

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122920\
 Data File : VY003851.D
 Acq On : 29 Dec 2020 14:00
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025201

Quant Time: Dec 30 07:16:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL122920SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 29 13:04:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	324208	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	309180	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	178526	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	126537	23.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.28%
7) Chloroethane-d5	2.77	69	106439	24.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.12%
11) 1,1-Dichloroethene-d2	3.86	63	230524	24.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.40%
21) 2-Butanone-d5	6.89	46	107575	51.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.14%
24) Chloroform-d	7.48	84	230731	25.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.08%
26) 1,2-Dichloroethane-d4	8.14	65	146201	25.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.52%
32) Benzene-d6	8.11	84	438654	25.52	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.08%
36) 1,2-Dichloropropane-d6	9.12	67	132804	26.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.76%
41) Toluene-d8	10.18	98	421897	25.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.68%
43) trans-1,3-Dichloropropene-	10.43	79	72694	25.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.68%
47) 2-Hexanone-d5	10.79	63	81137	51.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.20%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	132179	26.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.08%
66) 1,2-Dichlorobenzene-d4	13.72	152	169348	25.96	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.84%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	120571	22.199	ug/L 99
3) Chloromethane	2.11	50	138740	22.810	ug/L 97
5) Vinyl chloride	2.25	62	156406	24.236	ug/L 99
6) Bromomethane	2.66	94	101439	25.710	ug/L 94
8) Chloroethane	2.80	64	97199	24.957	ug/L 98
9) Trichlorofluoromethane	3.13	101	211955	24.585	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	112400	24.829	ug/L 99
12) 1,1-Dichloroethene	3.88	96	106570	25.076	ug/L 91
13) Acetone	3.95	43	76040	48.870	ug/L 99
14) Carbon disulfide	4.20	76	369438	25.828	ug/L 99
15) Methyl Acetate	4.48	43	88734	24.786	ug/L 99
16) Methylene chloride	4.72	84	124544	23.952	ug/L 97
17) trans-1,2-Dichloroethene	5.23	96	118358	25.453	ug/L 98
18) Methyl tert-butyl Ether	5.22	73	346614	25.235	ug/L 99
19) 1,1-Dichloroethane	6.03	63	214572	25.539	ug/L 99
20) cis-1,2-Dichloroethene	6.99	96	130152	25.886	ug/L 93
22) 2-Butanone	7.00	43	121699	50.465	ug/L 98

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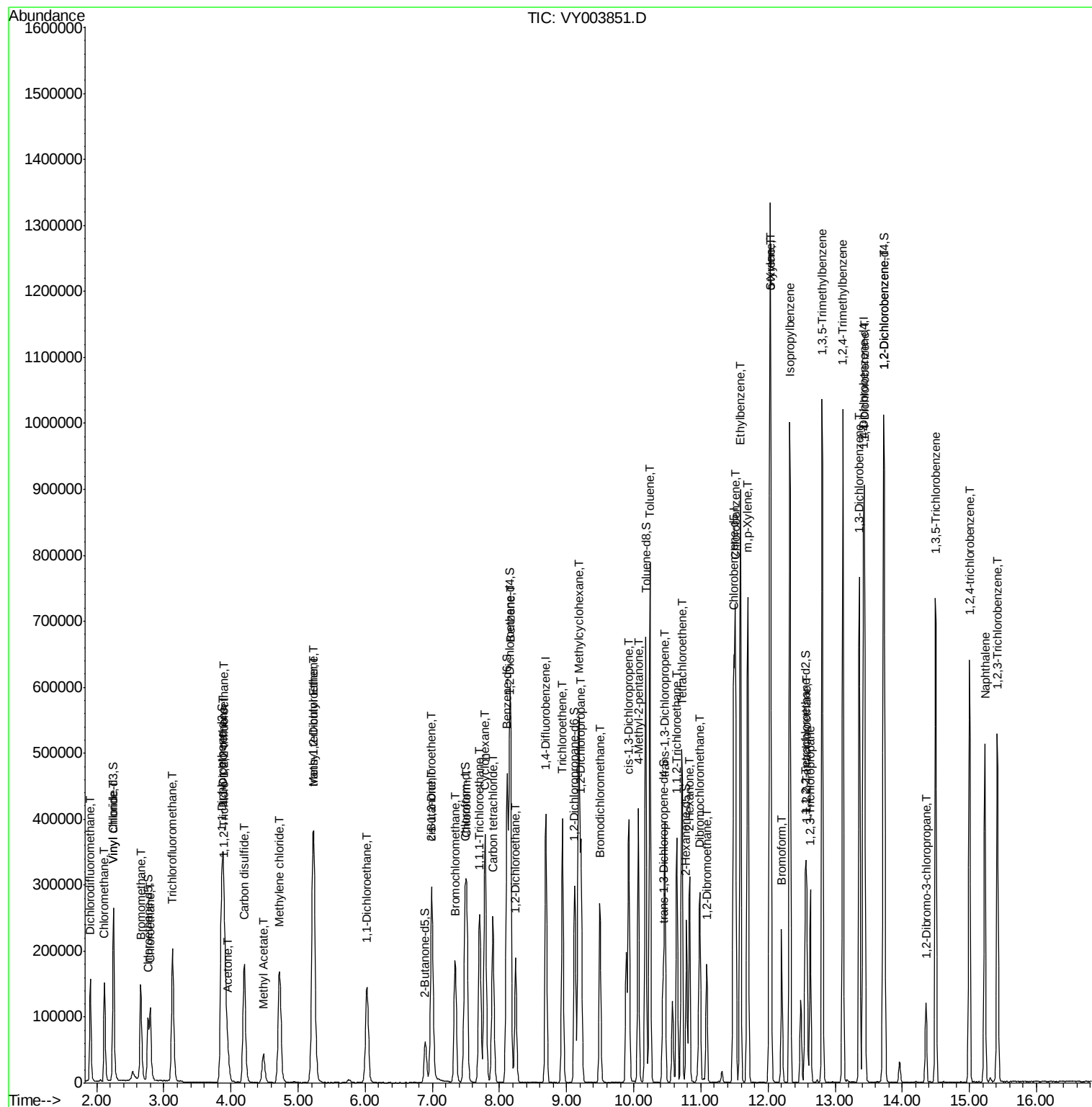
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	65313	26.270	ug/L	97
25) Chloroform	7.51	83	225662	25.621	ug/L	97
27) 1,2-Dichloroethane	8.24	62	176185	25.740	ug/L	98
29) Cyclohexane	7.78	56	207444	25.602	ug/L	99
30) 1,1,1-Trichloroethane	7.71	97	210906	25.343	ug/L	99
31) Carbon tetrachloride	7.90	117	195891	25.454	ug/L	100
33) Benzene	8.16	78	484723	25.647	ug/L	100
34) Trichloroethene	8.94	95	132567	25.381	ug/L	99
35) Methylcyclohexane	9.19	83	218613	25.719	ug/L	98
37) 1,2-Dichloropropane	9.22	63	123356	25.638	ug/L	99
38) Bromodichloromethane	9.50	83	175642	25.910	ug/L	99
39) cis-1,3-Dichloropropene	9.93	75	208951	25.421	ug/L	96
40) 4-Methyl-2-pentanone	10.07	43	260798	50.772	ug/L	100
42) Toluene	10.24	91	543328	25.989	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	203979	25.706	ug/L	100
45) 1,1,2-Trichloroethane	10.64	97	105798	25.601	ug/L	99
46) Tetrachloroethene	10.72	164	113773	25.182	ug/L	97
48) 2-Hexanone	10.83	43	188753	50.433	ug/L	98
49) Dibromochloromethane	10.98	129	133460	25.508	ug/L	96
50) 1,2-Dibromoethane	11.09	107	105284	25.800	ug/L	97
51) Chlorobenzene	11.51	112	347225	25.682	ug/L	98
52) Ethylbenzene	11.59	91	603293	25.761	ug/L	99
53) m,p-Xylene	11.70	106	229234	25.812	ug/L	95
54) o-Xylene	12.03	106	223524	25.848	ug/L	96
55) Styrene	12.04	104	392026	26.215	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.58	83	125584	25.678	ug/L	98
59) Bromoform	12.20	173	97961	25.425	ug/L	99
60) Isopropylbenzene	12.32	105	604960	25.632	ug/L	100
61) 1,2,3-Trichloropropane	12.63	75	110167	25.127	ug/L	98
62) 1,3,5-Trimethylbenzene	12.81	105	513085	26.173	ug/L	100
63) 1,2,4-Trimethylbenzene	13.12	105	518483	26.107	ug/L	99
64) 1,3-Dichlorobenzene	13.36	146	290990	25.451	ug/L	99
65) 1,4-Dichlorobenzene	13.44	146	293405	25.343	ug/L	99
67) 1,2-Dichlorobenzene	13.73	146	273761	25.570	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.35	75	28764	26.393	ug/L	92
69) 1,3,5-Trichlorobenzene	14.50	180	225199	25.266	ug/L	98
70) 1,2,4-trichlorobenzene	15.00	180	192759	25.507	ug/L	98
71) Naphthalene	15.23	128	414129	26.250	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	177093	26.530	ug/L	98

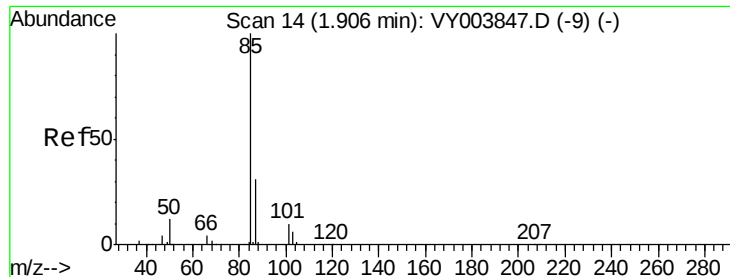
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.199 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.00 min

Lab File: VY003851.D

Acq: 29 Dec 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

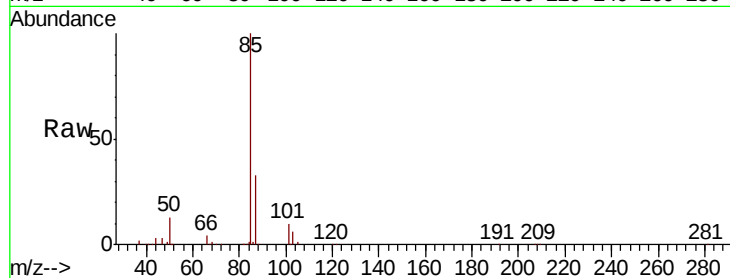
VSTD025201

Tot Ion: 85 Resp: 120571

Ion Ratio Lower Upper

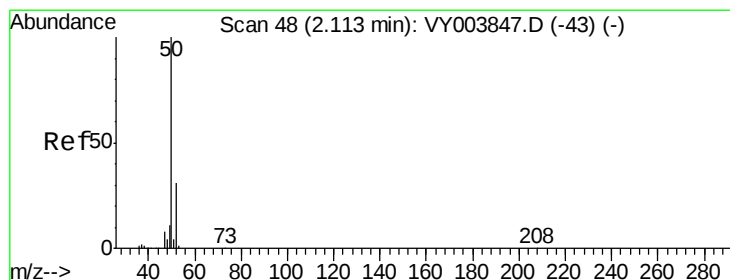
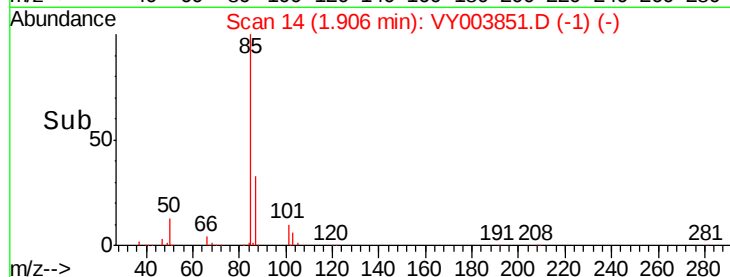
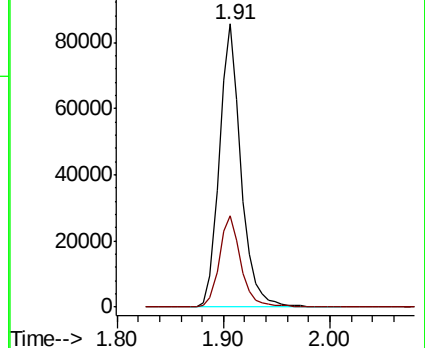
85 100

87 32.3 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VY003847.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VY003847.D (-9) (-)



#3

Chloromethane

Concen: 22.810 ug/L

RT: 2.11 min Scan# 48

Delta R.T. -0.00 min

Lab File: VY003851.D

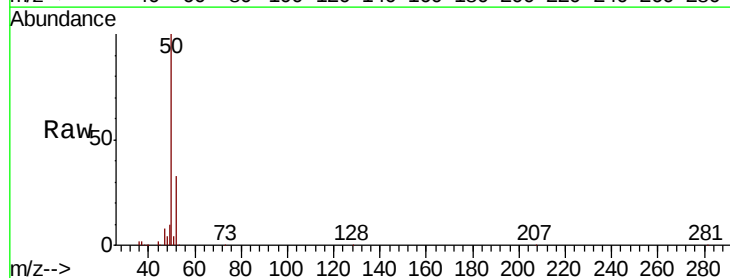
Acq: 29 Dec 2020 14:00

Tgt Ion: 50 Resp: 138740

Ion Ratio Lower Upper

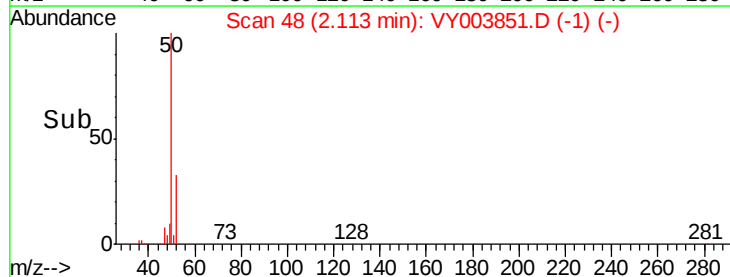
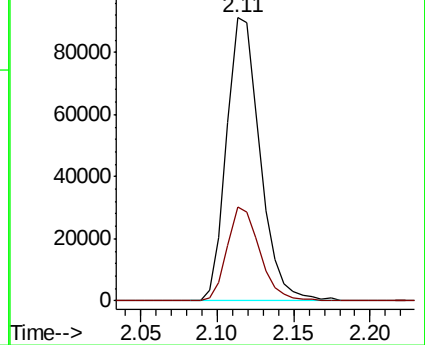
50 100

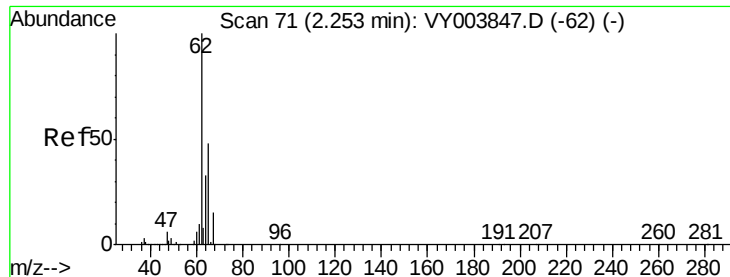
52 33.3 22.0 41.0



Abundance Ion 50.00 (49.70 to 50.70): VY003847.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VY003847.D (-43) (-)





#5

Vinyl chloride

Concen: 24.236 ug/L

RT: 2.25 min Scan# 71

Delta R.T. -0.00 min

Lab File: VY003851.D

Acq: 29 Dec 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

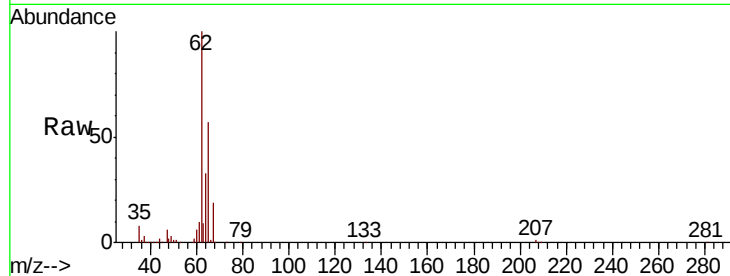
VSTD025201

Tot Ion: 62 Resp: 156406

Ion Ratio Lower Upper

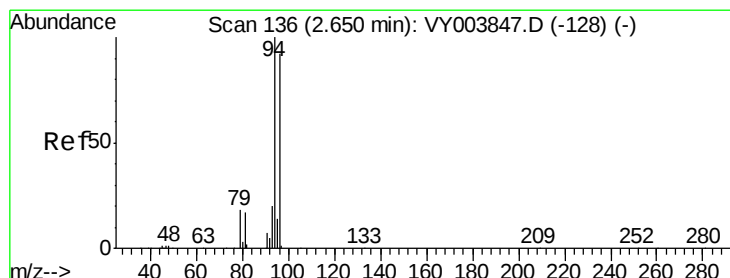
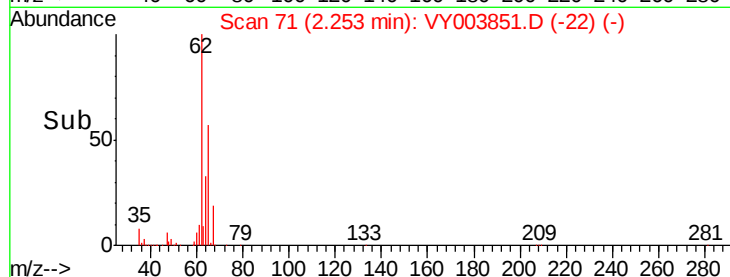
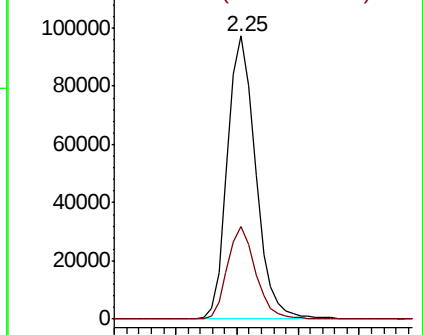
62 100

64 32.8 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 25.710 ug/L

RT: 2.66 min Scan# 137

Delta R.T. 0.01 min

Lab File: VY003851.D

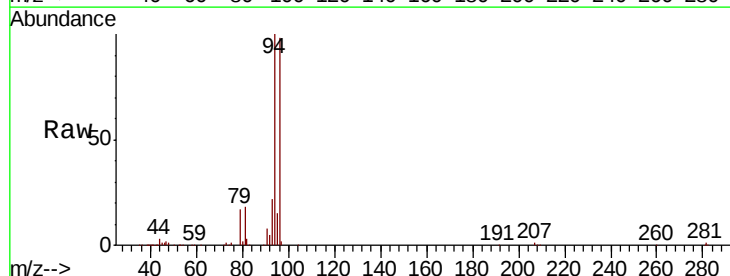
Acq: 29 Dec 2020 14:00

Tgt Ion: 94 Resp: 101439

Ion Ratio Lower Upper

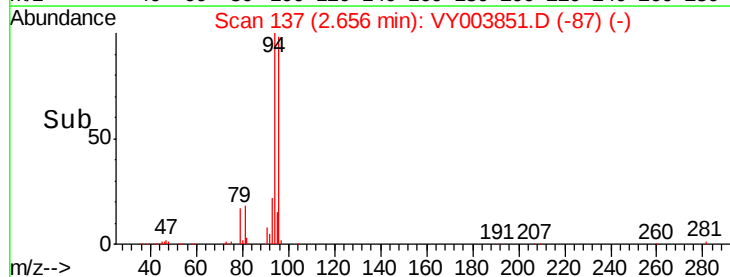
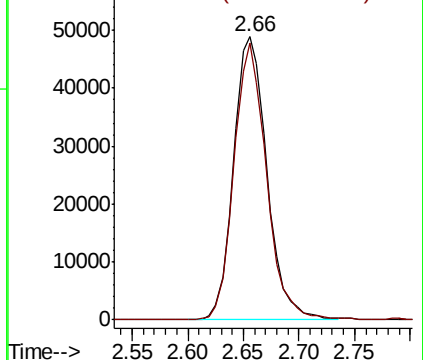
94 100

