

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122220\
 Data File : VY003830.D
 Acq On : 22 Dec 2020 09:59
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025414

Quant Time: Dec 23 00:20:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120720SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 08 12:35:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	277665	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	260384	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	137782	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	57527	19.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.56%
7) Chloroethane-d5	2.77	69	50990	21.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.92%
11) 1,1-Dichloroethene-d2	3.86	63	133851	22.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.08%
21) 2-Butanone-d5	6.90	46	65943	47.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.02%
24) Chloroform-d	7.48	84	149956	24.25	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	8.14	65	82470	24.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.44%
32) Benzene-d6	8.11	84	303427	23.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.12%
36) 1,2-Dichloropropane-d6	9.12	67	89765	22.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.60%
41) Toluene-d8	10.18	98	279891	24.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.52%
43) trans-1,3-Dichloropropene-	10.43	79	45644	24.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.16%
47) 2-Hexanone-d5	10.79	63	56179	50.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.34%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	96203	26.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.32%
66) 1,2-Dichlorobenzene-d4	13.72	152	110066	24.59	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	73426	25.267	ug/L 99
3) Chloromethane	2.12	50	84073	25.221	ug/L 99
5) Vinyl chloride	2.26	62	94276	28.048	ug/L 93
6) Bromomethane	2.66	94	59994	27.756	ug/L 87
8) Chloroethane	2.80	64	54916	26.133	ug/L 96
9) Trichlorofluoromethane	3.14	101	148416	28.176	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	93000	26.811	ug/L # 75
12) 1,1-Dichloroethene	3.88	96	88707	26.846	ug/L 93
13) Acetone	3.96	43	46366	48.215	ug/L # 50
14) Carbon disulfide	4.20	76	277598	25.965	ug/L 97
15) Methyl Acetate	4.48	43	58004	23.811	ug/L # 76
16) Methylene chloride	4.73	84	107698	22.185	ug/L 93
17) trans-1,2-Dichloroethene	5.23	96	97881	26.556	ug/L 89
18) Methyl tert-butyl Ether	5.23	73	250798	26.957	ug/L # 93
19) 1,1-Dichloroethane	6.03	63	157643	25.755	ug/L 94
20) cis-1,2-Dichloroethene	7.00	96	108766	27.542	ug/L 74
22) 2-Butanone	6.99	43	76679	45.108	ug/L 81

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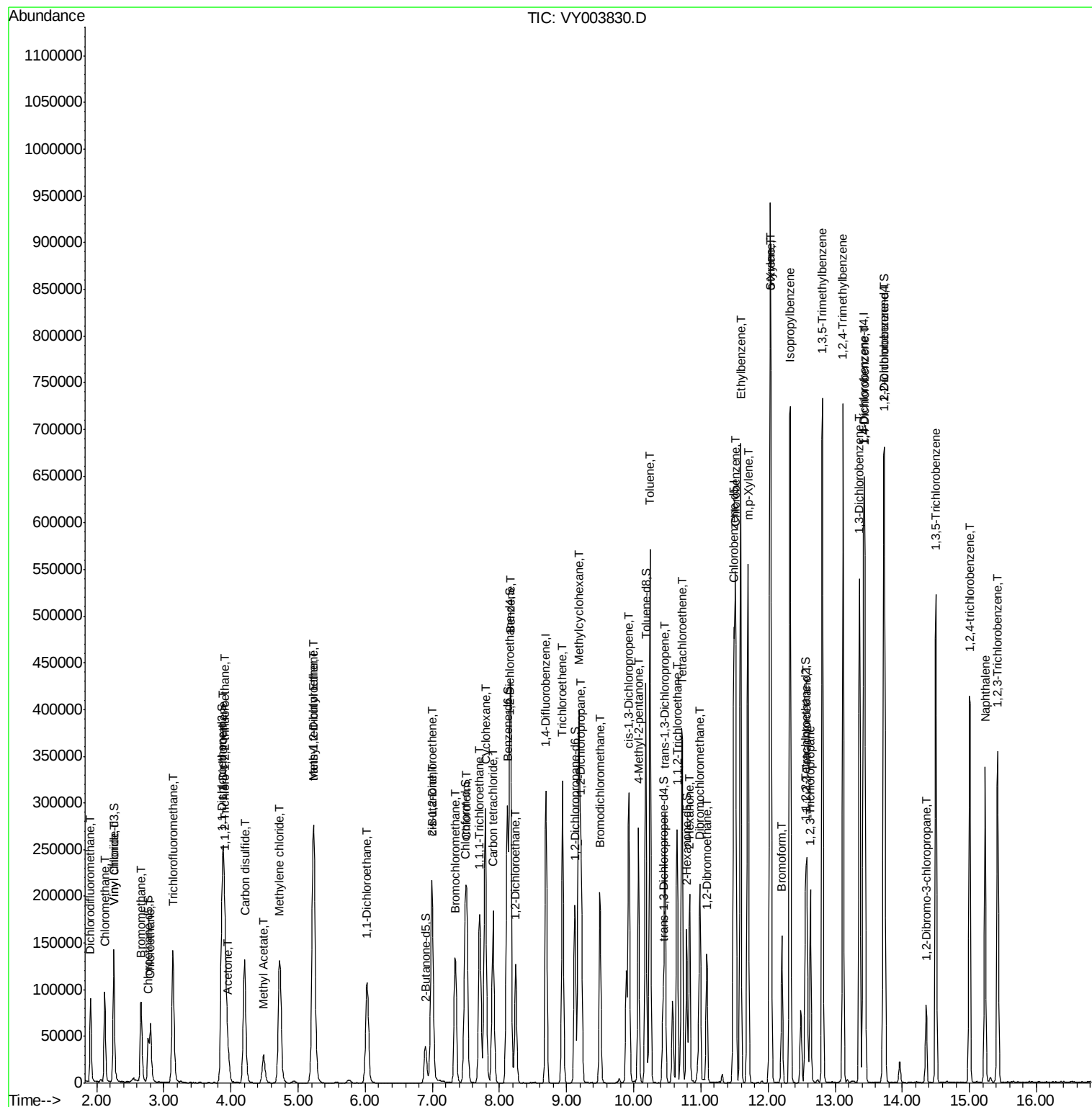
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	52959	26.950	ug/L	92
25) Chloroform	7.51	83	166660	26.679	ug/L	95
27) 1,2-Dichloroethane	8.24	62	114311	27.250	ug/L	98
29) Cyclohexane	7.79	56	145669	26.237	ug/L	94
30) 1,1,1-Trichloroethane	7.70	97	151919	28.037	ug/L	98
31) Carbon tetrachloride	7.90	117	138561	28.241	ug/L	94
33) Benzene	8.16	78	391652	26.596	ug/L	100
34) Trichloroethene	8.94	95	105441	26.608	ug/L	95
35) Methylcyclohexane	9.18	83	169996	27.235	ug/L	98
37) 1,2-Dichloropropane	9.22	63	95308	25.902	ug/L	98
38) Bromodichloromethane	9.50	83	128853	27.373	ug/L	90
39) cis-1,3-Dichloropropene	9.93	75	157766	27.184	ug/L	96
40) 4-Methyl-2-pentanone	10.07	43	164814	49.486	ug/L	97
42) Toluene	10.24	91	433772	27.654	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	147833	27.352	ug/L	95
45) 1,1,2-Trichloroethane	10.65	97	86404	26.899	ug/L	89
46) Tetrachloroethene	10.72	164	88223	27.709	ug/L	94
48) 2-Hexanone	10.83	43	118677	51.094	ug/L #	95
49) Dibromochloromethane	10.98	129	104964	28.355	ug/L	90
50) 1,2-Dibromoethane	11.09	107	84025	27.104	ug/L #	94
51) Chlorobenzene	11.51	112	282377	27.237	ug/L	96
52) Ethylbenzene	11.59	91	465726	27.523	ug/L	100
53) m,p-Xylene	11.70	106	185021	27.961	ug/L	97
54) o-Xylene	12.03	106	176035	27.838	ug/L	98
55) Styrene	12.04	104	304686	28.210	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.58	83	99940	28.677	ug/L	98
59) Bromoform	12.21	173	71793	27.961	ug/L #	94
60) Isopropylbenzene	12.33	105	467165	27.880	ug/L	99
61) 1,2,3-Trichloropropane	12.64	75	80072	26.052	ug/L	96
62) 1,3,5-Trimethylbenzene	12.81	105	377889	28.439	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	375622	28.460	ug/L	99
64) 1,3-Dichlorobenzene	13.37	146	226448	27.881	ug/L	96
65) 1,4-Dichlorobenzene	13.45	146	224552	27.302	ug/L	97
67) 1,2-Dichlorobenzene	13.74	146	206814	27.380	ug/L	96
68) 1,2-Dibromo-3-chloropropan	14.35	75	17561	26.009	ug/L #	87
69) 1,3,5-Trichlorobenzene	14.50	180	158113	27.467	ug/L	97
70) 1,2,4-trichlorobenzene	15.00	180	133735	27.330	ug/L	94
71) Naphthalene	15.23	128	277294	26.701	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	120081	26.759	ug/L	97

