

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122320\
 Data File : VY003842.D
 Acq On : 23 Dec 2020 17:10
 Operator : SY/MD
 Sample : VSTD10083
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD10083

Quant Time: Dec 23 17:19:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM122320S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 23 16:50:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	255108	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	242069	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	109481	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	340478	96.32	ug/L	0.00
7) Chloroethane-d5	2.76	69	190512	73.61	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	602172	84.08	ug/L	0.00
20) 2-Butanone-d5	6.90	46	245000	169.92	ug/L	0.00
24) Chloroform-d	7.48	84	622714	96.91	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	358406	95.98	ug/L	0.00
29) Benzene-d6	8.11	84	1332942	95.11	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.12	67	371752	87.14	ug/L	0.00
37) Toluene-d8	10.18	98	1284723	100.23	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	208471	98.67	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	218834	190.43	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	367917	98.88	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	412636	102.78	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	378351	85.396 ug/L	98
3) Chloromethane	2.12	50	360950	89.181 ug/L	97
5) Vinyl chloride	2.25	62	389391	94.769 ug/L	98
6) Bromomethane	2.65	94	203117	82.694 ug/L	98
8) Chloroethane	2.80	64	159025	67.592 ug/L	94
9) Trichlorofluoromethane	3.13	101	482471	78.513 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	323063	87.145 ug/L	100
12) 1,1-Dichloroethene	3.87	96	321397	90.641 ug/L	90
13) Acetone	3.95	43	154804	154.260 ug/L	100
14) Carbon disulfide	4.20	76	1047591	85.018 ug/L	99
15) Methyl Acetate	4.48	43	193306	75.251 ug/L #	88
16) Methylene chloride	4.72	84	345798	75.338 ug/L	97
17) Methyl tert-butyl Ether	5.23	73	896587	91.555 ug/L	100
18) trans-1,2-Dichloroethene	5.23	96	351450	91.378 ug/L	95
19) 1,1-Dichloroethane	6.03	63	535294	82.725 ug/L	99
21) 2-Butanone	6.99	43	258875	150.113 ug/L	99
22) cis-1,2-Dichloroethene	6.99	96	380324	93.147 ug/L	97
23) Bromochloromethane	7.34	128	188482	97.576 ug/L	92
25) Chloroform	7.51	83	581363	92.302 ug/L	100
27) 1,2-Dichloroethane	8.24	62	403138	90.024 ug/L	99
30) Cyclohexane	7.79	56	521502	81.707 ug/L	96
31) 1,1,1-Trichloroethane	7.71	97	541757	91.395 ug/L	100
32) Carbon tetrachloride	7.90	117	502960	94.784 ug/L	99
34) Benzene	8.17	78	1372584	89.084 ug/L	100
35) Trichloroethene	8.94	95	365963	88.768 ug/L	99
36) Methylcyclohexane	9.18	83	620662	88.924 ug/L	98
40) 1,2-Dichloropropane	9.22	63	322833	82.517 ug/L	99
41) Bromodichloromethane	9.50	83	452639	90.936 ug/L	99
42) cis-1,3-Dichloropropene	9.93	75	517959	82.414 ug/L	99
43) 4-Methyl-2-pentanone	10.07	43	511445	139.150 ug/L	99

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

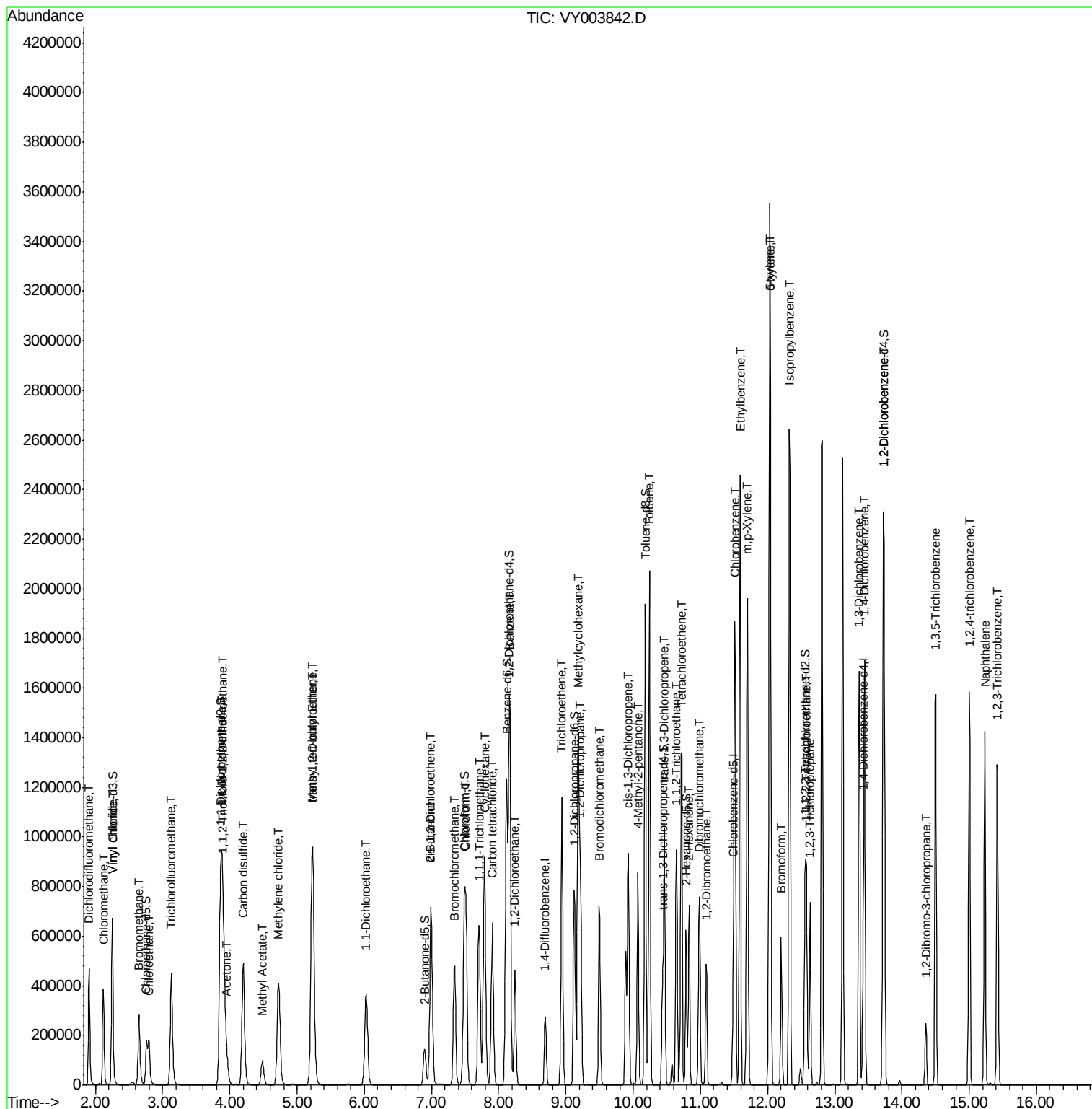
44) Toluene	10.25	91	1551424	93.929	ug/L	98
45) trans-1,3-Dichloropropene	10.47	75	527860	91.913	ug/L	100
46) 1,1,2-Trichloroethane	10.64	97	298262	92.228	ug/L	98
47) Tetrachloroethene	10.72	164	321947	95.730	ug/L	99
49) 2-Hexanone	10.83	43	416462	165.412	ug/L	99
50) Dibromochloromethane	10.98	129	376901	98.532	ug/L	98
51) 1,2-Dibromoethane	11.09	107	297838	93.544	ug/L	98
52) Chlorobenzene	11.51	112	1002696	94.142	ug/L	98
53) Ethylbenzene	11.59	91	1679487	93.271	ug/L	100
54) m,p-Xylene	11.70	106	652353	93.212	ug/L	98
55) o-xylene	12.03	106	646077	98.430	ug/L	98
56) Styrene	12.04	104	1118923	99.527	ug/L	95
57) Isopropylbenzene	12.32	105	1693176	96.629	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.58	83	338496	92.316	ug/L	99
59) 1,2,3-Trichloropropane	12.63	75	274279	88.921	ug/L	100
62) Bromoform	12.20	173	265559	117.033	ug/L	98
63) 1,3-Dichlorobenzene	13.36	146	682909	95.433	ug/L	98
64) 1,4-Dichlorobenzene	13.44	146	681799	92.998	ug/L	99
65) 1,2-Dichlorobenzene	13.73	146	626578	94.072	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.35	75	54177	85.444	ug/L	96
67) 1,3,5-Trichlorobenzene	14.50	180	498603	98.587	ug/L	99
68) 1,2,4-trichlorobenzene	15.00	180	498928	115.231	ug/L	99
69) Naphthalene	15.23	128	1179382	121.794	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	449867	114.740	ug/L	100

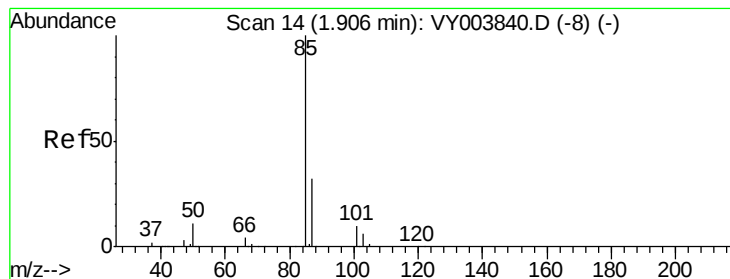
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 85.396 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.00 min

Lab File: VY003842.D

Acq: 23 Dec 2020 17:10

Instrument :

MSVOA_Y

ClientSampleId :

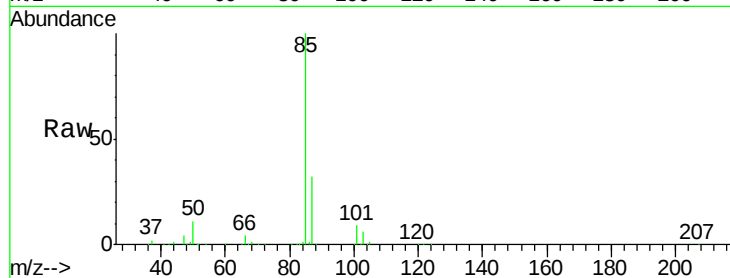
VSTD10083

Tgt Ion: 85 Resp: 378351

Ion Ratio Lower Upper

85 100

87 32.3 23.4 43.6



Abundance Ion 85.00 (84.70 to 85.70): VY003842.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VY003842.D (-8) (-)

1.91

250000

200000

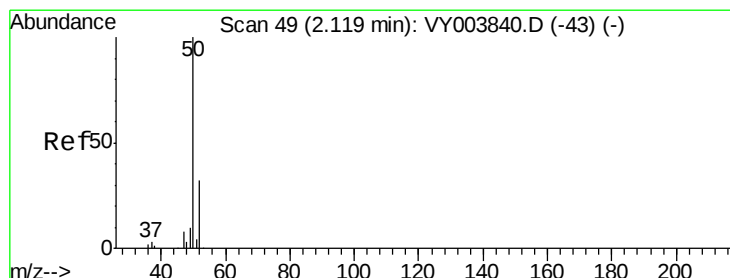
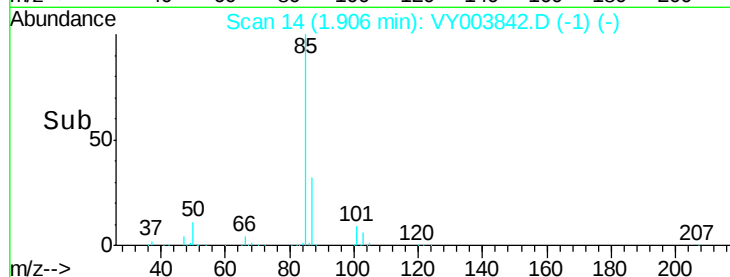
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 89.181 ug/L

RT: 2.12 min Scan# 49

Delta R.T. -0.00 min

Lab File: VY003842.D

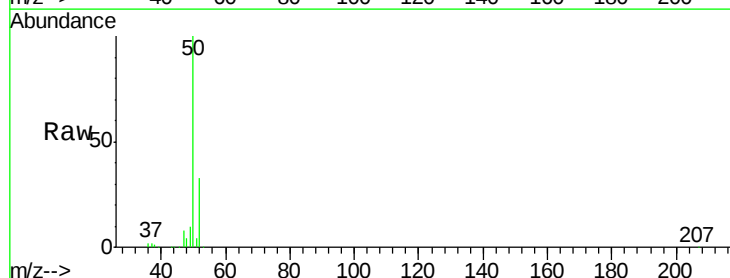
Acq: 23 Dec 2020 17:10

Tgt Ion: 50 Resp: 360950

Ion Ratio Lower Upper

50 100

52 33.1 22.2 41.2



Abundance Ion 50.00 (49.70 to 50.70): VY003842.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VY003842.D (-43) (-)

2.12

250000

200000

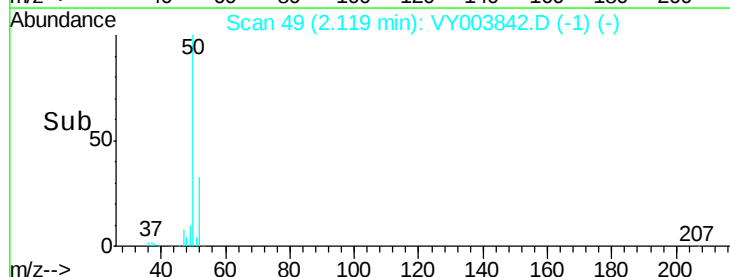
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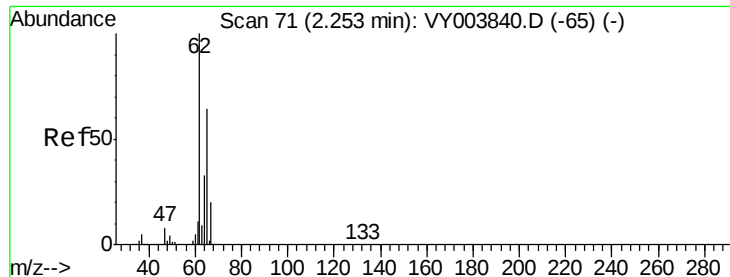
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 94.769 ug/L

RT: 2.25 min Scan# 71

Delta R.T. -0.00 min

Lab File: VY003842.D

Acq: 23 Dec 2020 17:10

Instrument :

MSVOA_Y

ClientSampleId :

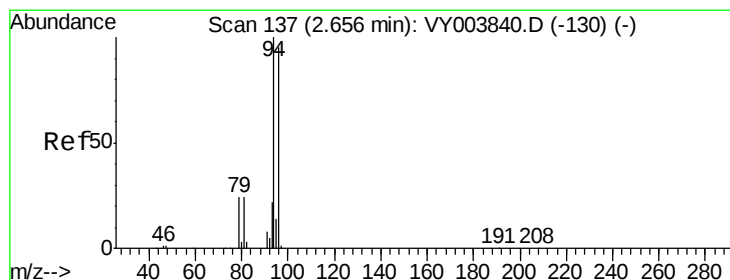
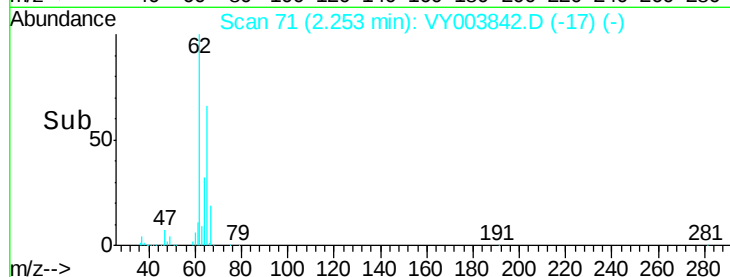
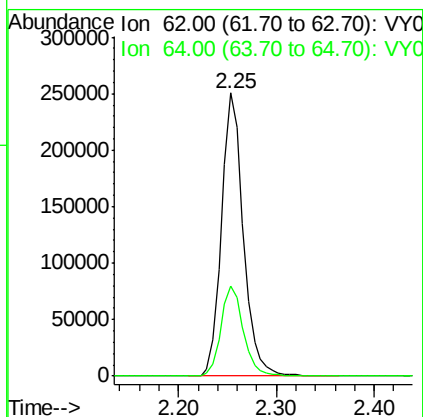
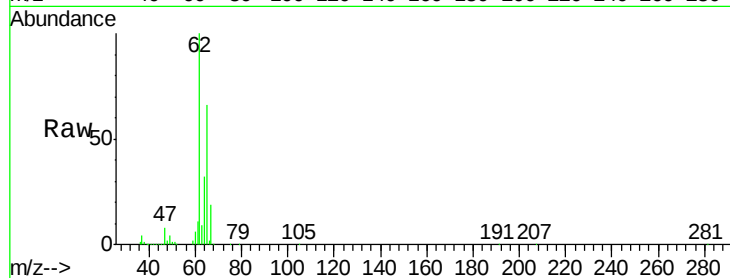
VSTD10083

Tgt Ion: 62 Resp: 389391

Ion Ratio Lower Upper

62 100

64 31.8 23.1 42.9



#6

Bromomethane

Concen: 82.694 ug/L

RT: 2.65 min Scan# 136

Delta R.T. -0.01 min

Lab File: VY003842.D

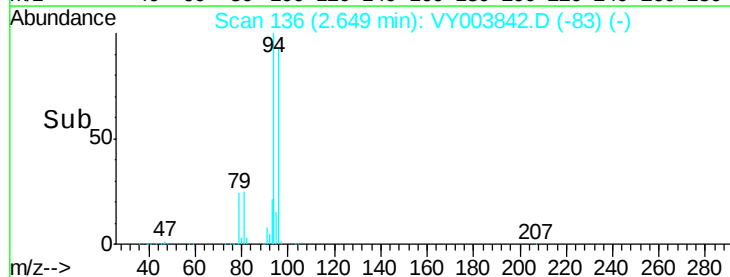
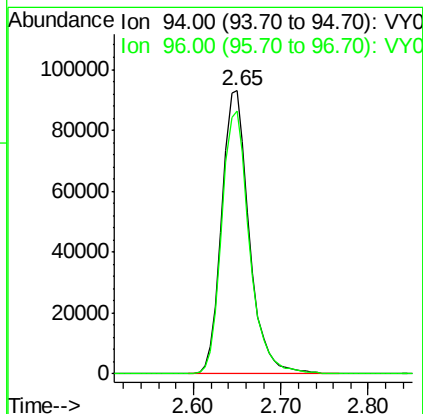
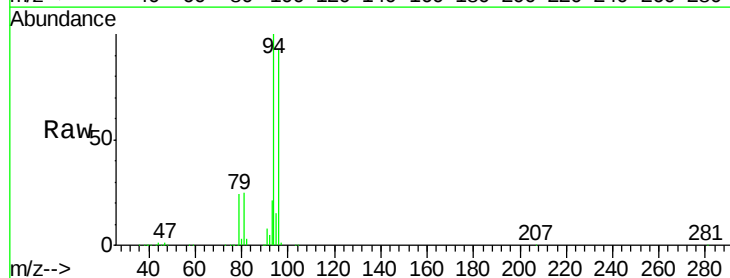
Acq: 23 Dec 2020 17:10

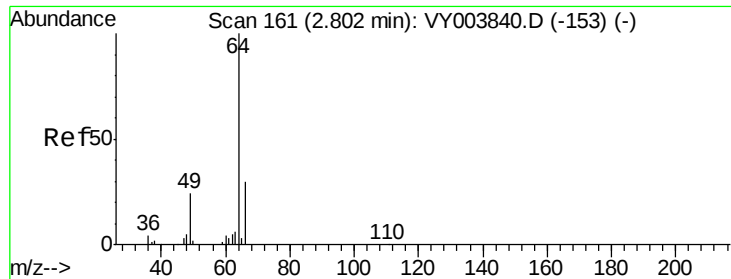
Tgt Ion: 94 Resp: 203117

Ion Ratio Lower Upper

94 100

96 93.7 9.6 182.0





#8

Chloroethane

Concen: 67.592 ug/L

RT: 2.80 min Scan# 160

Delta R.T. -0.01 min

Lab File: VY003842.D

Acq: 23 Dec 2020 17:10

Instrument :