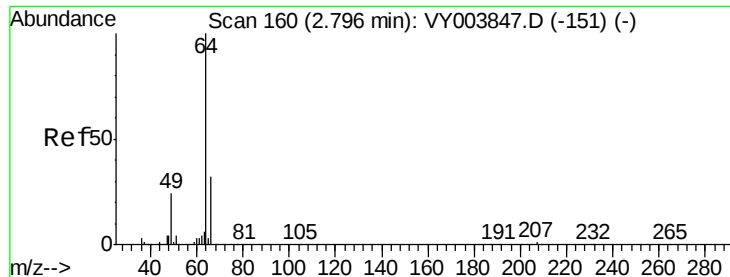
96 97.9 64.3 119.3



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

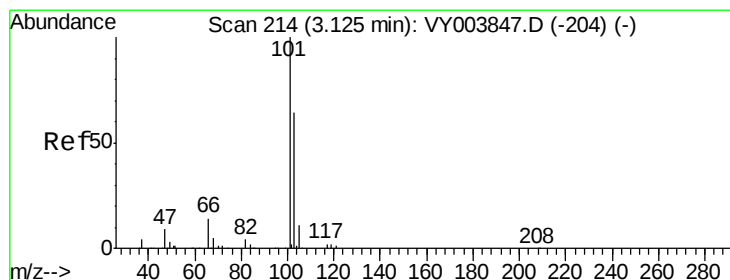
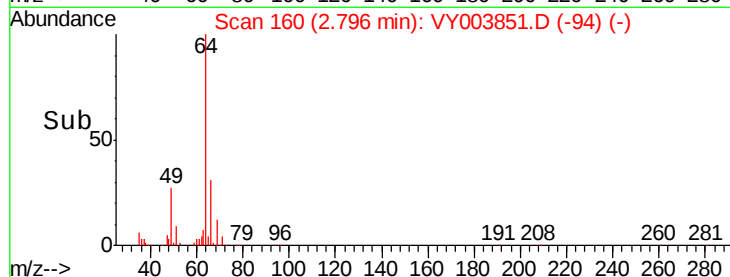
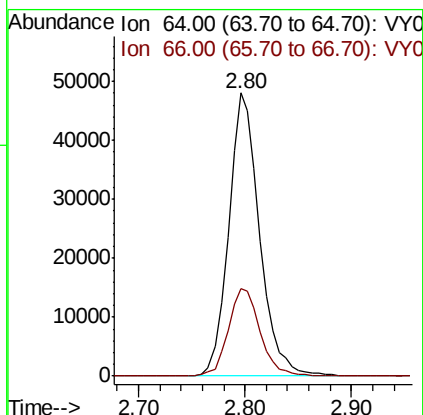
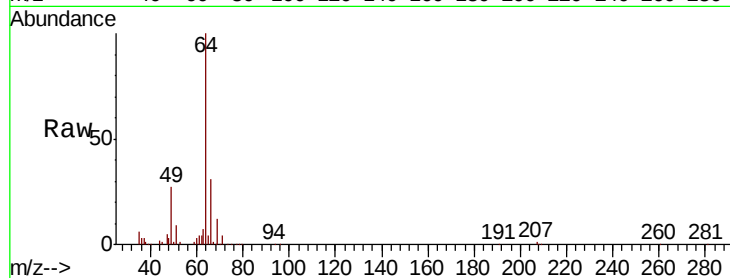




#8
Chloroethane
Concen: 24.957 ug/L
RT: 2.80 min Scan# 160
Delta R.T. -0.00 min
Lab File: VY003851.D
Acq: 29 Dec 2020 14:00

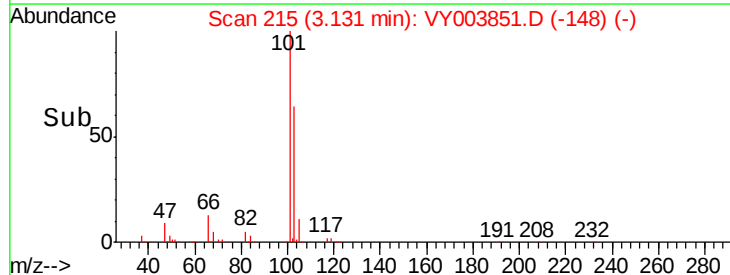
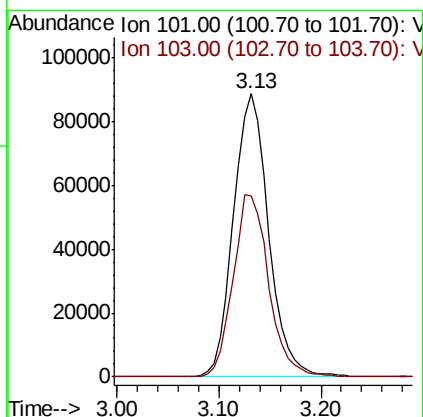
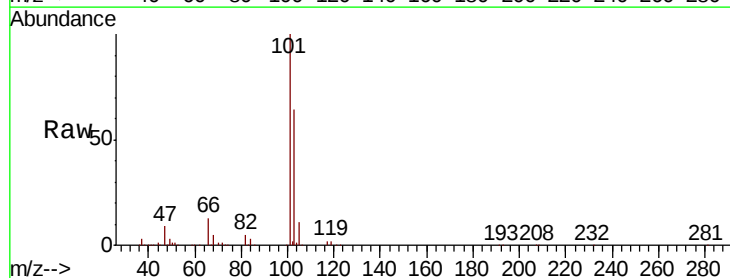
Instrument :
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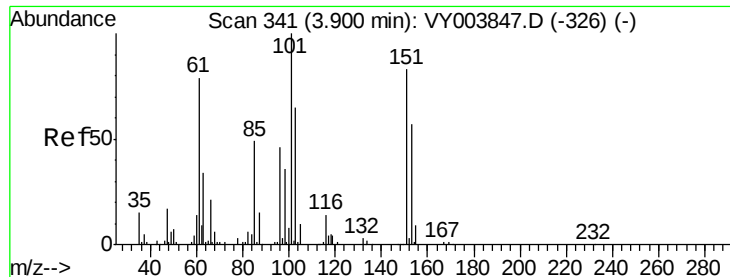
Tot Ion: 64 Resp: 97199
Ion Ratio Lower Upper
64 100
66 31.0 22.5 41.7



#9
Trichlorofluoromethane
Concen: 24.585 ug/L
RT: 3.13 min Scan# 215
Delta R.T. 0.01 min
Lab File: VY003851.D
Acq: 29 Dec 2020 14:00

Tgt Ion: 101 Resp: 211955
Ion Ratio Lower Upper
101 100
103 65.4 51.4 77.0





#10

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

Concen: 24.829 ug/L

RT: 3.91 min Scan# 342

Delta R.T. 0.01 min

Lab File: VY003851.D

Acq: 29 Dec 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025201

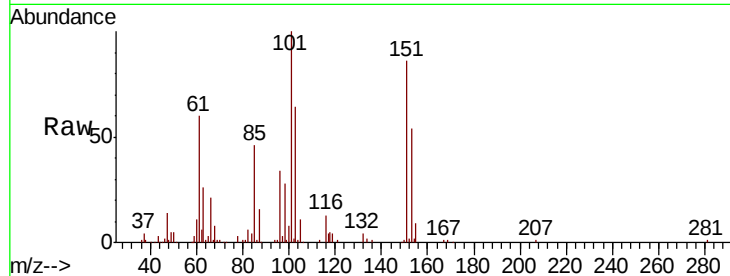
Tot Ion:101 Resp: 112400

Ion Ratio Lower Upper

101 100

85 46.4 37.1 55.7

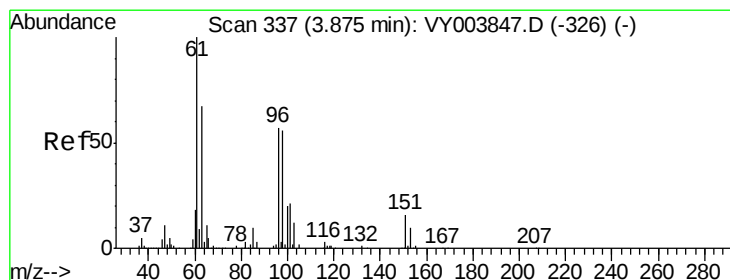
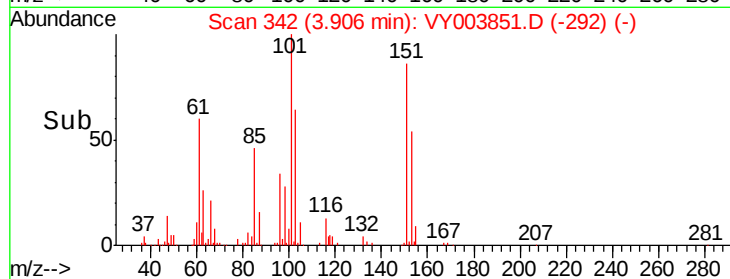
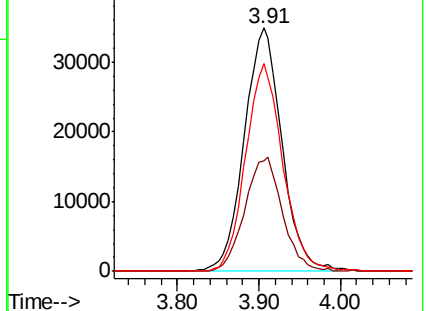
151 84.1 66.4 99.6



Abundance Ion 101.00 (100.70 to 101.70): VY003847.D (-326) (-)

Ion 85.00 (84.70 to 85.70): VY003847.D (-326) (-)

Ion 151.00 (150.70 to 151.70): VY003847.D (-326) (-)



#12

1,1-Dichloroethene

Concen: 25.076 ug/L

RT: 3.88 min Scan# 337

Delta R.T. -0.00 min

Lab File: VY003851.D

Acq: 29 Dec 2020 14:00

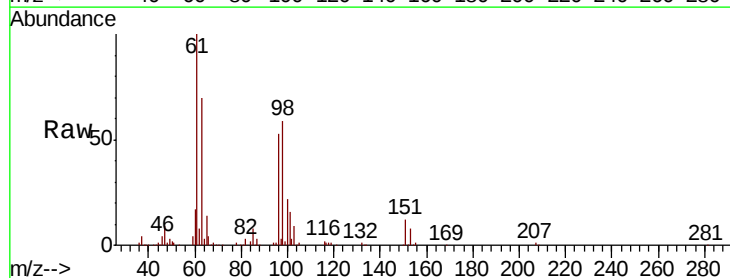
Tgt Ion: 96 Resp: 106570

Ion Ratio Lower Upper

96 100

61 189.5 123.8 230.0

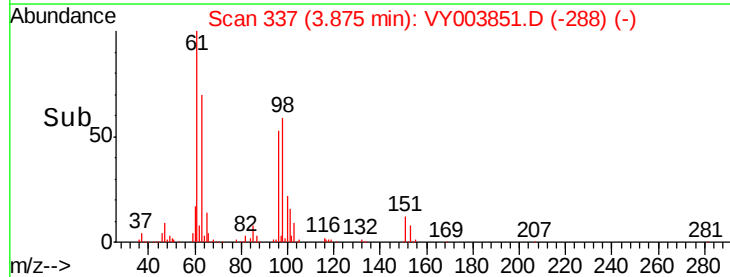
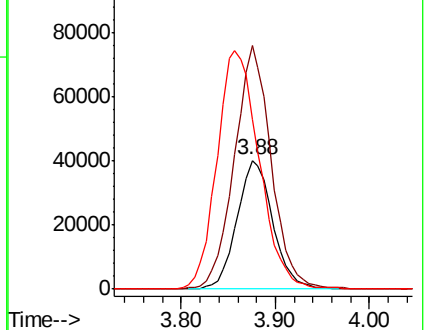
63 132.0 85.3 158.3

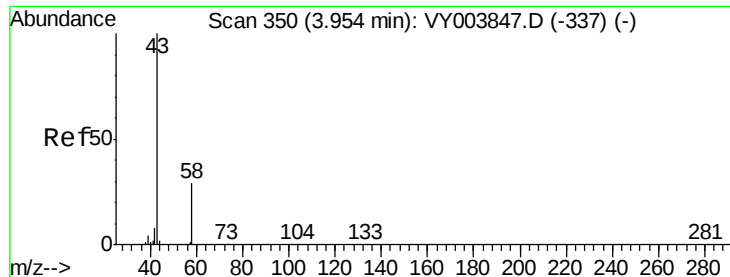


Abundance Ion 96.00 (95.70 to 96.70): VY003847.D (-326) (-)

Ion 61.00 (60.70 to 61.70): VY003847.D (-326) (-)

Ion 63.00 (62.70 to 63.70): VY003847.D (-326) (-)





#13

Acetone

Concen: 48.870 ug/L

RT: 3.95 min Scan# 350

Delta R.T. -0.00 min

Lab File: VY003851.D

Acq: 29 Dec 2020 14:00

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ClientSampleId :

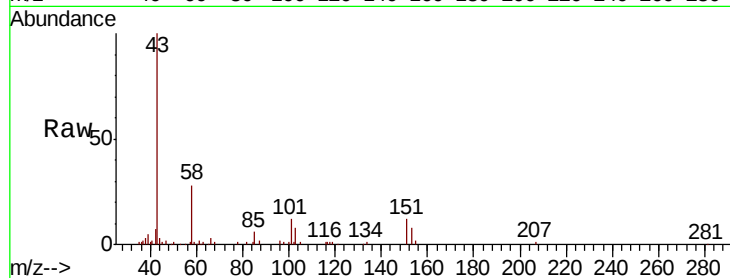
VSTD025201

Tot Ion: 43 Resp: 76040

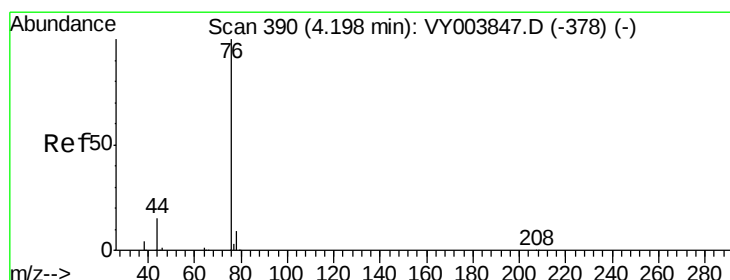
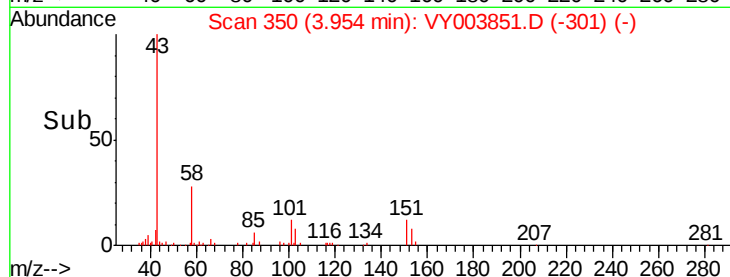
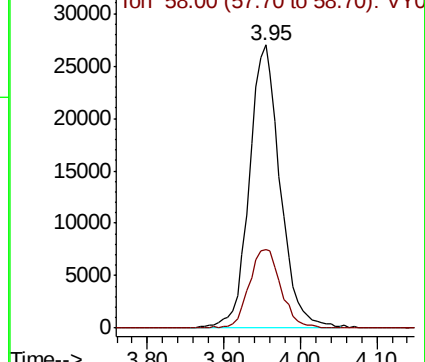
Ion Ratio Lower Upper

43 100

58 28.5 0.0 58.4



Abundance Ion 43.00 (42.70 to 43.70): VY003847.D (-337) (-)



#14

Carbon disulfide

Concen: 25.828 ug/L

RT: 4.20 min Scan# 390

Delta R.T. -0.00 min

Lab File: VY003851.D

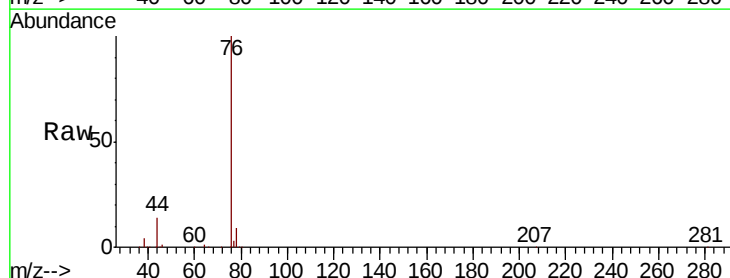
Acq: 29 Dec 2020 14:00

Tgt Ion: 76 Resp: 369438

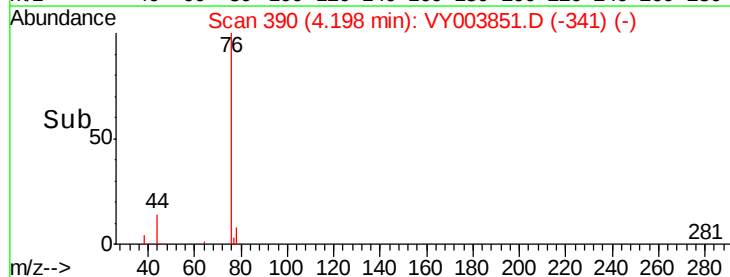
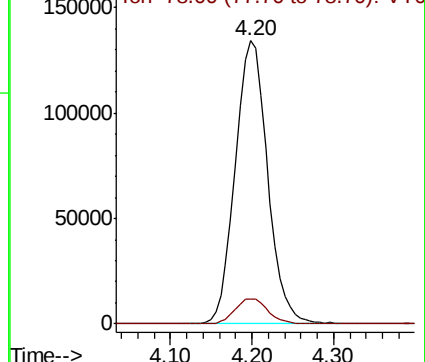
Ion Ratio Lower Upper

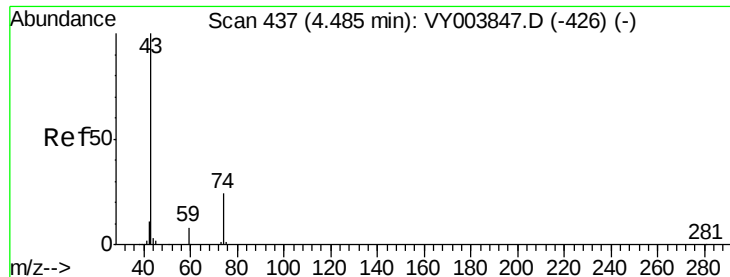
76 100

78 8.8 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VY003847.D (-378) (-)

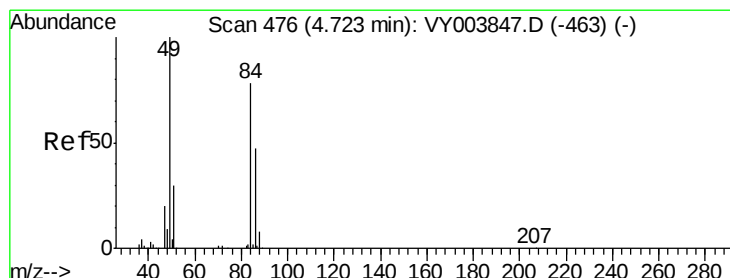
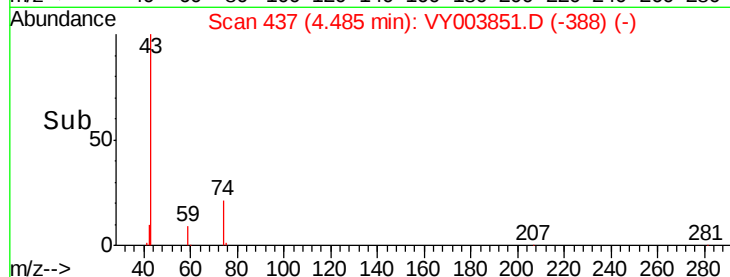
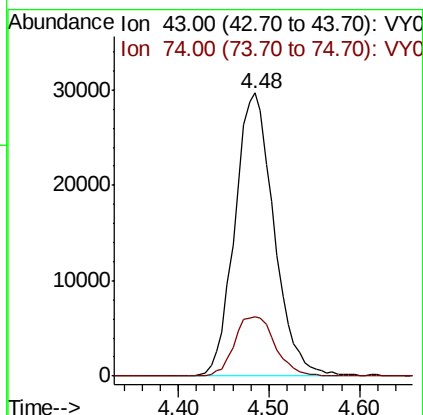
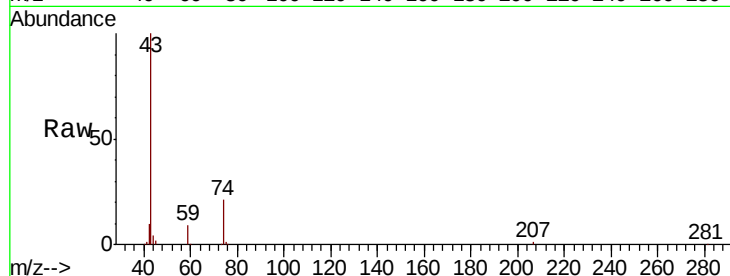




#15
Methvl Acetate
Concen: 24.786 ug/L
RT: 4.48 min Scan# 437
Delta R.T. -0.00 min
Lab File: VY003851.D
Acq: 29 Dec 2020 14:00