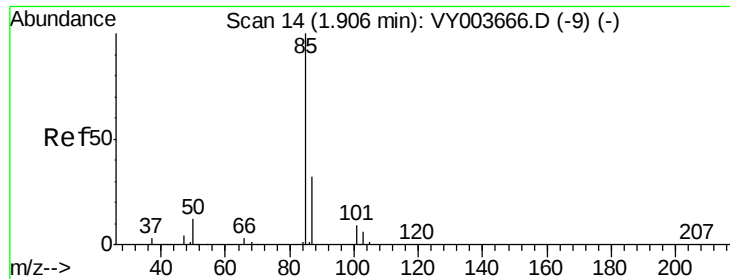
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.267 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.00 min

Lab File: VY003830.D

Acq: 22 Dec 2020 09:59

Instrument :

MSVOA_Y

ClientSampled :

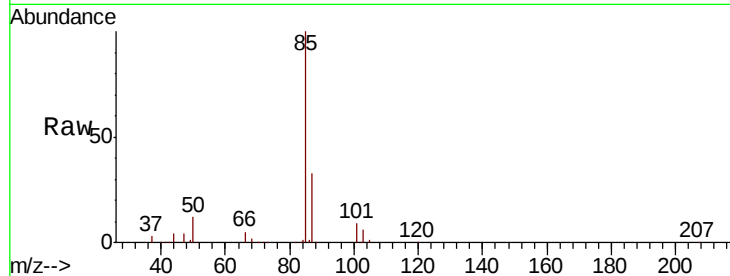
VSTD025414

Tot Ion: 85 Resp: 73426

Ion Ratio Lower Upper

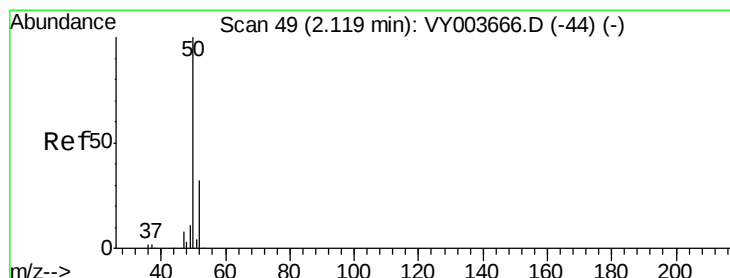
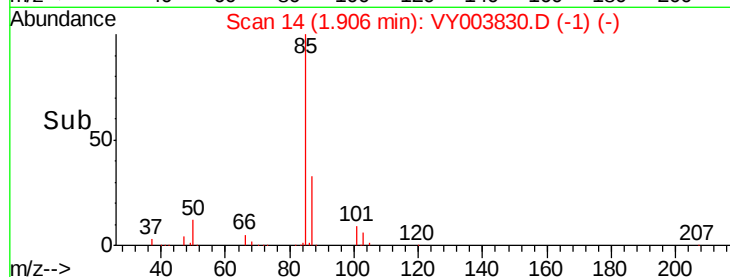
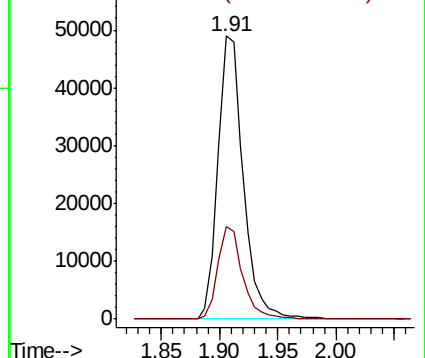
85 100