MSVOA_Y

ClientSampleId :

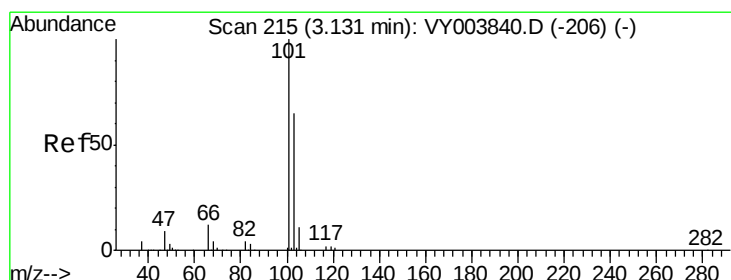
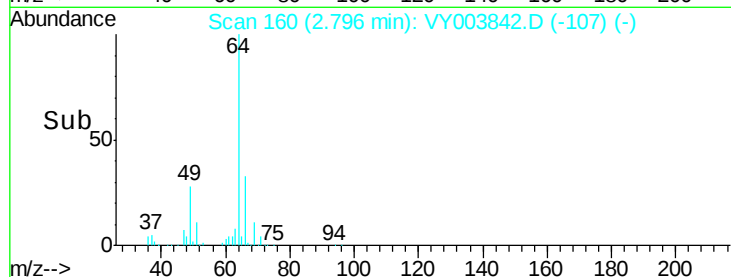
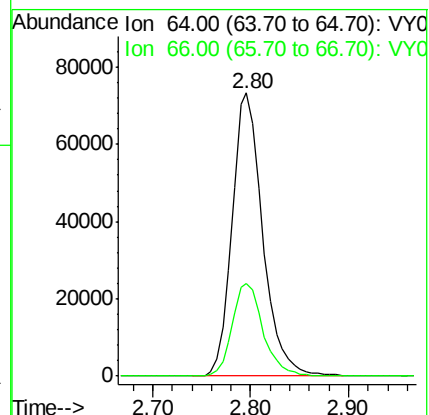
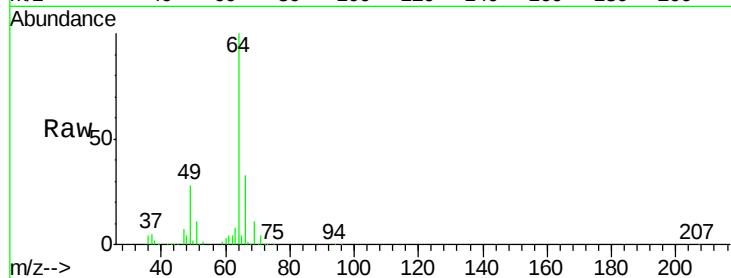
VSTD10083

Tgt Ion: 64 Resp: 159025

Ion Ratio Lower Upper

64 100

66 32.9 20.9 38.9



#9

Trichlorofluoromethane

Concen: 78.513 ug/L

RT: 3.13 min Scan# 215

Delta R.T. -0.00 min

Lab File: VY003842.D

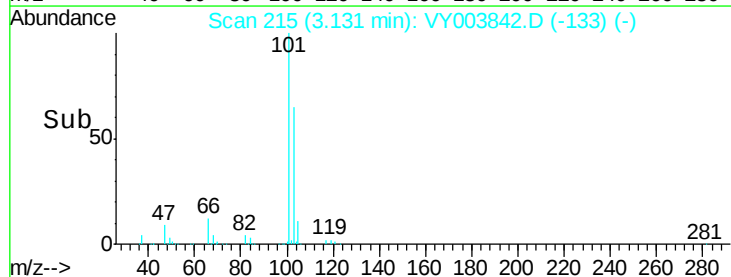
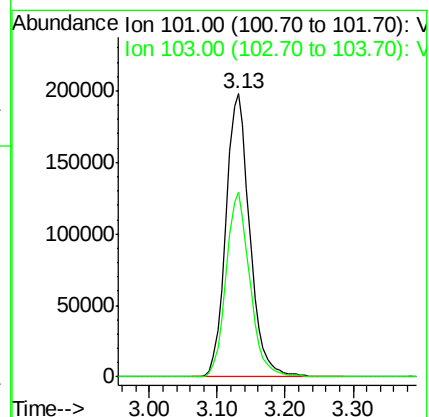
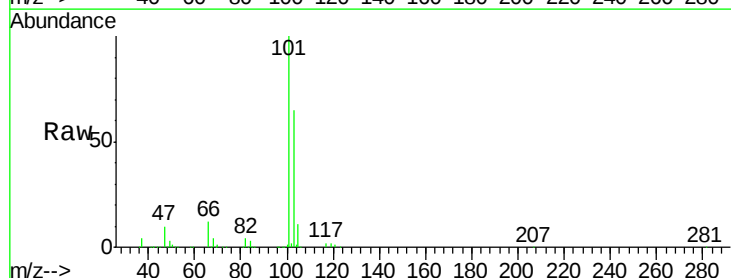
Acq: 23 Dec 2020 17:10

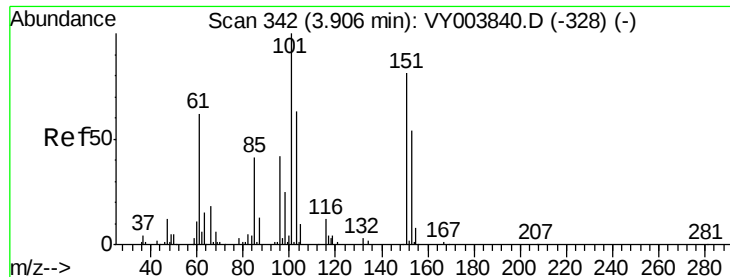
Tgt Ion: 101 Resp: 482471

Ion Ratio Lower Upper

101 100

103 65.0 45.1 83.9





#11

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

Concen: 87.145 ug/L

RT: 3.91 min Scan# 342

Delta R.T. -0.00 min

Lab File: VY003842.D

Acq: 23 Dec 2020 17:10

Instrument :

MSVOA_Y

ClientSampled :

VSTD10083

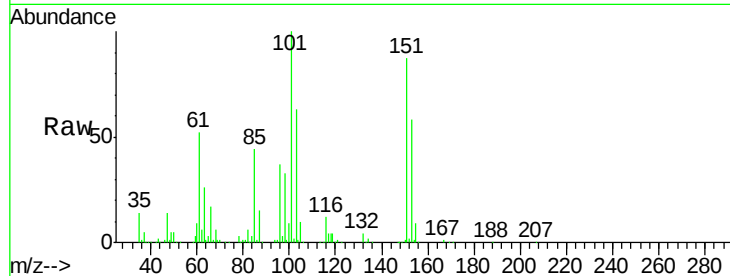
Tgt Ion:101 Resp: 323063

Ion Ratio Lower Upper

101 100

85 43.3 34.5 51.7

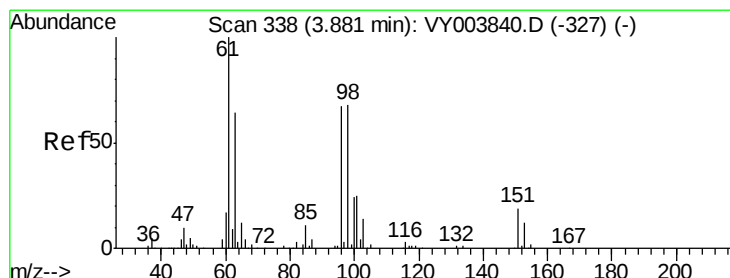
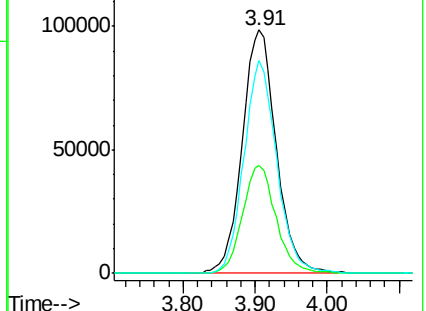
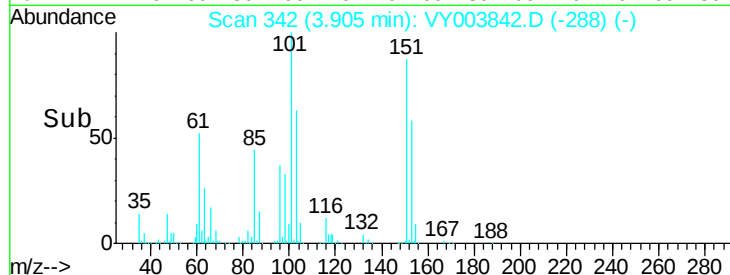
151 84.1 67.6 101.4



Abundance Ion 101.00 (100.70 to 101.70): VY003842.D (-288) (-)

Ion 85.00 (84.70 to 85.70): VY003842.D (-288) (-)

Ion 151.00 (150.70 to 151.70): VY003842.D (-288) (-)



#12

1,1-Dichloroethene

Concen: 90.641 ug/L

RT: 3.87 min Scan# 337

Delta R.T. -0.01 min

Lab File: VY003842.D

Acq: 23 Dec 2020 17:10

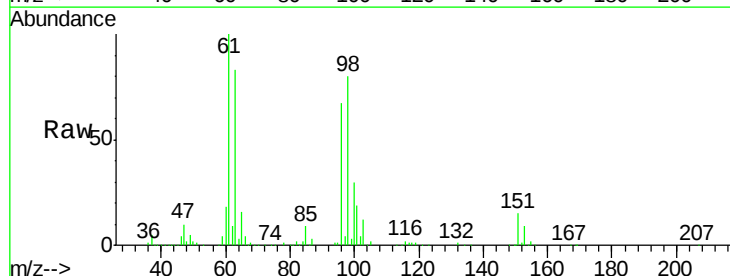
Tgt Ion: 96 Resp: 321397

Ion Ratio Lower Upper

96 100

61 148.3 104.7 194.5

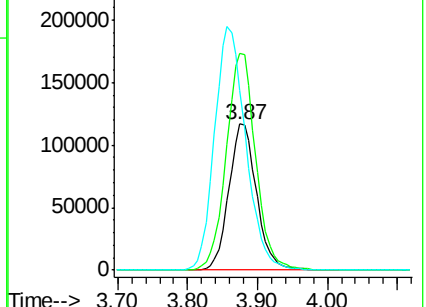
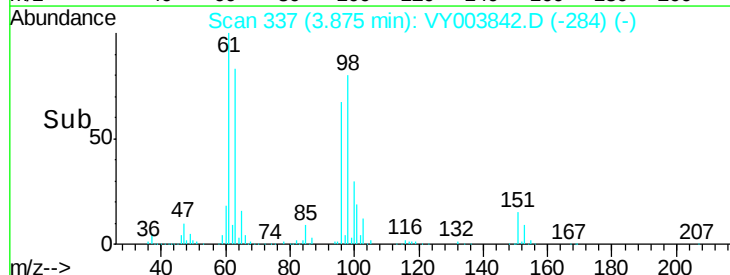
63 123.3 69.9 129.7

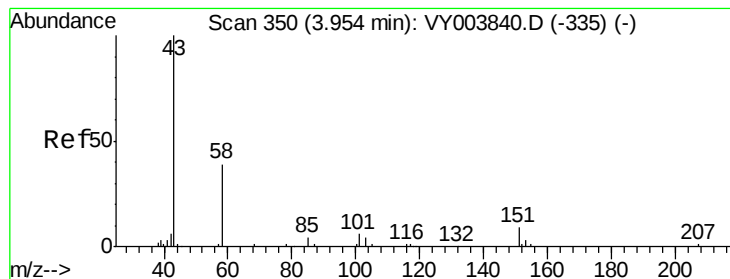


Abundance Ion 96.00 (95.70 to 96.70): VY003842.D (-284) (-)

Ion 61.00 (60.70 to 61.70): VY003842.D (-284) (-)

Ion 63.00 (62.70 to 63.70): VY003842.D (-284) (-)





#13

Acetone

Concen: 154.260 ug/L

RT: 3.95 min Scan# 350

Delta R.T. -0.00 min

Lab File: VY003842.D

Acq: 23 Dec 2020 17:10

Instrument :

MSVOA_Y

ClientSampleId :

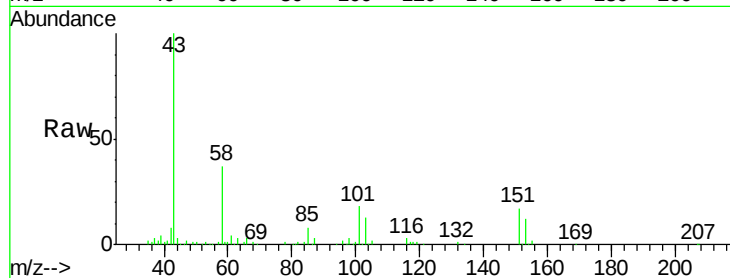
VSTD10083

Tgt Ion: 43 Resp: 154804

Ion Ratio Lower Upper

43 100

58 35.4 0.0 71.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

60000

50000

40000

30000

20000

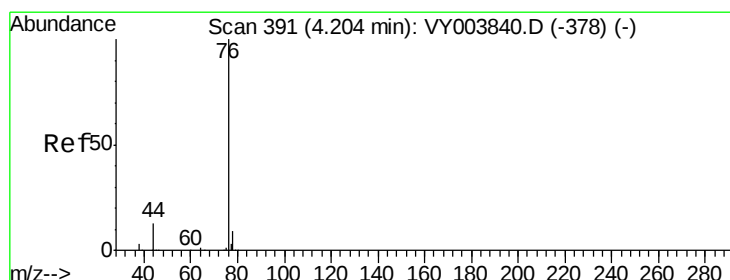
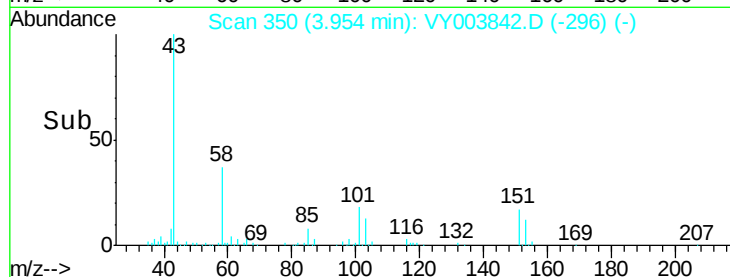
10000

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Time-->

3.80 3.90 4.00 4.10

3.95



#14

Carbon disulfide

Concen: 85.018 ug/L

RT: 4.20 min Scan# 390

Delta R.T. -0.01 min

Lab File: VY003842.D

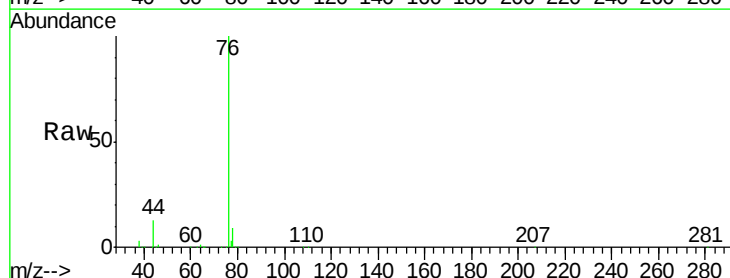
Acq: 23 Dec 2020 17:10

Tgt Ion: 76 Resp: 1047591

Ion Ratio Lower Upper

76 100

78 8.6 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

400000

300000

200000

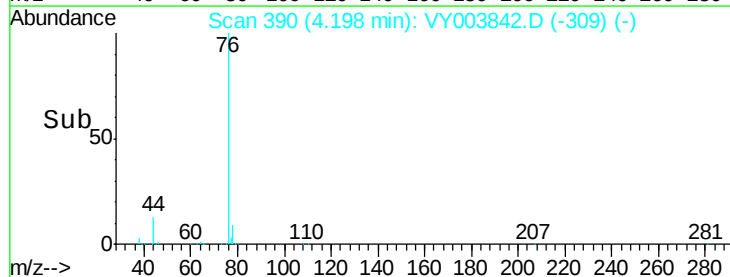
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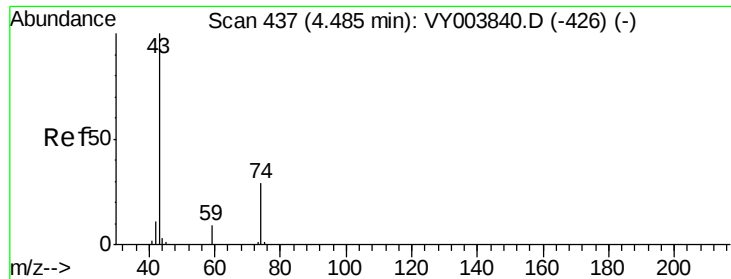
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Time-->

4.10 4.20 4.30 4.40

4.20

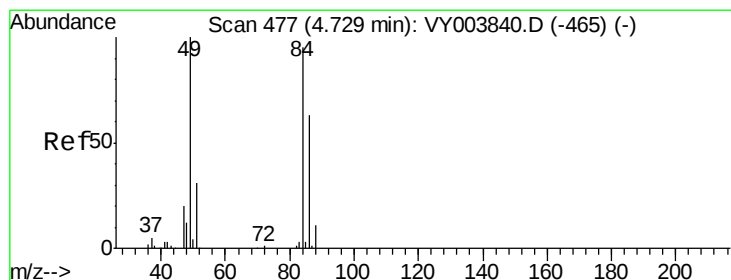
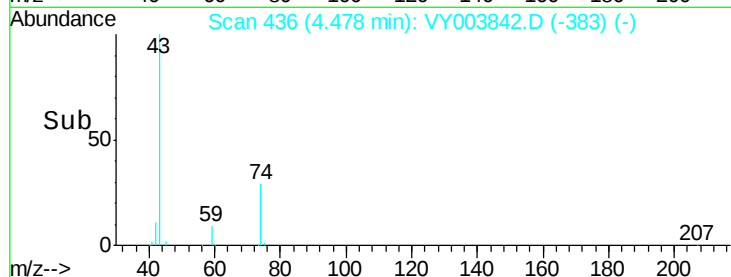
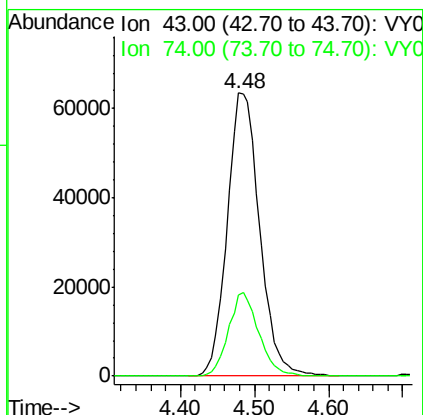
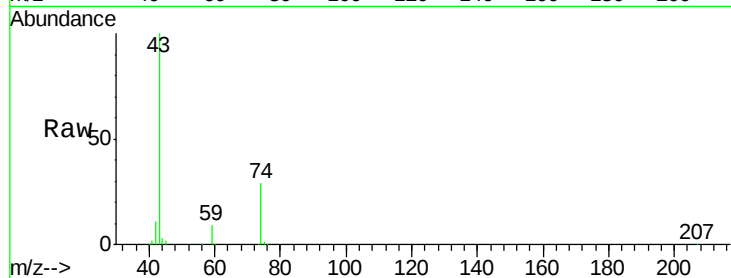




#15
Methyl Acetate
Concen: 75.251 ug/L
RT: 4.48 min Scan# 436
Delta R.T. -0.01 min
Lab File: VY003842.D
Acq: 23 Dec 2020 17:10

