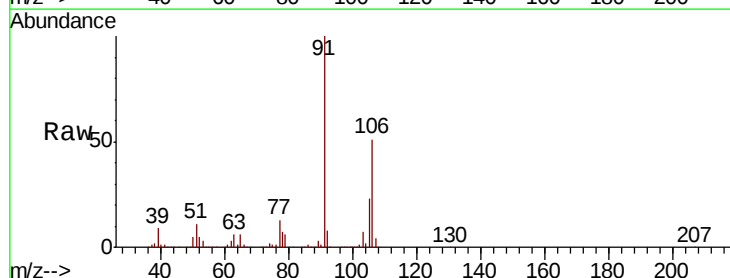
Acq: 18 Nov 2020 18:51

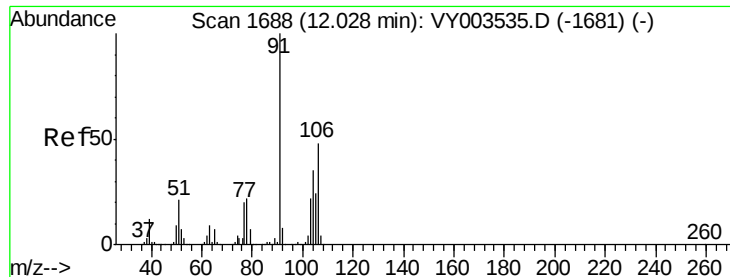
Tgt Ion: 106 Resp: 598835

Ion Ratio Lower Upper

106 100

91 194.9 133.8 248.6





#55

o-xylene

Concen: 100.751 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VY003537.D

Acq: 18 Nov 2020 18:51

Instrument :

MSVOA_Y

ClientSampleId :

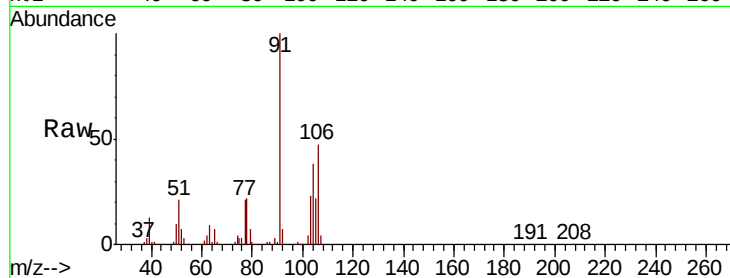
VSTD10079

Tot Ion:106 Resp: 505230

Ion Ratio Lower Upper

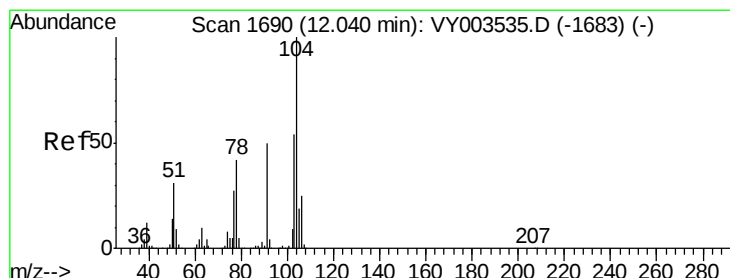
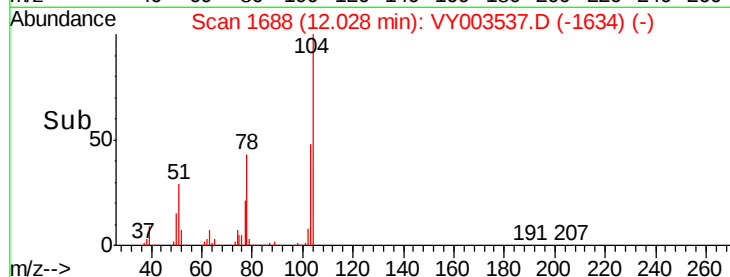
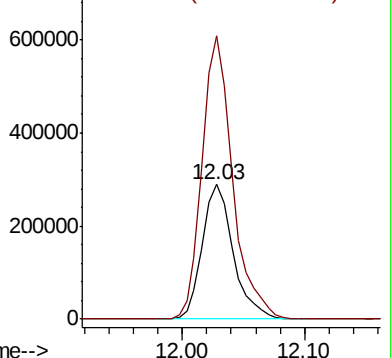
106 100

91 210.7 144.8 269.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 98.352 ug/L

