

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112320\
 Data File : VY003583.D
 Acq On : 23 Nov 2020 10:23
 Operator : SY/MD
 Sample : VSTD2.532
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5402

Quant Time: Nov 23 11:40:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL112320SMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 23 11:38:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	226993	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	207756	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	101146	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	8679	2.64	ug/L	0.00
7) Chloroethane-d5	2.77	69	6798	2.59	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.85	63	17830	2.97	ug/L	0.00
21) 2-Butanone-d5	6.91	46	6746	5.81	ug/L	0.00
24) Chloroform-d	7.48	84	16998	3.33	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.14	65	9883	2.96	ug/L	0.00
32) Benzene-d6	8.11	84	35862	3.15	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.12	67	10976	3.08	ug/L	0.00
41) Toluene-d8	10.17	98	30967	2.89	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.43	79	4832	2.84	ug/L	0.00
47) 2-Hexanone-d5	10.78	63	4451	5.18	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	8688	2.75	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	8982	2.39	ug/L	0.00

Target Compounds

					Qvalue
3) Chloromethane	2.11	50	6627	1.613 ug/L	97
5) Vinyl chloride	2.26	62	8505	1.822 ug/L	99
6) Bromomethane	2.66	94	6304	2.255 ug/L	98
8) Chloroethane	2.80	64	5120	1.973 ug/L	100
9) Trichlorofluoromethane	3.12	101	5890	1.172 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	8215	2.507 ug/L #	73
12) 1,1-Dichloroethene	3.87	96	8783	2.801 ug/L	83
13) Acetone	3.97	43	5467	6.793 ug/L	92
14) Carbon disulfide	4.19	76	28109	2.558 ug/L	99
15) Methyl Acetate	4.49	43	6383	3.254 ug/L #	83
16) Methylene chloride	4.72	84	16358	4.158 ug/L	96
17) trans-1,2-Dichloroethene	5.22	96	9596	2.839 ug/L	93
18) Methyl tert-butyl Ether	5.23	73	13218	1.735 ug/L #	91
19) 1,1-Dichloroethane	6.02	63	15767	2.671 ug/L #	91
20) cis-1,2-Dichloroethene	6.99	96	9575	2.704 ug/L	99
22) 2-Butanone	7.00	43	8693	6.676 ug/L	95
23) Bromochloromethane	7.35	128	4754	2.783 ug/L #	79
25) Chloroform	7.51	83	16171	2.408 ug/L	87
27) 1,2-Dichloroethane	8.24	62	10989	2.693 ug/L #	89
29) Cyclohexane	7.78	56	12767	2.347 ug/L	98
30) 1,1,1-Trichloroethane	7.71	97	11983	2.303 ug/L	96
31) Carbon tetrachloride	7.90	117	11717	2.485 ug/L	94
33) Benzene	8.16	78	37626	2.872 ug/L	100
34) Trichloroethene	8.94	95	9346	2.686 ug/L	90
35) Methylcyclohexane	9.18	83	13546	2.346 ug/L	98
37) 1,2-Dichloropropane	9.21	63	9532	2.884 ug/L	98
38) Bromodichloromethane	9.50	83	12085	2.788 ug/L	97
39) cis-1,3-Dichloropropene	9.92	75	13452	2.563 ug/L	94
40) 4-Methyl-2-pentanone	10.07	43	14281	5.326 ug/L	100
42) Toluene	10.24	91	37876	2.676 ug/L	98

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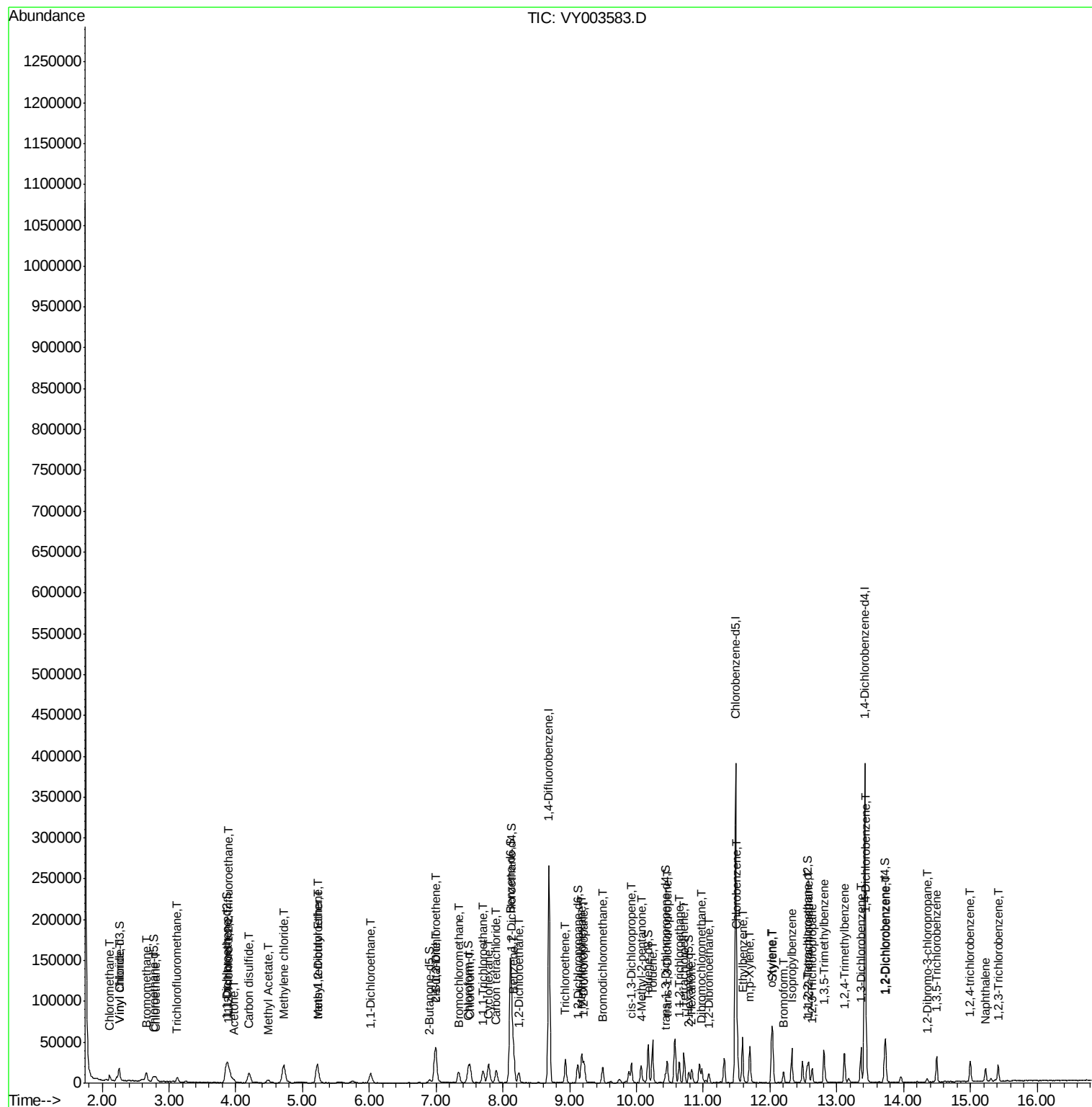
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	10.46	75	12986	2.702	ug/L	99
45) 1,1,2-Trichloroethane	10.64	97	7305	2.789	ug/L	91
46) Tetrachloroethene	10.72	164	8370	2.696	ug/L	93
48) 2-Hexanone	10.83	43	10503	5.428	ug/L	98
49) Dibromochloromethane	10.98	129	8538	2.663	ug/L	97
50) 1,2-Dibromoethane	11.09	107	6943	2.761	ug/L	90
51) Chlorobenzene	11.51	112	24219	2.627	ug/L	96
52) Ethylbenzene	11.59	91	36554	2.355	ug/L	95
53) m,p-Xylene	11.69	106	14104	2.376	ug/L	82
54) o-Xylene	12.02	106	11655	2.074	ug/L	97
55) Styrene	12.04	104	22142	2.241	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.58	83	8575	2.766	ug/L	98
59) Bromoform	12.20	173	5790	2.849	ug/L #	38
60) Isopropylbenzene	12.33	105	26790	2.007	ug/L	98
61) 1,2,3-Trichloropropane	12.63	75	6749	3.025	ug/L	95
62) 1,3,5-Trimethylbenzene	12.81	105	19615	1.811	ug/L	98
63) 1,2,4-Trimethylbenzene	13.12	105	19675	1.895	ug/L	97
64) 1,3-Dichlorobenzene	13.36	146	17506	2.572	ug/L	96
65) 1,4-Dichlorobenzene	13.44	146	19060	2.763	ug/L	97
67) 1,2-Dichlorobenzene	13.74	146	14723	2.396	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.36	75	1141	2.197	ug/L #	84
69) 1,3,5-Trichlorobenzene	14.50	180	9505	1.958	ug/L	99
70) 1,2,4-trichlorobenzene	15.00	180	7735	1.902	ug/L	98
71) Naphthalene	15.23	128	12299	1.677	ug/L #	96
72) 1,2,3-Trichlorobenzene	15.42	180	5651	1.640	ug/L	94

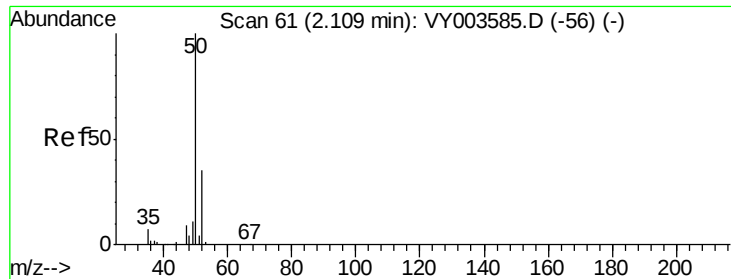
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.613 ug/L

RT: 2.11 min Scan# 61

Delta R.T. -0.00 min

Lab File: VY003583.D

Acq: 23 Nov 2020 10:23

Instrument :

MSVOA_Y

ClientSampleId :

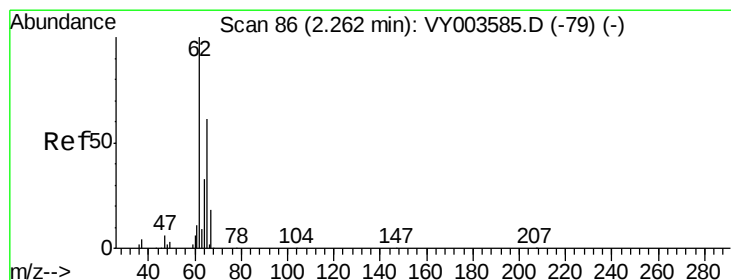
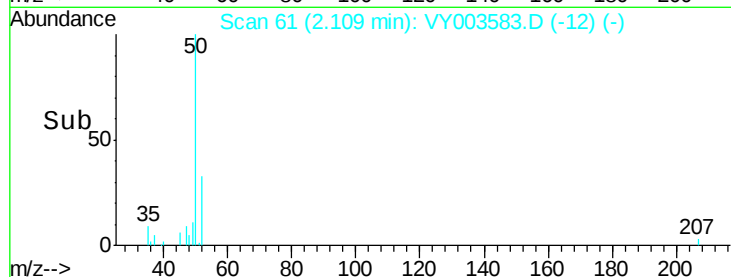
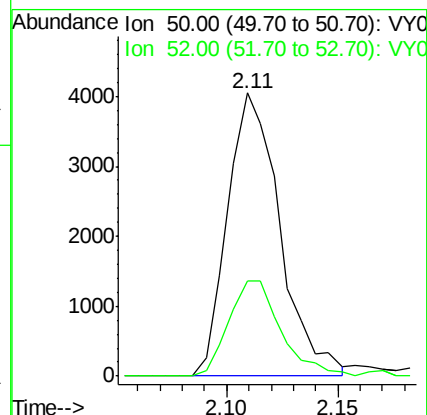
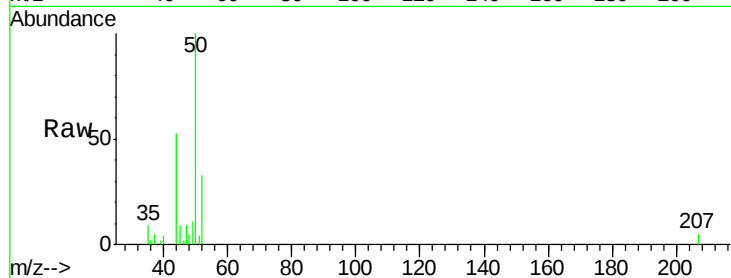
VSTD2.5402

Tgt Ion: 50 Resp: 6627

Ion Ratio Lower Upper

50 100

52 33.4 24.4 45.4



#5

Vinyl chloride

Concen: 1.822 ug/L

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY003583.D

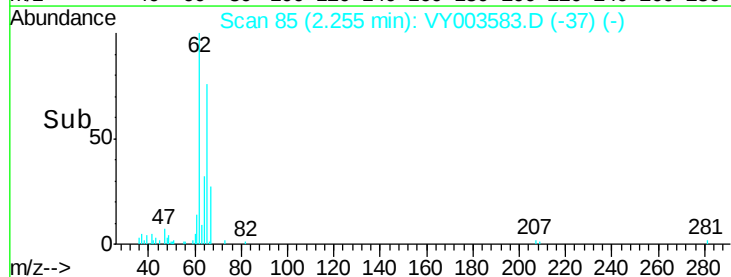
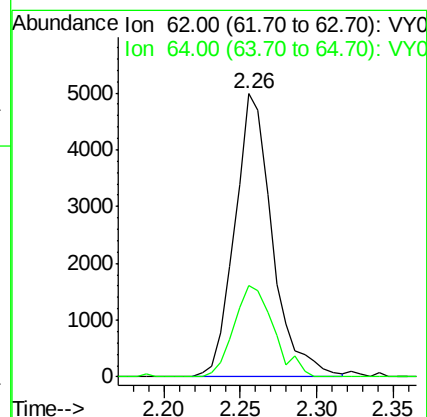
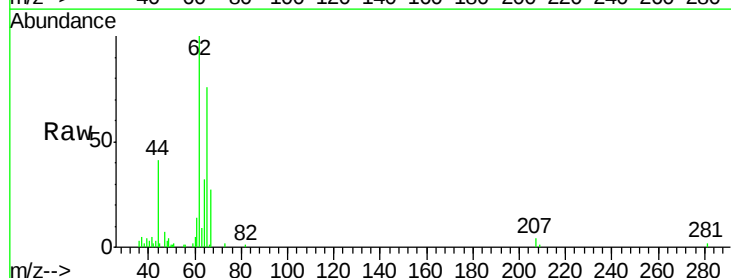
Acq: 23 Nov 2020 10:23

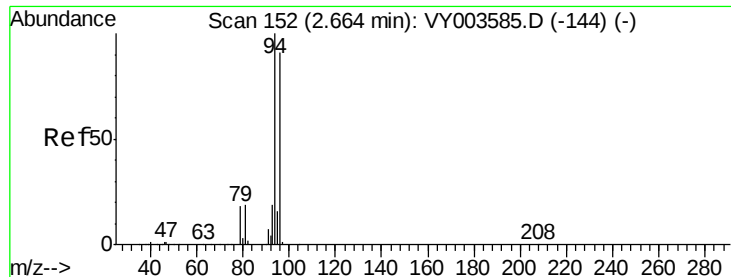
Tgt Ion: 62 Resp: 8505

Ion Ratio Lower Upper

62 100

64 32.2 23.0 42.6





#6

Bromomethane

Concen: 2.255 ug/L

RT: 2.66 min Scan# 152

Delta R.T. -0.00 min

Lab File: VY003583.D

Acq: 23 Nov 2020 10:23

Instrument :

MSVOA_Y

ClientSampleId :

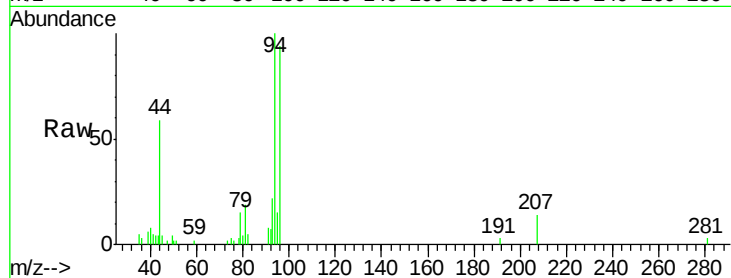
VSTD2.5402

Tgt Ion: 94 Resp: 6304

Ion Ratio Lower Upper

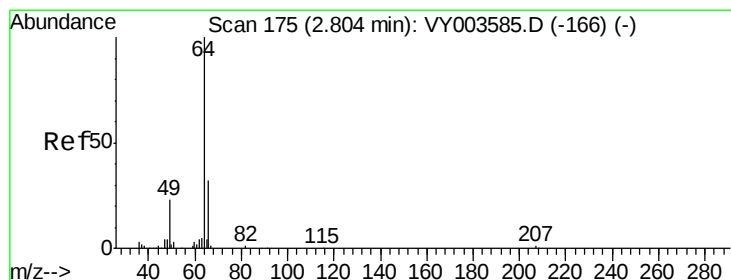
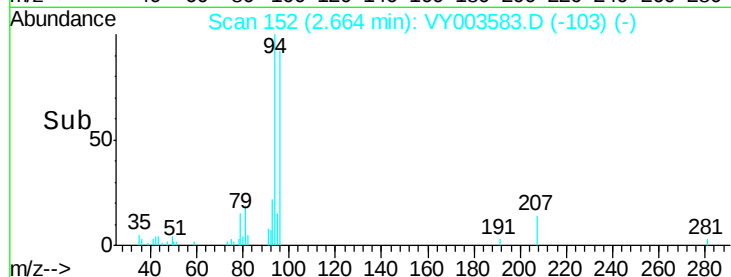
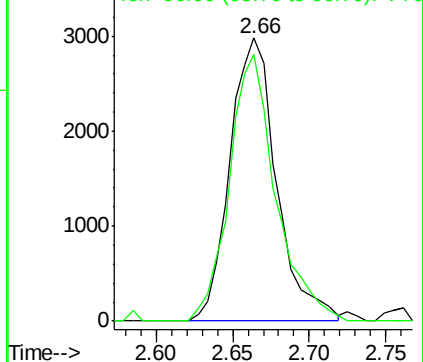
94 100

96 94.3 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0



#8

Chloroethane

Concen: 1.973 ug/L

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY003583.D

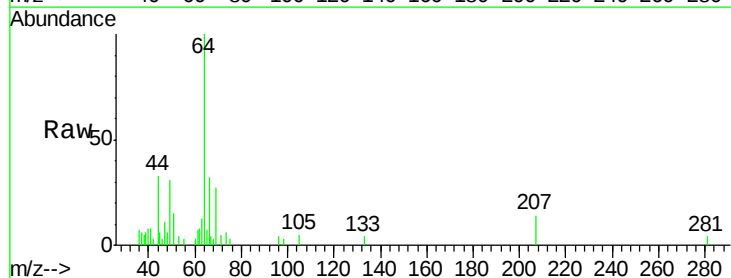
Acq: 23 Nov 2020 10:23

Tgt Ion: 64 Resp: 5120

Ion Ratio Lower Upper

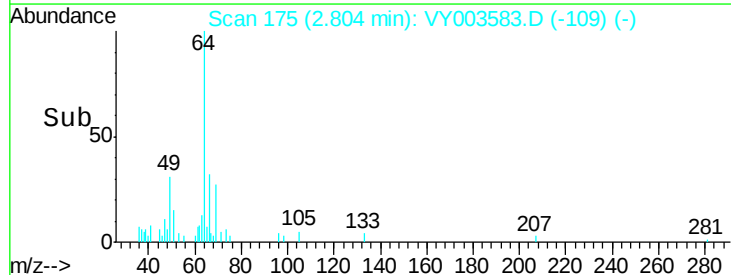
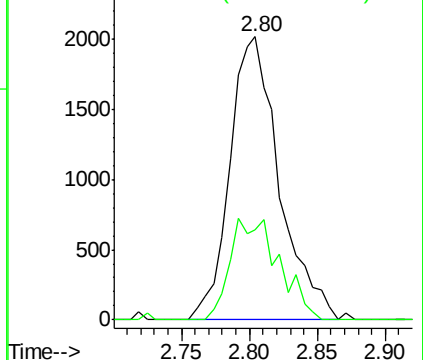
64 100