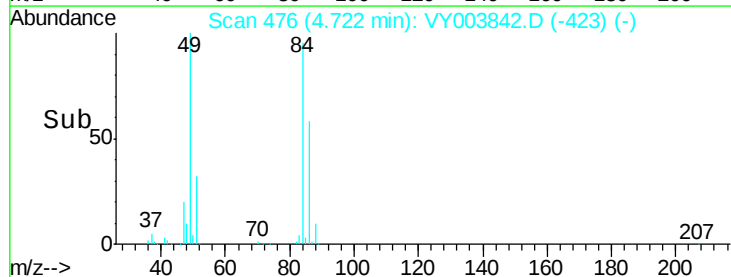
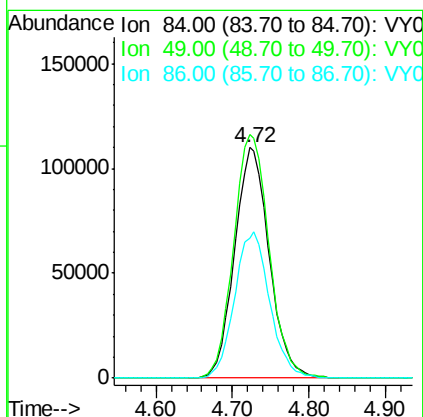
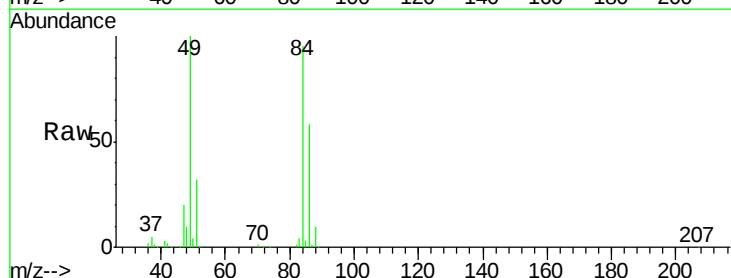
Instrument :
MSVOA_Y
ClientSampleId :
VSTD10083

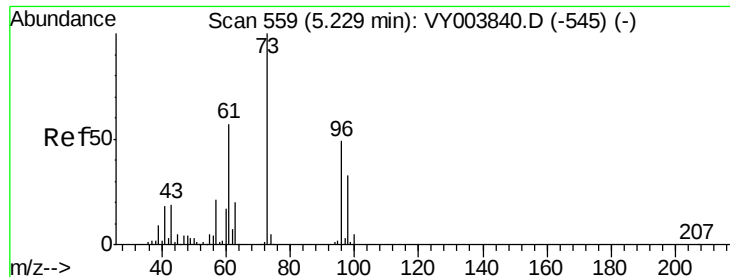
Tgt Ion: 43 Resp: 193306
Ion Ratio Lower Upper
43 100
74 27.6 0.1 0.1#



#16
Methylene chloride
Concen: 75.338 ug/L
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VY003842.D
Acq: 23 Dec 2020 17:10

Tgt Ion: 84 Resp: 345798
Ion Ratio Lower Upper
84 100
49 105.7 74.1 137.5
86 61.0 46.6 86.6

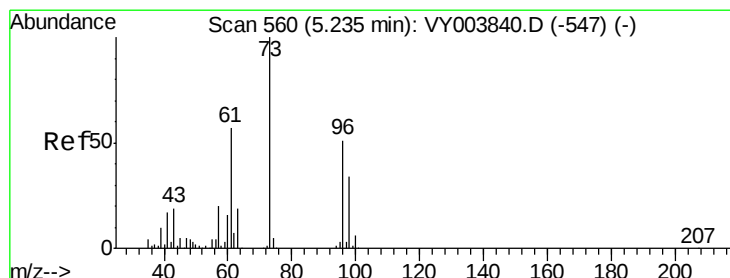
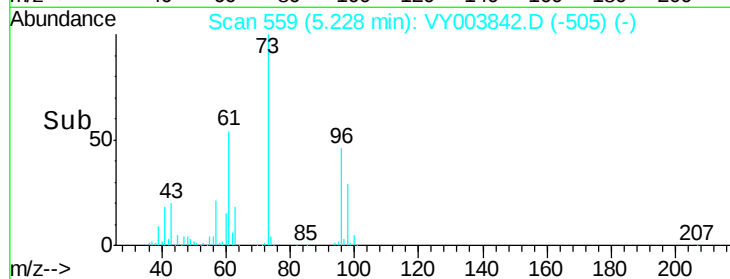
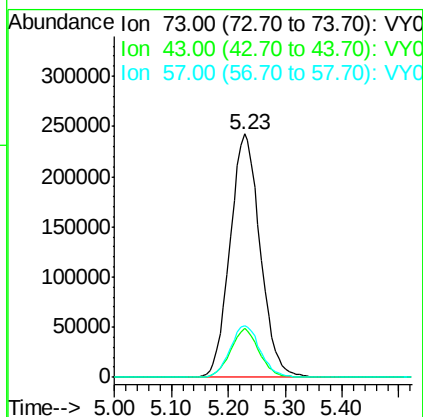
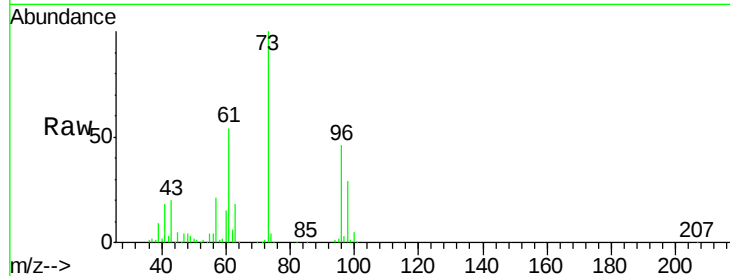




#17
Methyl tert-butyl Ether
Concen: 91.555 ug/L
RT: 5.23 min Scan# 559
Delta R.T. -0.00 min
Lab File: VY003842.D
Acq: 23 Dec 2020 17:10

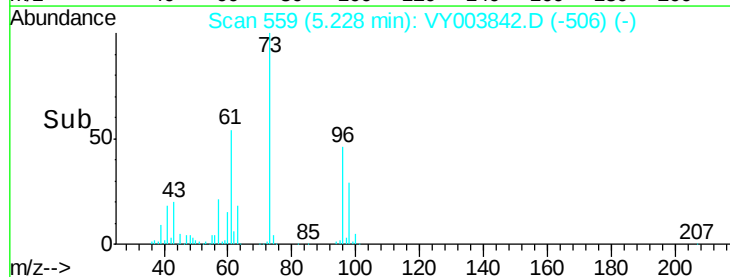
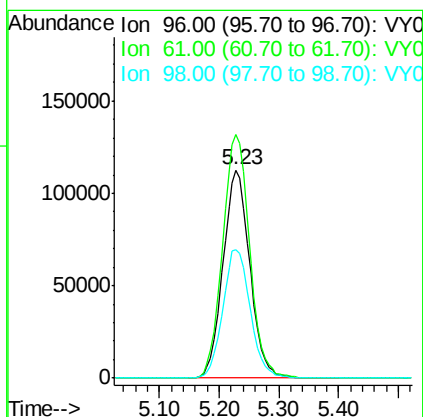
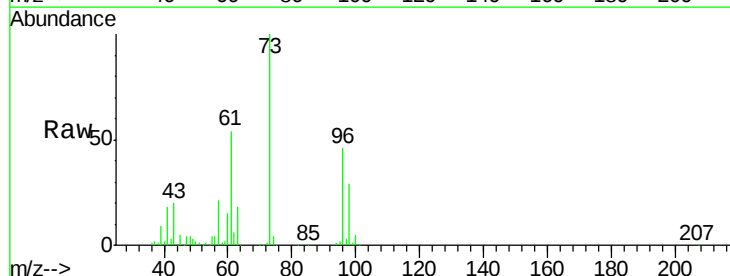
Instrument :
MSVOA_Y
ClientSampleId :
VSTD10083

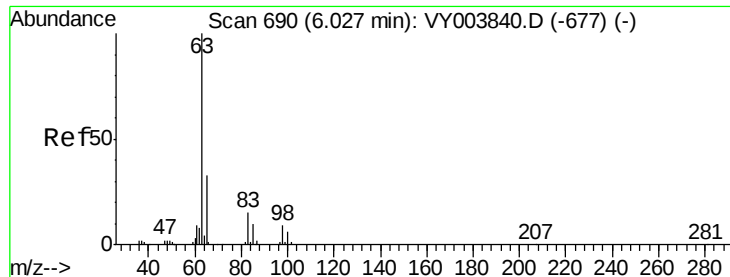
Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.2	15.3	22.9
57	21.1	16.9	25.3



#18
trans-1,2-Dichloroethene
Concen: 91.378 ug/L
RT: 5.23 min Scan# 559
Delta R.T. -0.01 min
Lab File: VY003842.D
Acq: 23 Dec 2020 17:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	116.9	78.3	145.3
98	61.9	46.8	87.0

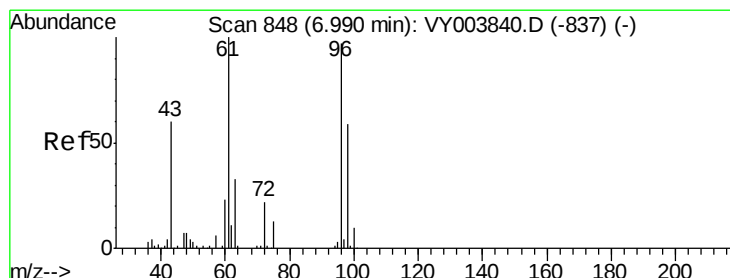
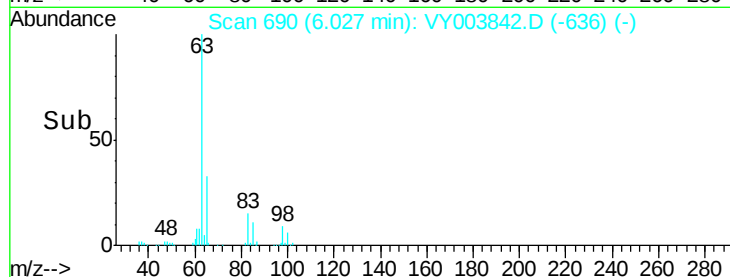
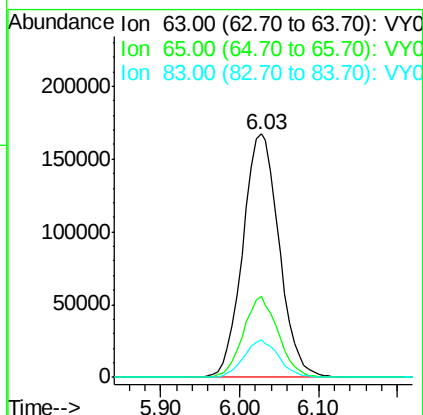
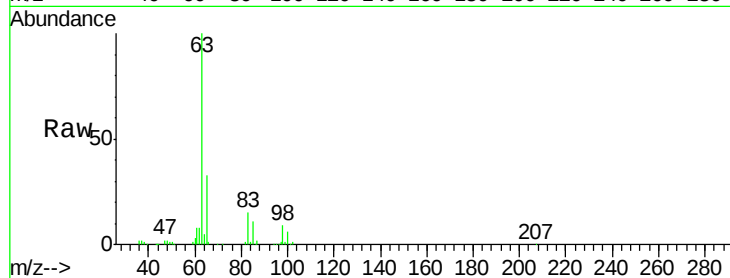




#19
 1,1-Dichloroethane
 Concen: 82.725 ug/L
 RT: 6.03 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VY003842.D
 Acq: 23 Dec 2020 17:10

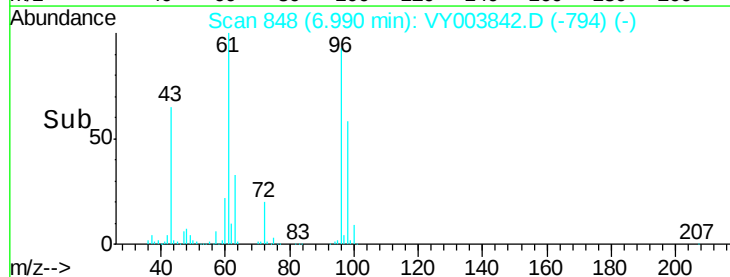
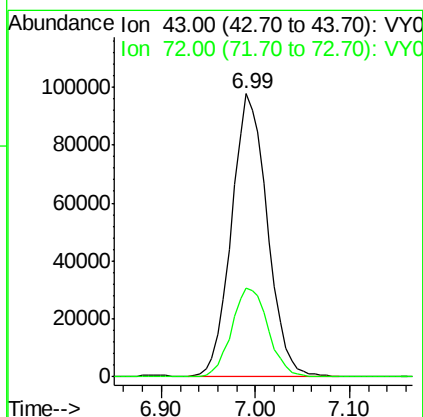
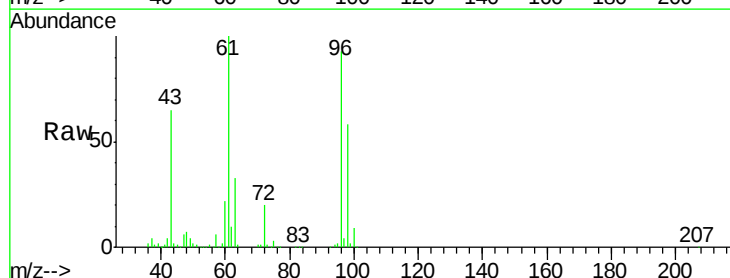
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD10083

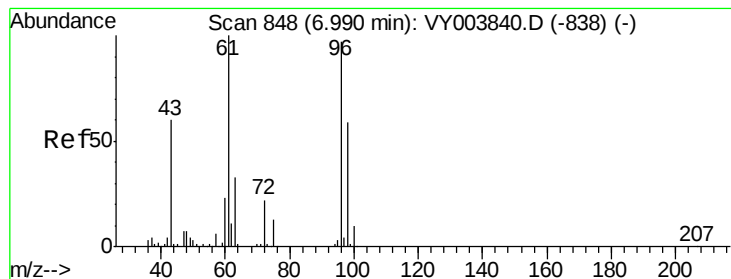
Tgt Ion: 63 Resp: 535294
 Ion Ratio Lower Upper
 63 100
 65 33.4 22.9 42.5
 83 15.4 10.4 19.2



#21
 2-Butanone
 Concen: 150.113 ug/L
 RT: 6.99 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VY003842.D
 Acq: 23 Dec 2020 17:10

Tgt Ion: 43 Resp: 258875
 Ion Ratio Lower Upper
 43 100
 72 32.1 16.3 48.8



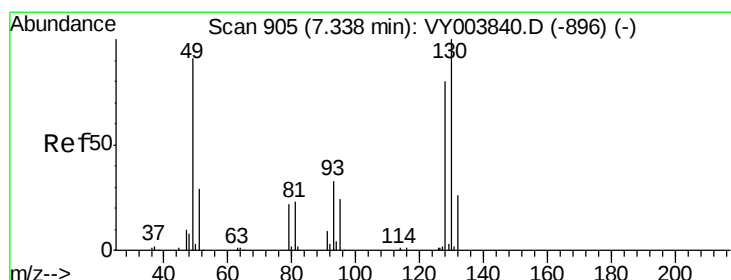
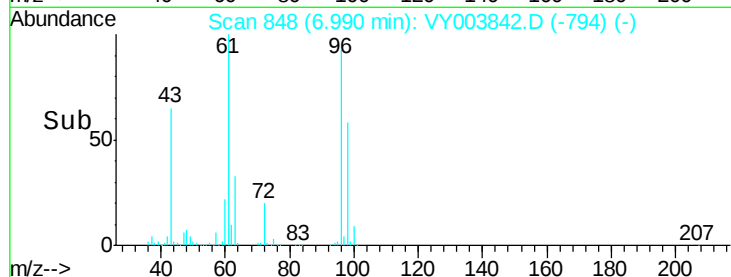
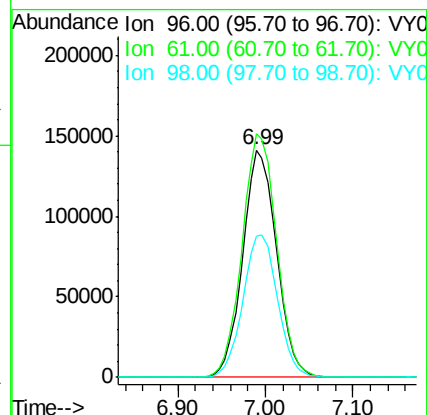
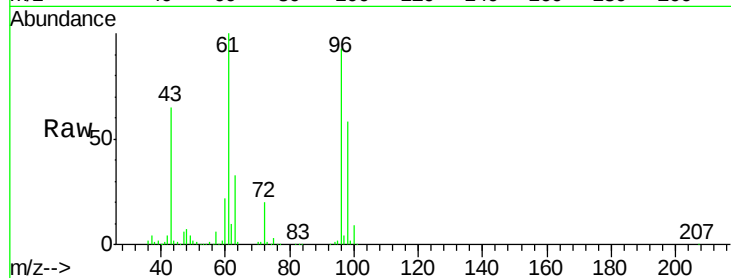


#22

cis-1,2-Dichloroethene
Concen: 93.147 ug/L
RT: 6.99 min Scan# 848
Delta R.T. -0.00 min
Lab File: VY003842.D
Acq: 23 Dec 2020 17:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTD10083

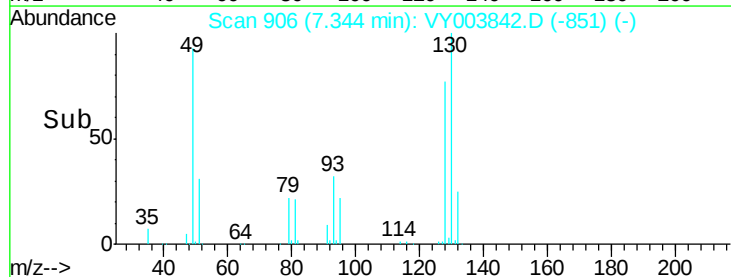
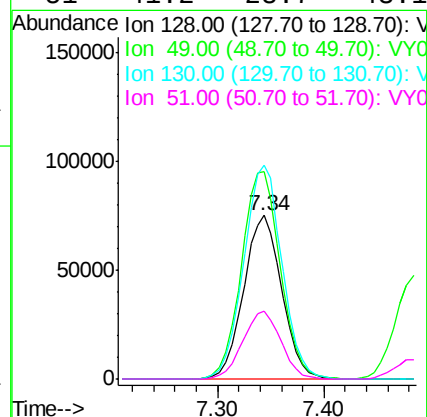
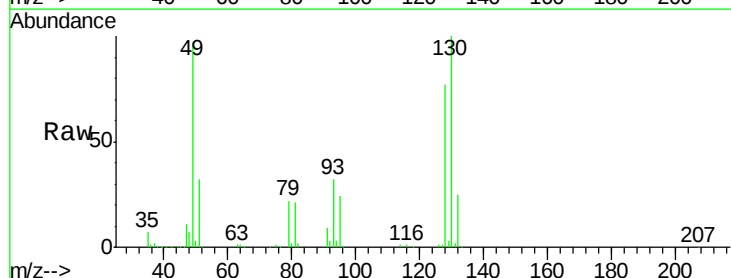
Tgt Ion: 96 Resp: 380324
Ion Ratio Lower Upper
96 100
61 107.1 72.2 134.2
98 62.1 42.9 79.7

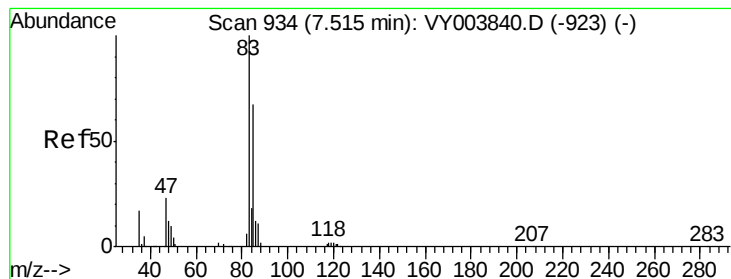


#23

Bromochloromethane
Concen: 97.576 ug/L
RT: 7.34 min Scan# 906
Delta R.T. 0.01 min
Lab File: VY003842.D
Acq: 23 Dec 2020 17:10