87 31.7 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 25.221 ug/L

RT: 2.12 min Scan# 49

Delta R.T. -0.00 min

Lab File: VY003830.D

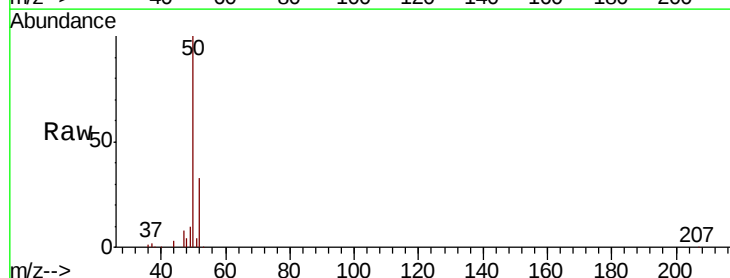
Acq: 22 Dec 2020 09:59

Tgt Ion: 50 Resp: 84073

Ion Ratio Lower Upper

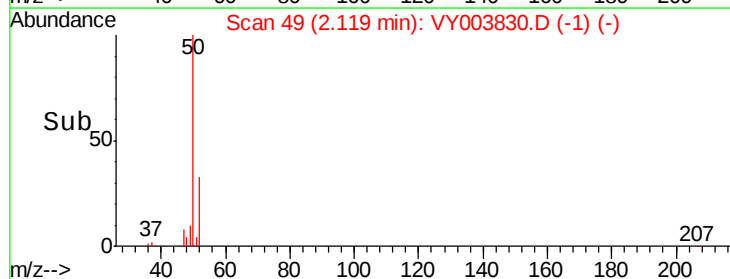
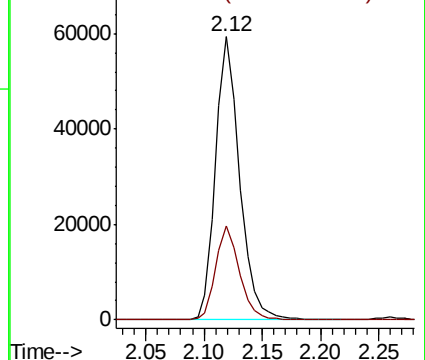
50 100

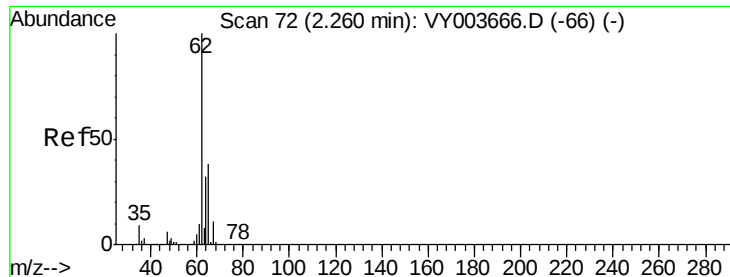
52 33.2 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 28.048 ug/L

RT: 2.26 min Scan# 72

Delta R.T. -0.00 min

Lab File: VY003830.D

Acq: 22 Dec 2020 09:59

Instrument :

MSVOA_Y

ClientSampleId :

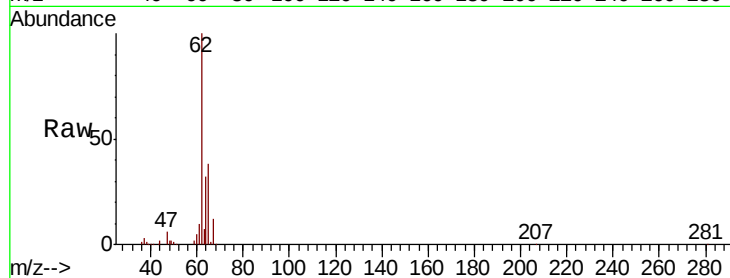
VSTD025414

Tot Ion: 62 Resp: 94276

Ion Ratio Lower Upper

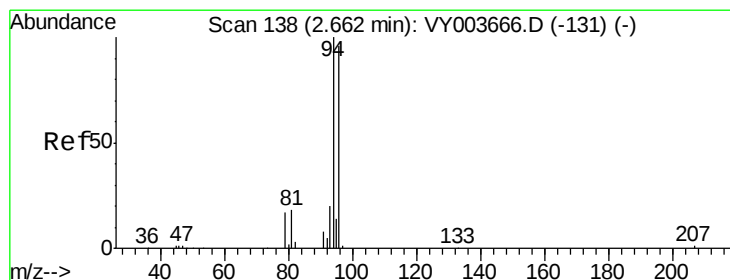
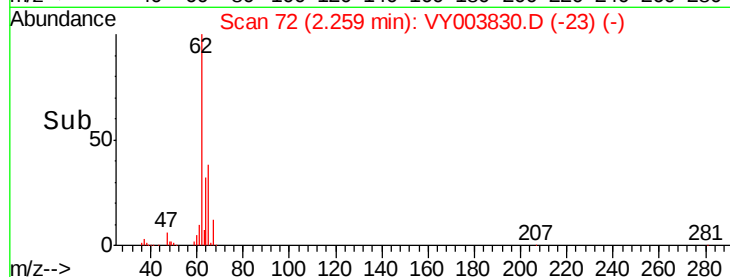
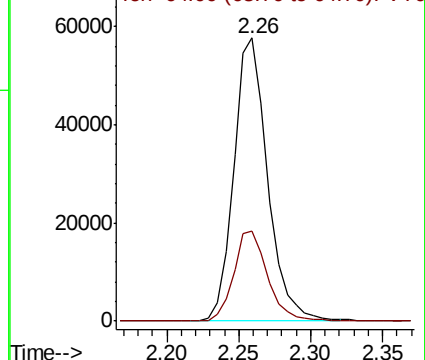
62 100

64 31.8 19.6 36.4



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 27.756 ug/L

RT: 2.66 min Scan# 138

Delta R.T. -0.00 min

Lab File: VY003830.D

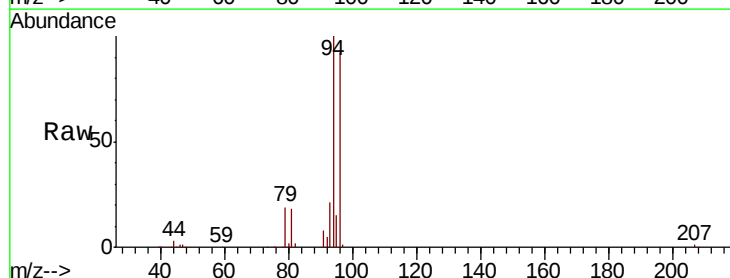
Acq: 22 Dec 2020 09:59

Tgt Ion: 94 Resp: 59994

Ion Ratio Lower Upper

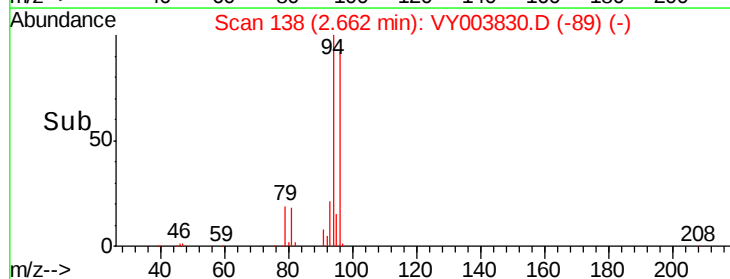
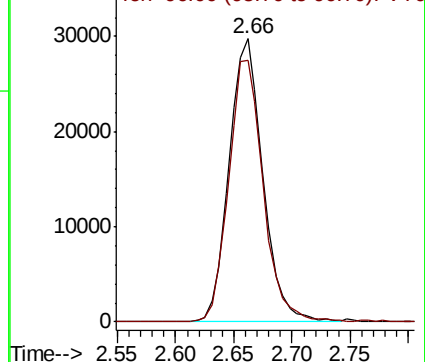
94 100

