

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111920\
 Data File : VY003542.D
 Acq On : 19 Nov 2020 11:47
 Operator : SY/MD
 Sample : VSTD00577
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00577

Quant Time: Nov 19 12:26:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111920S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 19 12:23:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	241387	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	218966	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	106285	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.26	65	16642	8.11	ug/L	0.00
7) Chloroethane-d5	2.77	69	14259	6.00	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	37669	5.96	ug/L	0.00
20) 2-Butanone-d5	7.02	46	110	0.09	ug/L	0.12
24) Chloroform-d	7.49	84	33222	5.45	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	18295	5.34	ug/L	0.00
29) Benzene-d6	8.11	84	70109	5.53	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.13	67	19864	5.27	ug/L	0.00
37) Toluene-d8	10.18	98	60406	5.35	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	9768	5.30	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	9386	10.04	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	16359	5.20	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	17626	5.24	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.92	85	4932	3.672 ug/L #	80
3) Chloromethane	2.11	50	13394	4.906 ug/L	95
5) Vinyl chloride	2.26	62	15171	5.773 ug/L	98
6) Bromomethane	2.66	94	12608	5.229 ug/L	96
8) Chloroethane	2.80	64	11212	5.341 ug/L	96
9) Trichlorofluoromethane	3.13	101	14724	4.903 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	15898	5.140 ug/L	97
12) 1,1-Dichloroethene	3.88	96	16966	5.105 ug/L	89
14) Carbon disulfide	4.20	76	55482	5.177 ug/L	99
15) Methyl Acetate	4.49	43	12662	5.383 ug/L	99
16) Methylene chloride	4.72	84	22465	4.842 ug/L	97
17) Methyl tert-butyl Ether	5.23	73	26178	4.985 ug/L #	93
18) trans-1,2-Dichloroethene	5.22	96	17754	4.998 ug/L	91
19) 1,1-Dichloroethane	6.02	63	30089	4.954 ug/L	98
21) 2-Butanone	7.00	43	16211	10.283 ug/L #	73
22) cis-1,2-Dichloroethene	6.99	96	18301	4.926 ug/L	96
23) Bromochloromethane	7.34	128	9034	5.051 ug/L	94
25) Chloroform	7.52	83	30407	5.110 ug/L	100
27) 1,2-Dichloroethane	8.24	62	20844	5.180 ug/L	98
30) Cyclohexane	7.79	56	25006	4.806 ug/L	96
31) 1,1,1-Trichloroethane	7.71	97	24067	5.246 ug/L	99
32) Carbon tetrachloride	7.90	117	22358	5.151 ug/L	99
34) Benzene	8.16	78	71113	5.105 ug/L	100
35) Trichloroethene	8.94	95	17478	5.008 ug/L	100
36) Methylcyclohexane	9.19	83	26584	4.920 ug/L	99
40) 1,2-Dichloropropane	9.22	63	17435	5.050 ug/L	99
41) Bromodichloromethane	9.50	83	21856	4.942 ug/L	91
42) cis-1,3-Dichloropropene	9.93	75	26685	4.916 ug/L	96
43) 4-Methyl-2-pentanone	10.07	43	27099	9.239 ug/L	98
44) Toluene	10.24	91	74217	5.133 ug/L	99

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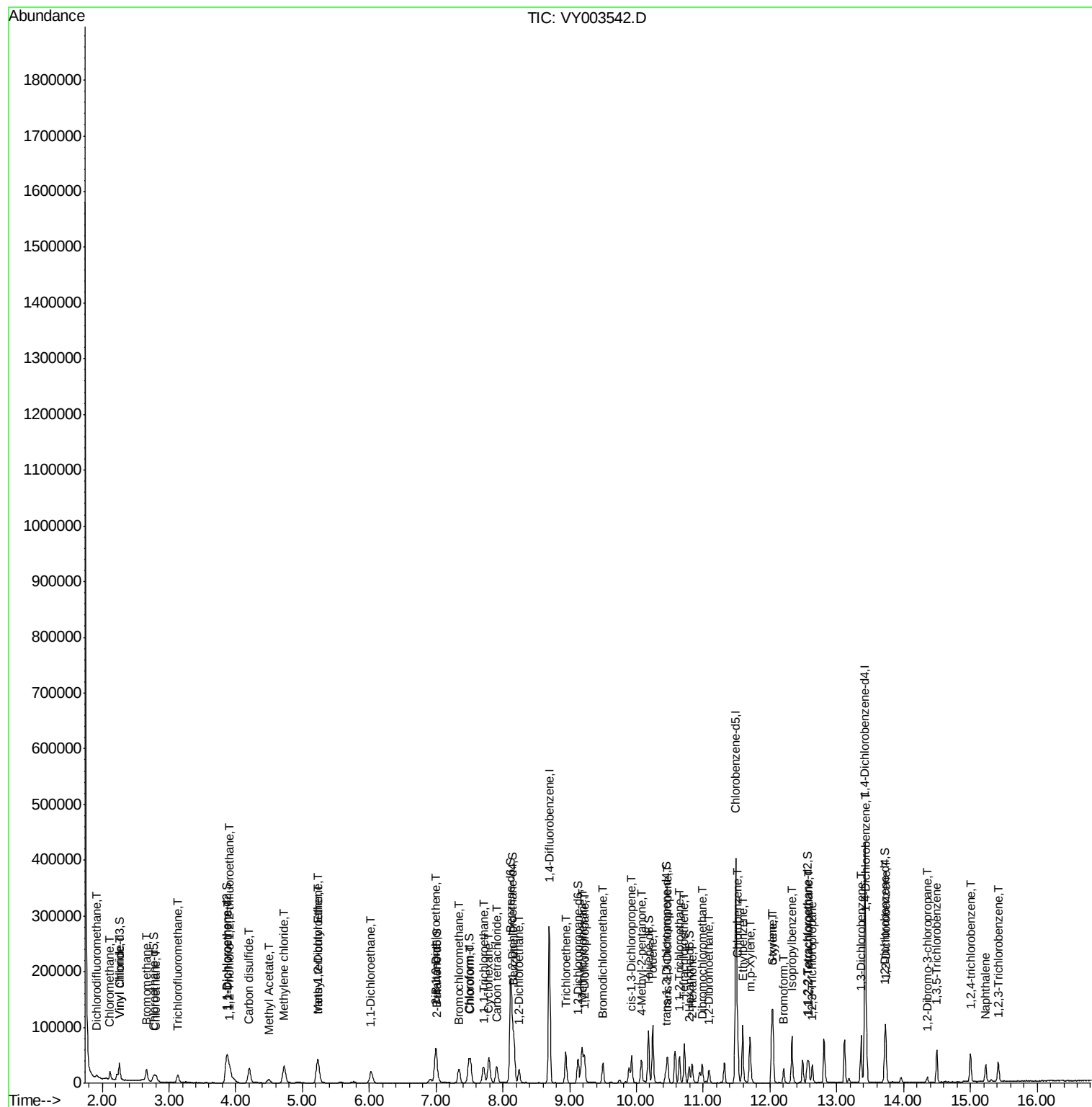
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.47	75	24359	4.920	ug/L	100
46) 1,1,2-Trichloroethane	10.64	97	14011	5.055	ug/L	96
47) Tetrachloroethene	10.72	164	15252	4.956	ug/L	89
49) 2-Hexanone	10.83	43	22466	10.340	ug/L	97
50) Dibromochloromethane	10.99	129	16427	5.034	ug/L	89
51) 1,2-Dibromoethane	11.09	107	13699	4.978	ug/L	94
52) Chlorobenzene	11.52	112	47809	5.154	ug/L	97
53) Ethylbenzene	11.59	91	73674	5.016	ug/L	98
54) m,p-Xylene	11.70	106	27905	4.874	ug/L	96
55) o-xylene	12.03	106	23254	4.830	ug/L	97
56) Styrene	12.05	104	46171	4.938	ug/L	97
57) Isopropylbenzene	12.33	105	52287	4.927	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.58	83	15565	5.030	ug/L	94
59) 1,2,3-Trichloropropane	12.63	75	12852	5.331	ug/L	98
62) Bromoform	12.20	173	10937	5.000	ug/L	99
63) 1,3-Dichlorobenzene	13.36	146	34746	5.184	ug/L	98
64) 1,4-Dichlorobenzene	13.44	146	36068	5.230	ug/L	99
65) 1,2-Dichlorobenzene	13.73	146	28412	5.161	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.36	75	2365	5.472	ug/L	97
67) 1,3,5-Trichlorobenzene	14.50	180	18058	5.151	ug/L	96
68) 1,2,4-trichlorobenzene	15.00	180	14677	4.825	ug/L	96
69) Naphthalene	15.23	128	24669	4.578	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	11913	5.171	ug/L	96

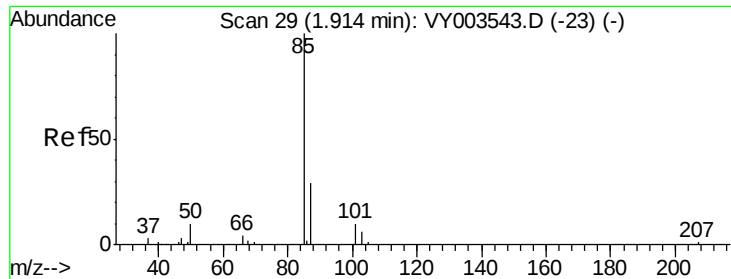
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 3.672 ug/L

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY003542.D

Acq: 19 Nov 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

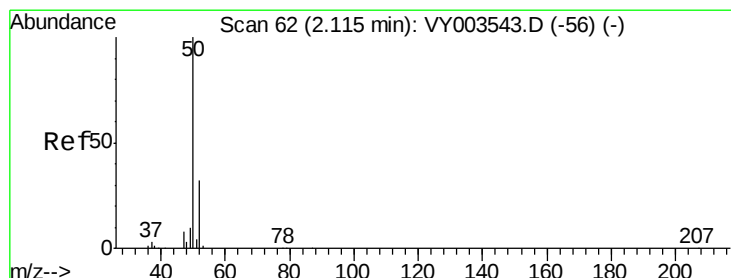
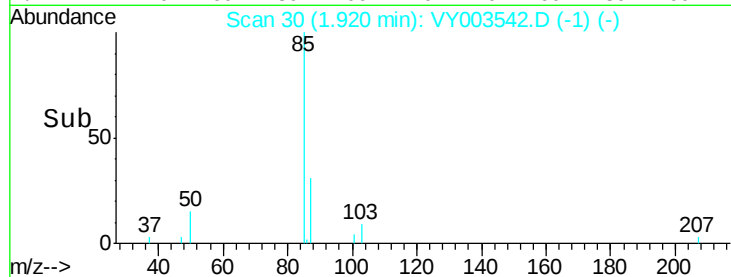
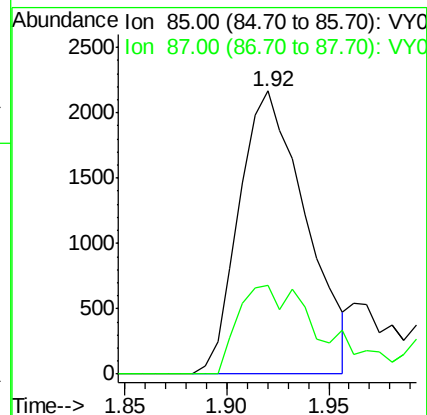
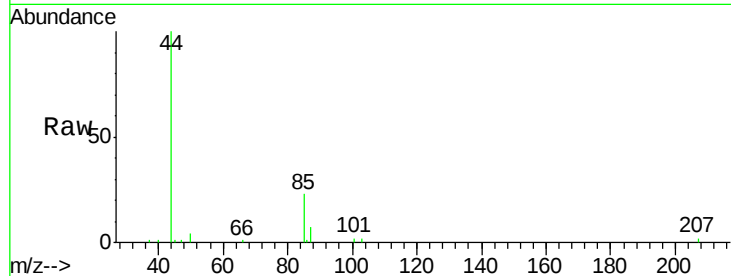
VSTD00577

Tgt Ion: 85 Resp: 4932

Ion Ratio Lower Upper

85 100

87 19.7 21.3 39.5#



#3

Chloromethane

Concen: 4.906 ug/L

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003542.D

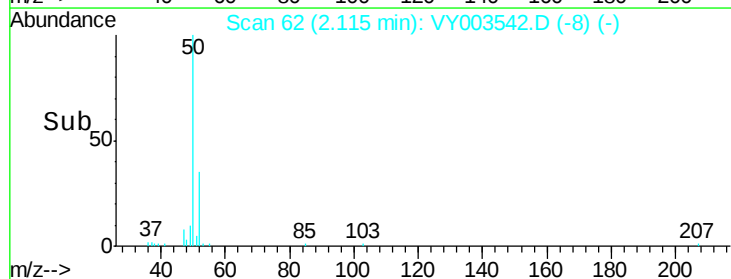
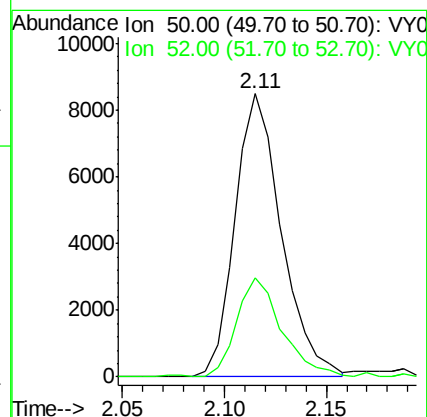
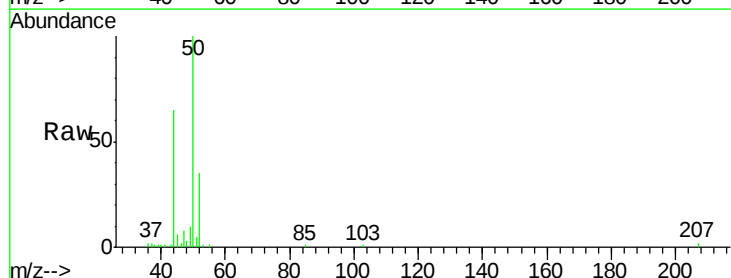
Acq: 19 Nov 2020 11:47

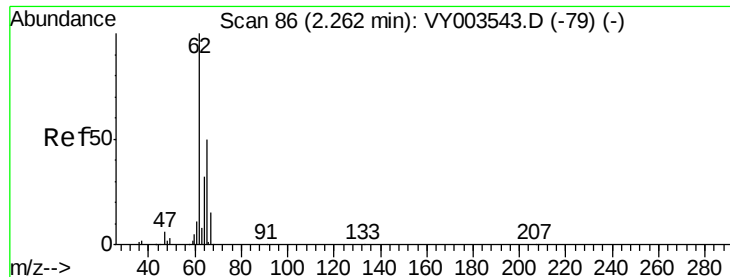
Tgt Ion: 50 Resp: 13394

Ion Ratio Lower Upper

50 100

52 34.8 22.4 41.6





#5

Vinyl chloride

Concen: 5.773 ug/L

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY003542.D

Acq: 19 Nov 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

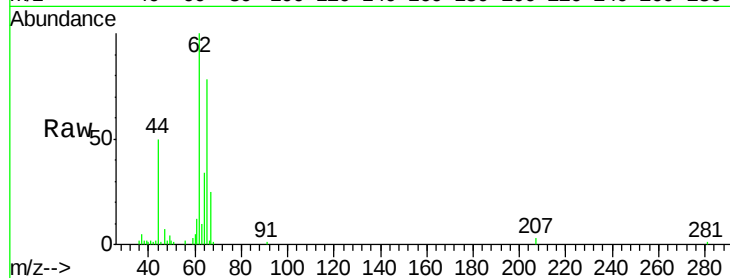
VSTD00577

Tgt Ion: 62 Resp: 15171

Ion Ratio Lower Upper

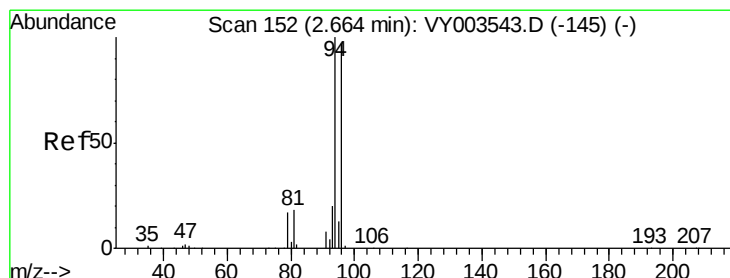
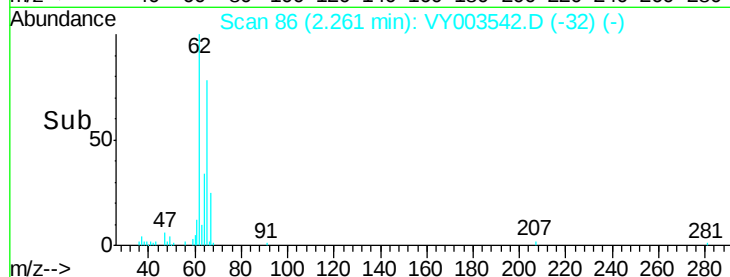
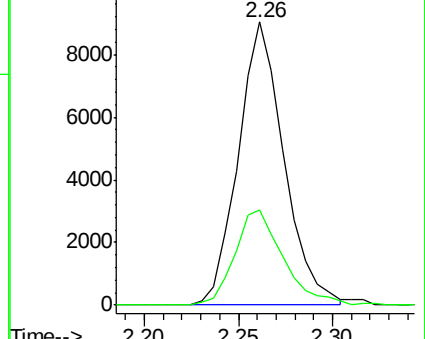
62 100

64 33.8 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 5.229 ug/L

RT: 2.66 min Scan# 152

Delta R.T. -0.00 min

Lab File: VY003542.D

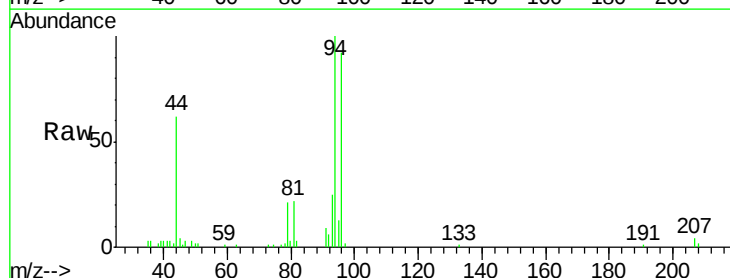
Acq: 19 Nov 2020 11:47

Tgt Ion: 94 Resp: 12608

Ion Ratio Lower Upper

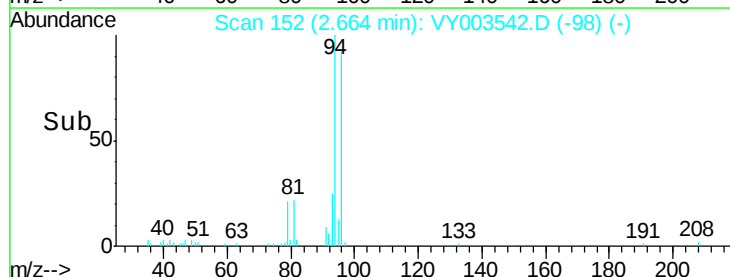
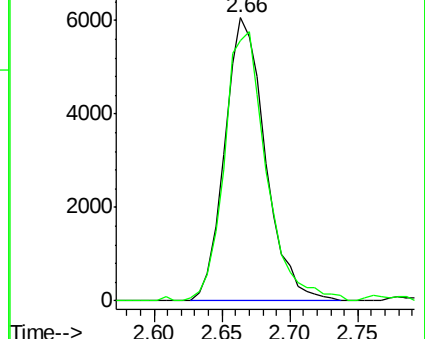
94 100