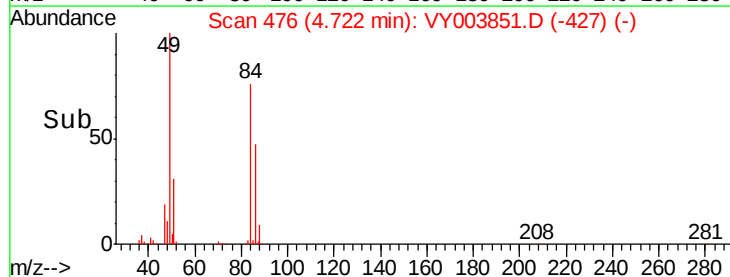
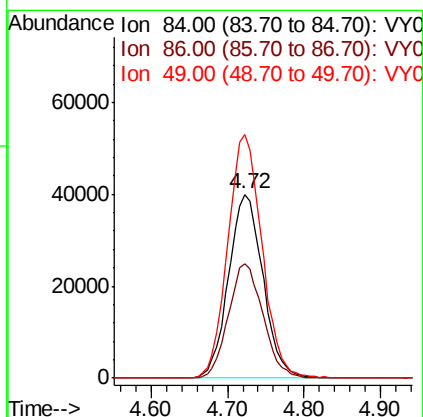
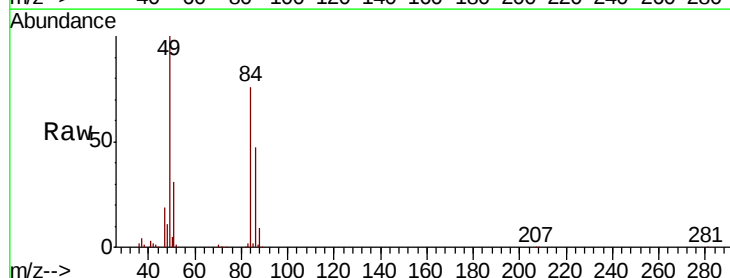
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025201

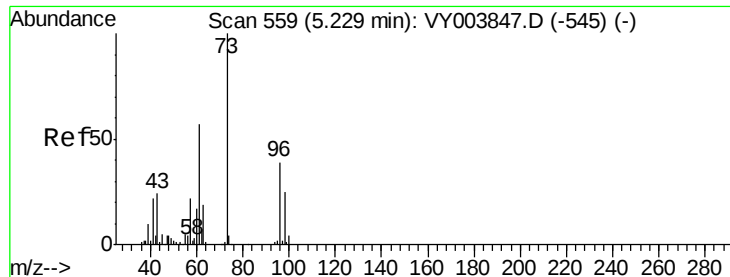
Tot Ion: 43 Resp: 88734
Ion Ratio Lower Upper
43 100
74 21.4 17.4 26.2



#16
Methylene chloride
Concen: 23.952 ug/L
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VY003851.D
Acq: 29 Dec 2020 14:00

Tgt Ion: 84 Resp: 124544
Ion Ratio Lower Upper
84 100
86 61.9 42.1 78.3
49 132.4 90.3 167.7

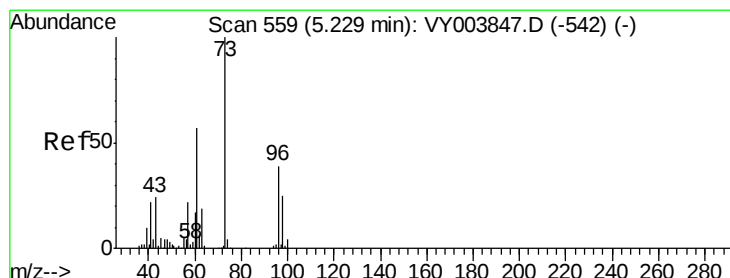
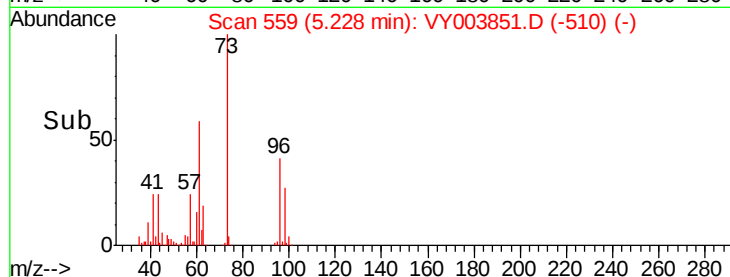
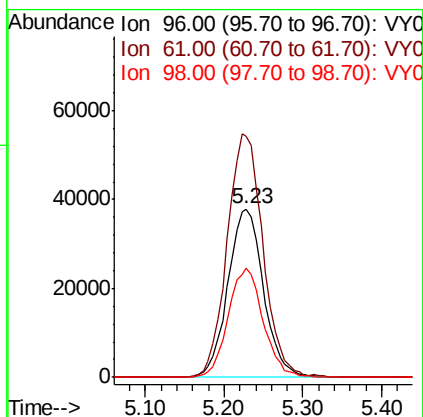
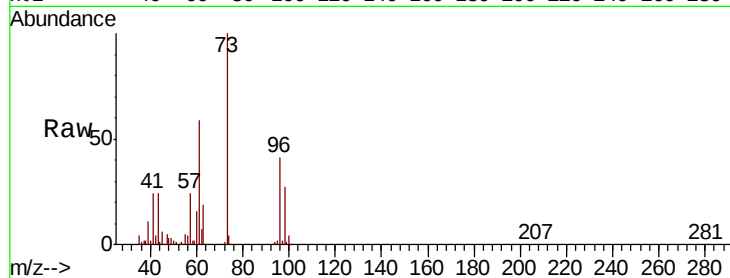




#17
trans-1,2-Dichloroethene
Concen: 25.453 ug/L
RT: 5.23 min Scan# 559
Delta R.T. -0.00 min
Lab File: VY003851.D
Acq: 29 Dec 2020 14:00

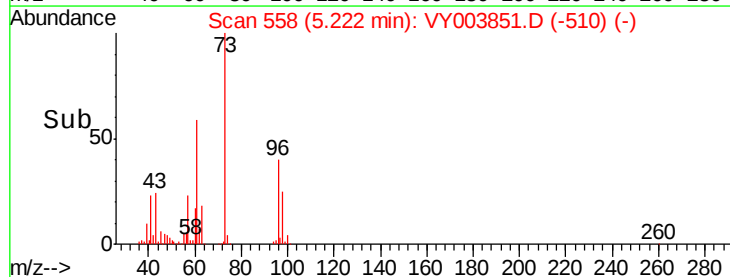
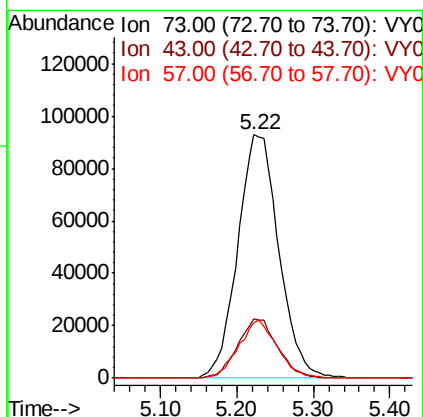
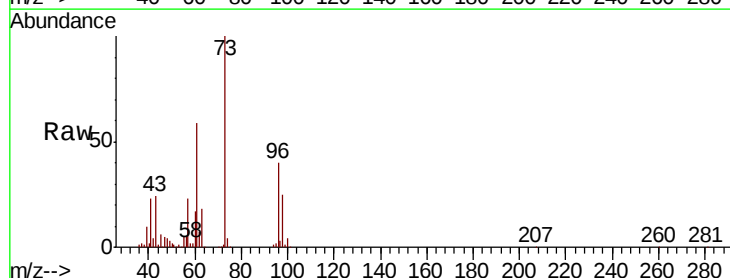
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025201

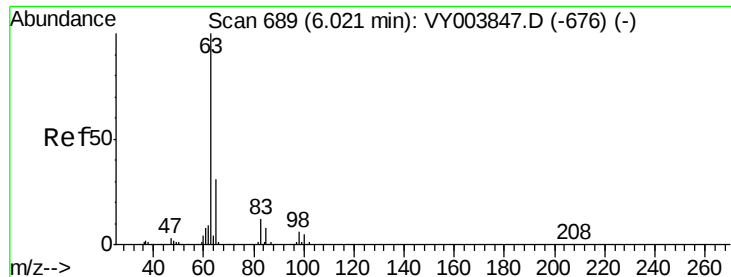
Tot Ion: 96 Resp: 118358
Ion Ratio Lower Upper
96 100
61 142.9 101.7 188.9
98 64.9 44.3 82.3



#18
Methyl tert-butyl Ether
Concen: 25.235 ug/L
RT: 5.22 min Scan# 558
Delta R.T. -0.01 min
Lab File: VY003851.D
Acq: 29 Dec 2020 14:00

Tgt Ion: 73 Resp: 346614
Ion Ratio Lower Upper
73 100
43 23.6 18.4 27.6
57 22.4 17.6 26.4

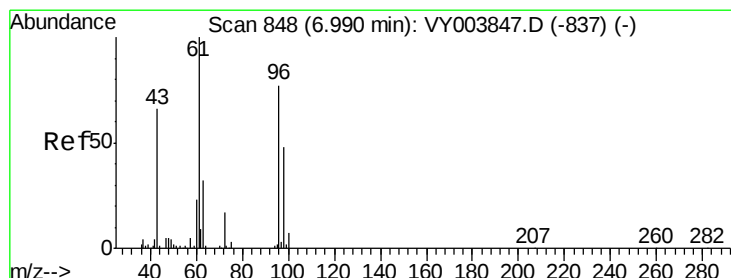
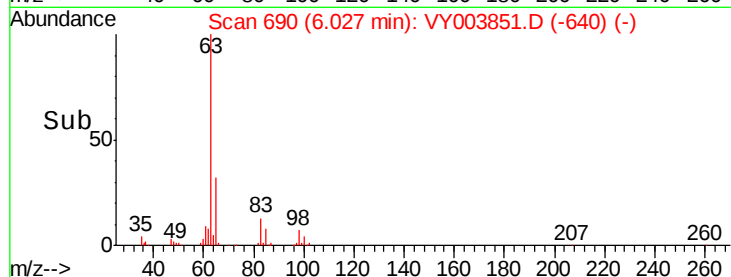
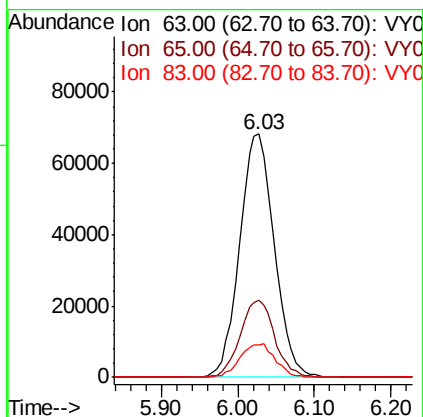
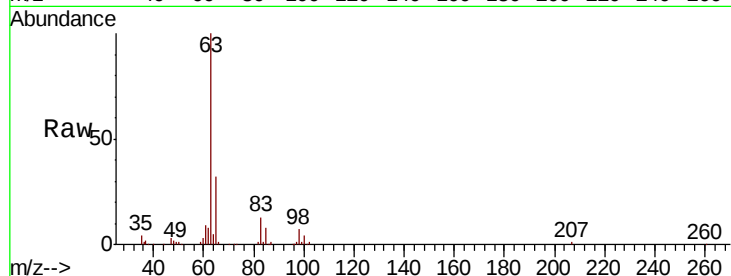




#19
 1,1-Dichloroethane
 Concen: 25.539 ug/L
 RT: 6.03 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VY003851.D
 Acq: 29 Dec 2020 14:00

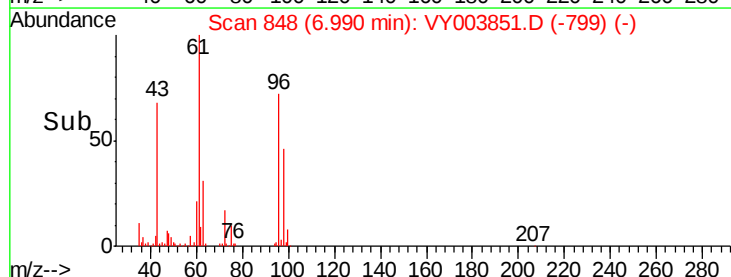
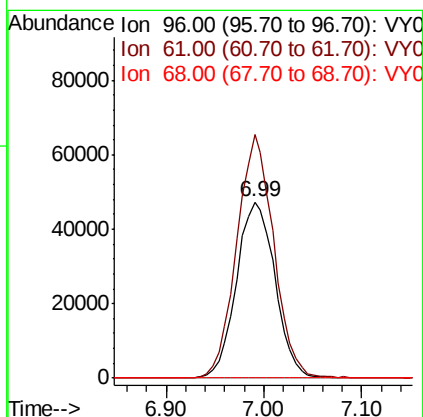
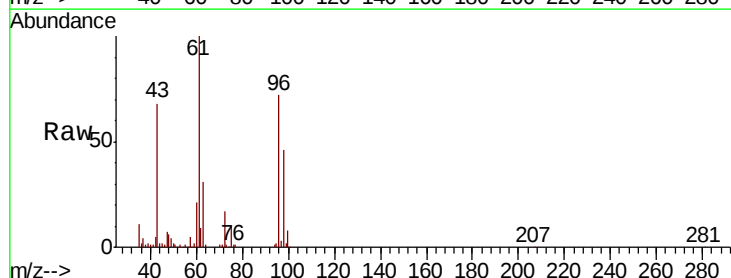
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025201

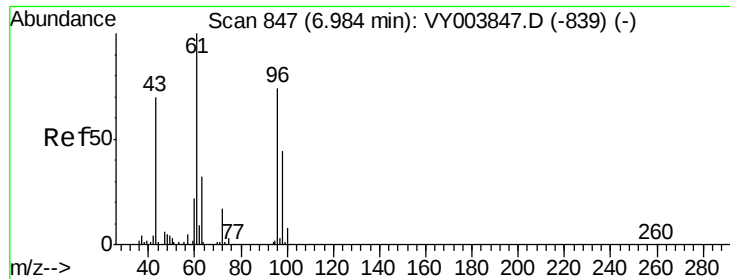
Tot Ion: 63 Resp: 214572
 Ion Ratio Lower Upper
 63 100
 65 32.0 21.9 40.7
 83 13.1 8.7 16.1



#20
 cis-1,2-Dichloroethene
 Concen: 25.886 ug/L
 RT: 6.99 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VY003851.D
 Acq: 29 Dec 2020 14:00

Tgt Ion: 96 Resp: 130152
 Ion Ratio Lower Upper
 96 100
 61 138.2 90.6 168.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 50.465 ug/L

RT: 7.00 min Scan# 849

Delta R.T. 0.01 min

Lab File: VY003851.D

Acq: 29 Dec 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

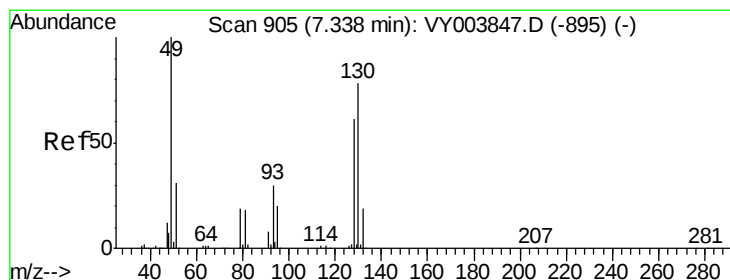
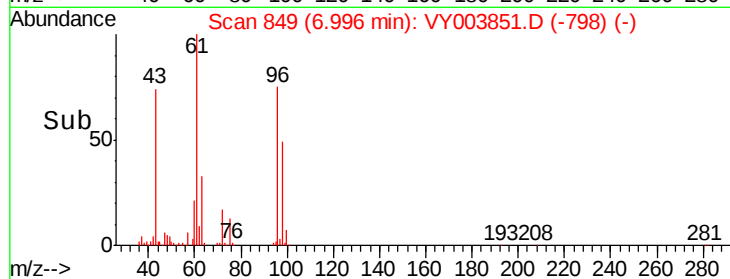
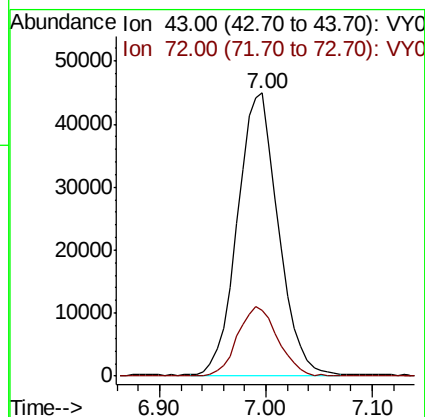
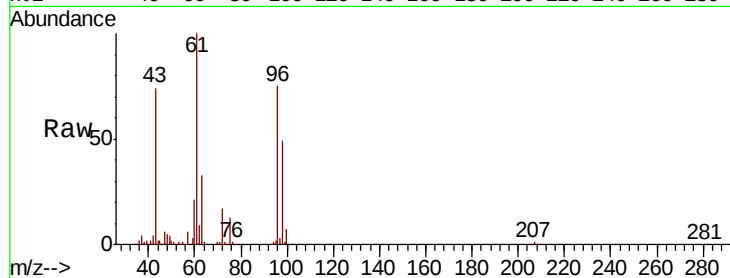
VSTD025201

Tot Ion: 43 Resp: 121699

Ion Ratio Lower Upper

43 100

72 24.0 12.6 37.8



#23

Bromochloromethane

Concen: 26.270 ug/L

RT: 7.34 min Scan# 905

Delta R.T. -0.00 min

Lab File: VY003851.D

Acq: 29 Dec 2020 14:00

Tgt Ion: 128 Resp: 65313

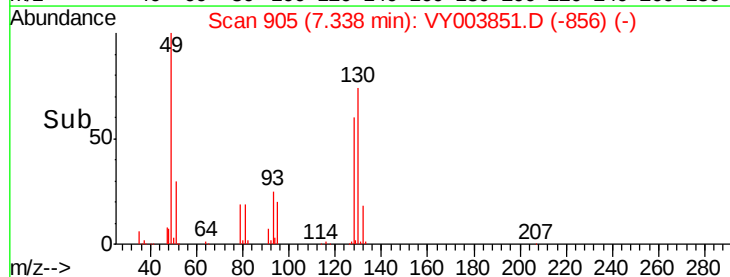
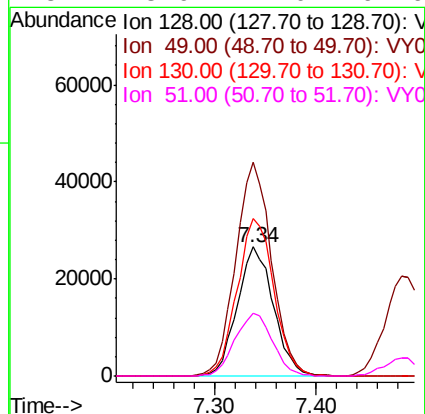
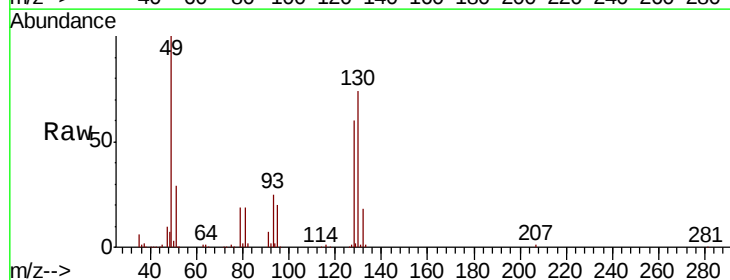
Ion Ratio Lower Upper

