

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111920\
 Data File : VY003541.D
 Acq On : 19 Nov 2020 11:25
 Operator : SY/MD
 Sample : VSTD2.582
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.582

Quant Time: Nov 19 12:25:46 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	232074	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	207577	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	99497	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	7726	3.92	ug/L	0.00
7) Chloroethane-d5	2.78	69	7442	3.26	ug/L	0.01
10) 1,1-Dichloroethene-d2	3.86	63	18937	3.12	ug/L	0.00
20) 2-Butanone-d5	6.91	46	6468	5.29	ug/L	0.00
24) Chloroform-d	7.49	84	16686	2.85	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.14	65	9717	2.95	ug/L	0.00
29) Benzene-d6	8.11	84	34476	2.87	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.12	67	9836	2.75	ug/L	0.00
37) Toluene-d8	10.18	98	29919	2.80	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	4884	2.80	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	4411	4.98	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	8323	2.79	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	9131	2.90	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.92	85	2386	1.848 ug/L	98
3) Chloromethane	2.12	50	7039	2.682 ug/L	92
5) Vinyl chloride	2.26	62	7398	2.928 ug/L	100
6) Bromomethane	2.67	94	6084	2.625 ug/L	98
8) Chloroethane	2.80	64	3071	1.522 ug/L	94
9) Trichlorofluoromethane	3.13	101	7084	2.454 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	3.90	101	3587	1.206 ug/L #	28
12) 1,1-Dichloroethene	3.88	96	7991	2.501 ug/L	86
13) Acetone	3.97	43	3483	3.739 ug/L	77
14) Carbon disulfide	4.20	76	27566	2.675 ug/L	97
15) Methyl Acetate	4.49	43	6390	2.826 ug/L	97
16) Methylene chloride	4.72	84	13994	3.138 ug/L	96
17) Methyl tert-butyl Ether	5.22	73	12637	2.503 ug/L #	69
18) trans-1,2-Dichloroethene	5.23	96	8834	2.587 ug/L	95
19) 1,1-Dichloroethane	6.03	63	14566	2.495 ug/L	98
21) 2-Butanone	7.00	43	9115	6.014 ug/L	91
22) cis-1,2-Dichloroethene	6.99	96	8724	2.442 ug/L	94
23) Bromochloromethane	7.34	128	2835	1.649 ug/L #	90
25) Chloroform	7.51	83	14794	2.586 ug/L	99
27) 1,2-Dichloroethane	8.24	62	9785	2.529 ug/L #	93
30) Cyclohexane	7.78	56	12153	2.464 ug/L	95
31) 1,1,1-Trichloroethane	7.71	97	11673	2.684 ug/L	98
34) Benzene	8.16	78	34187	2.589 ug/L	100
35) Trichloroethene	8.94	95	8922	2.697 ug/L	95
36) Methylcyclohexane	9.18	83	12733	2.486 ug/L	99
40) 1,2-Dichloropropane	9.22	63	8387	2.563 ug/L #	94
41) Bromodichloromethane	9.50	83	10450	2.492 ug/L #	96
42) cis-1,3-Dichloropropene	9.93	75	12259	2.383 ug/L	91
43) 4-Methyl-2-pentanone	10.07	43	12864	4.627 ug/L	98
44) Toluene	10.24	91	34679	2.530 ug/L	96

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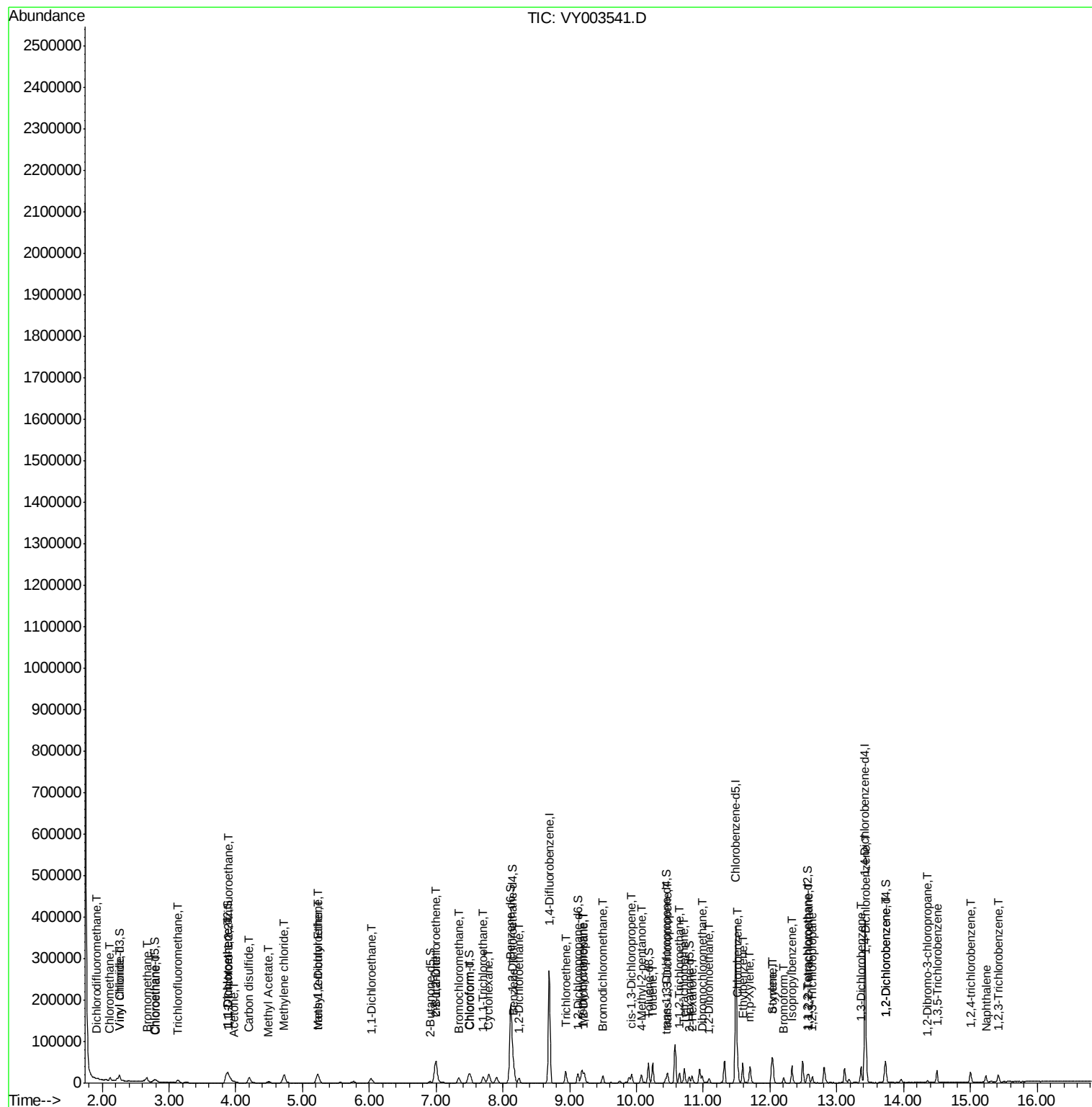
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.47	75	11661	2.485	ug/L	99
46) 1,1,2-Trichloroethane	10.64	97	6452	2.456	ug/L	93
47) Tetrachloroethene	10.72	164	7380	2.530	ug/L	97
49) 2-Hexanone	10.83	43	10172	4.939	ug/L	99
50) Dibromochloromethane	10.99	129	7827	2.530	ug/L	99
51) 1,2-Dibromoethane	11.09	107	6412	2.458	ug/L	93
52) Chlorobenzene	11.52	112	22812	2.594	ug/L	97
53) Ethylbenzene	11.60	91	34638	2.487	ug/L	99
54) m,p-Xylene	11.70	106	13328	2.456	ug/L	98
55) o-xylene	12.03	106	10706	2.345	ug/L	97
56) Styrene	12.05	104	20405	2.302	ug/L	99
57) Isopropylbenzene	12.33	105	25254	2.510	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	7975	2.718	ug/L #	96
59) 1,2,3-Trichloropropane	12.63	75	6075	2.658	ug/L	98
62) Bromoform	12.20	173	5130	2.505	ug/L	98
63) 1,3-Dichlorobenzene	13.36	146	16528	2.634	ug/L	93
64) 1,4-Dichlorobenzene	13.44	146	17705	2.742	ug/L	94
65) 1,2-Dichlorobenzene	13.73	146	13377	2.596	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.36	75	1247	3.082	ug/L #	82
67) 1,3,5-Trichlorobenzene	14.50	180	8710	2.654	ug/L	99
68) 1,2,4-trichlorobenzene	15.00	180	7105	2.495	ug/L	99
69) Naphthalene	15.23	128	11834	2.346	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	5473	2.538	ug/L	98

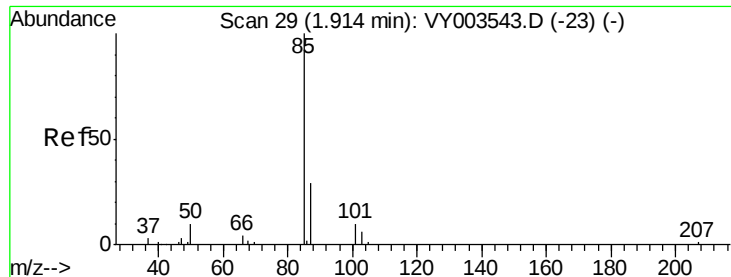
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.848 ug/L

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY003541.D

Acq: 19 Nov 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

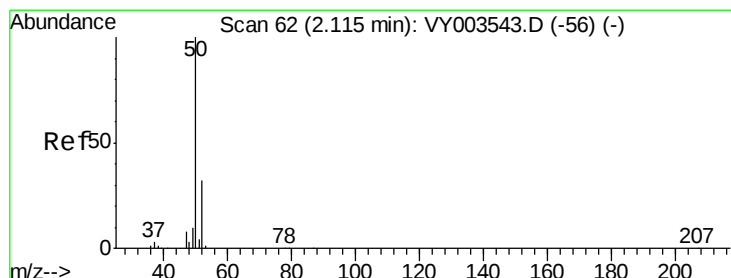
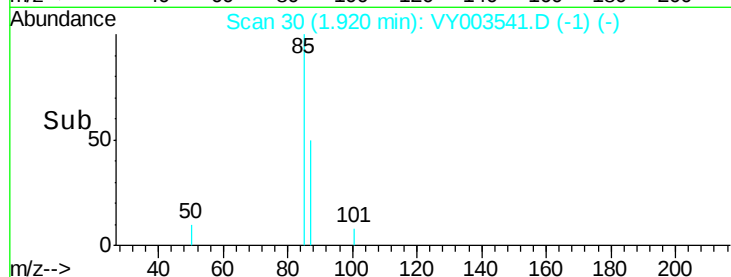
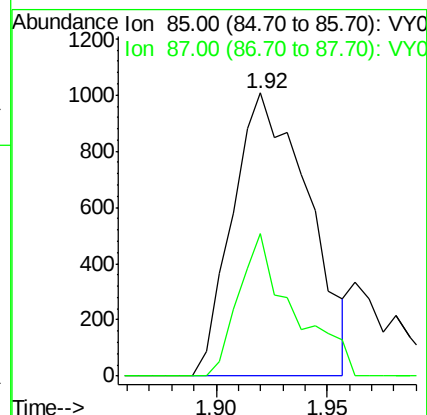
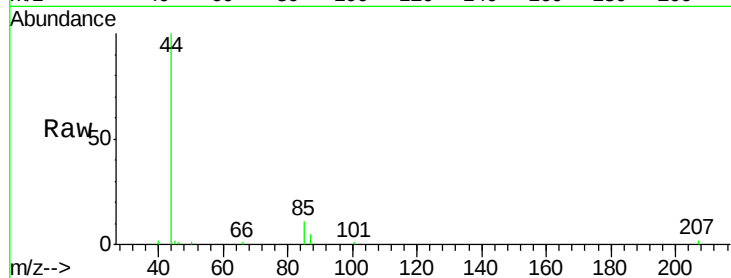
VSTD2.582

Tgt Ion: 85 Resp: 2386

Ion Ratio Lower Upper

85 100

87 29.4 21.3 39.5



#3

Chloromethane

Concen: 2.682 ug/L

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003541.D

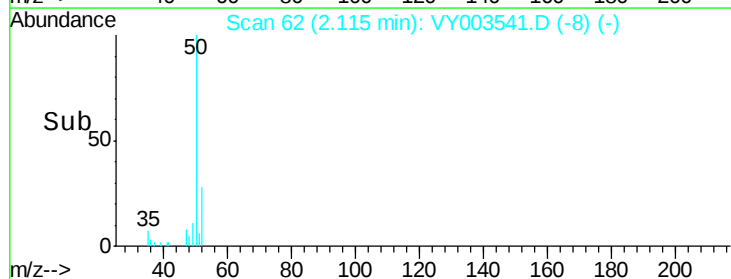
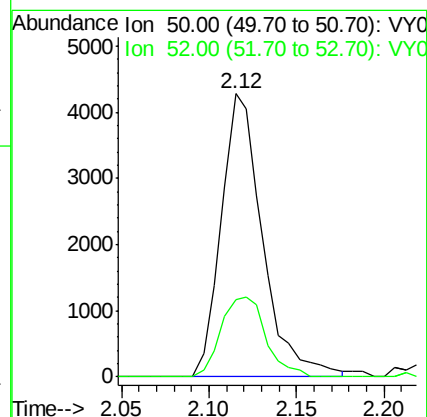
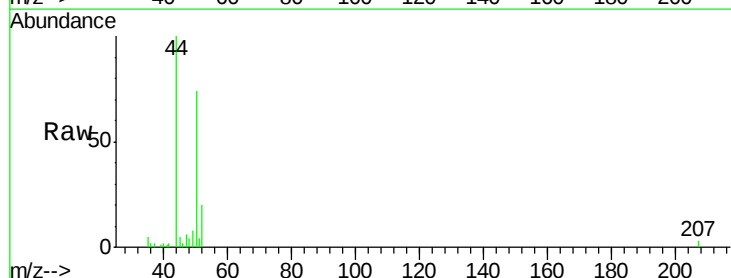
Acq: 19 Nov 2020 11:25

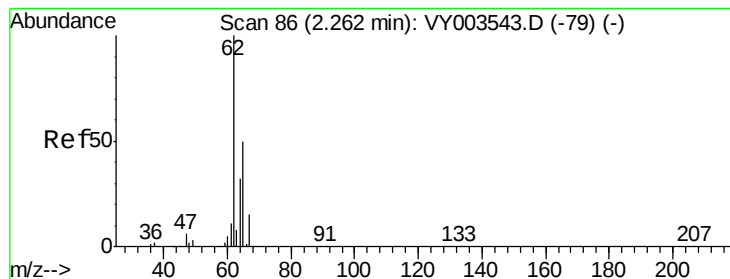
Tgt Ion: 50 Resp: 7039

Ion Ratio Lower Upper

50 100

52 27.5 22.4 41.6





#5

Vinyl chloride

Concen: 2.928 ug/L

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY003541.D

Acq: 19 Nov 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

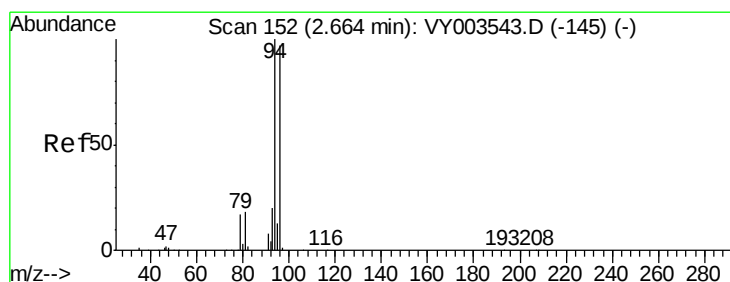
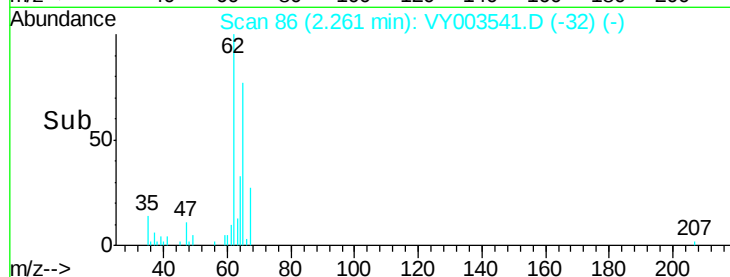
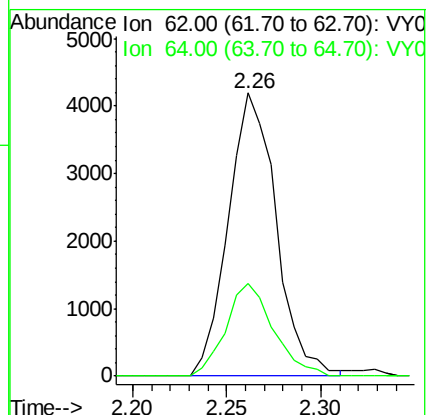
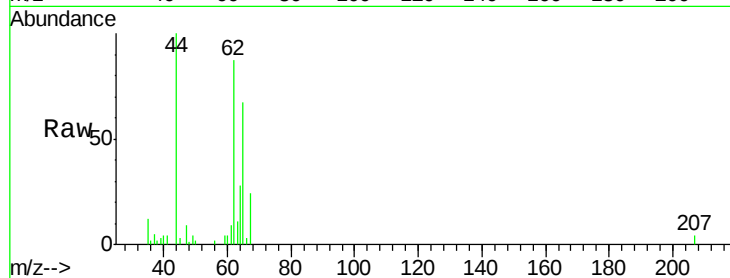
VSTD2.582

Tgt Ion: 62 Resp: 7398

Ion Ratio Lower Upper

62 100

64 32.6 22.7 42.1



#6

Bromomethane

Concen: 2.625 ug/L

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY003541.D

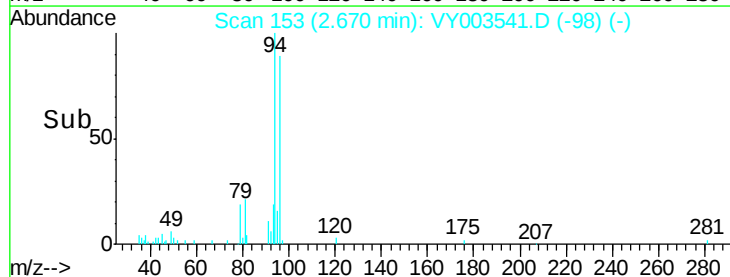
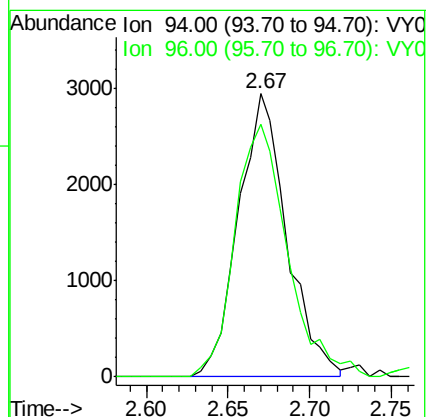
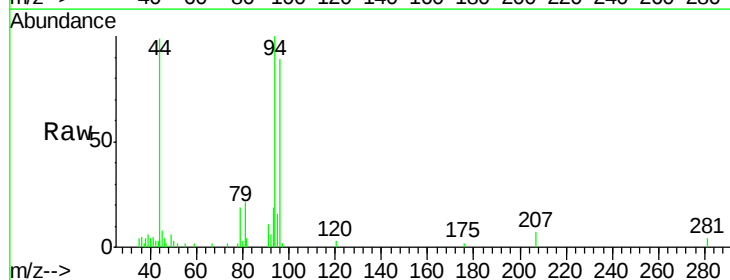
Acq: 19 Nov 2020 11:25