Tgt Ion: 128 Resp: 188482
Ion Ratio Lower Upper
128 100
49 126.9 79.9 148.5
130 130.5 87.3 162.1
51 41.2 28.7 43.1





#25

Chloroform

Concen: 92.302 ug/L

RT: 7.51 min Scan# 934

Delta R.T. -0.00 min

Lab File: VY003842.D

Acq: 23 Dec 2020 17:10

Instrument :

MSVOA_Y

ClientSampleId :

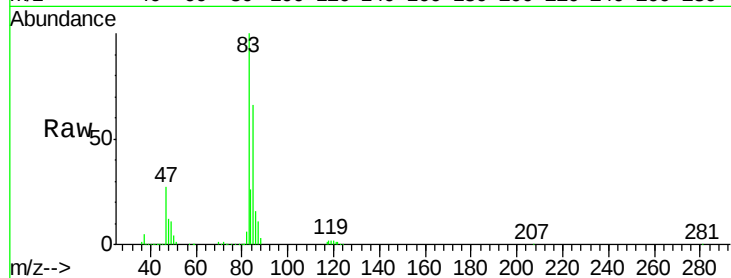
VSTD10083

Tgt Ion: 83 Resp: 581363

Ion Ratio Lower Upper

83 100

85 66.5 46.5 86.5



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

7.51

250000

200000

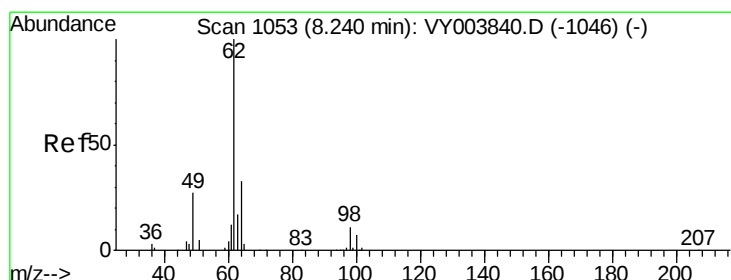
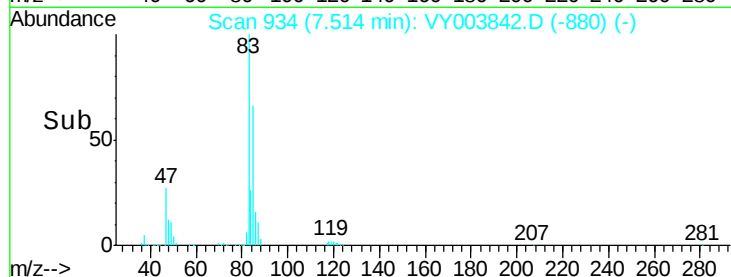
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 90.024 ug/L

RT: 8.24 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY003842.D

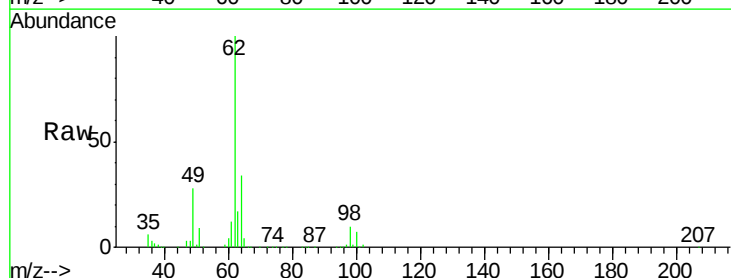
Acq: 23 Dec 2020 17:10

Tgt Ion: 62 Resp: 403138

Ion Ratio Lower Upper

62 100

98 10.3 8.6 12.8



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

8.24

200000

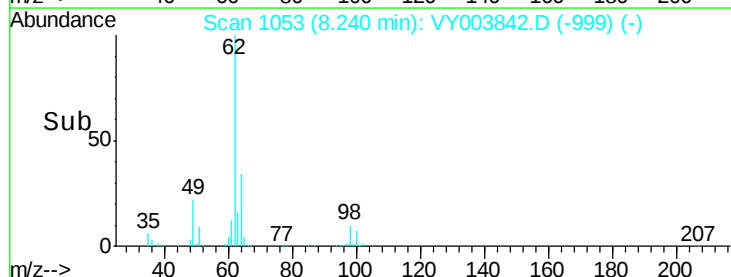
150000

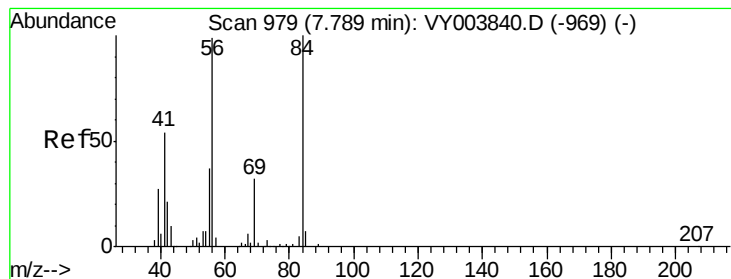
100000

50000

0

Time-->





#30

Cyclohexane

Concen: 81.707 ug/L

RT: 7.79 min Scan# 979

Delta R.T. -0.00 min

Lab File: VY003842.D

Acq: 23 Dec 2020 17:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTD10083

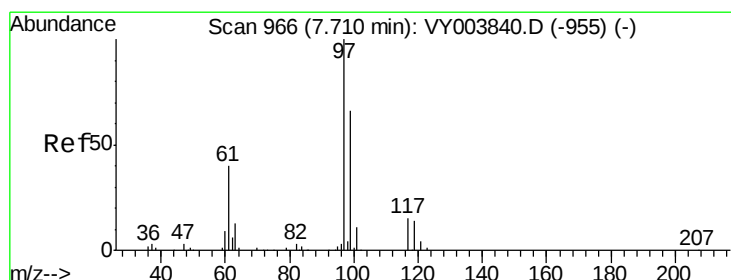
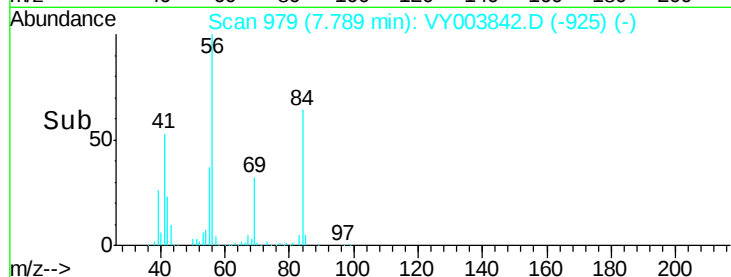
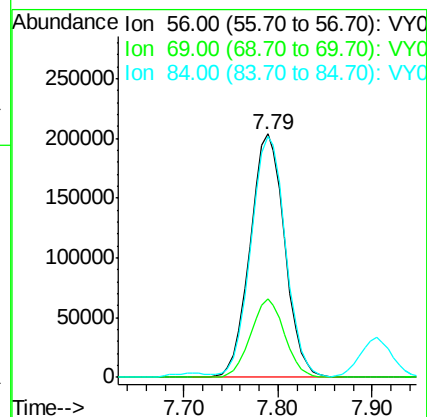
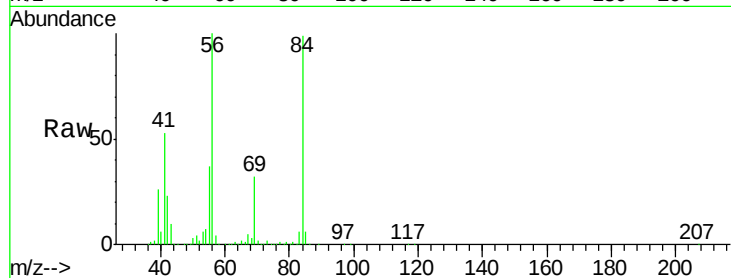
Tgt Ion: 56 Resp: 521502

Ion Ratio Lower Upper

56 100

69 31.7 26.5 39.7

84 99.5 83.3 124.9



#31

1,1,1-Trichloroethane

Concen: 91.395 ug/L

RT: 7.71 min Scan# 966

Delta R.T. -0.00 min

Lab File: VY003842.D

Acq: 23 Dec 2020 17:10

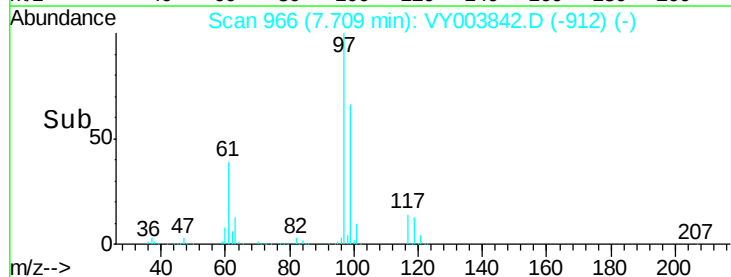
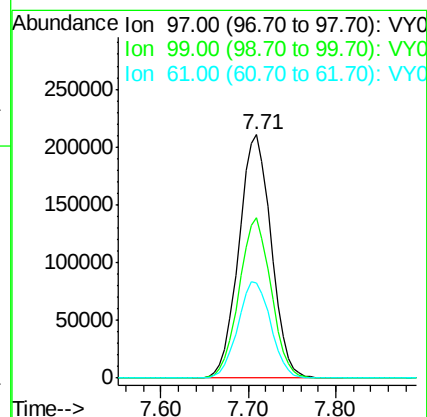
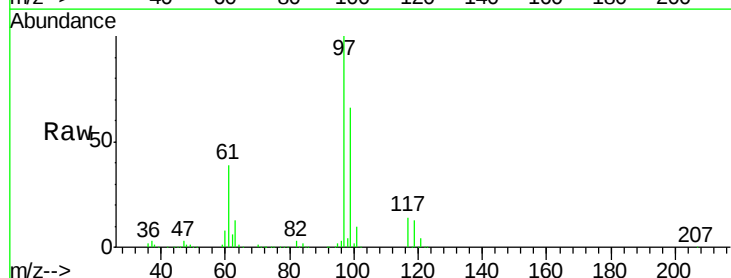
Tgt Ion: 97 Resp: 541757

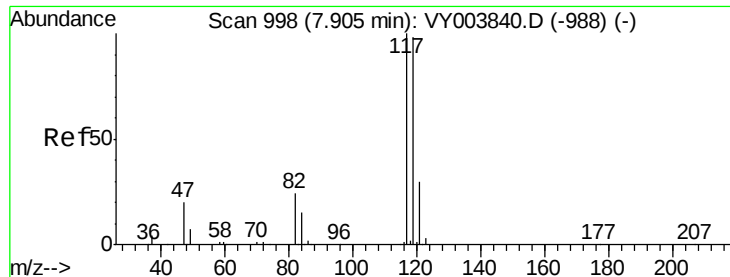
Ion Ratio Lower Upper

97 100

99 65.0 51.8 77.8

61 40.2 32.4 48.6





#32

Carbon tetrachloride

Concen: 94.784 ug/L

RT: 7.90 min Scan# 998

Delta R.T. -0.00 min

Lab File: VY003842.D

Acq: 23 Dec 2020 17:10

Instrument :

MSVOA_Y

ClientSampleId :

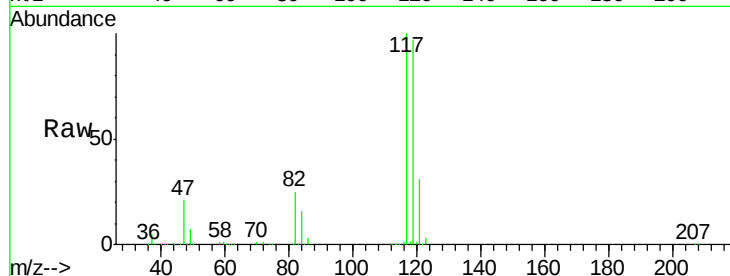
VSTD10083

Tgt Ion:117 Resp: 502960

Ion Ratio Lower Upper

117 100

119 95.9 77.5 116.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

7.90

200000

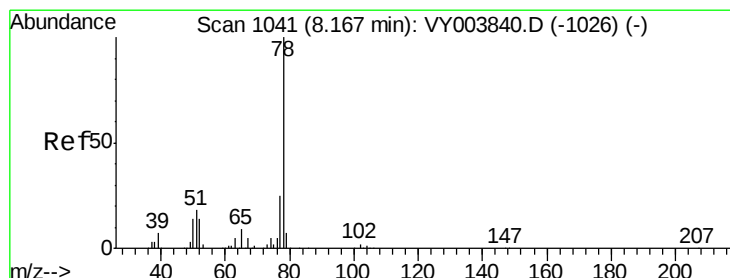
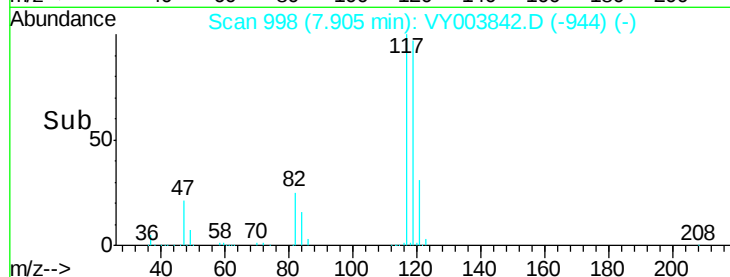
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 89.084 ug/L

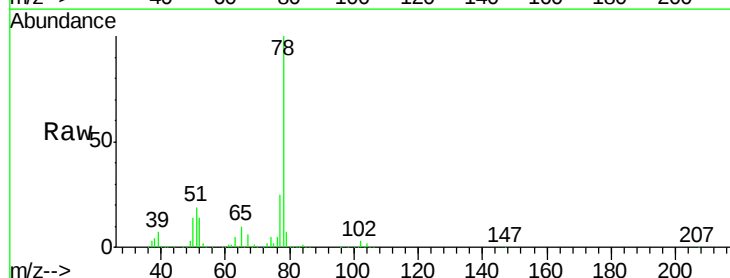
RT: 8.17 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VY003842.D

Acq: 23 Dec 2020 17:10

Tgt Ion: 78 Resp: 1372584



Abundance Ion 78.00 (77.70 to 78.70): VY0

8.17

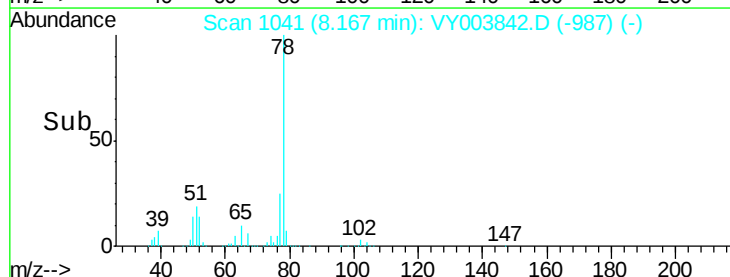
600000

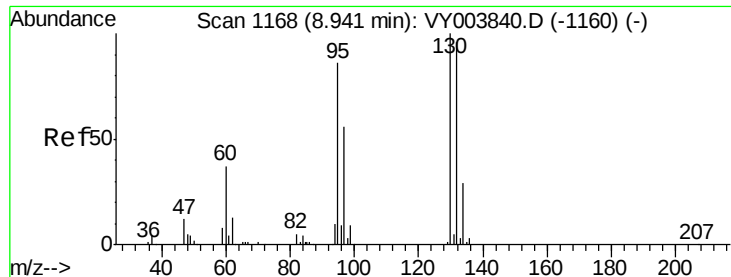
400000

200000

0

Time-->

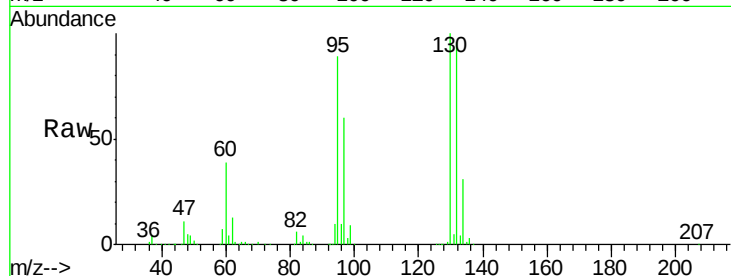




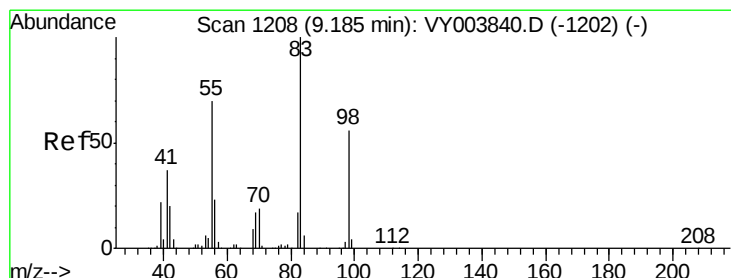
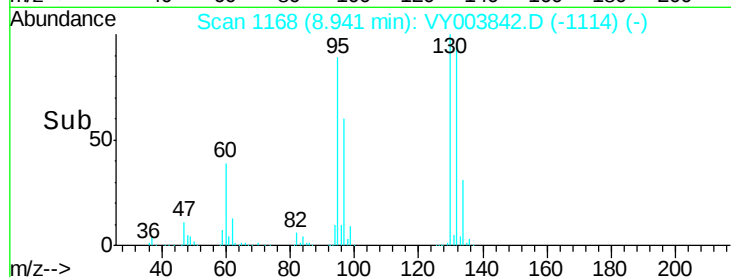
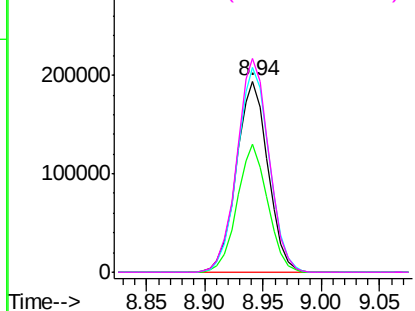
#35
 Trichloroethene
 Concen: 88.768 ug/L
 RT: 8.94 min Scan# 1168
 Delta R.T. -0.00 min
 Lab File: VY003842.D
 Acq: 23 Dec 2020 17:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD10083

Tgt Ion: 95 Resp: 365963
 Ion Ratio Lower Upper
 95 100
 97 64.9 44.9 83.3
 132 108.6 76.2 141.4
 130 113.2 79.7 148.1

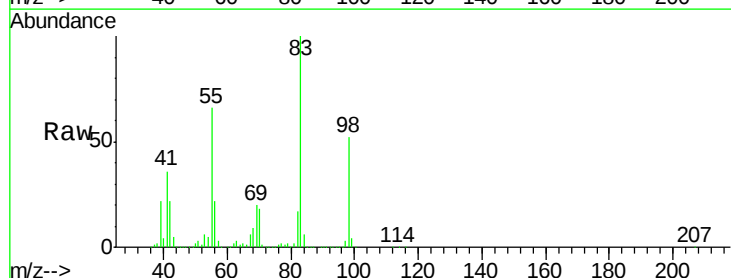


Abundance Ion 95.00 (94.70 to 95.70): VY0
 Ion 97.00 (96.70 to 97.70): VY0
 Ion 132.00 (131.70 to 132.70): VY0
 Ion 130.00 (129.70 to 130.70): VY0