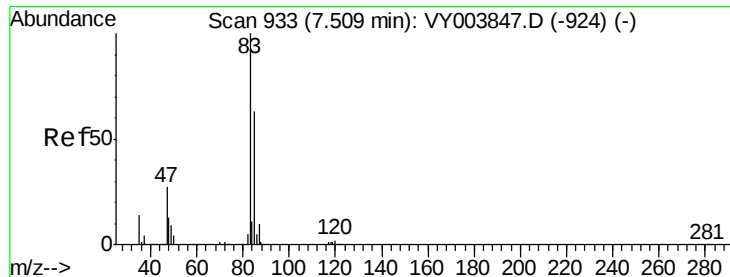
128 100

49 165.9 114.4 212.4

130 122.4 88.8 164.8

51 48.9 41.0 61.6





#25

Chloroform

Concen: 25.621 ug/L

RT: 7.51 min Scan# 934

Delta R.T. 0.01 min

Lab File: VY003851.D

Acq: 29 Dec 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

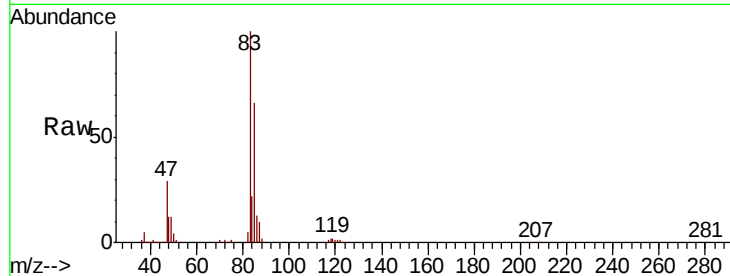
VSTD025201

Tot Ion: 83 Resp: 225662

Ion Ratio Lower Upper

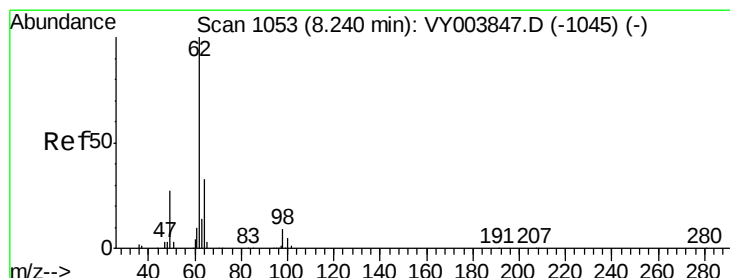
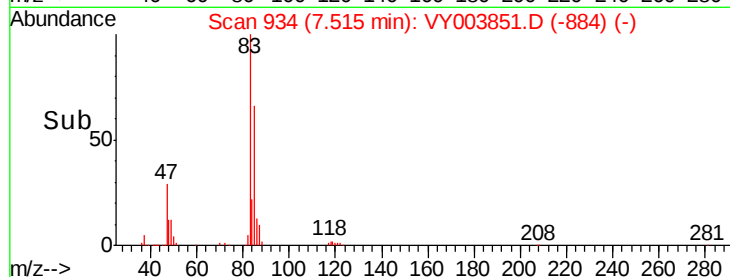
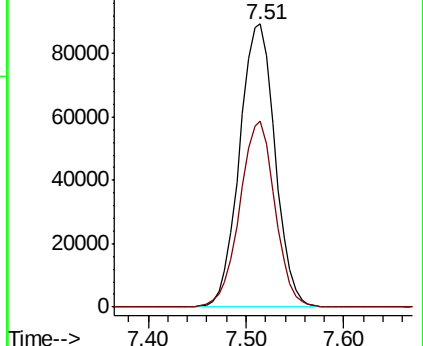
83 100

85 65.8 44.2 82.2



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#27

1,2-Dichloroethane

Concen: 25.740 ug/L

RT: 8.24 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY003851.D

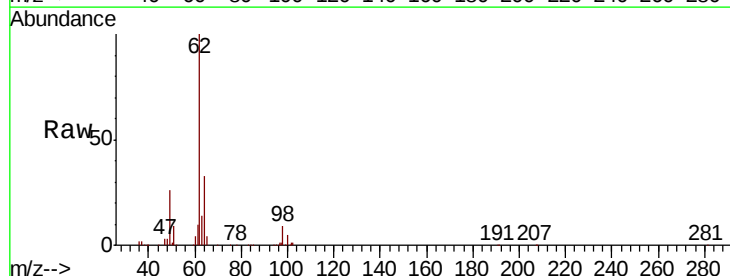
Acq: 29 Dec 2020 14:00

Tgt Ion: 62 Resp: 176185

Ion Ratio Lower Upper

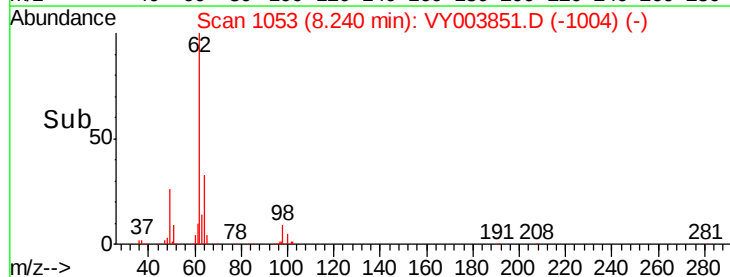
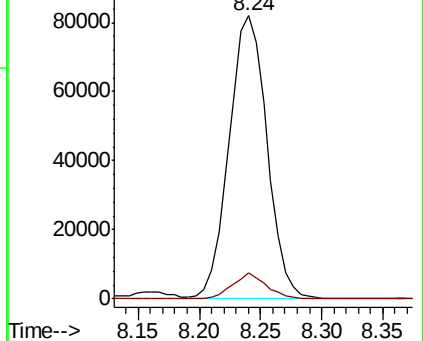
62 100

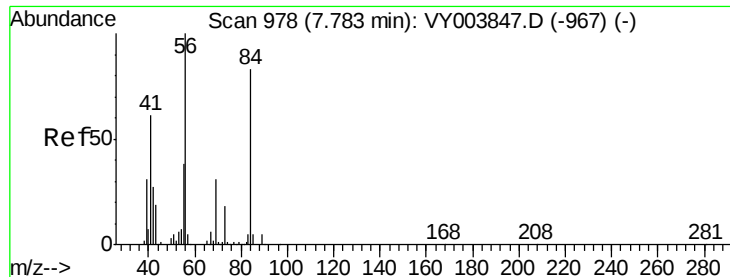
98 9.1 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

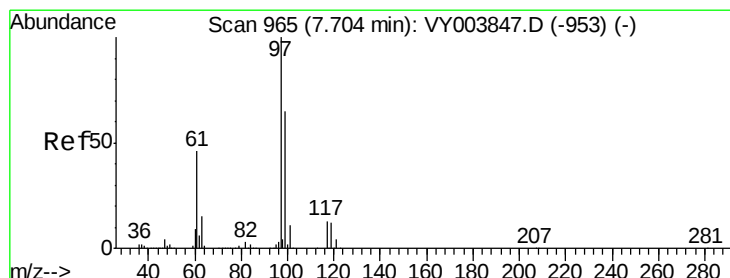
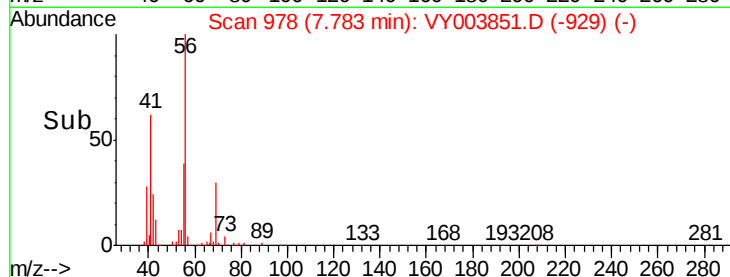
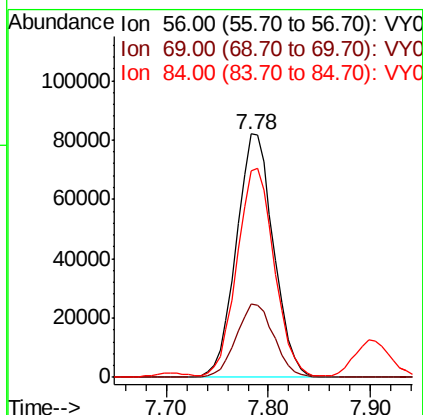
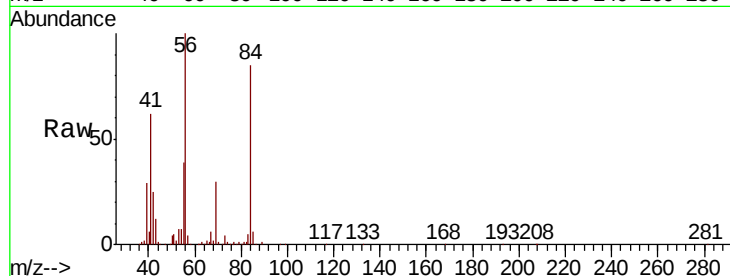




#29
Cyclohexane
Concen: 25.602 ug/L
RT: 7.78 min Scan# 978
Delta R.T. -0.00 min
Lab File: VY003851.D
Acq: 29 Dec 2020 14:00

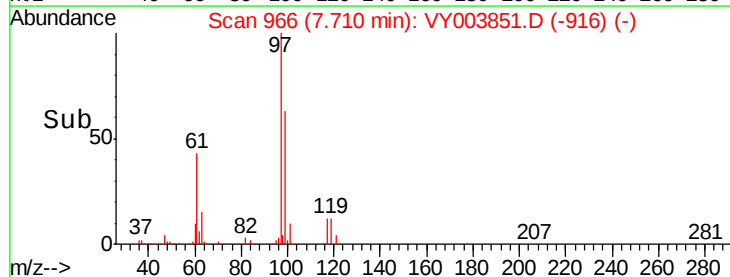
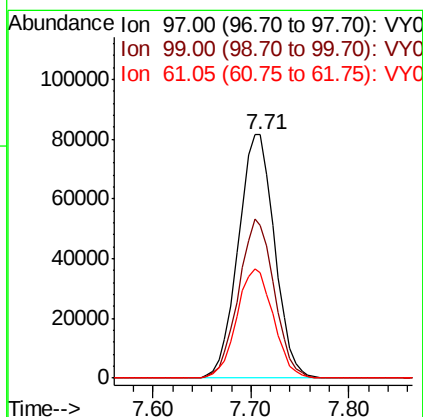
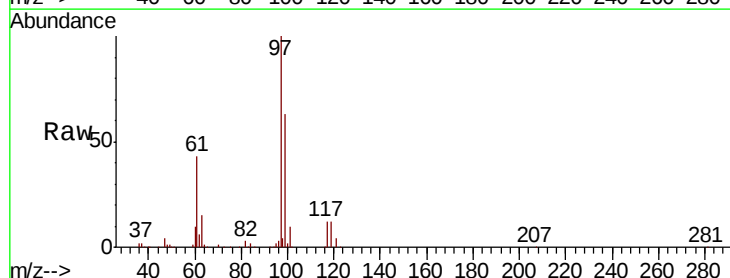
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025201

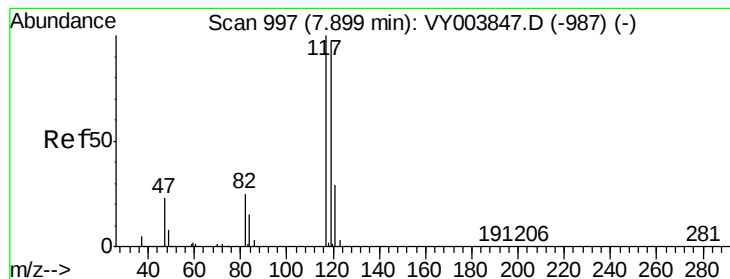
Tot Ion: 56 Resp: 207444
Ion Ratio Lower Upper
56 100
69 30.5 24.2 36.2
84 86.7 68.7 103.1



#30
1,1,1-Trichloroethane
Concen: 25.343 ug/L
RT: 7.71 min Scan# 966
Delta R.T. 0.01 min
Lab File: VY003851.D
Acq: 29 Dec 2020 14:00

Tgt Ion: 97 Resp: 210906
Ion Ratio Lower Upper
97 100
99 63.9 50.5 75.7
61 45.0 35.5 53.3





#31

Carbon tetrachloride

Concen: 25.454 ug/L

RT: 7.90 min Scan# 997

Delta R.T. -0.00 min

Lab File: VY003851.D

Acq: 29 Dec 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

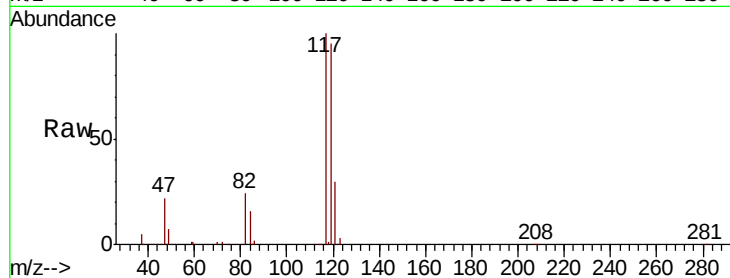
VSTD025201

Tot Ion:117 Resp: 195891

Ion Ratio Lower Upper

117 100

119 94.9 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

7.90

80000

60000

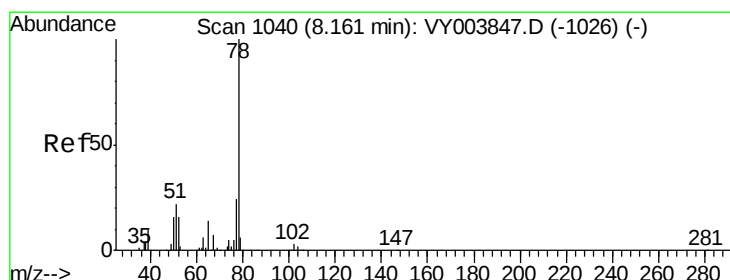
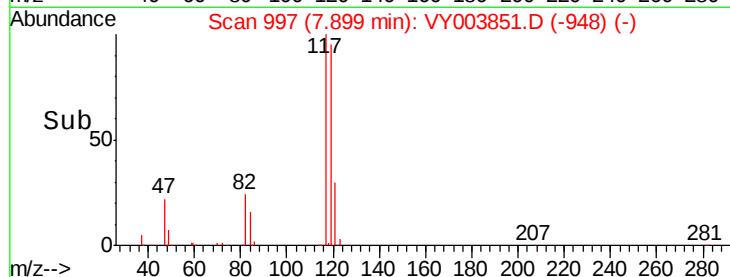
40000

20000

0

7.80 7.90 8.00

Time-->



#33

Benzene

Concen: 25.647 ug/L

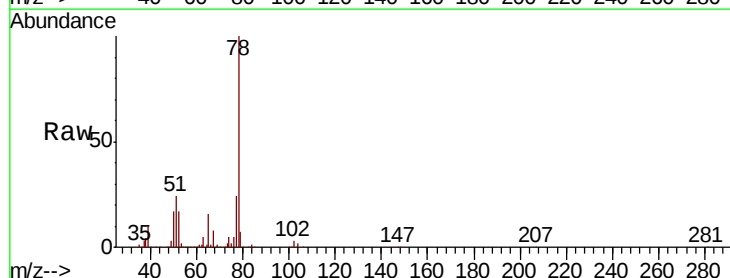
RT: 8.16 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VY003851.D

Acq: 29 Dec 2020 14:00

Tgt Ion: 78 Resp: 484723



Abundance Ion 78.00 (77.70 to 78.70): VY0

250000

200000

150000

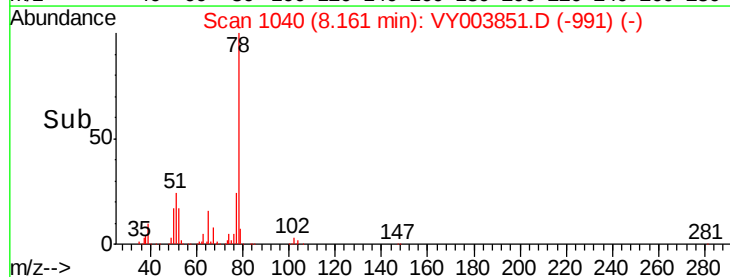
100000

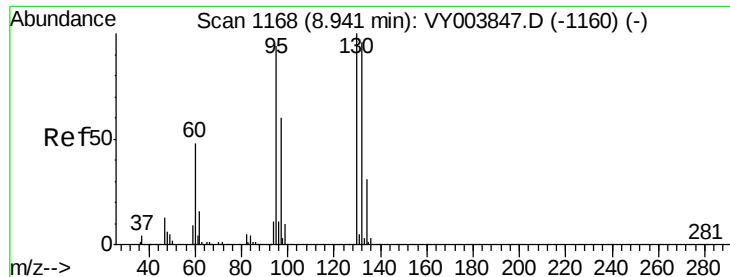
50000

0

8.00 8.10 8.20

Time-->

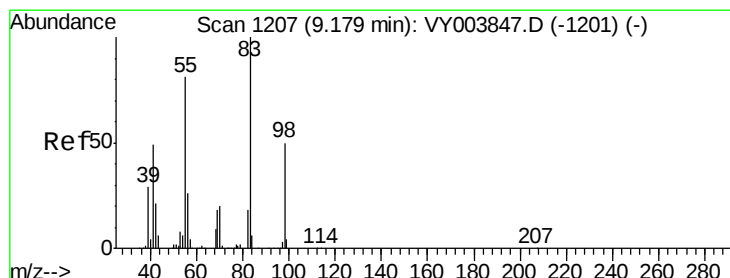
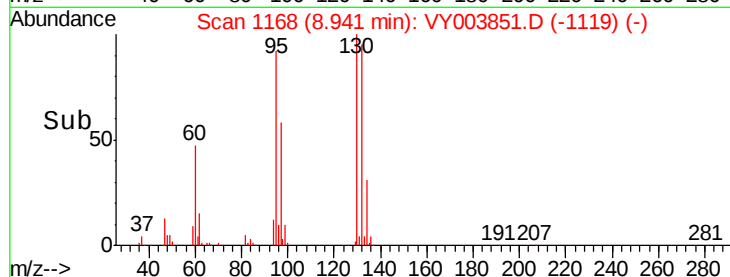
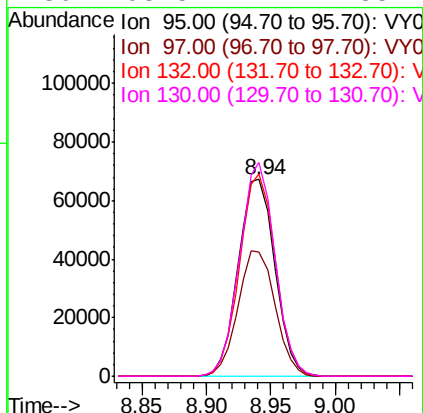
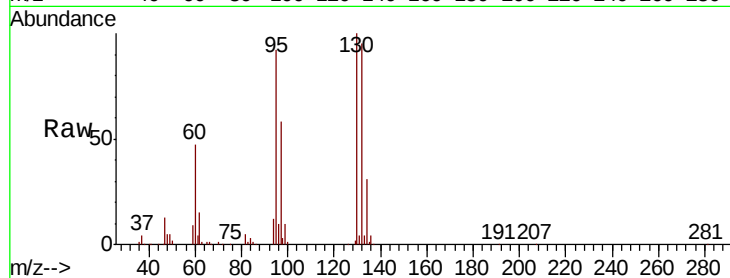




#34
 Trichloroethene
 Concen: 25.381 ug/L
 RT: 8.94 min Scan# 1168
 Delta R.T. -0.00 min
 Lab File: VY003851.D
 Acq: 29 Dec 2020 14:00

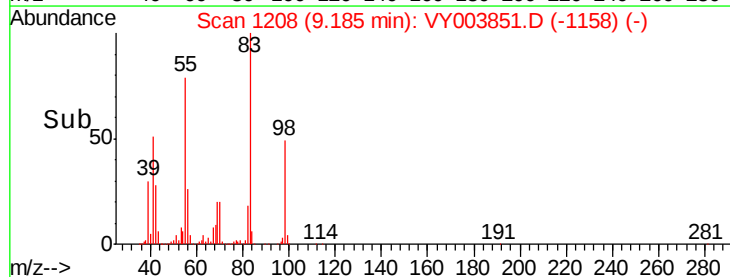
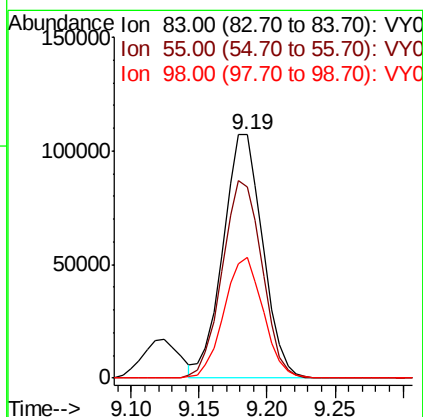
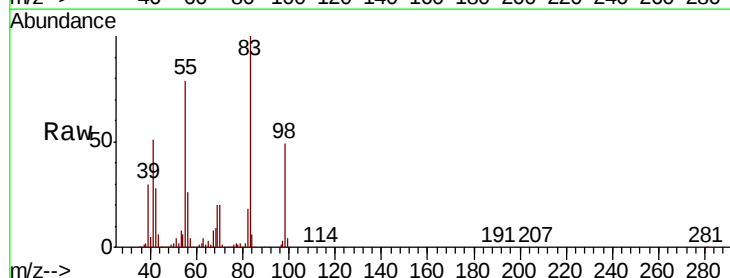
Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD025201