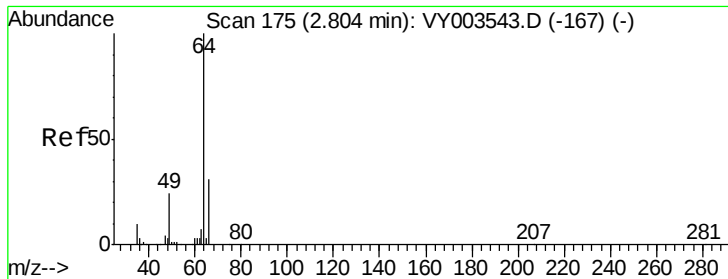
96 98.0 9.4 178.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 5.341 ug/L

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY003542.D

Acq: 19 Nov 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

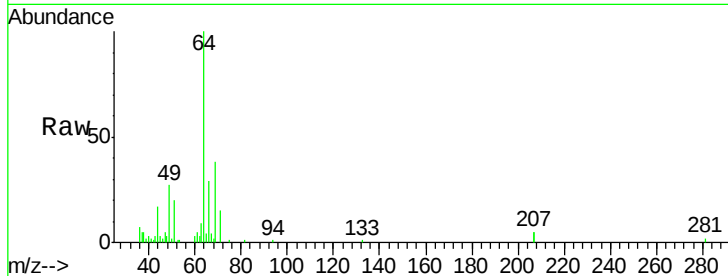
VSTD00577

Tgt Ion: 64 Resp: 11212

Ion Ratio Lower Upper

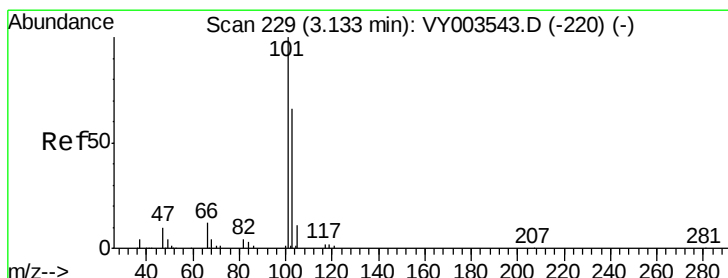
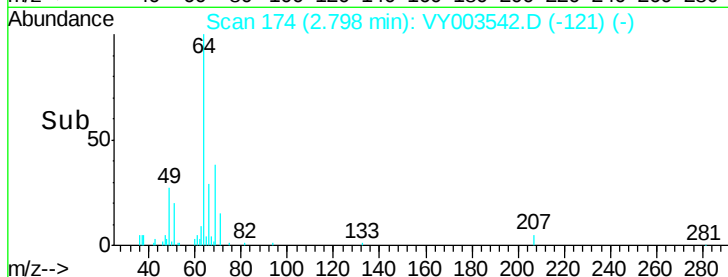
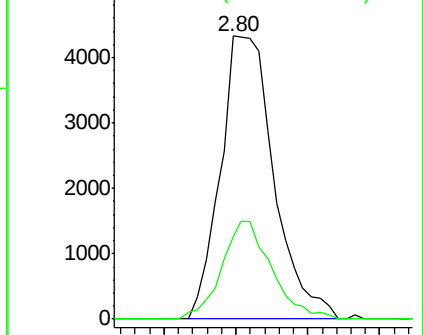
64 100

66 29.2 21.8 40.6



Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0



#9

Trichlorofluoromethane

Concen: 4.903 ug/L

RT: 3.13 min Scan# 229

Delta R.T. -0.00 min

Lab File: VY003542.D

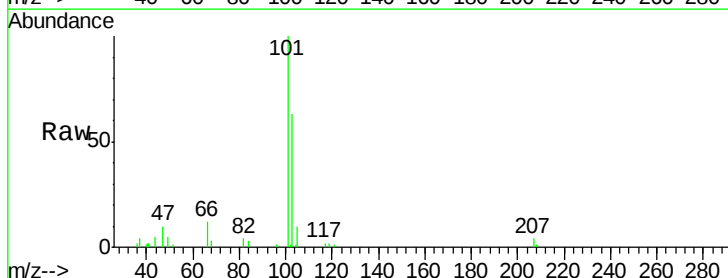
Acq: 19 Nov 2020 11:47

Tgt Ion: 101 Resp: 14724

Ion Ratio Lower Upper

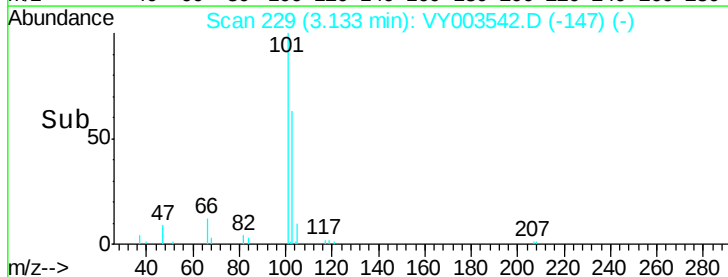
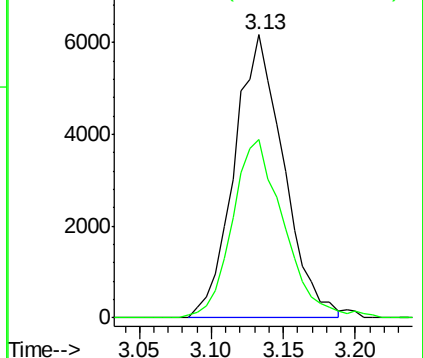
101 100

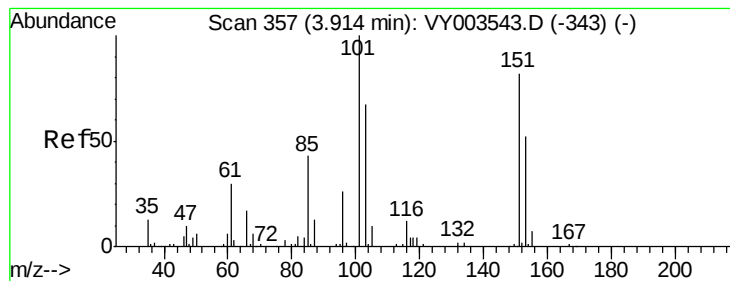
103 65.0 45.6 84.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 5.140 ug/L

RT: 3.91 min Scan# 357

Delta R.T. -0.00 min

Lab File: VY003542.D

Acq: 19 Nov 2020 11:47

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VSTD00577

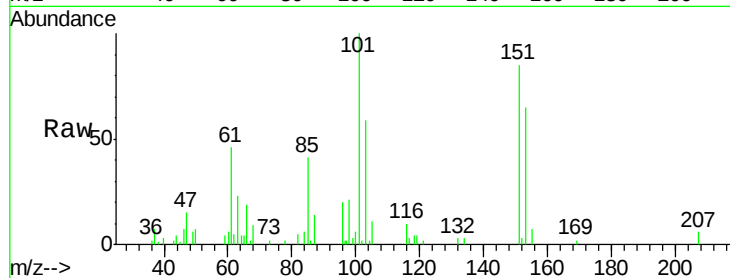
Tgt Ion: 101 Resp: 15898

Ion Ratio Lower Upper

101 100

85 41.0 35.0 52.4

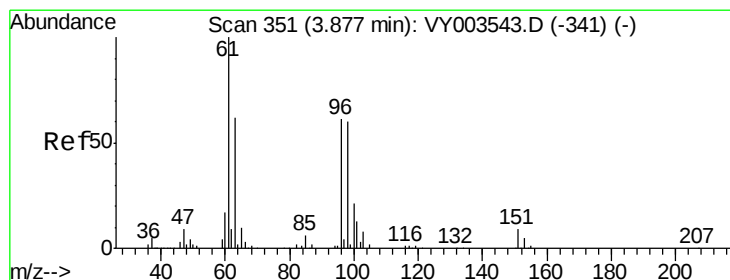
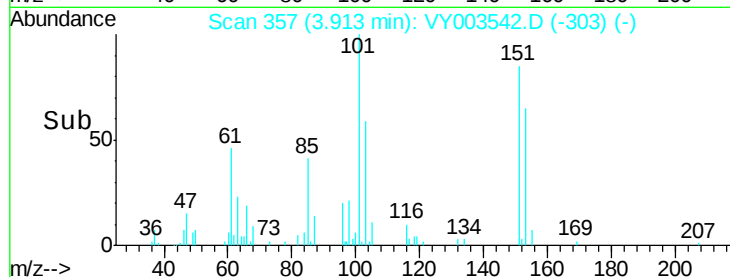
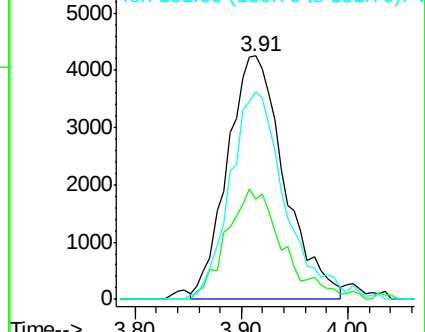
151 79.2 65.4 98.0



Abundance Ion 101.00 (100.70 to 101.70): VY003543.D (-343) (-)

Ion 85.00 (84.70 to 85.70): VY003543.D (-343) (-)

Ion 151.00 (150.70 to 151.70): VY003543.D (-343) (-)



#12

1,1-Dichloroethene

Concen: 5.105 ug/L

RT: 3.88 min Scan# 351

Delta R.T. -0.00 min

Lab File: VY003542.D

Acq: 19 Nov 2020 11:47

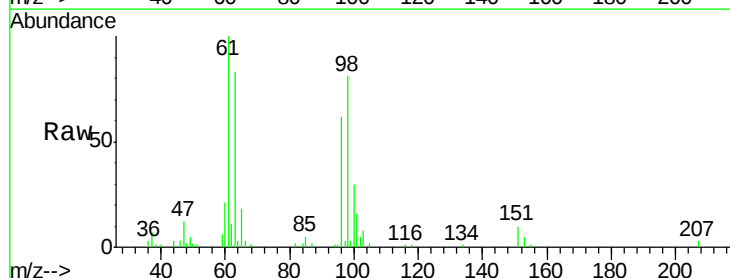
Tgt Ion: 96 Resp: 16966

Ion Ratio Lower Upper

96 100

61 162.5 116.6 216.6

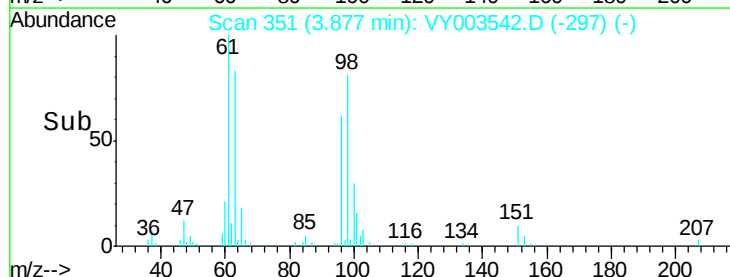
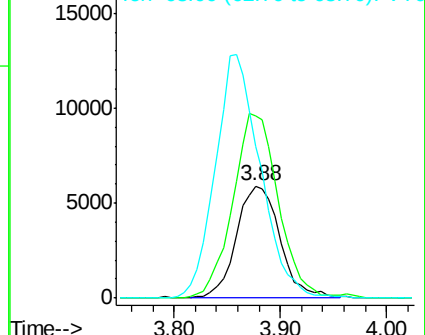
63 134.7 77.5 143.9

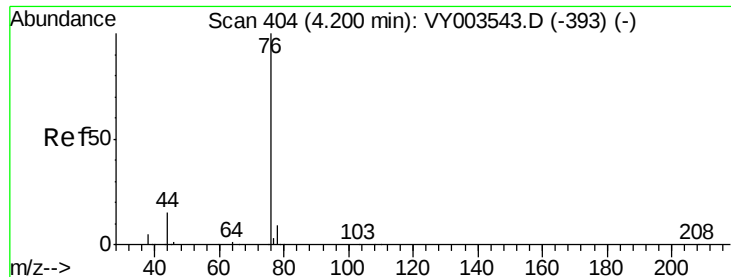


Abundance Ion 96.00 (95.70 to 96.70): VY003543.D (-341) (-)

Ion 61.00 (60.70 to 61.70): VY003543.D (-341) (-)

Ion 63.00 (62.70 to 63.70): VY003543.D (-341) (-)





#14

Carbon disulfide

Concen: 5.177 ug/L

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003542.D

Acq: 19 Nov 2020 11:47

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ClientSampleId :

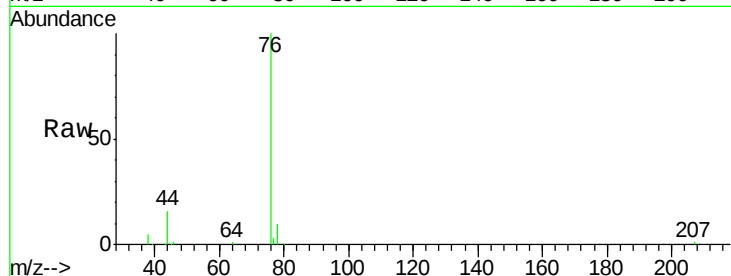
VSTD00577

Tgt Ion: 76 Resp: 55482

Ion Ratio Lower Upper

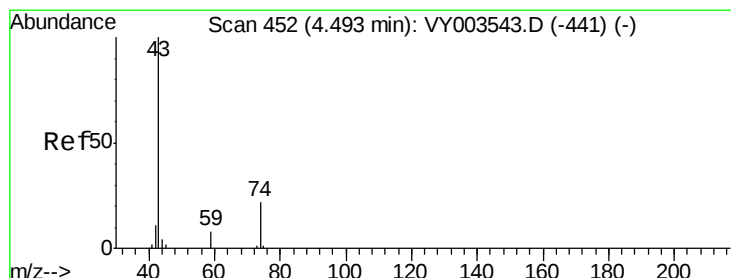
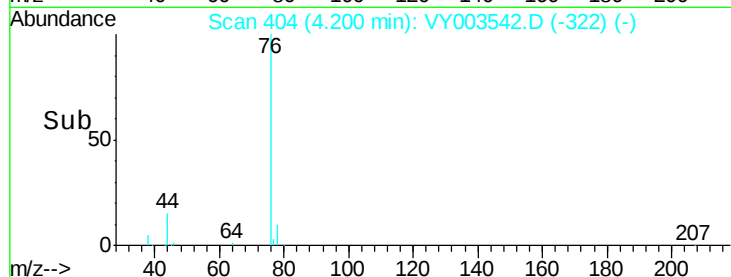
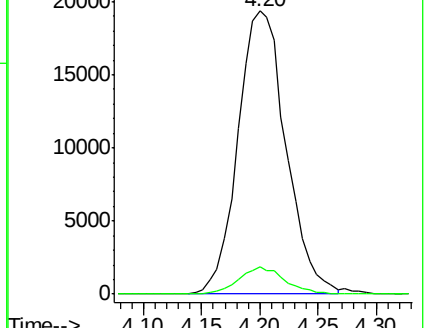
76 100

78 9.5 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VY003542.D (-322) (-)

Ion 78.00 (77.70 to 78.70): VY003542.D (-322) (-)



#15

Methyl Acetate

Concen: 5.383 ug/L

RT: 4.49 min Scan# 452

Delta R.T. -0.00 min

Lab File: VY003542.D

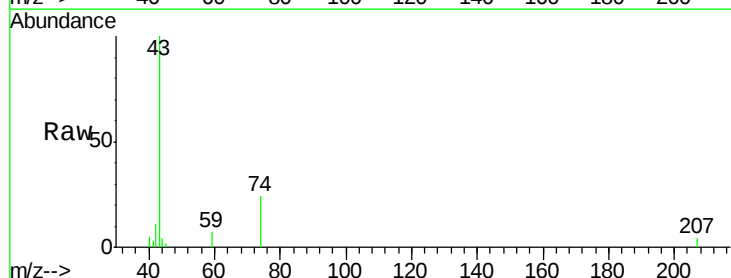
Acq: 19 Nov 2020 11:47

Tgt Ion: 43 Resp: 12662

Ion Ratio Lower Upper

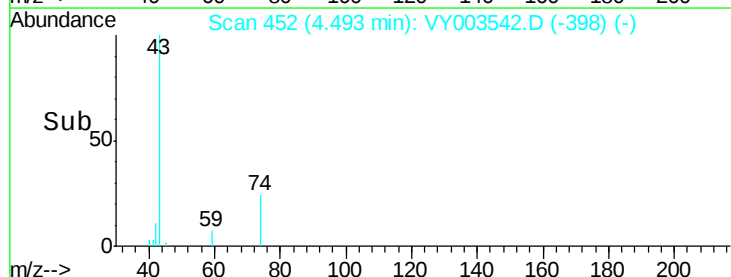
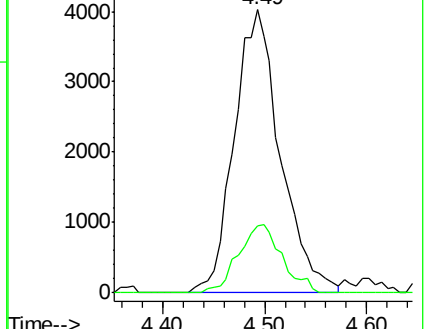
43 100

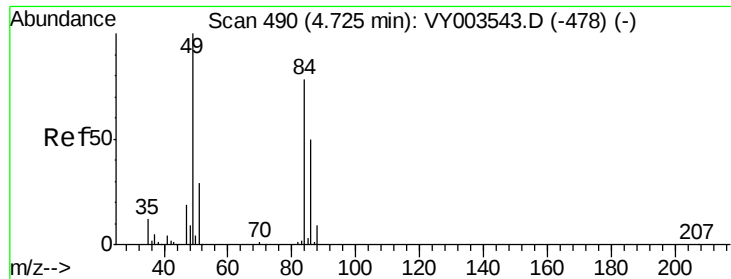
74 22.0 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VY003542.D (-398) (-)

Ion 74.00 (73.70 to 74.70): VY003542.D (-398) (-)

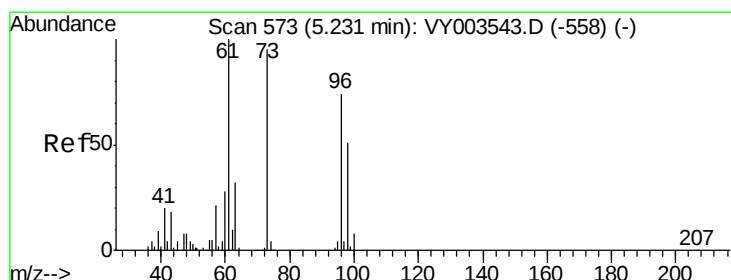
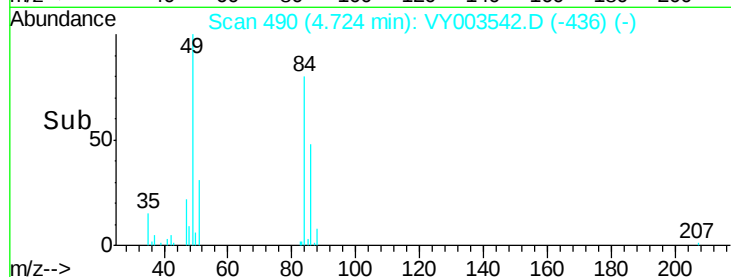
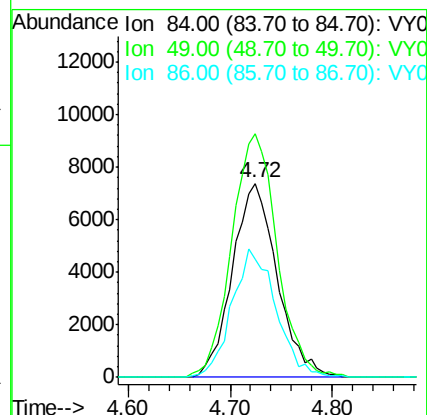
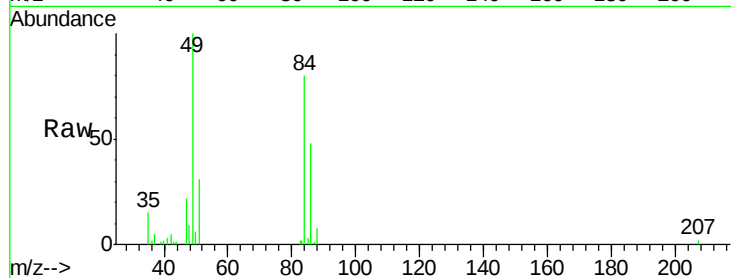