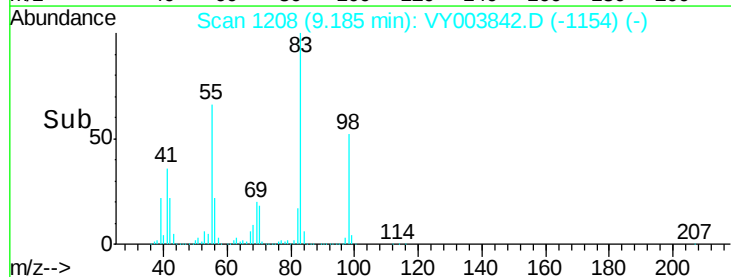
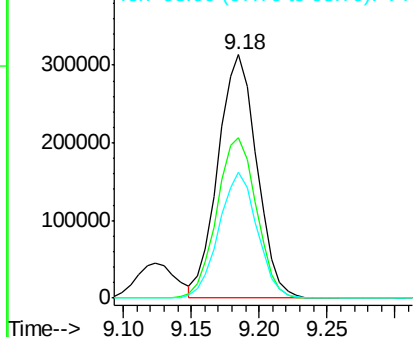


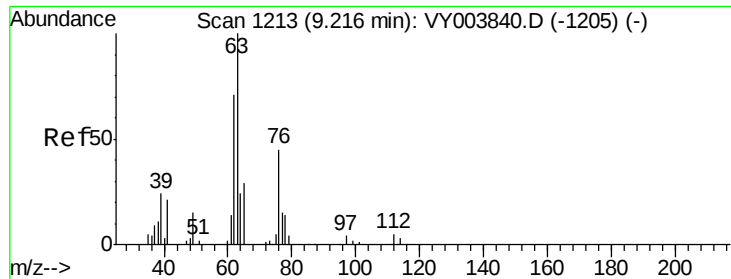
#36
 Methylcyclohexane
 Concen: 88.924 ug/L
 RT: 9.18 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: VY003842.D
 Acq: 23 Dec 2020 17:10

Tgt Ion: 83 Resp: 620662
 Ion Ratio Lower Upper
 83 100
 55 67.4 53.5 80.3
 98 51.2 42.8 64.2



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

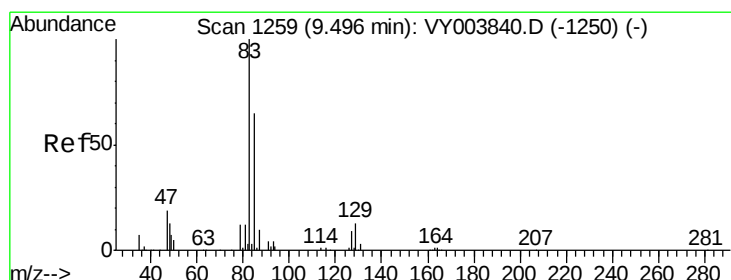
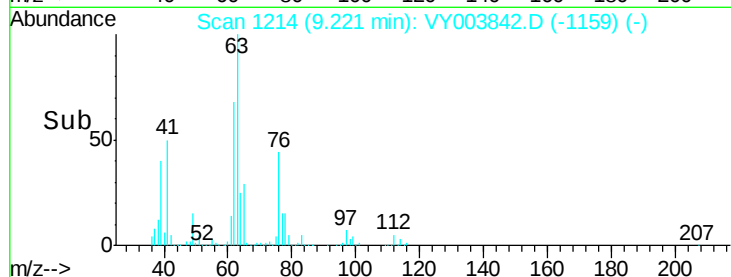
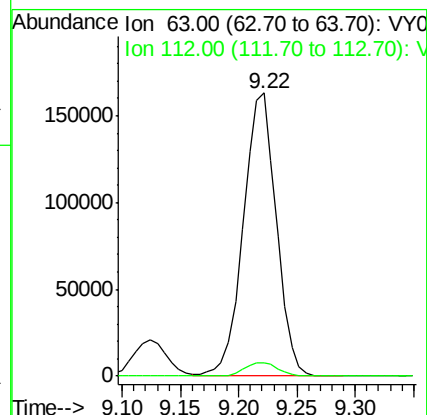
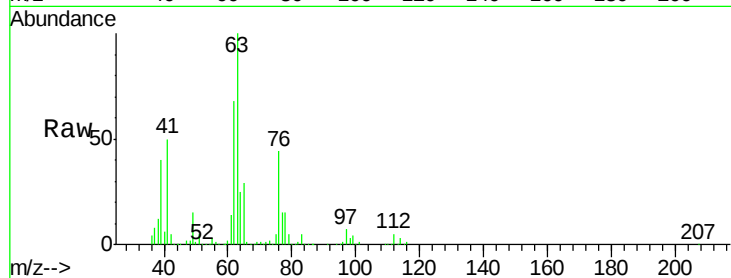




#40
 1,2-Dichloropropane
 Concen: 82.517 ug/L
 RT: 9.22 min Scan# 1214
 Delta R.T. 0.01 min
 Lab File: VY003842.D
 Acq: 23 Dec 2020 17:10

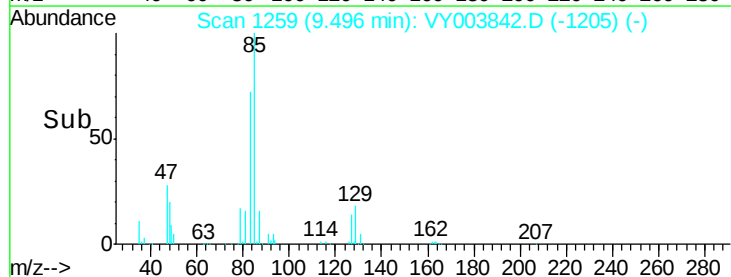
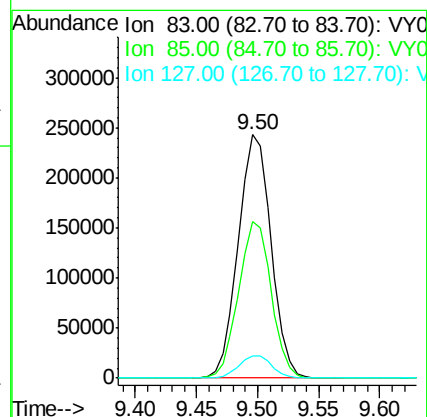
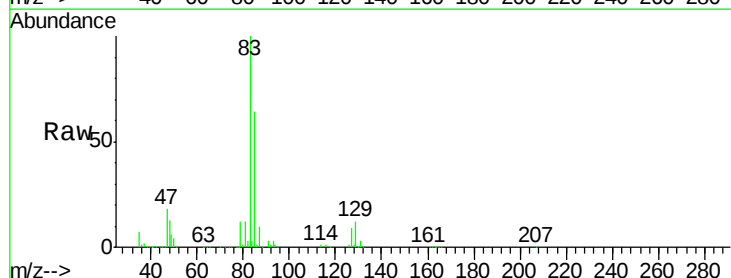
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD10083

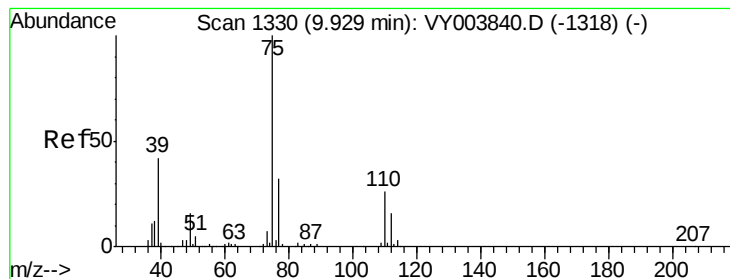
Tgt Ion: 63 Resp: 322833
 Ion Ratio Lower Upper
 63 100
 112 4.9 4.2 6.4



#41
 Bromodichloromethane
 Concen: 90.936 ug/L
 RT: 9.50 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VY003842.D
 Acq: 23 Dec 2020 17:10

Tgt Ion: 83 Resp: 452639
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.8 85.0
 127 9.1 7.4 11.2



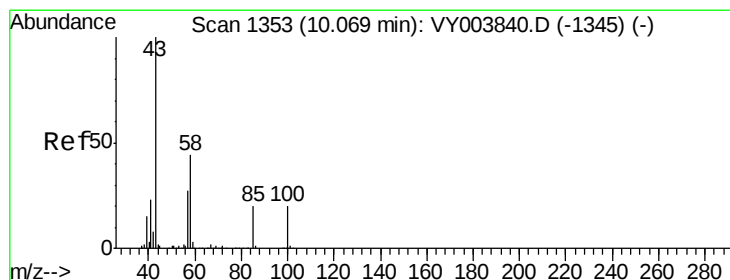
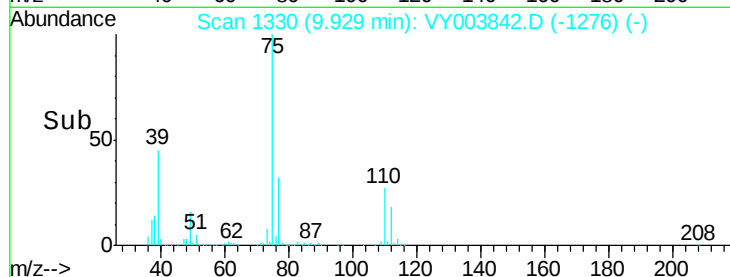
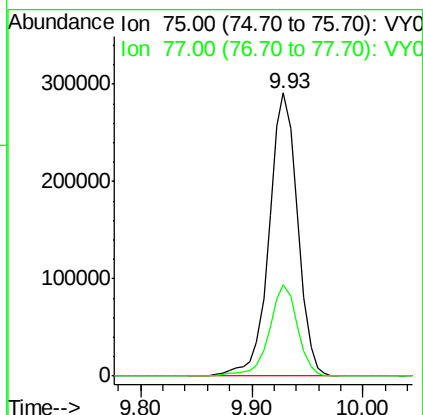
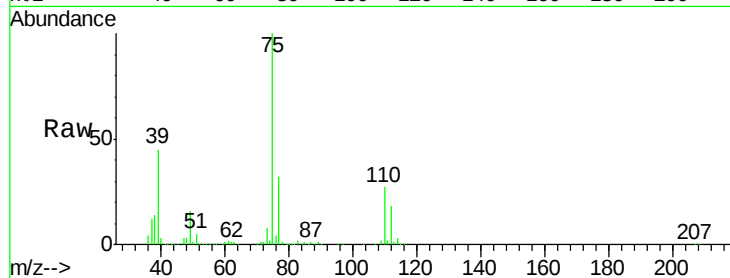


#42

cis-1,3-Dichloropropene
 Concen: 82.414 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VY003842.D
 Acq: 23 Dec 2020 17:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD10083

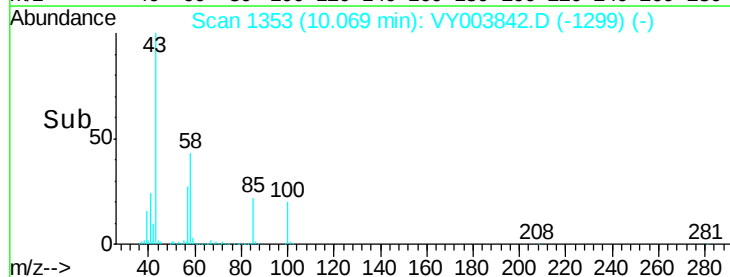
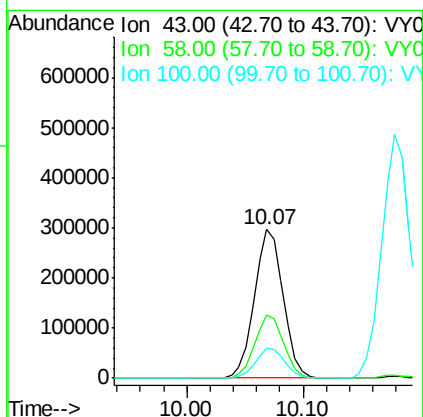
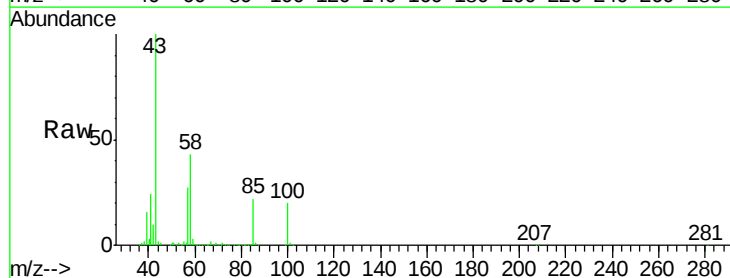
Tgt Ion: 75 Resp: 517959
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.1 41.1

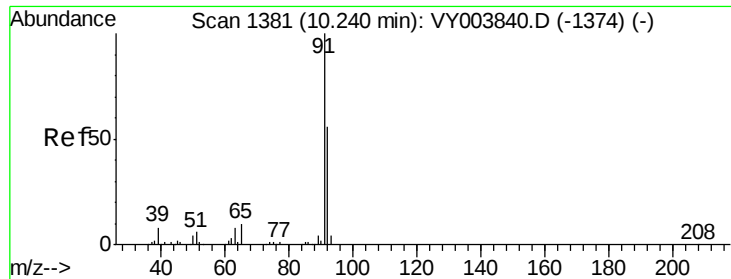


#43

4-Methyl-2-pentanone
 Concen: 139.150 ug/L
 RT: 10.07 min Scan# 1353
 Delta R.T. -0.00 min
 Lab File: VY003842.D
 Acq: 23 Dec 2020 17:10

Tgt Ion: 43 Resp: 511445
 Ion Ratio Lower Upper
 43 100
 58 42.5 33.6 50.4
 100 20.3 15.6 23.4





#44

Toluene

Concen: 93.929 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VY003842.D

Acq: 23 Dec 2020 17:10

Instrument :

MSVOA_Y

ClientSampleId :

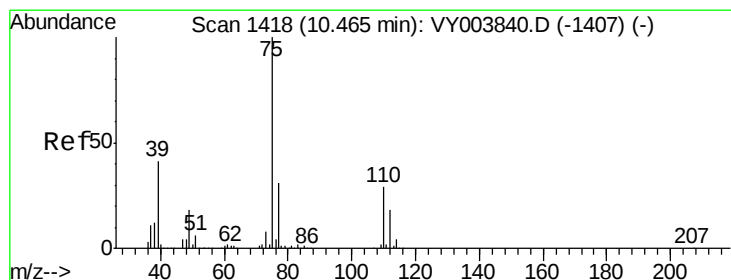
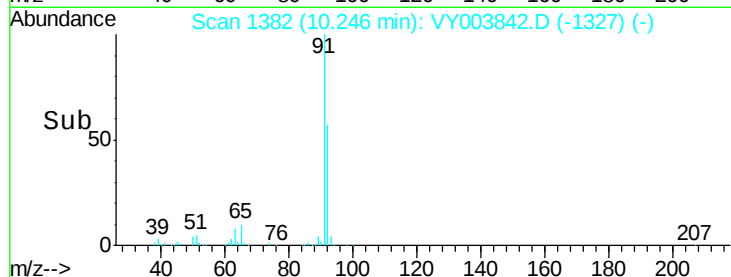
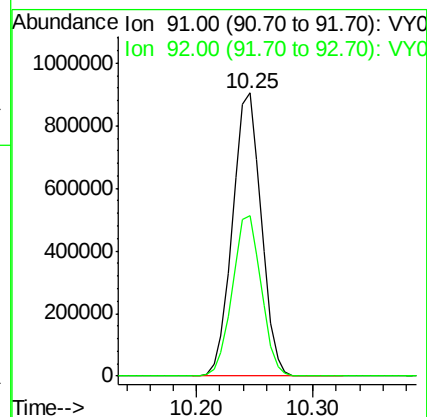
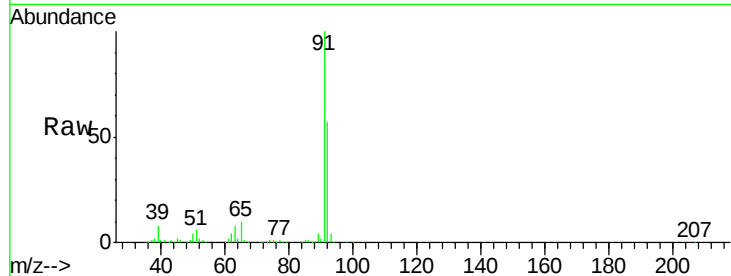
VSTD10083

Tgt Ion: 91 Resp: 1551424

Ion Ratio Lower Upper

91 100

92 56.8 38.9 72.2



#45

trans-1,3-Dichloropropene

Concen: 91.913 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003842.D

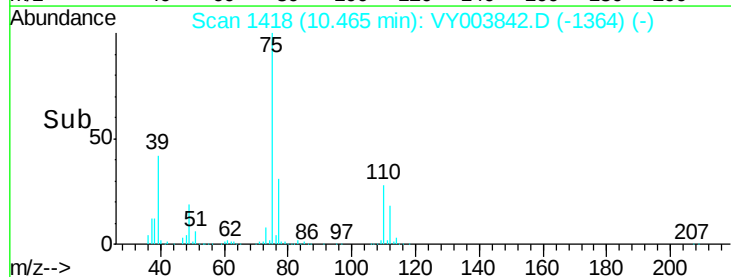
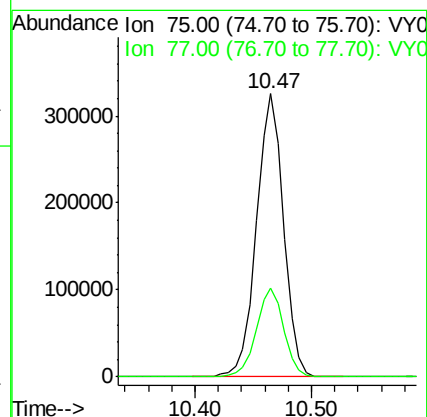
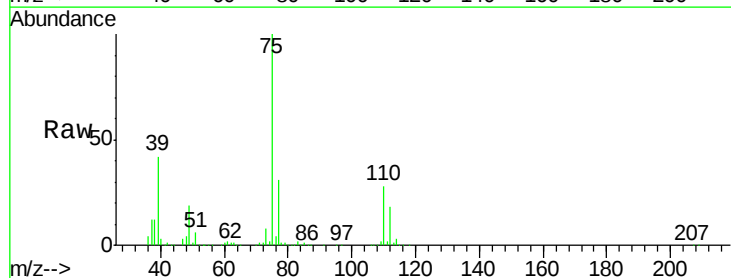
Acq: 23 Dec 2020 17:10