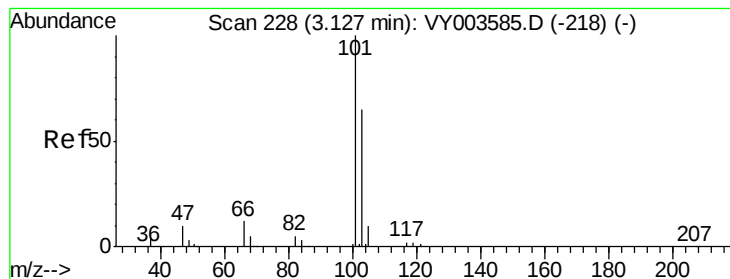
66 31.6 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0





#9

Trichlorofluoromethane

Concen: 1.172 ug/L

RT: 3.12 min Scan# 227

Delta R.T. -0.01 min

Lab File: VY003583.D

Acq: 23 Nov 2020 10:23

Instrument :

MSVOA_Y

ClientSampleId :

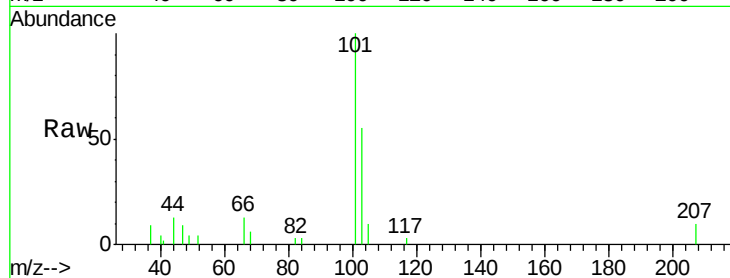
VSTD2.5402

Tgt Ion:101 Resp: 5890

Ion Ratio Lower Upper

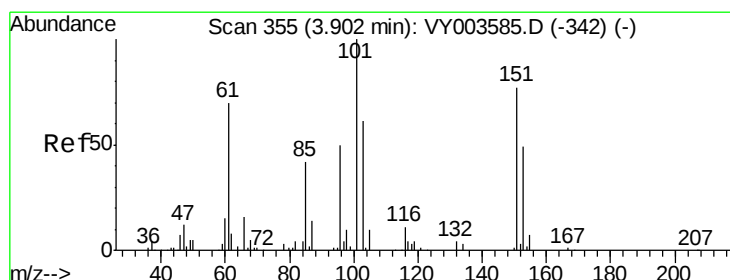
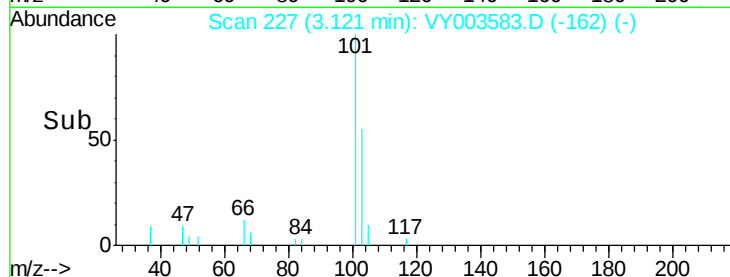
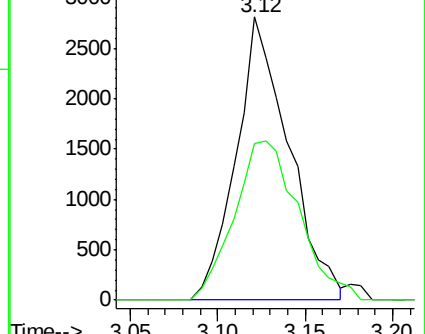
101 100

103 68.8 54.0 81.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 2.507 ug/L

RT: 3.90 min Scan# 355

Delta R.T. -0.00 min

Lab File: VY003583.D

Acq: 23 Nov 2020 10:23

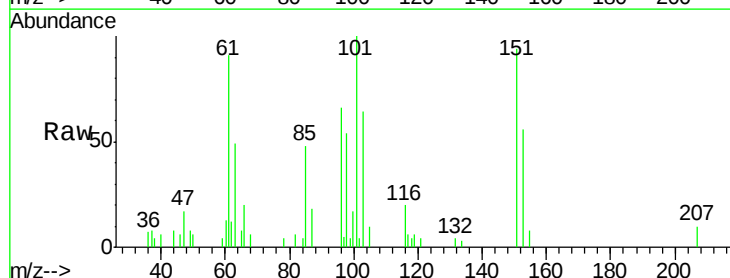
Tgt Ion:101 Resp: 8215

Ion Ratio Lower Upper

101 100

85 42.6 34.1 51.1

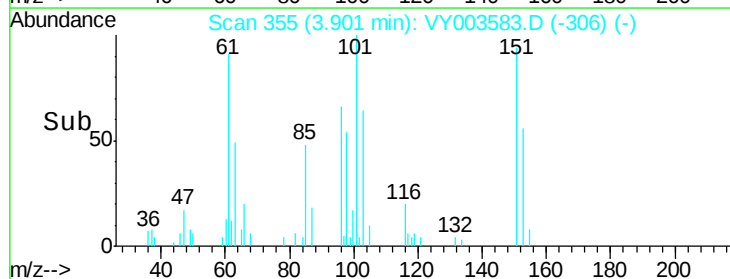
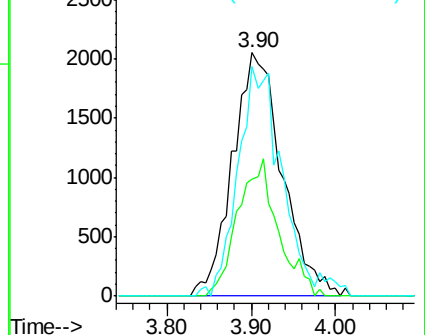
151 40.0 60.6 90.8#

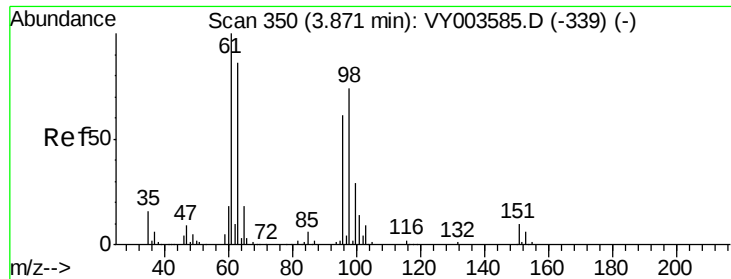


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VY0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 2.801 ug/L

RT: 3.87 min Scan# 350

Delta R.T. -0.00 min

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VSTD2.5402

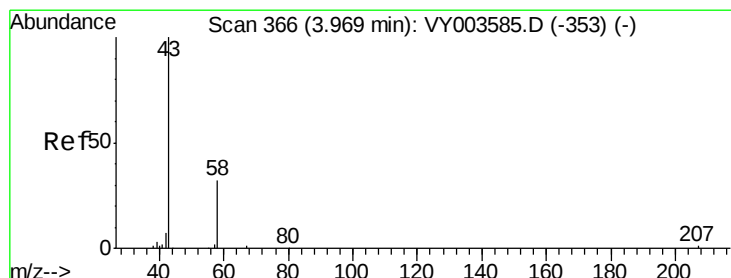
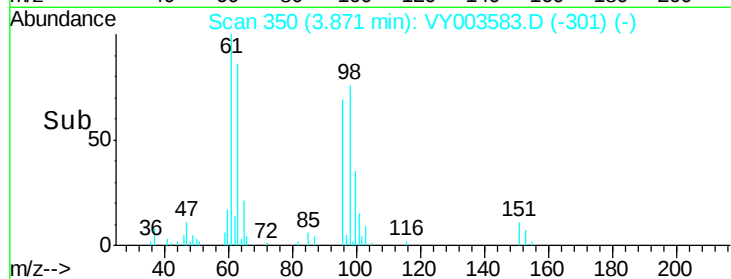
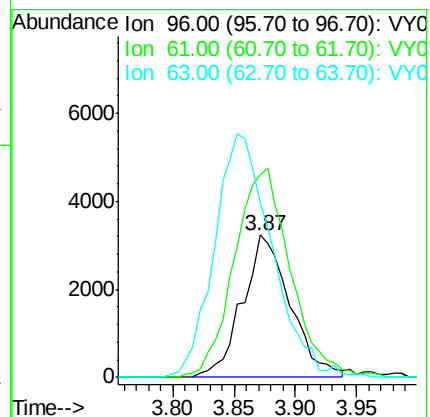
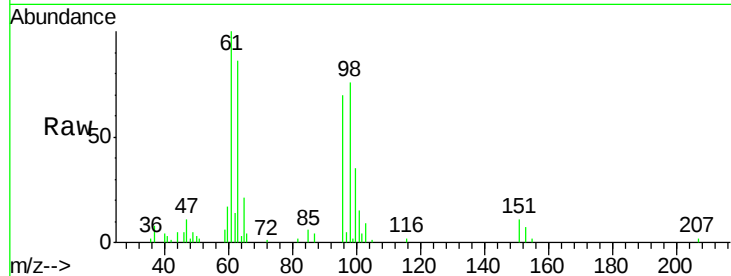
Tgt Ion: 96 Resp: 8783

Ion Ratio Lower Upper

96 100

61 142.7 114.5 212.7

63 122.3 100.8 187.2



#13

Acetone

Concen: 6.793 ug/L

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY003583.D

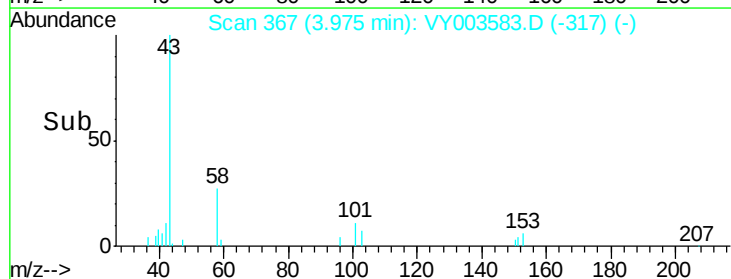
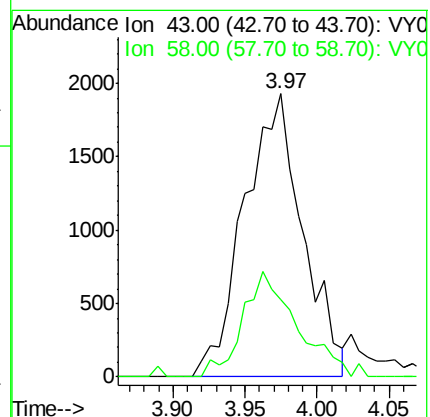
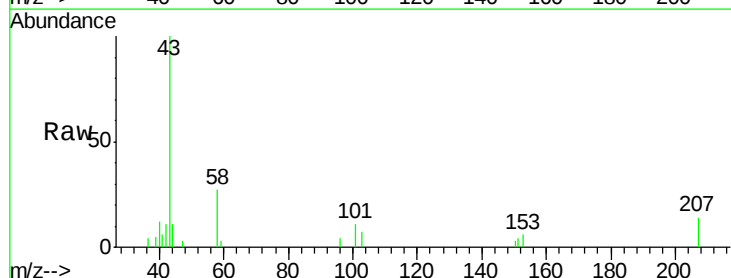
Acq: 23 Nov 2020 10:23

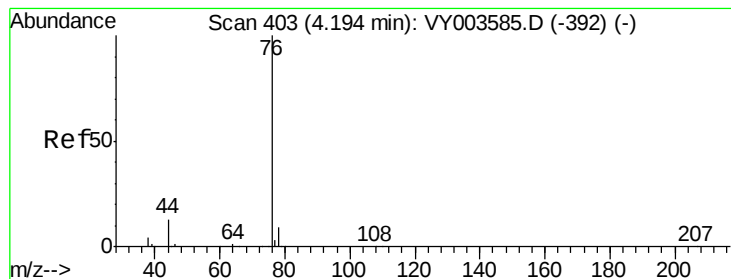
Tgt Ion: 43 Resp: 5467

Ion Ratio Lower Upper

43 100

58 29.7 0.0 68.4





#14

Carbon disulfide

Concen: 2.558 ug/L

RT: 4.19 min Scan# 403

Delta R.T. -0.00 min

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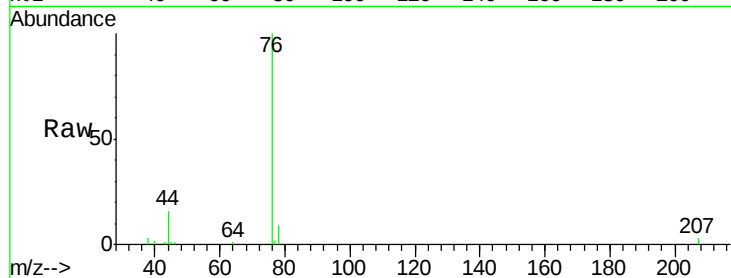
VSTD2.5402

Tgt Ion: 76 Resp: 28109

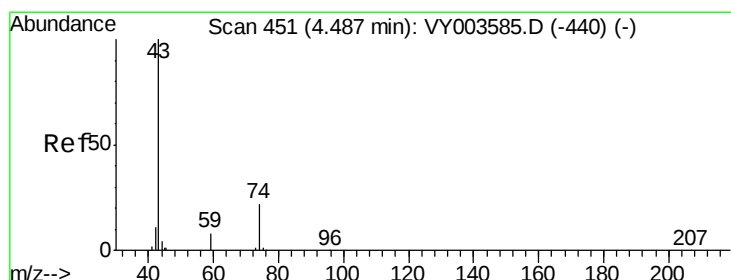
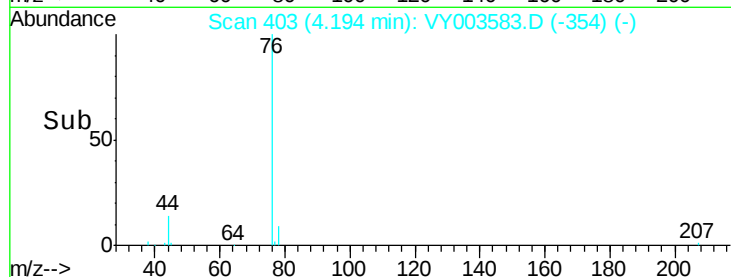
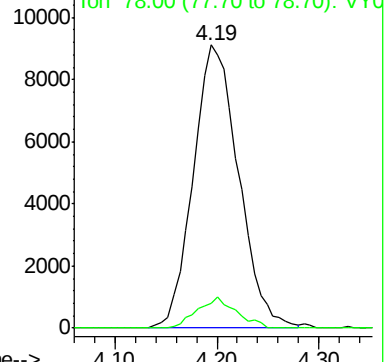
Ion Ratio Lower Upper

76 100

78 8.6 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VY003583.D (-402) (-)



#15

Methyl Acetate

Concen: 3.254 ug/L

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY003583.D

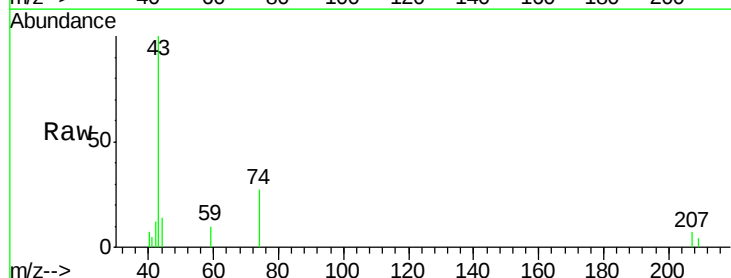
Acq: 23 Nov 2020 10:23

Tgt Ion: 43 Resp: 6383

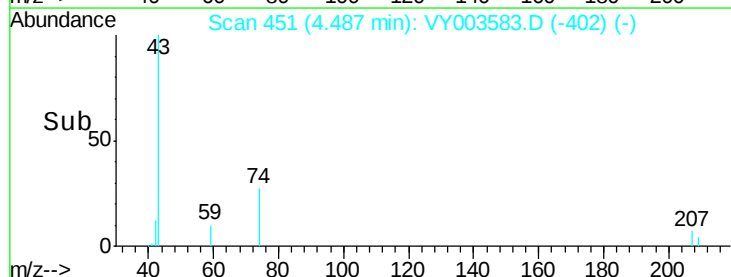
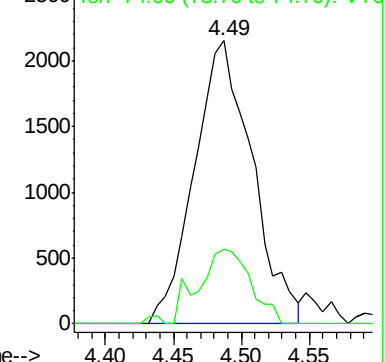
Ion Ratio Lower Upper

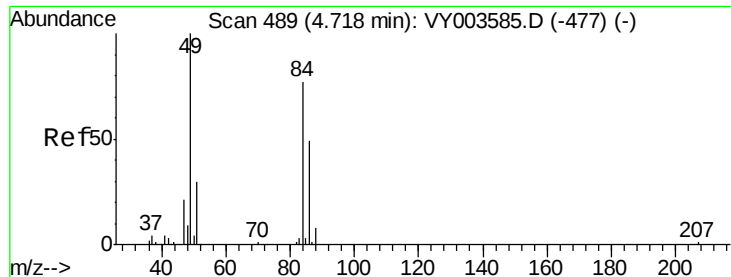
43 100

74 14.2 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VY003583.D (-402) (-)

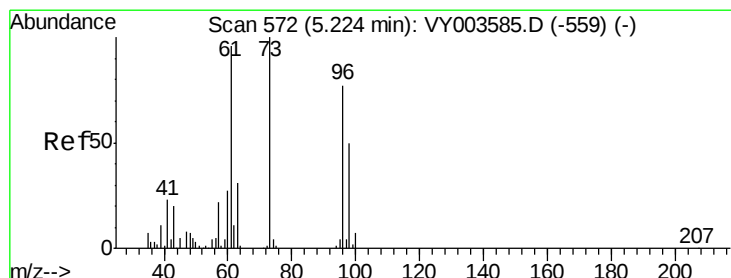
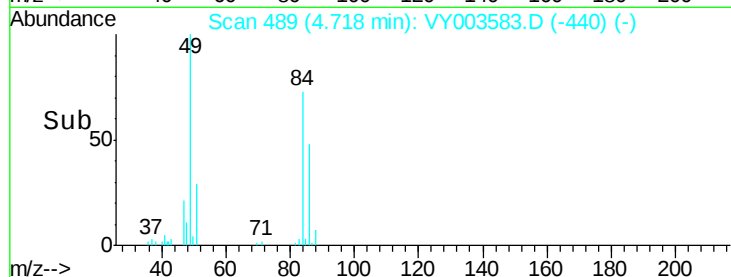
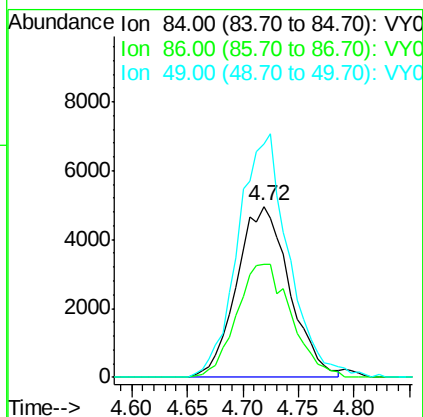
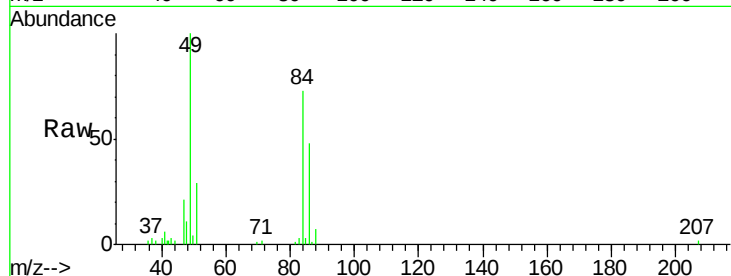




#16
Methylene chloride
Concen: 4.158 ug/L
RT: 4.72 min Scan# 489
Delta R.T. -0.00 min
Lab File: VY003583.D
Acq: 23 Nov 2020 10:23