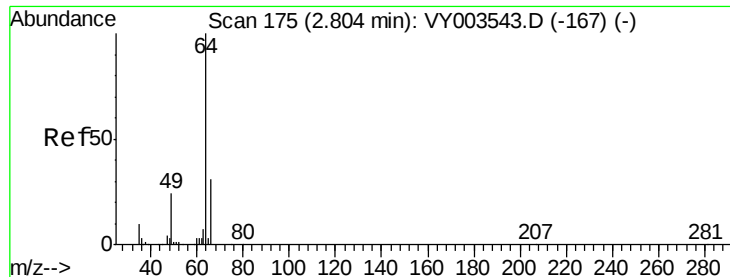
Tgt Ion: 94 Resp: 6084

Ion Ratio Lower Upper

94 100

96 95.6 9.4 178.6

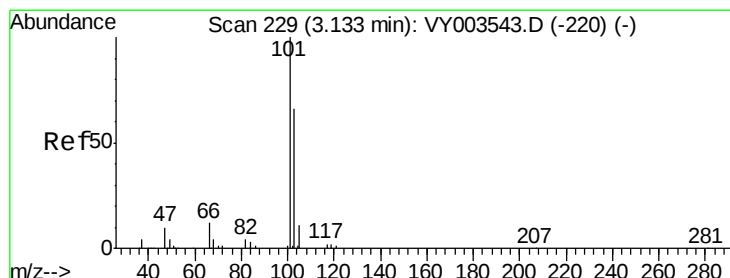
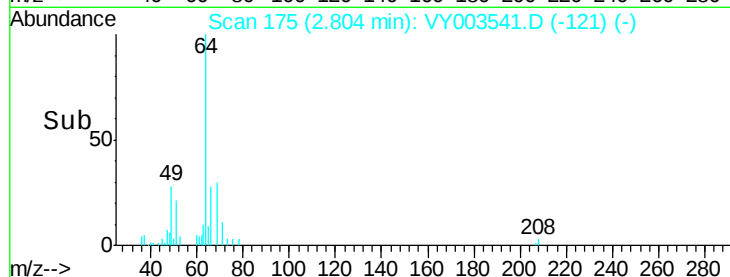
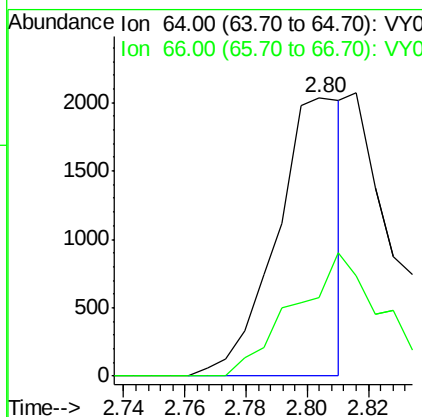
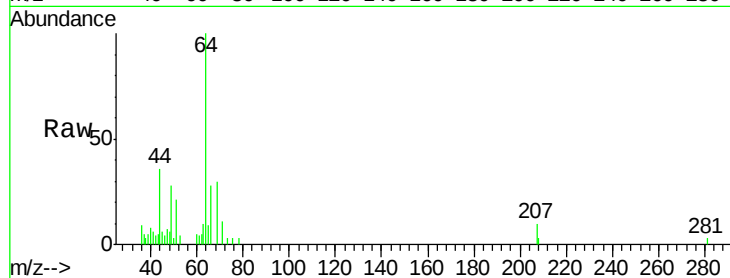




#8
Chloroethane
Concen: 1.522 ug/L
RT: 2.80 min Scan# 175
Delta R.T. -0.00 min
Lab File: VY003541.D
Acq: 19 Nov 2020 11:25

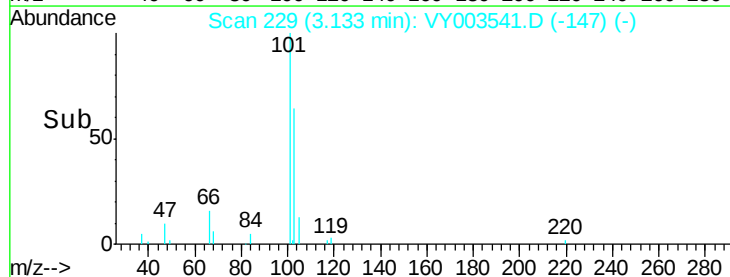
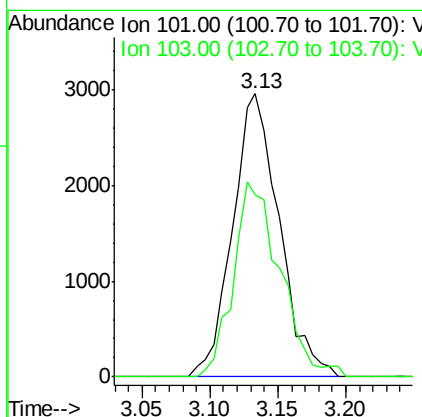
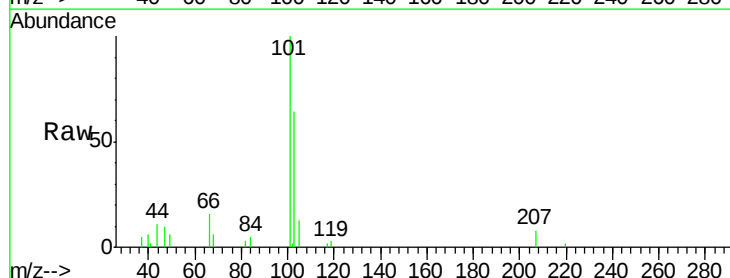
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.582

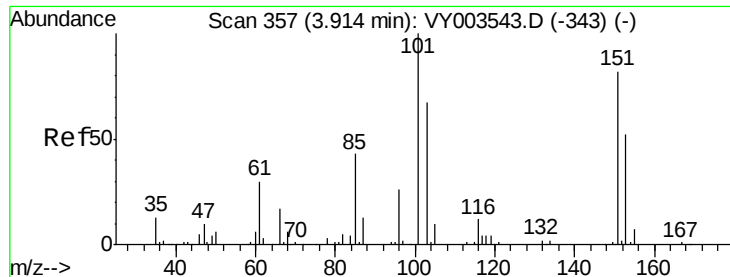
Tgt Ion: 64 Resp: 3071
Ion Ratio Lower Upper
64 100
66 28.0 21.8 40.6



#9
Trichlorofluoromethane
Concen: 2.454 ug/L
RT: 3.13 min Scan# 229
Delta R.T. -0.00 min
Lab File: VY003541.D
Acq: 19 Nov 2020 11:25

Tgt Ion: 101 Resp: 7084
Ion Ratio Lower Upper
101 100
103 67.6 45.6 84.6





#11

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

Concen: 1.206 ug/L

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY003541.D

Acq: 19 Nov 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.582

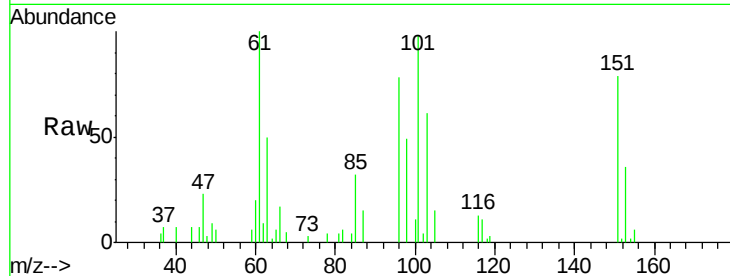
Tgt Ion: 101 Resp: 3587

Ion Ratio Lower Upper

101 100

85 65.3 35.0 52.4#

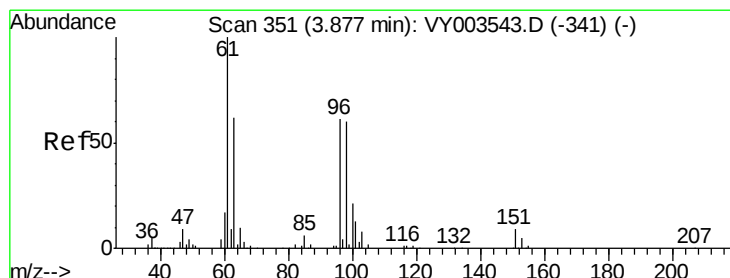
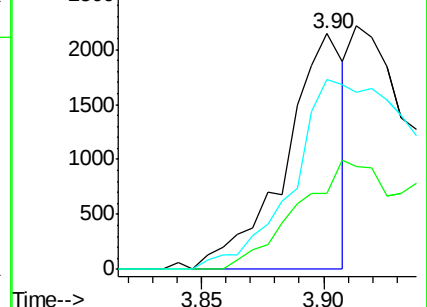
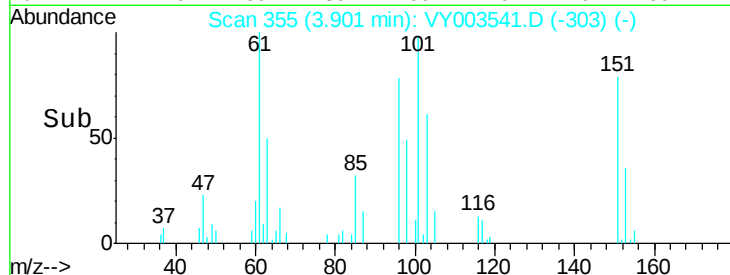
151 163.8 65.4 98.0#



Abundance Ion 101.00 (100.70 to 101.70): VY003541.D (-303) (-)

Ion 85.00 (84.70 to 85.70): VY003541.D (-303) (-)

Ion 151.00 (150.70 to 151.70): VY003541.D (-303) (-)



#12

1,1-Dichloroethene

Concen: 2.501 ug/L

RT: 3.88 min Scan# 351

Delta R.T. -0.00 min

Lab File: VY003541.D

Acq: 19 Nov 2020 11:25

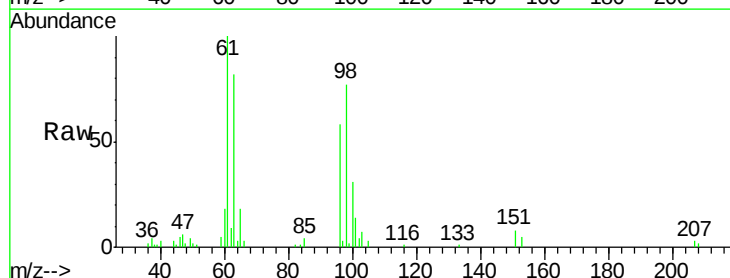
Tgt Ion: 96 Resp: 7991

Ion Ratio Lower Upper

96 100

61 172.3 116.6 216.6

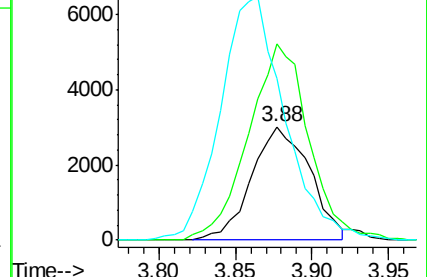
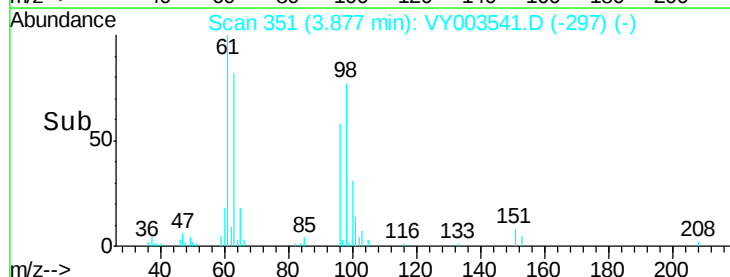
63 141.9 77.5 143.9

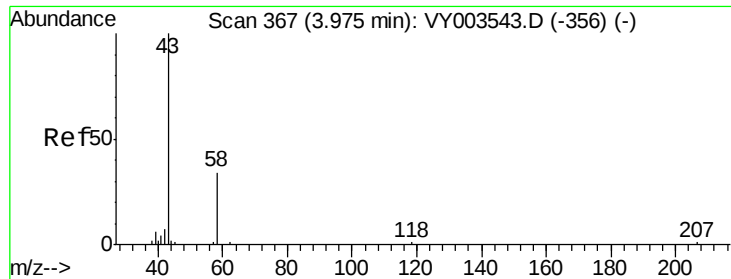


Abundance Ion 96.00 (95.70 to 96.70): VY003541.D (-297) (-)

Ion 61.00 (60.70 to 61.70): VY003541.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VY003541.D (-297) (-)





#13

Acetone

Concen: 3.739 ug/L

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

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ClientSampleId :

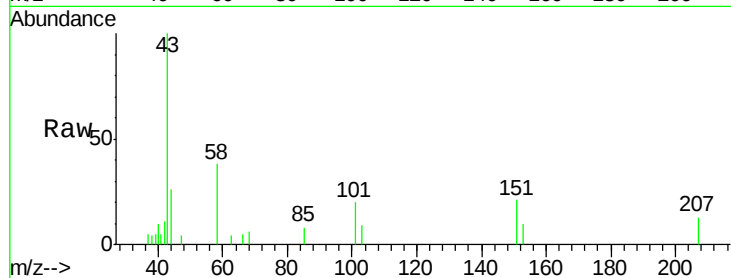
VSTD2.582

Tgt Ion: 43 Resp: 3483

Ion Ratio Lower Upper

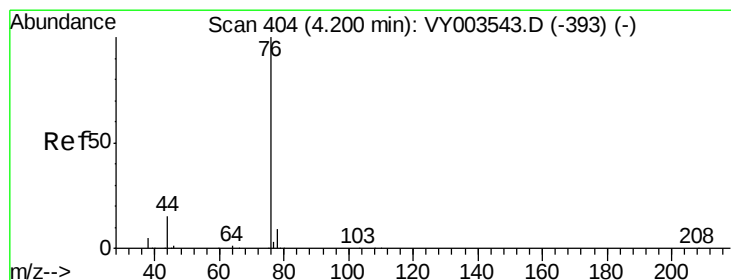
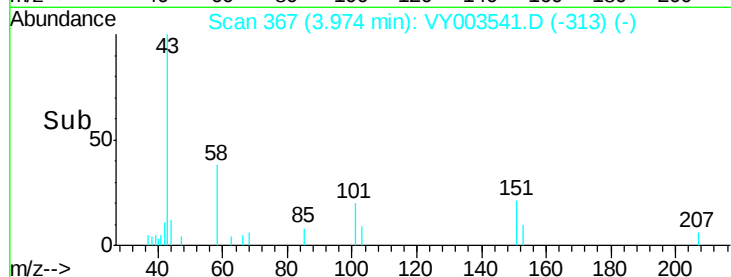
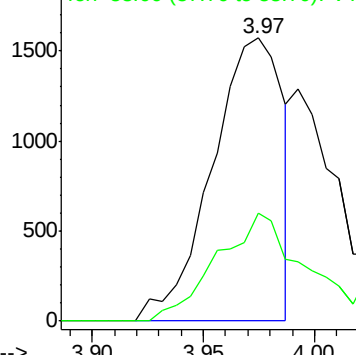
43 100

58 46.4 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 2.675 ug/L

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003541.D

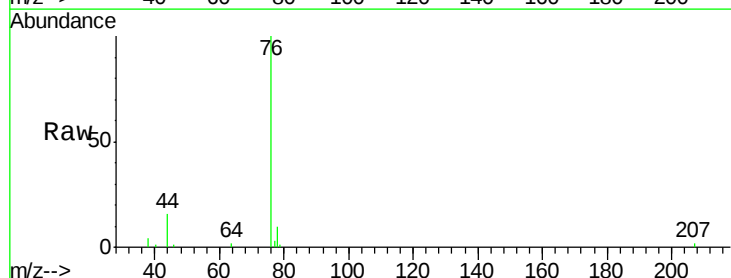
Acq: 19 Nov 2020 11:25

Tgt Ion: 76 Resp: 27566

Ion Ratio Lower Upper

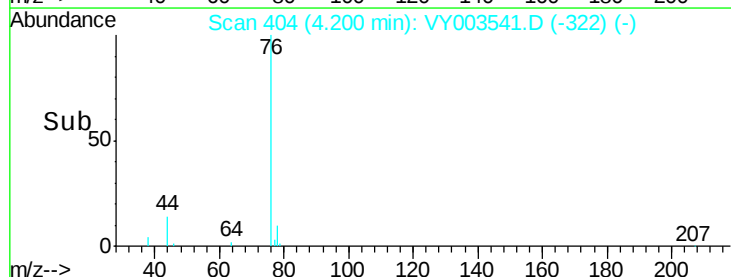
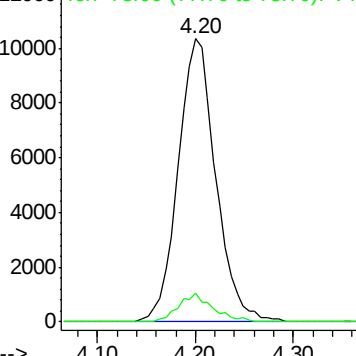
76 100

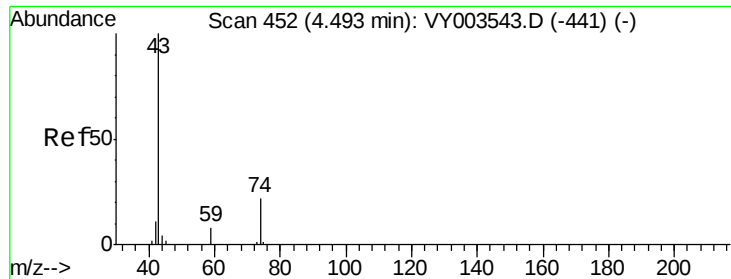
78 10.4 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

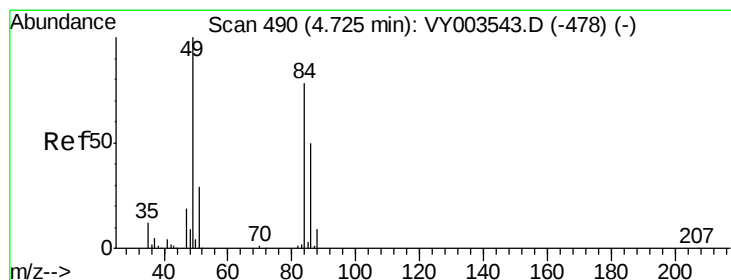
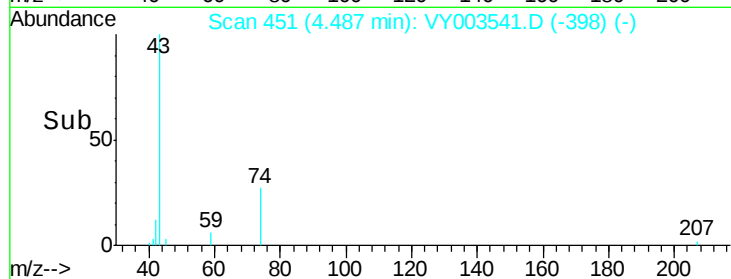
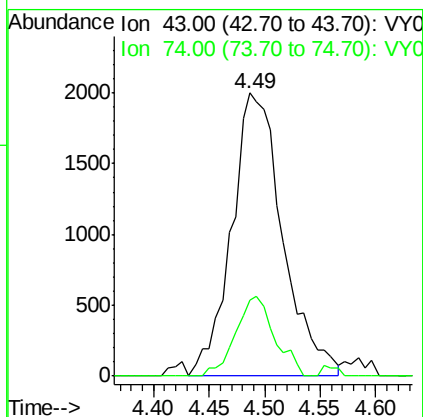
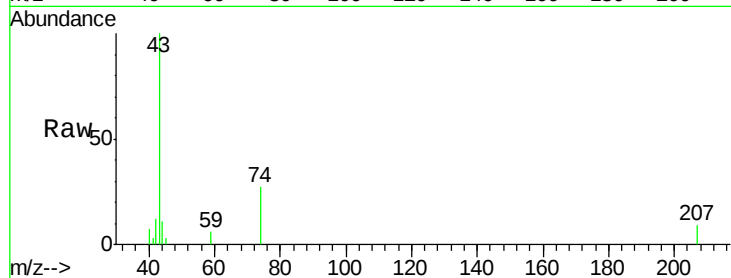