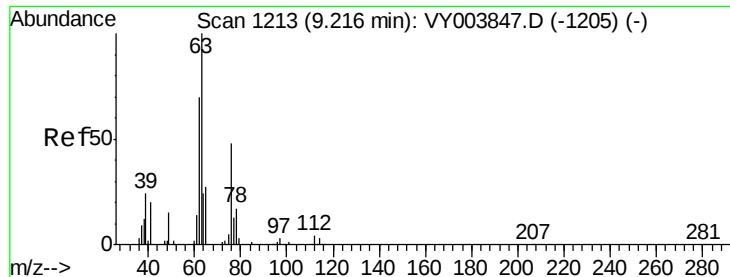
Tot Ion	95	Resp	132567
Ion Ratio	Lower	Upper	
95	100		
97	63.0	44.4	82.5
132	103.1	71.8	133.4
130	108.5	74.4	138.2



#35
 Methylcyclohexane
 Concen: 25.719 ug/L
 RT: 9.19 min Scan# 1208
 Delta R.T. 0.01 min
 Lab File: VY003851.D
 Acq: 29 Dec 2020 14:00

Tgt Ion	83	Resp	218613
Ion Ratio	Lower	Upper	
83	100		
55	80.7	62.9	94.3
98	48.8	39.7	59.5

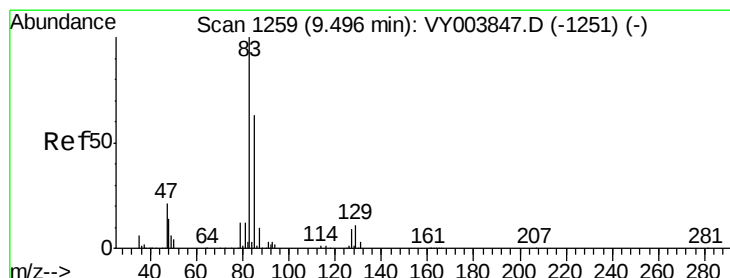
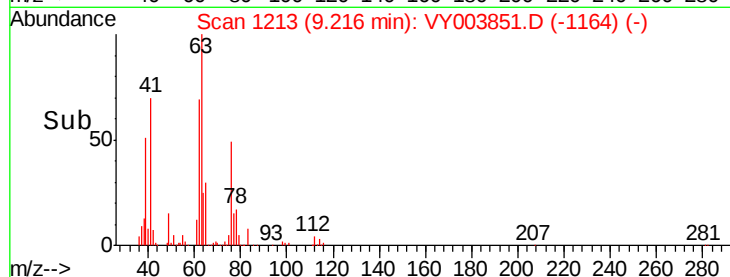
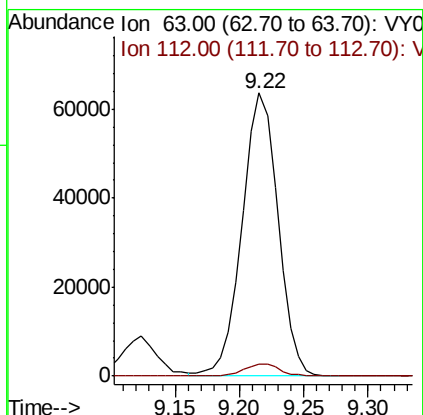
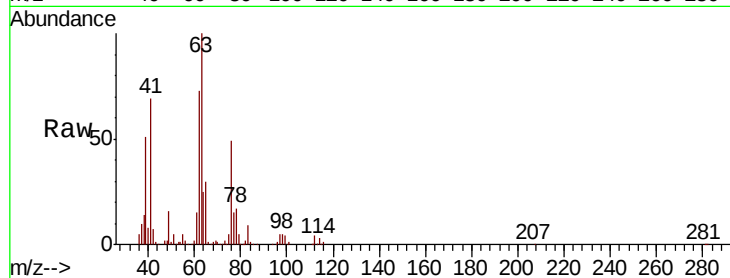




#37
 1,2-Dichloropropane
 Concen: 25.638 ug/L
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VY003851.D
 Acq: 29 Dec 2020 14:00

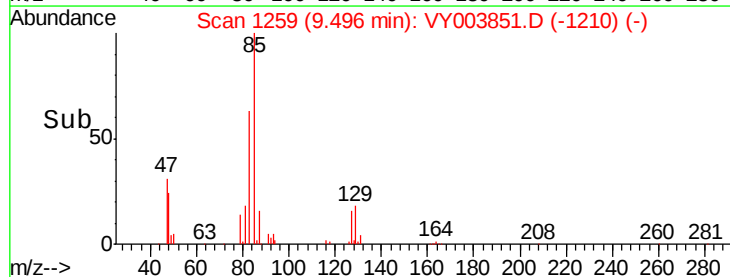
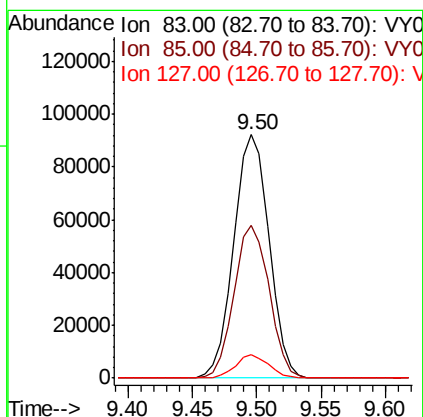
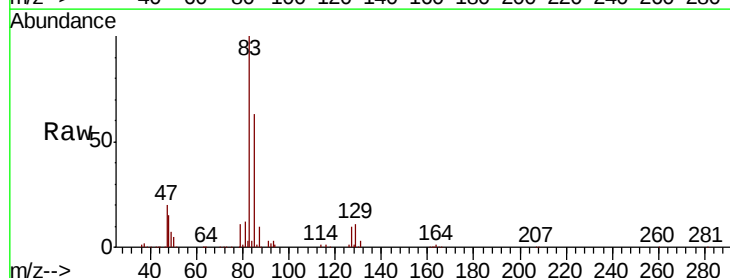
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025201

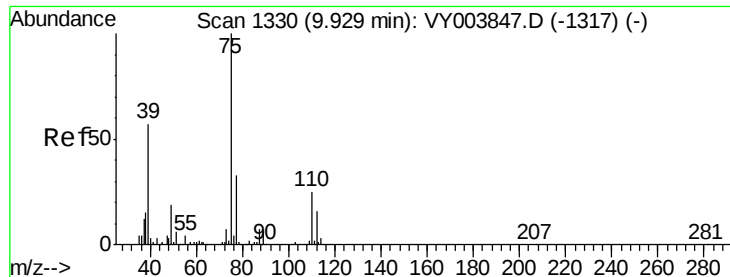
Tot Ion: 63 Resp: 123356
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.7 5.5



#38
 Bromodichloromethane
 Concen: 25.910 ug/L
 RT: 9.50 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VY003851.D
 Acq: 29 Dec 2020 14:00

Tgt Ion: 83 Resp: 175642
 Ion Ratio Lower Upper
 83 100
 85 62.7 44.2 82.0
 127 9.8 7.3 10.9



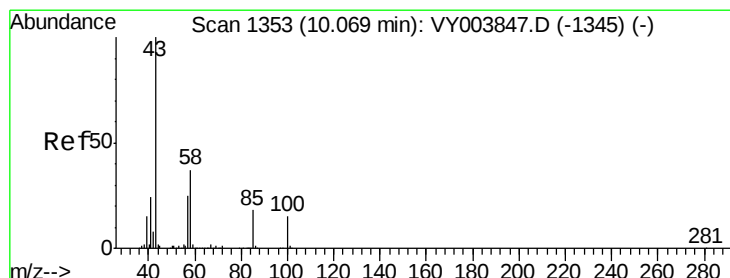
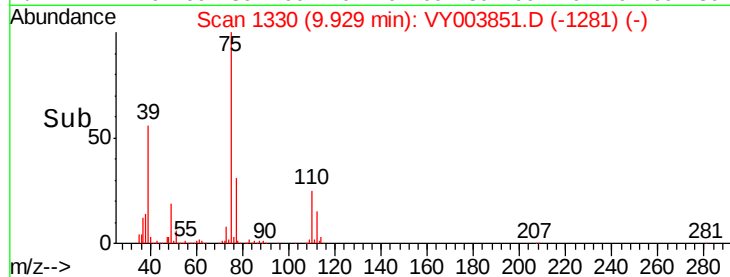
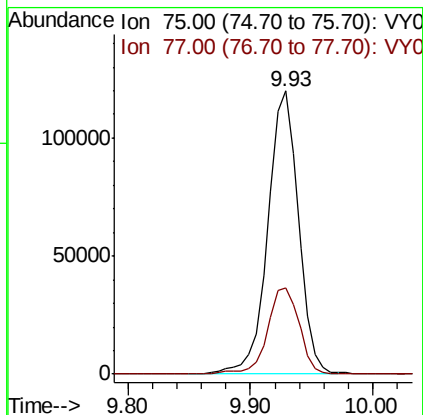
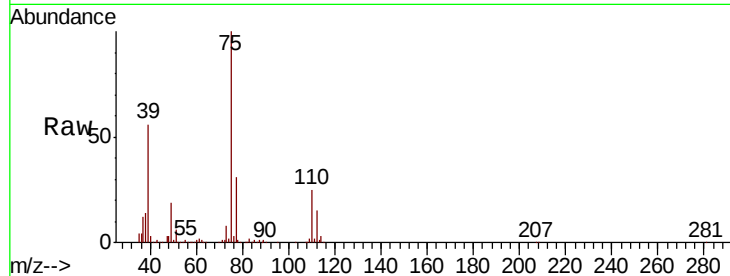


#39

cis-1,3-Dichloropropene
 Concen: 25.421 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VY003851.D
 Acq: 29 Dec 2020 14:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025201

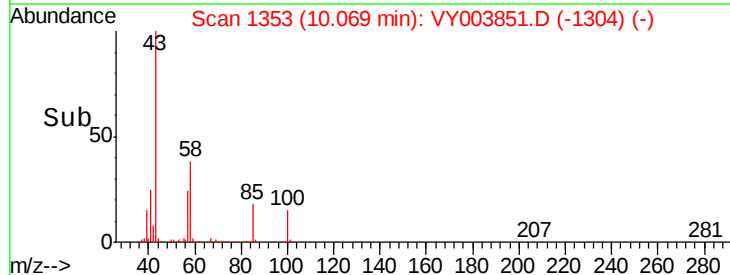
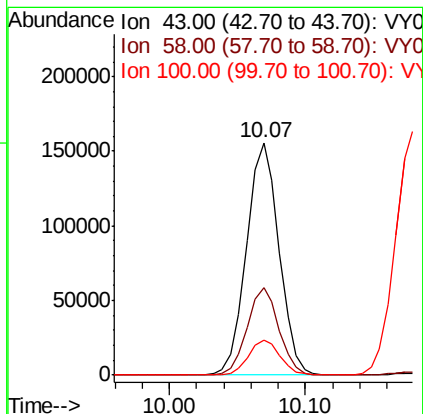
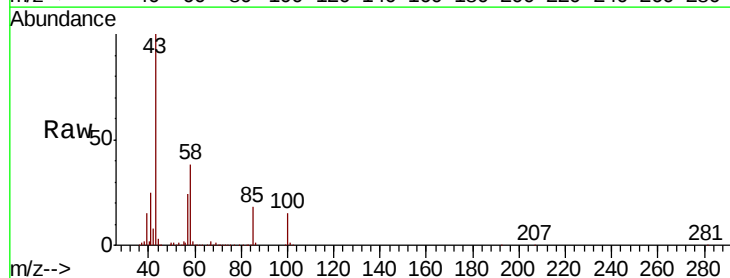
Tot Ion: 75 Resp: 208951
 Ion Ratio Lower Upper
 75 100
 77 30.7 23.0 42.6

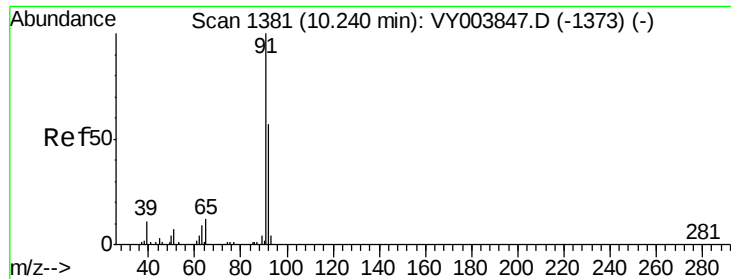


#40

4-Methyl-2-pentanone
 Concen: 50.772 ug/L
 RT: 10.07 min Scan# 1353
 Delta R.T. -0.00 min
 Lab File: VY003851.D
 Acq: 29 Dec 2020 14:00

Tgt Ion: 43 Resp: 260798
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.6 44.4
 100 14.7 11.8 17.6





#42

Toluene

Concen: 25.989 ug/L

RT: 10.24 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VY003851.D

Acq: 29 Dec 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

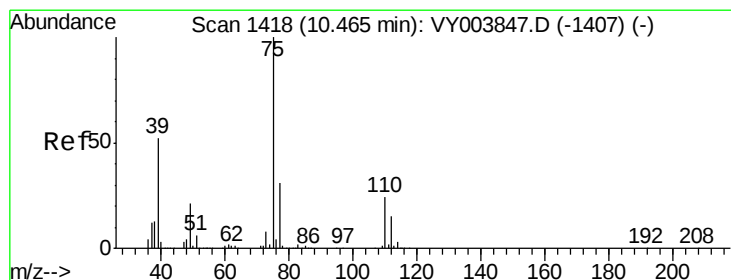
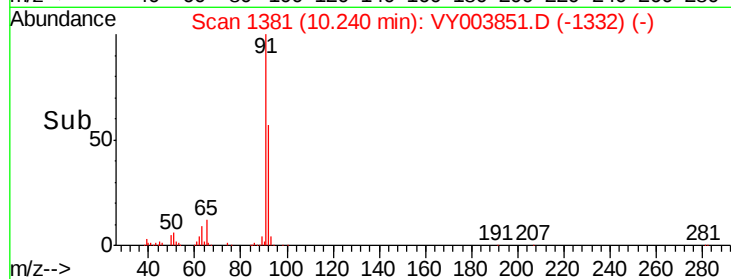
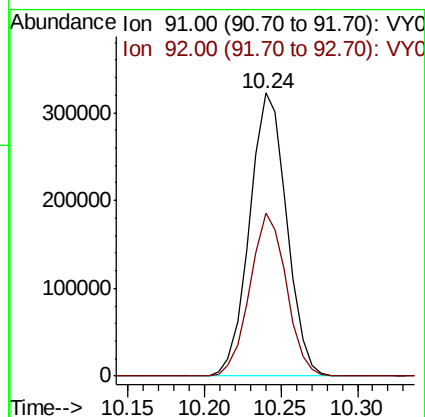
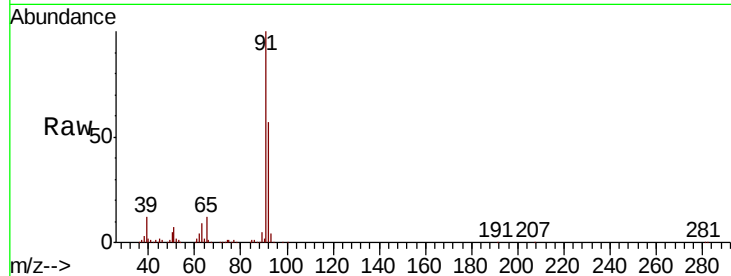
VSTD025201

Tot Ion: 91 Resp: 543328

Ion Ratio Lower Upper

91 100

92 57.5 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 25.706 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003851.D

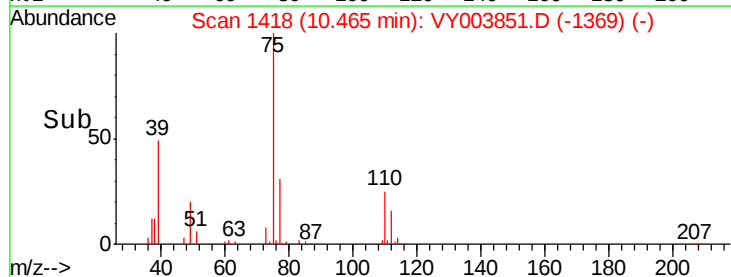
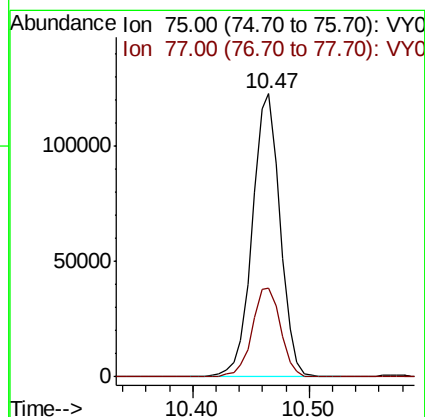
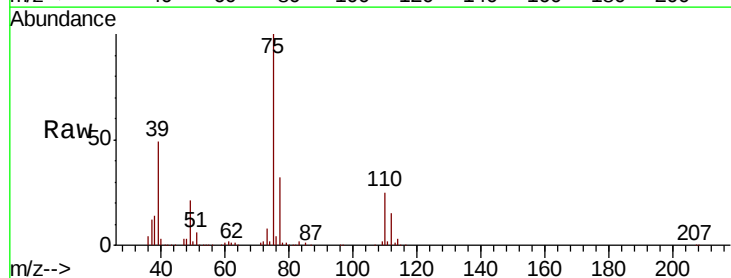
Acq: 29 Dec 2020 14:00

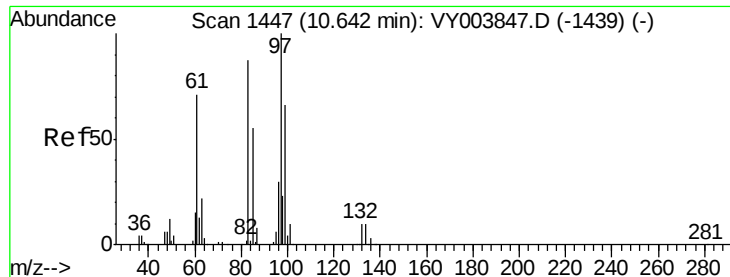
Tgt Ion: 75 Resp: 203979

Ion Ratio Lower Upper

75 100

77 31.5 21.9 40.7

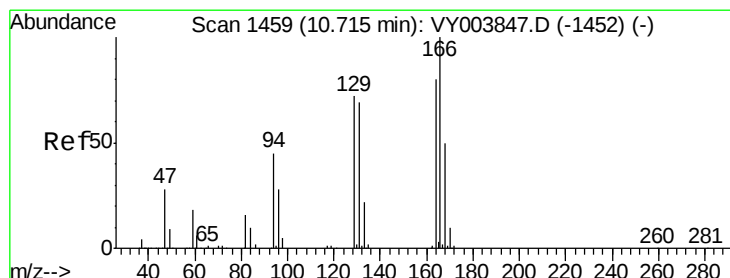
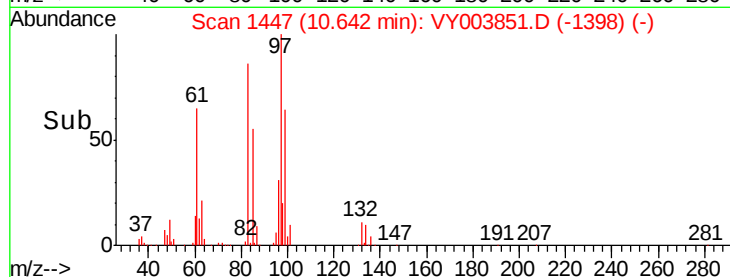
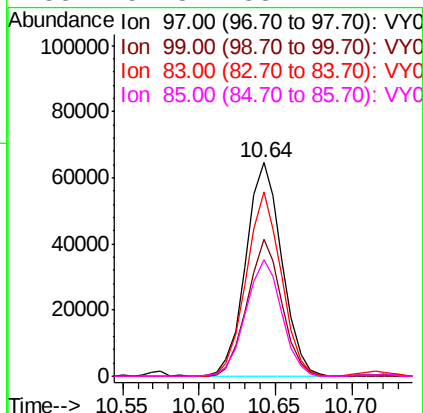
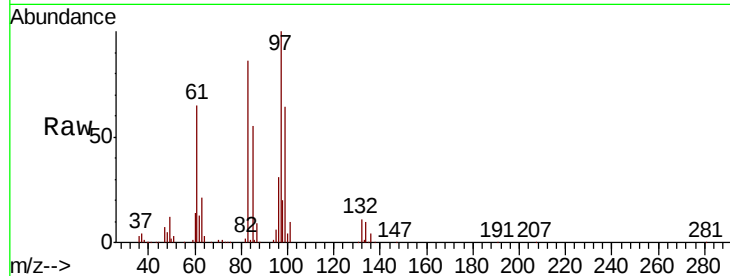




#45
 1,1,2-Trichloroethane
 Concen: 25.601 ug/L
 RT: 10.64 min Scan# 1447
 Delta R.T. -0.00 min
 Lab File: VY003851.D
 Acq: 29 Dec 2020 14:00