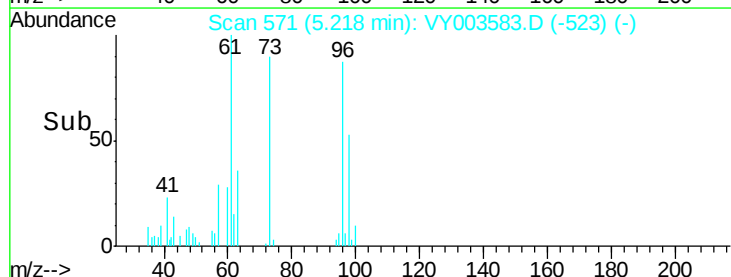
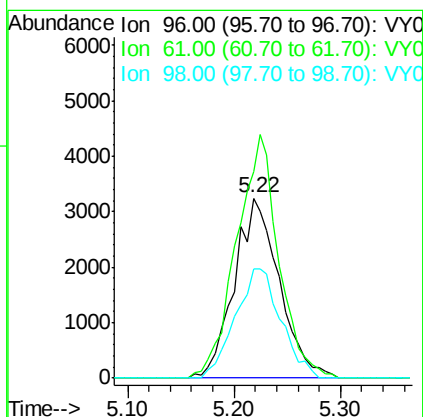
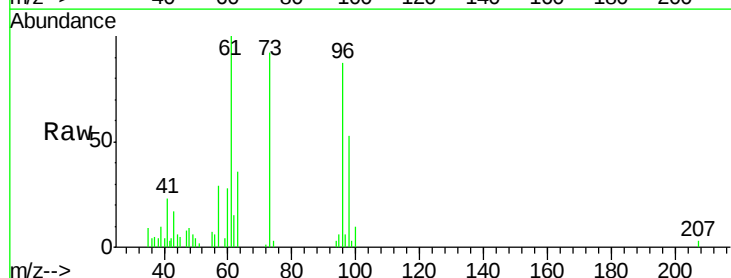
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5402

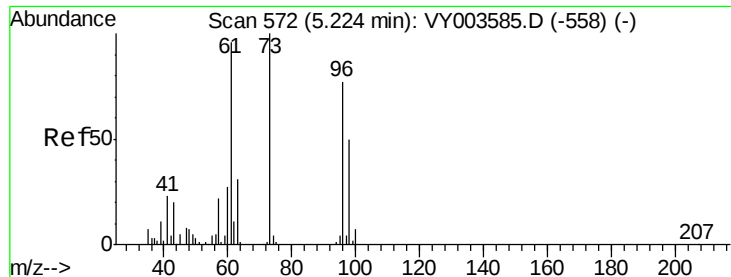
Tgt Ion: 84 Resp: 16358
Ion Ratio Lower Upper
84 100
86 66.2 45.2 84.0
49 136.9 91.5 169.9



#17
trans-1,2-Dichloroethene
Concen: 2.839 ug/L
RT: 5.22 min Scan# 571
Delta R.T. -0.01 min
Lab File: VY003583.D
Acq: 23 Nov 2020 10:23

Tgt Ion: 96 Resp: 9596
Ion Ratio Lower Upper
96 100
61 114.8 87.2 161.9
98 60.7 45.2 84.0

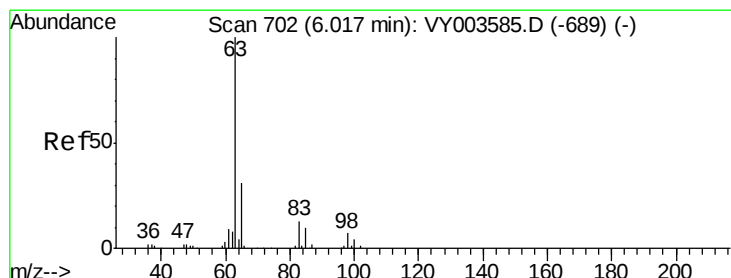
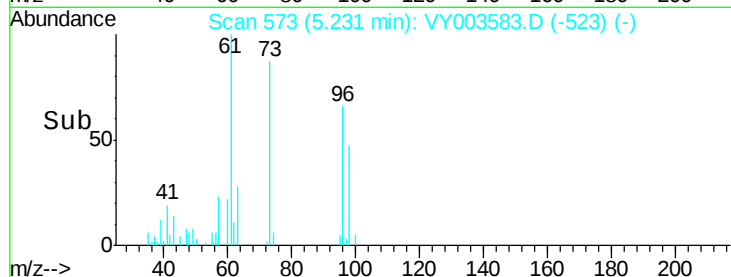
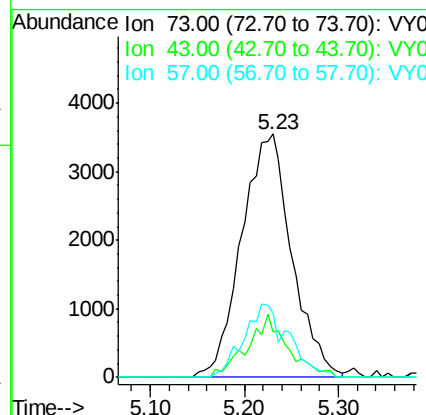
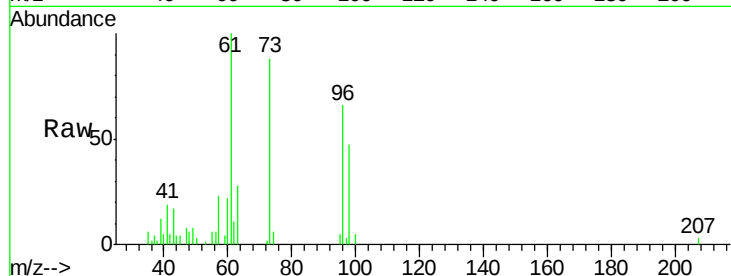




#18
Methyl tert-butyl Ether
Concen: 1.735 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY003583.D
Acq: 23 Nov 2020 10:23

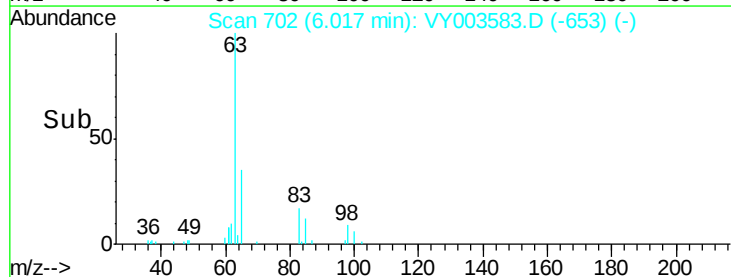
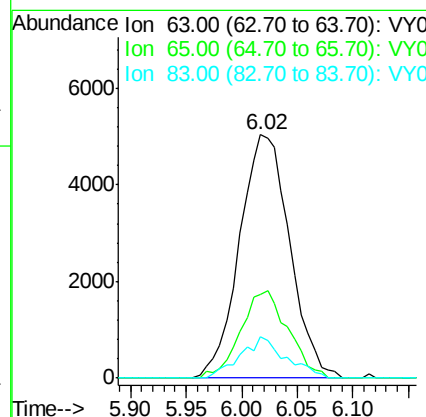
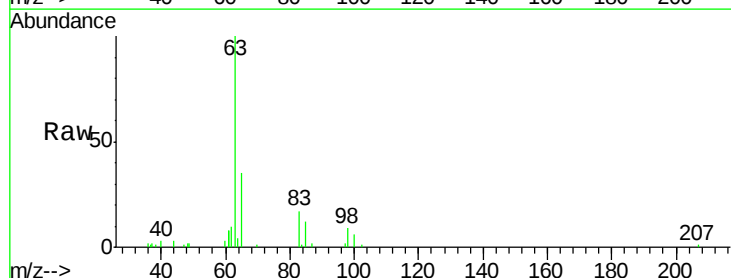
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5402

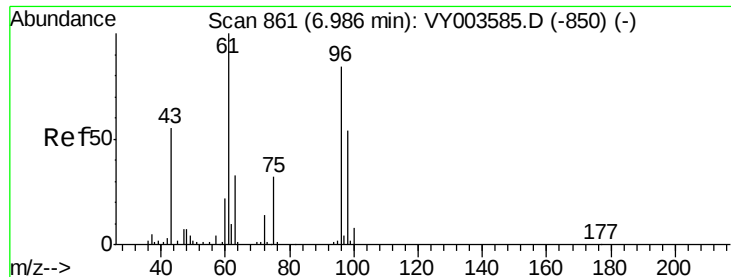
Tgt Ion: 73 Resp: 13218
Ion Ratio Lower Upper
73 100
43 14.3 15.5 23.3#
57 19.3 18.2 27.4



#19
1,1-Dichloroethane
Concen: 2.671 ug/L
RT: 6.02 min Scan# 702
Delta R.T. -0.00 min
Lab File: VY003583.D
Acq: 23 Nov 2020 10:23

Tgt Ion: 63 Resp: 15767
Ion Ratio Lower Upper
63 100
65 34.6 21.7 40.3
83 18.4 8.9 16.5#

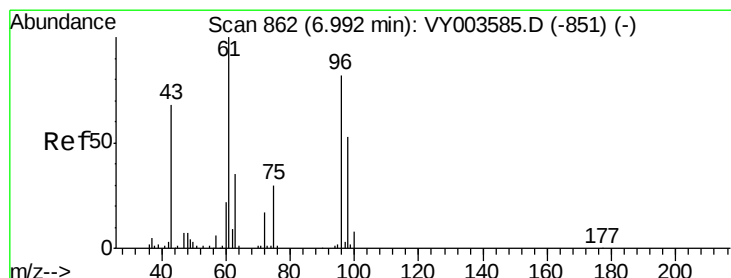
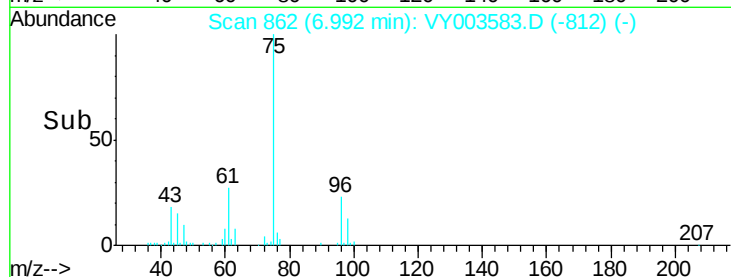
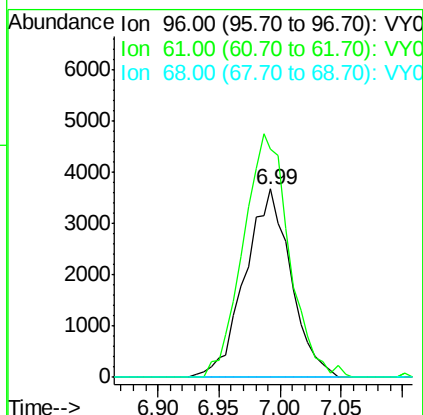
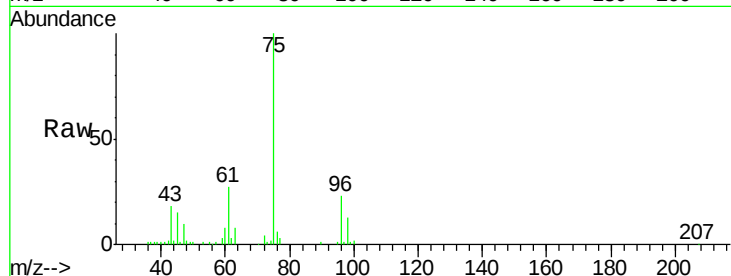




#20
 cis-1,2-Dichloroethene
 Concen: 2.704 ug/L
 RT: 6.99 min Scan# 862
 Delta R.T. 0.01 min
 Lab File: VY003583.D
 Acq: 23 Nov 2020 10:23

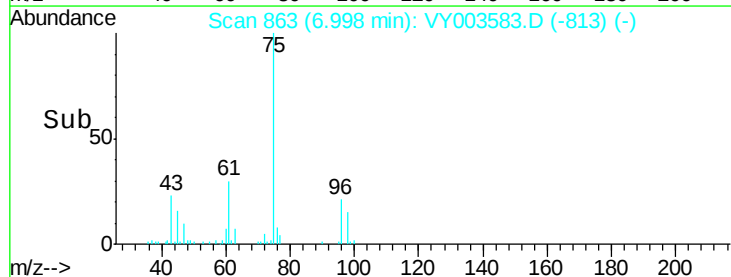
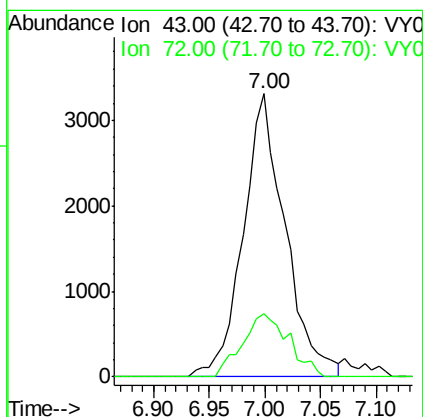
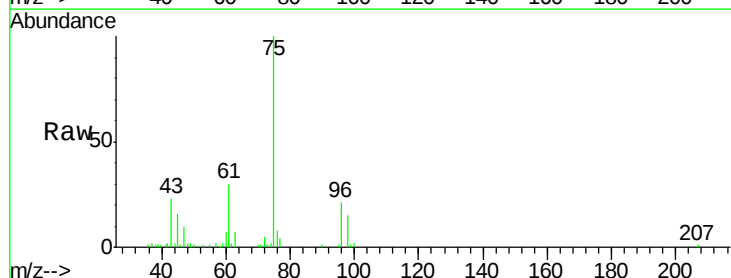
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5402

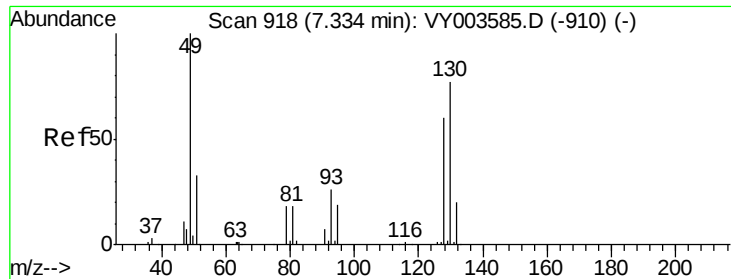
Tgt Ion: 96 Resp: 9575
 Ion Ratio Lower Upper
 96 100
 61 120.9 83.7 155.4
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 6.676 ug/L
 RT: 7.00 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VY003583.D
 Acq: 23 Nov 2020 10:23

Tgt Ion: 43 Resp: 8693
 Ion Ratio Lower Upper
 43 100
 72 23.5 13.0 38.9

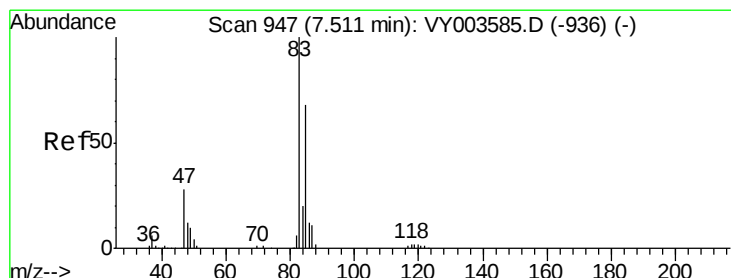
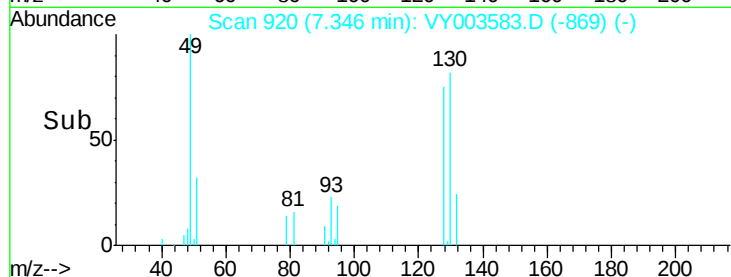
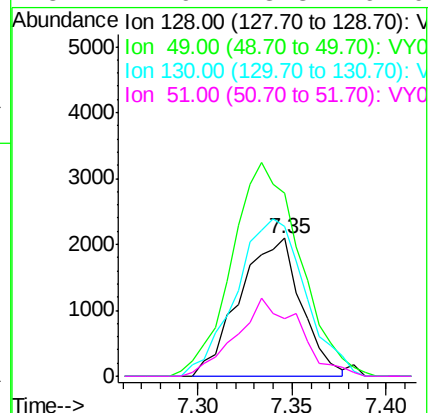
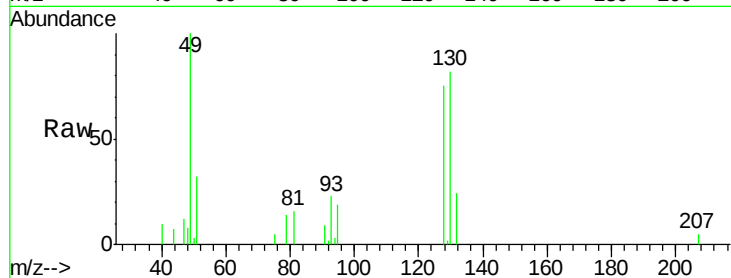




#23
Bromochloromethane
Concen: 2.783 ug/L
RT: 7.35 min Scan# 920
Delta R.T. 0.01 min
Lab File: VY003583.D
Acq: 23 Nov 2020 10:23

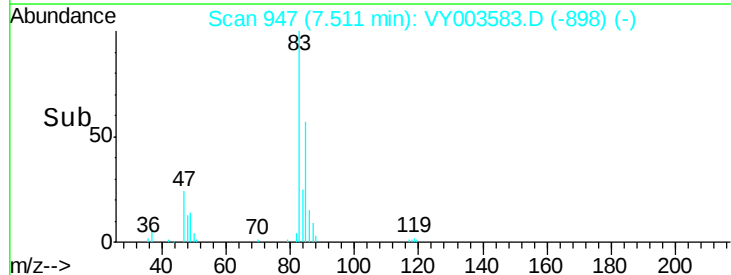
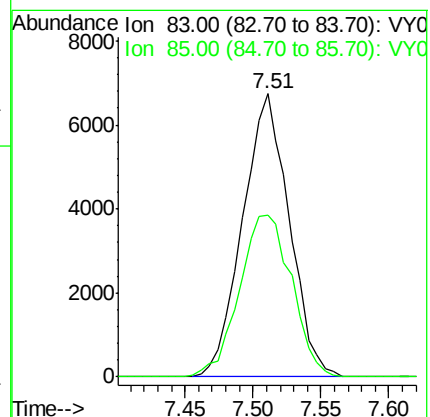
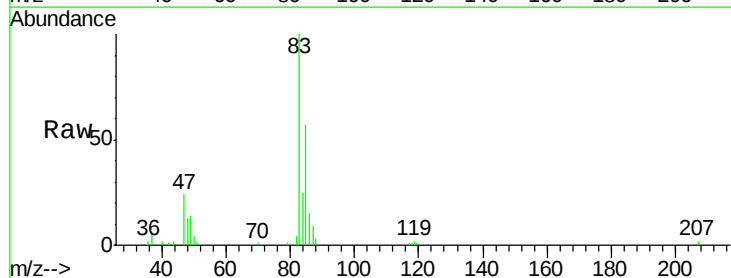
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5402

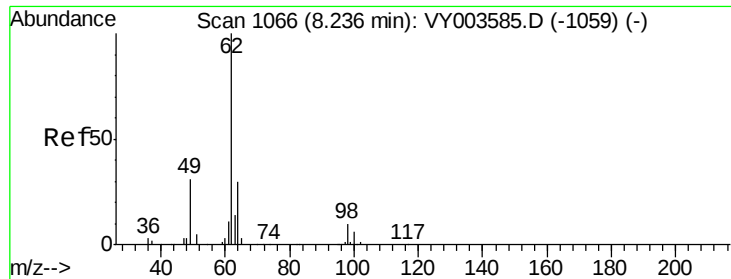
Tgt Ion:128 Resp: 4754
Ion Ratio Lower Upper
128 100
49 132.8 117.1 217.5
130 108.4 89.4 166.0
51 41.9 43.3 64.9#



#25
Chloroform
Concen: 2.408 ug/L
RT: 7.51 min Scan# 947
Delta R.T. -0.00 min
Lab File: VY003583.D
Acq: 23 Nov 2020 10:23