#16
Methylene chloride
Concen: 4.842 ug/L
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY003542.D
Acq: 19 Nov 2020 11:47

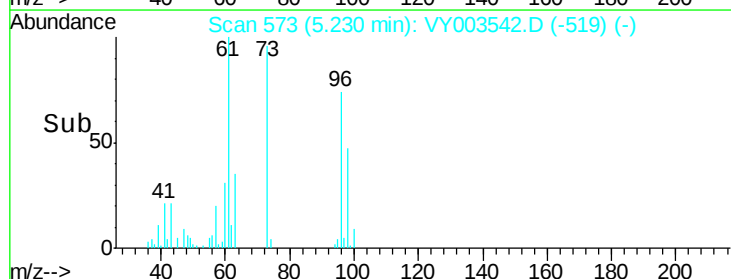
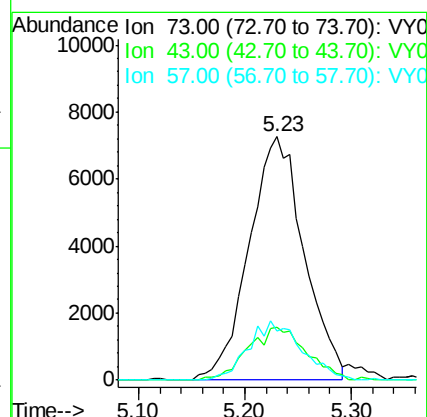
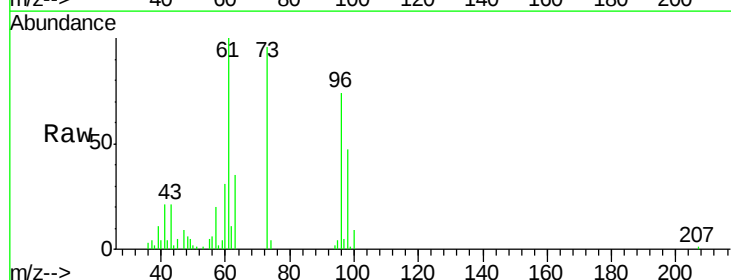
Instrument :
MSVOA_Y
ClientSampled :
VSTD00577

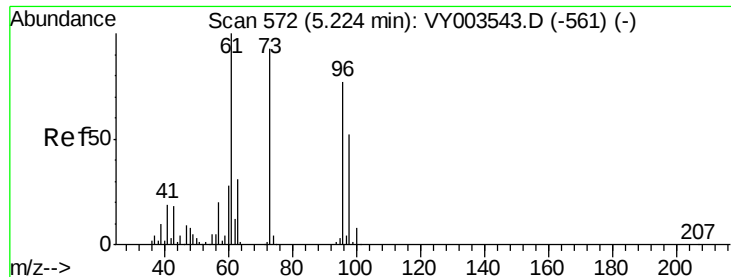
Tgt Ion: 84 Resp: 22465
Ion Ratio Lower Upper
84 100
49 125.5 90.3 167.7
86 60.6 44.7 83.1



#17
Methyl tert-butyl Ether
Concen: 4.985 ug/L
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY003542.D
Acq: 19 Nov 2020 11:47

Tgt Ion: 73 Resp: 26178
Ion Ratio Lower Upper
73 100
43 14.8 15.9 23.9#
57 13.1 10.5 15.7





#18

trans-1,2-Dichloroethene

Concen: 4.998 ug/L

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY003542.D

Acq: 19 Nov 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00577

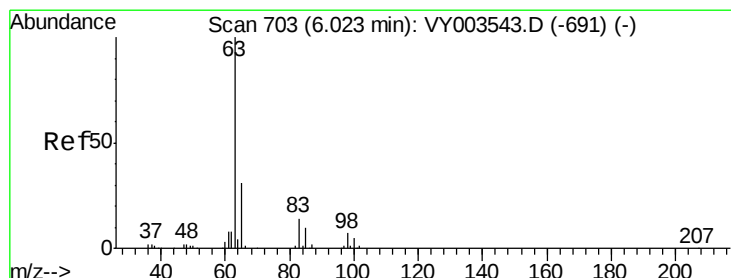
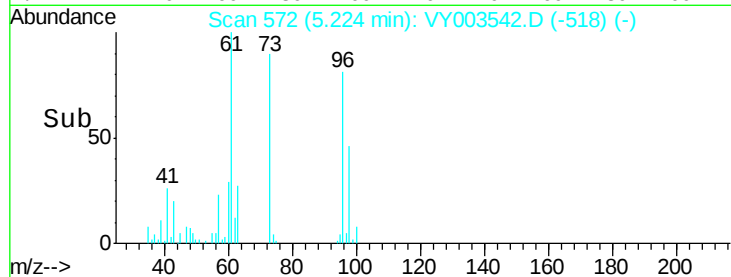
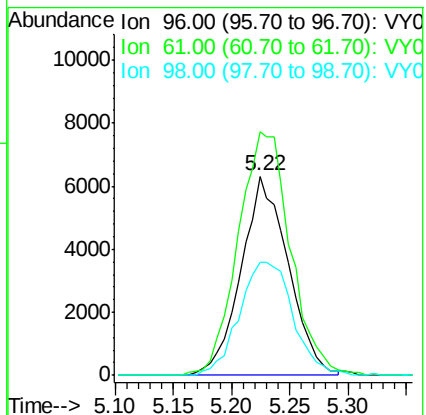
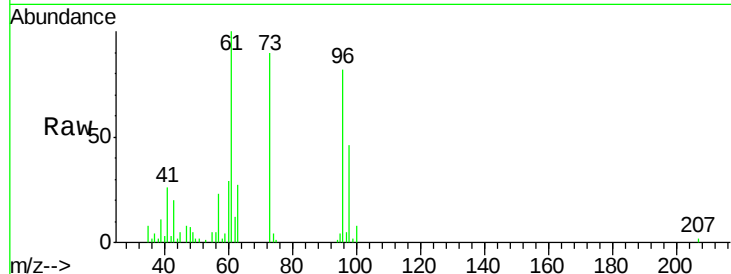
Tgt Ion: 96 Resp: 17754

Ion Ratio Lower Upper

96 100

61 122.1 90.8 168.6

98 56.7 46.8 87.0



#19

1,1-Dichloroethane

Concen: 4.954 ug/L

RT: 6.02 min Scan# 703

Delta R.T. -0.00 min

Lab File: VY003542.D

Acq: 19 Nov 2020 11:47

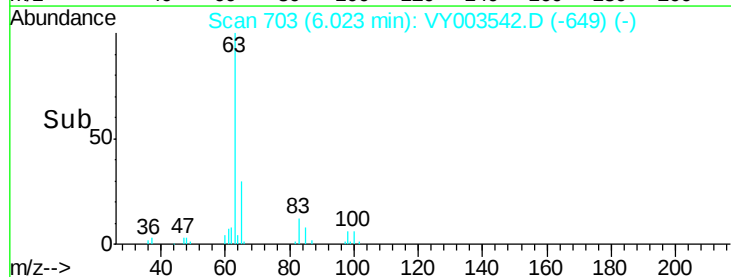
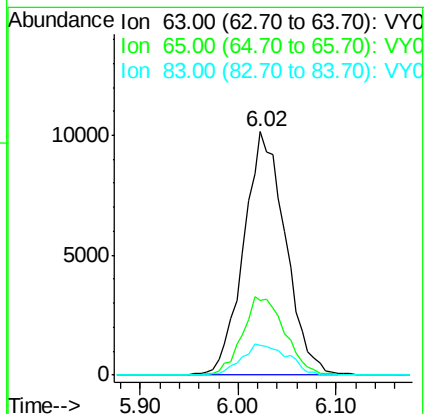
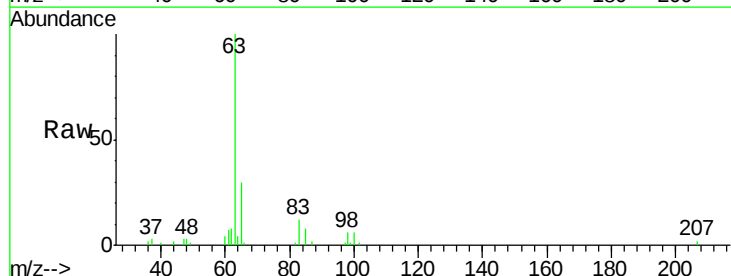
Tgt Ion: 63 Resp: 30089

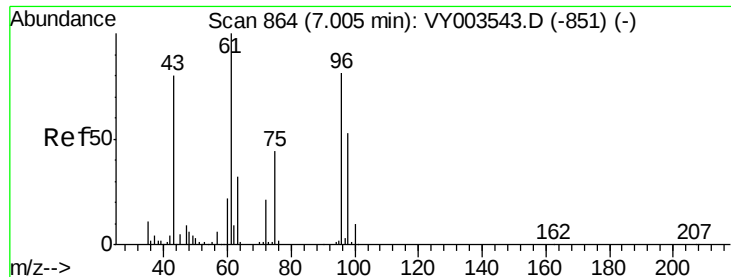
Ion Ratio Lower Upper

63 100

65 30.4 22.0 40.8

83 12.5 9.9 18.5





#21

2-Butanone

Concen: 10.283 ug/L

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY003542.D

Acq: 19 Nov 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

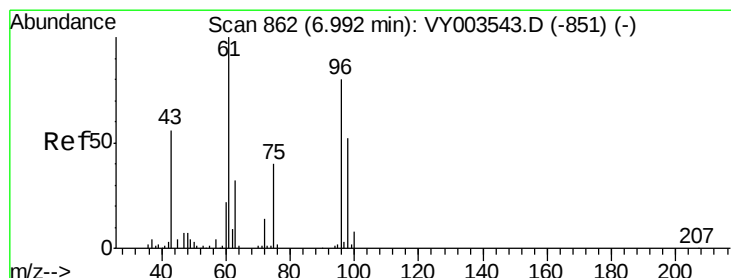
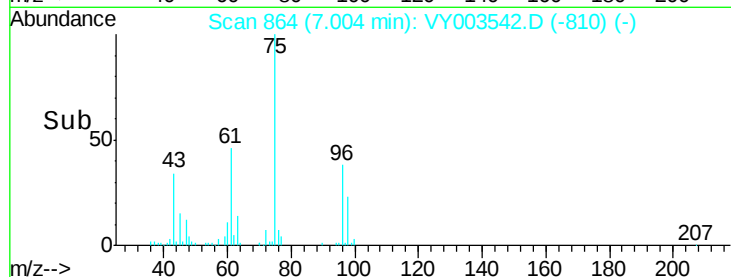
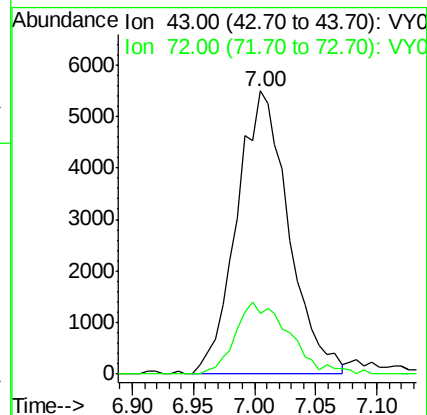
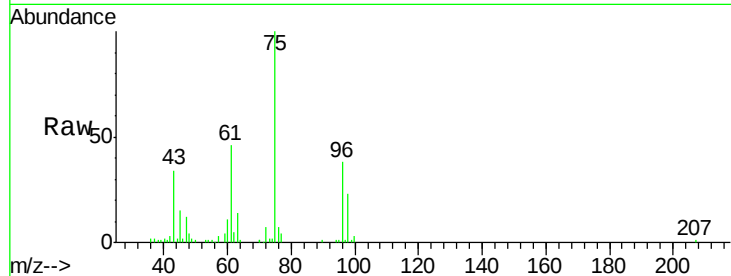
VSTD00577

Tgt Ion: 43 Resp: 16211

Ion Ratio Lower Upper

43 100

72 12.7 13.2 39.6#



#22

cis-1,2-Dichloroethene

Concen: 4.926 ug/L

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY003542.D

Acq: 19 Nov 2020 11:47

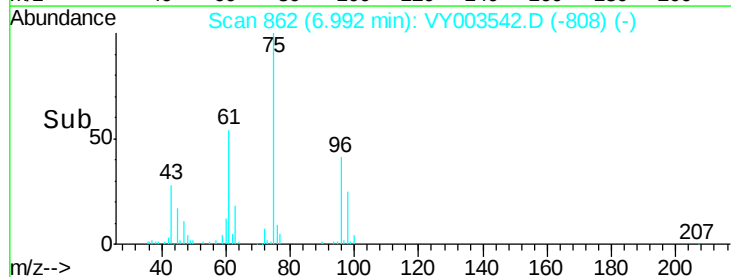
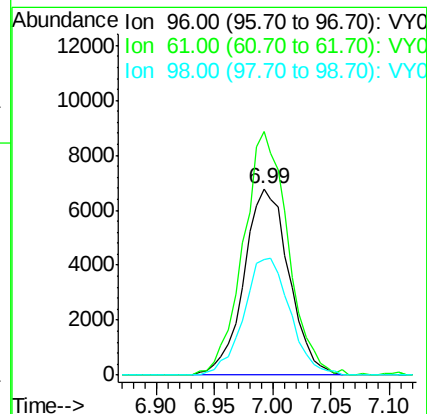
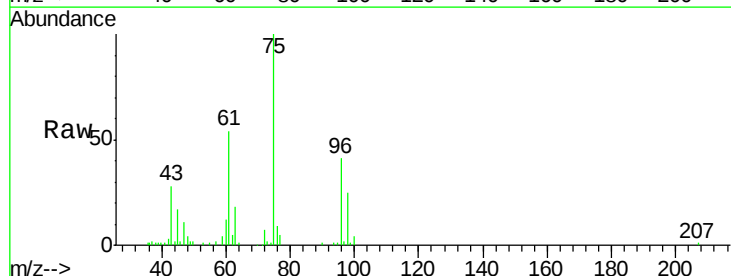
Tgt Ion: 96 Resp: 18301

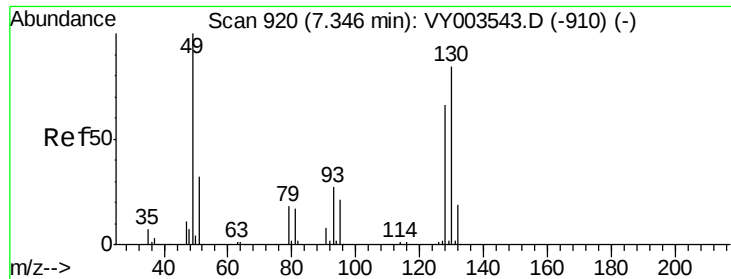
Ion Ratio Lower Upper

96 100

61 130.9 88.1 163.5

98 62.1 45.6 84.6

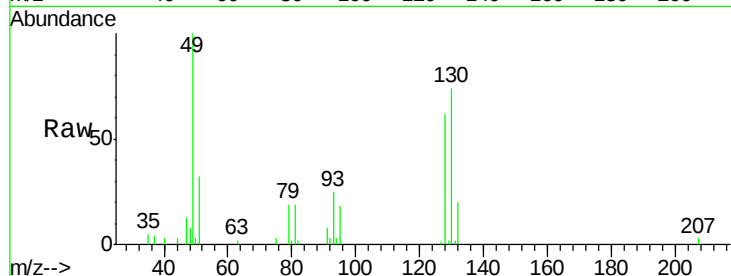




#23
Bromochloromethane
Concen: 5.051 ug/L
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY003542.D
Acq: 19 Nov 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTD00577

Tgt Ion:	128	Resp:	9034
Ion	Ratio	Lower	Upper
128	100		
49	161.8	107.3	199.3
130	120.1	89.3	165.9
51	51.8	38.8	58.2

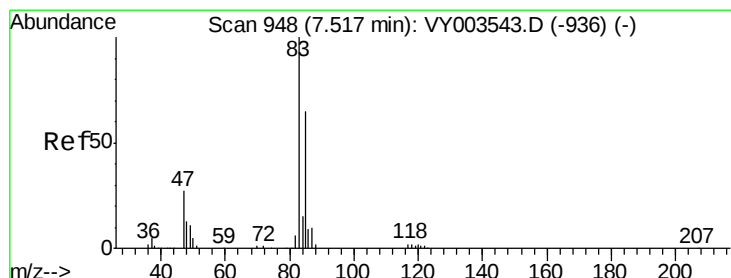
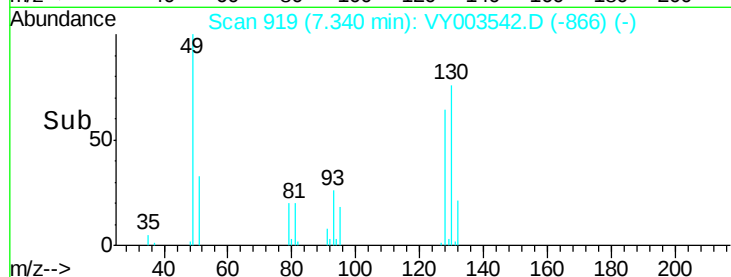
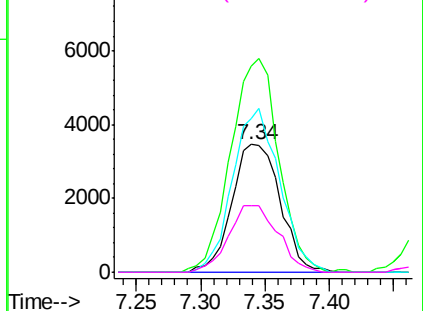


Abundance Ion 128.00 (127.70 to 128.70): VY003543.D (-910) (-)

Ion 49.00 (48.70 to 49.70): VY003543.D (-910) (-)

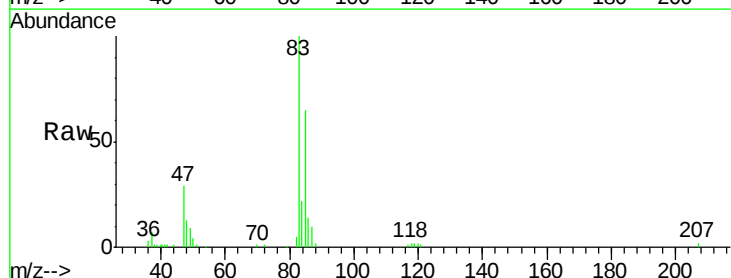
Ion 130.00 (129.70 to 130.70): VY003543.D (-910) (-)

Ion 51.00 (50.70 to 51.70): VY003543.D (-910) (-)