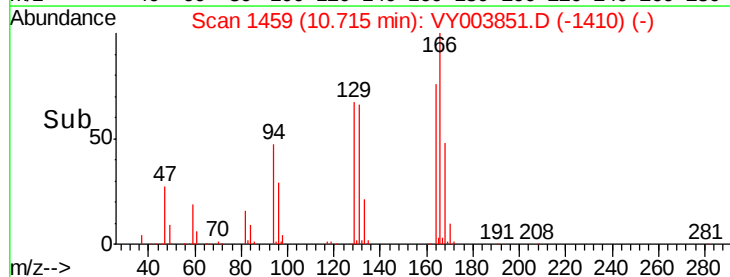
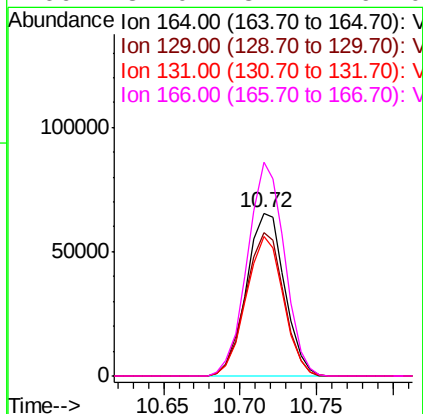
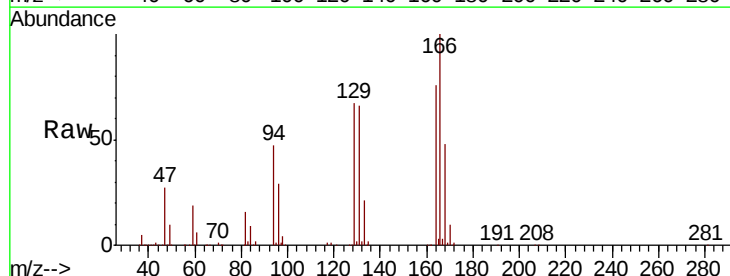
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025201

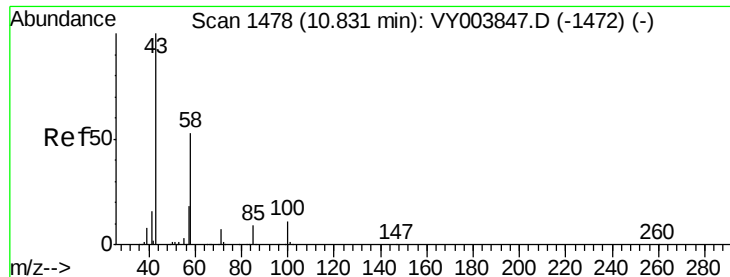
Tot Ion:	97	Resp:	105798
Ion	Ratio	Lower	Upper
97	100		
99	64.1	46.0	85.4
83	86.4	60.8	112.8
85	54.8	38.4	71.2



#46
 Tetrachloroethene
 Concen: 25.182 ug/L
 RT: 10.72 min Scan# 1459
 Delta R.T. -0.00 min
 Lab File: VY003851.D
 Acq: 29 Dec 2020 14:00

Tgt Ion:	164	Resp:	113773
Ion	Ratio	Lower	Upper
164	100		
129	87.7	62.5	116.1
131	85.9	60.7	112.7
166	131.0	87.2	162.0

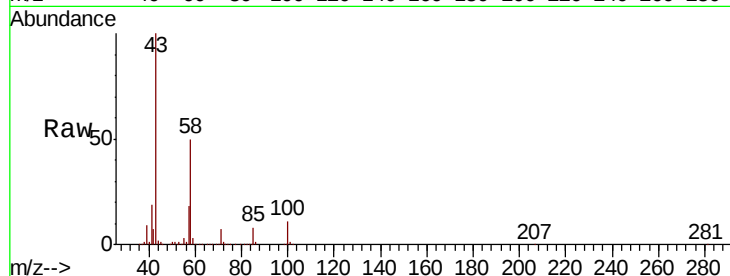




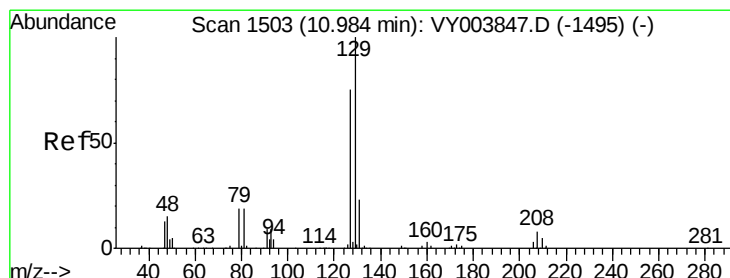
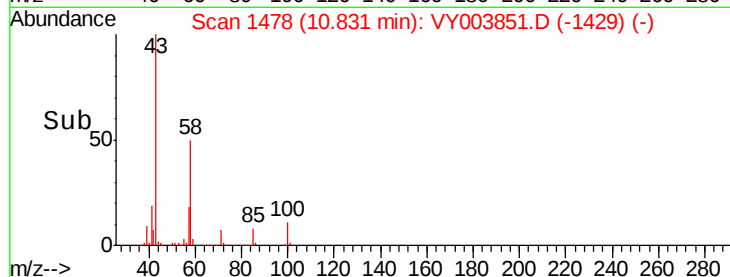
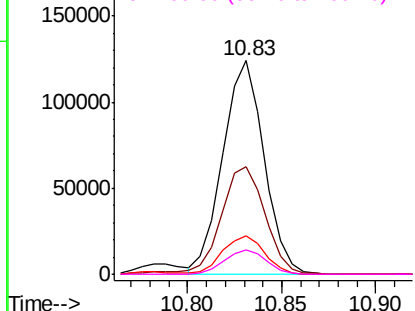
#48
2-Hexanone
Concen: 50.433 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VY003851.D
Acq: 29 Dec 2020 14:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025201

Tot Ion: 43 Resp: 188753
Ion Ratio Lower Upper
43 100
58 52.6 40.6 60.8
57 18.8 14.5 21.7
100 11.4 9.1 13.7

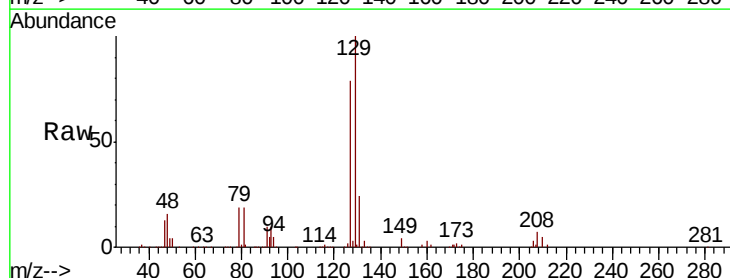


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0
Ion 57.00 (56.70 to 57.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

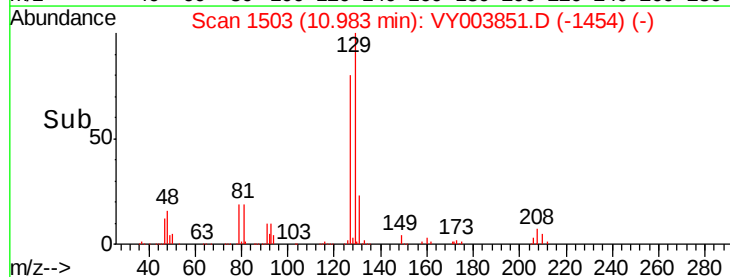
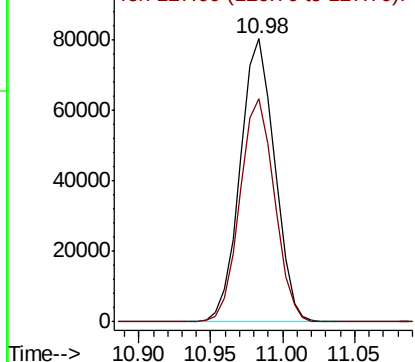


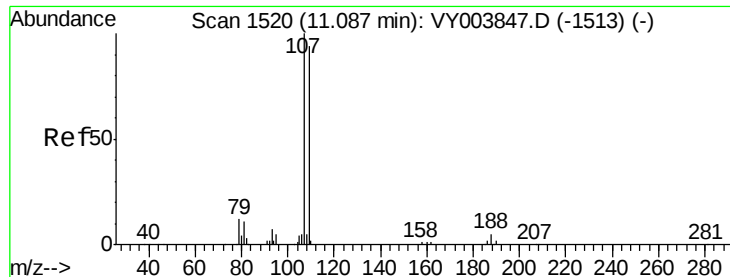
#49
Dibromochloromethane
Concen: 25.508 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. -0.00 min
Lab File: VY003851.D
Acq: 29 Dec 2020 14:00

Tgt Ion: 129 Resp: 133460
Ion Ratio Lower Upper
129 100
127 78.9 52.7 97.9



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

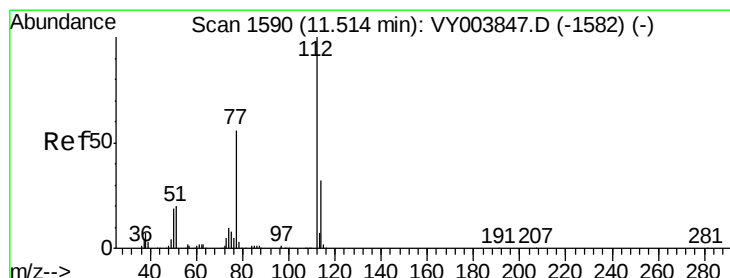
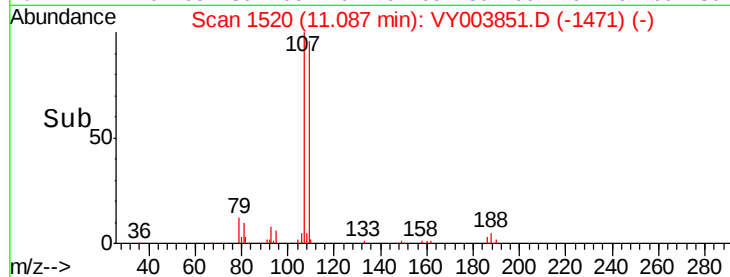
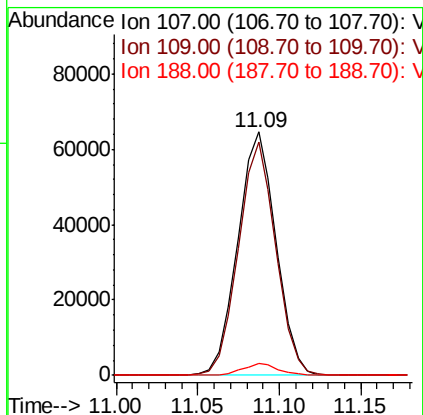
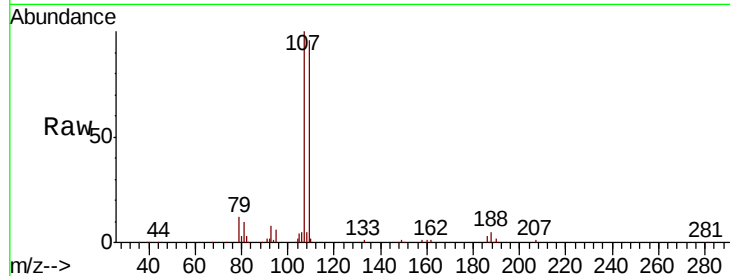




#50
1,2-Dibromoethane
Concen: 25.800 ug/L
RT: 11.09 min Scan# 1520
Delta R.T. -0.00 min
Lab File: VY003851.D
Acq: 29 Dec 2020 14:00

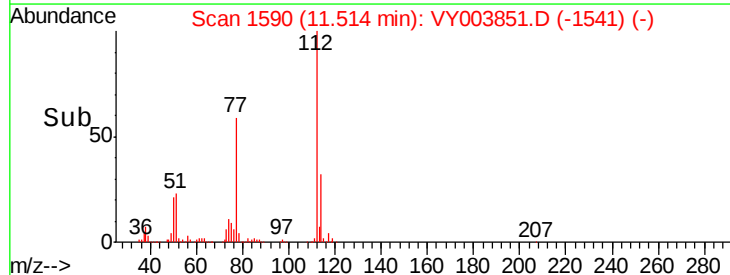
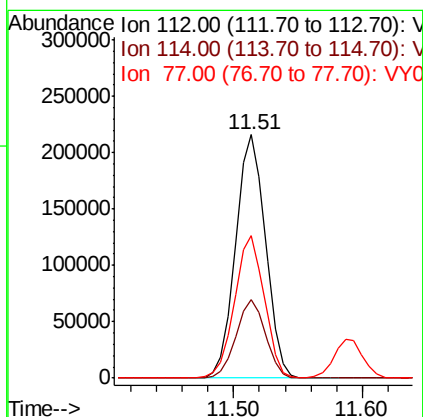
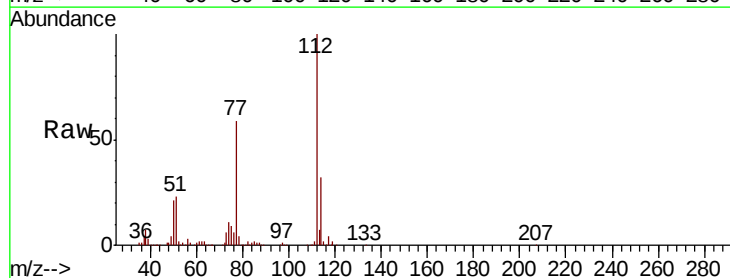
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025201

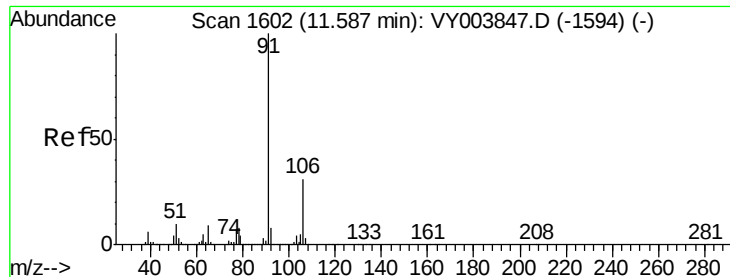
Tot Ion:107 Resp: 105284
Ion Ratio Lower Upper
107 100
109 96.1 65.5 121.7
188 5.0 3.6 5.4



#51
Chlorobenzene
Concen: 25.682 ug/L
RT: 11.51 min Scan# 1590
Delta R.T. -0.00 min
Lab File: VY003851.D
Acq: 29 Dec 2020 14:00

Tgt Ion:112 Resp: 347225
Ion Ratio Lower Upper
112 100
114 32.4 22.5 41.9
77 58.7 45.2 67.8

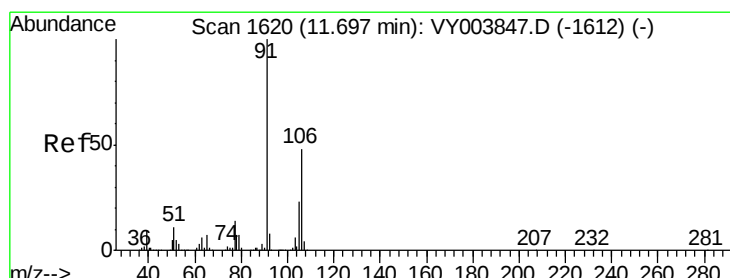
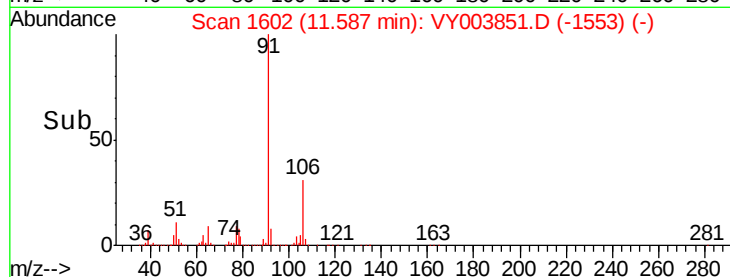
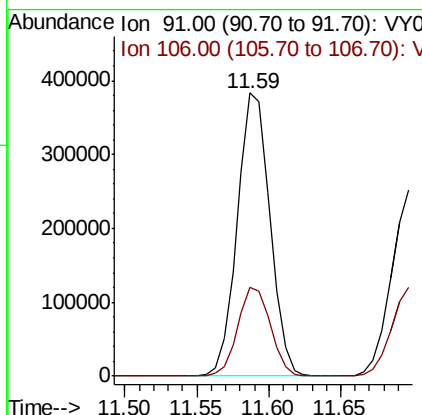
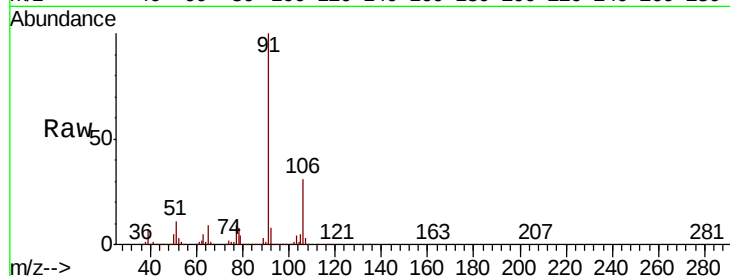




#52
Ethylbenzene
Concen: 25.761 ug/L
RT: 11.59 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY003851.D
Acq: 29 Dec 2020 14:00

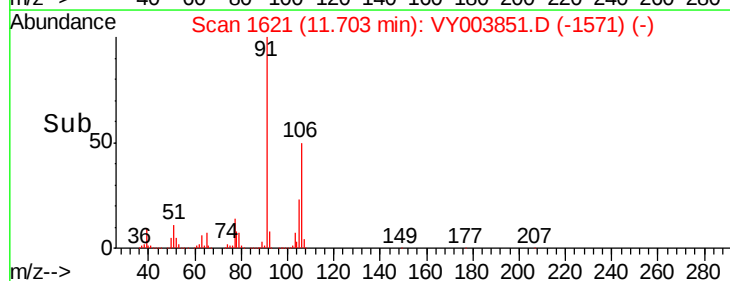
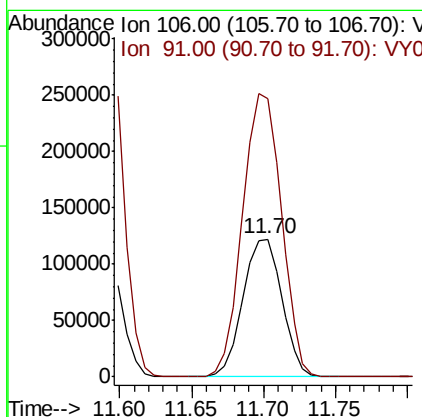
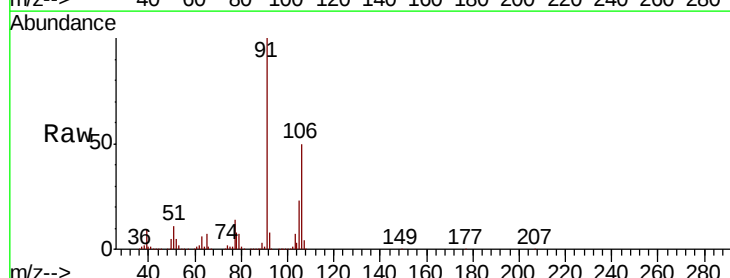
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025201

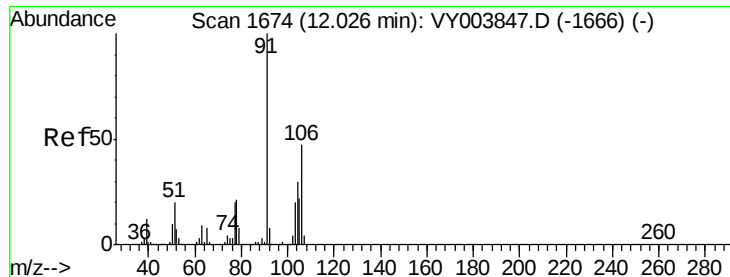
Tot Ion: 91 Resp: 603293
Ion Ratio Lower Upper
91 100
106 31.5 21.6 40.0



#53
m,p-Xylene
Concen: 25.812 ug/L
RT: 11.70 min Scan# 1621
Delta R.T. 0.01 min
Lab File: VY003851.D
Acq: 29 Dec 2020 14:00