Tgt Ion: 83 Resp: 16171
Ion Ratio Lower Upper
83 100
85 57.3 47.4 88.0

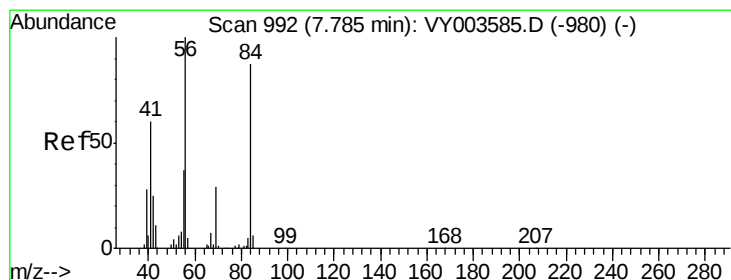
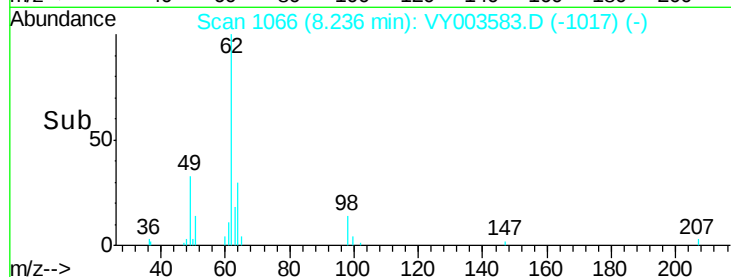
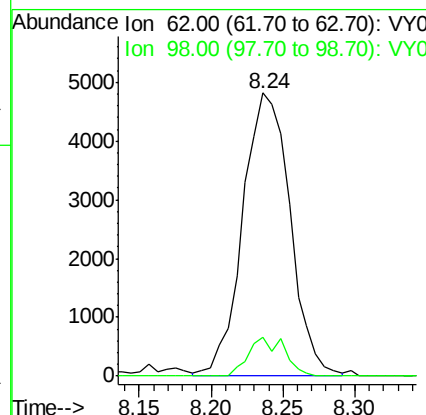
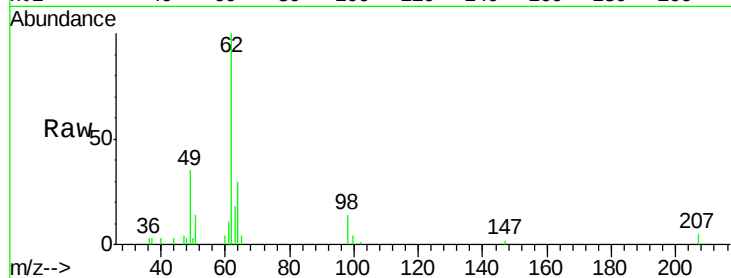




#27
 1,2-Dichloroethane
 Concen: 2.693 ug/L
 RT: 8.24 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VY003583.D
 Acq: 23 Nov 2020 10:23

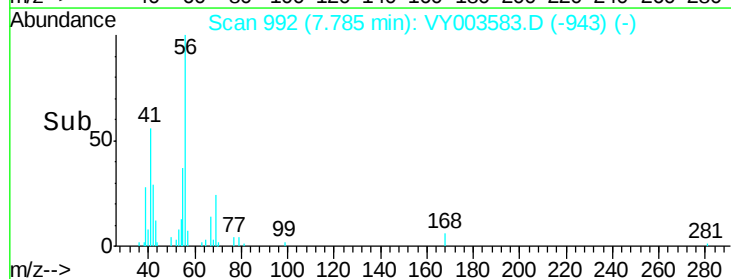
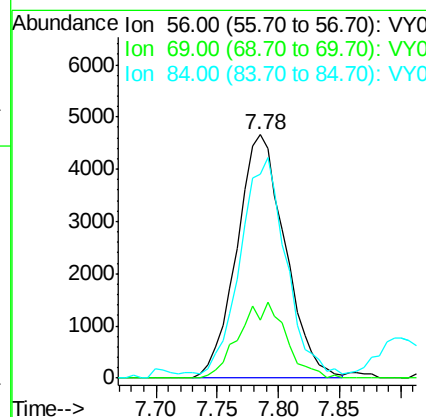
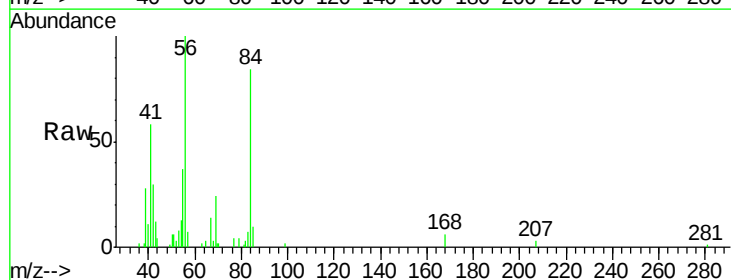
Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD2.5402

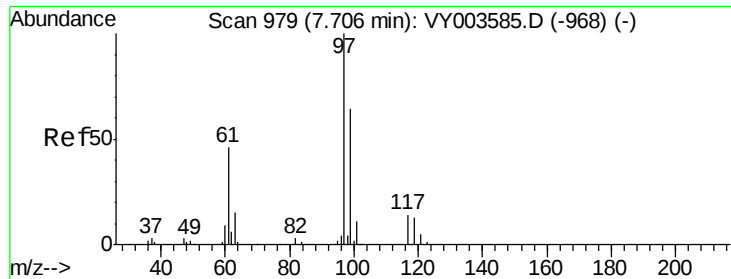
Tgt Ion: 62 Resp: 10989
 Ion Ratio Lower Upper
 62 100
 98 14.0 7.9 11.9#



#29
 Cyclohexane
 Concen: 2.347 ug/L
 RT: 7.78 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VY003583.D
 Acq: 23 Nov 2020 10:23

Tgt Ion: 56 Resp: 12767
 Ion Ratio Lower Upper
 56 100
 69 30.2 23.3 34.9
 84 87.0 70.6 105.8

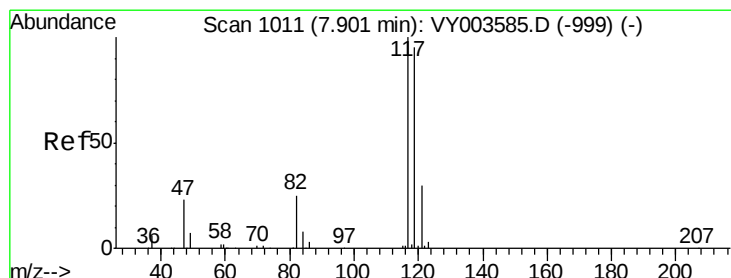
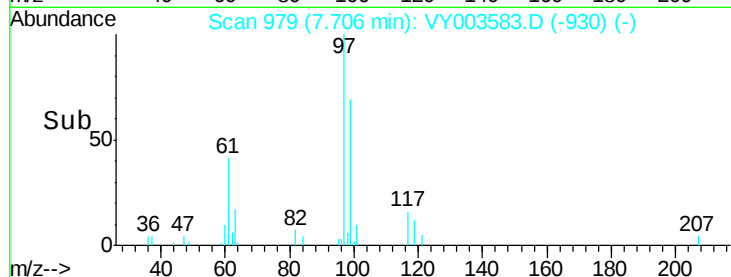
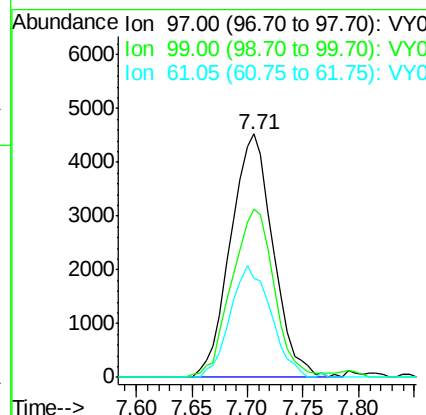
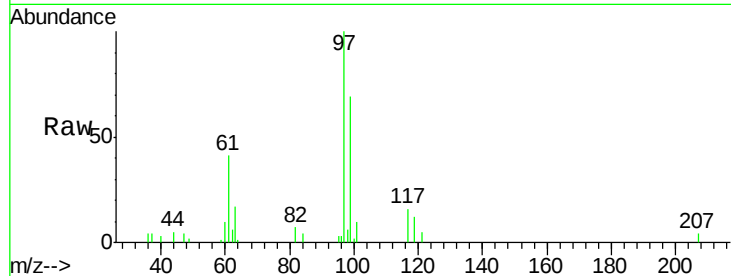




#30
 1,1,1-Trichloroethane
 Concen: 2.303 ug/L
 RT: 7.71 min Scan# 979
 Delta R.T. -0.00 min
 Lab File: VY003583.D
 Acq: 23 Nov 2020 10:23

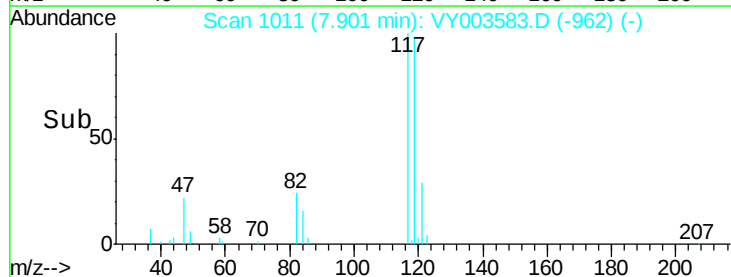
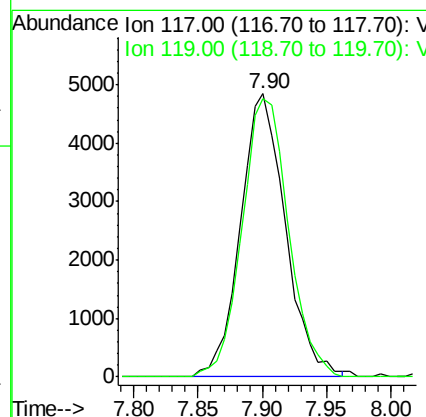
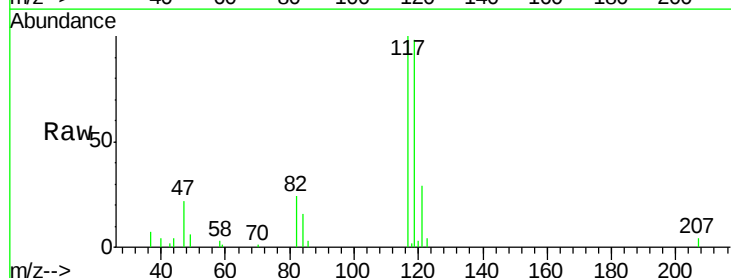
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5402

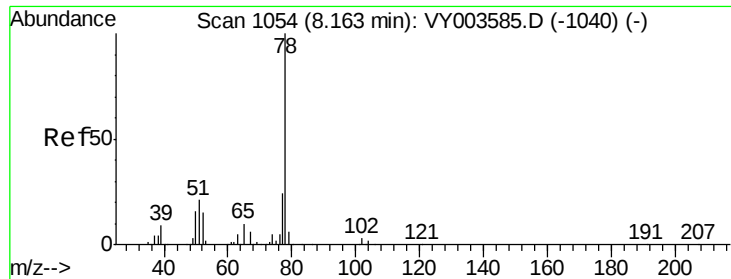
Tgt Ion: 97 Resp: 11983
 Ion Ratio Lower Upper
 97 100
 99 69.4 51.6 77.4
 61 43.8 35.1 52.7



#31
 Carbon tetrachloride
 Concen: 2.485 ug/L
 RT: 7.90 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VY003583.D
 Acq: 23 Nov 2020 10:23

Tgt Ion: 117 Resp: 11717
 Ion Ratio Lower Upper
 117 100
 119 101.6 76.7 115.1

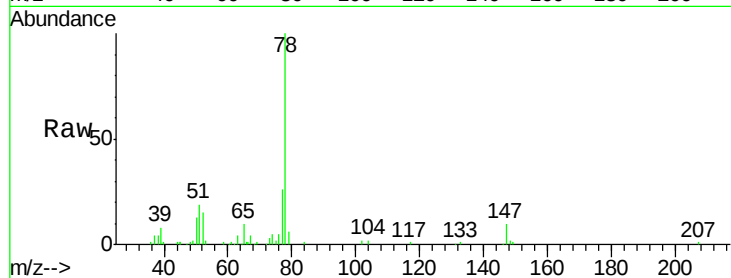




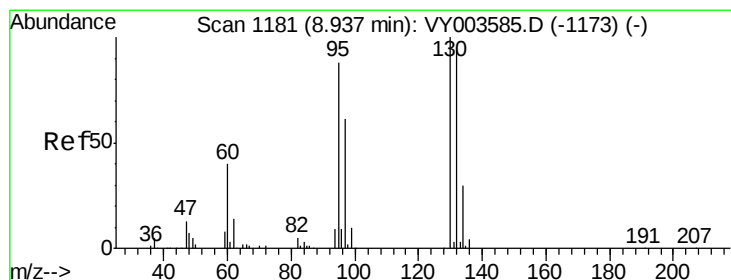
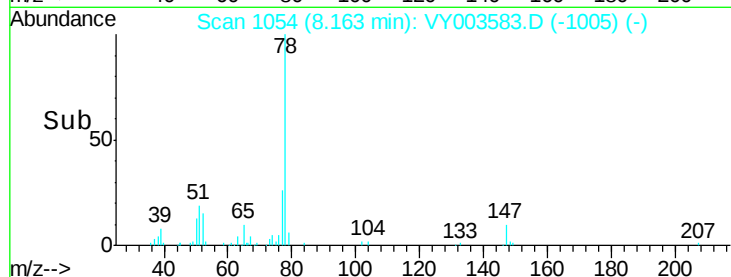
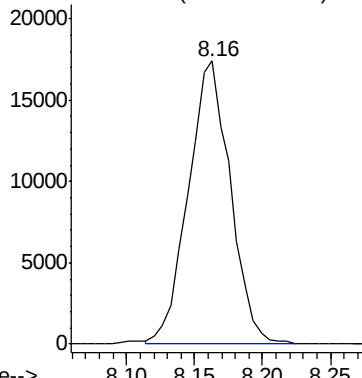
#33
Benzene
Concen: 2.872 ug/L
RT: 8.16 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY003583.D
Acq: 23 Nov 2020 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5402

Tgt Ion: 78 Resp: 37626



Abundance Ion 78.00 (77.70 to 78.70): VY0

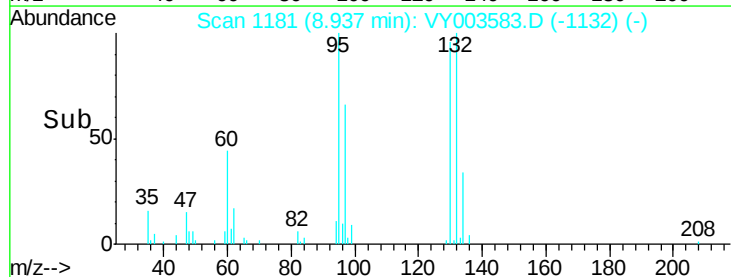
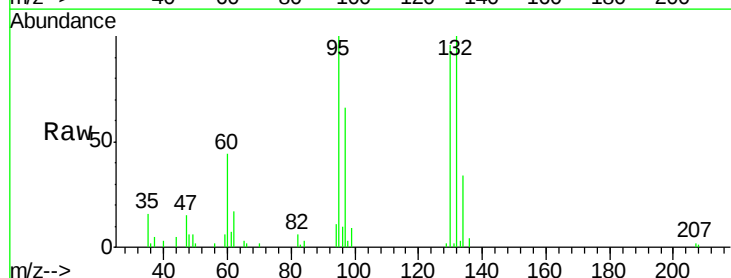
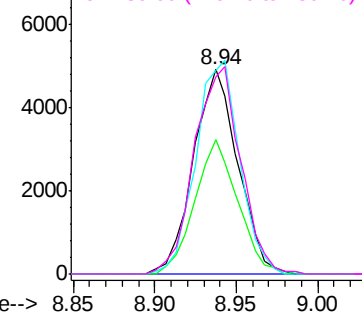


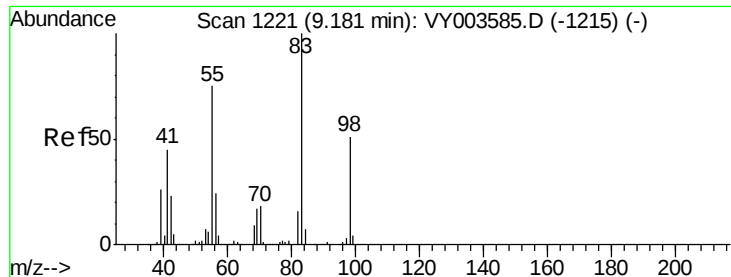
#34
Trichloroethene
Concen: 2.686 ug/L
RT: 8.94 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VY003583.D
Acq: 23 Nov 2020 10:23

Tgt Ion: 95 Resp: 9346
Ion Ratio Lower Upper
95 100
97 65.6 48.8 90.6
132 99.6 74.9 139.1
130 96.3 79.4 147.4

Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0
Ion 132.00 (131.70 to 132.70): VY0
Ion 130.00 (129.70 to 130.70): VY0

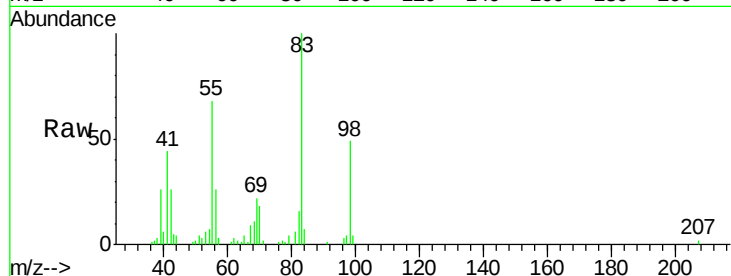




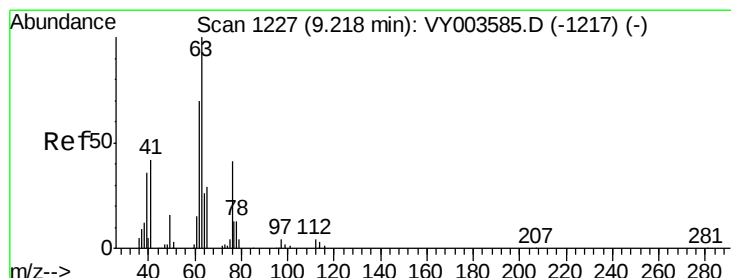
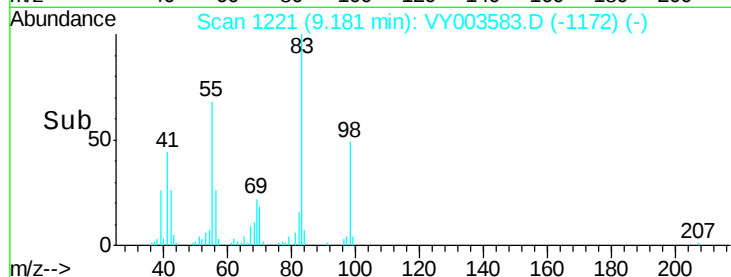
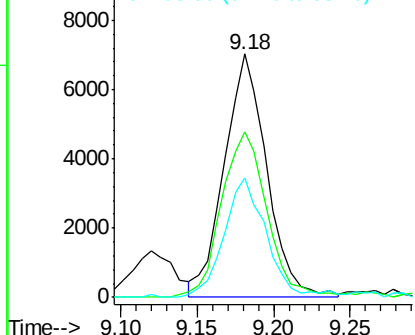
#35
Methylcyclohexane
Concen: 2.346 ug/L
RT: 9.18 min Scan# 1221
Delta R.T. -0.00 min
Lab File: VY003583.D
Acq: 23 Nov 2020 10:23

Instrument :
MSVOA_Y
ClientSampled :
VSTD2.5402

Tgt Ion: 83 Resp: 13546
Ion Ratio Lower Upper
83 100
55 73.1 59.0 88.6
98 47.3 40.2 60.4

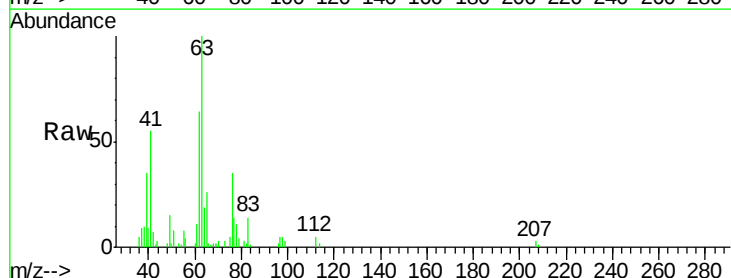


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

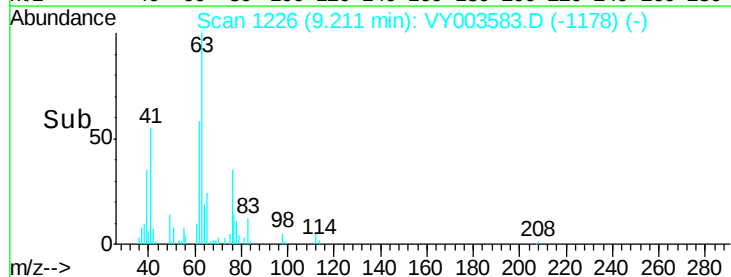
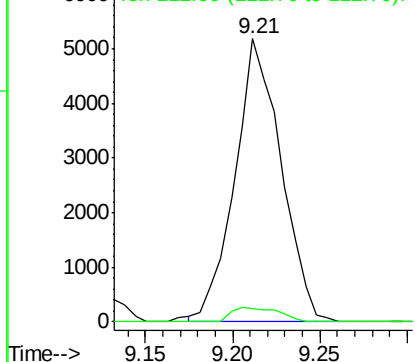