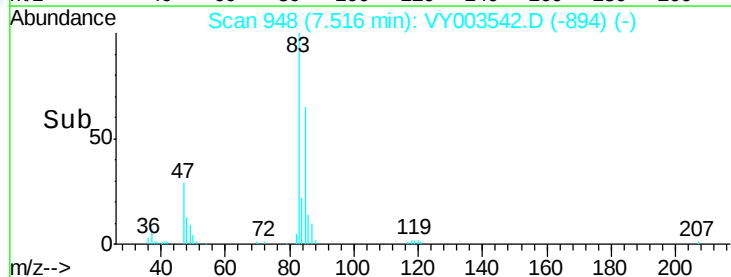
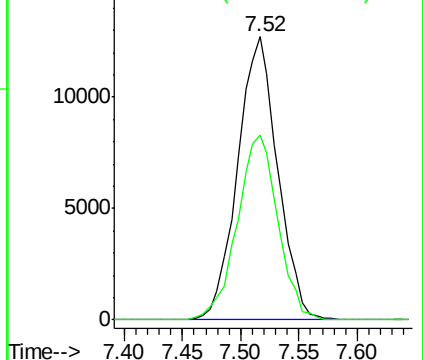
#25
Chloroform
Concen: 5.110 ug/L
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY003542.D
Acq: 19 Nov 2020 11:47

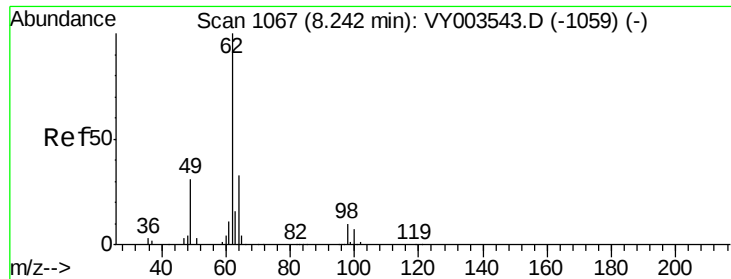
Tgt Ion:	83	Resp:	30407
Ion	Ratio	Lower	Upper
83	100		
85	66.2	46.2	85.8



Abundance Ion 83.00 (82.70 to 83.70): VY003543.D (-936) (-)

Ion 85.00 (84.70 to 85.70): VY003543.D (-936) (-)

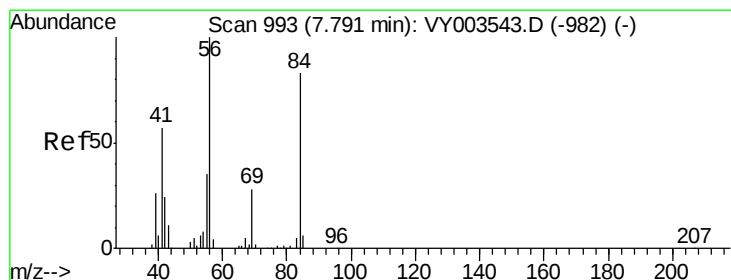
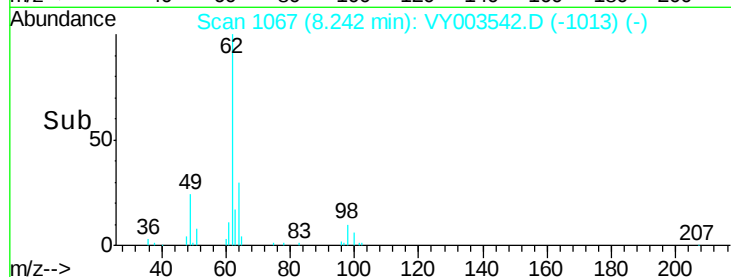
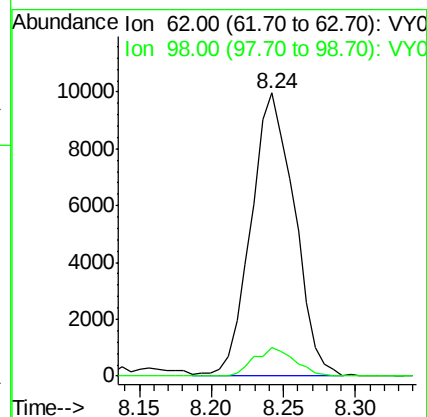
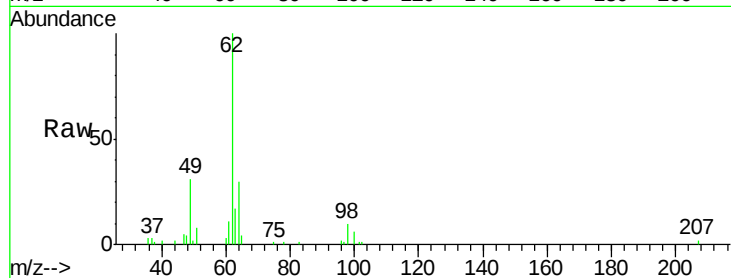




#27
 1,2-Dichloroethane
 Concen: 5.180 ug/L
 RT: 8.24 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VY003542.D
 Acq: 19 Nov 2020 11:47

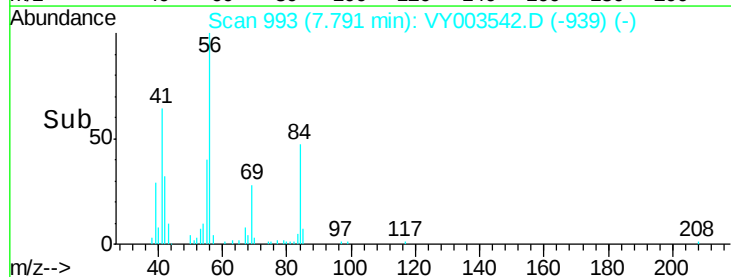
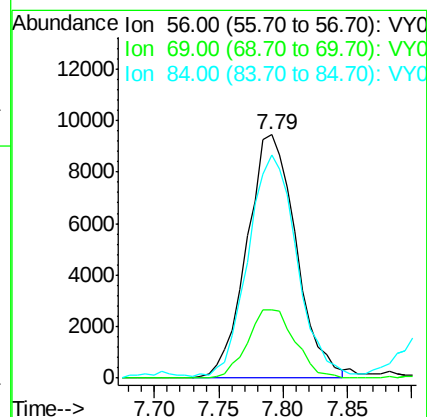
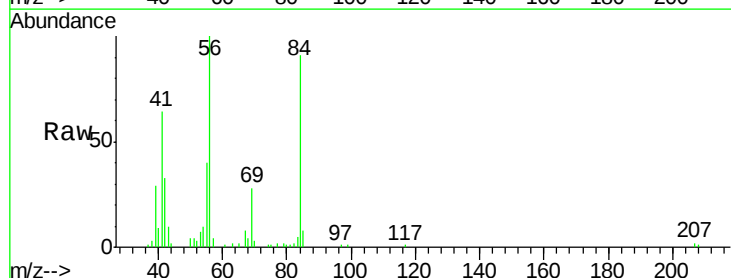
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00577

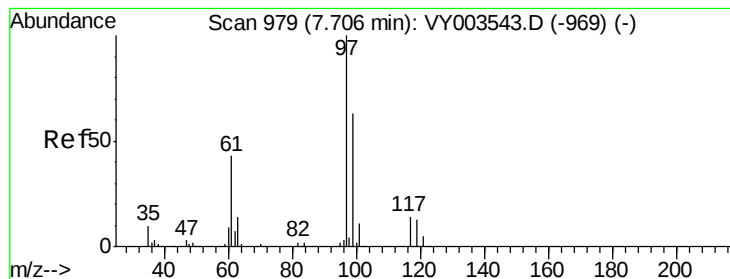
Tgt Ion: 62 Resp: 20844
 Ion Ratio Lower Upper
 62 100
 98 10.3 7.7 11.5



#30
 Cyclohexane
 Concen: 4.806 ug/L
 RT: 7.79 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VY003542.D
 Acq: 19 Nov 2020 11:47

Tgt Ion: 56 Resp: 25006
 Ion Ratio Lower Upper
 56 100
 69 27.0 23.3 34.9
 84 91.8 69.9 104.9





#31

1,1,1-Trichloroethane

Concen: 5.246 ug/L

RT: 7.71 min Scan# 980

Delta R.T. 0.01 min

Lab File: VY003542.D

Acq: 19 Nov 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00577

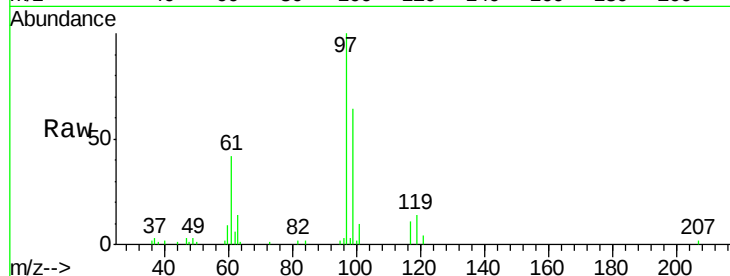
Tgt Ion: 97 Resp: 24067

Ion Ratio Lower Upper

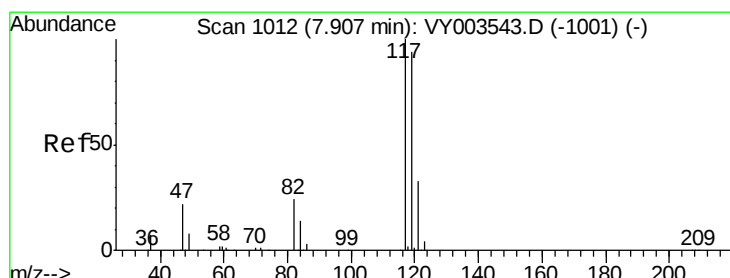
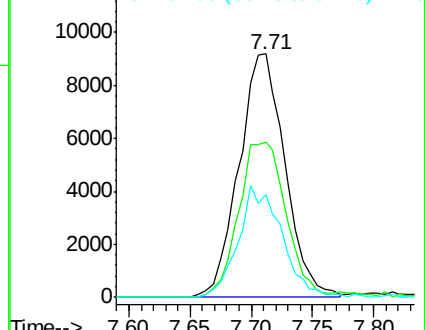
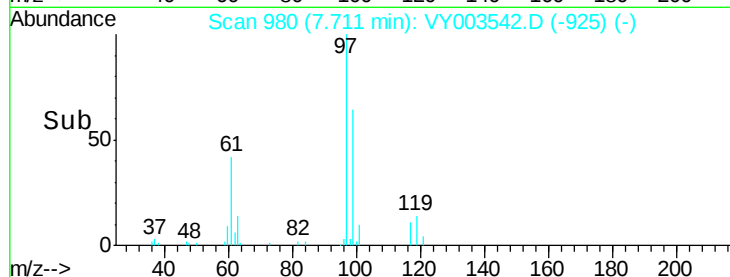
97 100

99 65.6 52.1 78.1

61 42.7 34.9 52.3



Abundance Ion 97.00 (96.70 to 97.70): VY003542.D (-925) (-)



#32

Carbon tetrachloride

Concen: 5.151 ug/L

RT: 7.90 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VY003542.D

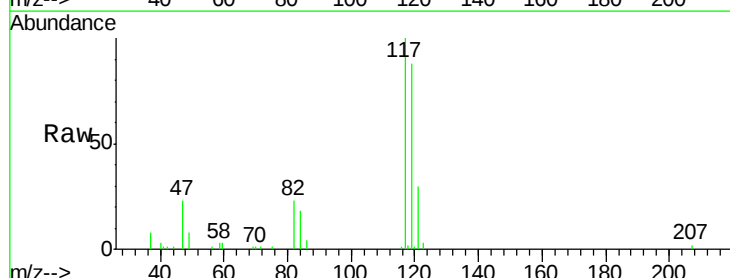
Acq: 19 Nov 2020 11:47

Tgt Ion: 117 Resp: 22358

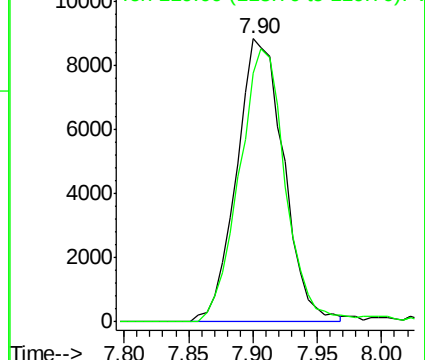
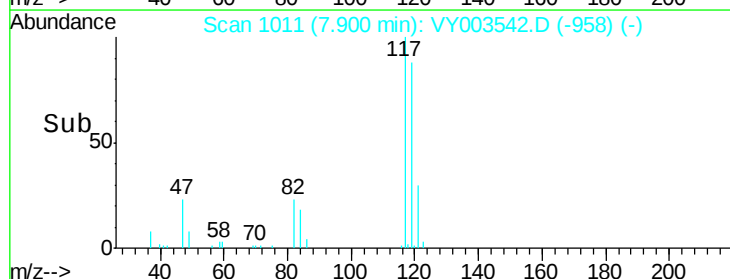
Ion Ratio Lower Upper

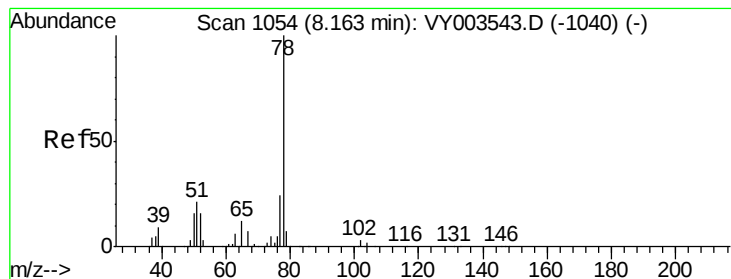
117 100

119 94.2 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): VY003542.D (-958) (-)





#34

Benzene

Concen: 5.105 ug/L

RT: 8.16 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VY003542.D

Acq: 19 Nov 2020 11:47

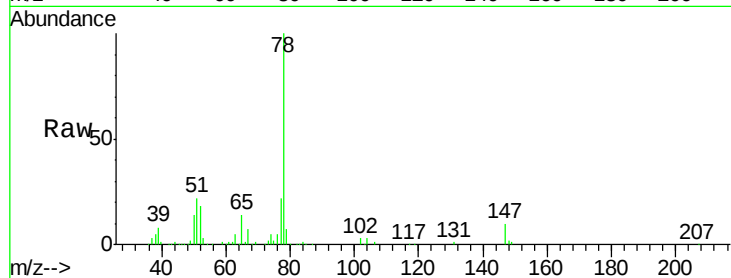
Instrument :

MSVOA_Y

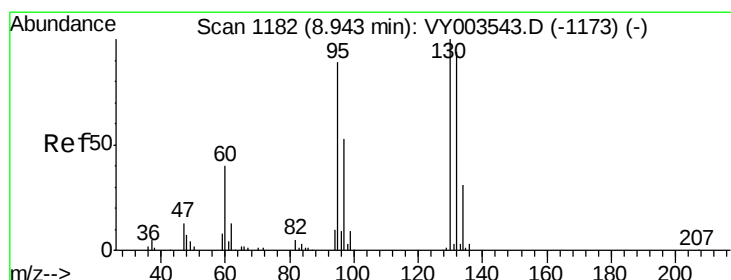
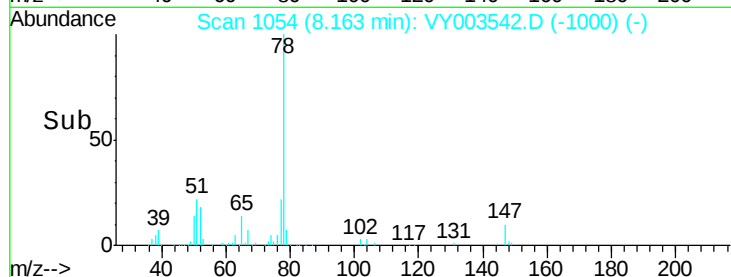
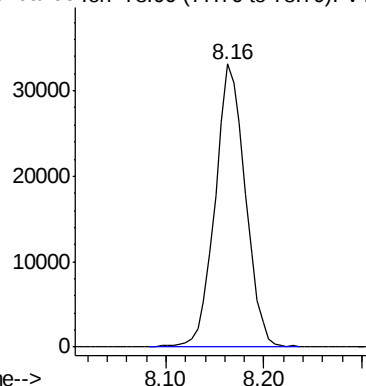
ClientSampleId :

VSTD00577

Tgt Ion: 78 Resp: 71113



Abundance Ion 78.00 (77.70 to 78.70): VY0



#35

Trichloroethene

Concen: 5.008 ug/L

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY003542.D

Acq: 19 Nov 2020 11:47

Tgt Ion: 95 Resp: 17478

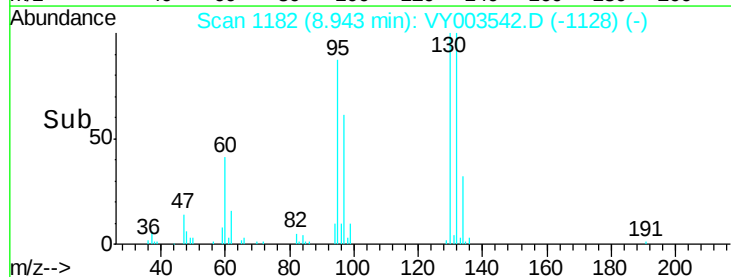
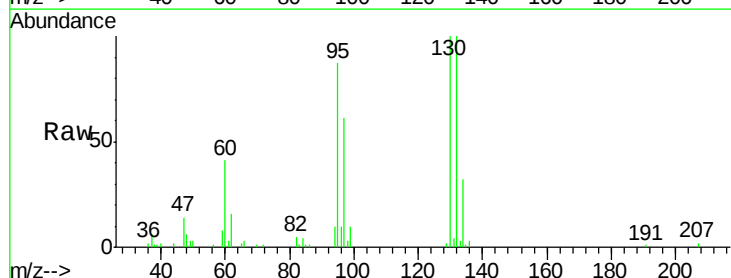
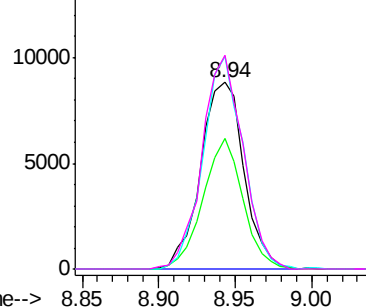
Ion	Ratio	Lower	Upper
95	100		
97	64.0	44.5	82.7
132	105.2	73.1	135.7
130	108.5	76.1	141.3

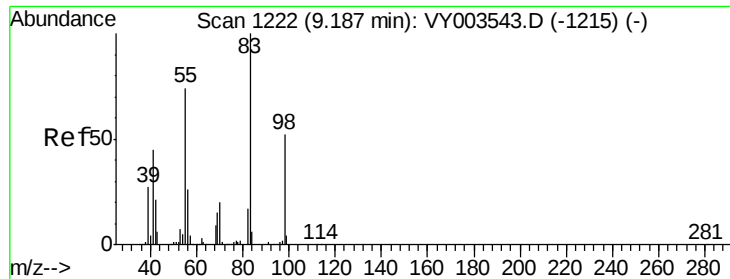
Abundance Ion 95.00 (94.70 to 95.70): VY0