RT: 12.04 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VY003537.D

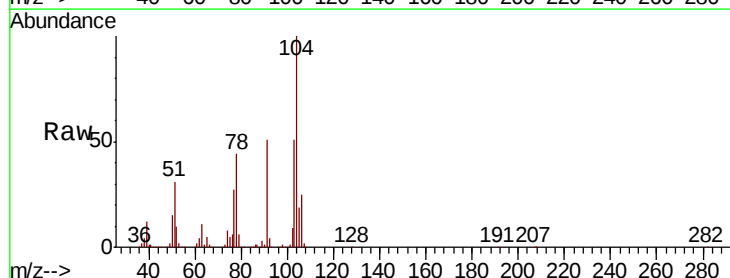
Acq: 18 Nov 2020 18:51

Tgt Ion:104 Resp: 1000364

Ion Ratio Lower Upper

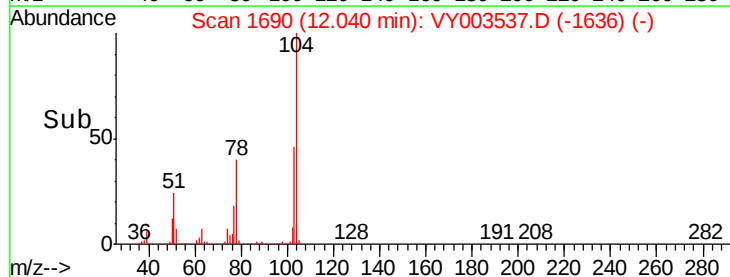
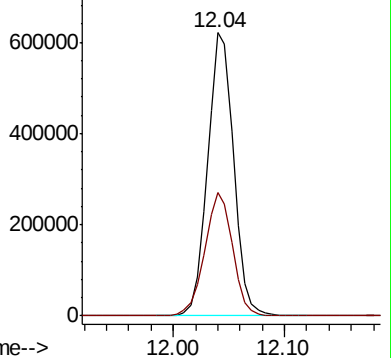
104 100

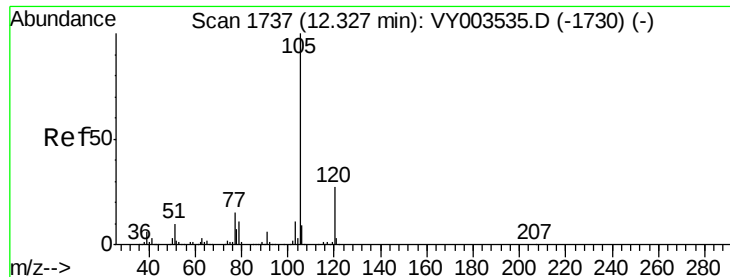
78 43.8 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 100.831 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY003537.D

Acq: 18 Nov 2020 18:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTD10079

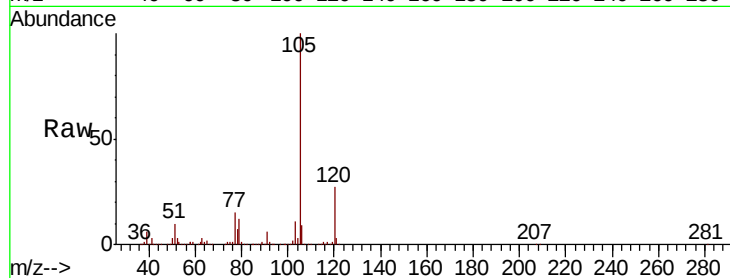
Tot Ion:105 Resp: 1112269

Ion Ratio Lower Upper

105 100

120 27.2 21.8 32.8

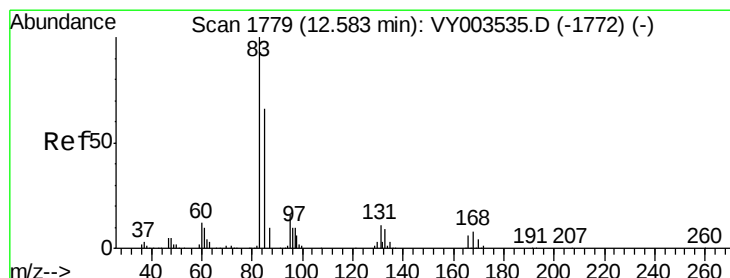
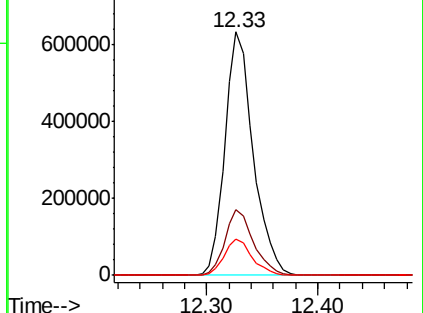
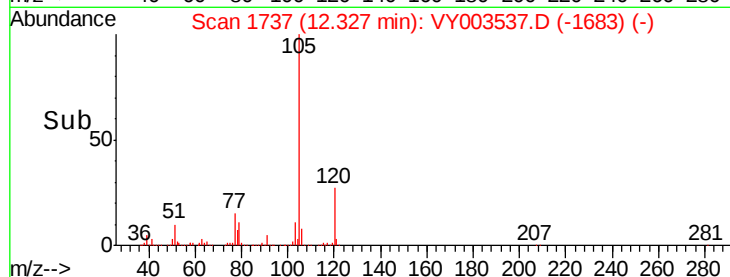
77 14.8 12.2 18.2