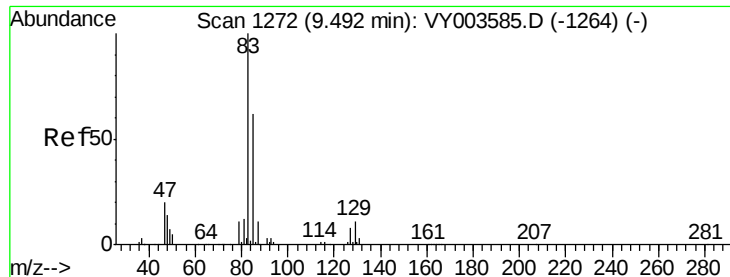
#37
1,2-Dichloropropane
Concen: 2.884 ug/L
RT: 9.21 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VY003583.D
Acq: 23 Nov 2020 10:23

Tgt Ion: 63 Resp: 9532
Ion Ratio Lower Upper
63 100
112 5.0 3.4 5.2



Abundance Ion 63.00 (62.70 to 63.70): VY0
Ion 112.00 (111.70 to 112.70): V





#38

Bromodichloromethane

Concen: 2.788 ug/L

RT: 9.50 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VY003583.D

Acq: 23 Nov 2020 10:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5402

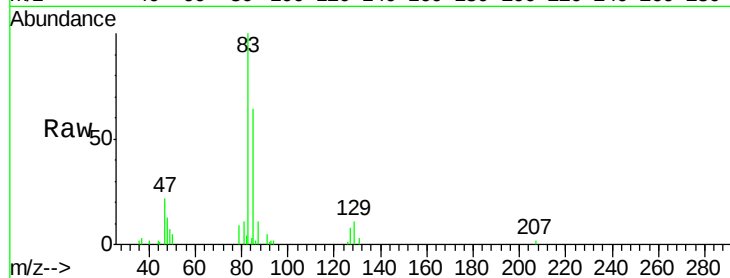
Tgt Ion: 83 Resp: 12085

Ion Ratio Lower Upper

83 100

85 64.5 43.5 80.9

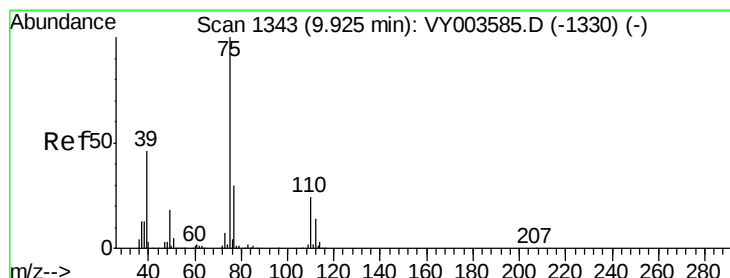
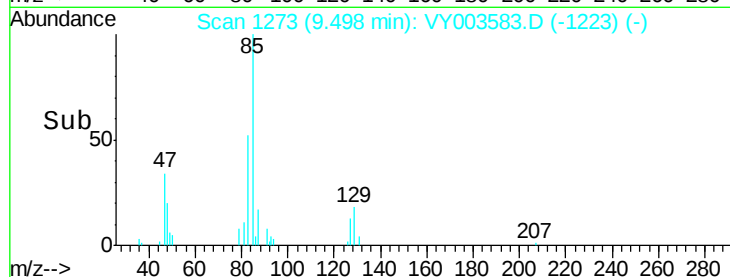
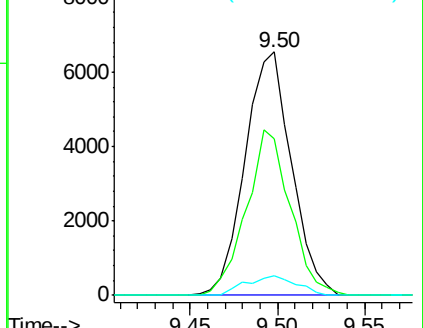
127 8.1 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VY003583.D (-1223) (-)

Ion 85.00 (84.70 to 85.70): VY003583.D (-1223) (-)

Ion 127.00 (126.70 to 127.70): VY003583.D (-1223) (-)



#39

cis-1,3-Dichloropropene

Concen: 2.563 ug/L

RT: 9.92 min Scan# 1343

Delta R.T. -0.00 min

Lab File: VY003583.D

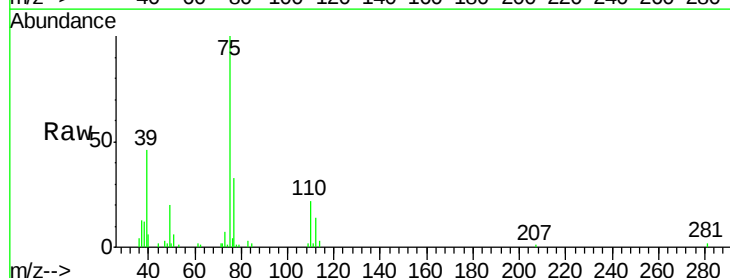
Acq: 23 Nov 2020 10:23

Tgt Ion: 75 Resp: 13452

Ion Ratio Lower Upper

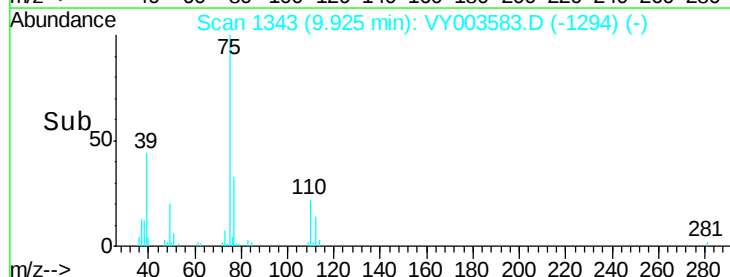
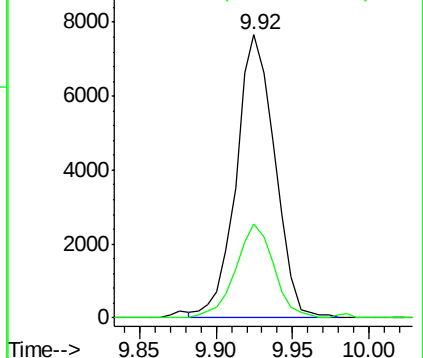
75 100

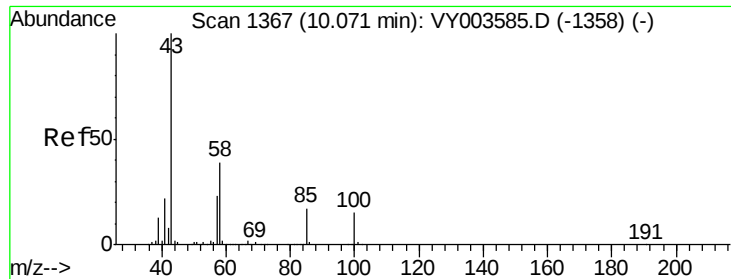
77 33.0 20.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VY003583.D (-1294) (-)

Ion 77.00 (76.70 to 77.70): VY003583.D (-1294) (-)

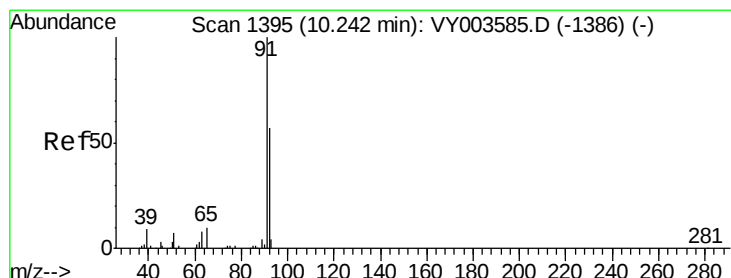
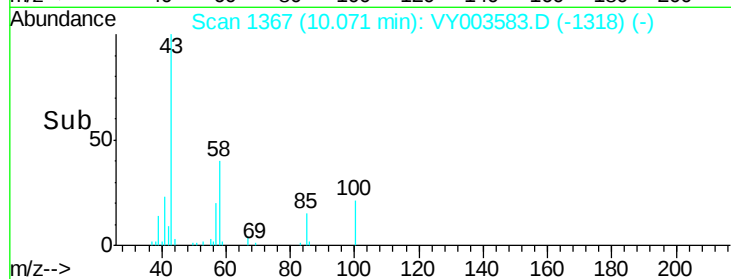
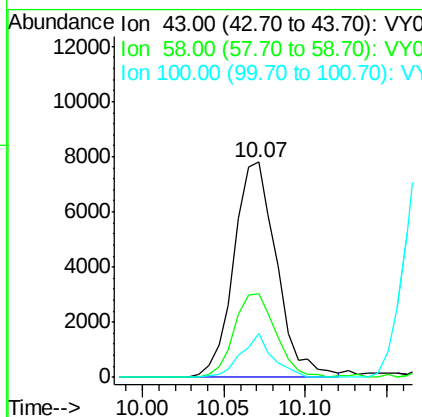
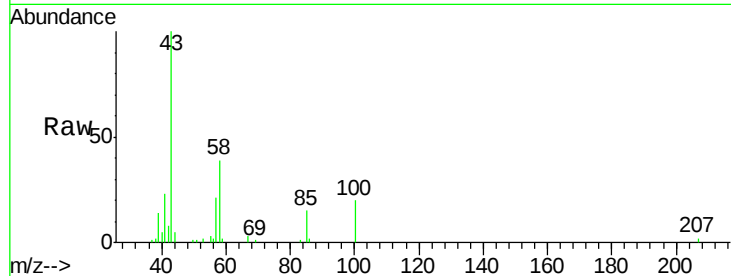




#40
4-Methyl-2-pentanone
Concen: 5.326 ug/L
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY003583.D
Acq: 23 Nov 2020 10:23

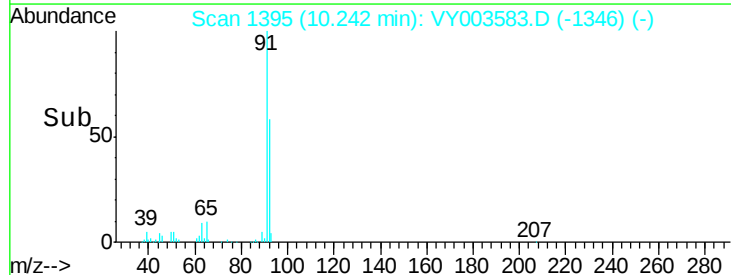
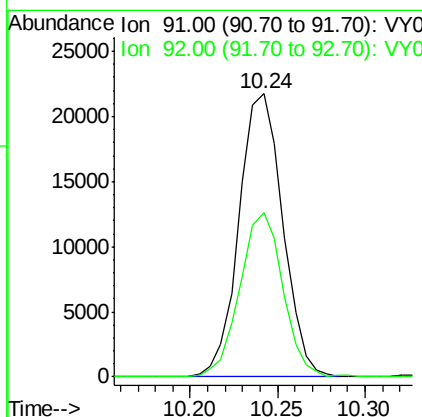
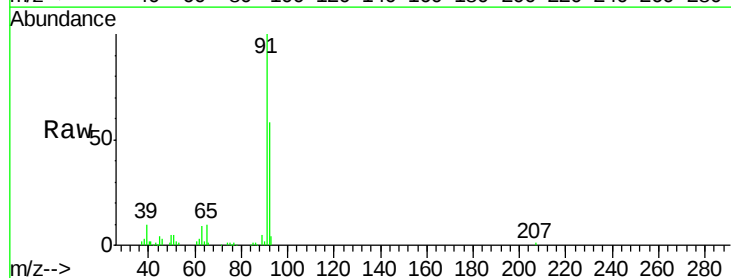
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5402

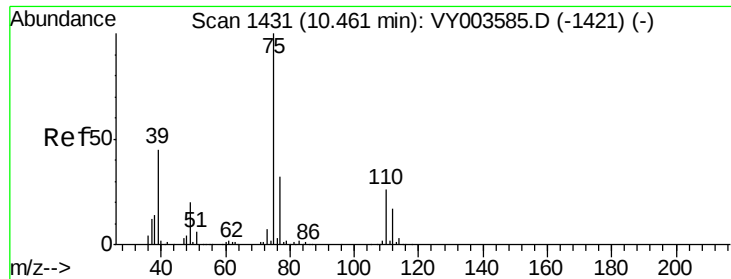
Tgt Ion: 43 Resp: 14281
Ion Ratio Lower Upper
43 100
58 37.5 29.8 44.6
100 15.1 12.0 18.0



#42
Toluene
Concen: 2.676 ug/L
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY003583.D
Acq: 23 Nov 2020 10:23

Tgt Ion: 91 Resp: 37876
Ion Ratio Lower Upper
91 100
92 58.2 39.6 73.6





#44

trans-1,3-Dichloropropene

Concen: 2.702 ug/L

RT: 10.46 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VY003583.D

Acq: 23 Nov 2020 10:23

Instrument :

MSVOA_Y

ClientSampleId :

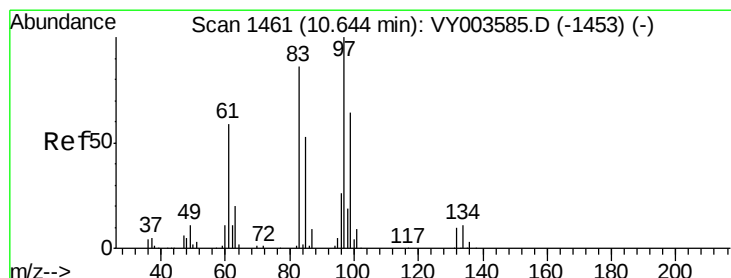
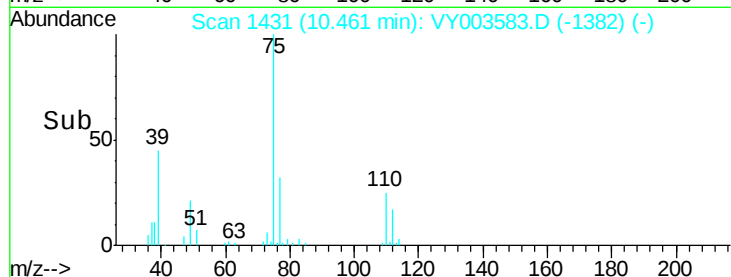
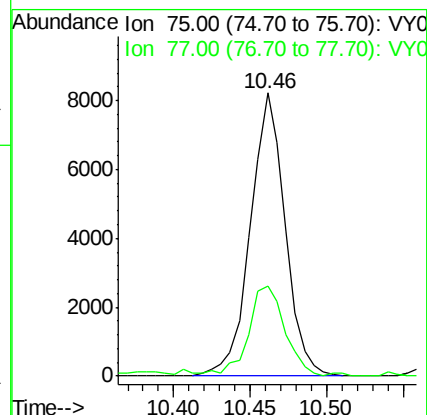
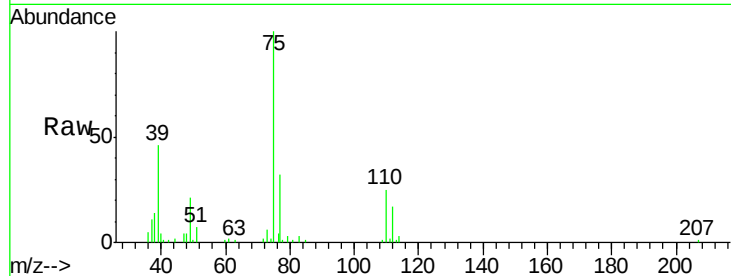
VSTD2.5402

Tgt Ion: 75 Resp: 12986

Ion Ratio Lower Upper

75 100

77 31.9 22.9 42.5



#45

1,1,2-Trichloroethane

Concen: 2.789 ug/L

RT: 10.64 min Scan# 1460

Delta R.T. -0.01 min

Lab File: VY003583.D

Acq: 23 Nov 2020 10:23

Tgt Ion: 97 Resp: 7305

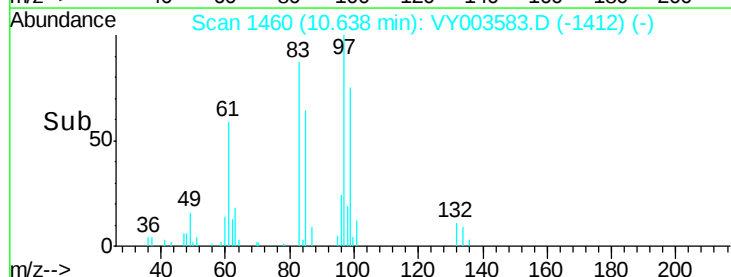
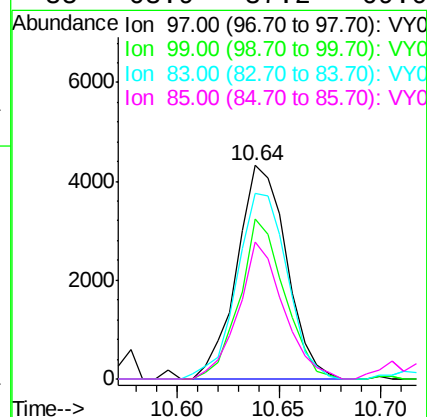
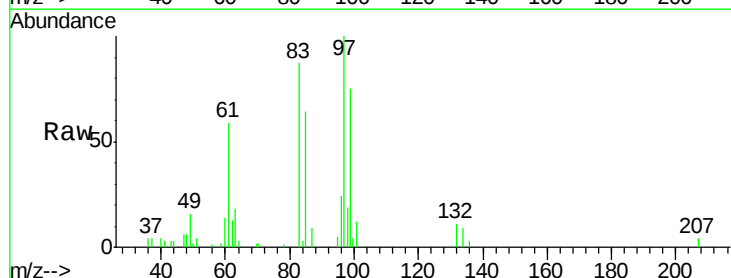
Ion Ratio Lower Upper

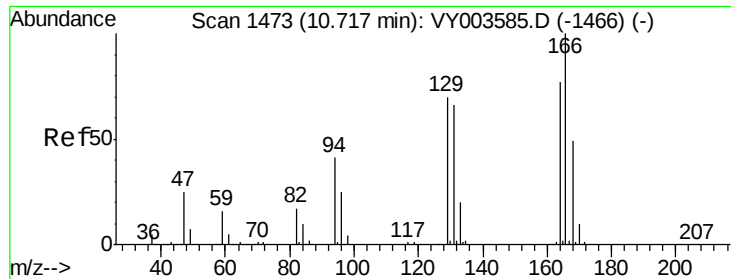
97 100

99 74.9 44.9 83.5

83 86.8 59.8 111.1

85 63.9 37.2 69.0





#46

Tetrachloroethene

Concen: 2.696 ug/L

RT: 10.72 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VY003583.D

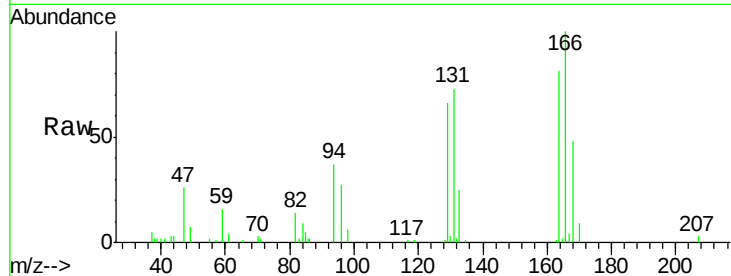
Acq: 23 Nov 2020 10:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5402