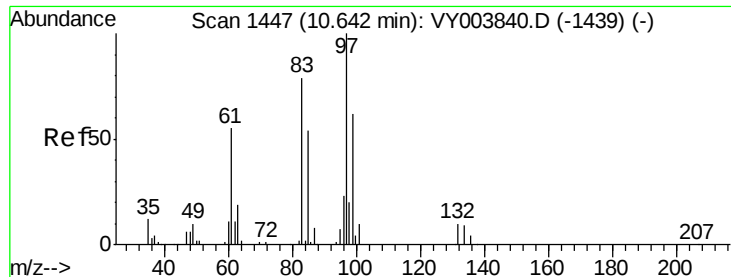
Tgt Ion: 75 Resp: 527860

Ion Ratio Lower Upper

75 100

77 31.3 21.9 40.7

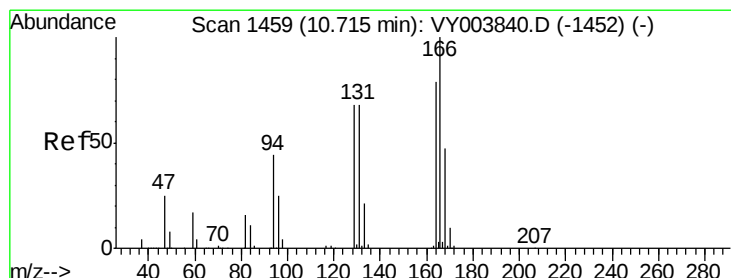
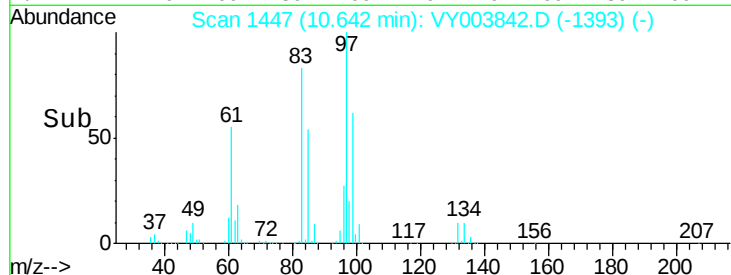
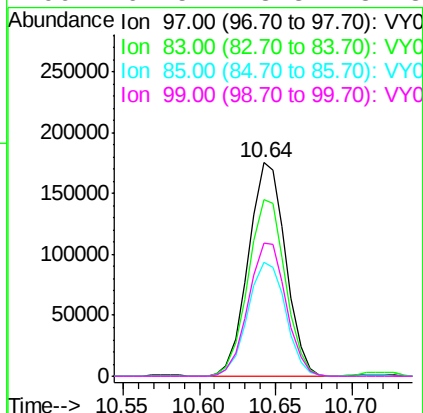
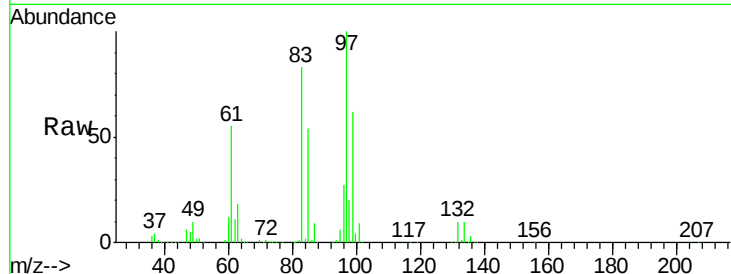




#46
 1,1,2-Trichloroethane
 Concen: 92.228 ug/L
 RT: 10.64 min Scan# 1447
 Delta R.T. -0.00 min
 Lab File: VY003842.D
 Acq: 23 Dec 2020 17:10

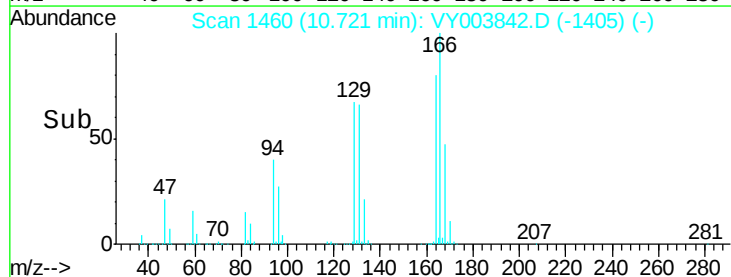
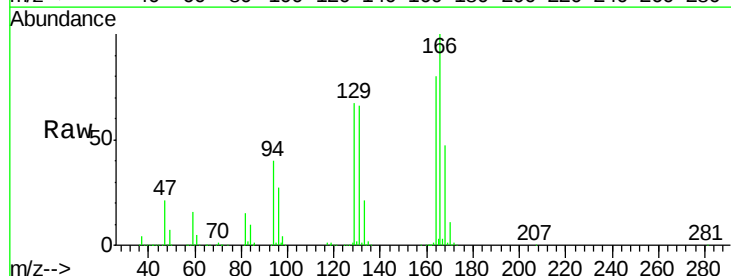
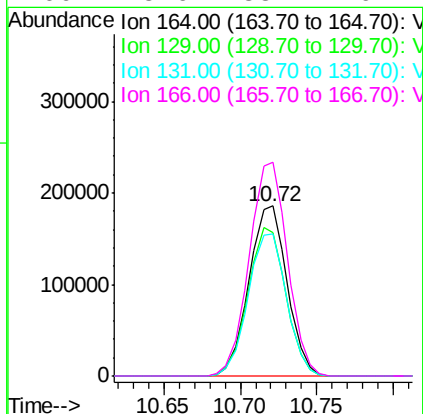
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD10083

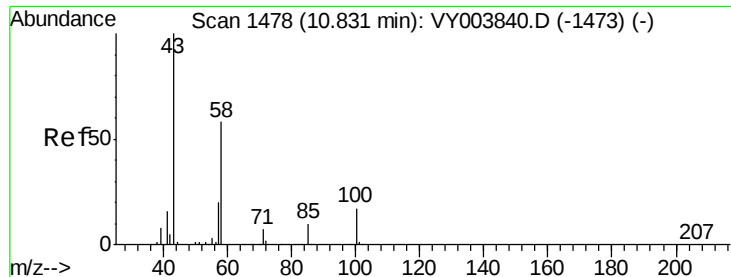
Tgt Ion: 97 Resp: 298262
 Ion Ratio Lower Upper
 97 100
 83 82.6 55.5 103.1
 85 53.6 37.5 69.7
 99 62.5 43.8 81.3



#47
 Tetrachloroethene
 Concen: 95.730 ug/L
 RT: 10.72 min Scan# 1460
 Delta R.T. 0.01 min
 Lab File: VY003842.D
 Acq: 23 Dec 2020 17:10

Tgt Ion: 164 Resp: 321947
 Ion Ratio Lower Upper
 164 100
 129 84.6 60.3 111.9
 131 83.3 59.7 110.9
 166 125.6 88.4 164.2





#49

2-Hexanone

Concen: 165.412 ug/L

RT: 10.83 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VY003842.D

Acq: 23 Dec 2020 17:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTD10083

Tgt Ion: 43 Resp: 416462

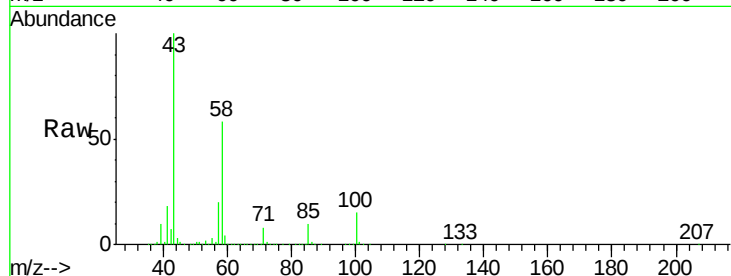
Ion Ratio Lower Upper

43 100

58 58.3 47.1 70.7

57 19.7 15.5 23.3

100 15.2 11.8 17.8

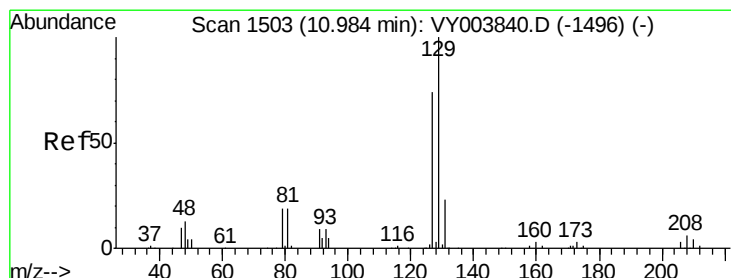
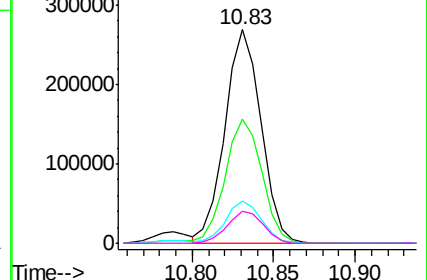
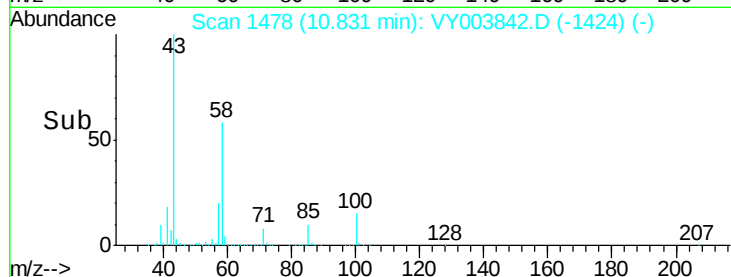


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#50

Dibromochloromethane

Concen: 98.532 ug/L

RT: 10.98 min Scan# 1503

Delta R.T. -0.00 min

Lab File: VY003842.D

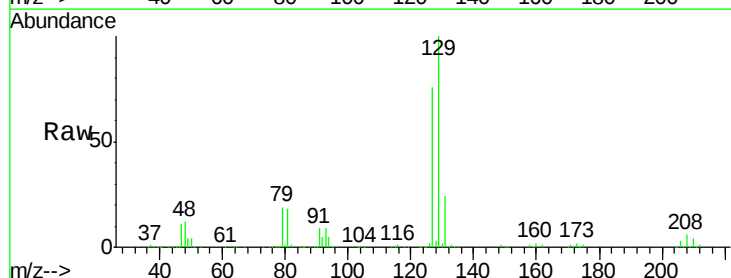
Acq: 23 Dec 2020 17:10

Tgt Ion: 129 Resp: 376901

Ion Ratio Lower Upper

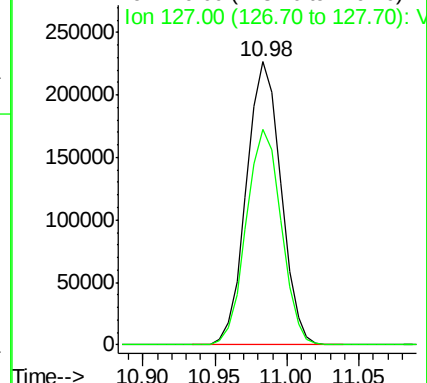
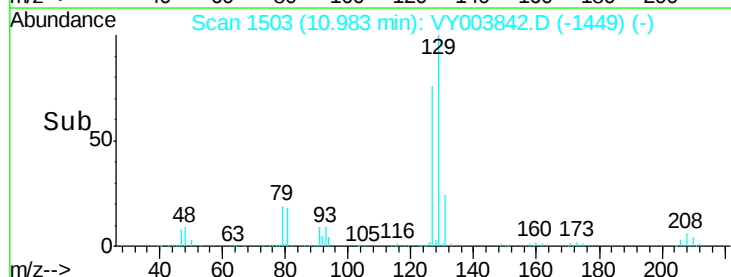
129 100

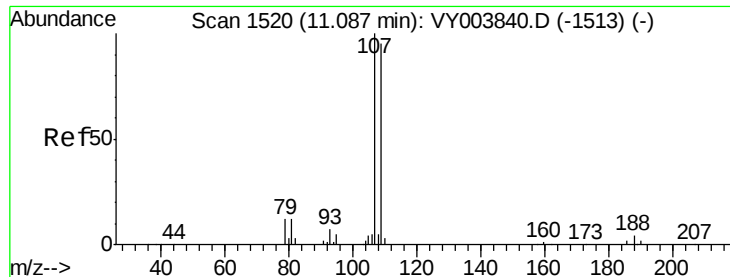
127 76.0 52.0 96.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

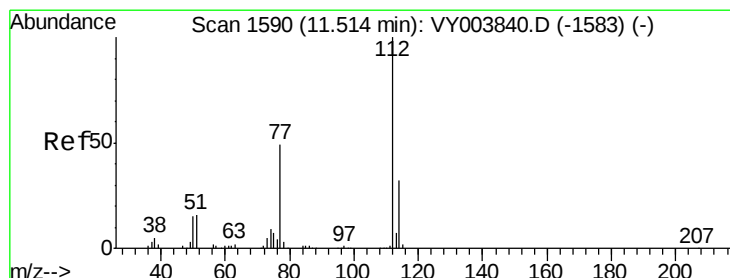
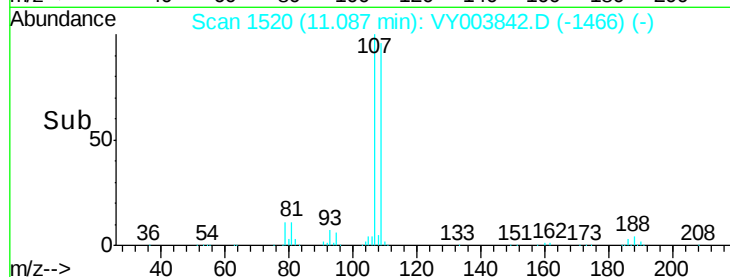
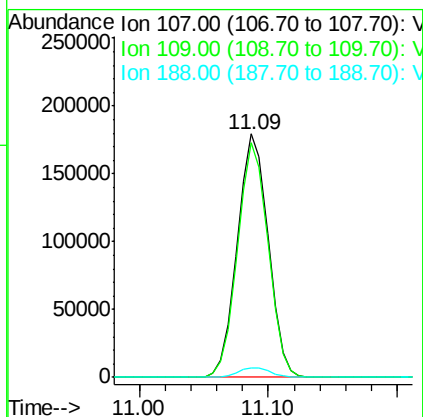
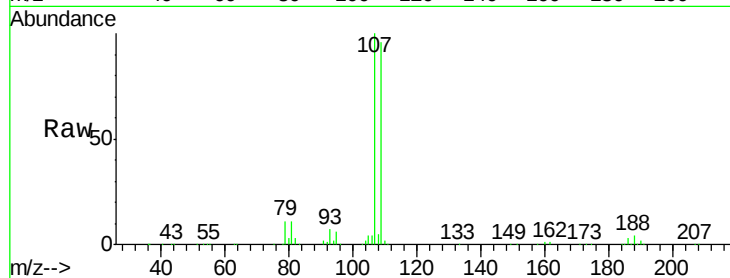




#51
 1,2-Dibromoethane
 Concen: 93.544 ug/L
 RT: 11.09 min Scan# 1520
 Delta R.T. -0.00 min
 Lab File: VY003842.D
 Acq: 23 Dec 2020 17:10

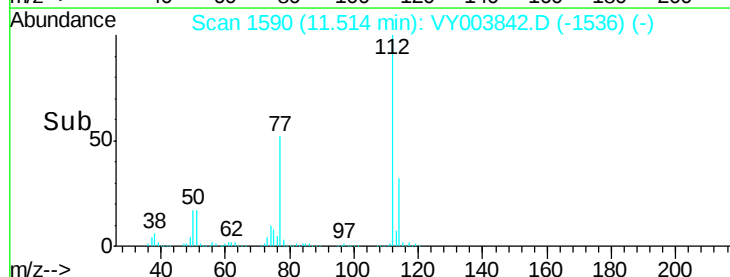
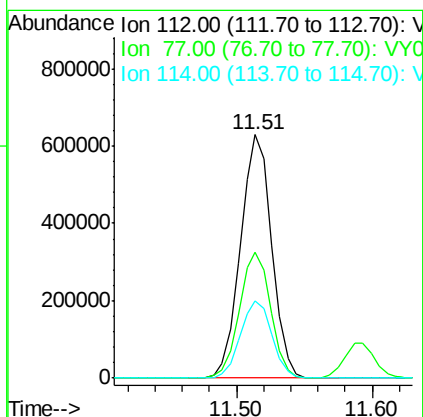
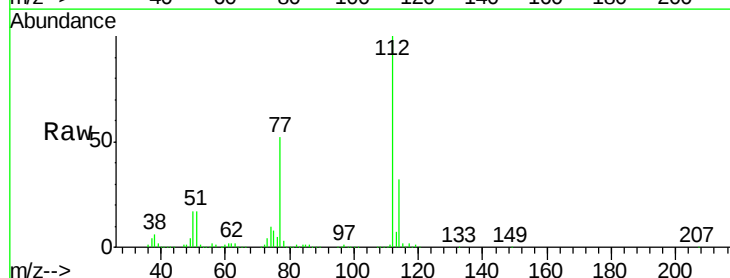
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD10083

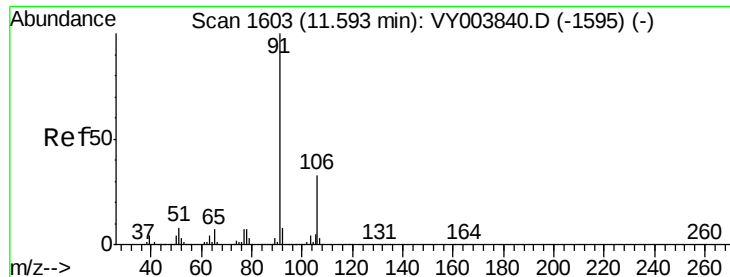
Tgt Ion:107 Resp: 297838
 Ion Ratio Lower Upper
 107 100
 109 96.4 66.4 123.2
 188 4.0 3.4 5.2



#52
 Chlorobenzene
 Concen: 94.142 ug/L
 RT: 11.51 min Scan# 1590
 Delta R.T. -0.00 min
 Lab File: VY003842.D
 Acq: 23 Dec 2020 17:10

Tgt Ion:112 Resp: 1002696
 Ion Ratio Lower Upper
 112 100
 77 51.5 39.7 59.5
 114 31.8 22.5 41.7





#53

Ethylbenzene

Concen: 93.271 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VY003842.D

Acq: 23 Dec 2020 17:10

Instrument :

MSVOA_Y

ClientSampleId :

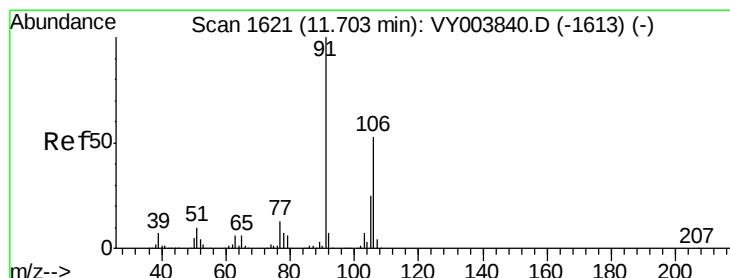
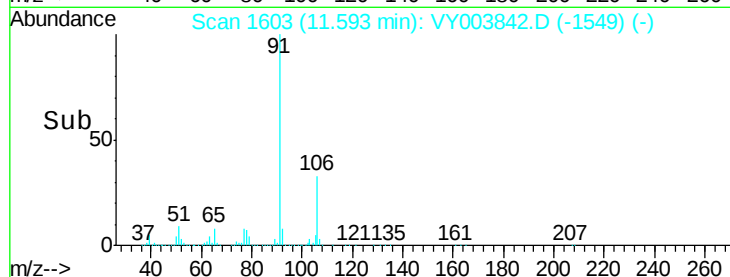
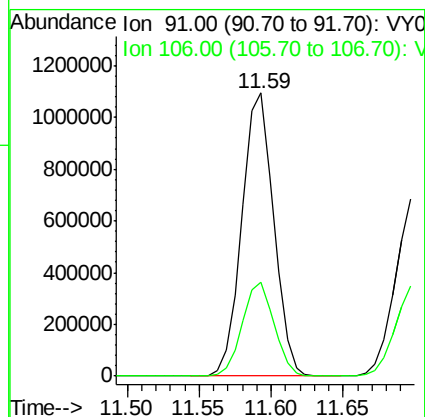
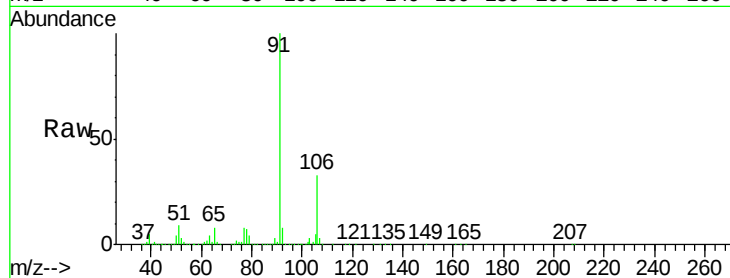
VSTD10083