Tgt Ion: 106 Resp: 229234
Ion Ratio Lower Upper
106 100
91 201.9 146.3 271.7





#54

o-Xylene

Concen: 25.848 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VY003851.D

Acq: 29 Dec 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

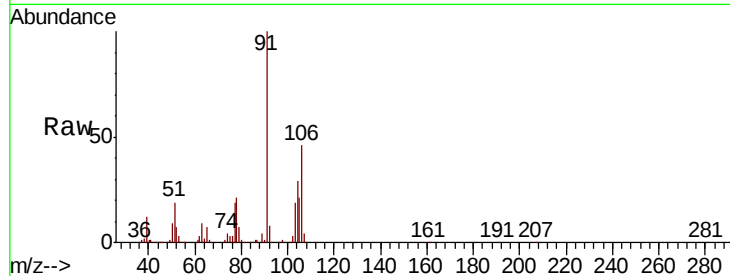
VSTD025201

Tot Ion:106 Resp: 223524

Ion Ratio Lower Upper

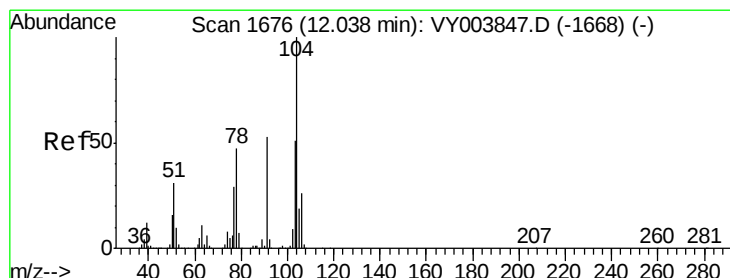
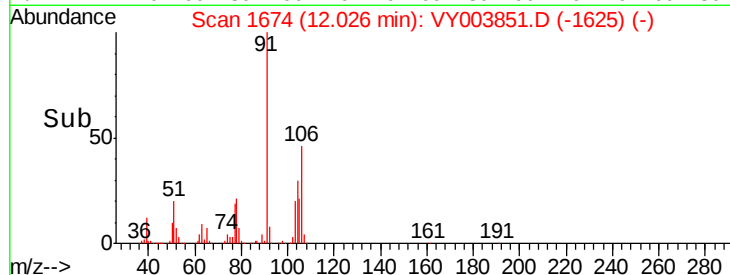
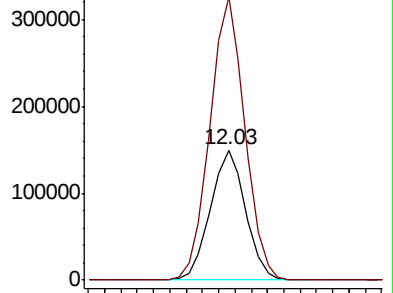
106 100

91 217.8 147.7 274.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

Styrene

Concen: 26.215 ug/L

RT: 12.04 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VY003851.D

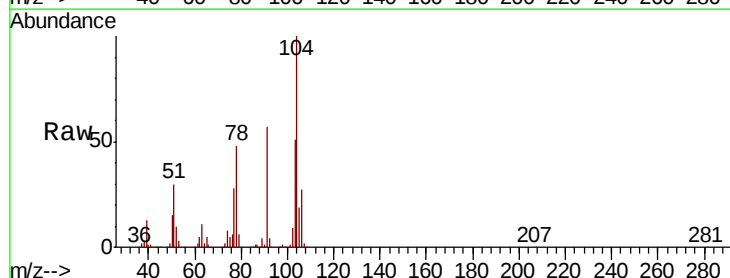
Acq: 29 Dec 2020 14:00

Tgt Ion:104 Resp: 392026

Ion Ratio Lower Upper

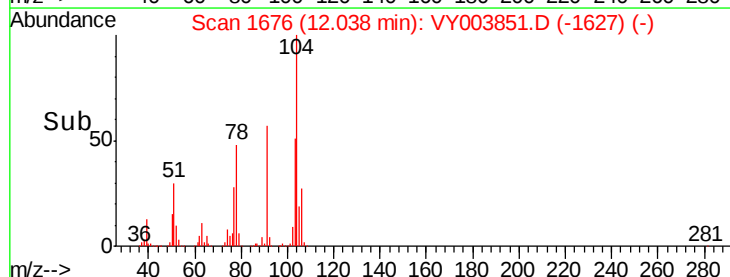
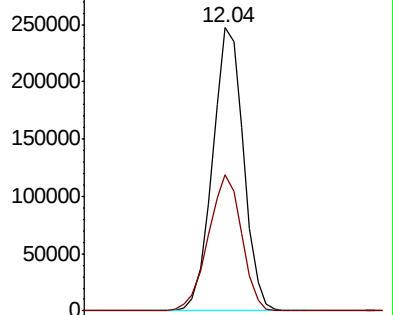
104 100

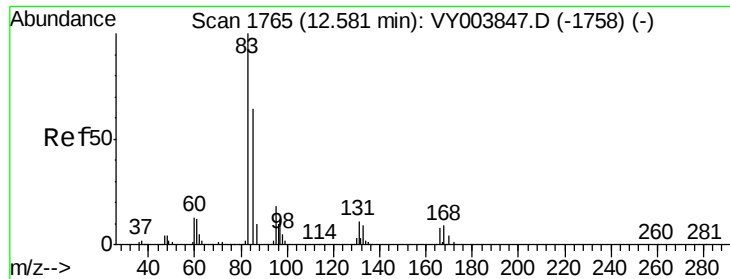
78 48.3 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0

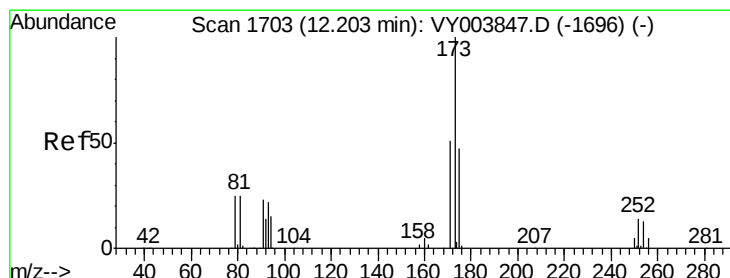
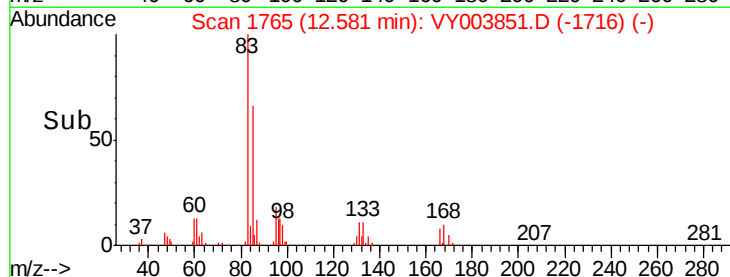
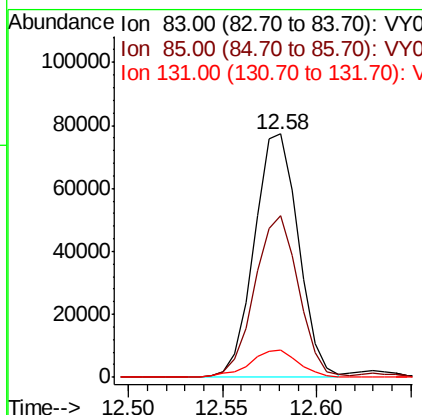
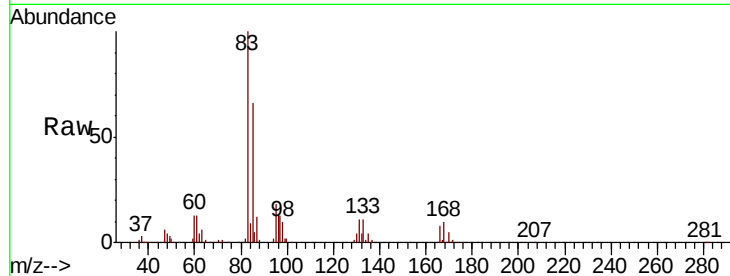




#57
 1,1,2,2-Tetrachloroethane
 Concen: 25.678 ug/L
 RT: 12.58 min Scan# 1765
 Delta R.T. -0.00 min
 Lab File: VY003851.D
 Acq: 29 Dec 2020 14:00

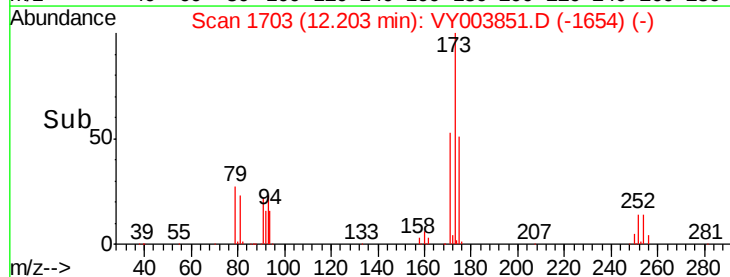
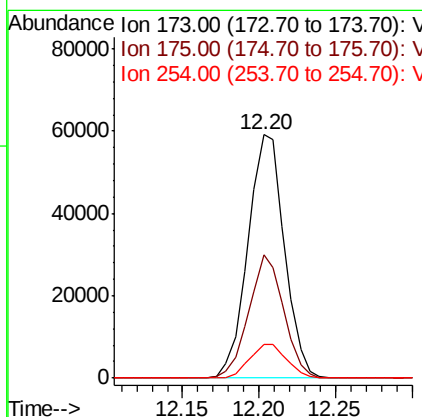
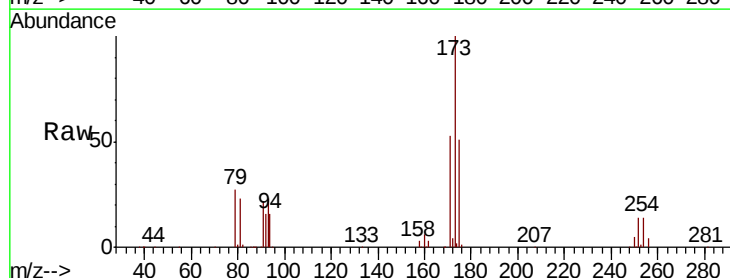
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025201

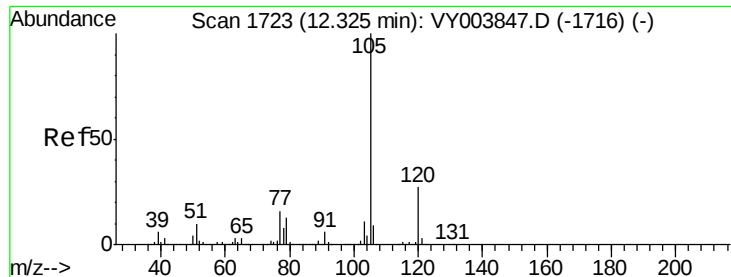
Tot Ion	83.00	Resp	125584
Ion Ratio	Lower	Upper	
83	100		
85	66.2	44.9	83.3
131	11.1	9.0	13.6



#59
 Bromoform
 Concen: 25.425 ug/L
 RT: 12.20 min Scan# 1703
 Delta R.T. -0.00 min
 Lab File: VY003851.D
 Acq: 29 Dec 2020 14:00

Tgt Ion	173.00	Resp	97961
Ion Ratio	Lower	Upper	
173	100		
175	48.3	38.9	58.3
254	14.2	11.5	17.3





#60

Isopropylbenzene

Concen: 25.632 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. -0.00 min

Lab File: VY003851.D

Acq: 29 Dec 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025201

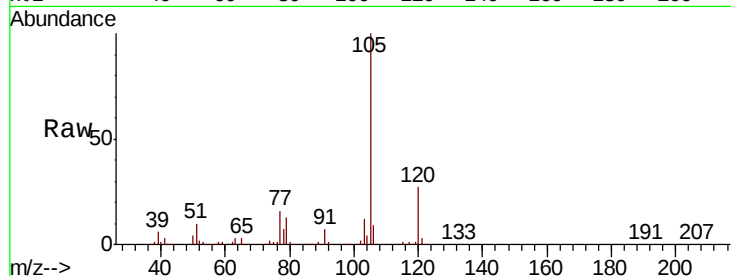
Tot Ion:105 Resp: 604960

Ion Ratio Lower Upper

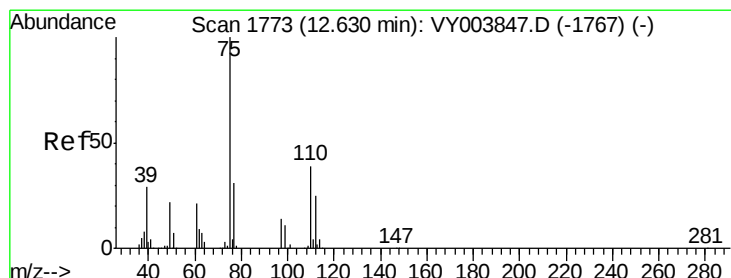
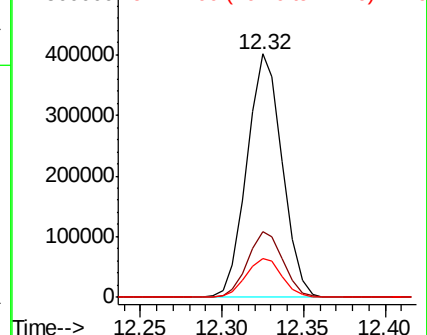
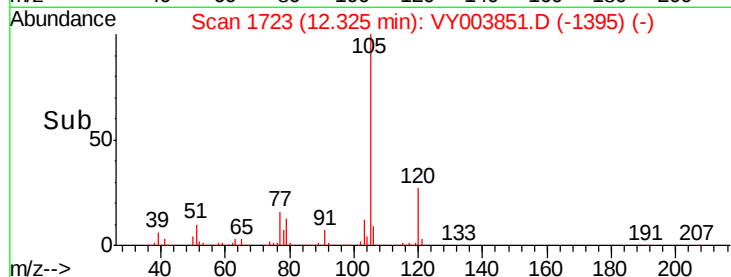
105 100

120 27.1 21.7 32.5

77 16.1 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): VY003851.D (-1395) (-)



#61

1,2,3-Trichloropropane

Concen: 25.127 ug/L

RT: 12.63 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VY003851.D

Acq: 29 Dec 2020 14:00

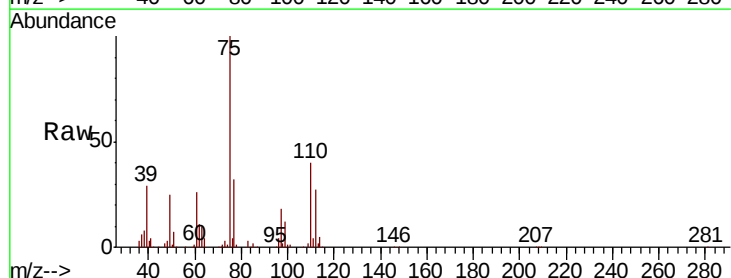
Tgt Ion: 75 Resp: 110167

Ion Ratio Lower Upper

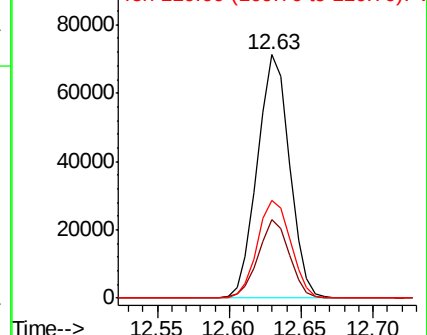
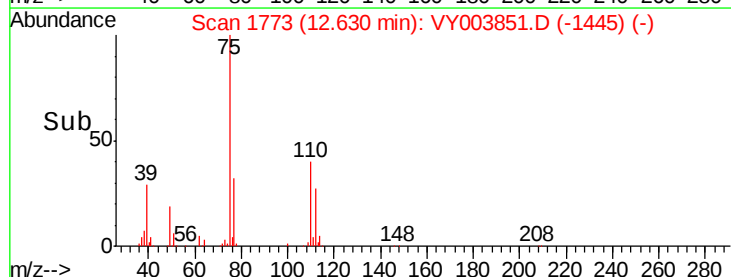
75 100

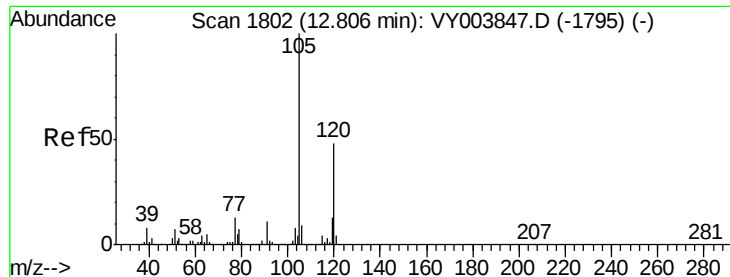
77 31.2 26.2 39.4

110 41.3 32.4 48.6



Abundance Ion 75.00 (74.70 to 75.70): VY003851.D (-1445) (-)





#62

1,3,5-Trimethylbenzene

Concen: 26.173 ug/L

RT: 12.81 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VY003851.D

Acq: 29 Dec 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

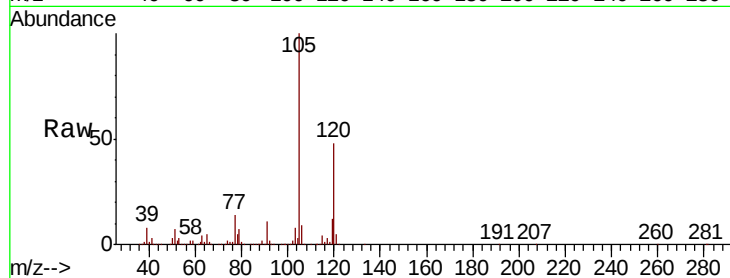
VSTD025201

Tot Ion:105 Resp: 513085

Ion Ratio Lower Upper

105 100

120 48.4 39.0 58.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.81

400000

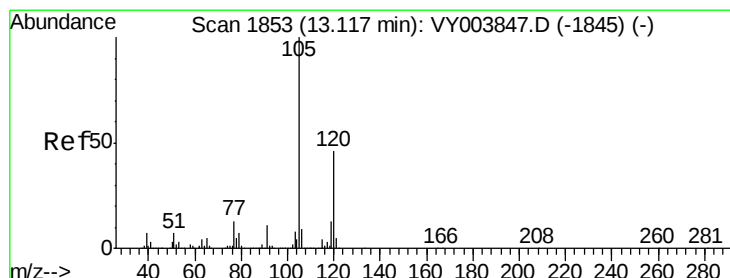
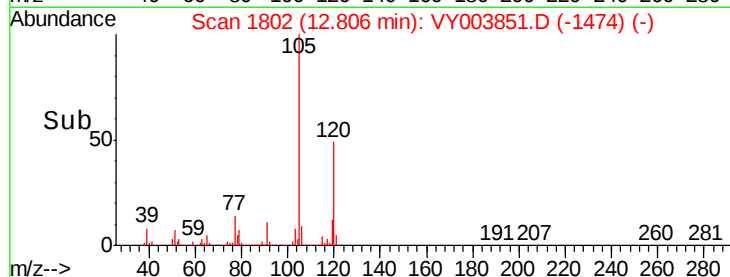
300000