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

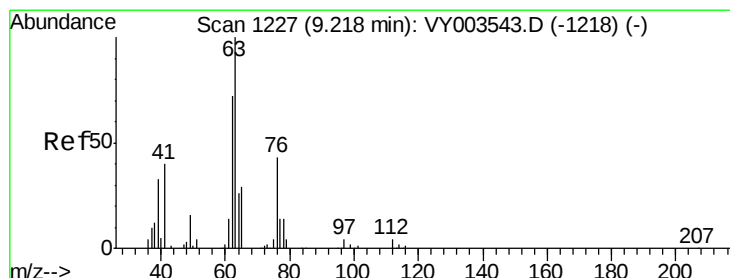
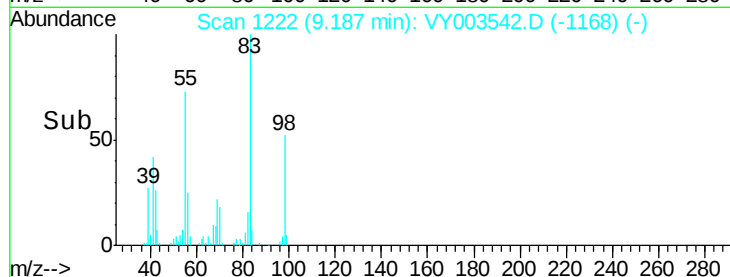
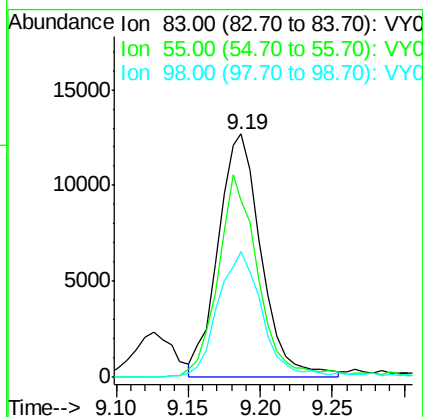
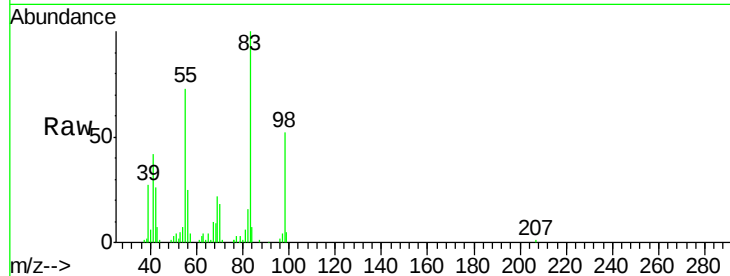




#36
Methylcyclohexane
Concen: 4.920 ug/L
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY003542.D
Acq: 19 Nov 2020 11:47

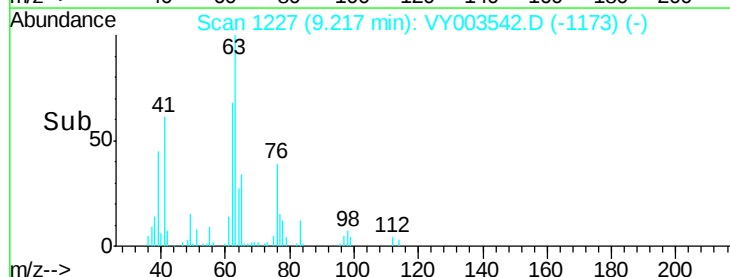
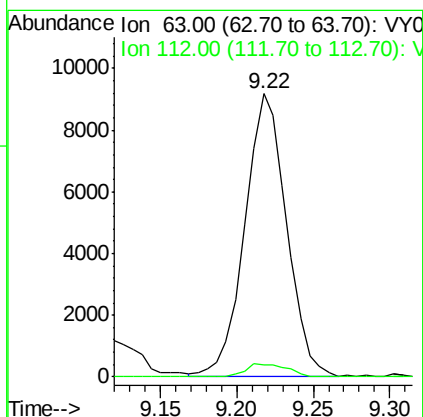
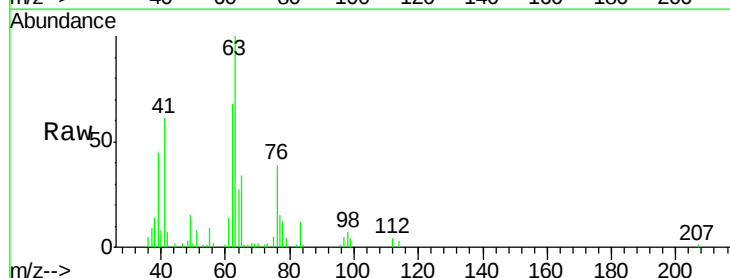
Instrument :
MSVOA_Y
ClientSampled :
VSTD00577

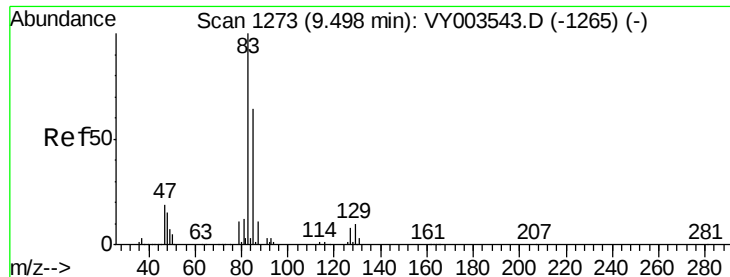
Tgt Ion: 83 Resp: 26584
Ion Ratio Lower Upper
83 100
55 76.4 60.8 91.2
98 51.6 40.6 61.0



#40
1,2-Dichloropropane
Concen: 5.050 ug/L
RT: 9.22 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VY003542.D
Acq: 19 Nov 2020 11:47

Tgt Ion: 63 Resp: 17435
Ion Ratio Lower Upper
63 100
112 4.6 3.5 5.3





#41

Bromodichloromethane

Concen: 4.942 ug/L

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY003542.D

Acq: 19 Nov 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00577

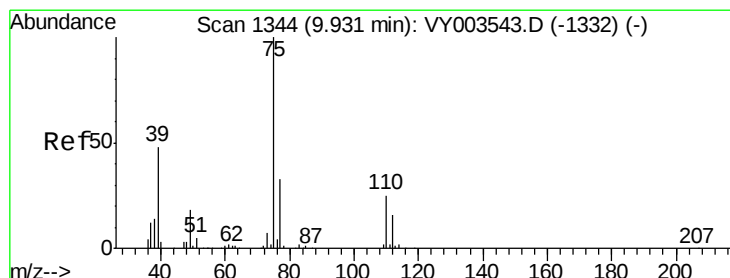
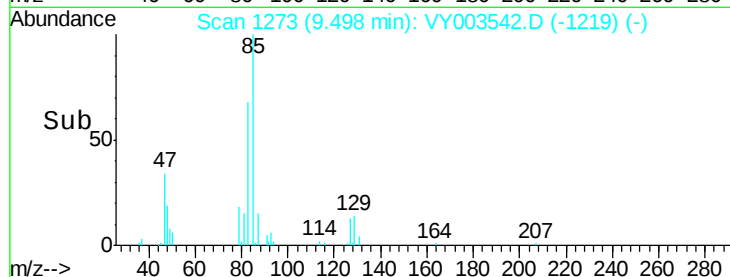
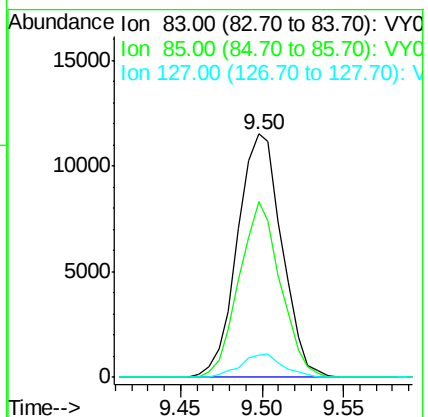
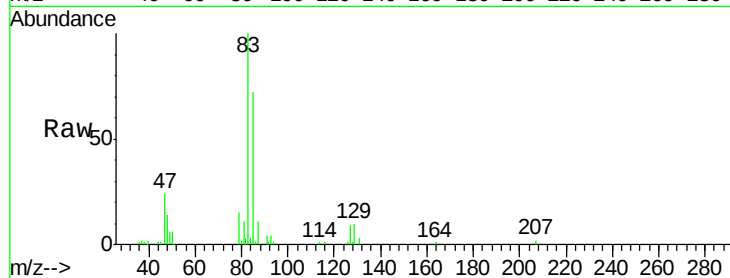
Tgt Ion: 83 Resp: 21856

Ion Ratio Lower Upper

83 100

85 72.0 45.1 83.7

127 9.3 6.8 10.2



#42

cis-1,3-Dichloropropene

Concen: 4.916 ug/L

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY003542.D

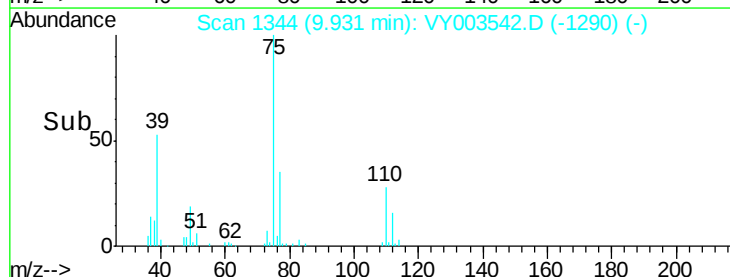
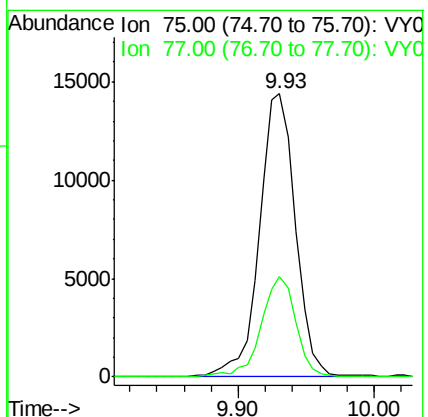
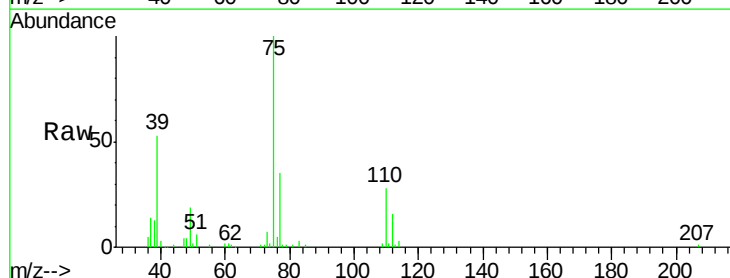
Acq: 19 Nov 2020 11:47

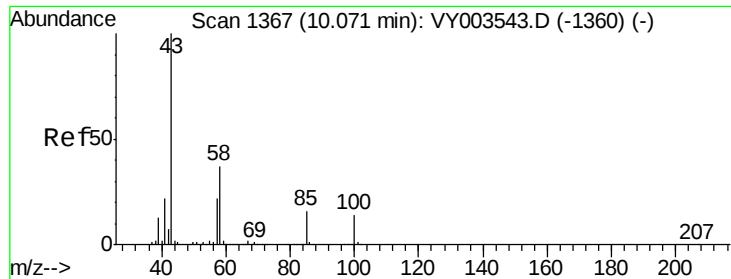
Tgt Ion: 75 Resp: 26685

Ion Ratio Lower Upper

75 100

77 35.4 23.2 43.0





#43

4-Methyl-2-pentanone

Concen: 9.239 ug/L

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY003542.D

Acq: 19 Nov 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00577

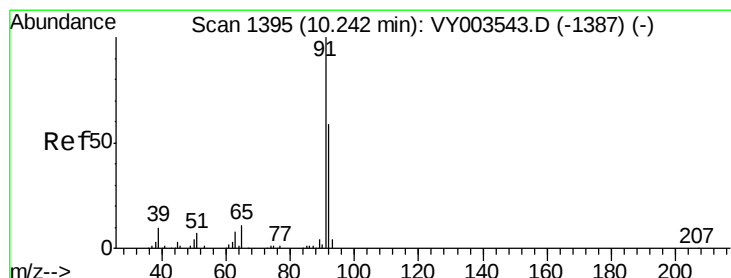
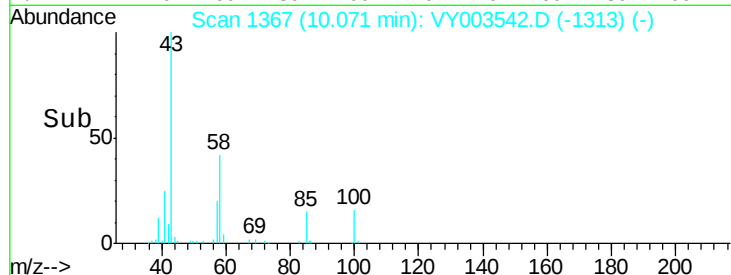
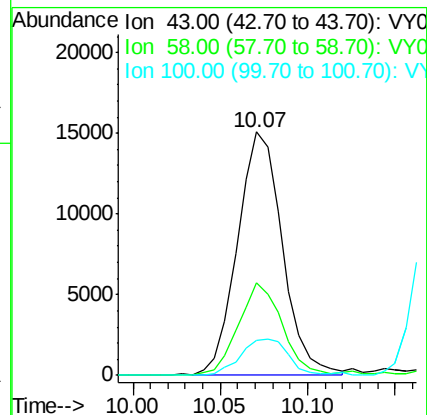
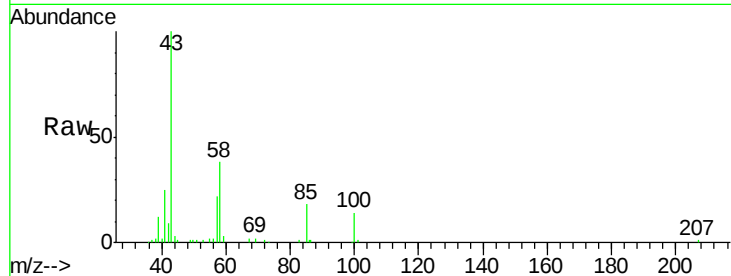
Tgt Ion: 43 Resp: 27099

Ion Ratio Lower Upper

43 100

58 36.8 30.2 45.2

100 15.6 11.7 17.5



#44

Toluene

Concen: 5.133 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003542.D

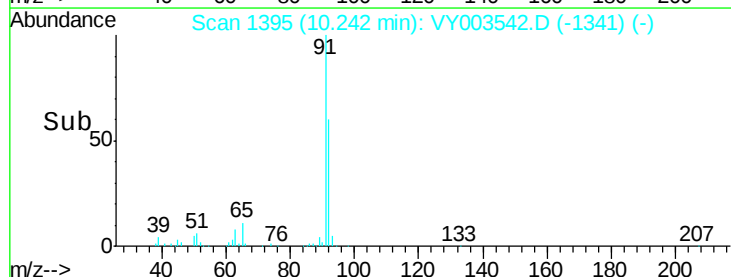
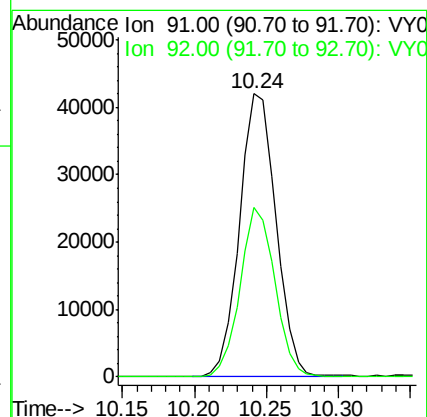
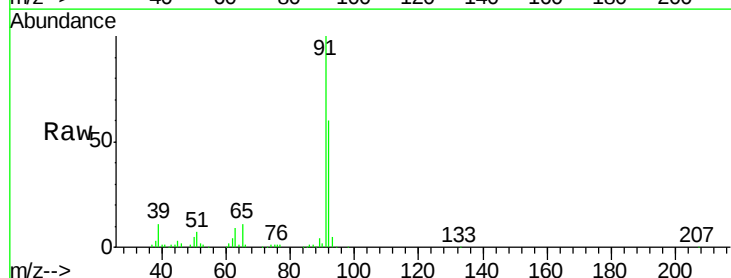
Acq: 19 Nov 2020 11:47

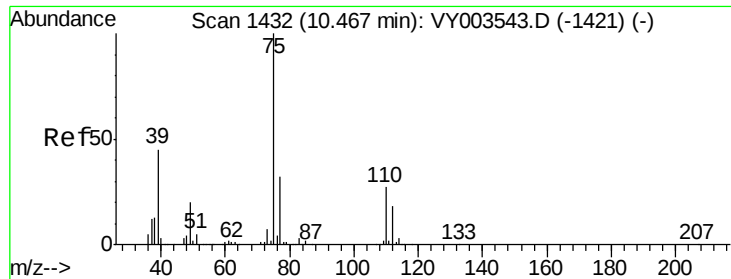
Tgt Ion: 91 Resp: 74217

Ion Ratio Lower Upper

91 100

92 59.6 41.0 76.2





#45

trans-1,3-Dichloropropene

Concen: 4.920 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003542.D

Acq: 19 Nov 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

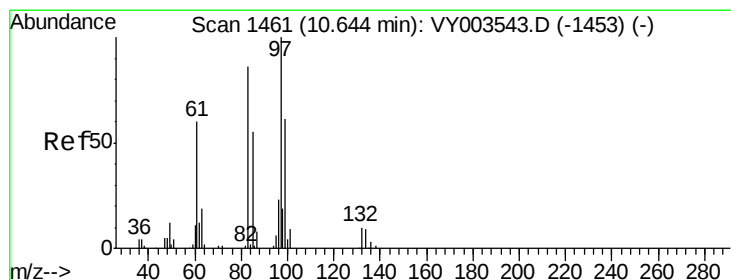
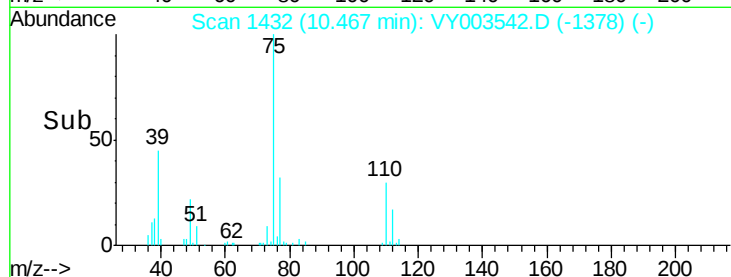
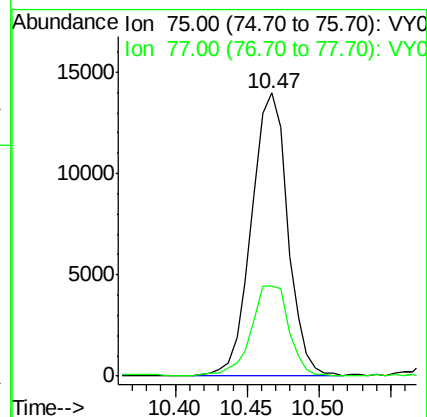
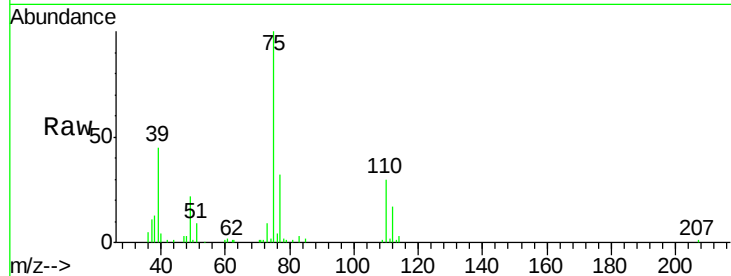
VSTD00577