Tgt Ion:164 Resp: 8370

Ion Ratio Lower Upper

164 100

129 81.4 63.5 117.9

131 90.0 59.6 110.6

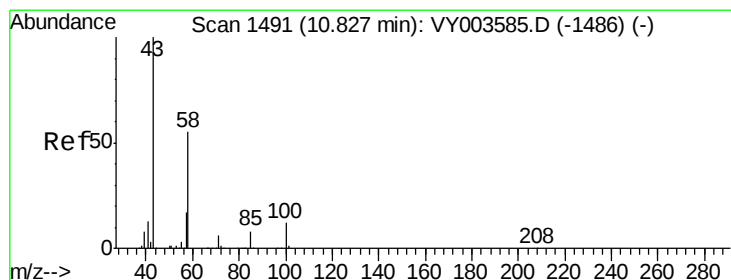
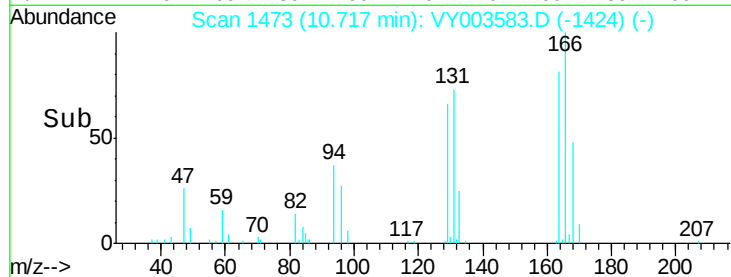
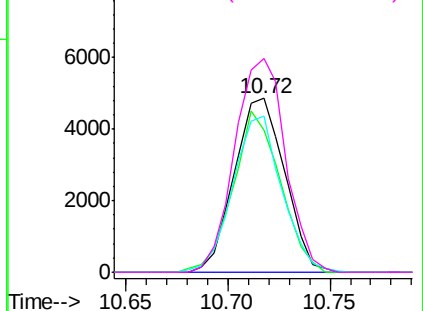
166 122.8 90.6 168.2

Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 5.428 ug/L

RT: 10.83 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VY003583.D

Acq: 23 Nov 2020 10:23

Tgt Ion: 43 Resp: 10503

Ion Ratio Lower Upper

43 100

58 53.0 43.9 65.9

57 16.9 14.1 21.1

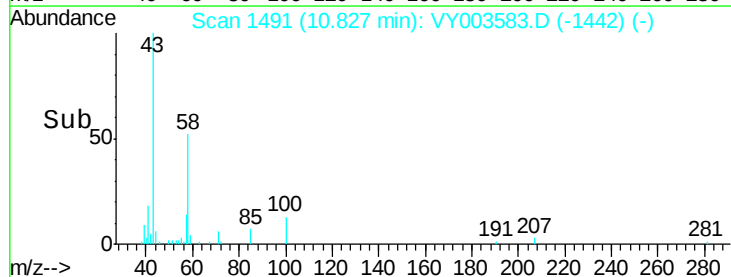
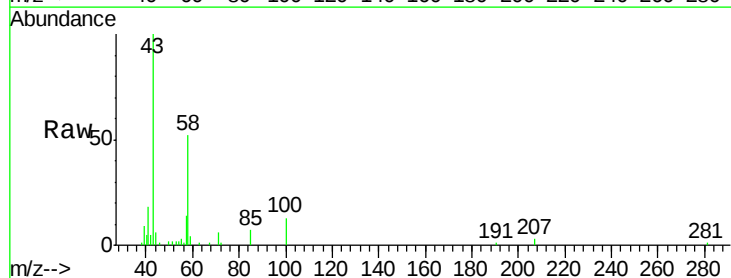
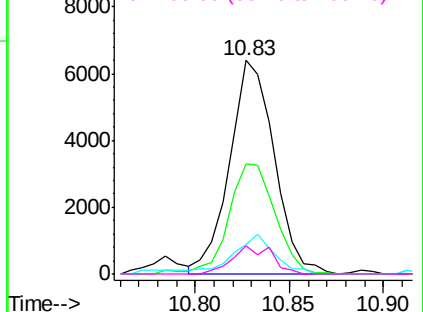
100 11.8 9.6 14.4

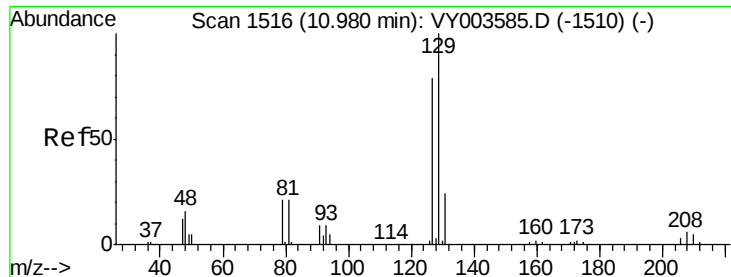
Abundance Ion 43.00 (42.70 to 43.70): VY0

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





#49

Dibromochloromethane

Concen: 2.663 ug/L

RT: 10.98 min Scan# 1516

Delta R.T. -0.00 min

Lab File: VY003583.D

Acq: 23 Nov 2020 10:23

Instrument :

MSVOA_Y

ClientSampleId :

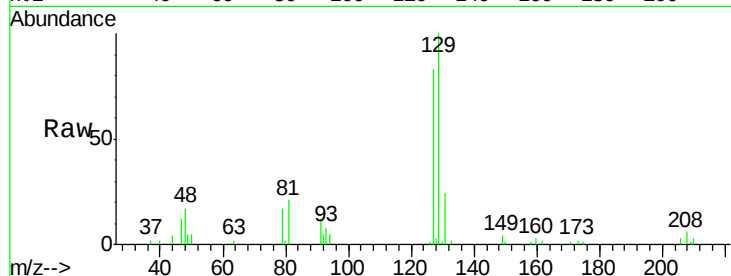
VSTD2.5402

Tgt Ion:129 Resp: 8538

Ion Ratio Lower Upper

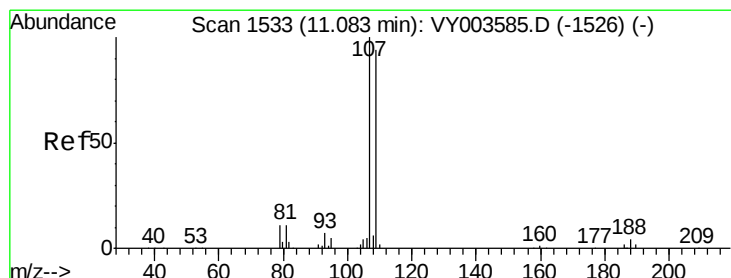
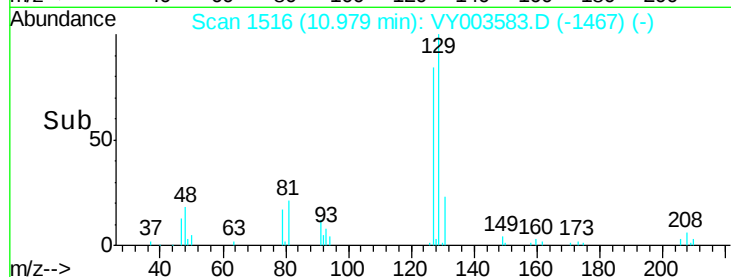
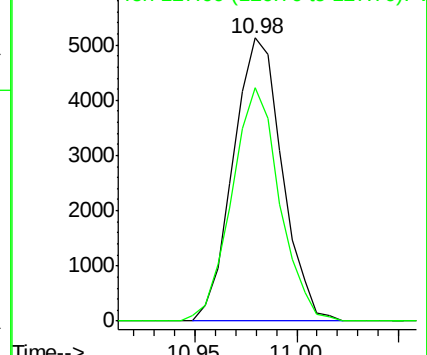
129 100

127 82.6 55.7 103.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 2.761 ug/L

RT: 11.09 min Scan# 1534

Delta R.T. 0.01 min

Lab File: VY003583.D

Acq: 23 Nov 2020 10:23

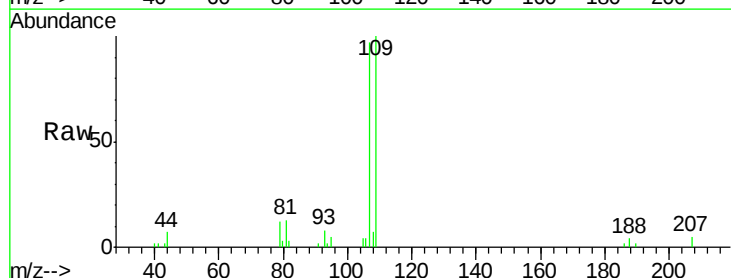
Tgt Ion:107 Resp: 6943

Ion Ratio Lower Upper

107 100

109 103.5 65.8 122.2

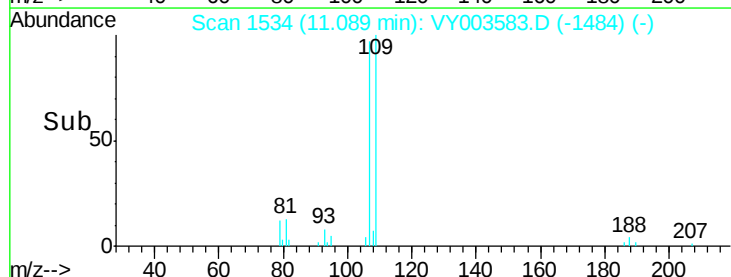
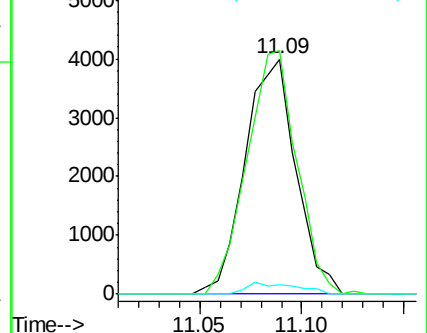
188 3.8 2.9 4.3

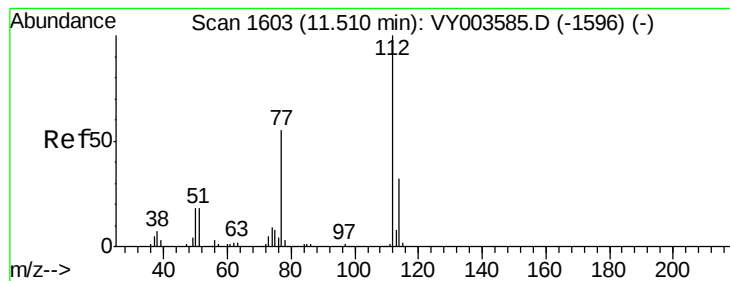


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 2.627 ug/L

RT: 11.51 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VY003583.D

Acq: 23 Nov 2020 10:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5402

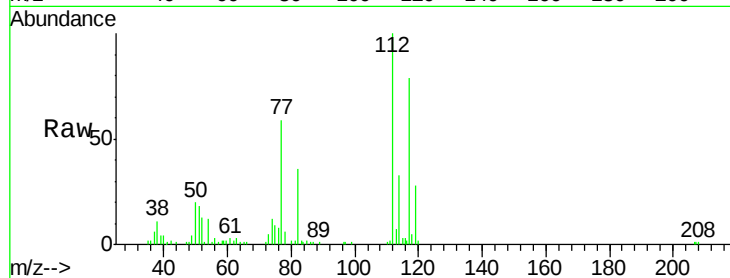
Tgt Ion: 112 Resp: 24219

Ion Ratio Lower Upper

112 100

114 33.5 22.4 41.6

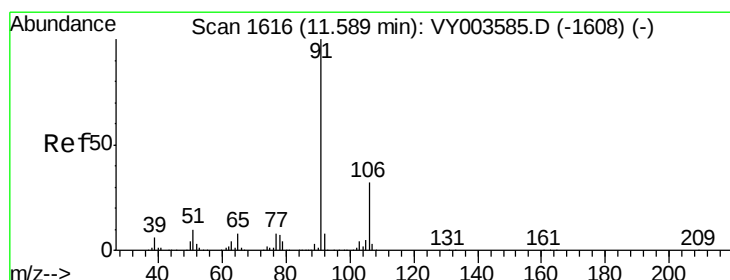
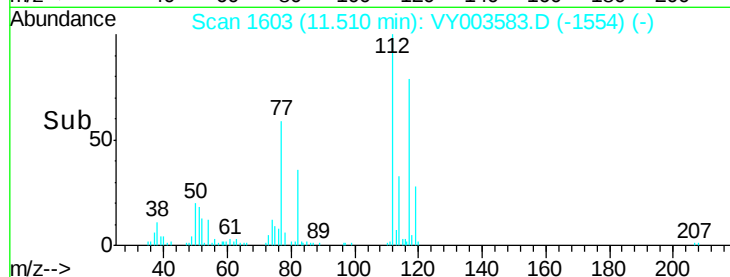
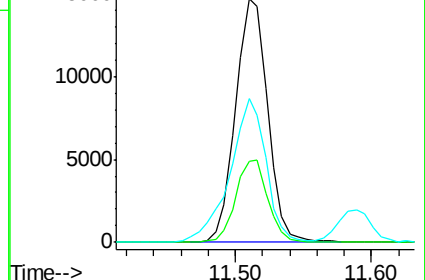
77 59.1 44.2 66.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 2.355 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003583.D

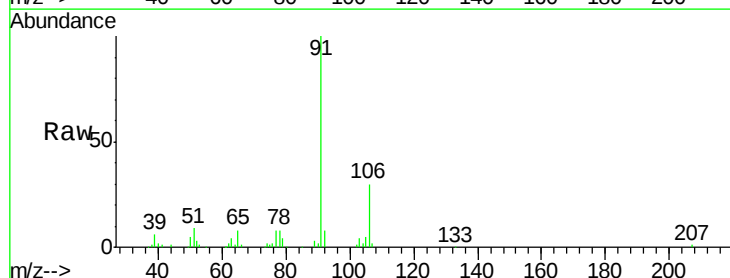
Acq: 23 Nov 2020 10:23

Tgt Ion: 91 Resp: 36554

Ion Ratio Lower Upper

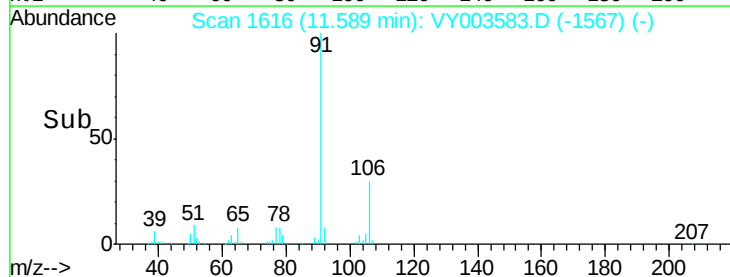
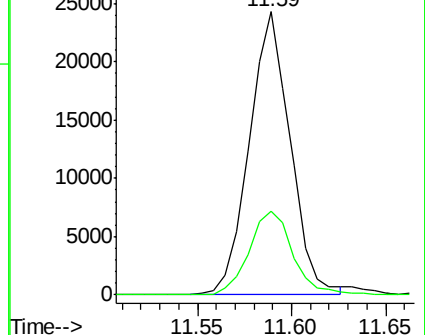
91 100

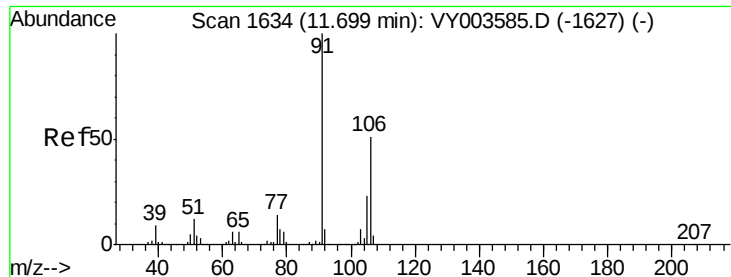
106 29.5 22.7 42.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 2.376 ug/L

RT: 11.69 min Scan# 1633

Delta R.T. -0.01 min

Lab File: VY003583.D

Acq: 23 Nov 2020 10:23

Instrument :

MSVOA_Y

ClientSampleId :

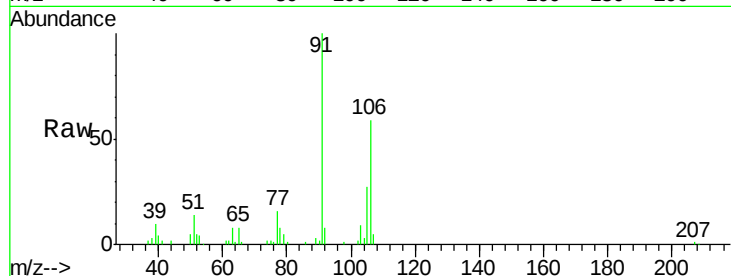
VSTD2.5402

Tgt Ion:106 Resp: 14104

Ion Ratio Lower Upper

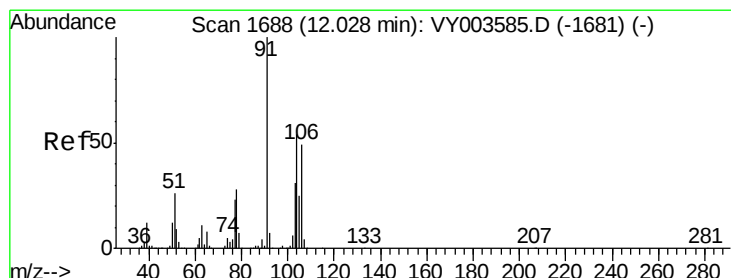
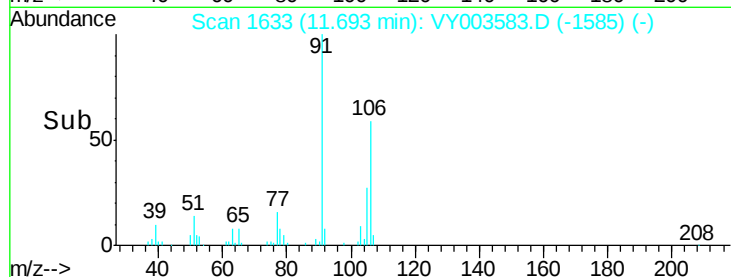
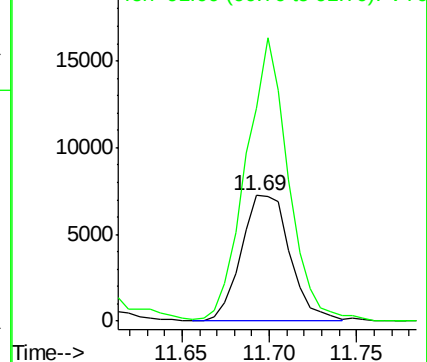
106 100

91 170.2 138.2 256.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#54

o-Xylene

Concen: 2.074 ug/L

RT: 12.02 min Scan# 1687

Delta R.T. -0.01 min

Lab File: VY003583.D

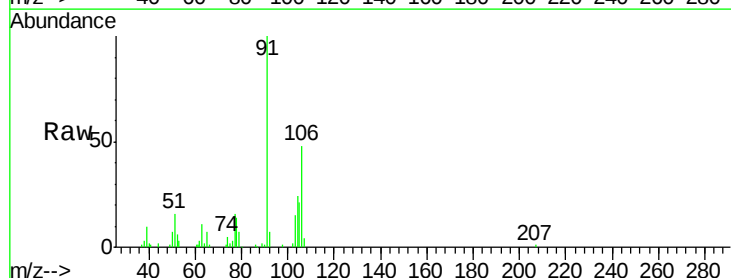
Acq: 23 Nov 2020 10:23

Tgt Ion:106 Resp: 11655

Ion Ratio Lower Upper

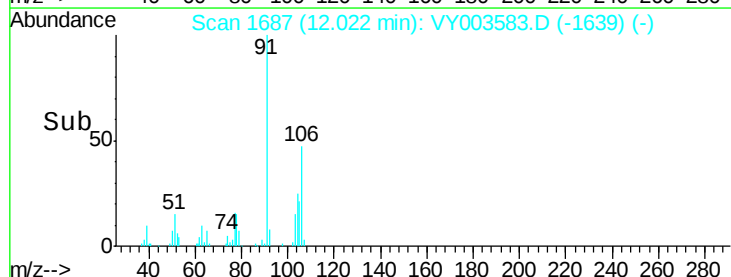
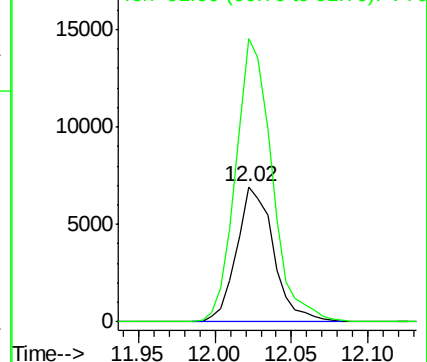
106 100