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: 93.053 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY003537.D

Acq: 18 Nov 2020 18:51

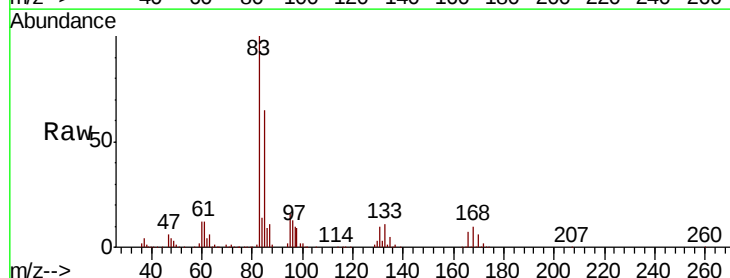
Tgt Ion: 83 Resp: 310513

Ion Ratio Lower Upper

83 100

85 64.7 46.5 86.5

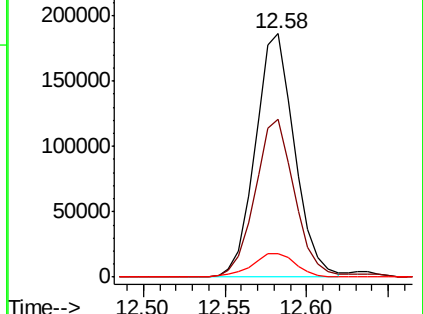
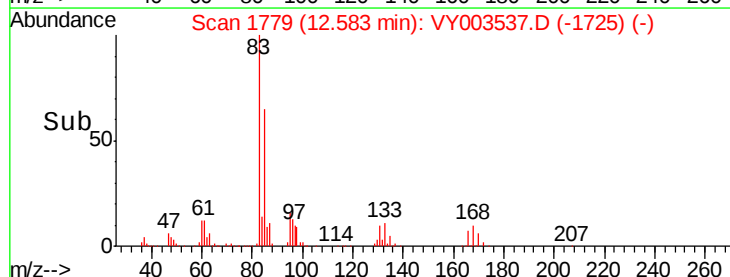
131 9.9 8.4 12.6

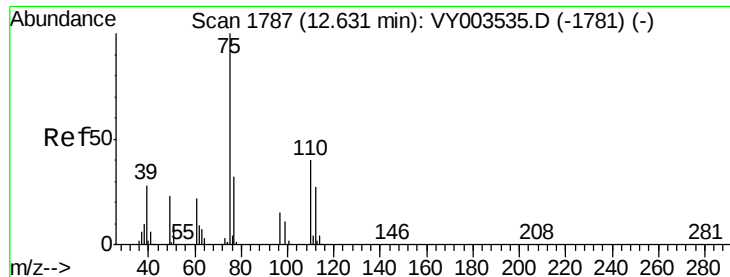


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 94.178 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY003537.D

Acq: 18 Nov 2020 18:51

Instrument :

MSVOA_Y

ClientSampleId :

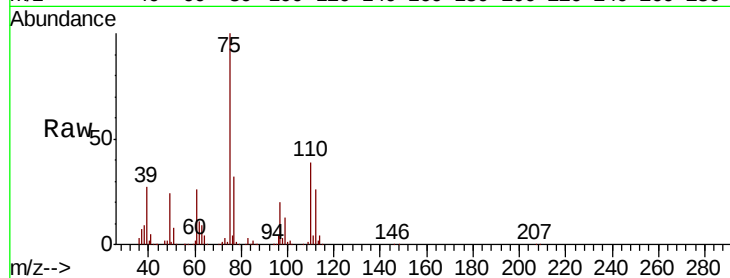
VSTD10079

Tot Ion: 75 Resp: 236596

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

12.63

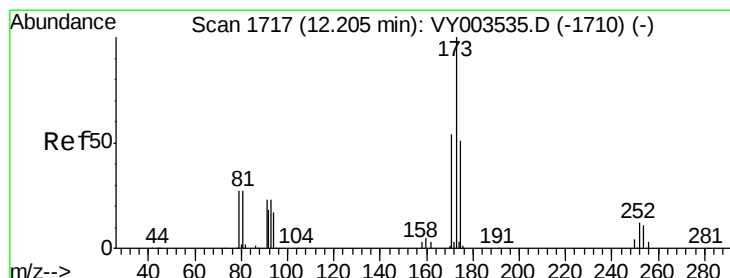
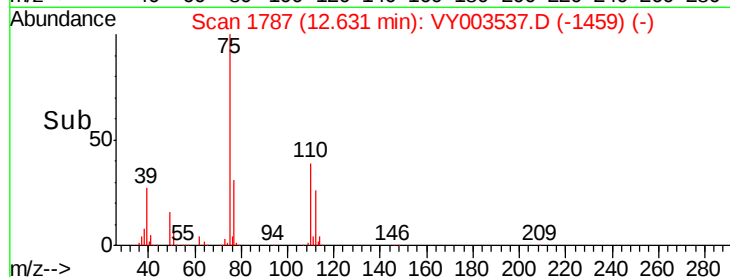
150000