200000

100000

0

Time-->



#63

1,2,4-Trimethylbenzene

Concen: 26.107 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VY003851.D

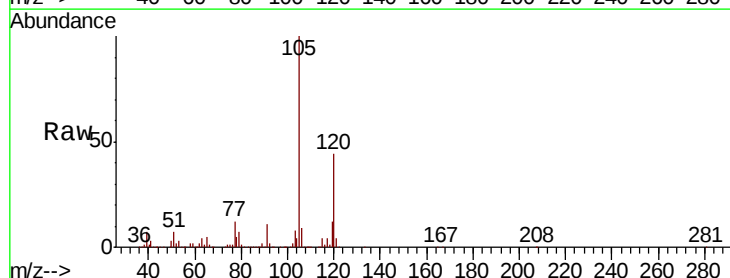
Acq: 29 Dec 2020 14:00

Tgt Ion:105 Resp: 518483

Ion Ratio Lower Upper

105 100

120 45.2 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.12

400000

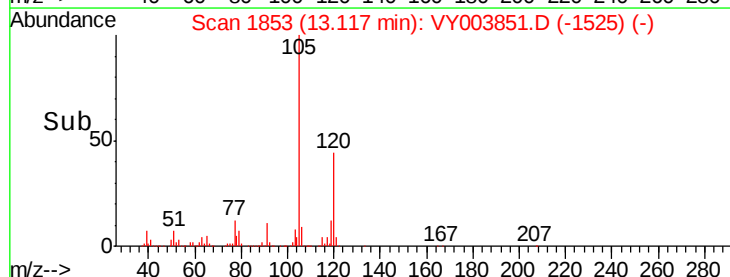
300000

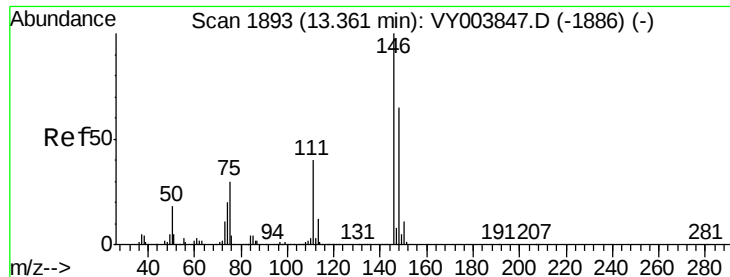
200000

100000

0

Time-->





#64

1,3-Dichlorobenzene

Concen: 25.451 ug/L

RT: 13.36 min Scan# 1893

Delta R.T. -0.00 min

Lab File: VY003851.D

Acq: 29 Dec 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025201

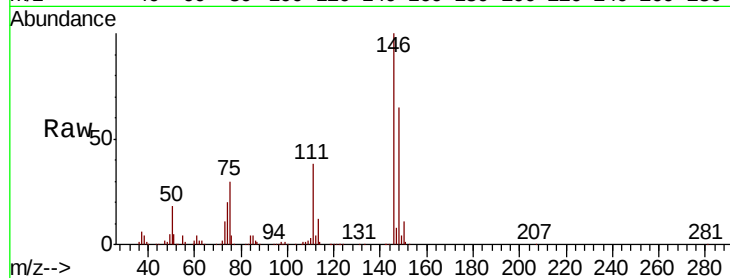
Tot Ion:146 Resp: 290990

Ion Ratio Lower Upper

146 100

111 38.4 27.7 51.5

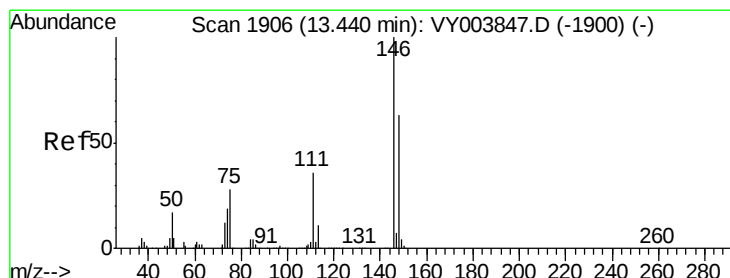
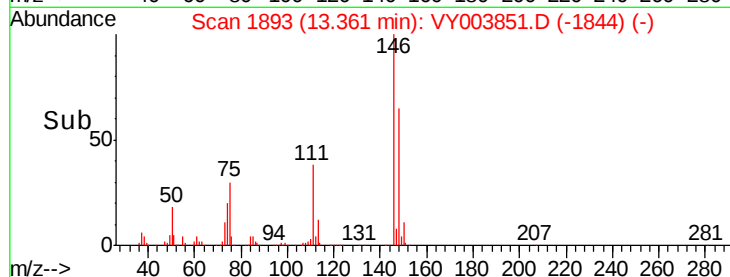
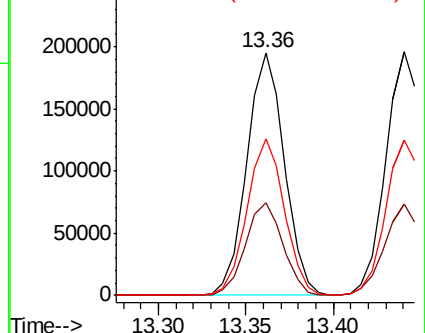
148 64.6 45.4 84.4



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

1,4-Dichlorobenzene

Concen: 25.343 ug/L

RT: 13.44 min Scan# 1906

Delta R.T. -0.00 min

Lab File: VY003851.D

Acq: 29 Dec 2020 14:00

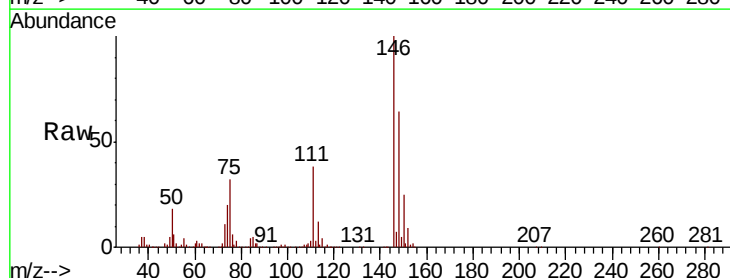
Tgt Ion:146 Resp: 293405

Ion Ratio Lower Upper

146 100

111 37.6 25.7 47.7

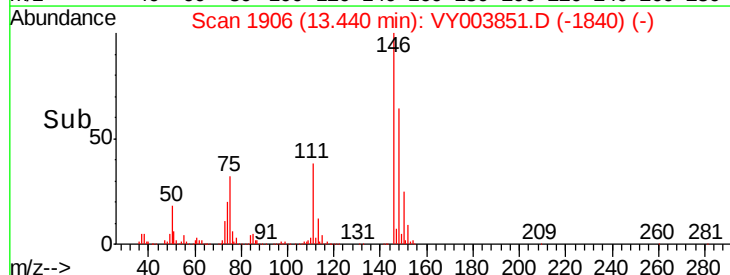
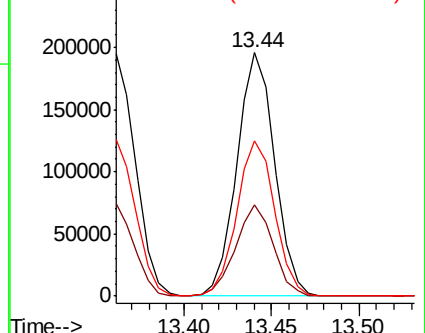
148 63.8 44.4 82.4

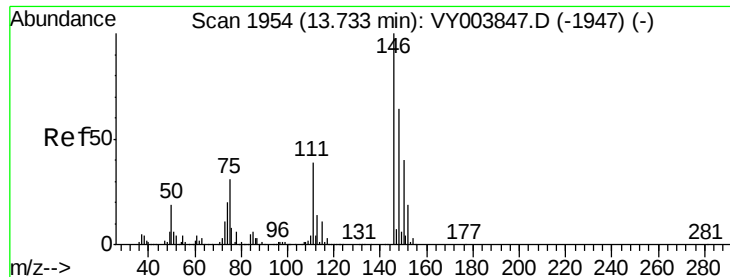


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

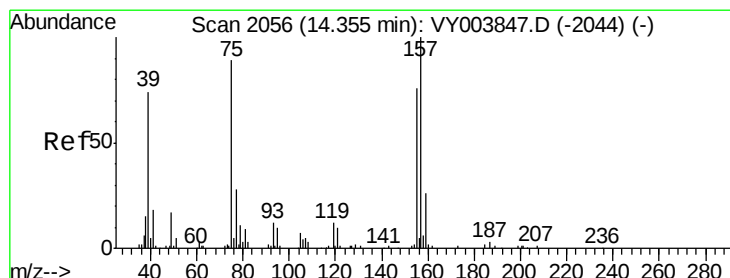
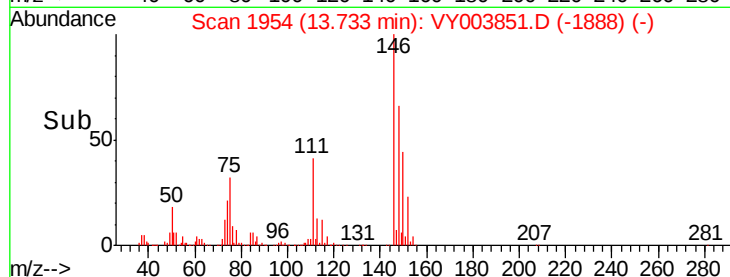
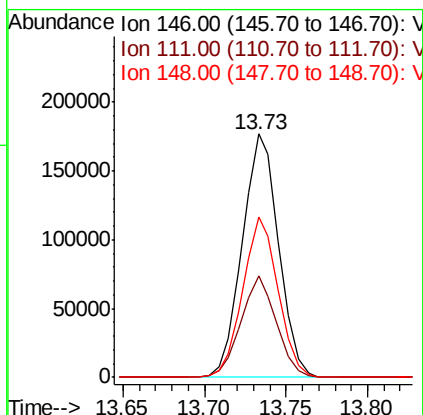
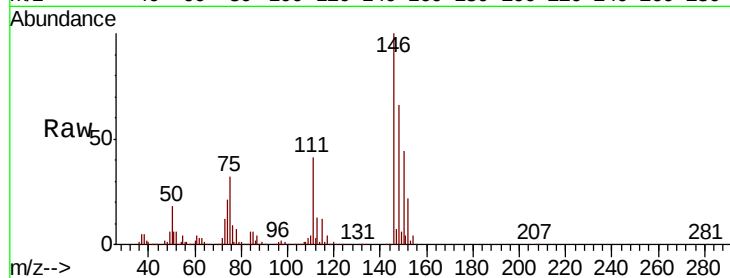




#67
 1,2-Dichlorobenzene
 Concen: 25.570 ug/L
 RT: 13.73 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: VY003851.D
 Acq: 29 Dec 2020 14:00

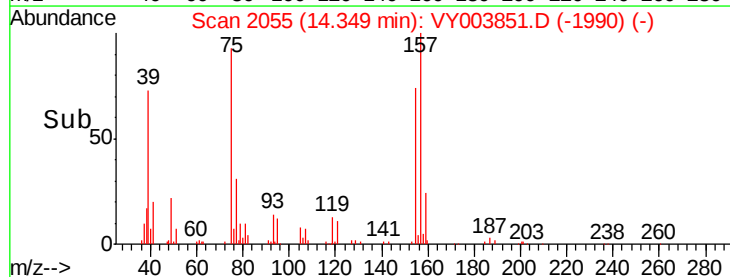
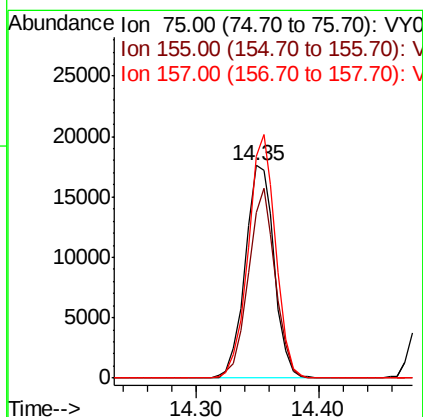
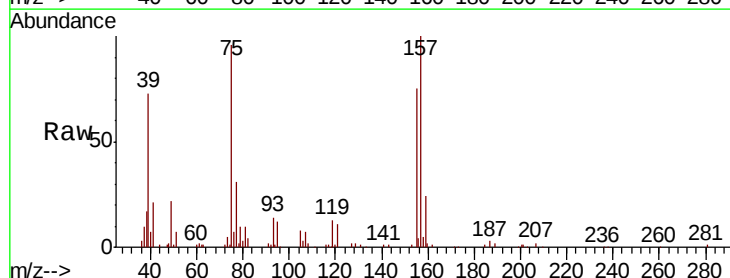
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025201

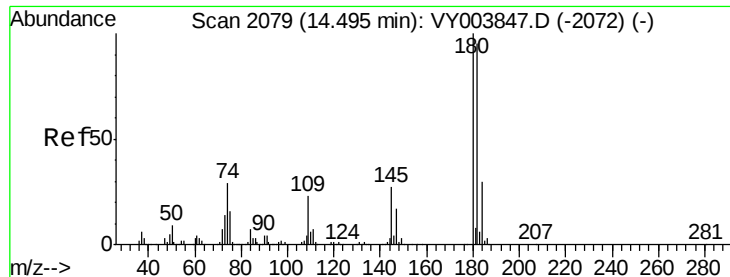
Tot Ion:146 Resp: 273761
 Ion Ratio Lower Upper
 146 100
 111 41.5 31.3 46.9
 148 66.0 51.0 76.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 26.393 ug/L
 RT: 14.35 min Scan# 2055
 Delta R.T. -0.01 min
 Lab File: VY003851.D
 Acq: 29 Dec 2020 14:00

Tgt Ion: 75 Resp: 28764
 Ion Ratio Lower Upper
 75 100
 155 77.9 68.2 102.4
 157 104.5 90.2 135.4

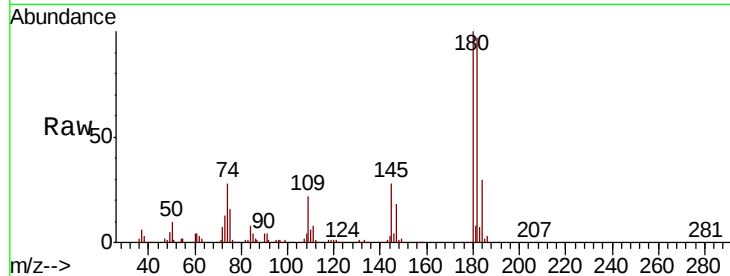




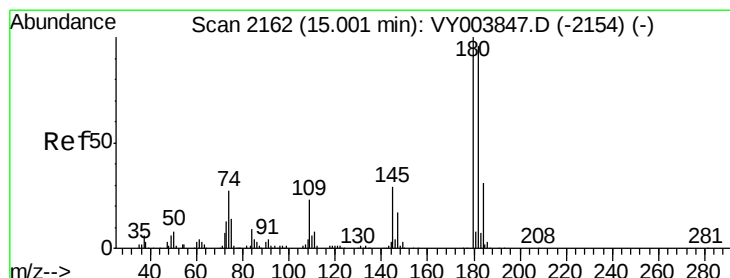
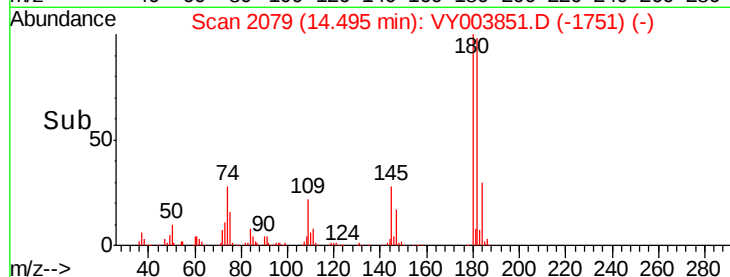
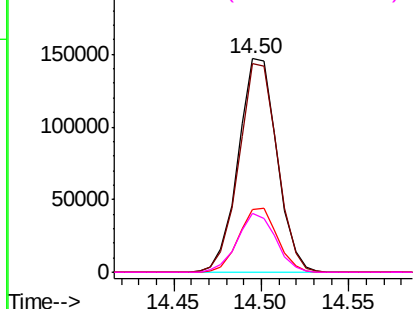
#69
 1,3,5-Trichlorobenzene
 Concen: 25.266 ug/L
 RT: 14.50 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VY003851.D
 Acq: 29 Dec 2020 14:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025201

Tot Ion:180	Resp:	225199
Ion Ratio	Lower	Upper
180	100	
182	96.9	75.6 113.4
184	29.7	24.9 37.3
145	27.3	21.8 32.6

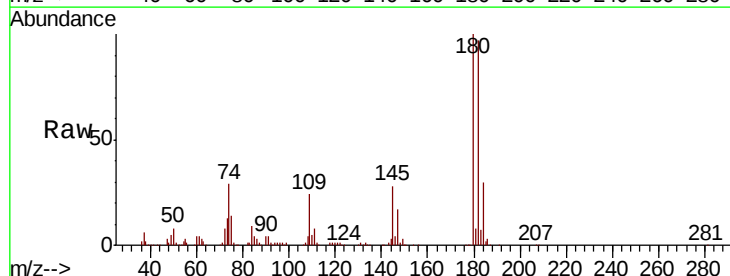


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

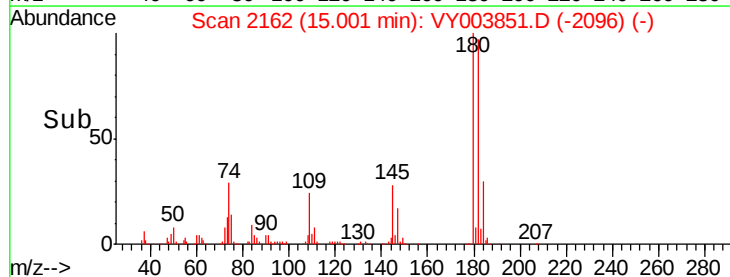
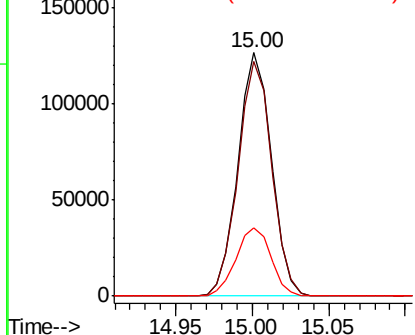


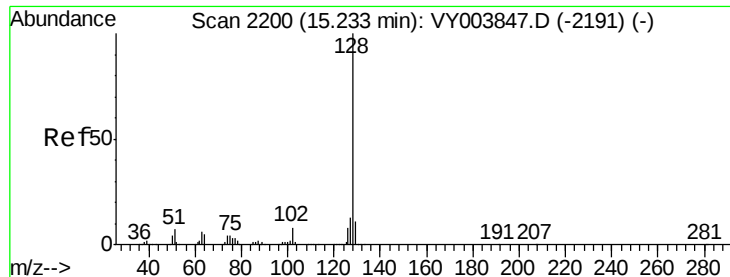
#70
 1,2,4-trichlorobenzene
 Concen: 25.507 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. -0.00 min
 Lab File: VY003851.D
 Acq: 29 Dec 2020 14:00

Tgt Ion:180	Resp:	192759
Ion Ratio	Lower	Upper
180	100	
182	96.9	76.1 114.1
145	29.2	22.6 33.8



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

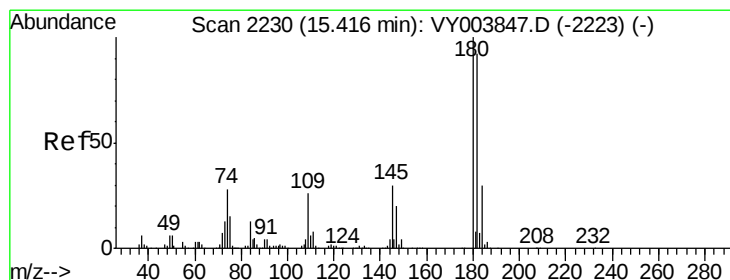
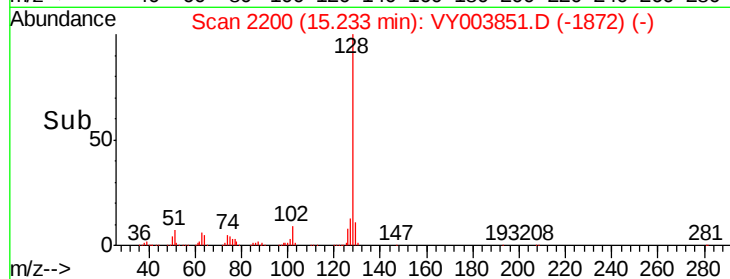
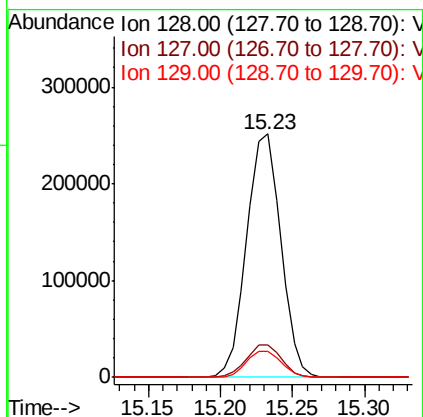
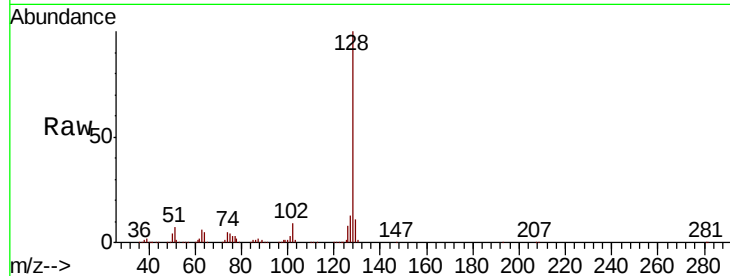




#71
Naphthalene
Concen: 26.250 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VY003851.D
Acq: 29 Dec 2020 14:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025201

Tot Ion:128 Resp: 414129
Ion Ratio Lower Upper
128 100
127 13.7 10.7 16.1
129 11.0 8.9 13.3



#72
1,2,3-Trichlorobenzene
Concen: 26.530 ug/L
RT: 15.42 min Scan# 2230
Delta R.T. -0.00 min
Lab File: VY003851.D
Acq: 29 Dec 2020 14:00

Tgt Ion:180 Resp: 177093
Ion Ratio Lower Upper
180 100
182 95.2 74.6 111.8
145 30.1 23.3 34.9