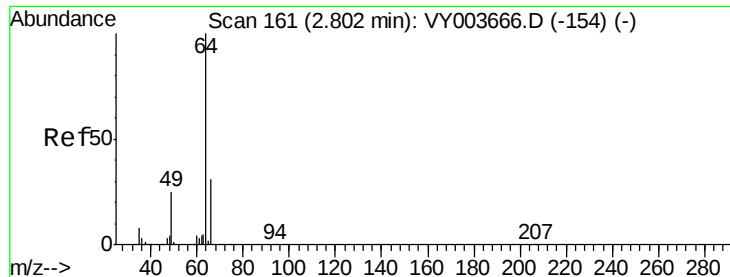
96 92.3 56.6 105.2



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

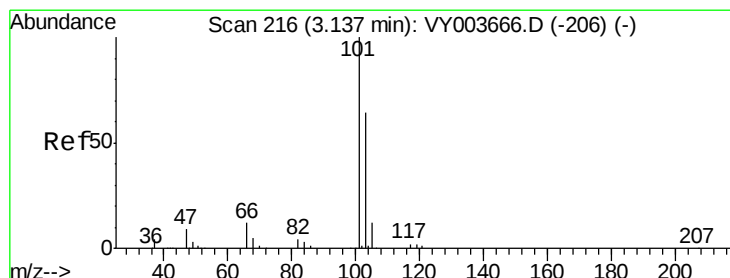
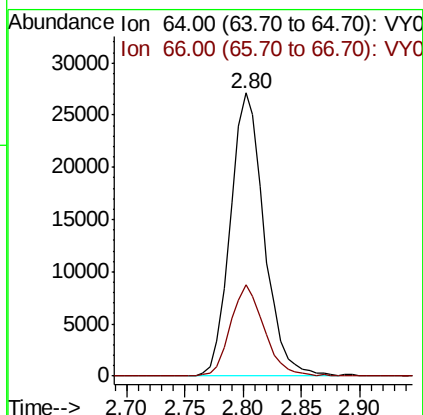
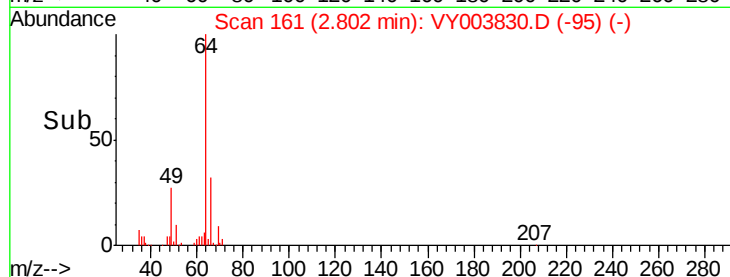
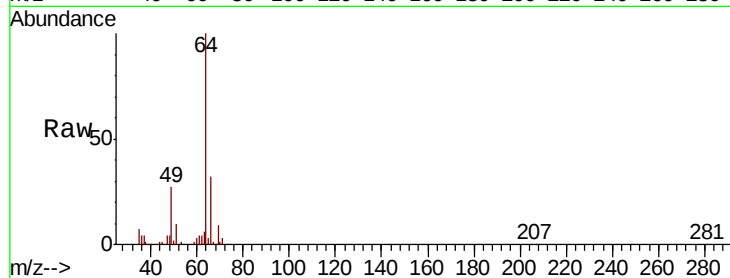




#8
Chloroethane
Concen: 26.133 ug/L
RT: 2.80 min Scan# 161
Delta R.T. -0.00 min
Lab File: VY003830.D
Acq: 22 Dec 2020 09:59

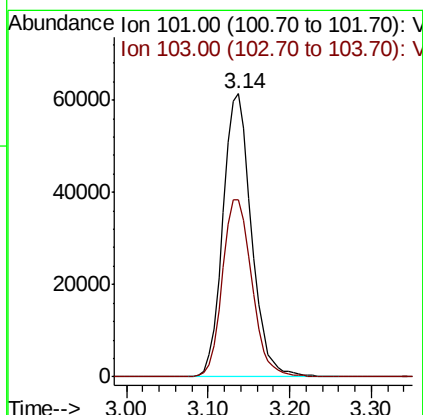
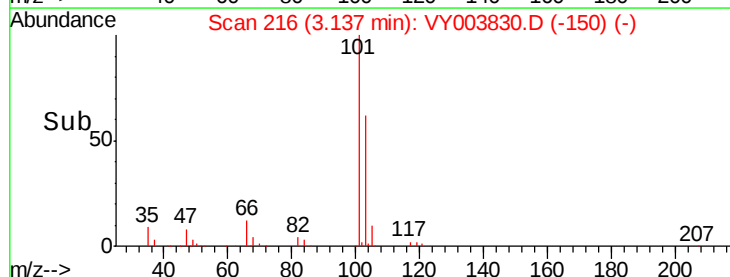
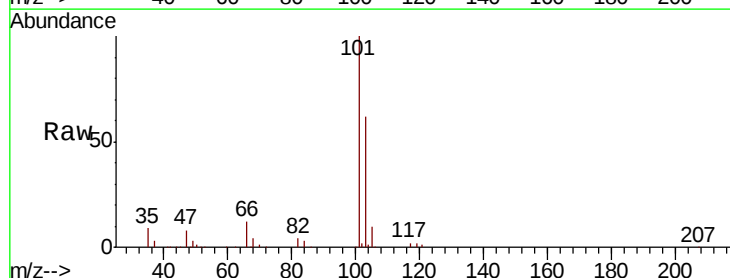
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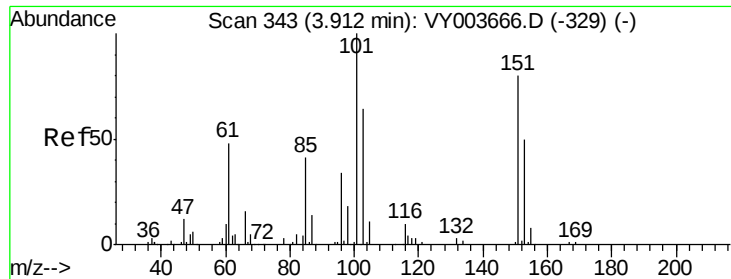
Tot Ion: 64 Resp: 54916
Ion Ratio Lower Upper
64 100
66 32.2 24.4 45.2



#9
Trichlorofluoromethane
Concen: 28.176 ug/L
RT: 3.14 min Scan# 216
Delta R.T. -0.00 min
Lab File: VY003830.D
Acq: 22 Dec 2020 09:59