100000

50000

0

Time--> 12.55 12.60 12.65 12.70



#62

Bromoform

Concen: 99.975 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY003537.D

Acq: 18 Nov 2020 18:51

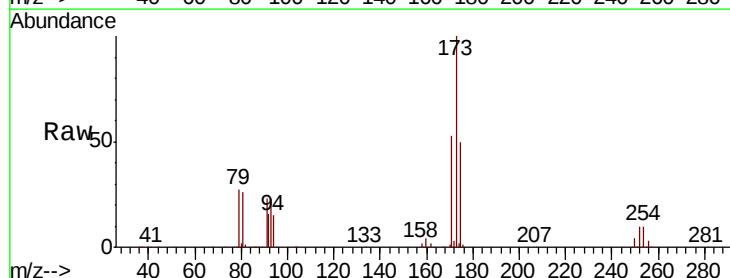
Tgt Ion: 173 Resp: 225535

Ion Ratio Lower Upper

173 100

175 48.9 39.3 58.9

254 10.4 8.6 12.8



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

12.20

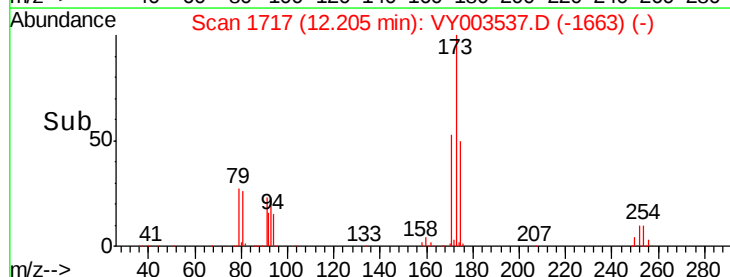
150000

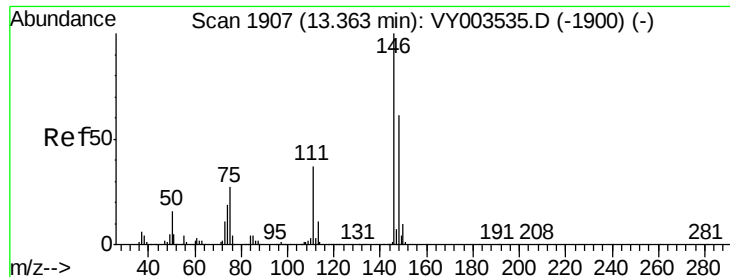
100000

50000

0

Time--> 12.20 12.30

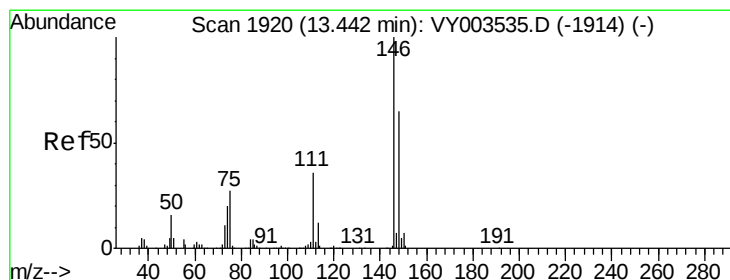
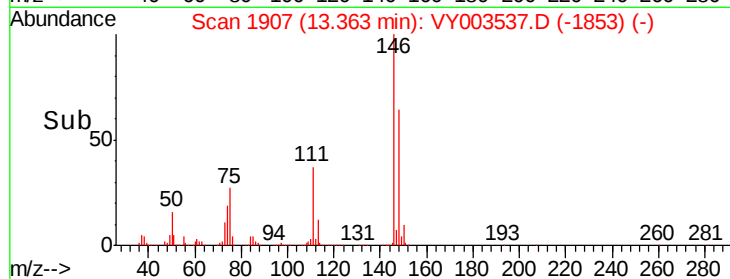
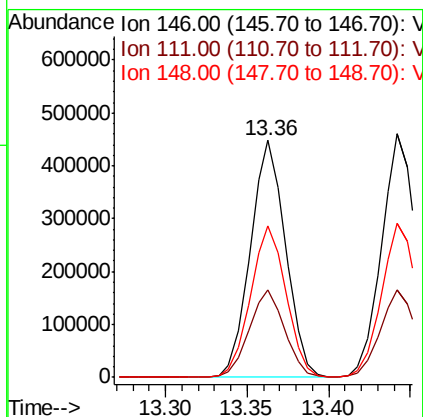
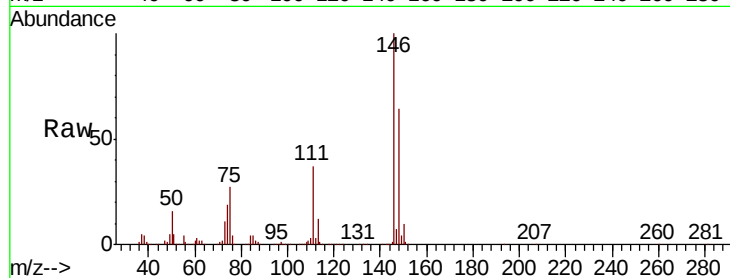