#15
Methyl Acetate
Concen: 2.826 ug/L
RT: 4.49 min Scan# 451
Delta R.T. -0.01 min
Lab File: VY003541.D
Acq: 19 Nov 2020 11:25

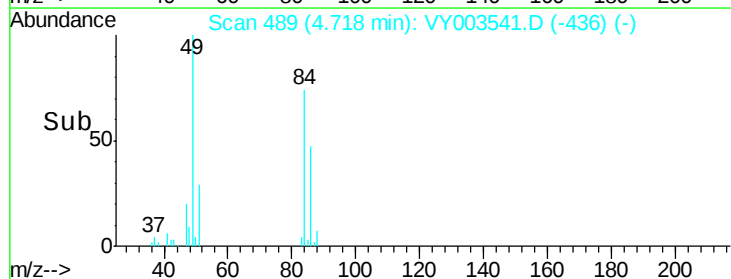
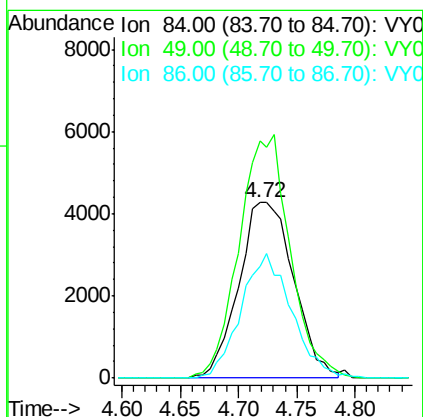
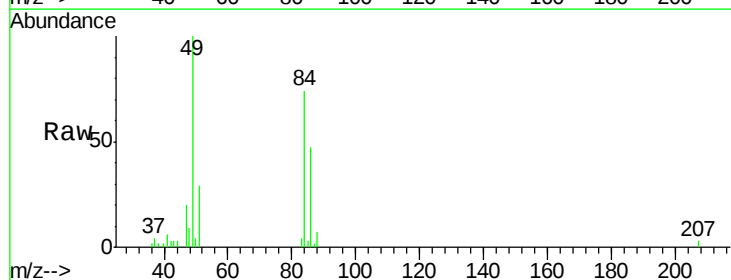
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.582

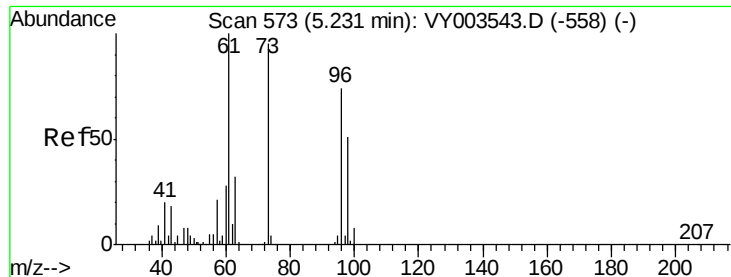
Tgt Ion: 43 Resp: 6390
Ion Ratio Lower Upper
43 100
74 21.3 18.2 27.2



#16
Methylene chloride
Concen: 3.138 ug/L
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY003541.D
Acq: 19 Nov 2020 11:25

Tgt Ion: 84 Resp: 13994
Ion Ratio Lower Upper
84 100
49 135.3 90.3 167.7
86 64.0 44.7 83.1

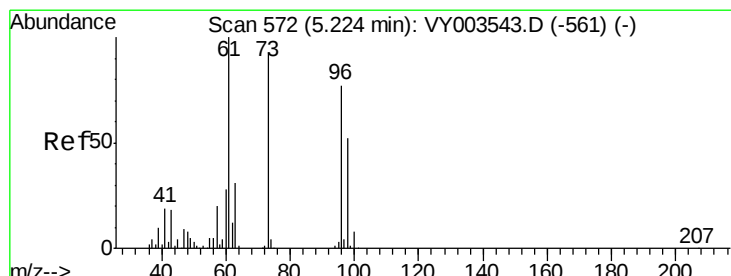
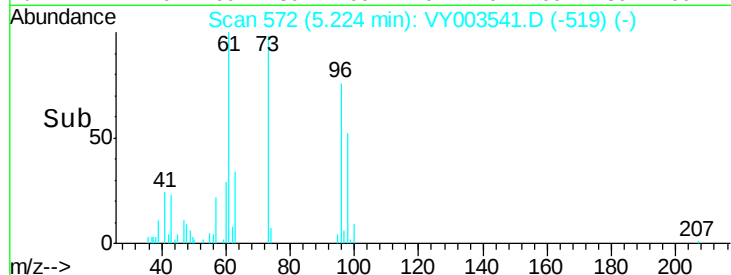
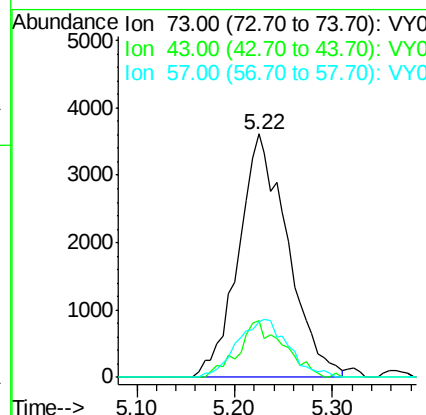
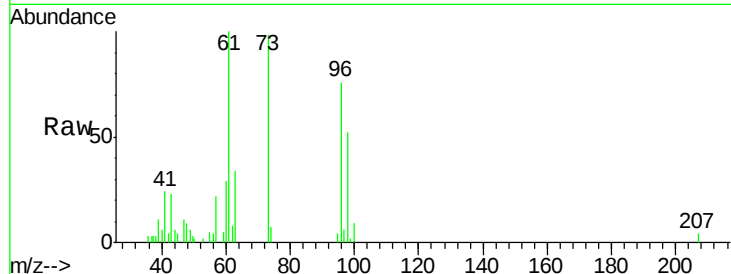




#17
Methyl tert-butyl Ether
Concen: 2.503 ug/L
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY003541.D
Acq: 19 Nov 2020 11:25

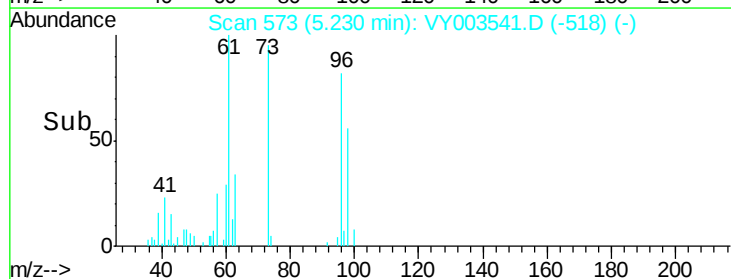
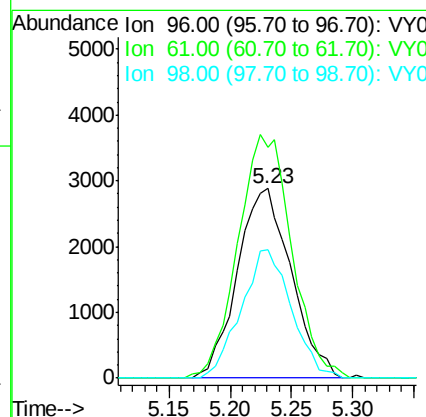
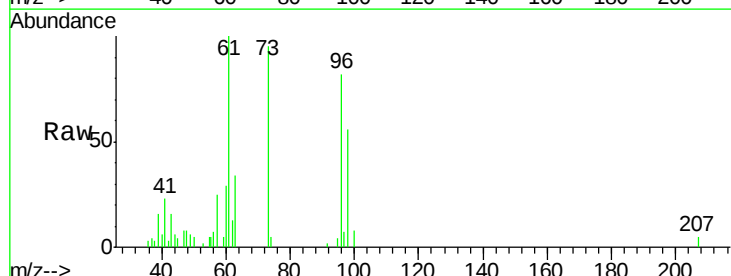
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.582

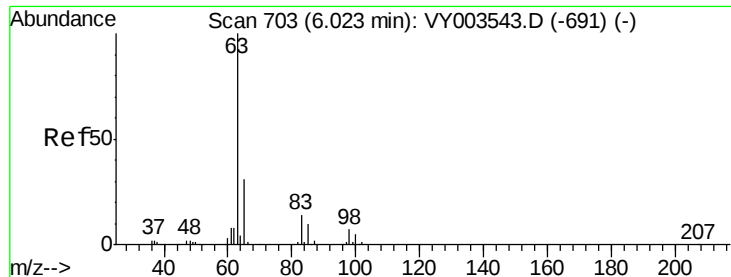
Tgt Ion: 73 Resp: 12637
Ion Ratio Lower Upper
73 100
43 5.3 15.9 23.9#
57 24.8 10.5 15.7#



#18
trans-1,2-Dichloroethene
Concen: 2.587 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY003541.D
Acq: 19 Nov 2020 11:25

Tgt Ion: 96 Resp: 8834
Ion Ratio Lower Upper
96 100
61 121.6 90.8 168.6
98 67.7 46.8 87.0





#19

1,1-Dichloroethane

Concen: 2.495 ug/L

RT: 6.03 min Scan# 704

Delta R.T. 0.01 min

Lab File: VY003541.D

Acq: 19 Nov 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.582

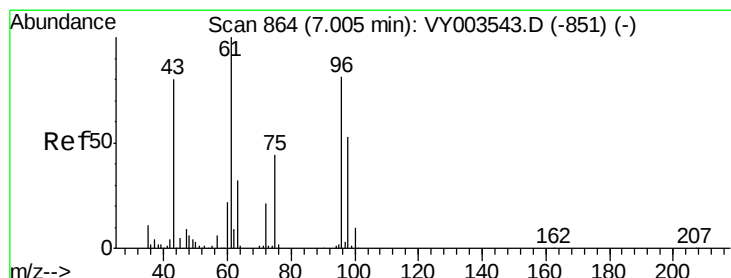
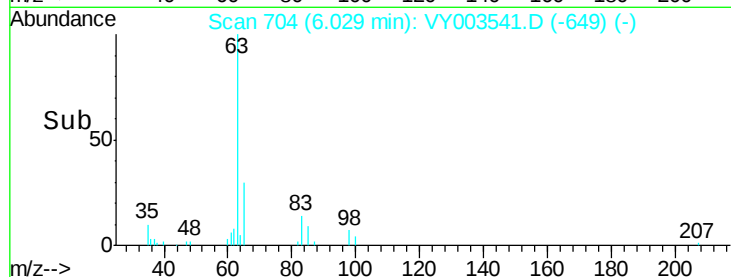
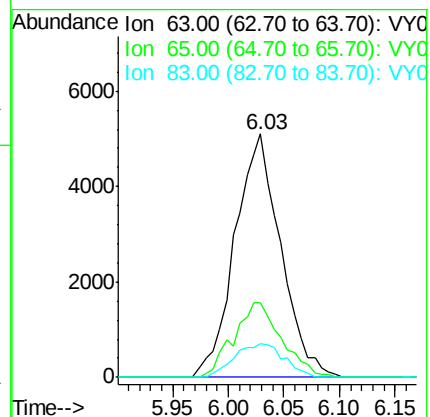
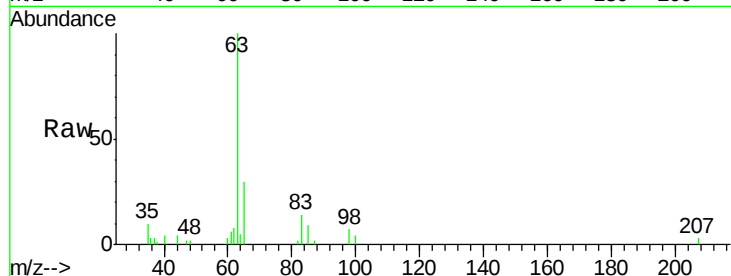
Tgt Ion: 63 Resp: 14566

Ion Ratio Lower Upper

63 100

65 30.4 22.0 40.8

83 13.7 9.9 18.5



#21

2-Butanone

Concen: 6.014 ug/L

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY003541.D

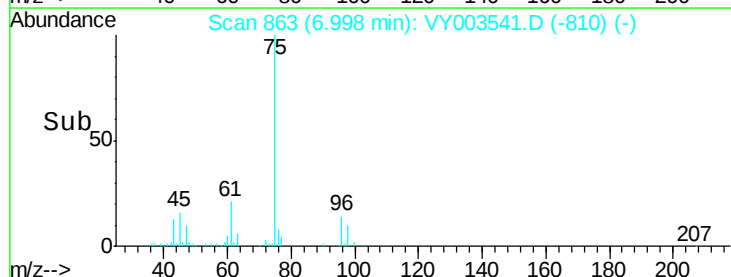
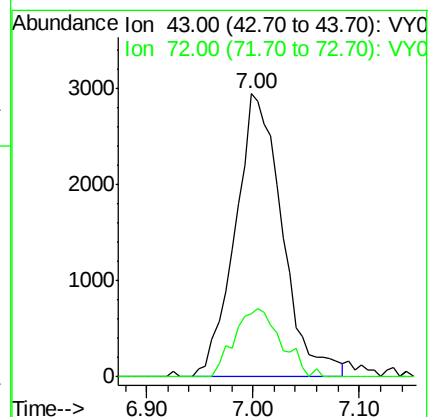
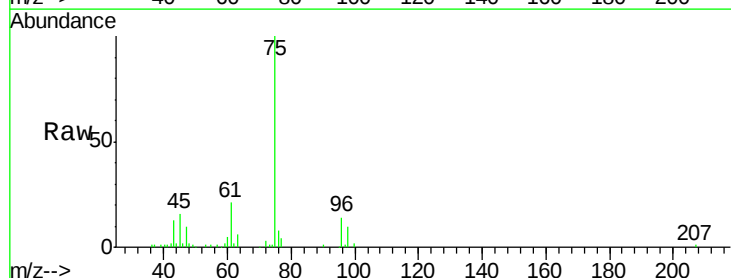
Acq: 19 Nov 2020 11:25

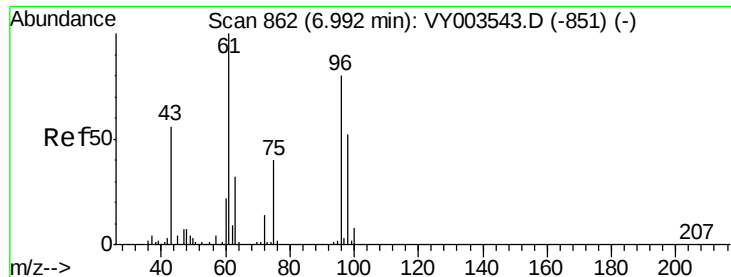
Tgt Ion: 43 Resp: 9115

Ion Ratio Lower Upper

43 100

72 22.0 13.2 39.6



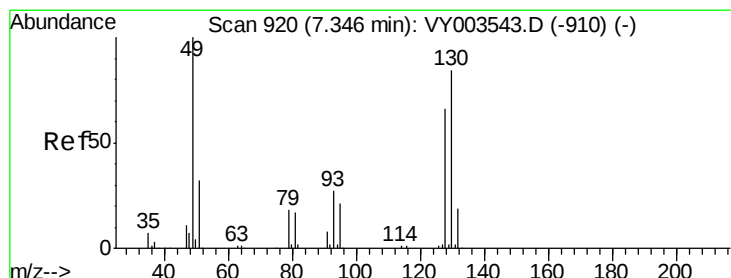
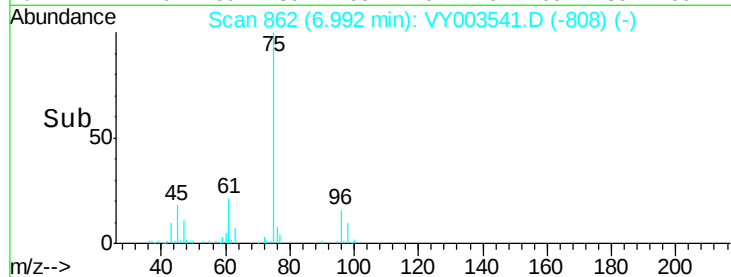
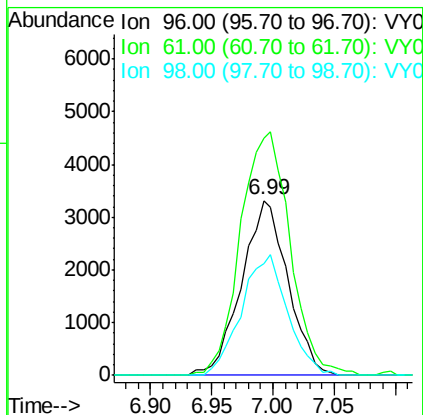
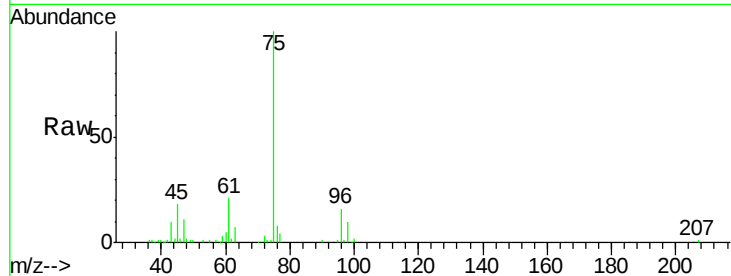


#22

cis-1,2-Dichloroethene
Concen: 2.442 ug/L
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003541.D
Acq: 19 Nov 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.582

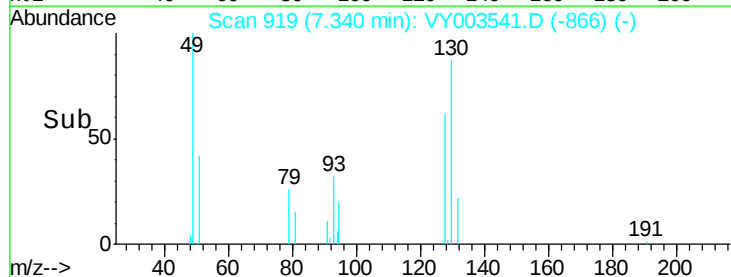
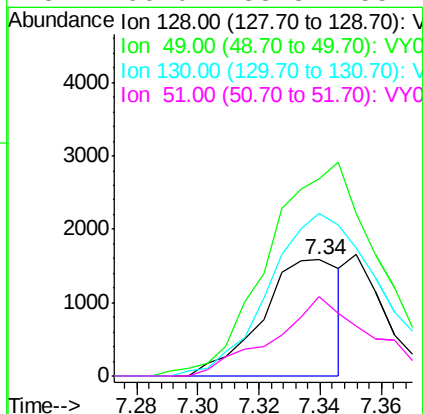
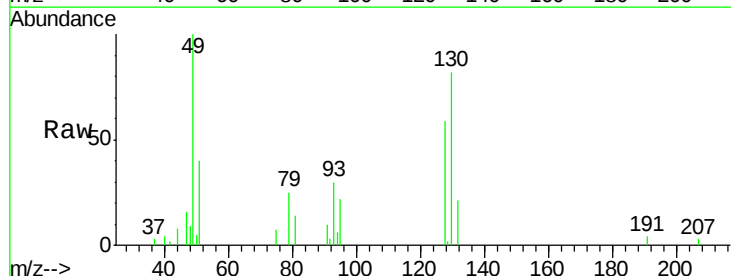
Tgt Ion: 96 Resp: 8724
Ion Ratio Lower Upper
96 100
61 135.8 88.1 163.5
98 63.6 45.6 84.6