Tgt Ion: 91 Resp: 1679487

Ion Ratio Lower Upper

91 100

106 33.3 23.2 43.0



#54

m,p-Xylene

Concen: 93.212 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VY003842.D

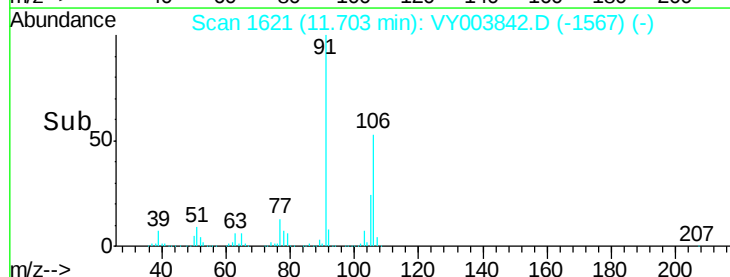
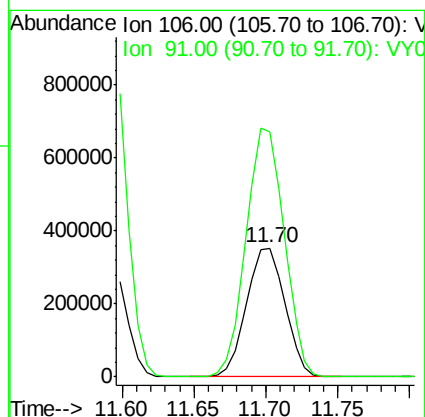
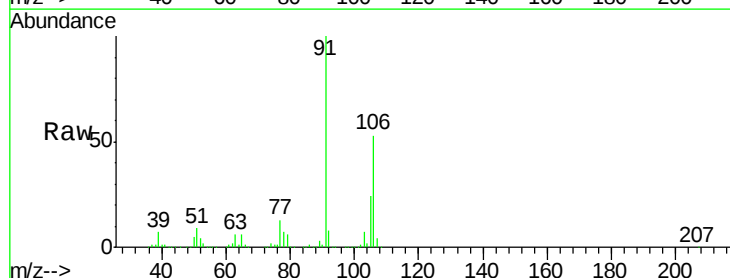
Acq: 23 Dec 2020 17:10

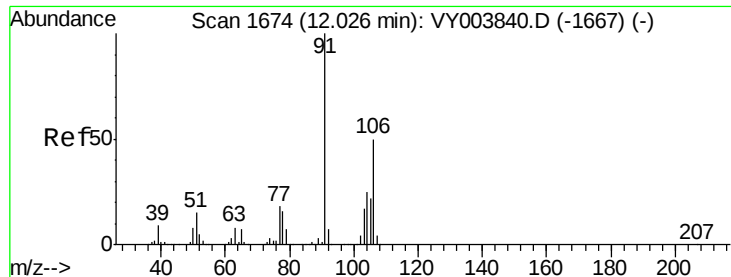
Tgt Ion: 106 Resp: 652353

Ion Ratio Lower Upper

106 100

91 190.2 131.3 243.9





#55

o-xylene

Concen: 98.430 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VY003842.D

Acq: 23 Dec 2020 17:10

Instrument :

MSVOA_Y

ClientSampleId :

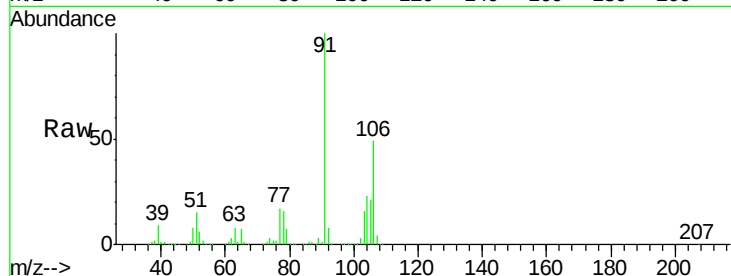
VSTD10083

Tgt Ion:106 Resp: 646077

Ion Ratio Lower Upper

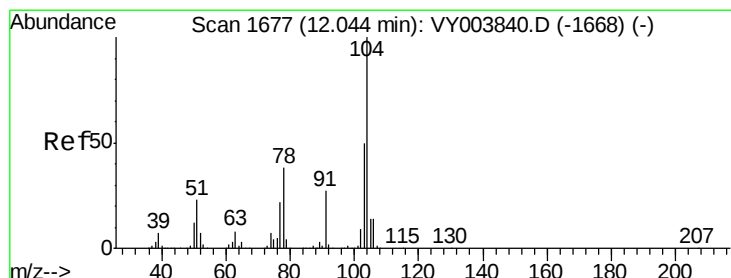
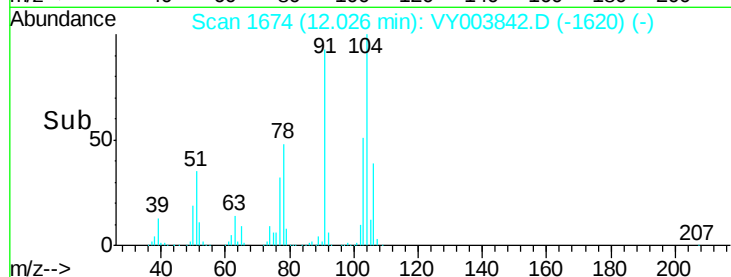
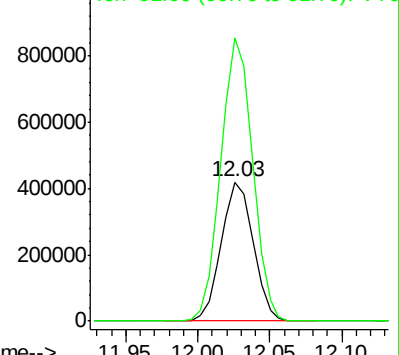
106 100

91 203.6 140.2 260.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 99.527 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VY003842.D

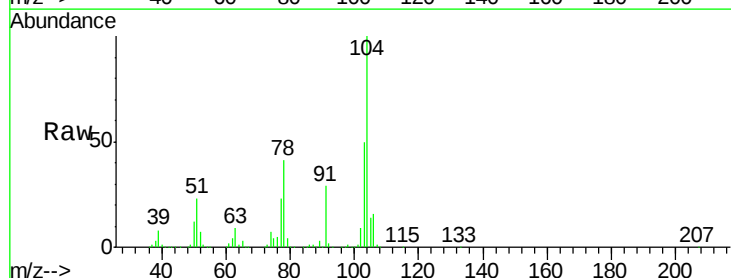
Acq: 23 Dec 2020 17:10

Tgt Ion:104 Resp: 1118923

Ion Ratio Lower Upper

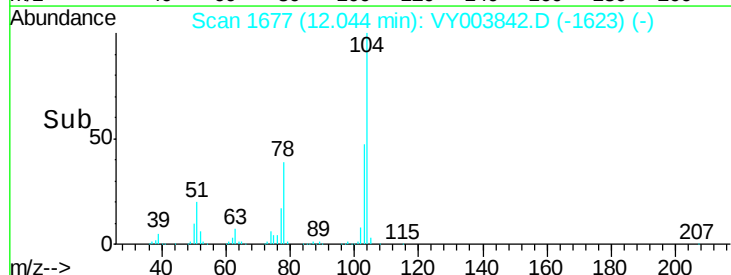
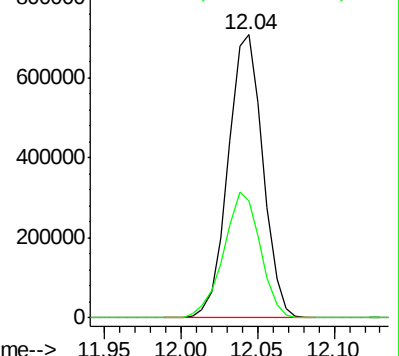
104 100

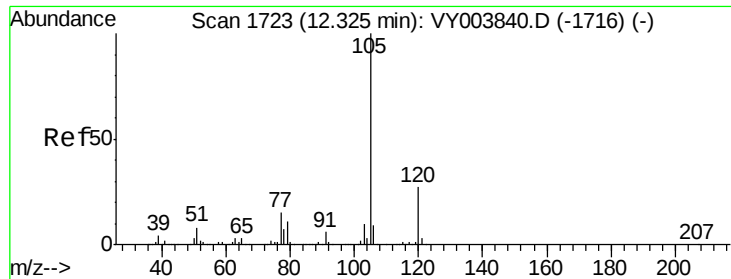
78 41.1 26.7 49.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 96.629 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. -0.00 min

Lab File: VY003842.D

Acq: 23 Dec 2020 17:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTD10083

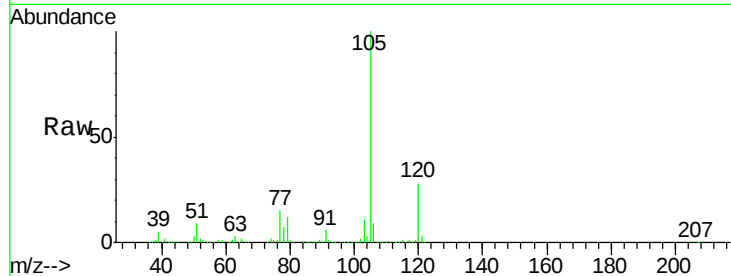
Tgt Ion:105 Resp: 1693176

Ion Ratio Lower Upper

105 100

120 28.3 22.6 34.0

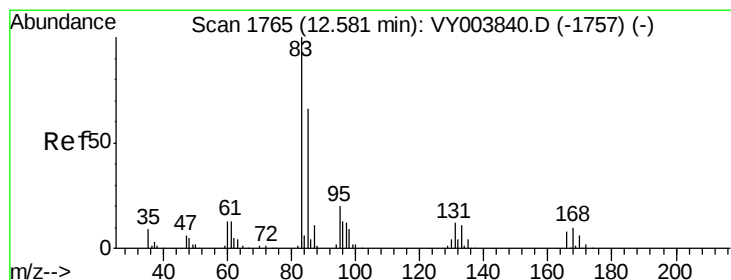
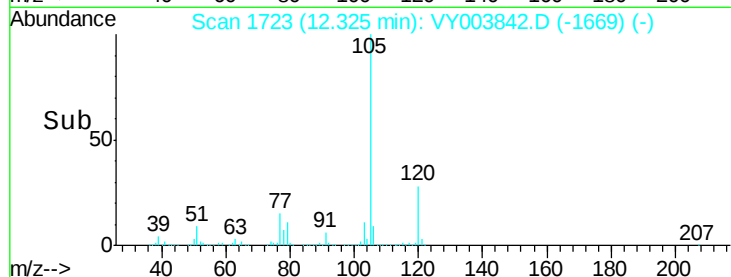
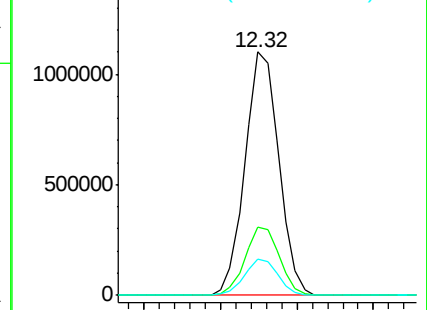
77 14.8 11.7 17.5



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: 92.316 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. -0.00 min

Lab File: VY003842.D

Acq: 23 Dec 2020 17:10

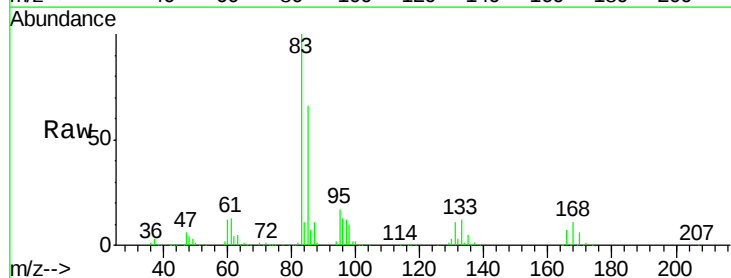
Tgt Ion: 83 Resp: 338496

Ion Ratio Lower Upper

83 100

85 66.4 46.1 85.5

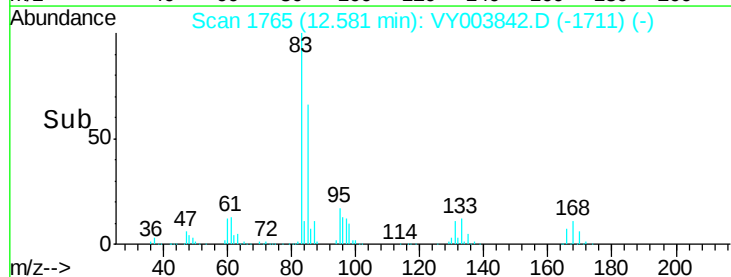
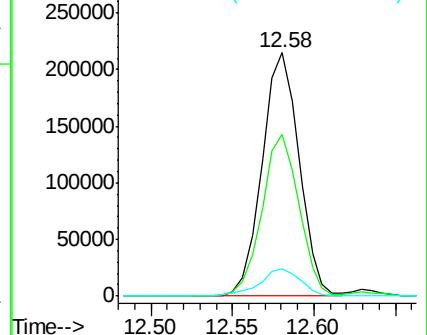
131 11.1 9.4 14.0

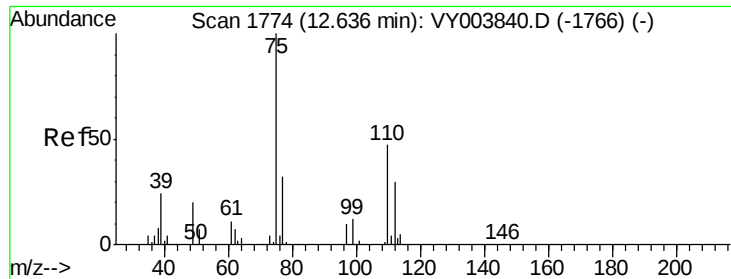


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 88.921 ug/L

RT: 12.63 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VY003842.D

Acq: 23 Dec 2020 17:10

Instrument :

MSVOA_Y

ClientSampleId :

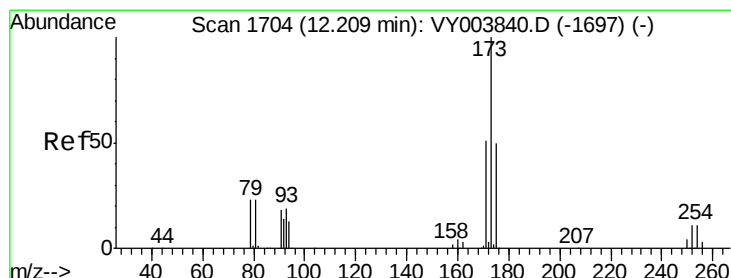
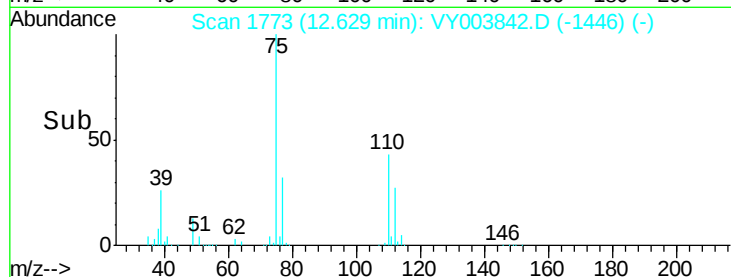
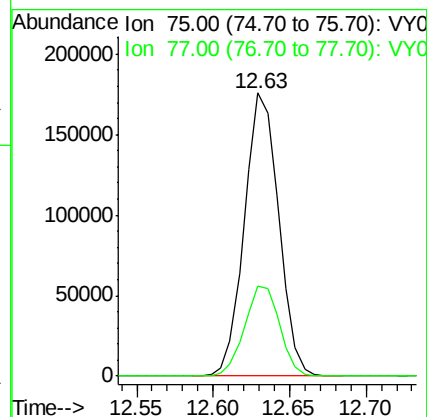
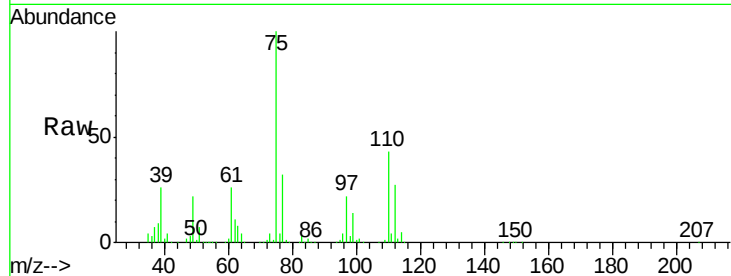
VSTD10083

Tgt Ion: 75 Resp: 274279

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.8



#62

Bromoform

Concen: 117.033 ug/L

RT: 12.20 min Scan# 1703

Delta R.T. -0.01 min

Lab File: VY003842.D

Acq: 23 Dec 2020 17:10

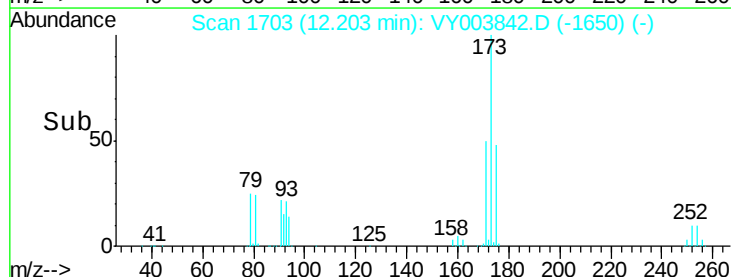
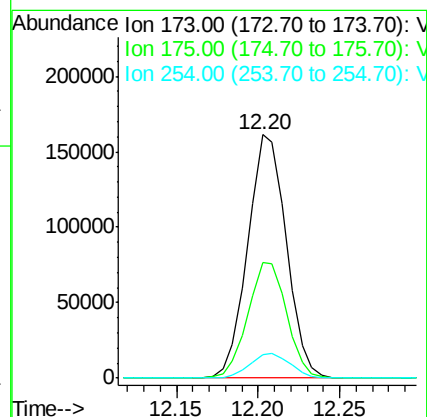
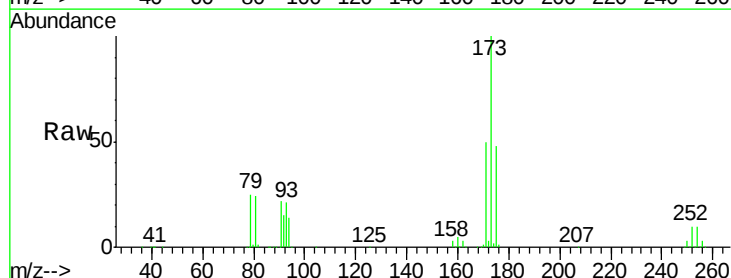
Tgt Ion: 173 Resp: 265559