#63
 1,3-Dichlorobenzene
 Concen: 98.409 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY003537.D
 Acq: 18 Nov 2020 18:51

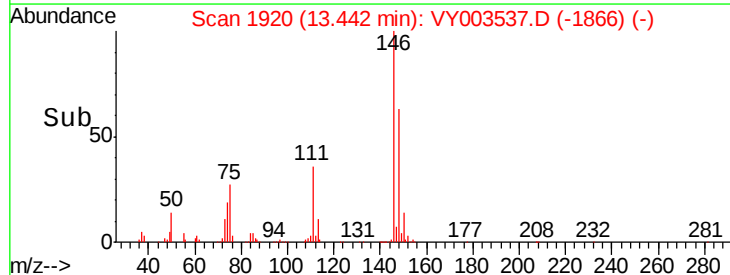
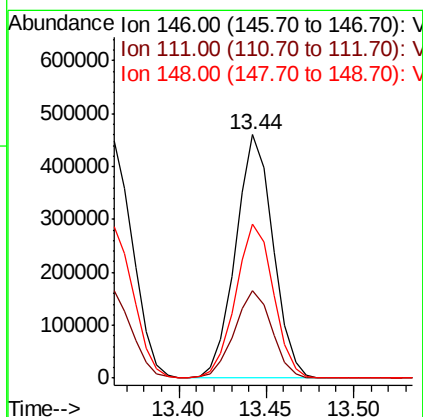
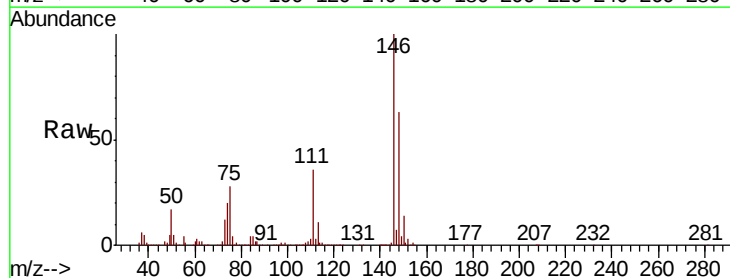
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD10079

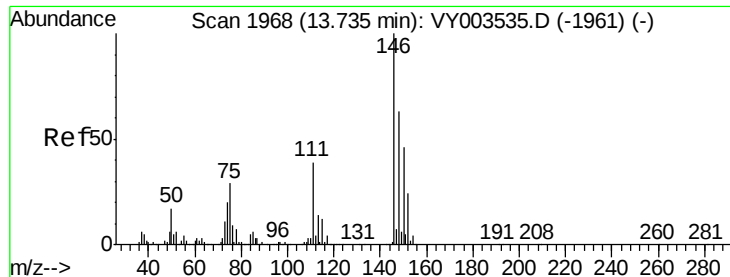
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	26.2	48.8
148	64.0	43.0	79.8



#64
 1,4-Dichlorobenzene
 Concen: 97.886 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY003537.D
 Acq: 18 Nov 2020 18:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	25.6	47.4
148	63.0	45.4	84.4