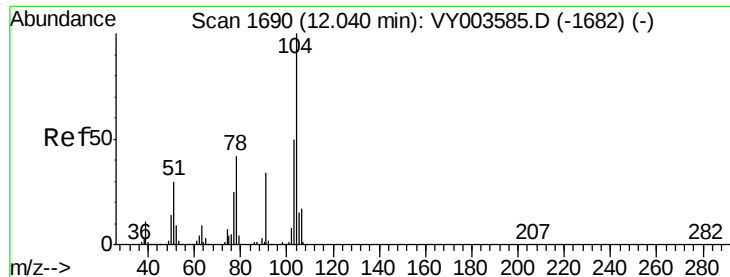
91 209.1 143.2 266.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#55

Styrene

Concen: 2.241 ug/L

RT: 12.04 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VY003583.D

Acq: 23 Nov 2020 10:23

Instrument :

MSVOA_Y

ClientSampleId :

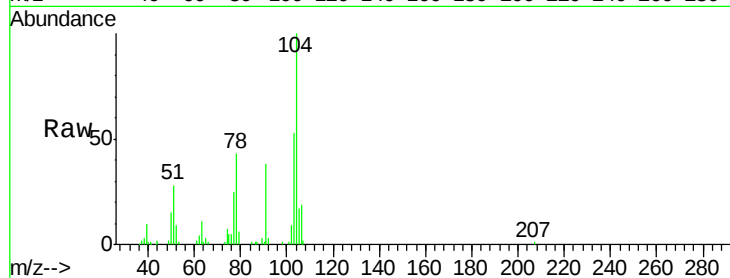
VSTD2.5402

Tgt Ion: 104 Resp: 22142

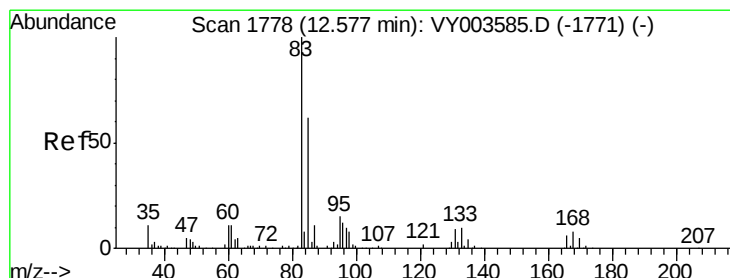
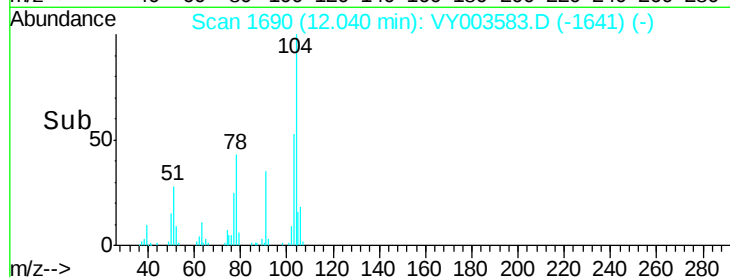
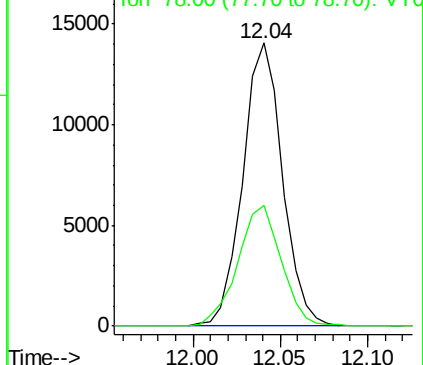
Ion Ratio Lower Upper

104 100

78 42.9 29.5 54.7



Abundance Ion 104.00 (103.70 to 104.70): VY003583.D (-1682) (-)



#57

1,1,2,2-Tetrachloroethane

Concen: 2.766 ug/L

RT: 12.58 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VY003583.D

Acq: 23 Nov 2020 10:23

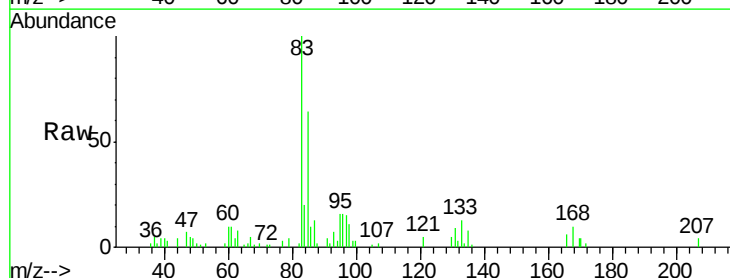
Tgt Ion: 83 Resp: 8575

Ion Ratio Lower Upper

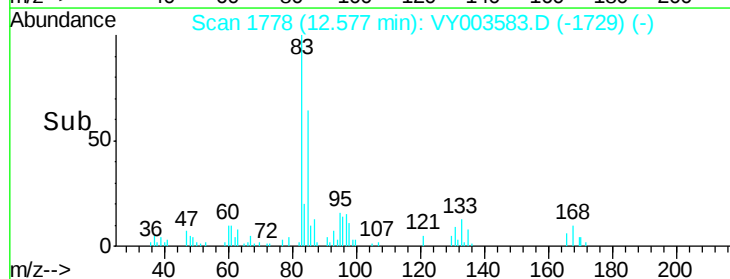
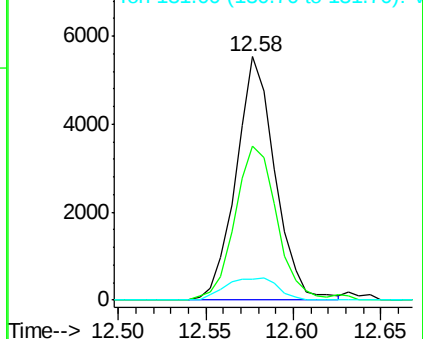
83 100

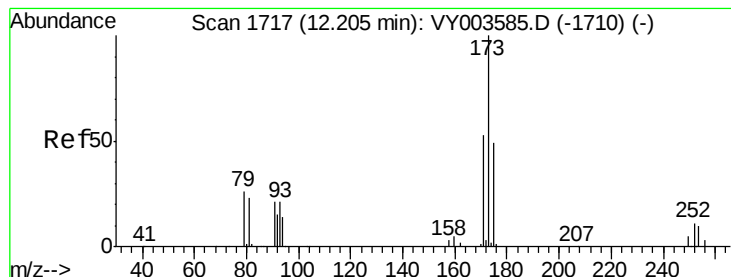
85 63.5 43.5 80.9

131 8.5 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VY003583.D (-1771) (-)





#59

Bromoform

Concen: 2.849 ug/L

RT: 12.20 min Scan# 1716

Delta R.T. -0.01 min

Lab File: VY003583.D

Acq: 23 Nov 2020 10:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.5402

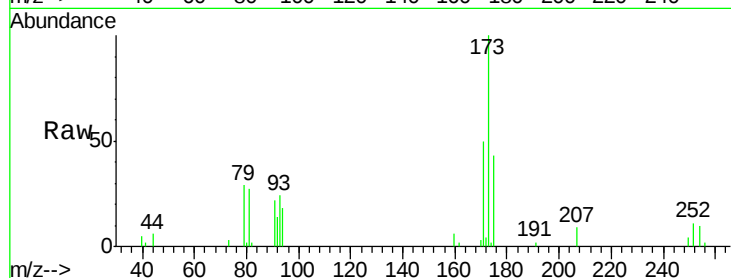
Tgt Ion:173 Resp: 5790

Ion Ratio Lower Upper

173 100

175 0.0 38.9 58.3#

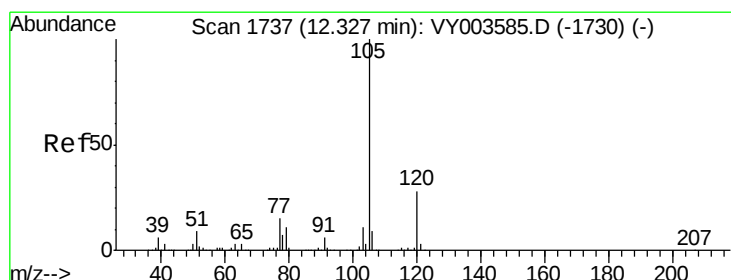
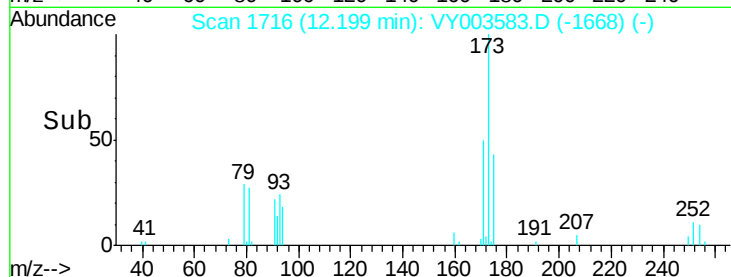
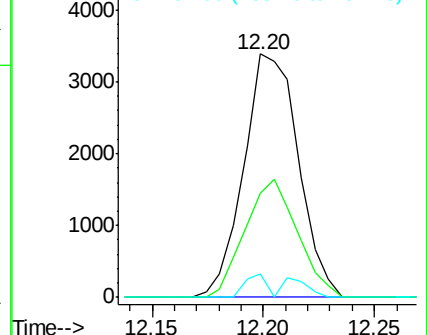
254 3.7 8.5 12.7#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#60

Isopropylbenzene

Concen: 2.007 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003583.D

Acq: 23 Nov 2020 10:23

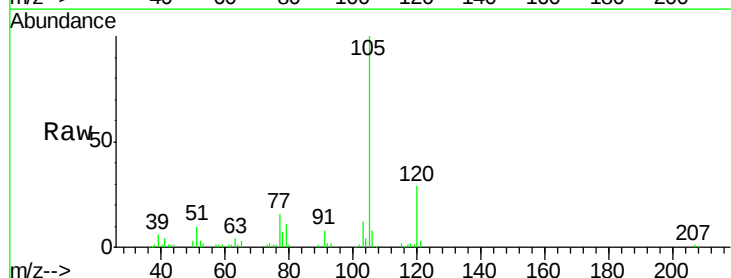
Tgt Ion:105 Resp: 26790

Ion Ratio Lower Upper

105 100

120 28.7 21.8 32.6

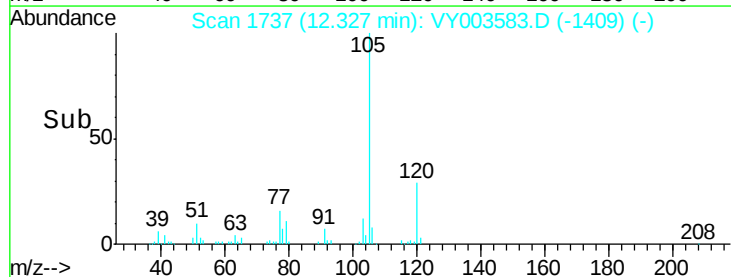
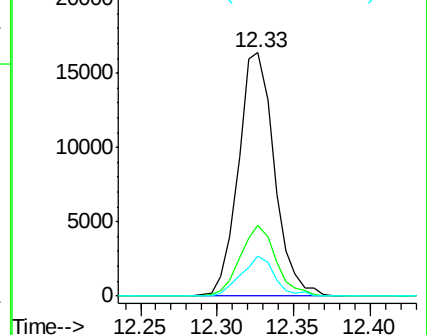
77 14.8 12.0 18.0

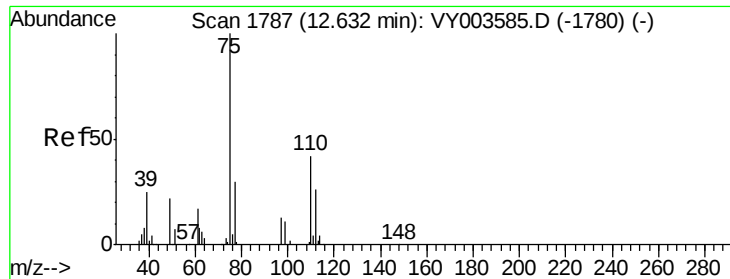


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VY0

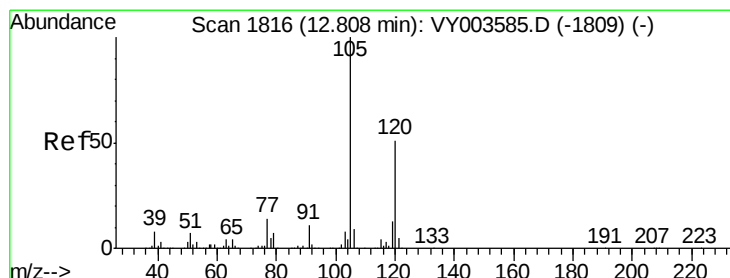
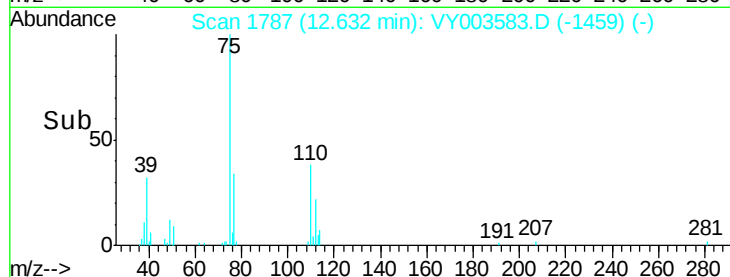
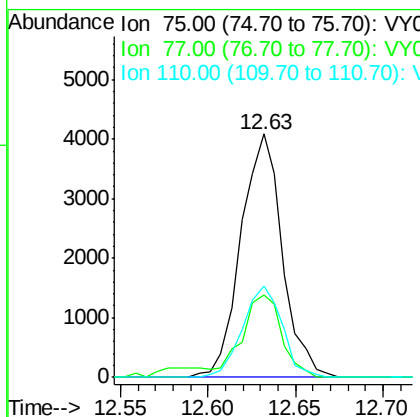
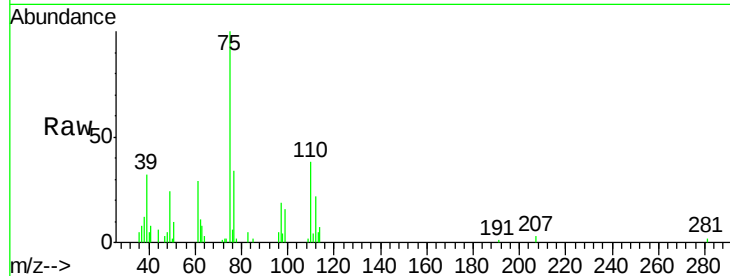




#61
 1,2,3-Trichloropropane
 Concen: 3.025 ug/L
 RT: 12.63 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: VY003583.D
 Acq: 23 Nov 2020 10:23

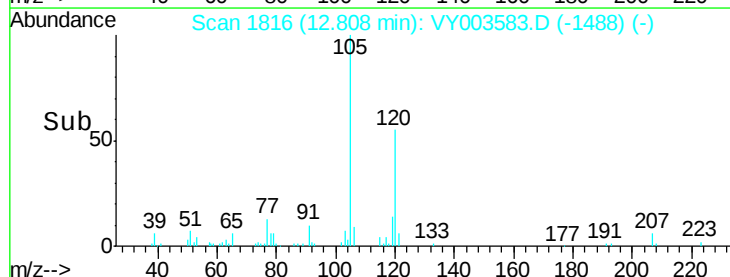
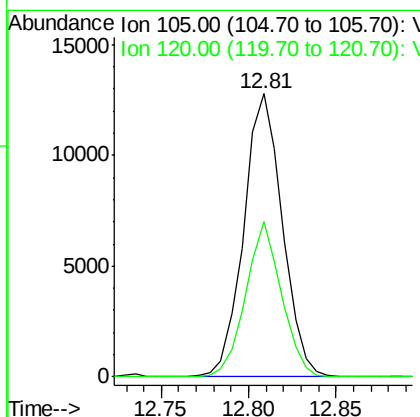
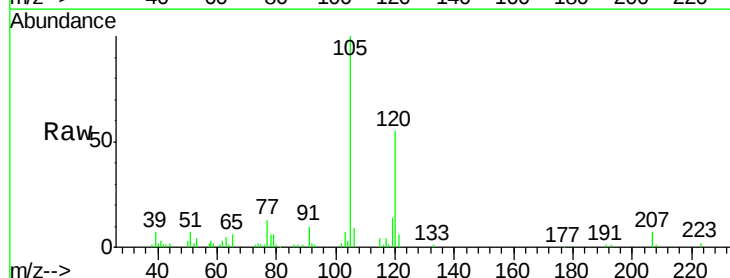
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5402

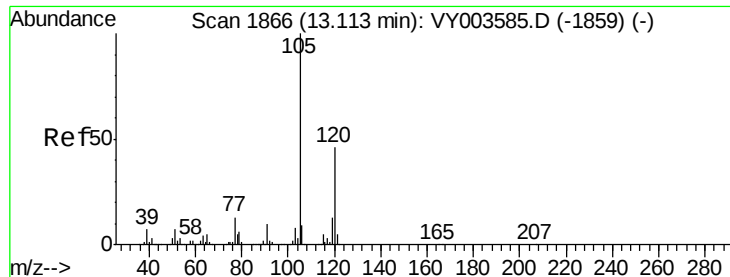
Tgt Ion: 75 Resp: 6749
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.1 39.1
 110 36.2 33.4 50.0



#62
 1,3,5-Trimethylbenzene
 Concen: 1.811 ug/L
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: VY003583.D
 Acq: 23 Nov 2020 10:23

Tgt Ion: 105 Resp: 19615
 Ion Ratio Lower Upper
 105 100
 120 50.6 41.8 62.6

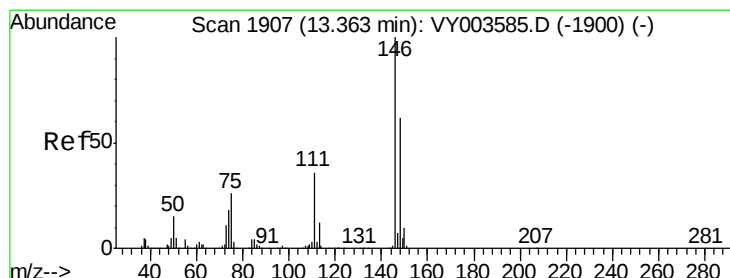
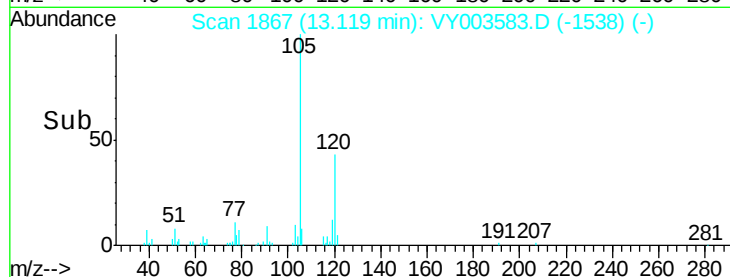
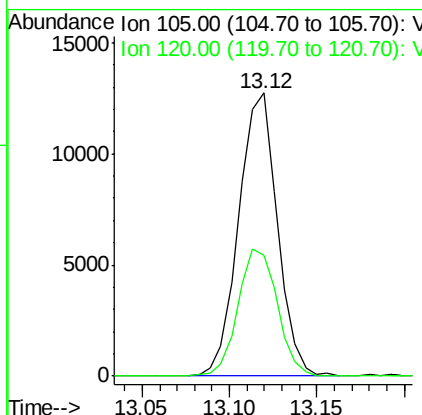
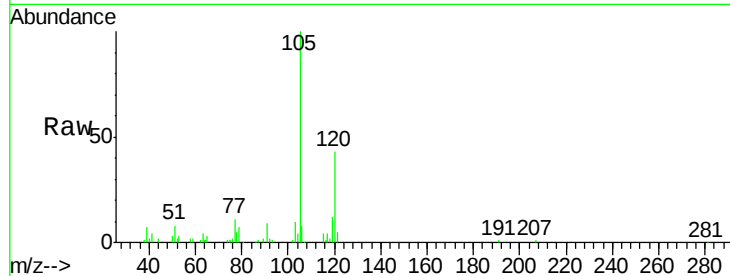




#63
 1,2,4-Trimethylbenzene
 Concen: 1.895 ug/L
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: VY003583.D
 Acq: 23 Nov 2020 10:23