Tgt Ion: 101 Resp: 148416
Ion Ratio Lower Upper
101 100
103 64.8 52.3 78.5





#10

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

Concen: 26.811 ug/L

RT: 3.91 min Scan# 343

Delta R.T. -0.00 min

Lab File: VY003830.D

Acq: 22 Dec 2020 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025414

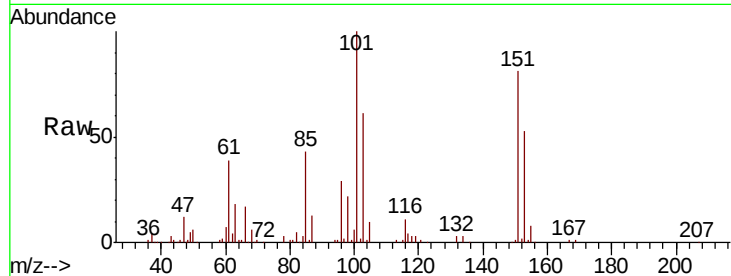
Tot Ion:101 Resp: 93000

Ion Ratio Lower Upper

101 100

85 42.4 35.1 52.7

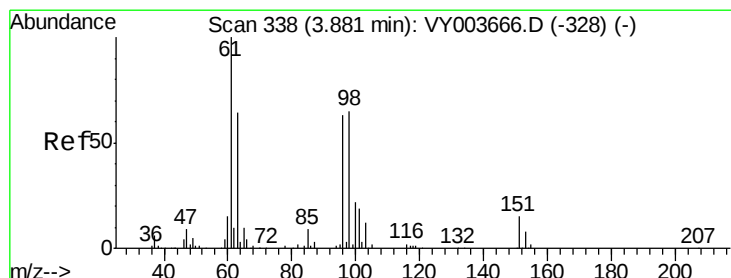
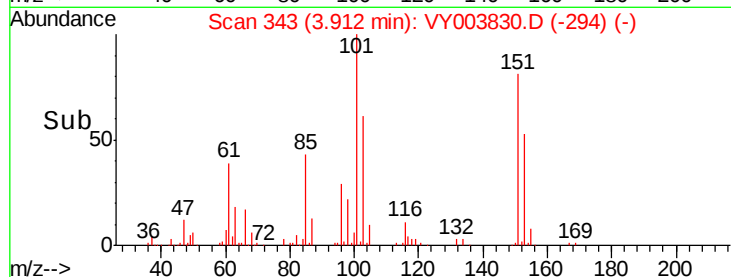
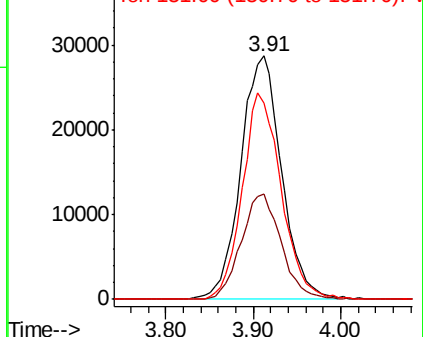
151 80.8 39.9 59.9#



Abundance Ion 101.00 (100.70 to 101.70): VY003830.D (-294) (-)

Ion 85.00 (84.70 to 85.70): VY003830.D (-294) (-)

Ion 151.00 (150.70 to 151.70): VY003830.D (-294) (-)



#12

1,1-Dichloroethene

Concen: 26.846 ug/L

RT: 3.88 min Scan# 338

Delta R.T. -0.00 min

Lab File: VY003830.D

Acq: 22 Dec 2020 09:59

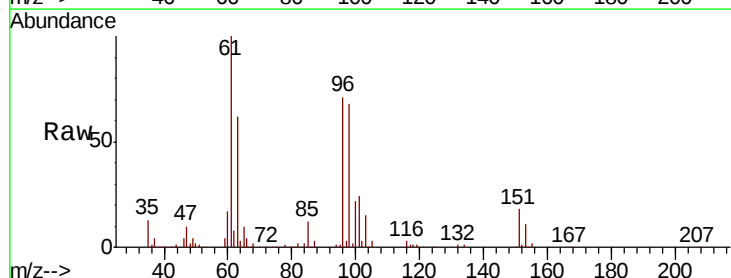
Tgt Ion: 96 Resp: 88707

Ion Ratio Lower Upper

96 100

61 140.8 108.6 201.8

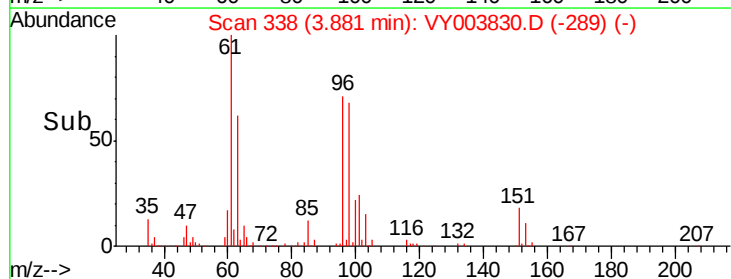
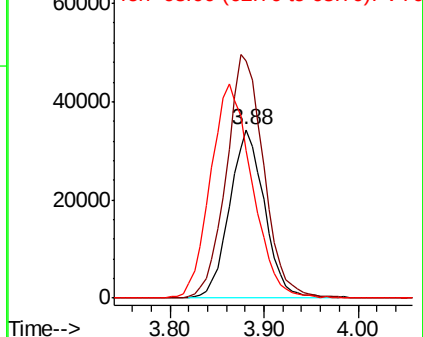
63 87.6 61.0 113.2

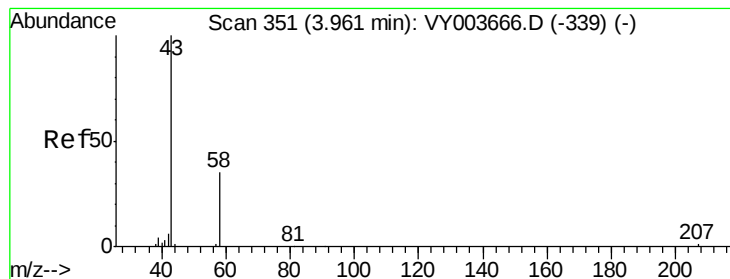


Abundance Ion 96.00 (95.70 to 96.70): VY003830.D (-289) (-)

Ion 61.00 (60.70 to 61.70): VY003830.D (-289) (-)

Ion 63.00 (62.70 to 63.70): VY003830.D (-289) (-)





#13

Acetone

Concen: 48.215 ug/L

RT: 3.96 min Scan# 351

Delta R.T. -0.00 min

Lab File: VY003830.D

Acq: 22 Dec 2020 09:59

Instrument :

MSVOA_Y

ClientSampleId :