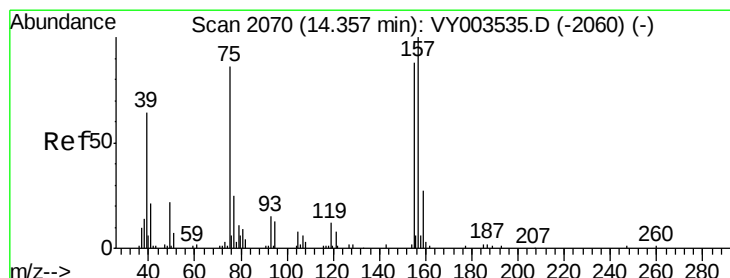
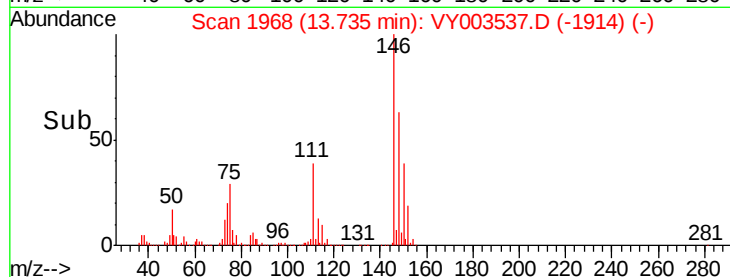
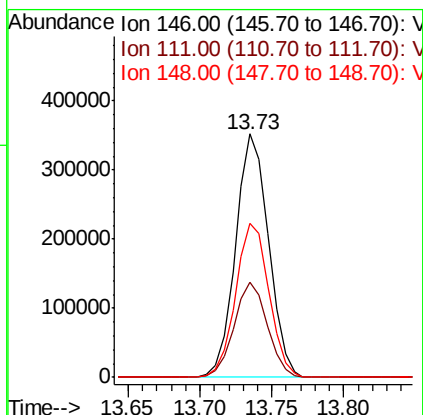
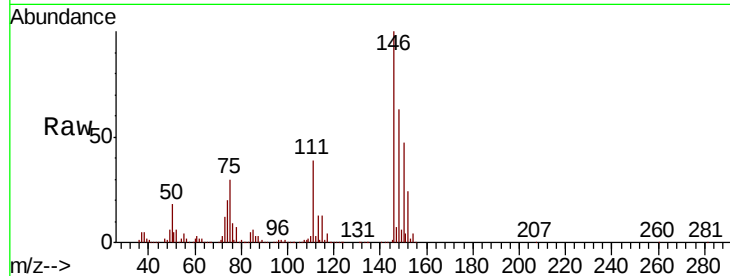




#65
 1,2-Dichlorobenzene
 Concen: 98.532 ug/L
 RT: 13.73 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY003537.D
 Acq: 18 Nov 2020 18:51

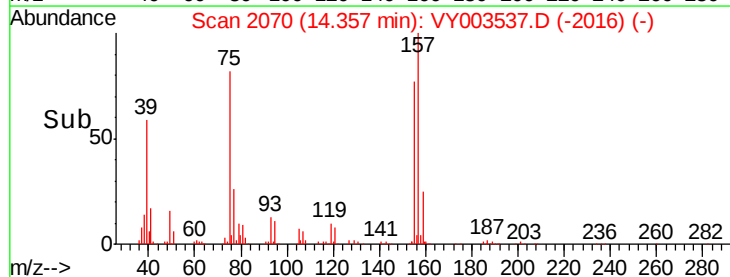
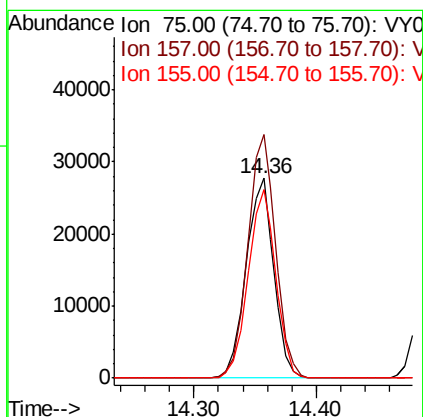
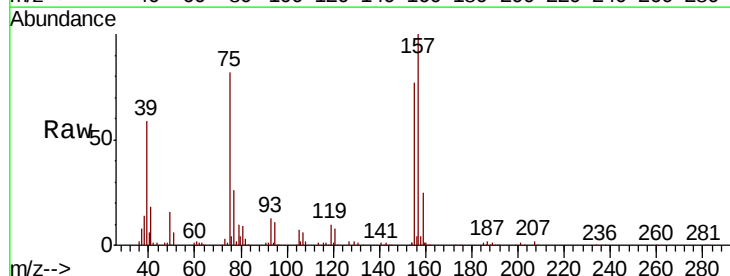
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD10079

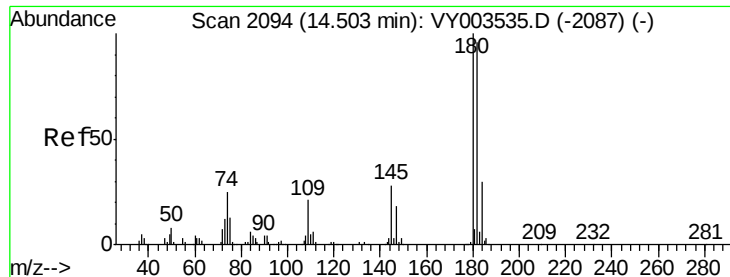
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	31.5	47.3
148	63.5	50.5	75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 96.363 ug/L
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY003537.D
 Acq: 18 Nov 2020 18:51