Tgt Ion: 75 Resp: 24359

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



#46

1,1,2-Trichloroethane

Concen: 5.055 ug/L

RT: 10.64 min Scan# 1461

Delta R.T. -0.00 min

Lab File: VY003542.D

Acq: 19 Nov 2020 11:47

Tgt Ion: 97 Resp: 14011

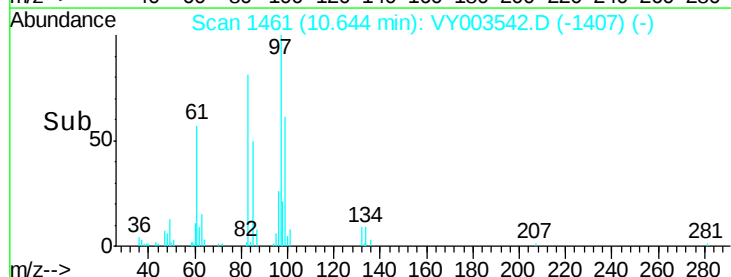
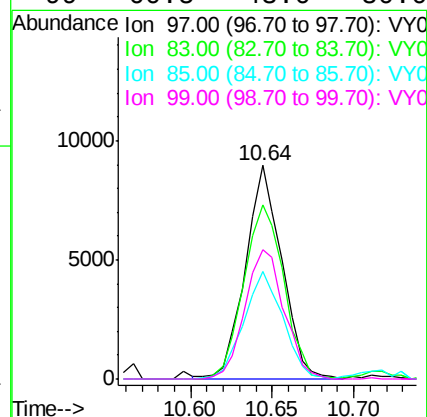
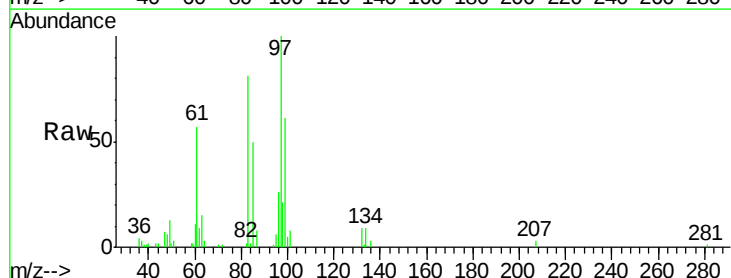
Ion Ratio Lower Upper

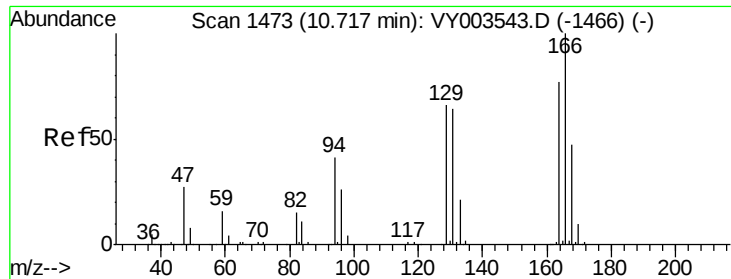
97 100

83 81.5 60.1 111.5

85 50.4 38.9 72.2

99 60.5 43.0 80.0





#47

Tetrachloroethene

Concen: 4.956 ug/L

RT: 10.72 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VY003542.D

Acq: 19 Nov 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00577

Tgt Ion:164 Resp: 15252

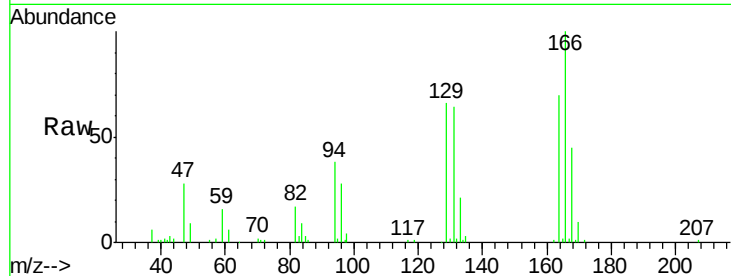
Ion Ratio Lower Upper

164 100

129 97.0 60.6 112.6

131 92.4 58.7 109.1

166 143.3 91.2 169.4

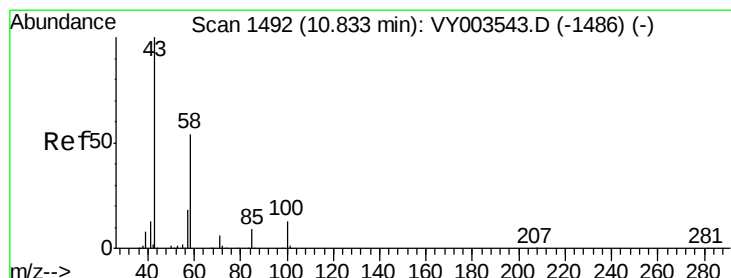
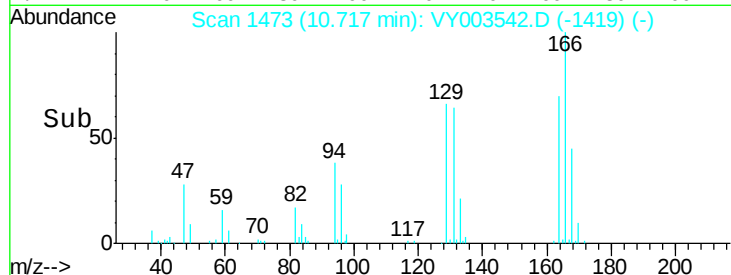
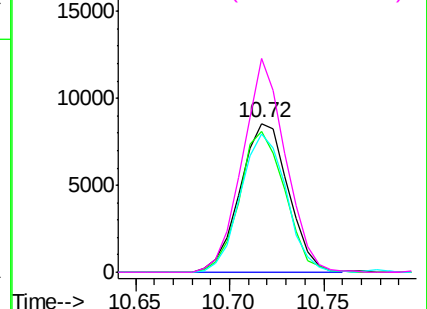


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

2-Hexanone

Concen: 10.340 ug/L

RT: 10.83 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VY003542.D

Acq: 19 Nov 2020 11:47

Tgt Ion: 43 Resp: 22466

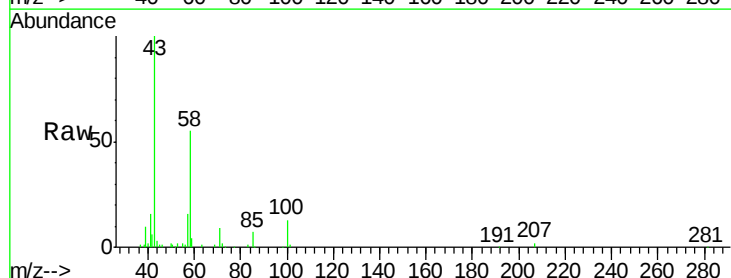
Ion Ratio Lower Upper

43 100

58 50.1 42.1 63.1

57 16.2 14.2 21.2

100 11.4 9.5 14.3

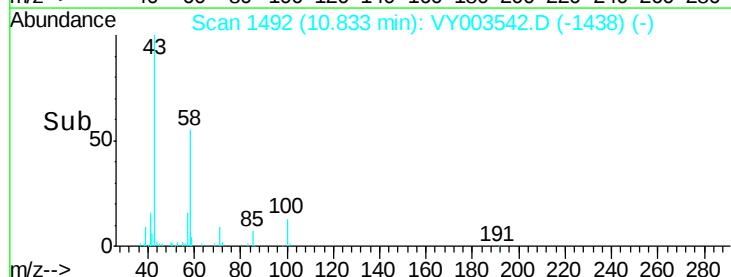
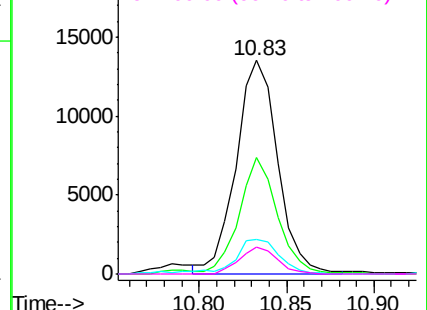


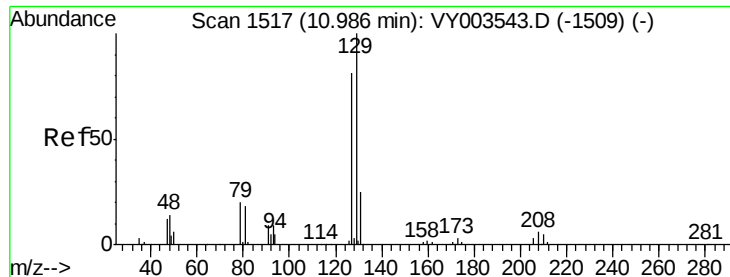
Abundance Ion 43.00 (42.70 to 43.70): VY0

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: 5.034 ug/L

RT: 10.99 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VY003542.D

Acq: 19 Nov 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

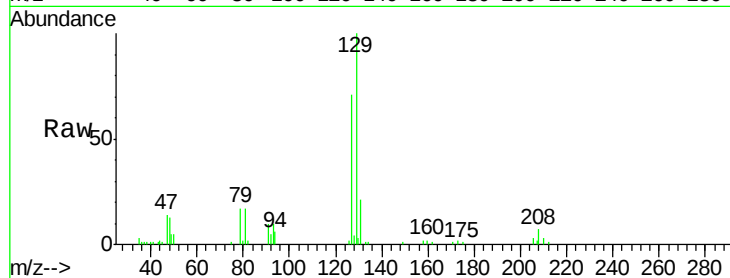
VSTD00577

Tgt Ion:129 Resp: 16427

Ion Ratio Lower Upper

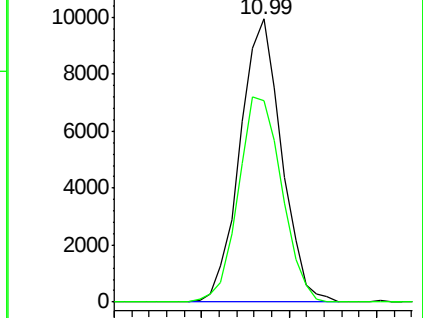
129 100

127 71.2 56.6 105.0

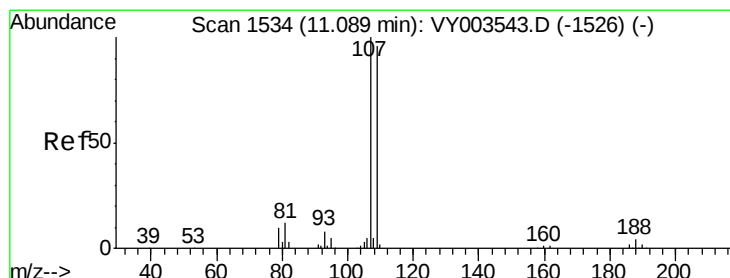
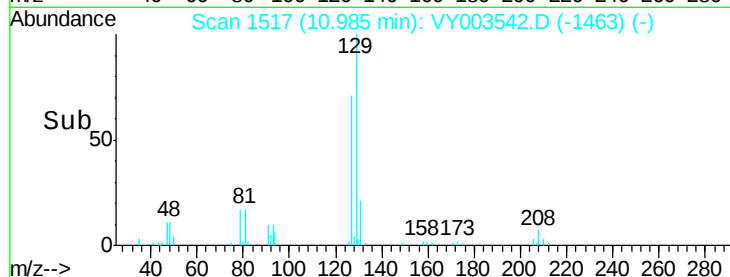


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time--> 10.90 10.95 11.00 11.05



#51

1,2-Dibromoethane

Concen: 4.978 ug/L

RT: 11.09 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VY003542.D

Acq: 19 Nov 2020 11:47

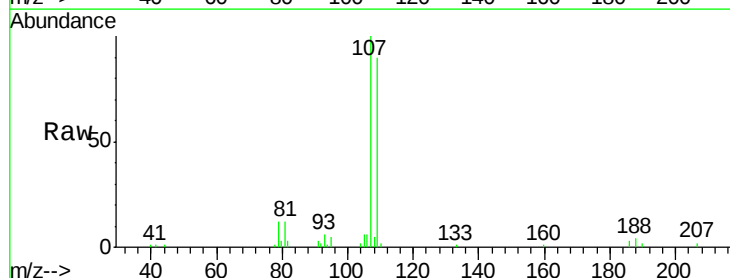
Tgt Ion:107 Resp: 13699

Ion Ratio Lower Upper

107 100

109 89.8 66.8 124.2

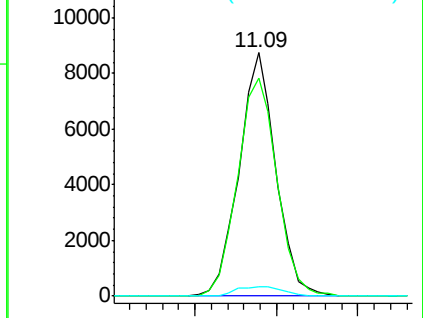
188 3.7 3.3 4.9



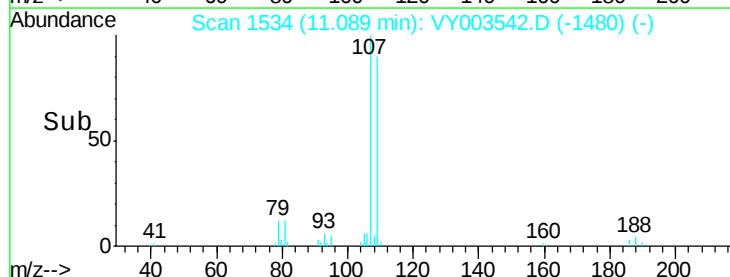
Abundance Ion 107.00 (106.70 to 107.70): V

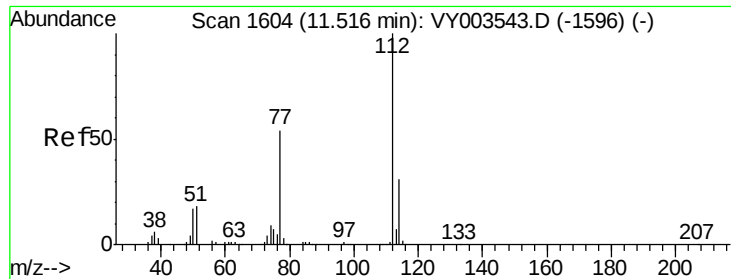
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



Time--> 11.05 11.10 11.15





#52

Chlorobenzene

Concen: 5.154 ug/L

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY003542.D

Acq: 19 Nov 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00577

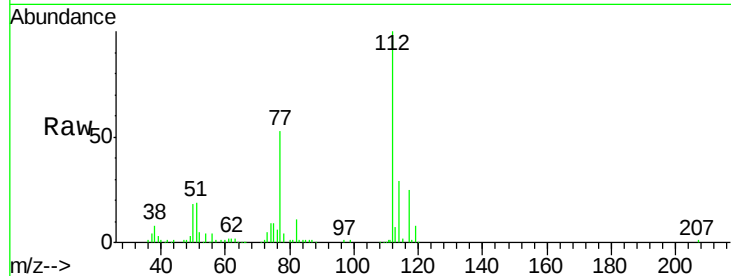
Tgt Ion: 112 Resp: 47809

Ion Ratio Lower Upper

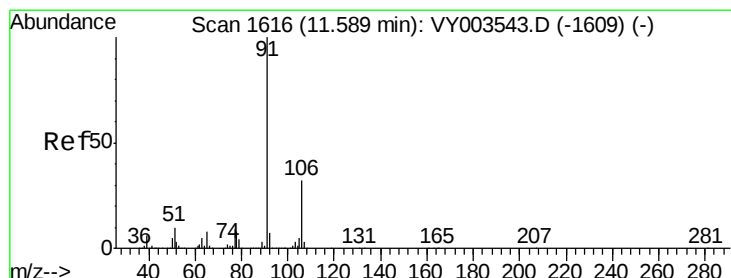
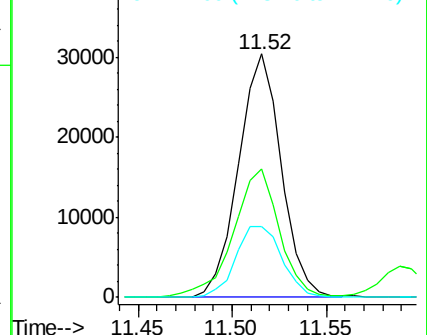
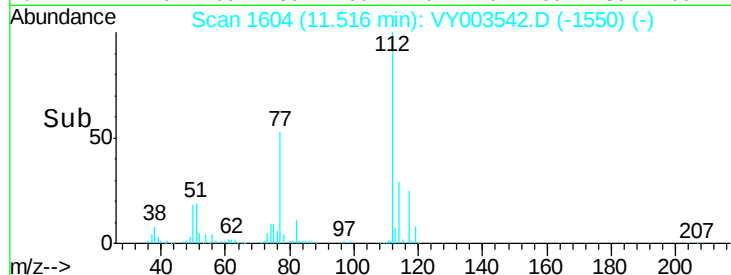
112 100

77 52.5 43.3 64.9

114 29.3 21.9 40.7



Abundance Ion 112.00 (111.70 to 112.70): VY003543.D (-1596) (-)



#53

Ethylbenzene

Concen: 5.016 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003542.D

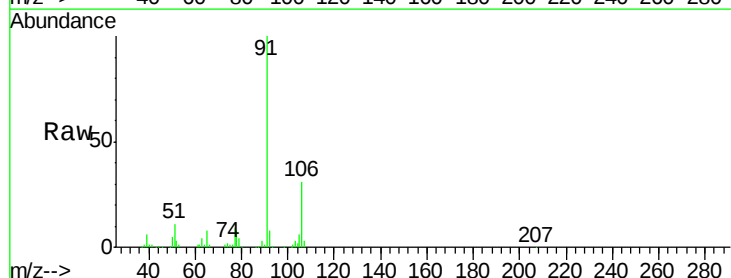
Acq: 19 Nov 2020 11:47

Tgt Ion: 91 Resp: 73674

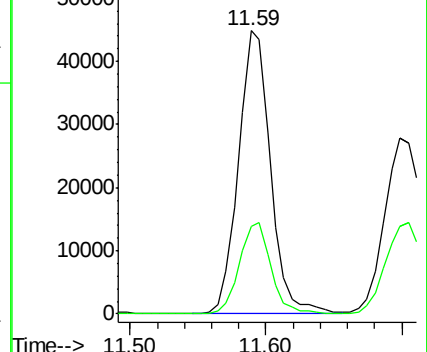
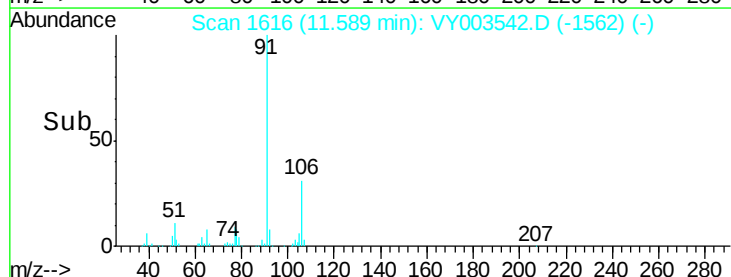
Ion Ratio Lower Upper

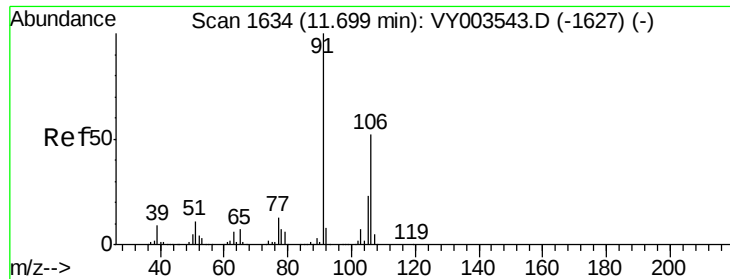
91 100

106 30.8 22.5 41.7



Abundance Ion 91.00 (90.70 to 91.70): VY003543.D (-1609) (-)