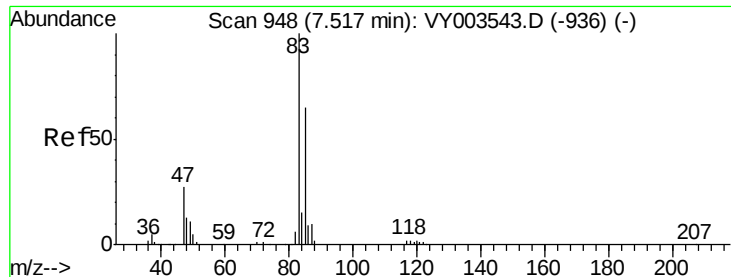


#23

Bromochloromethane
Concen: 1.649 ug/L
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY003541.D
Acq: 19 Nov 2020 11:25

Tgt Ion: 128 Resp: 2835
Ion Ratio Lower Upper
128 100
49 163.7 107.3 199.3
130 134.7 89.3 165.9
51 66.0 38.8 58.2#





#25

Chloroform

Concen: 2.586 ug/L

RT: 7.51 min Scan# 947

Delta R.T. -0.01 min

Lab File: VY003541.D

Acq: 19 Nov 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

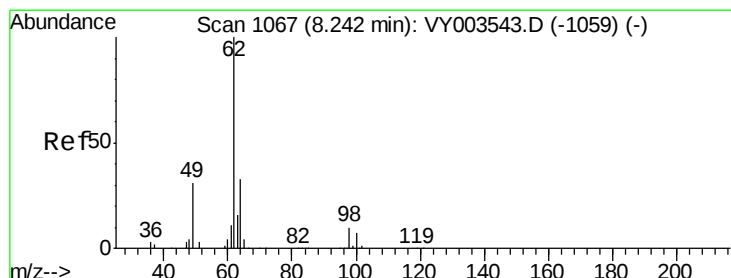
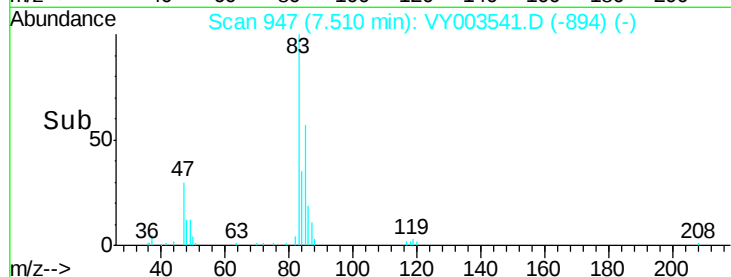
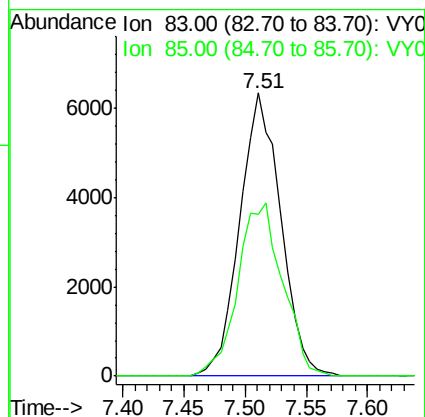
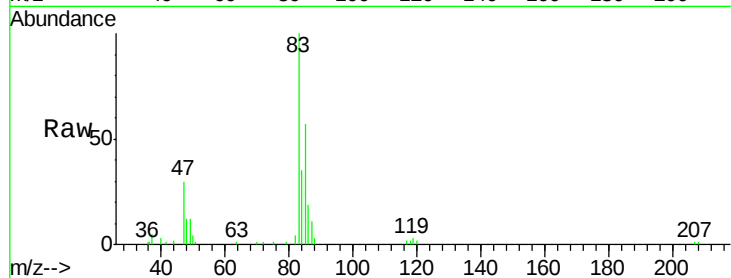
VSTD2.582

Tgt Ion: 83 Resp: 14794

Ion Ratio Lower Upper

83 100

85 66.7 46.2 85.8



#27

1,2-Dichloroethane

Concen: 2.529 ug/L

RT: 8.24 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VY003541.D

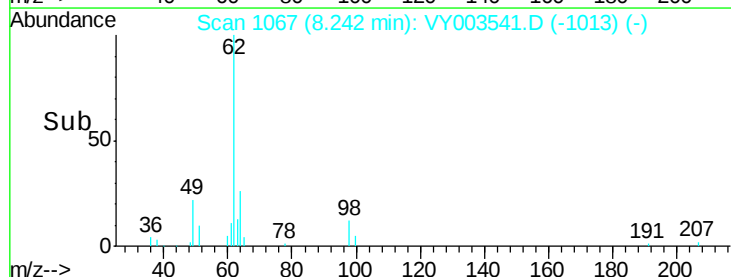
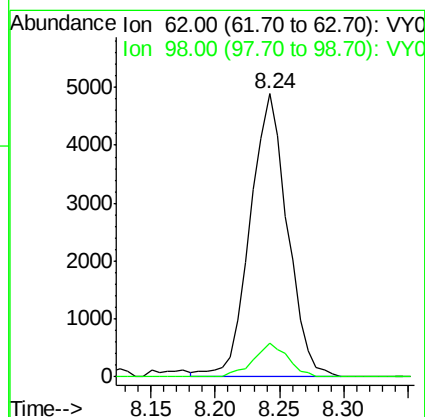
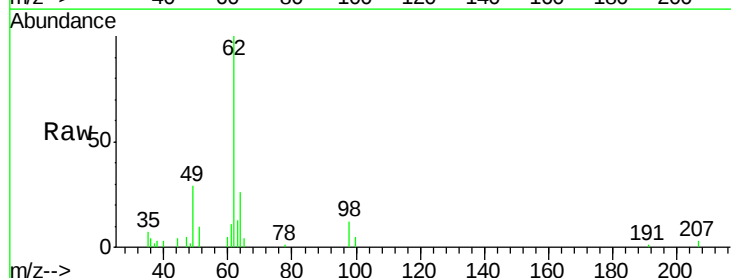
Acq: 19 Nov 2020 11:25

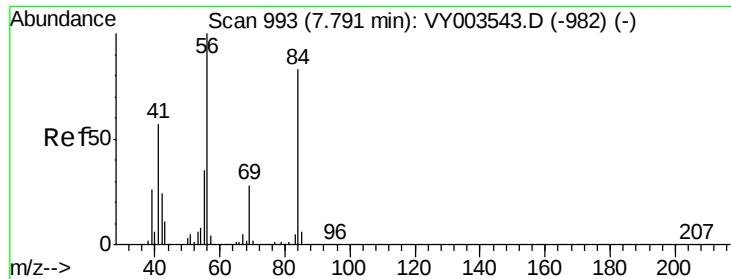
Tgt Ion: 62 Resp: 9785

Ion Ratio Lower Upper

62 100

98 12.0 7.7 11.5#

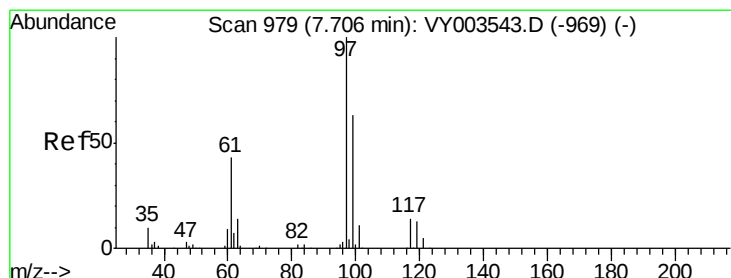
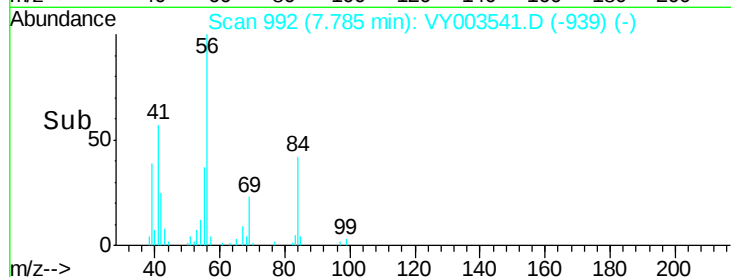
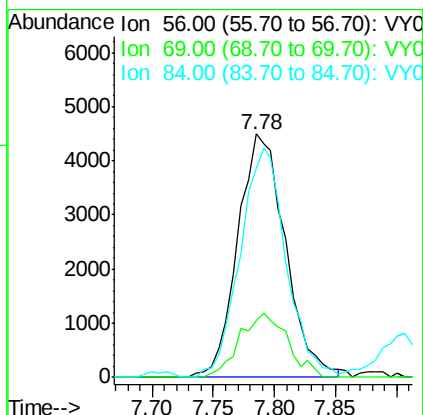
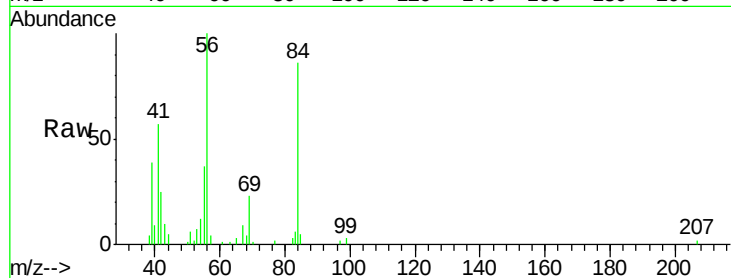




#30
Cyclohexane
Concen: 2.464 ug/L
RT: 7.78 min Scan# 992
Delta R.T. -0.01 min
Lab File: VY003541.D
Acq: 19 Nov 2020 11:25

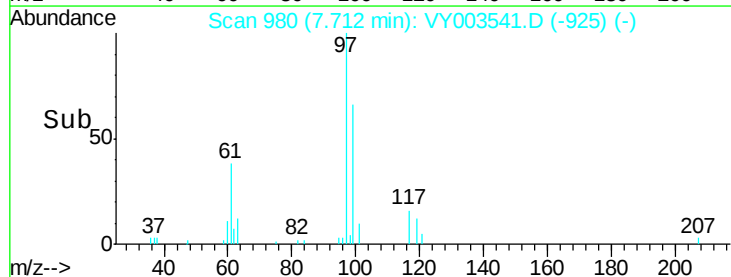
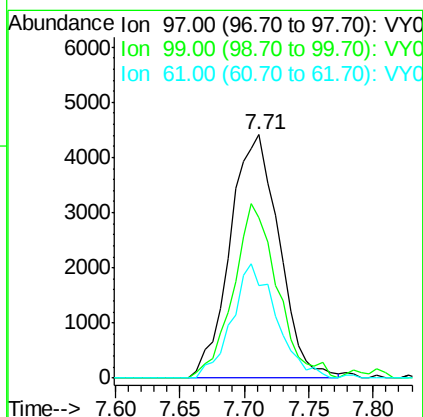
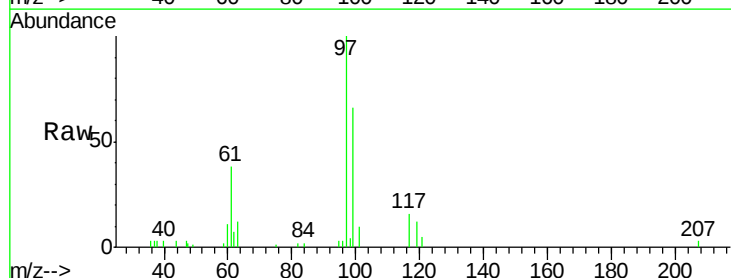
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.582

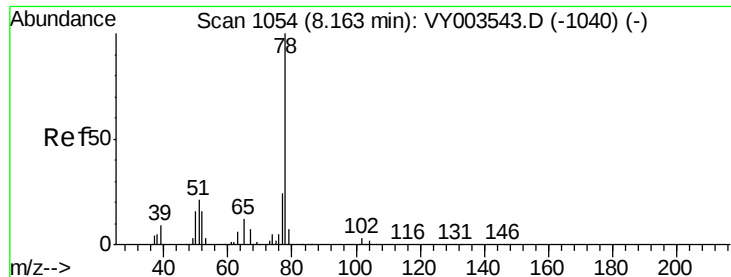
Tgt Ion: 56 Resp: 12153
Ion Ratio Lower Upper
56 100
69 25.1 23.3 34.9
84 90.9 69.9 104.9



#31
1,1,1-Trichloroethane
Concen: 2.684 ug/L
RT: 7.71 min Scan# 980
Delta R.T. 0.01 min
Lab File: VY003541.D
Acq: 19 Nov 2020 11:25

Tgt Ion: 97 Resp: 11673
Ion Ratio Lower Upper
97 100
99 63.4 52.1 78.1
61 42.5 34.9 52.3





#34

Benzene

Concen: 2.589 ug/L

RT: 8.16 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VY003541.D

Acq: 19 Nov 2020 11:25

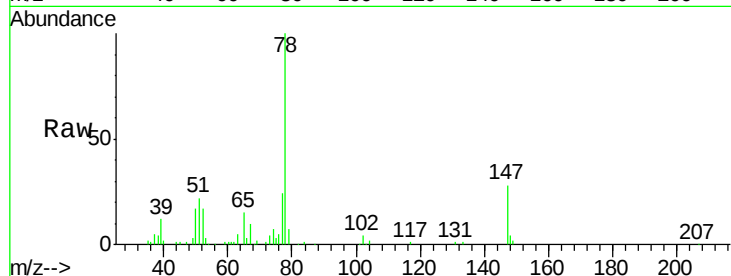
Instrument :

MSVOA_Y

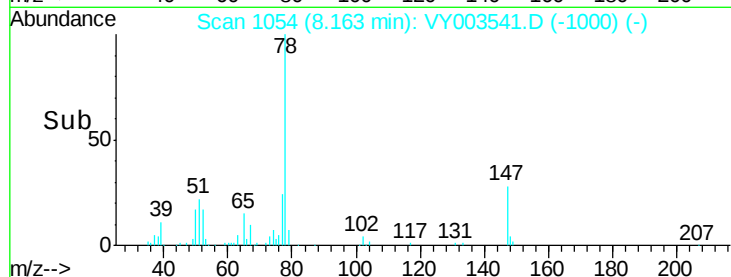
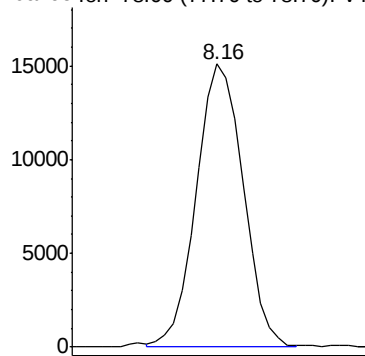
ClientSampleId :

VSTD2.582

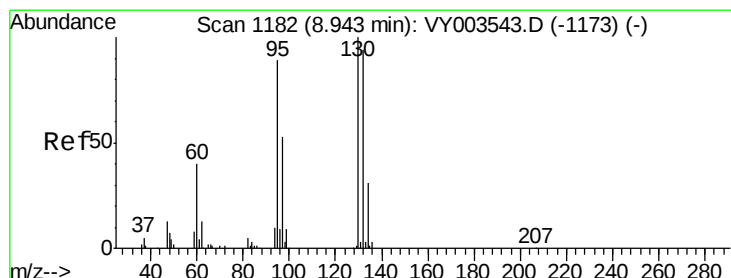
Tgt Ion: 78 Resp: 34187



Abundance Ion 78.00 (77.70 to 78.70): VY0



Time-->



#35

Trichloroethene

Concen: 2.697 ug/L

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY003541.D

Acq: 19 Nov 2020 11:25

Tgt Ion: 95 Resp: 8922

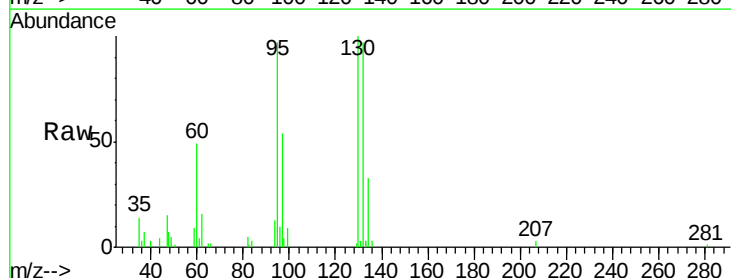
Ion	Ratio	Lower	Upper
95	100		
97	59.1	44.5	82.7
132	101.4	73.1	135.7
130	101.7	76.1	141.3

95 100

97 59.1 44.5 82.7

132 101.4 73.1 135.7

130 101.7 76.1 141.3

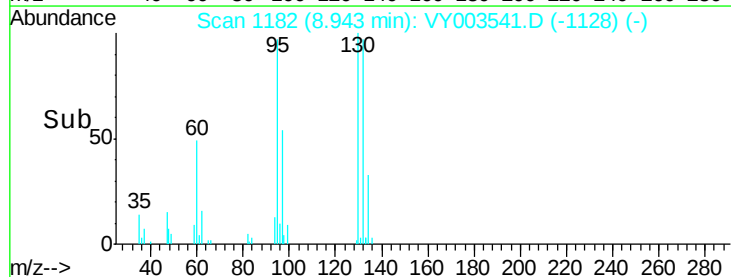
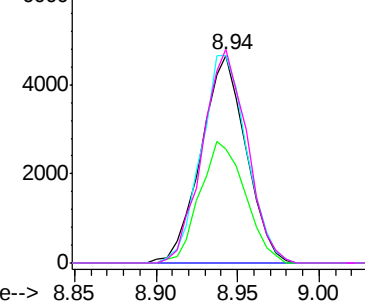


Abundance Ion 95.00 (94.70 to 95.70): VY0

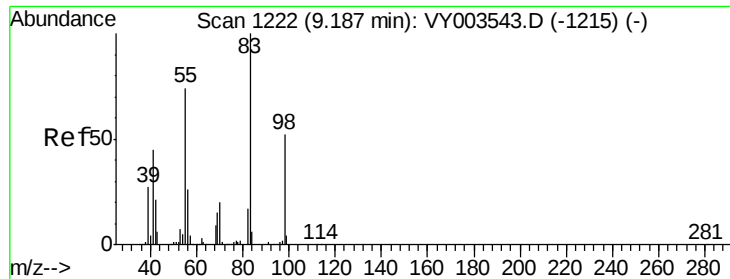
Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): VY0