Tgt Ion	Ratio	Lower	Upper
75	100		
157	122.0	92.8	139.2
155	94.3	81.9	122.9

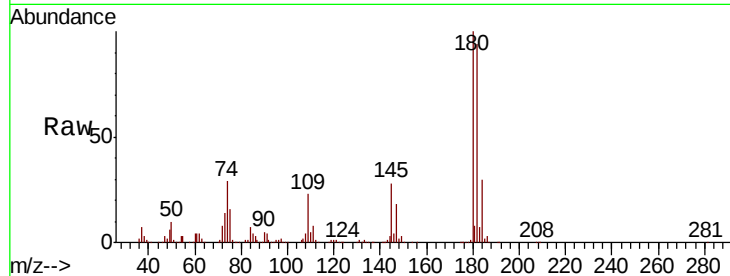




#67
 1,3,5-Trichlorobenzene
 Concen: 98.366 ug/L
 RT: 14.50 min Scan# 2093
 Delta R.T. -0.01 min
 Lab File: VY003537.D
 Acq: 18 Nov 2020 18:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD10079

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.2	114.2
184	30.1	24.1	36.1
145	27.8	22.3	33.5



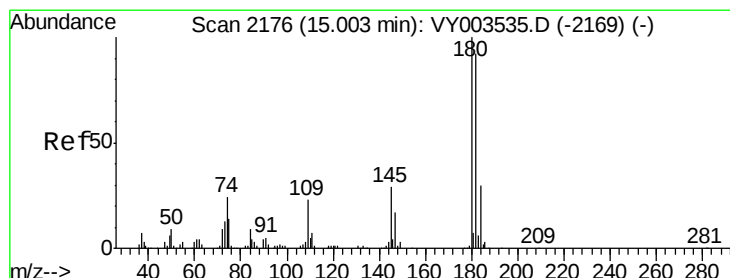
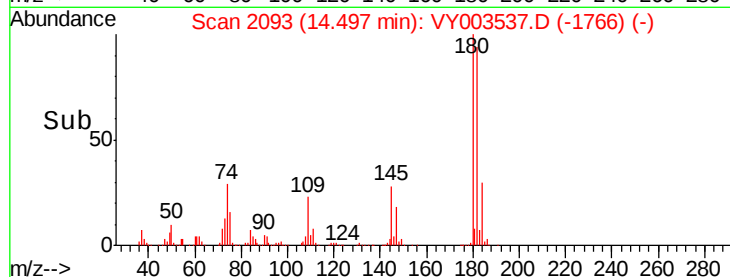
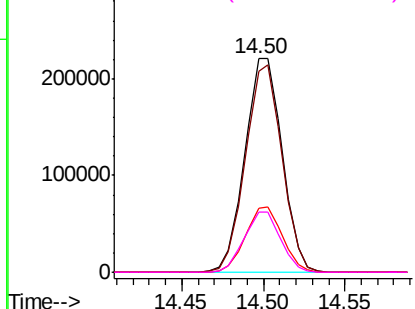
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

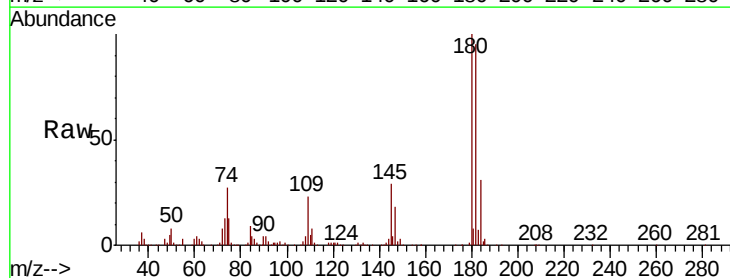
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 105.672 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY003537.D
 Acq: 18 Nov 2020 18:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.1	112.7
145	28.2	22.6	34.0

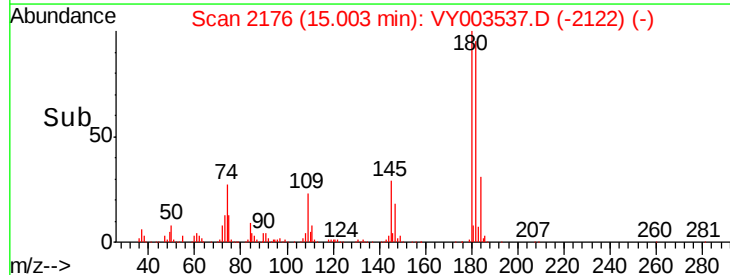
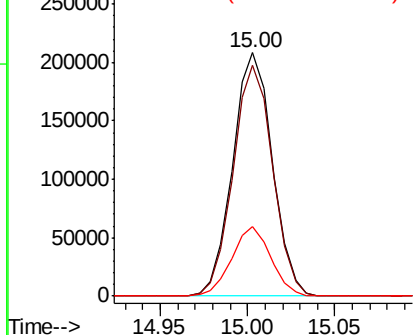