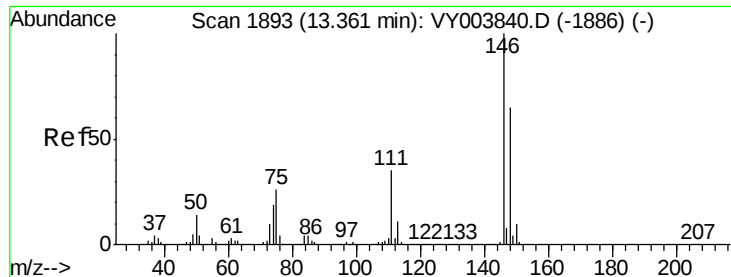
Ion Ratio Lower Upper

173 100

175 48.0 39.4 59.0

254 10.5 8.1 12.1

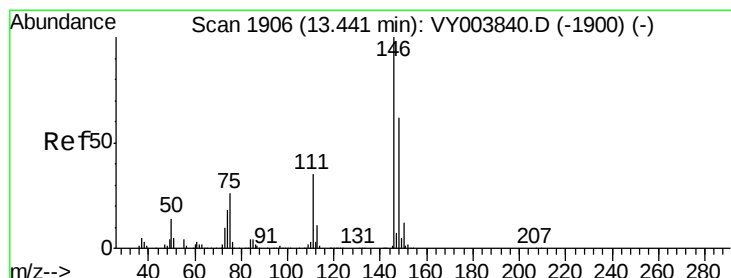
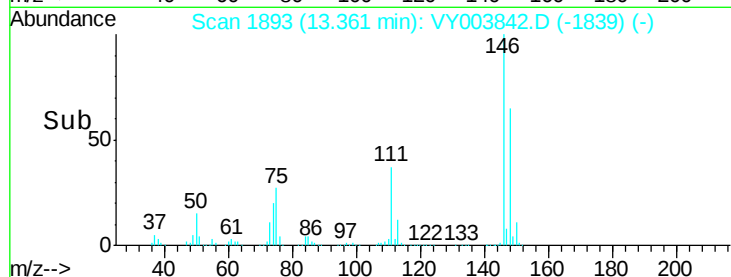
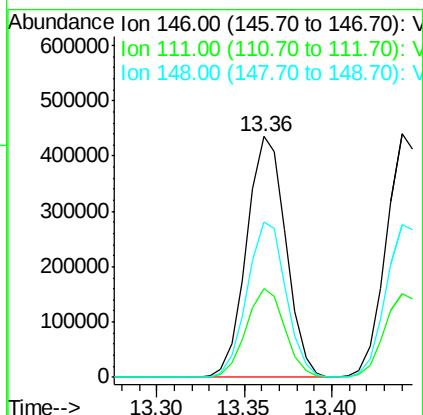
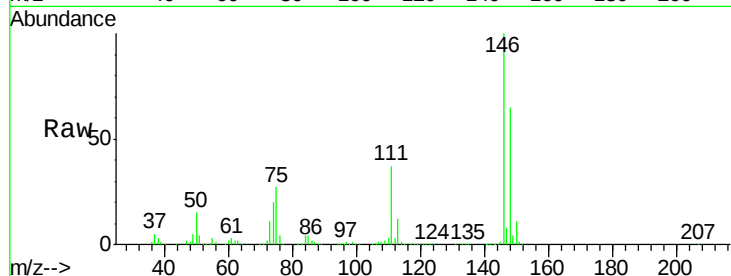




#63
 1,3-Dichlorobenzene
 Concen: 95.433 ug/L
 RT: 13.36 min Scan# 1893
 Delta R.T. -0.00 min
 Lab File: VY003842.D
 Acq: 23 Dec 2020 17:10

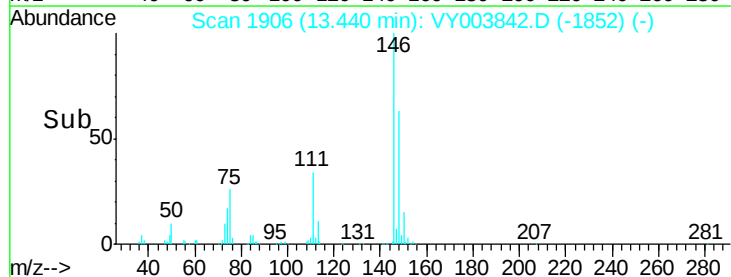
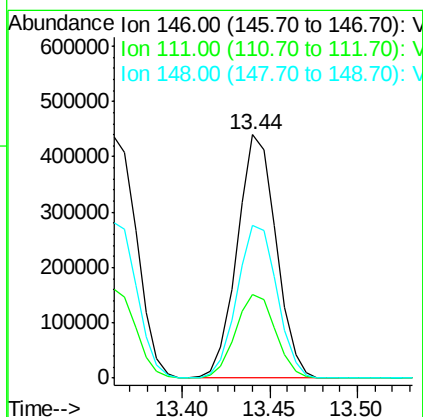
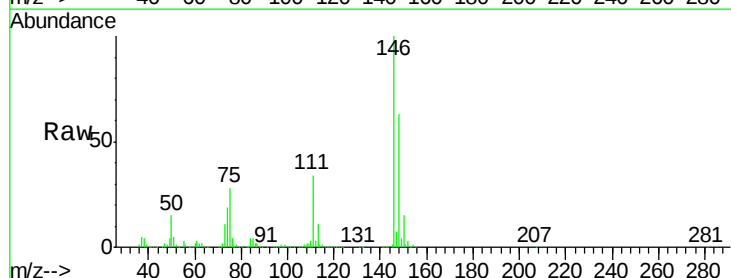
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD10083

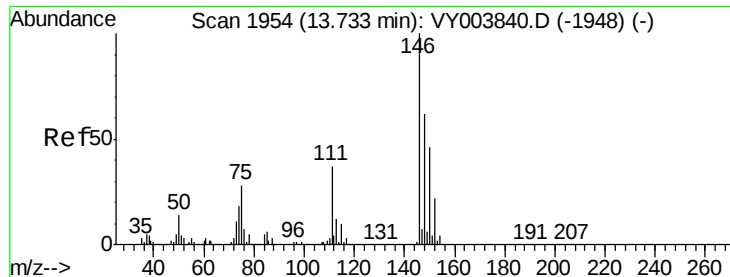
Tgt Ion:146 Resp: 682909
 Ion Ratio Lower Upper
 146 100
 111 36.9 24.4 45.2
 148 64.6 45.4 84.4



#64
 1,4-Dichlorobenzene
 Concen: 92.998 ug/L
 RT: 13.44 min Scan# 1906
 Delta R.T. -0.00 min
 Lab File: VY003842.D
 Acq: 23 Dec 2020 17:10

Tgt Ion:146 Resp: 681799
 Ion Ratio Lower Upper
 146 100
 111 34.1 24.6 45.6
 148 62.7 43.3 80.3

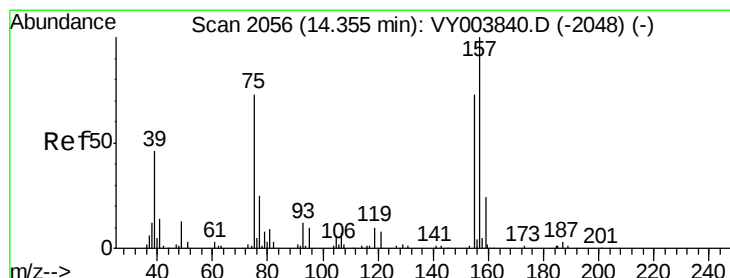
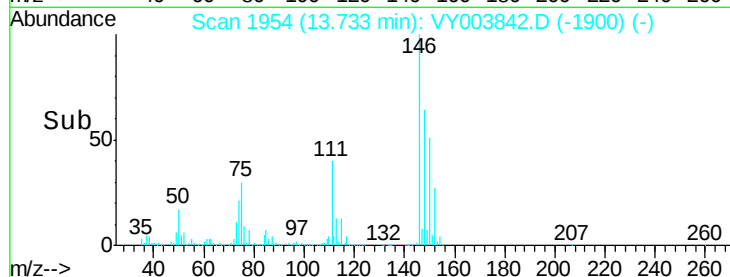
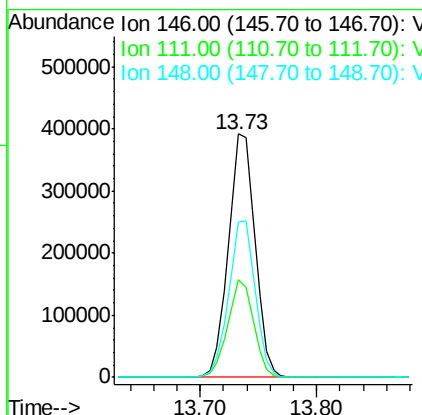
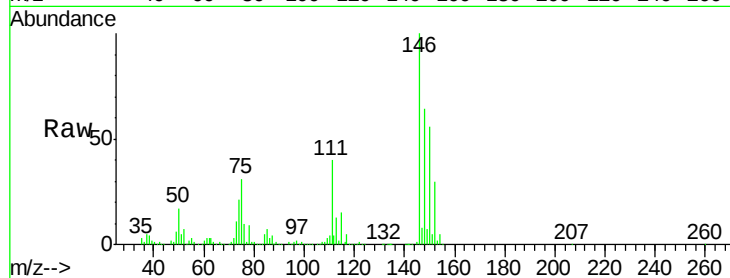




#65
 1,2-Dichlorobenzene
 Concen: 94.072 ug/L
 RT: 13.73 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: VY003842.D
 Acq: 23 Dec 2020 17:10

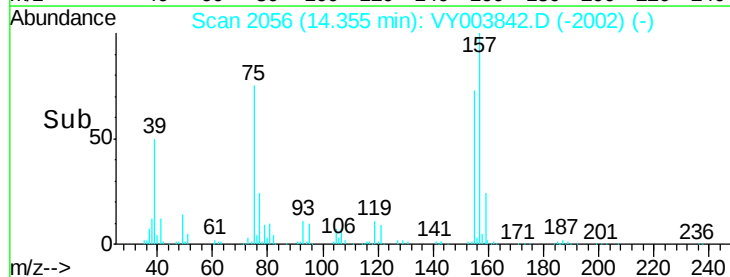
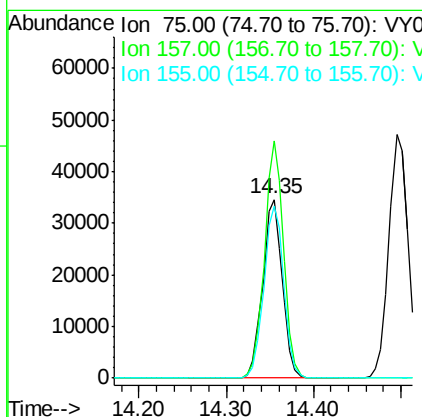
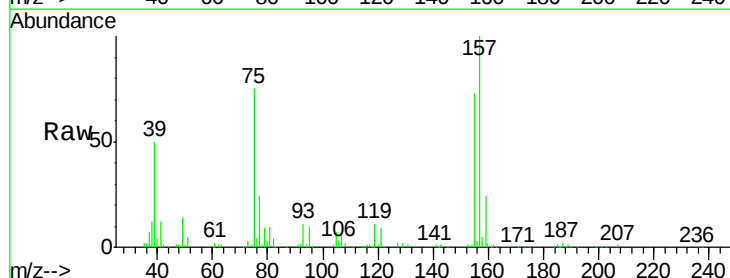
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD10083

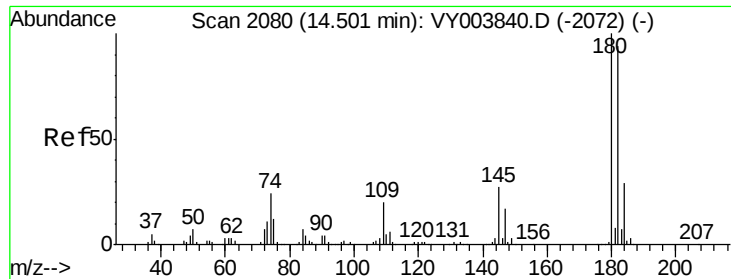
Tgt Ion: 146 Resp: 626578
 Ion Ratio Lower Upper
 146 100
 111 39.9 29.8 44.8
 148 63.8 49.8 74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 85.444 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. -0.00 min
 Lab File: VY003842.D
 Acq: 23 Dec 2020 17:10

Tgt Ion: 75 Resp: 54177
 Ion Ratio Lower Upper
 75 100
 157 132.8 109.7 164.5
 155 96.4 80.0 120.0

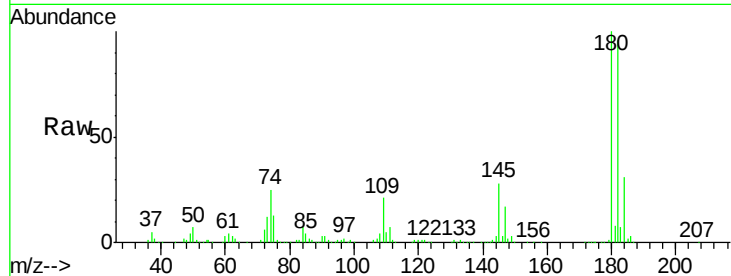




#67
 1,3,5-Trichlorobenzene
 Concen: 98.587 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VY003842.D
 Acq: 23 Dec 2020 17:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD10083

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.0	114.0
184	30.9	24.1	36.1
145	28.4	22.0	33.0

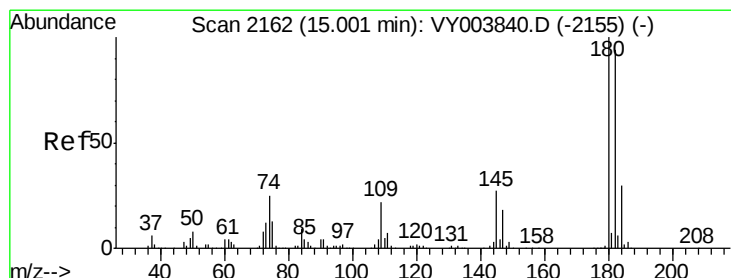
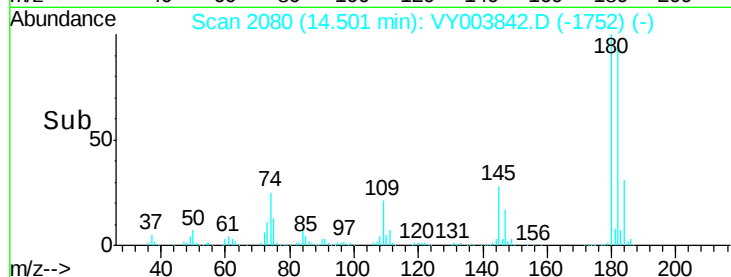
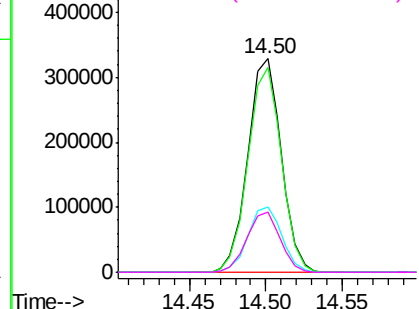


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

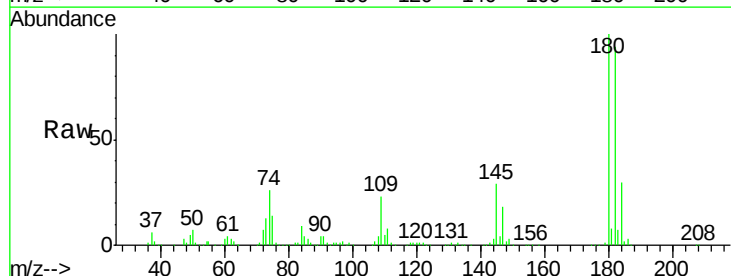
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 115.231 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. -0.00 min
 Lab File: VY003842.D
 Acq: 23 Dec 2020 17:10

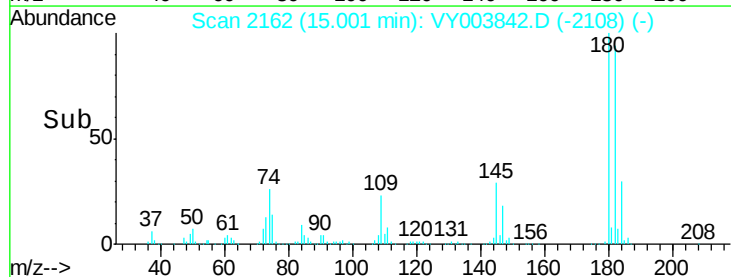
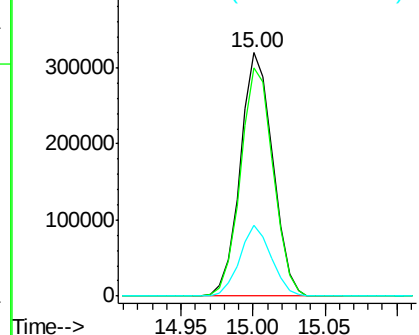
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.2	112.8
145	28.3	22.2	33.2

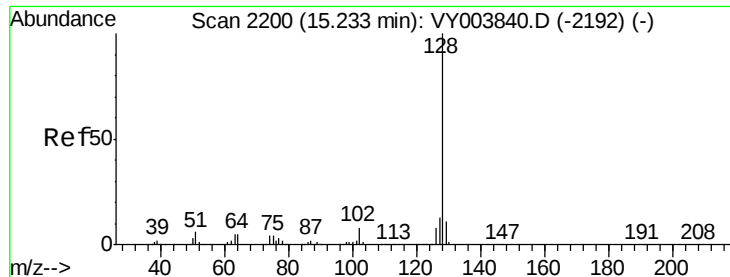


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 121.794 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VY003842.D

Acq: 23 Dec 2020 17:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTD10083

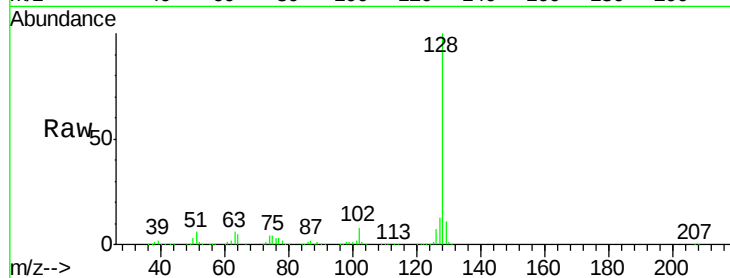
Tgt Ion:128 Resp: 1179382

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

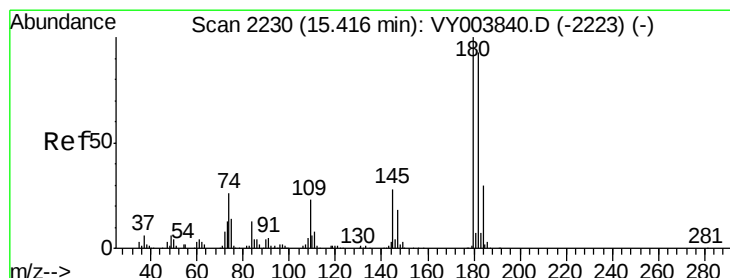
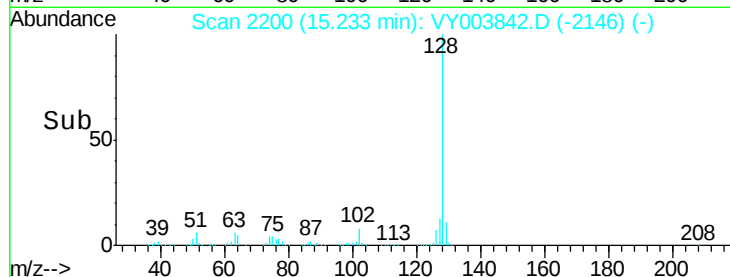
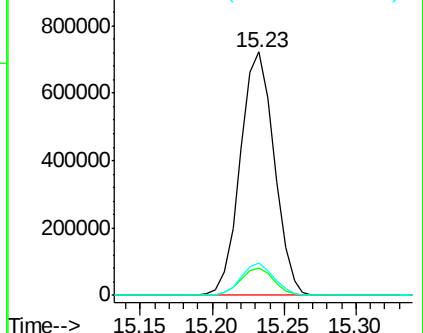
127 12.9 10.7 16.1



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: 114.740 ug/L

RT: 15.42 min Scan# 2231

Delta R.T. 0.01 min

Lab File: VY003842.D

Acq: 23 Dec 2020 17:10

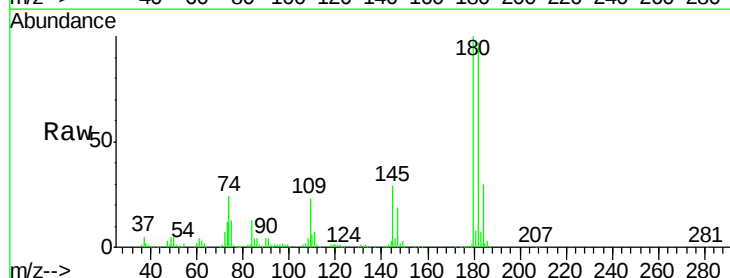
Tgt Ion:180 Resp: 449867

Ion Ratio Lower Upper

180 100

182 96.0 76.5 114.7

145 29.8 24.2 36.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