Ion 130.00 (129.70 to 130.70): VY0



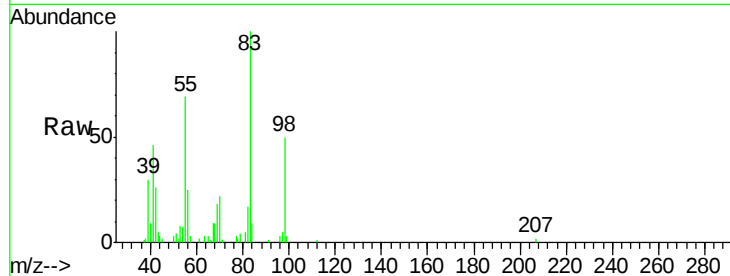
Time-->



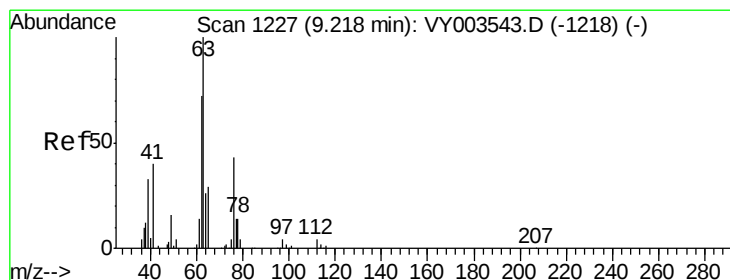
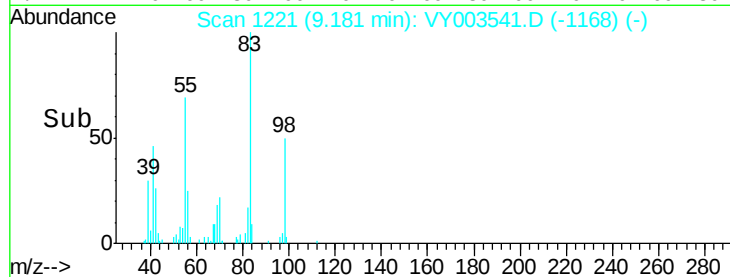
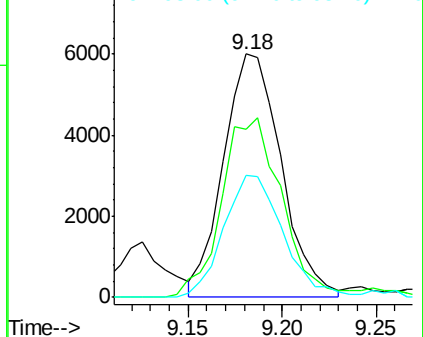
#36
Methylcyclohexane
Concen: 2.486 ug/L
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY003541.D
Acq: 19 Nov 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.582

Tgt Ion: 83 Resp: 12733
Ion Ratio Lower Upper
83 100
55 76.2 60.8 91.2
98 51.5 40.6 61.0

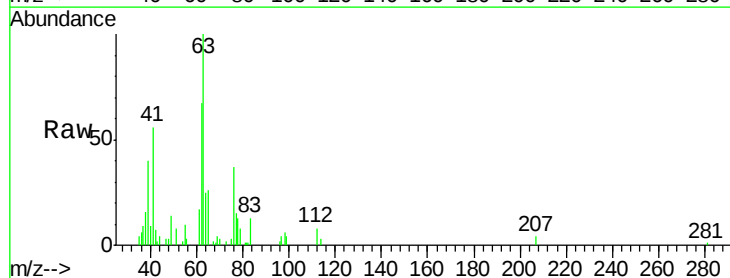


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

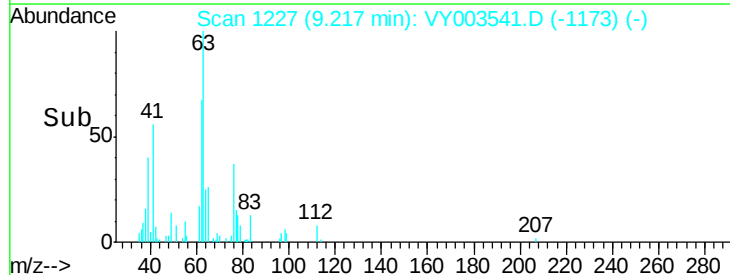
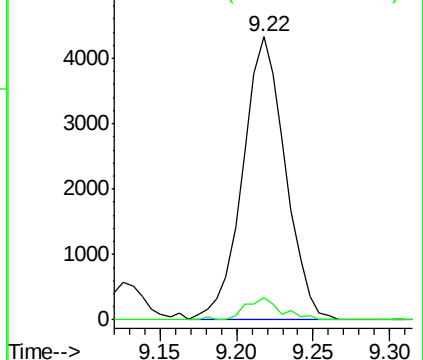


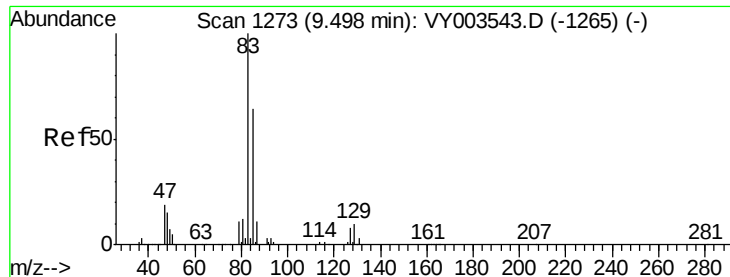
#40
1,2-Dichloropropane
Concen: 2.563 ug/L
RT: 9.22 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VY003541.D
Acq: 19 Nov 2020 11:25

Tgt Ion: 63 Resp: 8387
Ion Ratio Lower Upper
63 100
112 6.5 3.5 5.3#



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





#41

Bromodichloromethane

Concen: 2.492 ug/L

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY003541.D

Acq: 19 Nov 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.582

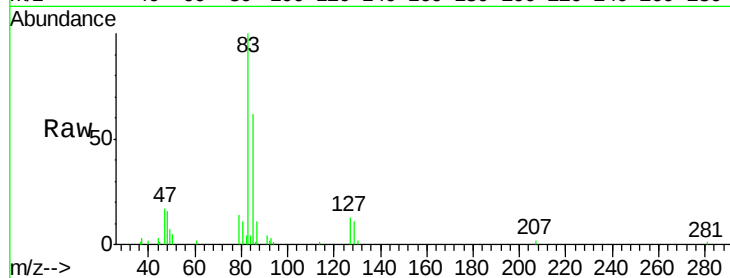
Tgt Ion: 83 Resp: 10450

Ion Ratio Lower Upper

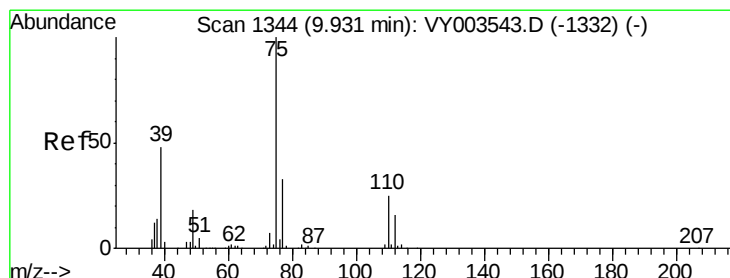
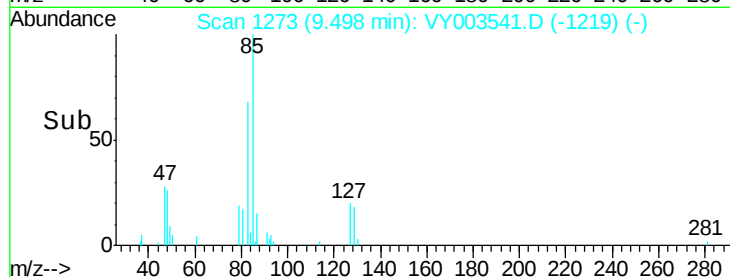
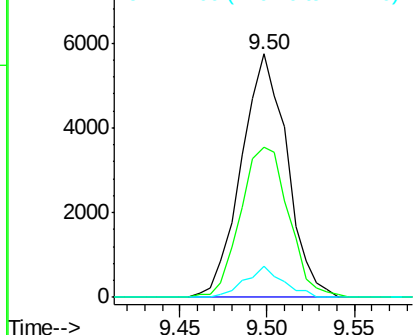
83 100

85 61.9 45.1 83.7

127 12.6 6.8 10.2#



Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 85.00 (84.70 to 85.70): VY0
Ion 127.00 (126.70 to 127.70): V



#42

cis-1,3-Dichloropropene

Concen: 2.383 ug/L

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY003541.D

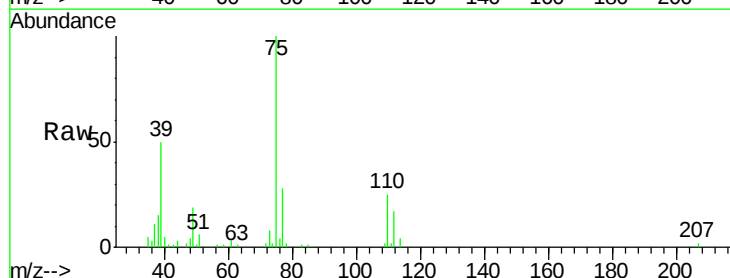
Acq: 19 Nov 2020 11:25

Tgt Ion: 75 Resp: 12259

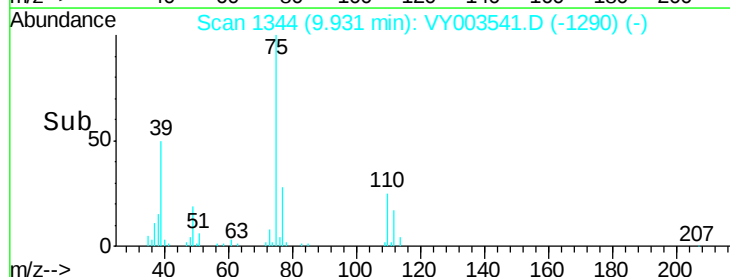
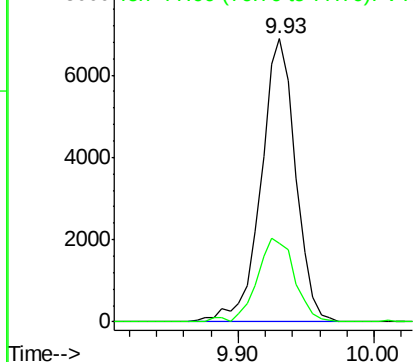
Ion Ratio Lower Upper

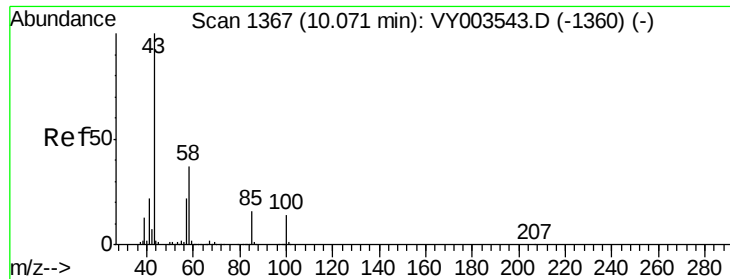
75 100

77 27.9 23.2 43.0



Abundance Ion 75.00 (74.70 to 75.70): VY0
Ion 77.00 (76.70 to 77.70): VY0





#43

4-Methyl-2-pentanone

Concen: 4.627 ug/L

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY003541.D

Acq: 19 Nov 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.582

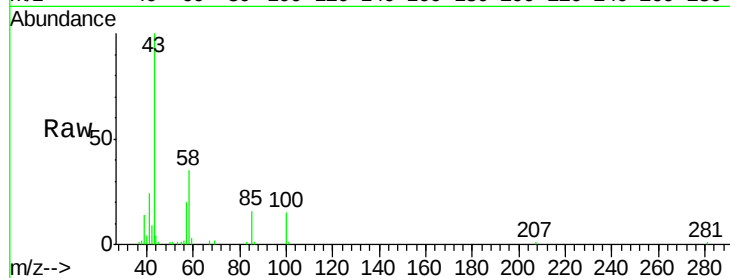
Tgt Ion: 43 Resp: 12864

Ion Ratio Lower Upper

43 100

58 36.6 30.2 45.2

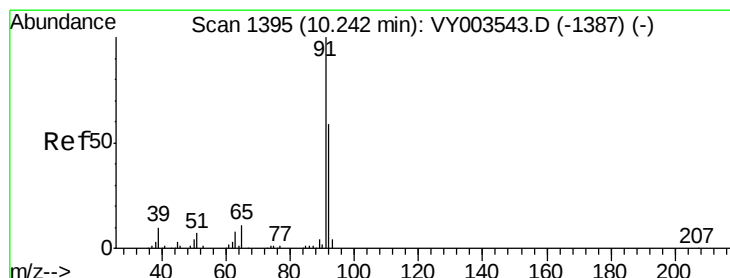
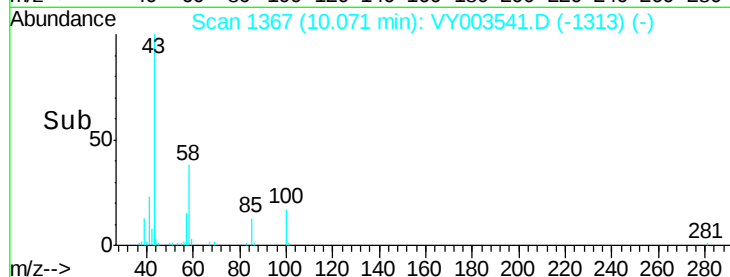
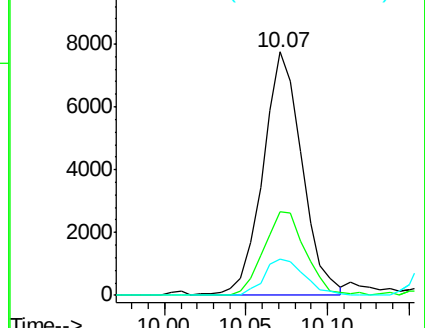
100 15.5 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#44

Toluene

Concen: 2.530 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003541.D

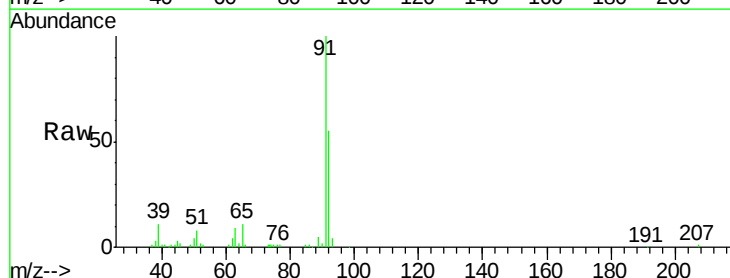
Acq: 19 Nov 2020 11:25

Tgt Ion: 91 Resp: 34679

Ion Ratio Lower Upper

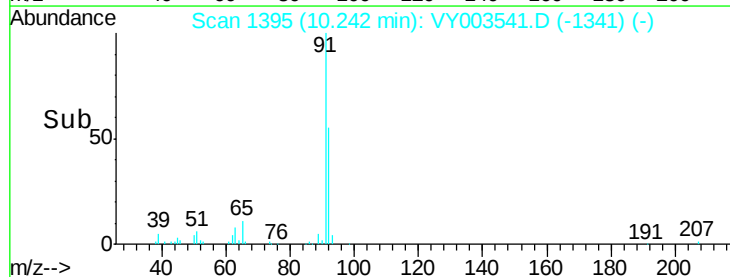
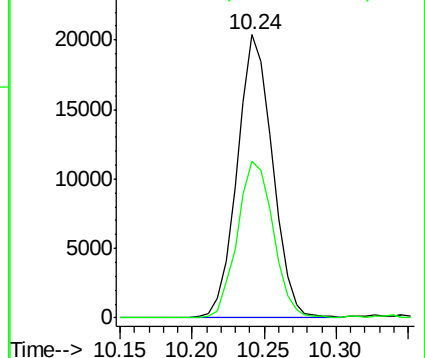
91 100

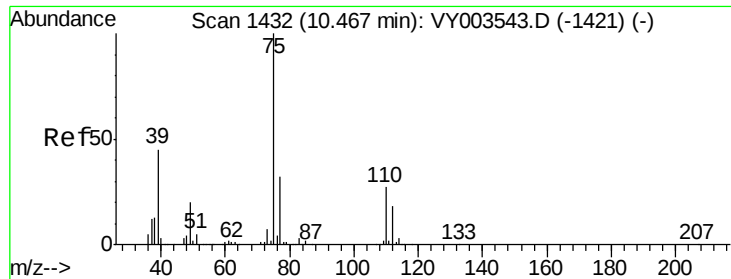
92 55.4 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0





#45

trans-1,3-Dichloropropene

Concen: 2.485 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003541.D

Acq: 19 Nov 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

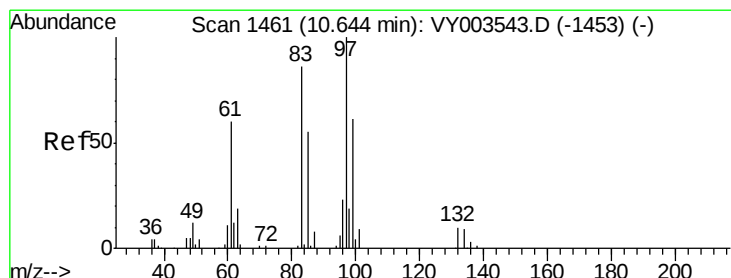
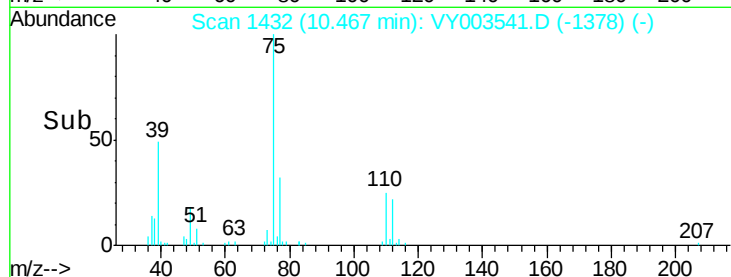
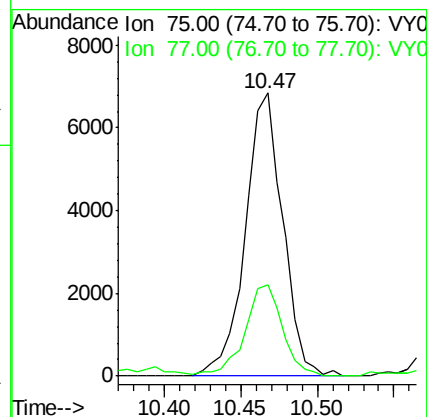
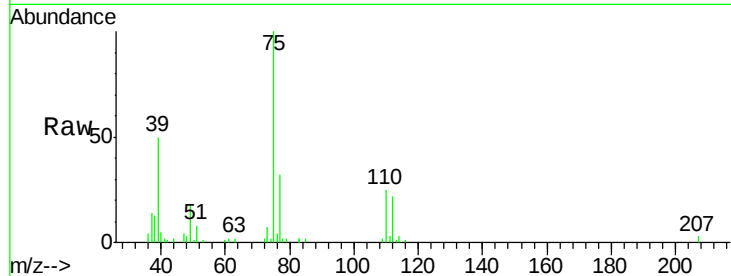
VSTD2.582