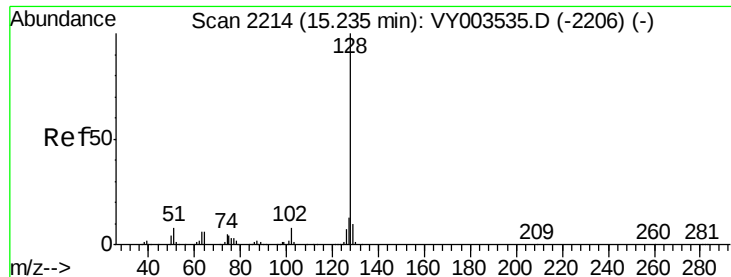
Abundance

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: 105.651 ug/L

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY003537.D

Acq: 18 Nov 2020 18:51

Instrument :

MSVOA_Y

ClientSampleId :

VSTD10079

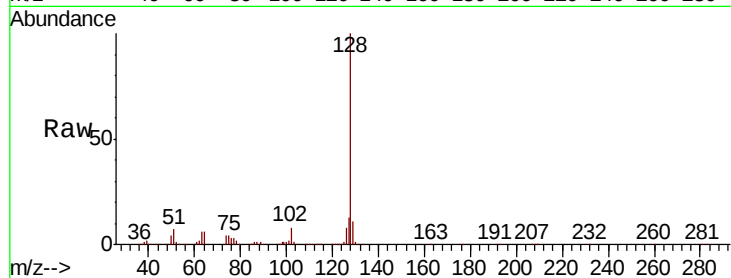
Tot Ion:128 Resp: 596157

Ion Ratio Lower Upper

128 100

129 11.0 8.4 12.6

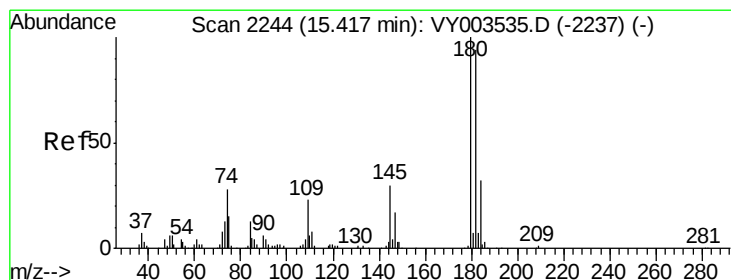
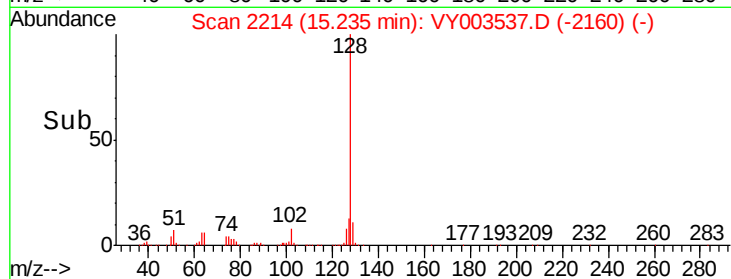
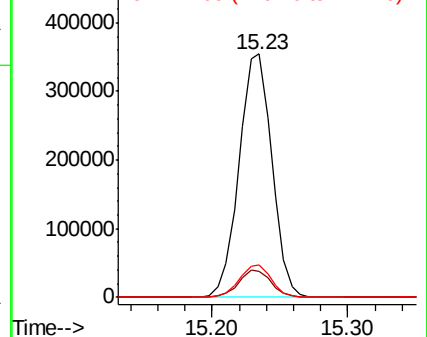
127 12.9 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 100.655 ug/L

RT: 15.42 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VY003537.D

Acq: 18 Nov 2020 18:51

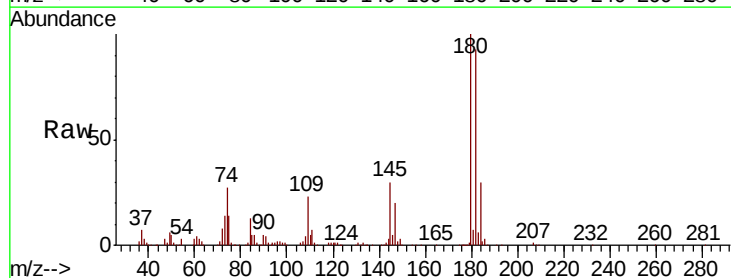
Tgt Ion:180 Resp: 239343

Ion Ratio Lower Upper

180 100

182 94.2 75.8 113.6

145 30.2 23.6 35.4



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