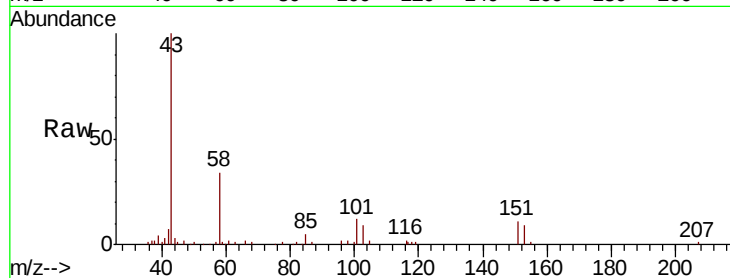
VSTD025414

Tot Ion: 43 Resp: 46366

Ion Ratio Lower Upper

43 100

58 36.4 0.0 30.8#



Abundance Ion 43.00 (42.70 to 43.70): VY003666.D (-339) (-)

Ion 58.00 (57.70 to 58.70): VY003666.D (-339) (-)

3.96

15000

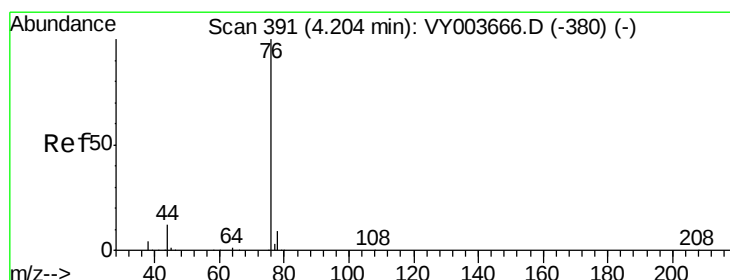
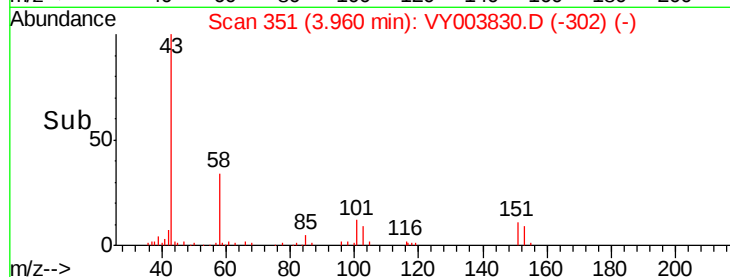
10000

5000

0

Time-->

3.85 3.90 3.95 4.00 4.05



#14

Carbon disulfide

Concen: 25.965 ug/L

RT: 4.20 min Scan# 391

Delta R.T. -0.00 min

Lab File: VY003830.D

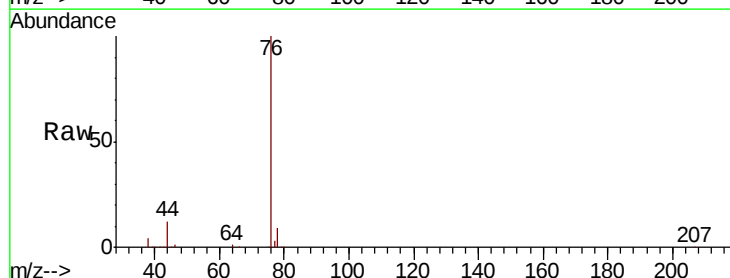
Acq: 22 Dec 2020 09:59

Tgt Ion: 76 Resp: 277598

Ion Ratio Lower Upper

76 100

78 8.8 7.8 11.8



Abundance Ion 76.00 (75.70 to 76.70): VY003666.D (-380) (-)

Ion 78.00 (77.70 to 78.70): VY003666.D (-380) (-)

4.20

120000

100000

80000

60000

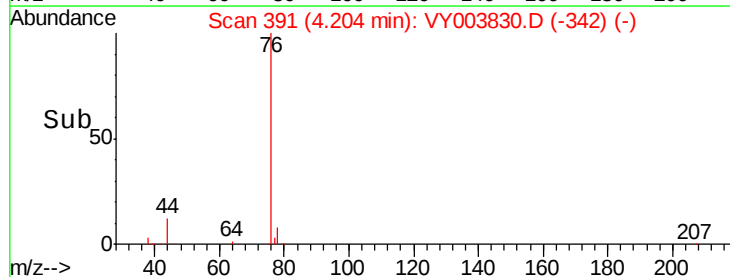
40000

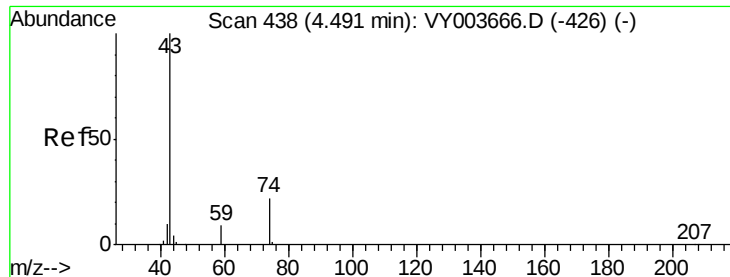
20000

0

Time-->

4.10 4.20 4.30

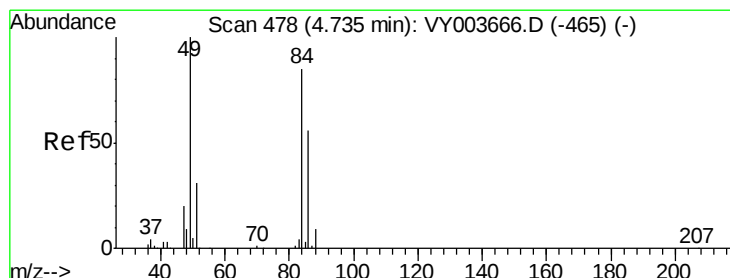
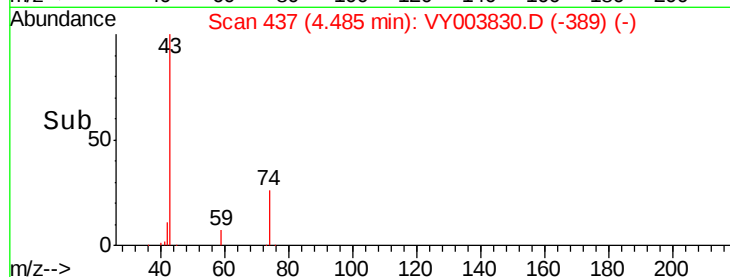
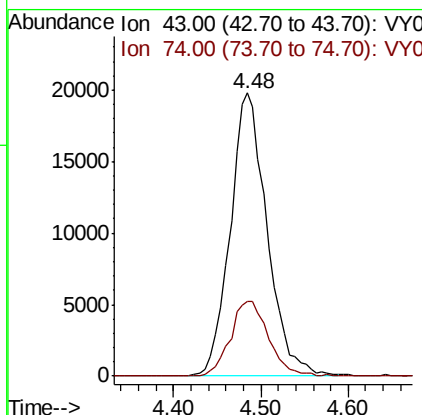
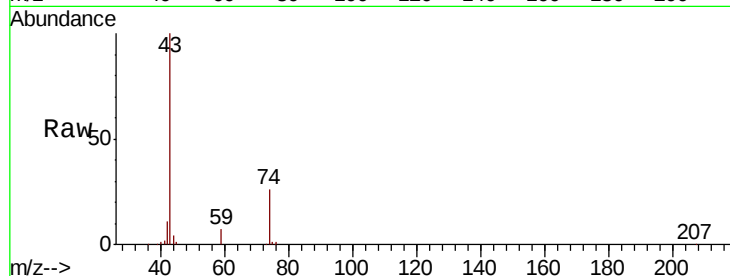