Tgt Ion: 75 Resp: 11661

Ion Ratio Lower Upper

75 100

77 32.2 22.1 41.1



#46

1,1,2-Trichloroethane

Concen: 2.456 ug/L

RT: 10.64 min Scan# 1461

Delta R.T. -0.00 min

Lab File: VY003541.D

Acq: 19 Nov 2020 11:25

Tgt Ion: 97 Resp: 6452

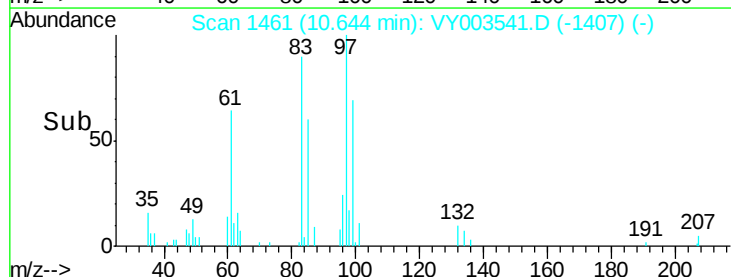
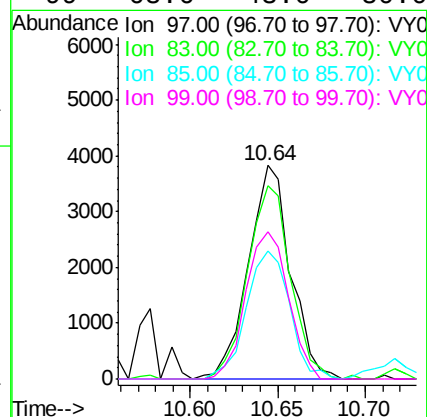
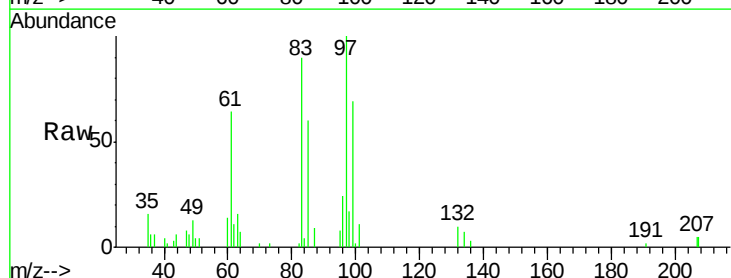
Ion Ratio Lower Upper

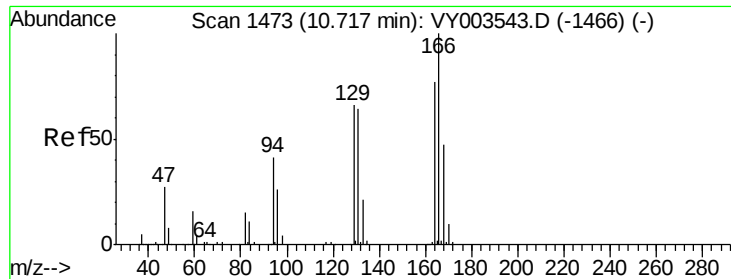
97 100

83 90.2 60.1 111.5

85 60.2 38.9 72.2

99 68.6 43.0 80.0





#47

Tetrachloroethene

Concen: 2.530 ug/L

RT: 10.72 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VY003541.D

Acq: 19 Nov 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.582

Tgt Ion:164 Resp: 7380

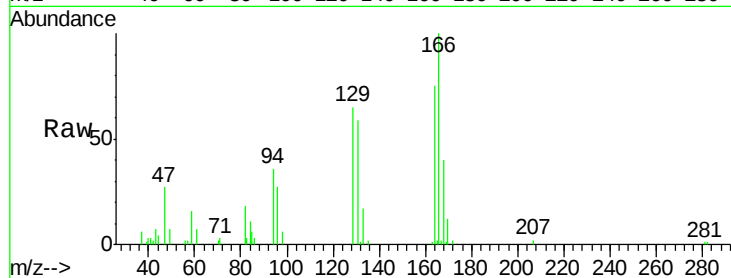
Ion Ratio Lower Upper

164 100

129 87.2 60.6 112.6

131 78.9 58.7 109.1

166 133.7 91.2 169.4

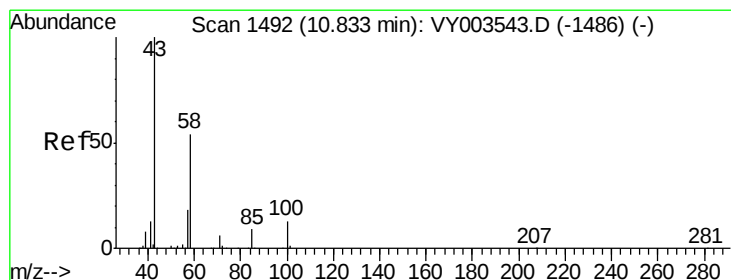
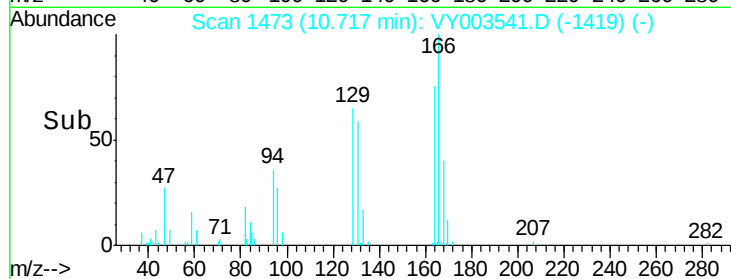
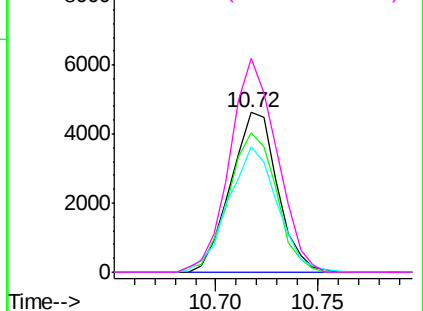


Abundance Ion 164.00 (163.70 to 164.70): V

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: 4.939 ug/L

RT: 10.83 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VY003541.D

Acq: 19 Nov 2020 11:25

Tgt Ion: 43 Resp: 10172

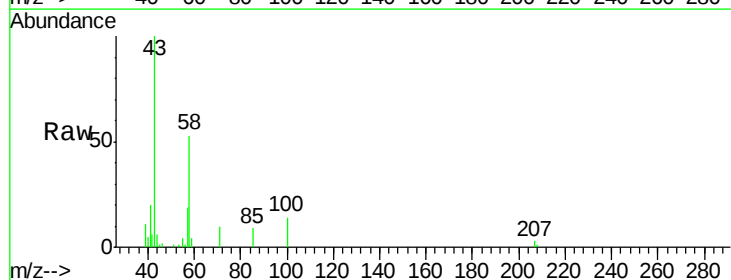
Ion Ratio Lower Upper

43 100

58 53.1 42.1 63.1

57 17.6 14.2 21.2

100 12.3 9.5 14.3

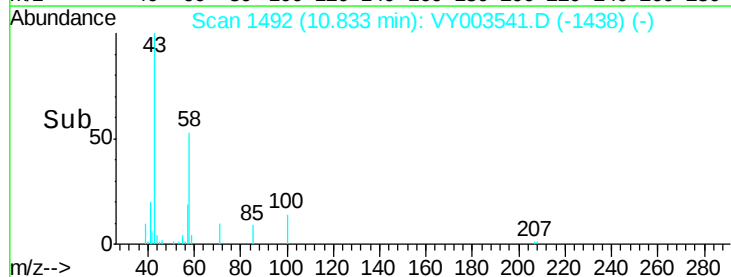
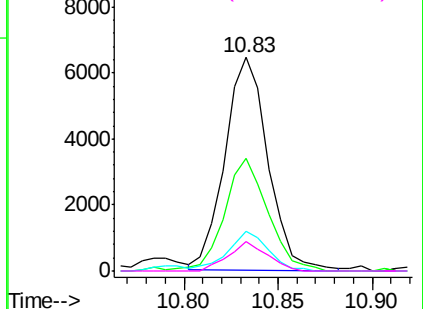


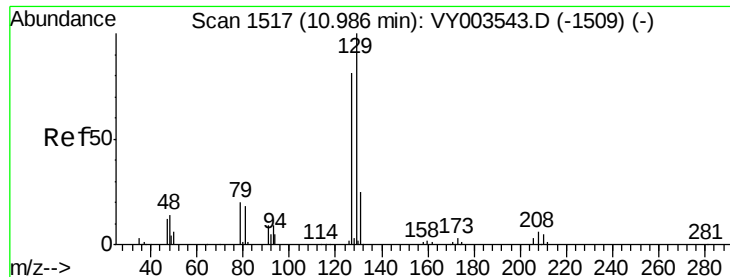
Abundance Ion 43.00 (42.70 to 43.70): VY0

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: 2.530 ug/L

RT: 10.99 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VY003541.D

Acq: 19 Nov 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

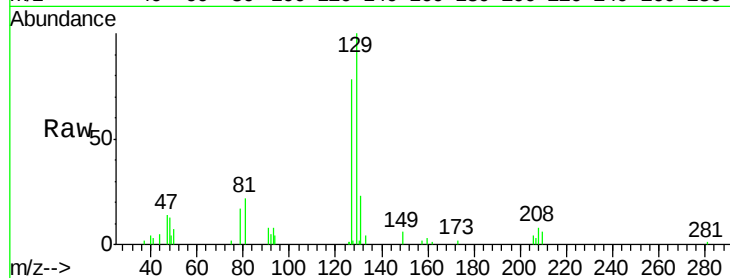
VSTD2.582

Tgt Ion:129 Resp: 7827

Ion Ratio Lower Upper

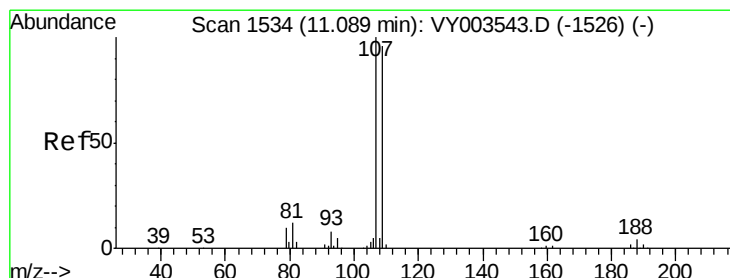
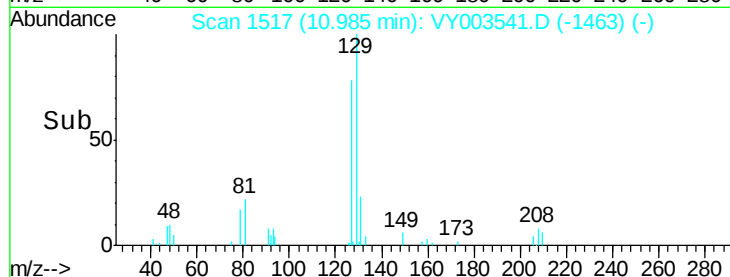
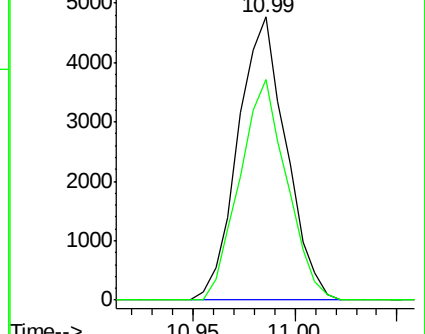
129 100

127 79.6 56.6 105.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 2.458 ug/L

RT: 11.09 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VY003541.D

Acq: 19 Nov 2020 11:25

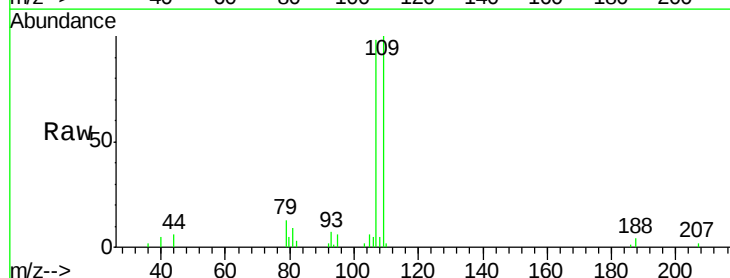
Tgt Ion:107 Resp: 6412

Ion Ratio Lower Upper

107 100

109 102.2 66.8 124.2

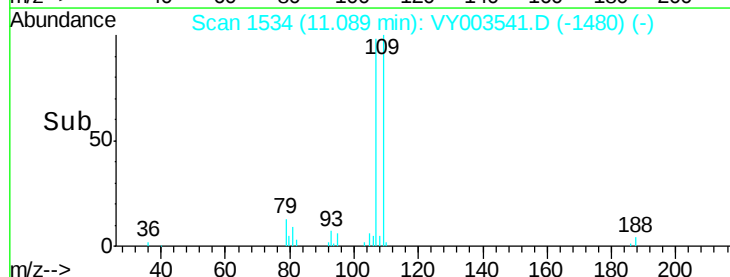
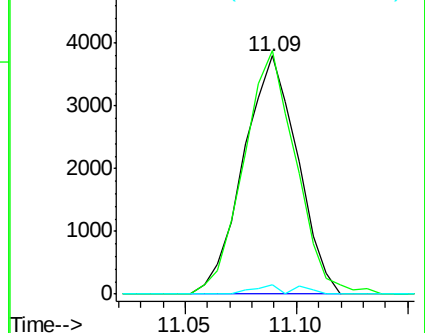
188 3.8 3.3 4.9

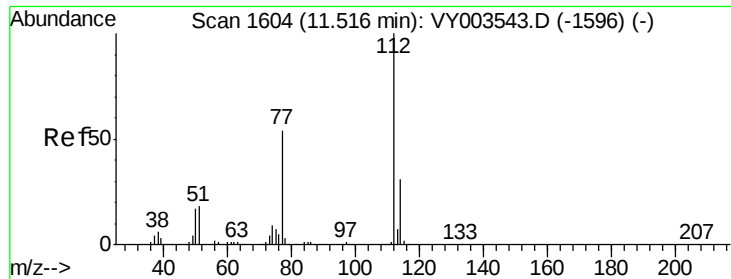


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 2.594 ug/L

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY003541.D

Acq: 19 Nov 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.582

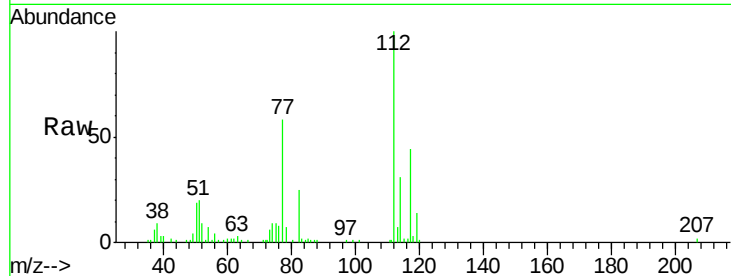
Tgt Ion: 112 Resp: 22812

Ion Ratio Lower Upper

112 100

77 57.8 43.3 64.9

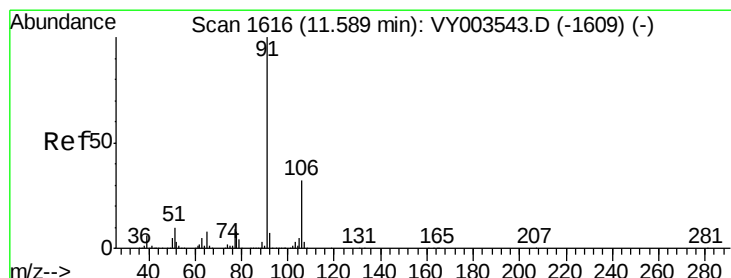
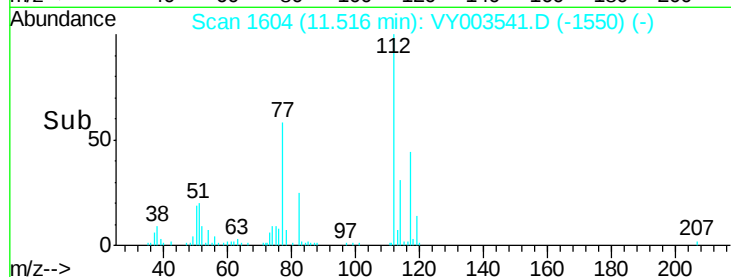
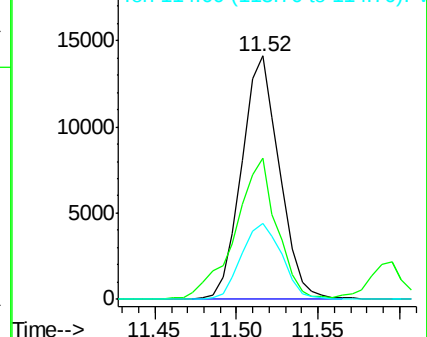
114 31.4 21.9 40.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 2.487 ug/L

RT: 11.60 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY003541.D

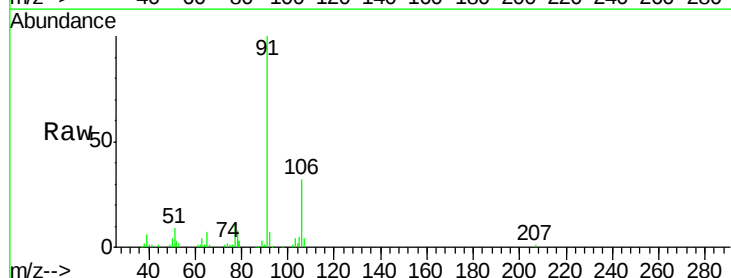
Acq: 19 Nov 2020 11:25

Tgt Ion: 91 Resp: 34638

Ion Ratio Lower Upper

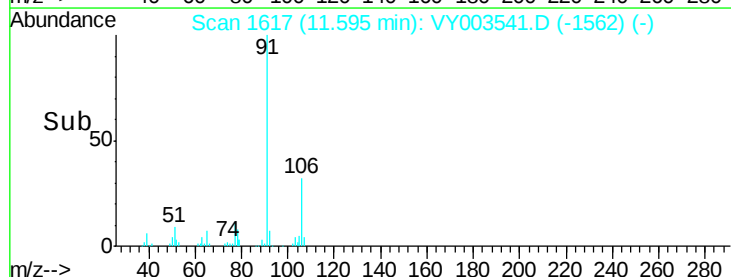
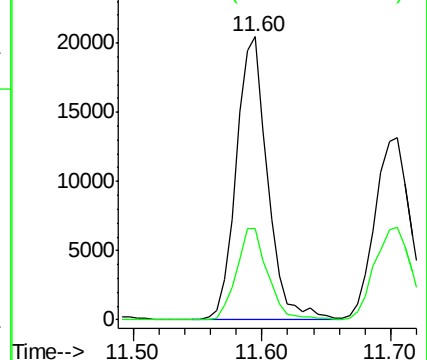
91 100

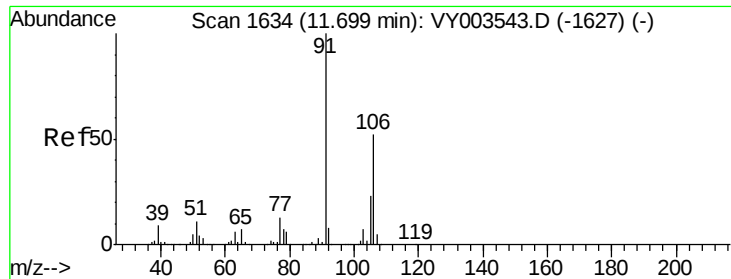
106 32.4 22.5 41.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 2.456 ug/L