#54

m,p-Xylene

Concen: 4.874 ug/L

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY003542.D

Acq: 19 Nov 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

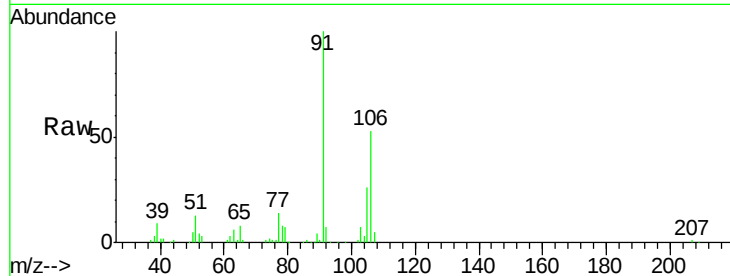
VSTD00577

Tgt Ion:106 Resp: 27905

Ion Ratio Lower Upper

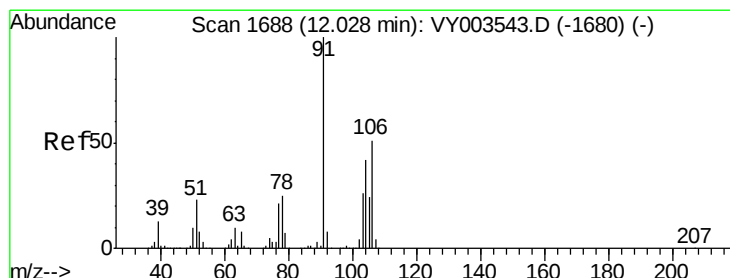
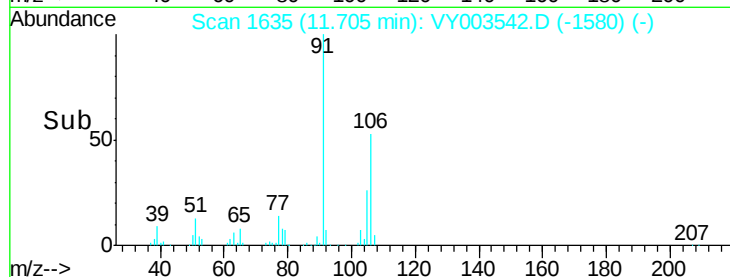
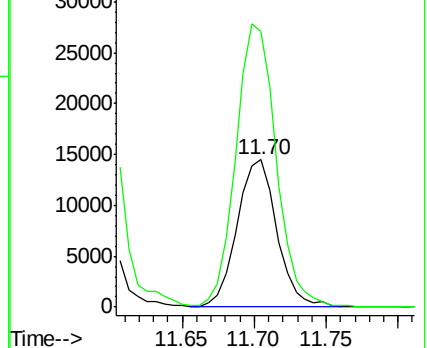
106 100

91 187.1 135.6 251.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

o-xylene

Concen: 4.830 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VY003542.D

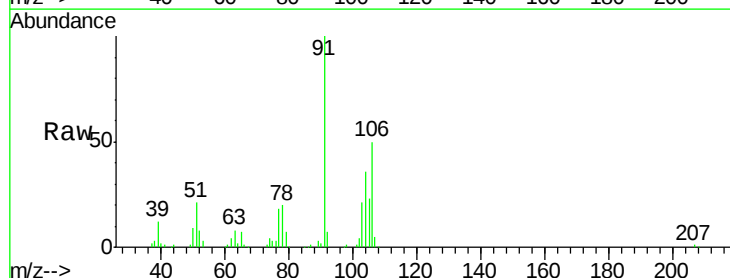
Acq: 19 Nov 2020 11:47

Tgt Ion:106 Resp: 23254

Ion Ratio Lower Upper

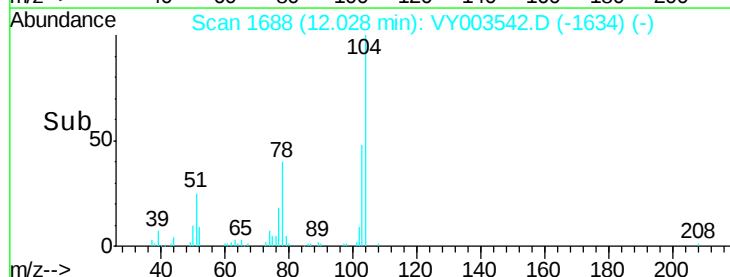
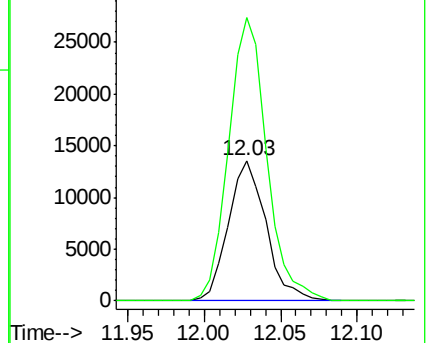
106 100

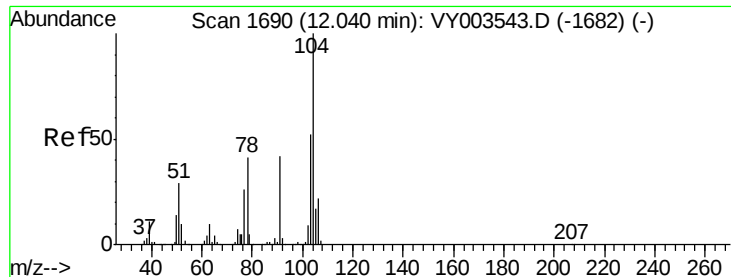
91 201.8 138.3 256.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#56

Styrene

Concen: 4.938 ug/L

RT: 12.05 min Scan# 1691

Delta R.T. 0.01 min

Lab File: VY003542.D

Acq: 19 Nov 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

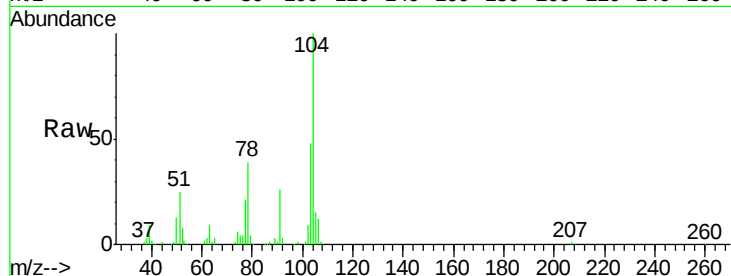
VSTD00577

Tgt Ion:104 Resp: 46171

Ion Ratio Lower Upper

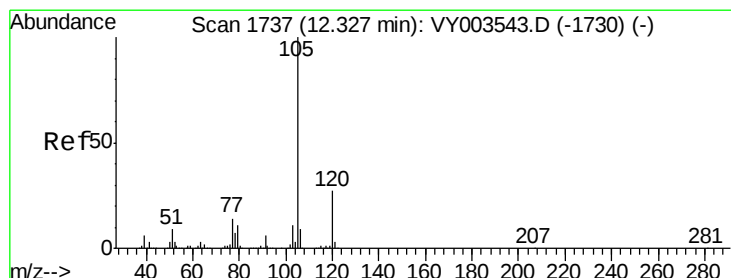
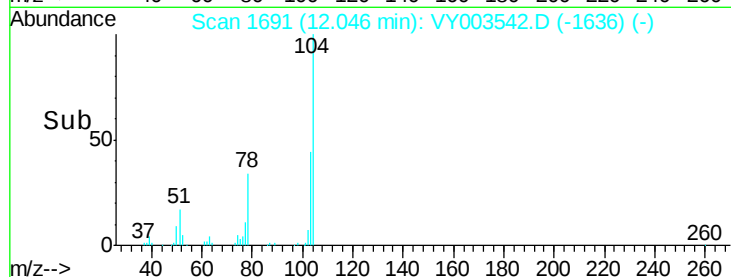
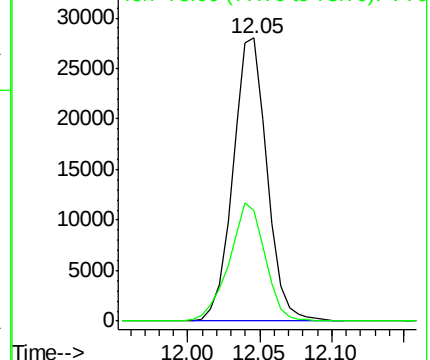
104 100

78 39.0 28.8 53.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0



#57

Isopropylbenzene

Concen: 4.927 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003542.D

Acq: 19 Nov 2020 11:47

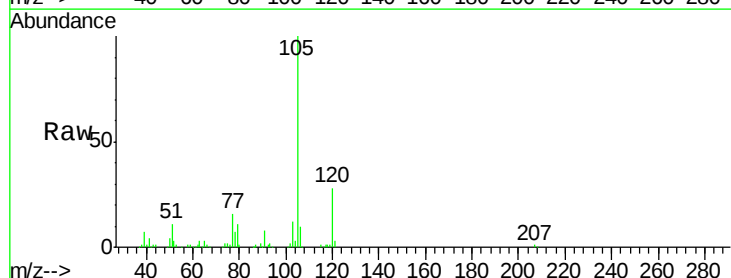
Tgt Ion:105 Resp: 52287

Ion Ratio Lower Upper

105 100

120 28.6 21.7 32.5

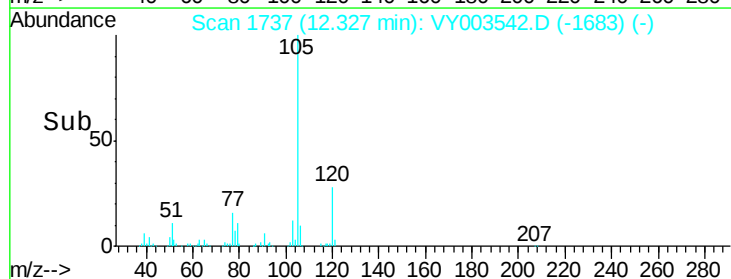
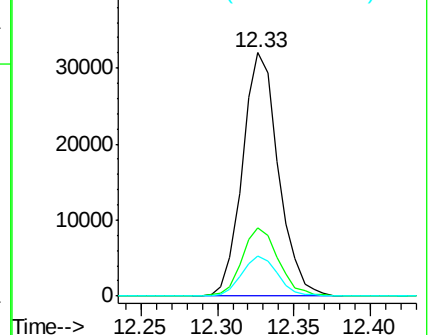
77 16.4 12.1 18.1

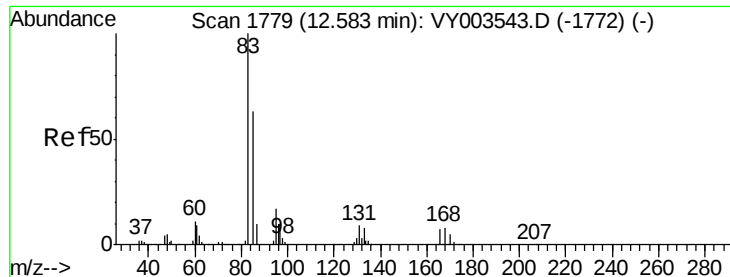


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VY0





#58

1,1,2,2-Tetrachloroethane

Concen: 5.030 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003542.D

Acq: 19 Nov 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00577

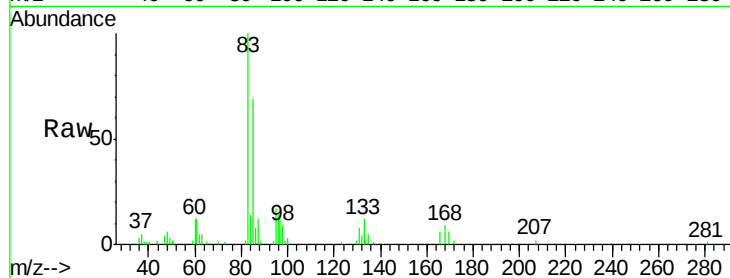
Tgt Ion: 83 Resp: 15565

Ion Ratio Lower Upper

83 100

85 69.4 44.8 83.2

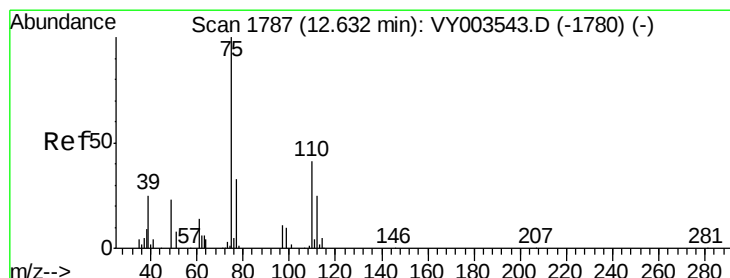
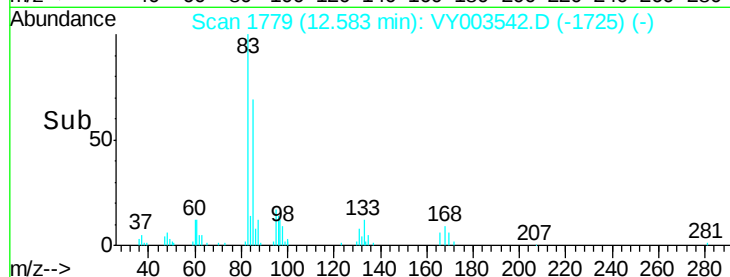
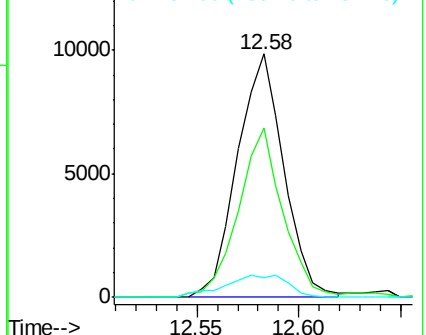
131 7.9 7.3 10.9



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): VY0



#59

1,2,3-Trichloropropane

Concen: 5.331 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY003542.D

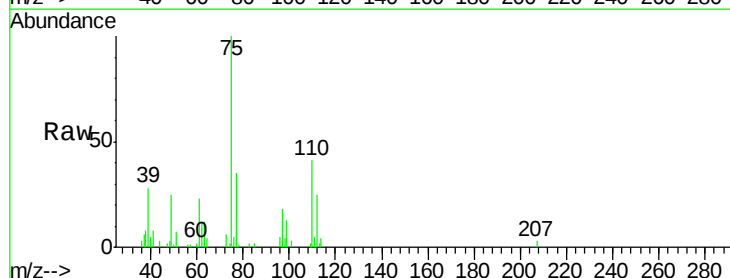
Acq: 19 Nov 2020 11:47

Tgt Ion: 75 Resp: 12852

Ion Ratio Lower Upper

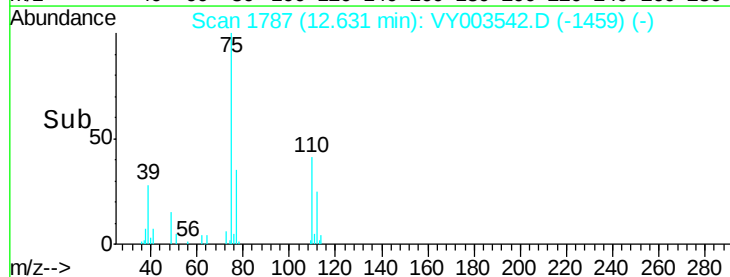
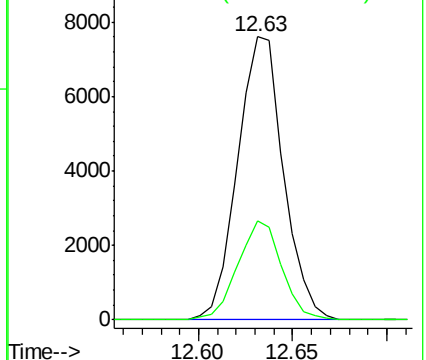
75 100

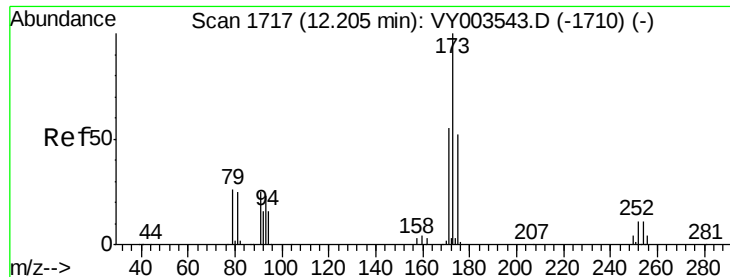
77 33.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

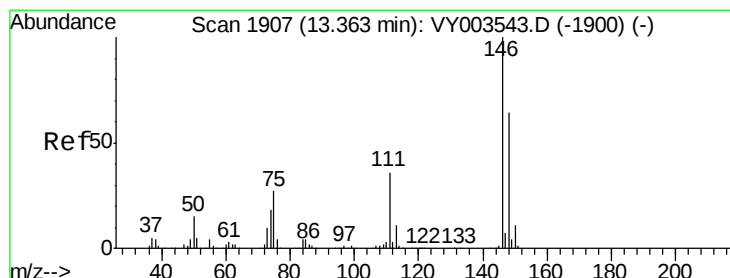
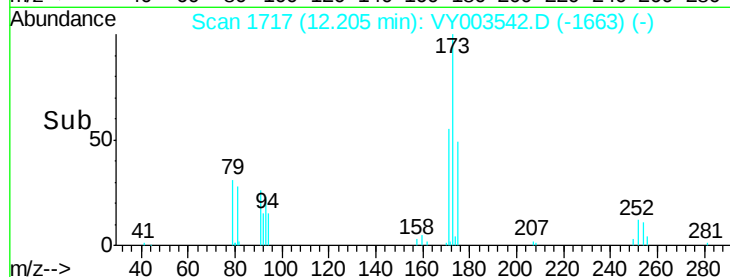
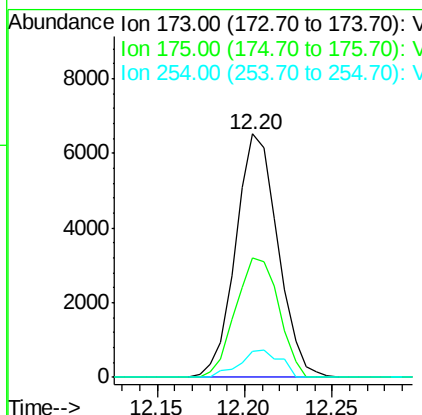
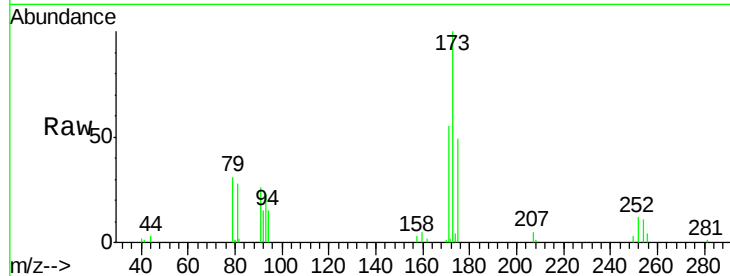




#62
Bromoform
Concen: 5.000 ug/L
RT: 12.20 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VY003542.D
Acq: 19 Nov 2020 11:47