#15
Methvl Acetate
Concen: 23.811 ug/L
RT: 4.48 min Scan# 437
Delta R.T. -0.01 min
Lab File: VY003830.D
Acq: 22 Dec 2020 09:59

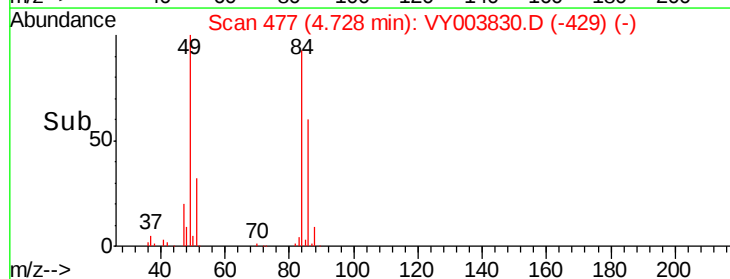
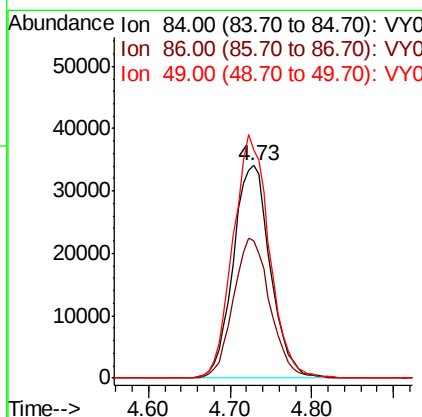
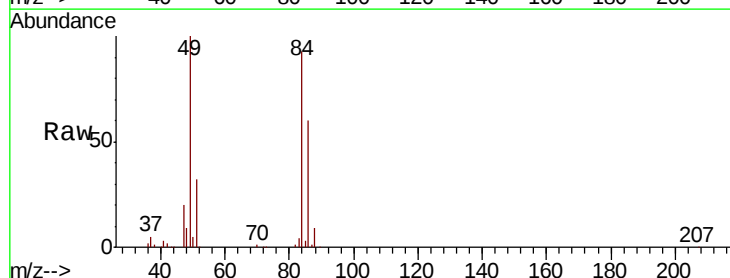
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025414

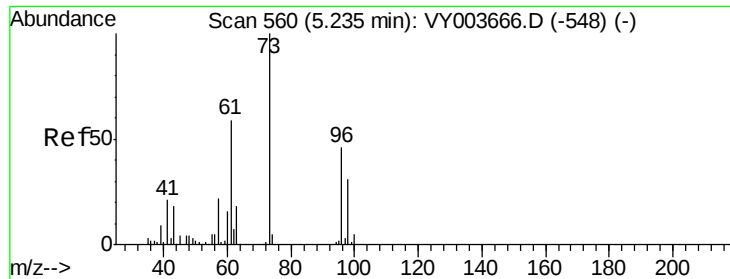
Tot Ion: 43 Resp: 58004
Ion Ratio Lower Upper
43 100
74 27.2 13.4 20.2#



#16
Methylene chloride
Concen: 22.185 ug/L
RT: 4.73 min Scan# 477
Delta R.T. -0.01 min
Lab File: VY003830.D
Acq: 22 Dec 2020 09:59

Tgt Ion: 84 Resp: 107698
Ion Ratio Lower Upper
84 100
86 64.8 45.2 84.0
49 107.3 83.1 154.3

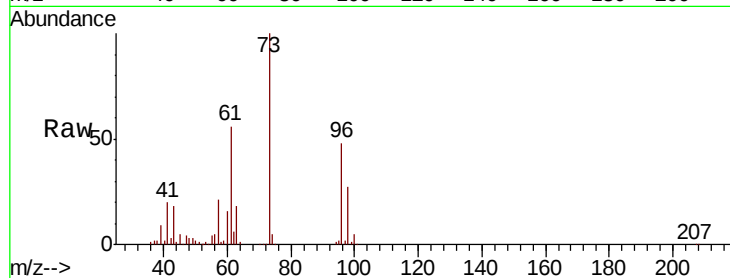




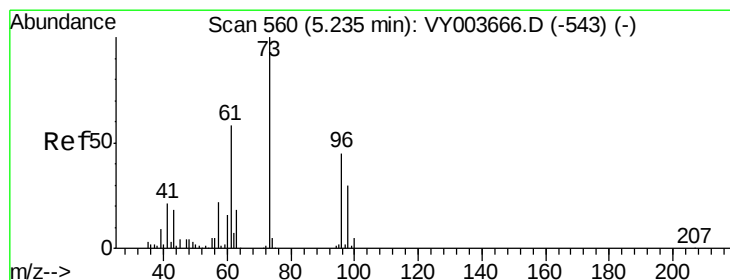
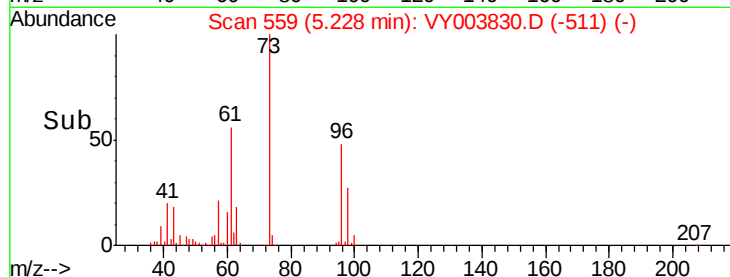
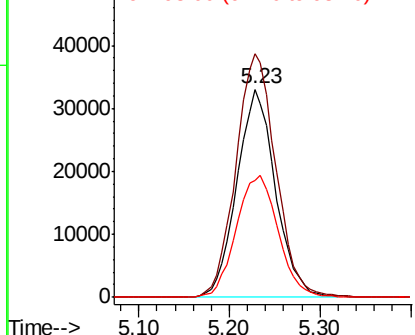
#17
trans-1,2-Dichloroethene
Concen: 26.556 ug/L
RT: 5.23 min Scan# 559
Delta R.T. -0.01 min
Lab File: VY003830.D
Acq: 22 Dec 2020 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025414