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY003541.D

Acq: 19 Nov 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

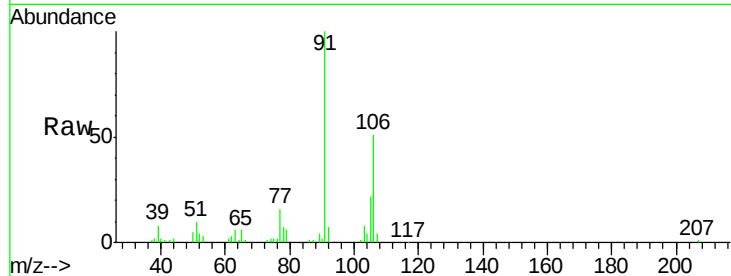
VSTD2.582

Tgt Ion:106 Resp: 13328

Ion Ratio Lower Upper

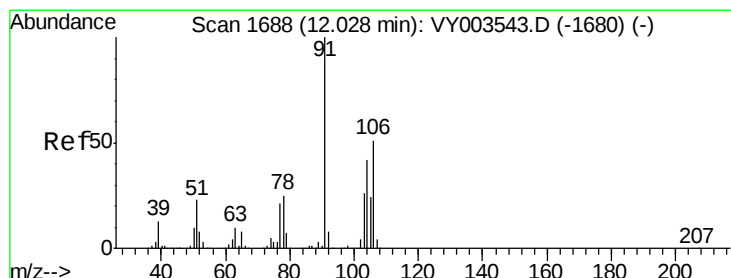
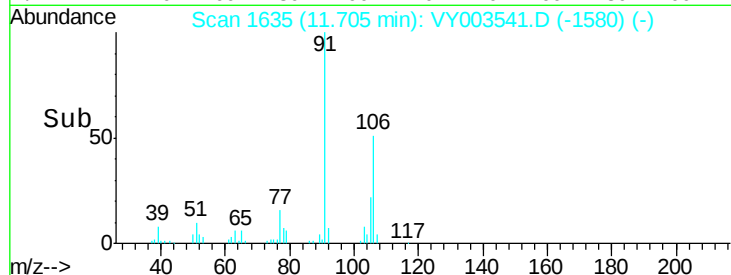
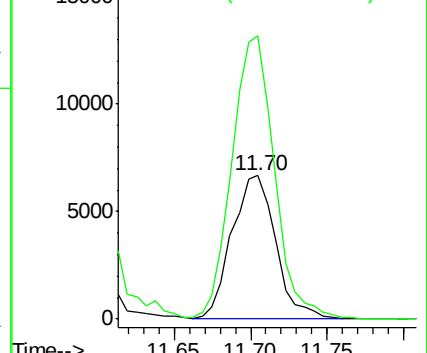
106 100

91 197.1 135.6 251.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

o-xylene

Concen: 2.345 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VY003541.D

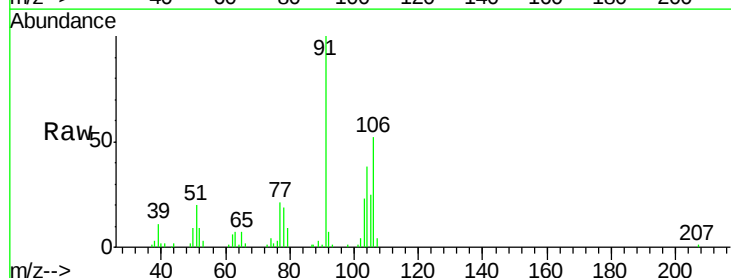
Acq: 19 Nov 2020 11:25

Tgt Ion:106 Resp: 10706

Ion Ratio Lower Upper

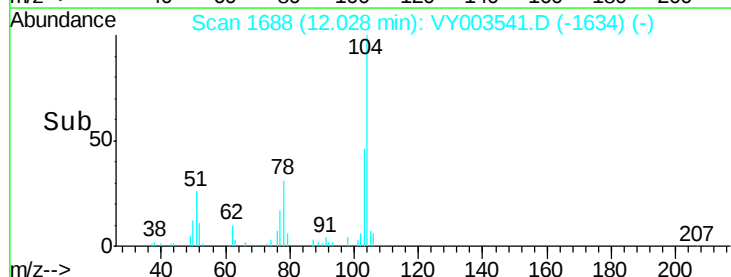
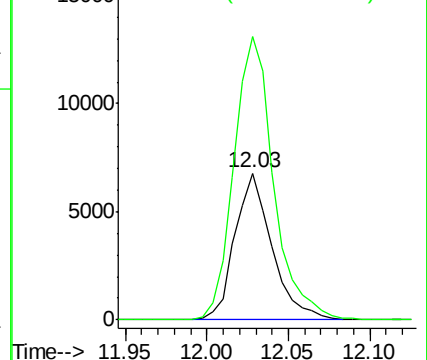
106 100

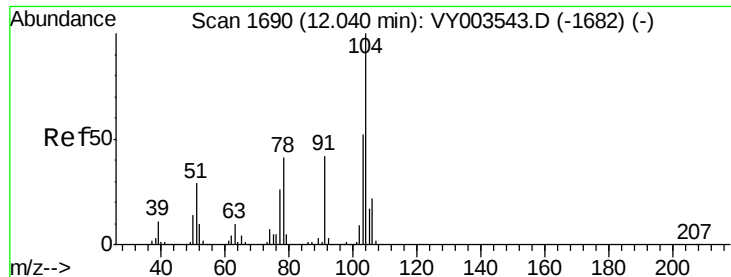
91 192.9 138.3 256.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#56

Styrene

Concen: 2.302 ug/L

RT: 12.05 min Scan# 1691

Delta R.T. 0.01 min

Lab File: VY003541.D

Acq: 19 Nov 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

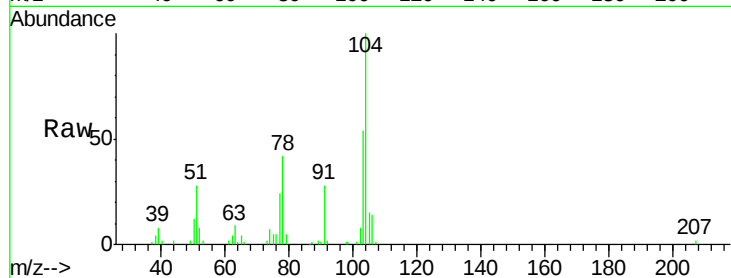
VSTD2.582

Tgt Ion:104 Resp: 20405

Ion Ratio Lower Upper

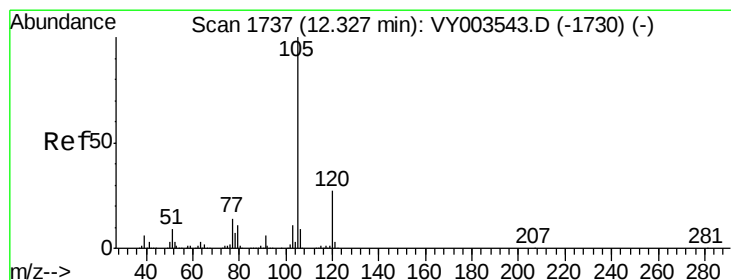
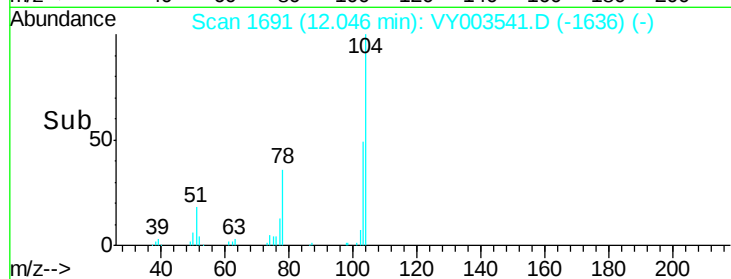
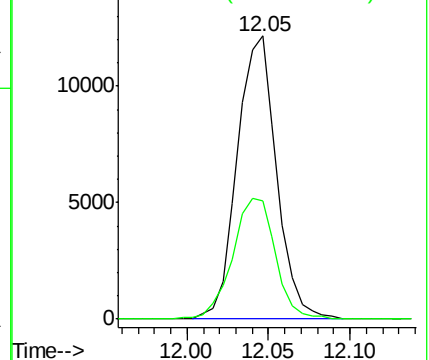
104 100

78 41.9 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: 2.510 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003541.D

Acq: 19 Nov 2020 11:25

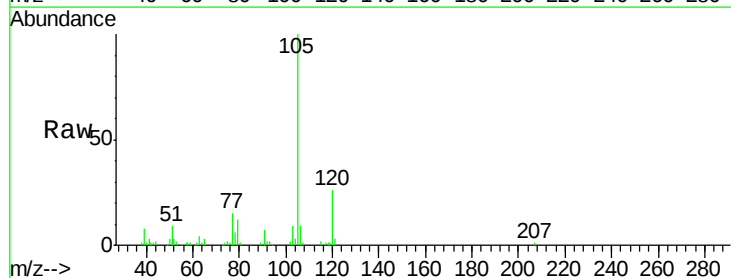
Tgt Ion:105 Resp: 25254

Ion Ratio Lower Upper

105 100

120 26.9 21.7 32.5

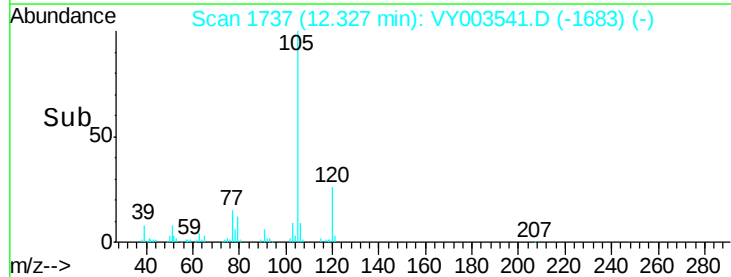
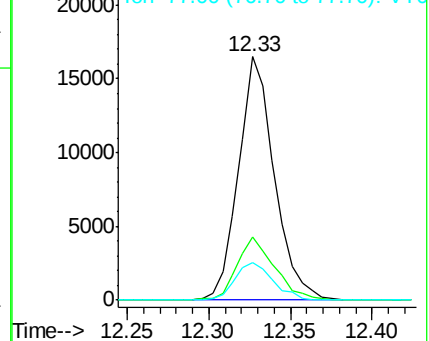
77 16.5 12.1 18.1

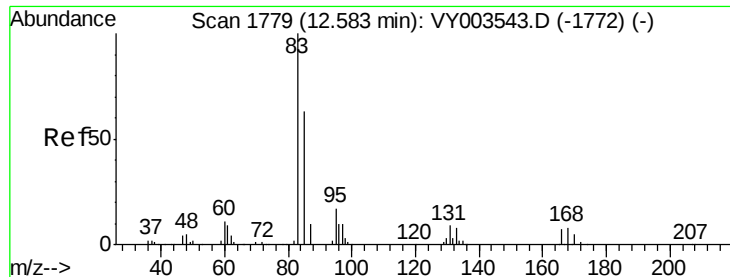


Abundance Ion 105.00 (104.70 to 105.70): V

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: 2.718 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003541.D

Acq: 19 Nov 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.582

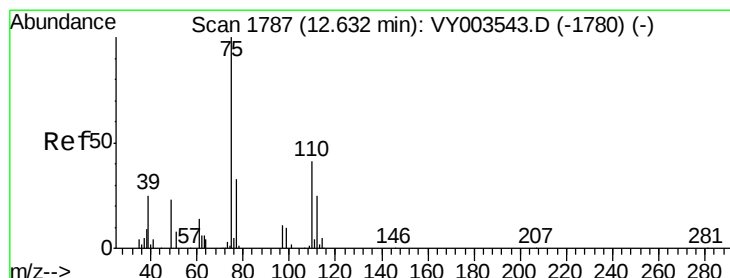
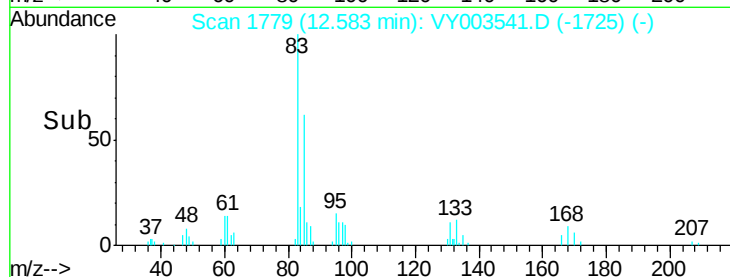
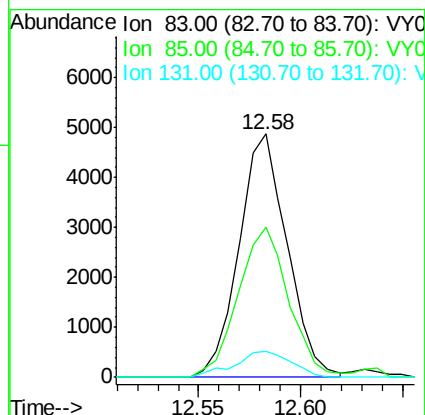
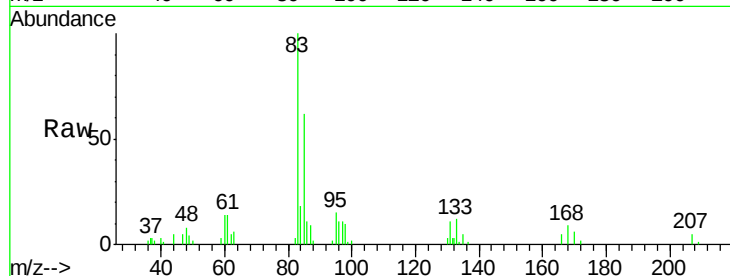
Tgt Ion: 83 Resp: 7975

Ion Ratio Lower Upper

83 100

85 61.5 44.8 83.2

131 13.7 7.3 10.9#



#59

1,2,3-Trichloropropane

Concen: 2.658 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY003541.D

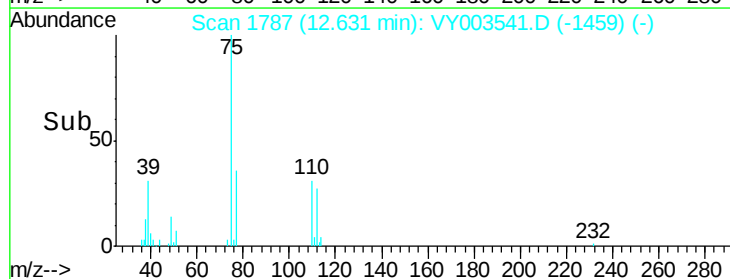
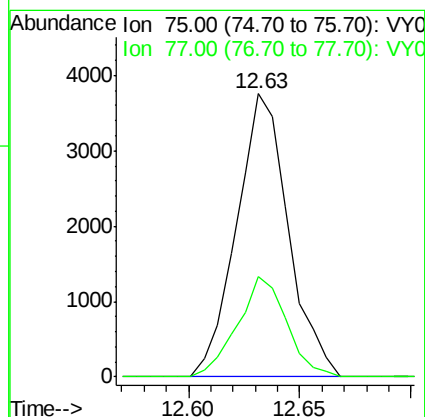
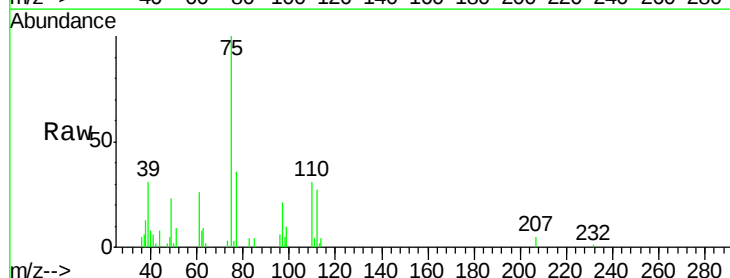
Acq: 19 Nov 2020 11:25

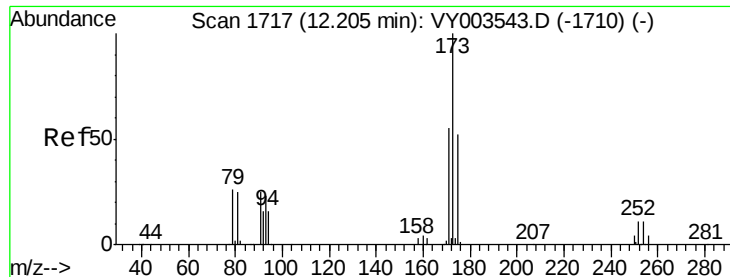
Tgt Ion: 75 Resp: 6075

Ion Ratio Lower Upper

75 100

77 33.5 26.2 39.2





#62

Bromoform

Concen: 2.505 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY003541.D

Acq: 19 Nov 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.582

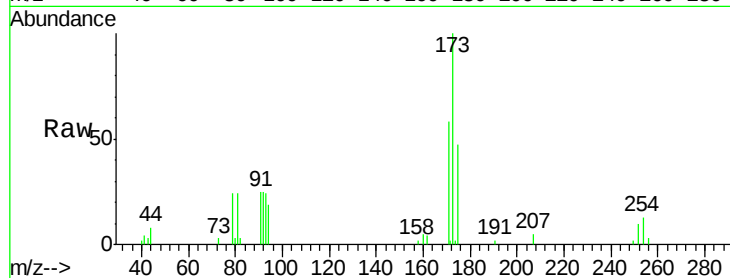
Tgt Ion:173 Resp: 5130

Ion Ratio Lower Upper

173 100

175 48.5 39.5 59.3

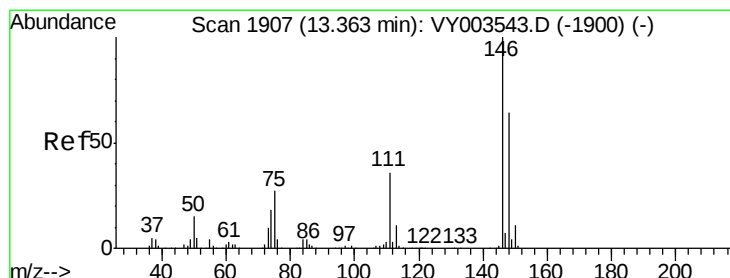
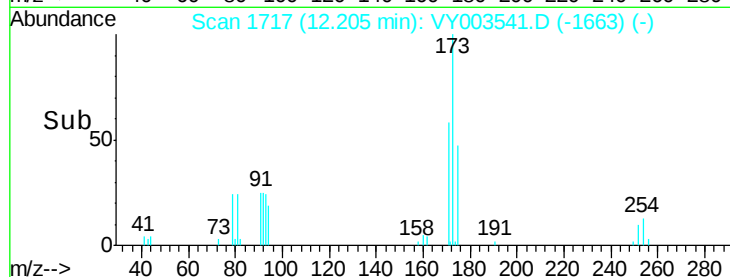
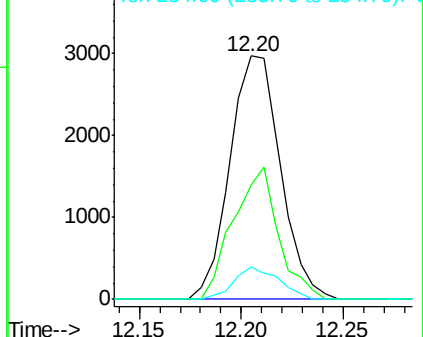
254 11.7 8.6 12.8