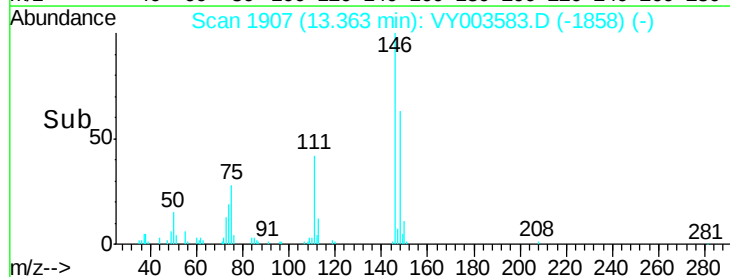
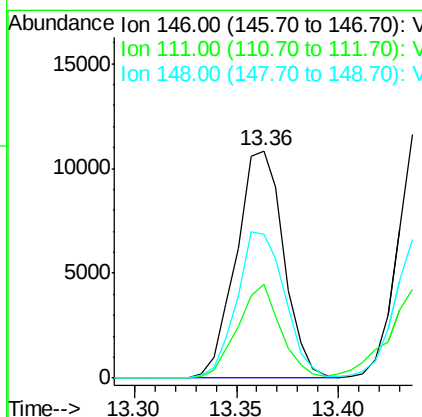
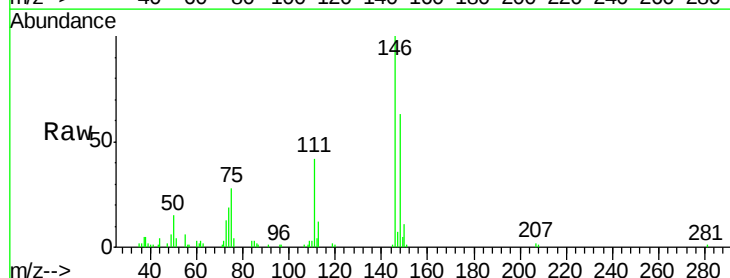
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5402

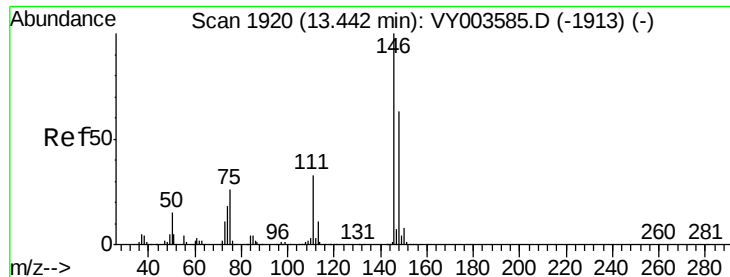
Tgt Ion:105 Resp: 19675
 Ion Ratio Lower Upper
 105 100
 120 45.6 38.2 57.4



#64
 1,3-Dichlorobenzene
 Concen: 2.572 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003583.D
 Acq: 23 Nov 2020 10:23

Tgt Ion:146 Resp: 17506
 Ion Ratio Lower Upper
 146 100
 111 41.5 25.5 47.3
 148 63.4 43.3 80.5

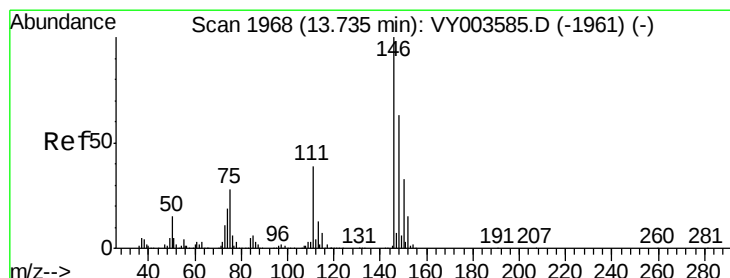
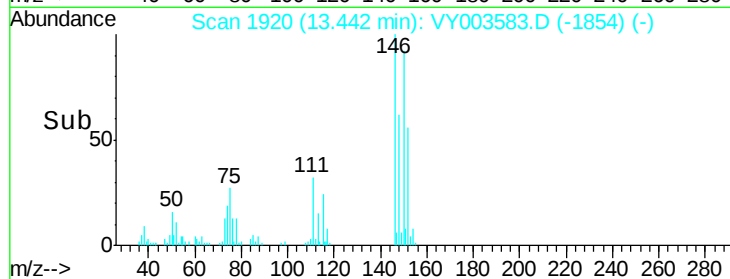
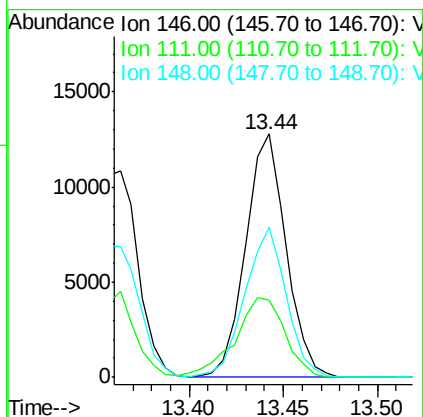
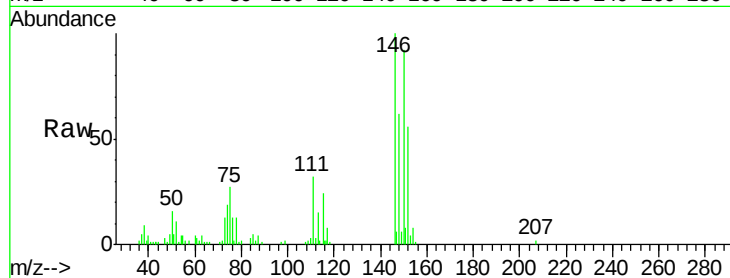




#65
 1,4-Dichlorobenzene
 Concen: 2.763 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003583.D
 Acq: 23 Nov 2020 10:23

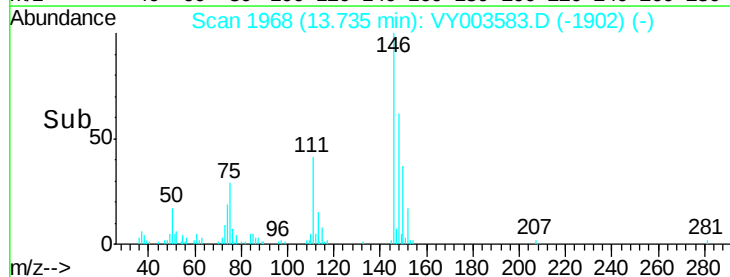
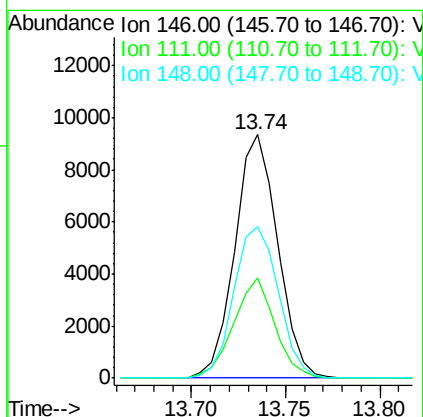
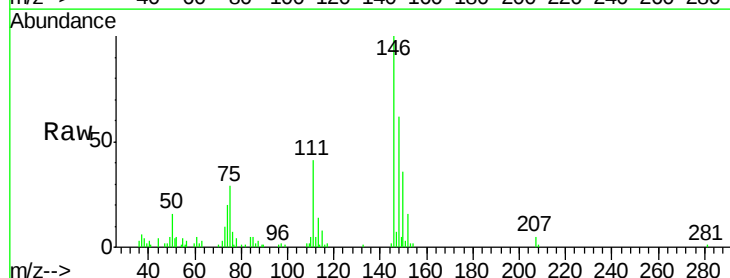
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5402

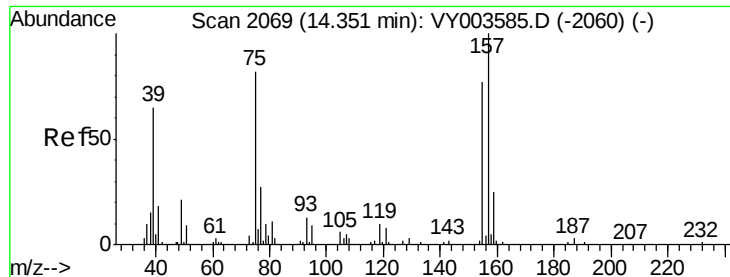
Tgt Ion	Ratio	Lower	Upper
146	100		
111	31.7	23.4	43.6
148	61.5	44.2	82.2



#67
 1,2-Dichlorobenzene
 Concen: 2.396 ug/L
 RT: 13.74 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY003583.D
 Acq: 23 Nov 2020 10:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	31.4	47.2
148	62.3	50.2	75.4

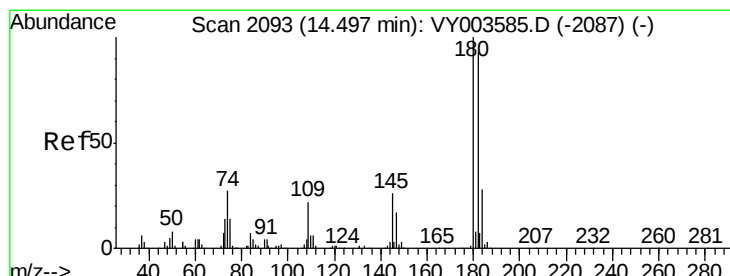
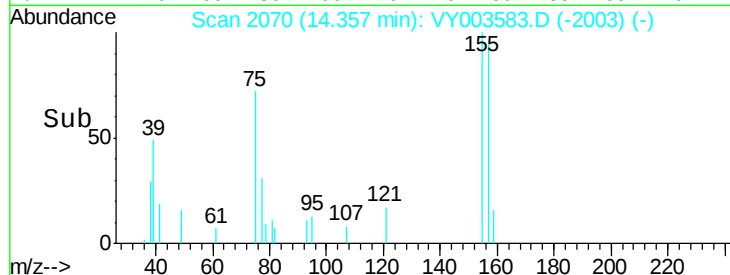
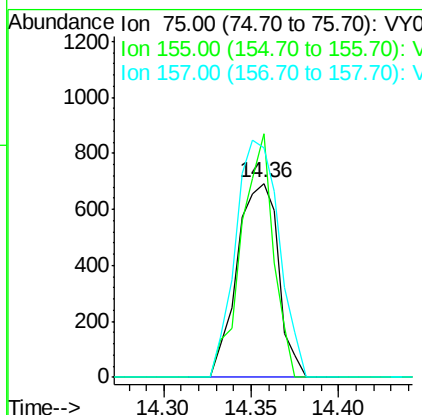
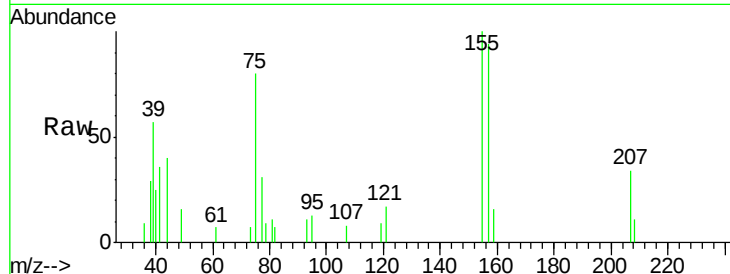




#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.197 ug/L
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.01 min
 Lab File: VY003583.D
 Acq: 23 Nov 2020 10:23

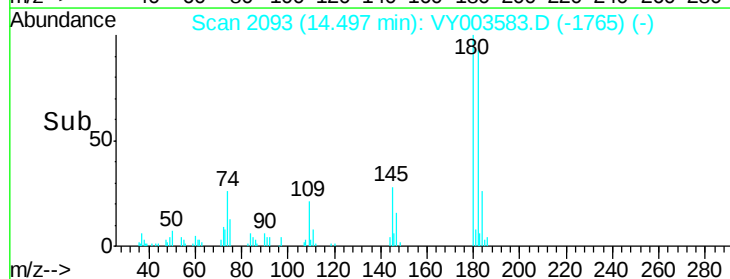
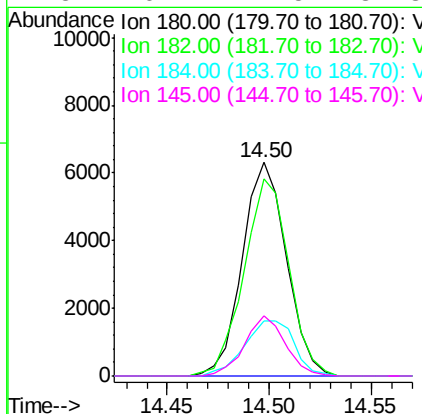
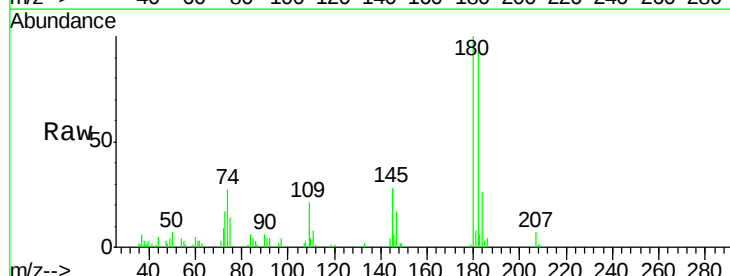
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5402

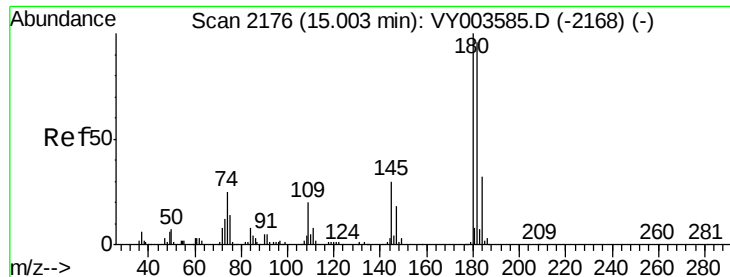
Tgt Ion: 75 Resp: 1141
 Ion Ratio Lower Upper
 75 100
 155 125.5 74.5 111.7#
 157 118.2 97.0 145.6



#69
 1,3,5-Trichlorobenzene
 Concen: 1.958 ug/L
 RT: 14.50 min Scan# 2093
 Delta R.T. -0.00 min
 Lab File: VY003583.D
 Acq: 23 Nov 2020 10:23

Tgt Ion: 180 Resp: 9505
 Ion Ratio Lower Upper
 180 100
 182 93.9 76.6 115.0
 184 29.4 23.5 35.3
 145 26.2 21.5 32.3

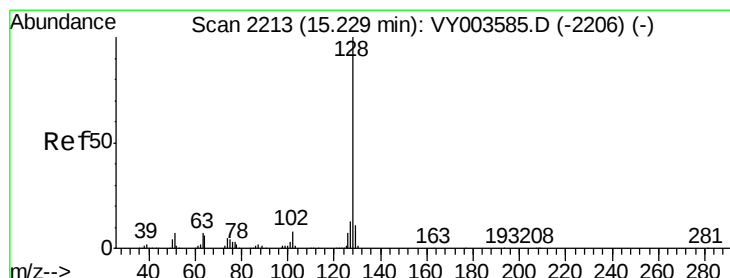
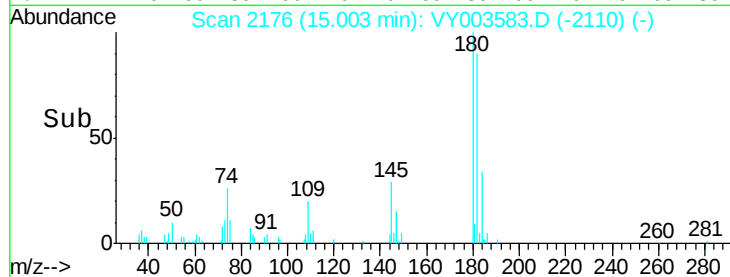
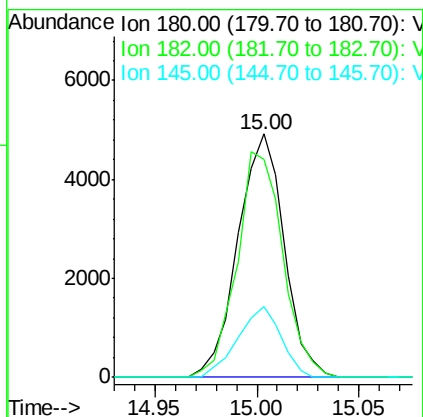
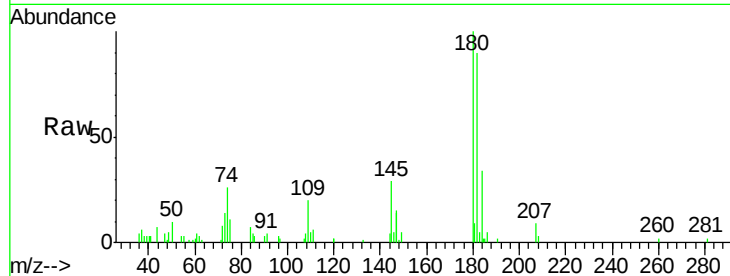




#70
1,2,4-trichlorobenzene
Concen: 1.902 ug/L
RT: 15.00 min Scan# 2176
Delta R.T. -0.00 min
Lab File: VY003583.D
Acq: 23 Nov 2020 10:23

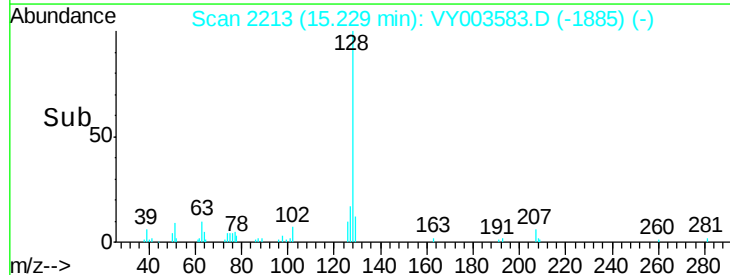
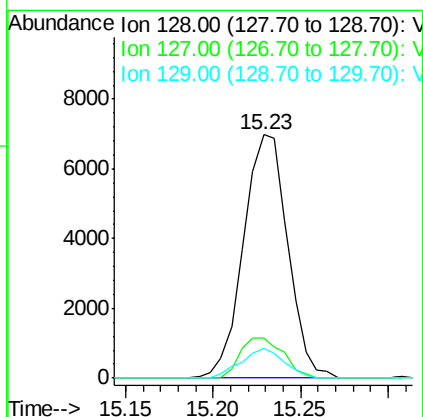
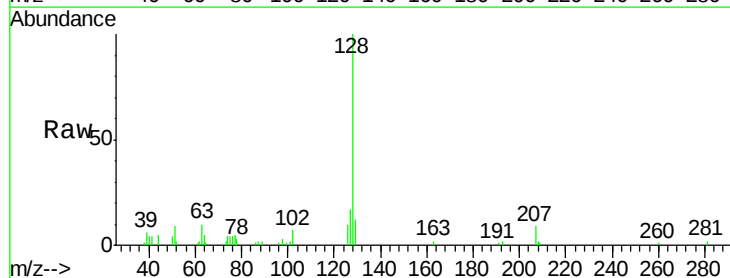
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.5402

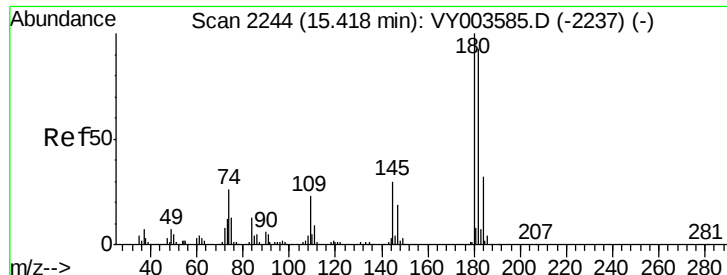
Tgt Ion:180 Resp: 7735
Ion Ratio Lower Upper
180 100
182 92.1 75.7 113.5
145 27.2 22.5 33.7



#71
Naphthalene
Concen: 1.677 ug/L
RT: 15.23 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VY003583.D
Acq: 23 Nov 2020 10:23

Tgt Ion:128 Resp: 12299
Ion Ratio Lower Upper
128 100
127 16.1 10.6 15.8#
129 11.8 9.3 13.9





#72
 1,2,3-Trichlorobenzene
 Concen: 1.640 ug/L
 RT: 15.42 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VY003583.D
 Acq: 23 Nov 2020 10:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5402

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.7	75.0	112.4
145	30.4	23.6	35.4