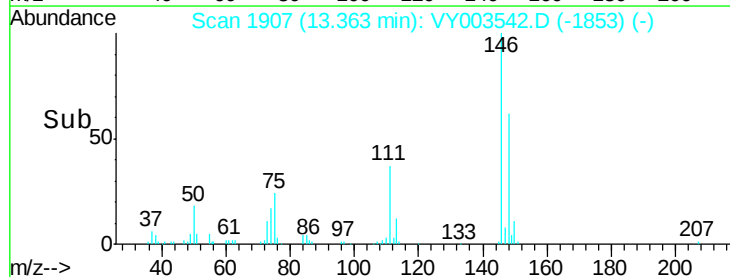
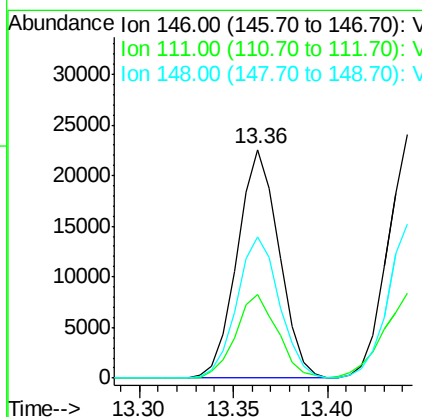
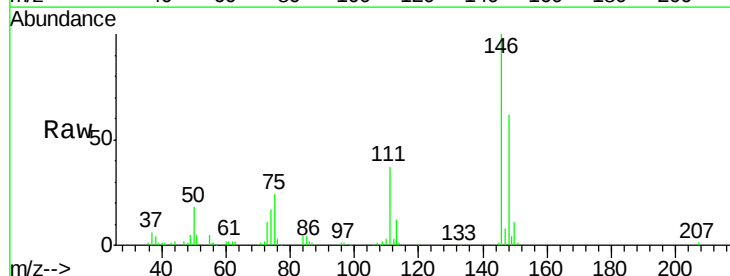
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00577

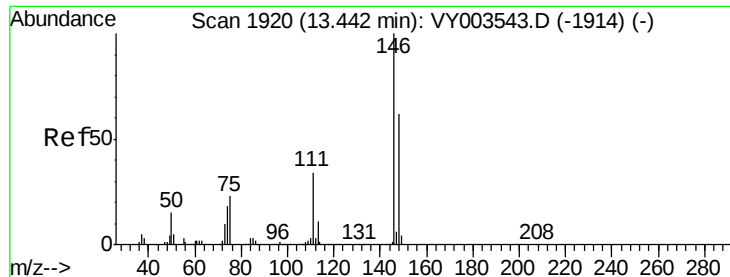
Tgt Ion:173 Resp: 10937
Ion Ratio Lower Upper
173 100
175 50.2 39.5 59.3
254 10.6 8.6 12.8



#63
1,3-Dichlorobenzene
Concen: 5.184 ug/L
RT: 13.36 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VY003542.D
Acq: 19 Nov 2020 11:47

Tgt Ion:146 Resp: 34746
Ion Ratio Lower Upper
146 100
111 36.6 25.1 46.5
148 61.8 44.7 82.9

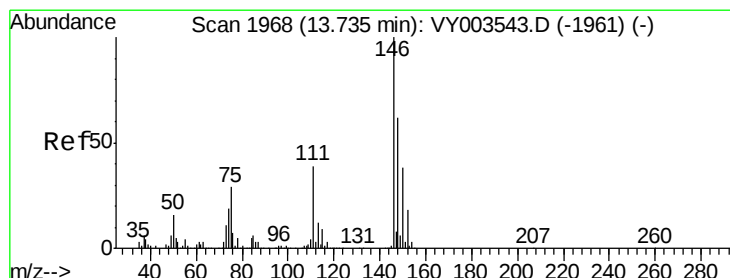
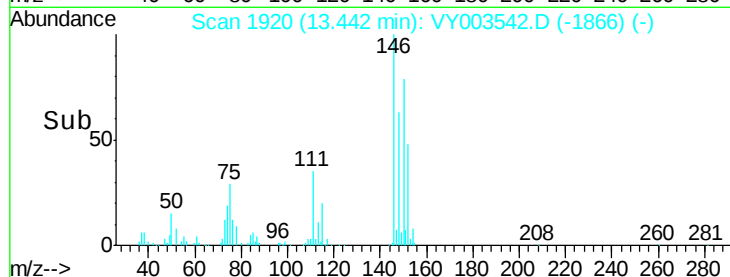
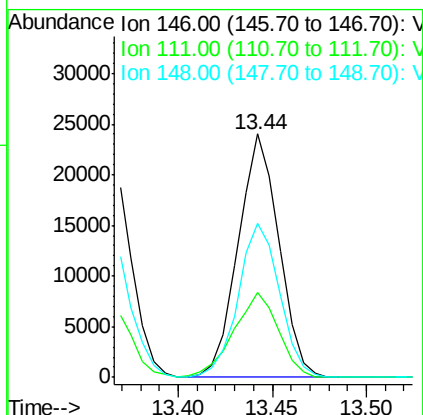
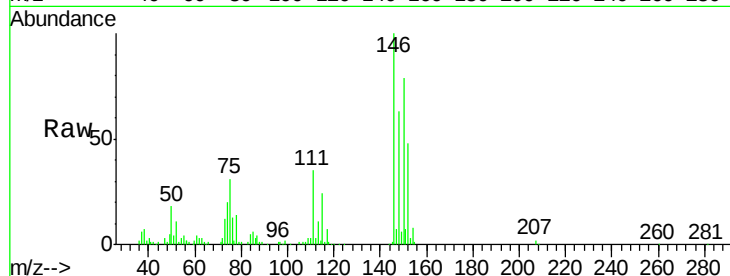




#64
 1,4-Dichlorobenzene
 Concen: 5.230 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003542.D
 Acq: 19 Nov 2020 11:47

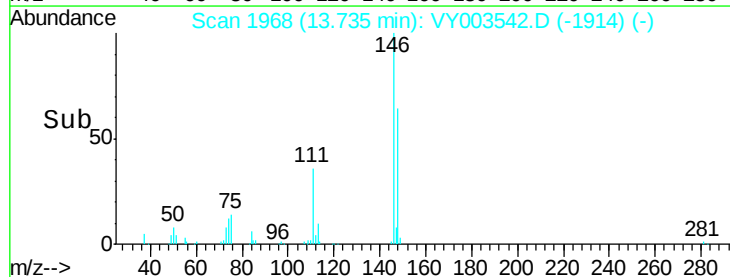
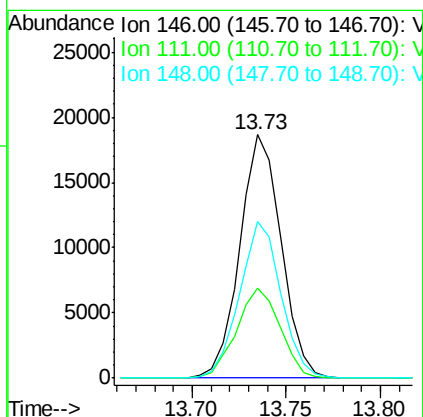
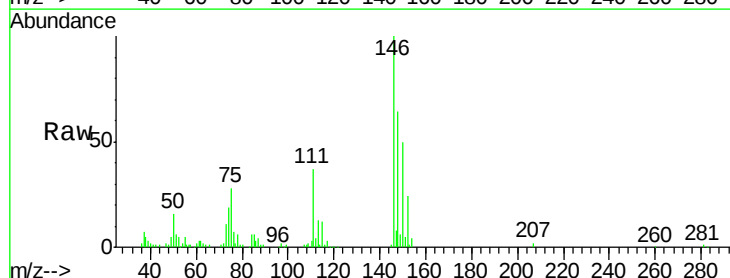
Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD00577

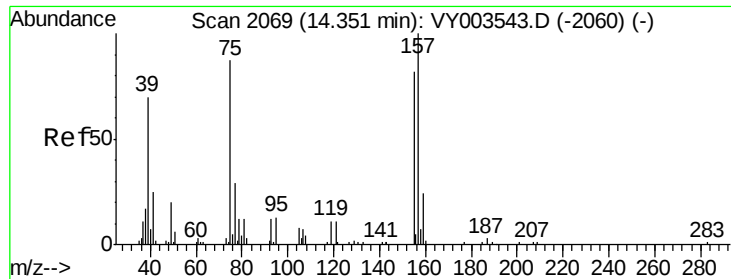
Tgt Ion:146 Resp: 36068
 Ion Ratio Lower Upper
 146 100
 111 34.8 24.1 44.8
 148 63.2 43.6 81.0



#65
 1,2-Dichlorobenzene
 Concen: 5.161 ug/L
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY003542.D
 Acq: 19 Nov 2020 11:47

Tgt Ion:146 Resp: 28412
 Ion Ratio Lower Upper
 146 100
 111 36.8 31.0 46.6
 148 64.3 49.8 74.8

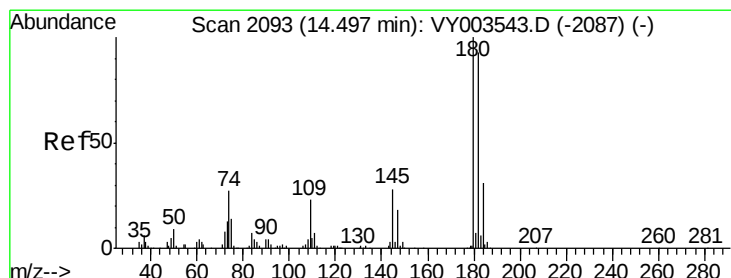
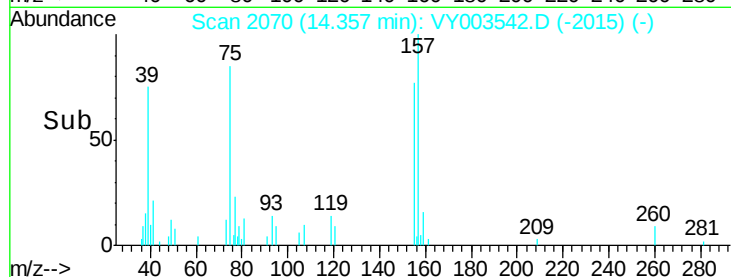
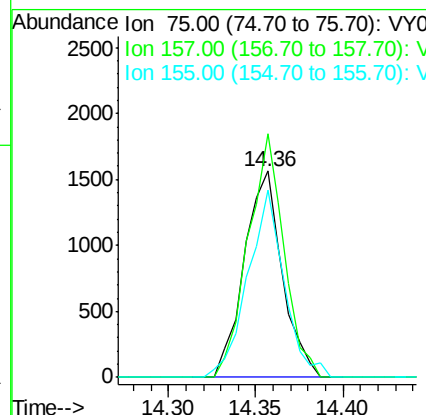
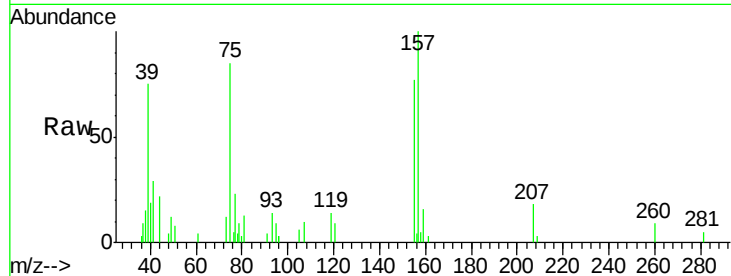




#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.472 ug/L
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.01 min
 Lab File: VY003542.D
 Acq: 19 Nov 2020 11:47

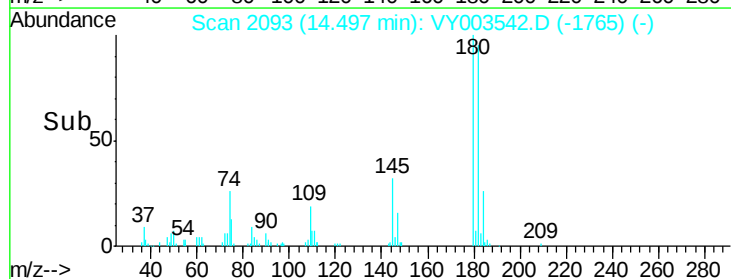
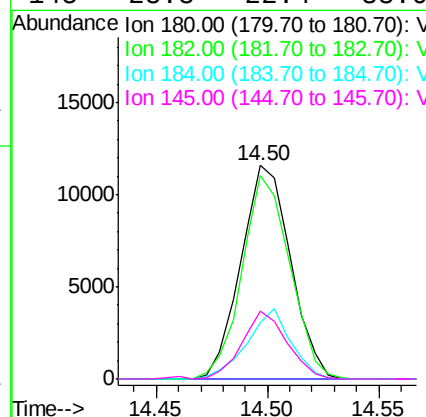
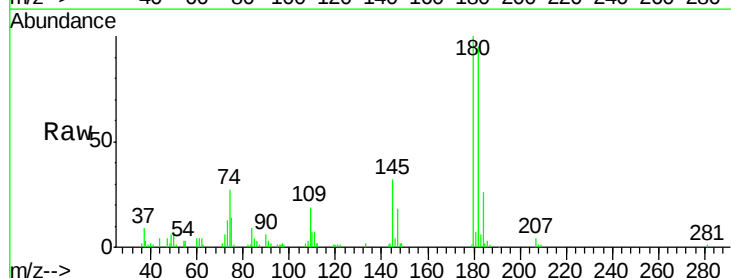
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00577

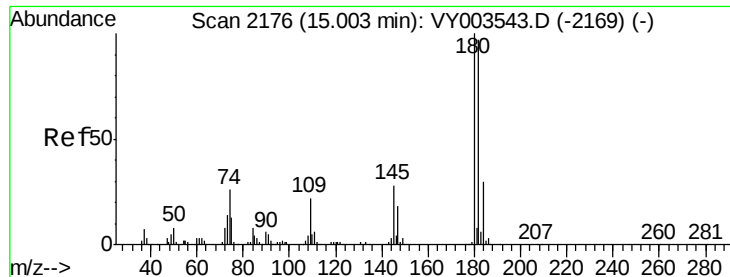
Tgt Ion: 75 Resp: 2365
 Ion Ratio Lower Upper
 75 100
 157 118.0 91.8 137.6
 155 91.0 75.7 113.5



#67
 1,3,5-Trichlorobenzene
 Concen: 5.151 ug/L
 RT: 14.50 min Scan# 2093
 Delta R.T. -0.00 min
 Lab File: VY003542.D
 Acq: 19 Nov 2020 11:47

Tgt Ion: 180 Resp: 18058
 Ion Ratio Lower Upper
 180 100
 182 91.6 77.3 115.9
 184 29.1 24.4 36.6
 145 28.8 22.4 33.6

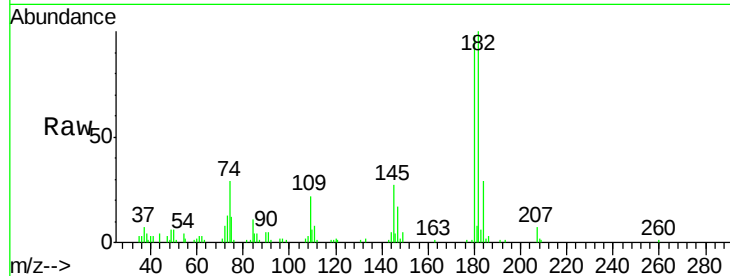




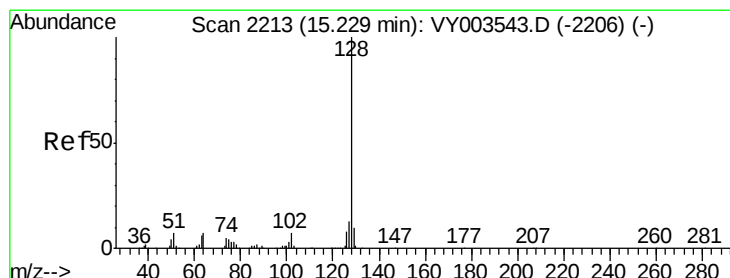
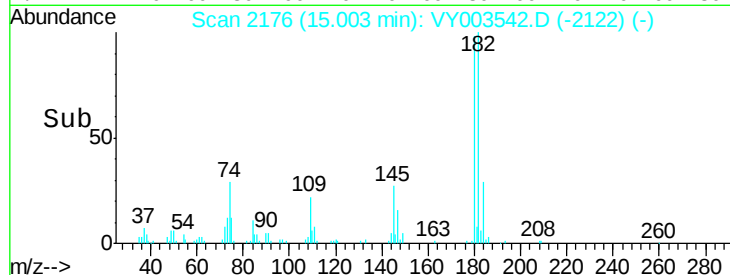
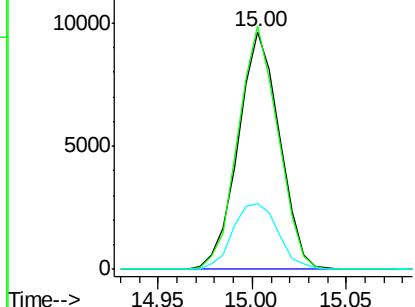
#68
 1,2,4-trichlorobenzene
 Concen: 4.825 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY003542.D
 Acq: 19 Nov 2020 11:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00577

Tgt Ion:180 Resp: 14677
 Ion Ratio Lower Upper
 180 100
 182 99.1 76.5 114.7
 145 30.5 22.8 34.2

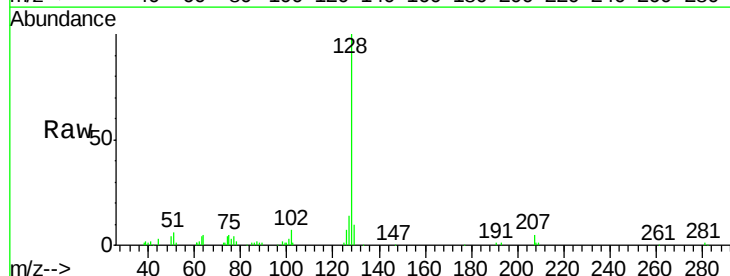


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

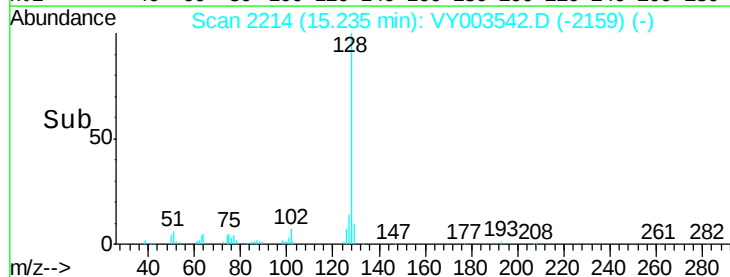
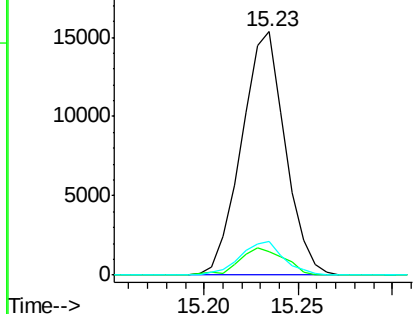


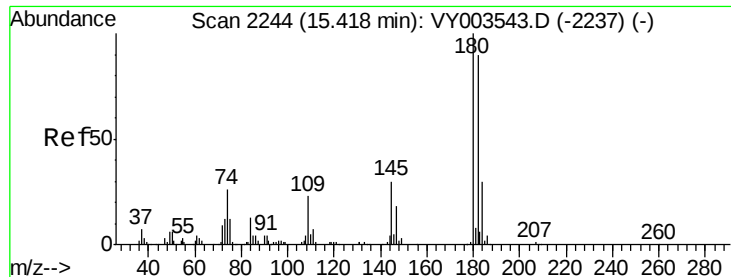
#69
 Naphthalene
 Concen: 4.578 ug/L
 RT: 15.23 min Scan# 2214
 Delta R.T. 0.01 min
 Lab File: VY003542.D
 Acq: 19 Nov 2020 11:47

Tgt Ion:128 Resp: 24669
 Ion Ratio Lower Upper
 128 100
 129 10.9 8.5 12.7
 127 13.8 10.2 15.2



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: 5.171 ug/L
 RT: 15.42 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VY003542.D
 Acq: 19 Nov 2020 11:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00577

Tgt Ion:180 Resp: 11913
 Ion Ratio Lower Upper
 180 100
 182 91.6 76.5 114.7
 145 28.7 25.2 37.8