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 2.634 ug/L

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY003541.D

Acq: 19 Nov 2020 11:25

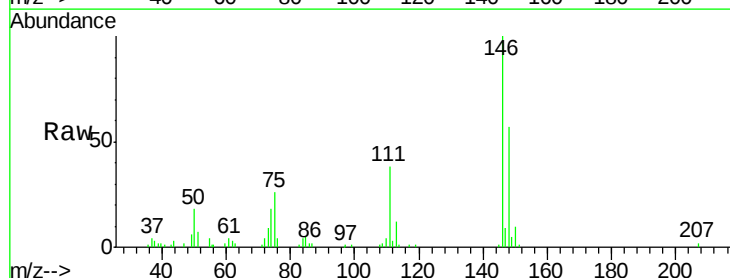
Tgt Ion:146 Resp: 16528

Ion Ratio Lower Upper

146 100

111 37.6 25.1 46.5

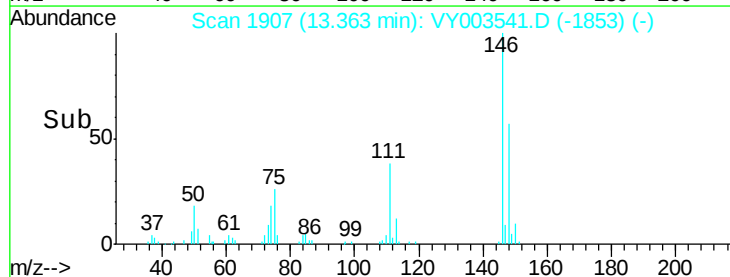
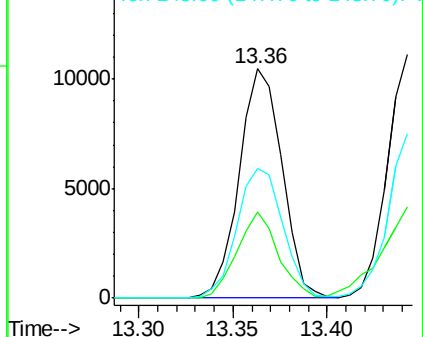
148 56.6 44.7 82.9

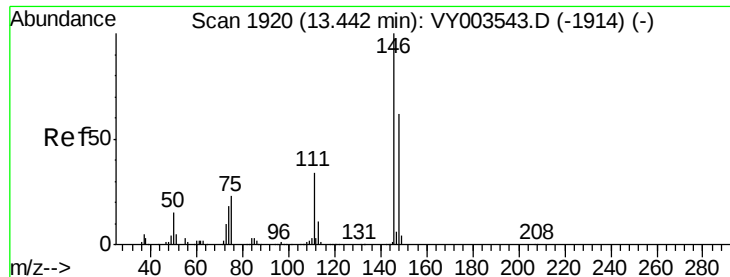


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

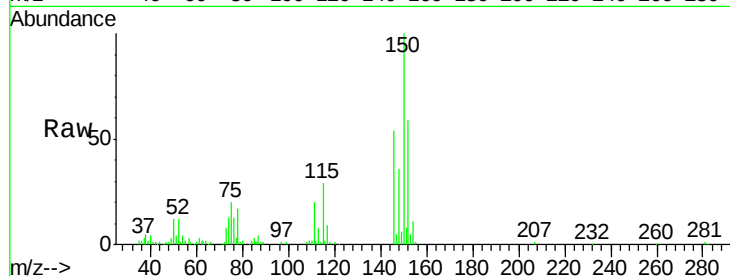




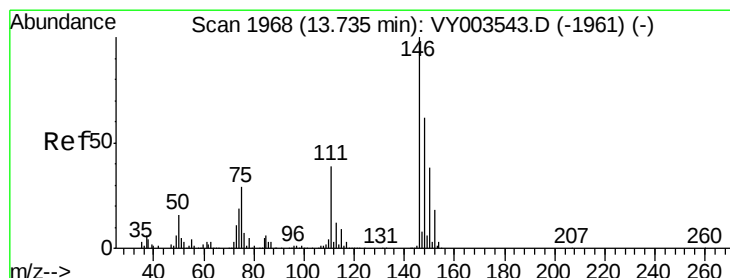
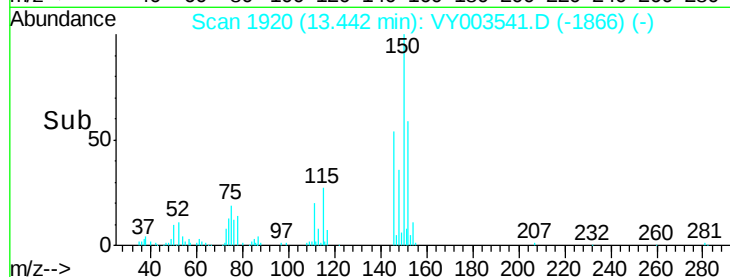
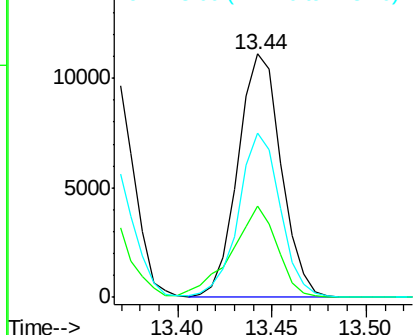
#64
 1,4-Dichlorobenzene
 Concen: 2.742 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003541.D
 Acq: 19 Nov 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.582

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	24.1	44.8
148	67.5	43.6	81.0

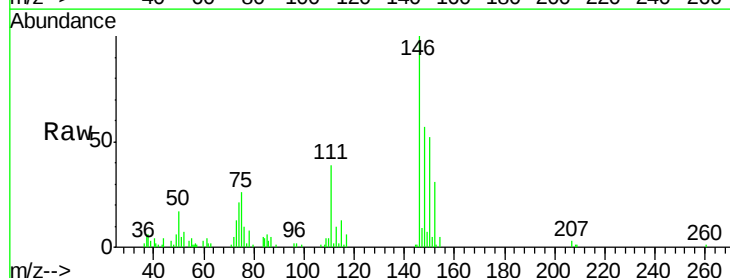


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

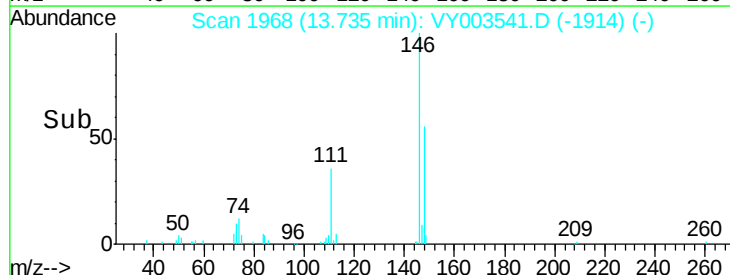
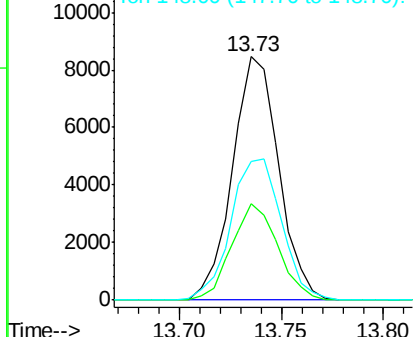


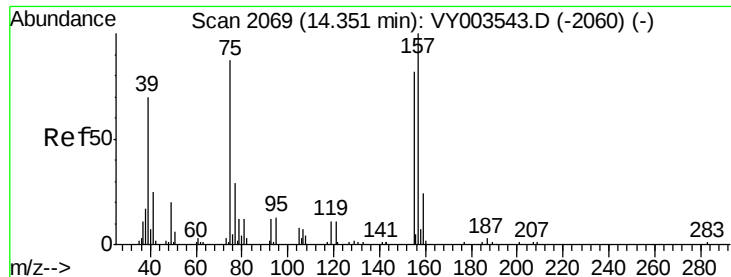
#65
 1,2-Dichlorobenzene
 Concen: 2.596 ug/L
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY003541.D
 Acq: 19 Nov 2020 11:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	31.0	46.6
148	56.8	49.8	74.8



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

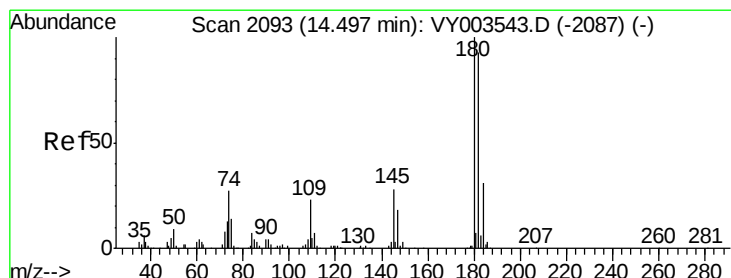
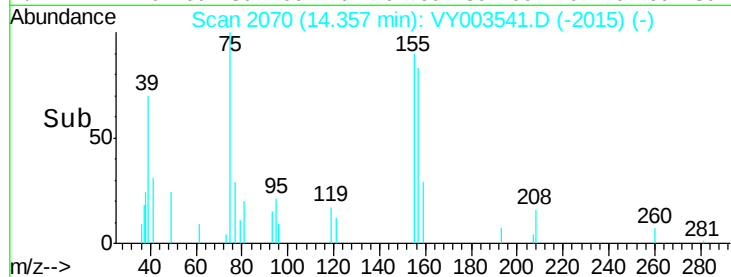
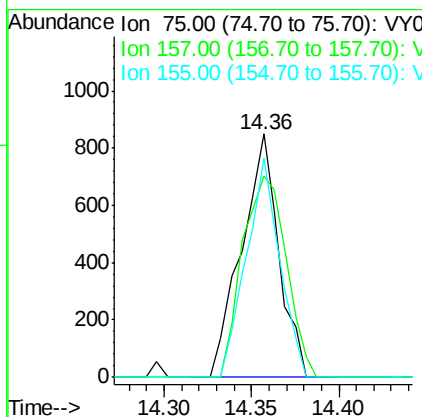
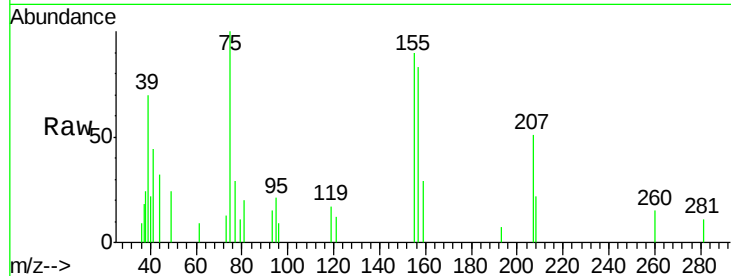




#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.082 ug/L
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.01 min
 Lab File: VY003541.D
 Acq: 19 Nov 2020 11:25

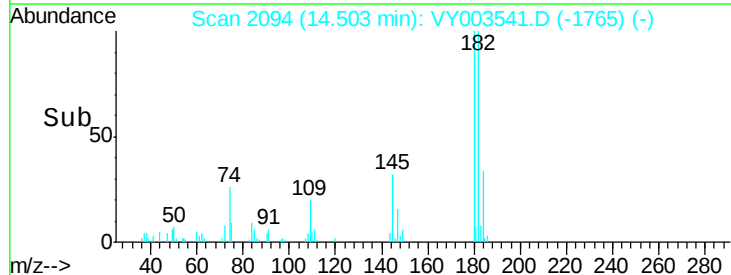
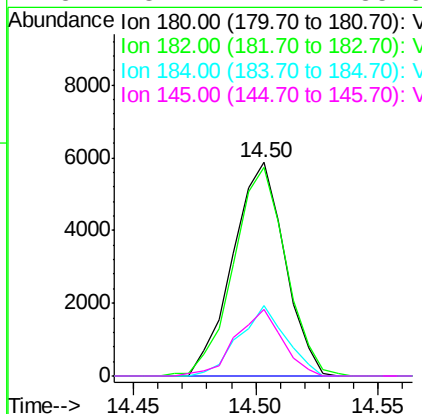
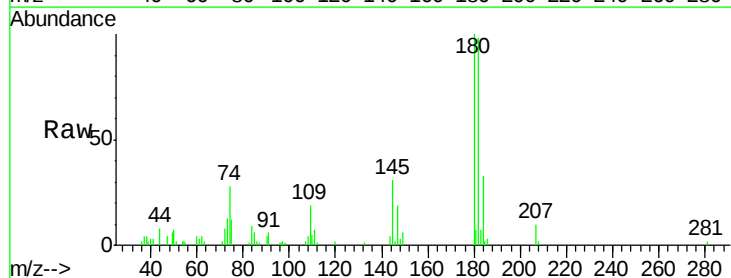
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.582

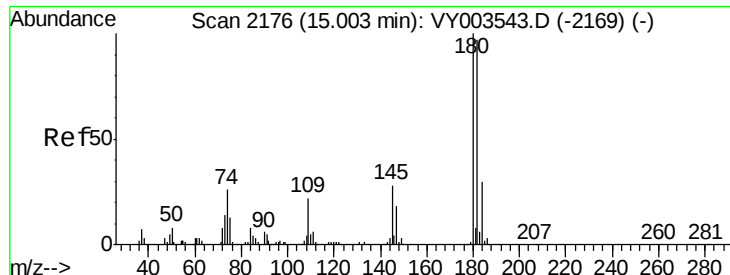
Tgt Ion: 75 Resp: 1247
 Ion Ratio Lower Upper
 75 100
 157 82.6 91.8 137.6#
 155 90.0 75.7 113.5



#67
 1,3,5-Trichlorobenzene
 Concen: 2.654 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY003541.D
 Acq: 19 Nov 2020 11:25

Tgt Ion: 180 Resp: 8710
 Ion Ratio Lower Upper
 180 100
 182 98.1 77.3 115.9
 184 29.9 24.4 36.6
 145 28.2 22.4 33.6

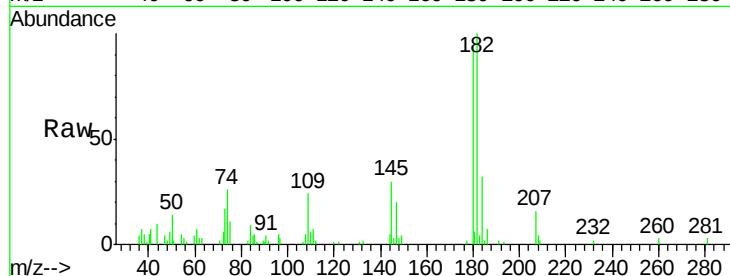




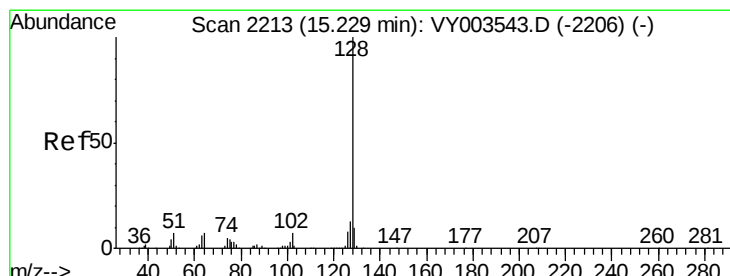
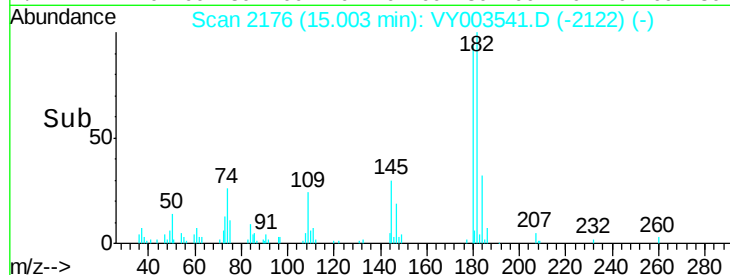
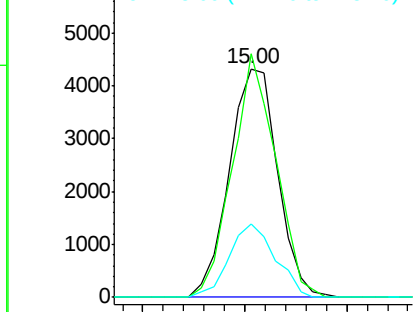
#68
 1,2,4-trichlorobenzene
 Concen: 2.495 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY003541.D
 Acq: 19 Nov 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.582

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.5	114.7
145	30.7	22.8	34.2

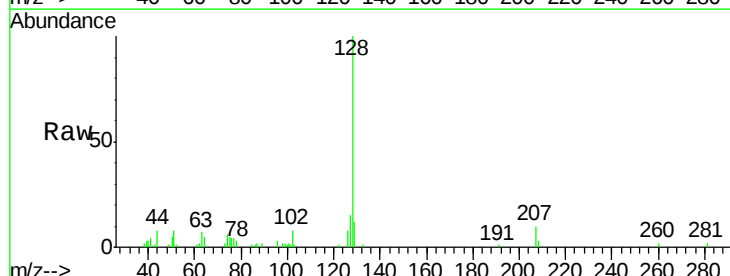


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

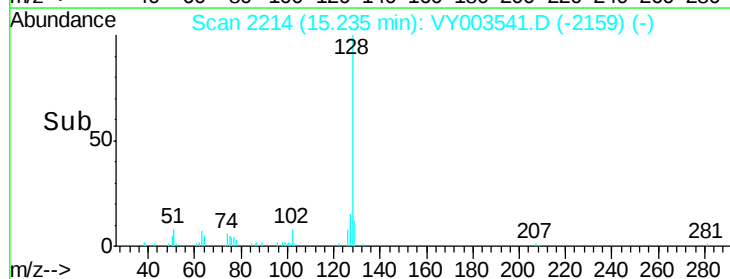
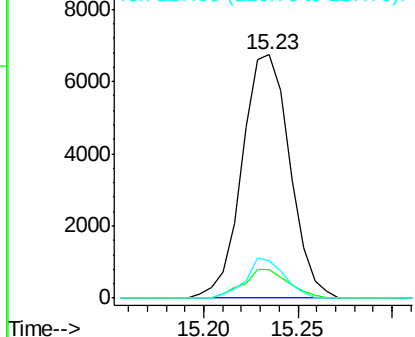


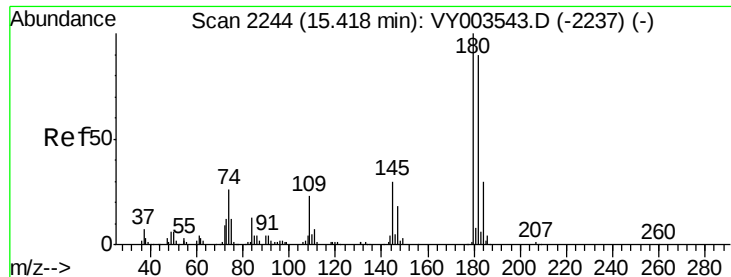
#69
 Naphthalene
 Concen: 2.346 ug/L
 RT: 15.23 min Scan# 2214
 Delta R.T. 0.01 min
 Lab File: VY003541.D
 Acq: 19 Nov 2020 11:25

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.5	12.7
127	13.2	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

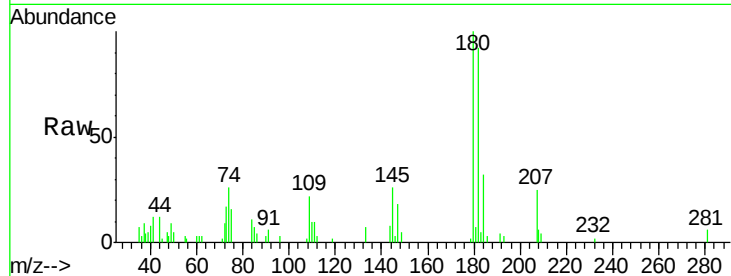




#70
 1,2,3-Trichlorobenzene
 Concen: 2.538 ug/L
 RT: 15.42 min Scan# 2245
 Delta R.T. 0.01 min
 Lab File: VY003541.D
 Acq: 19 Nov 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.582

Tgt Ion:180 Resp: 5473
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.5 114.7
 145 28.5 25.2 37.8



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