Tot Ion: 96 Resp: 97881
Ion Ratio Lower Upper
96 100
61 117.0 91.8 170.6
98 56.5 44.7 82.9

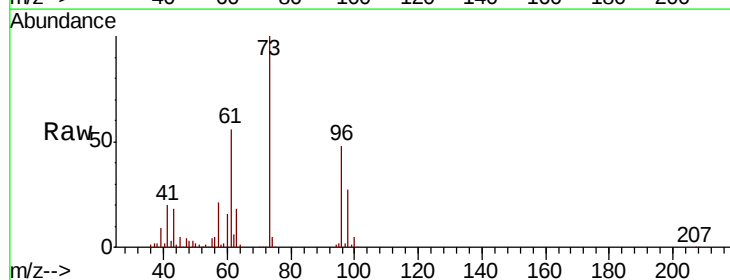


Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

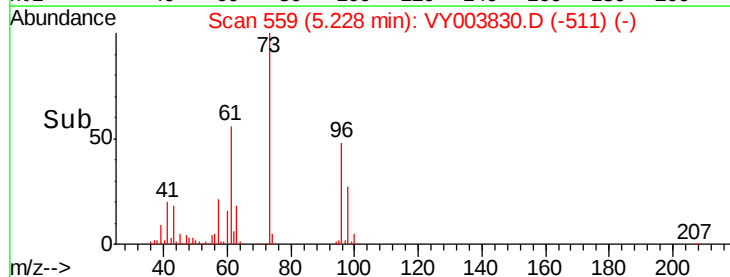
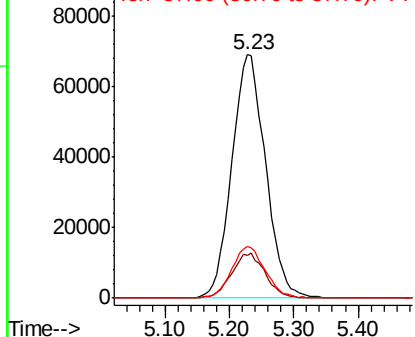


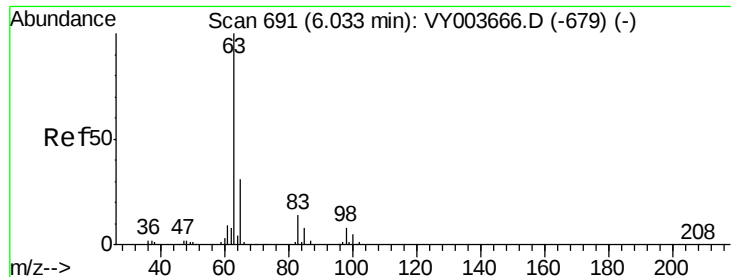
#18
Methyl tert-butyl Ether
Concen: 26.957 ug/L
RT: 5.23 min Scan# 559
Delta R.T. -0.01 min
Lab File: VY003830.D
Acq: 22 Dec 2020 09:59

Tgt Ion: 73 Resp: 250798
Ion Ratio Lower Upper
73 100
43 18.3 10.2 15.4#
57 21.1 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 57.00 (56.70 to 57.70): VY0

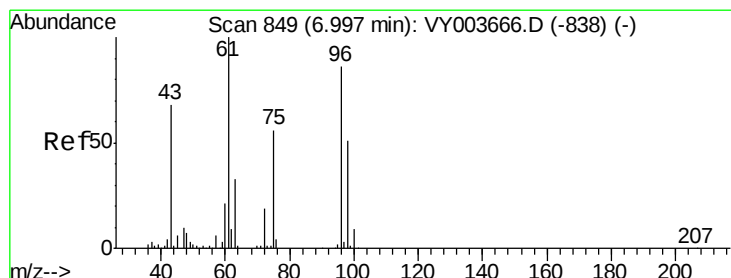
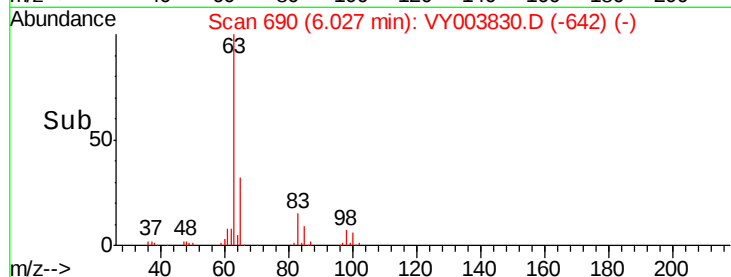
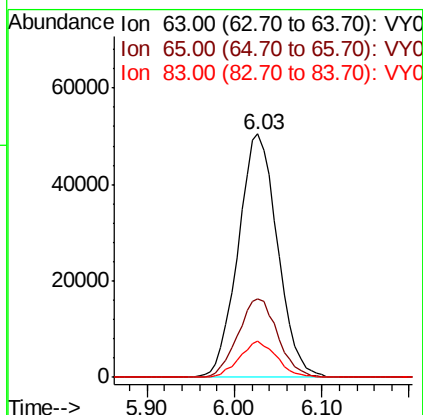
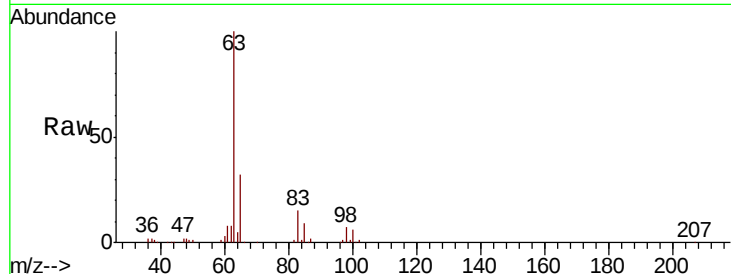




#19
 1,1-Dichloroethane
 Concen: 25.755 ug/L
 RT: 6.03 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VY003830.D
 Acq: 22 Dec 2020 09:59

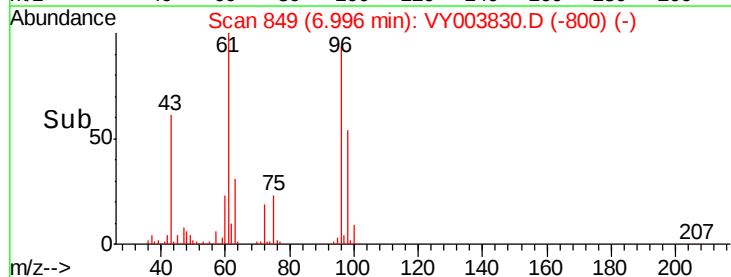
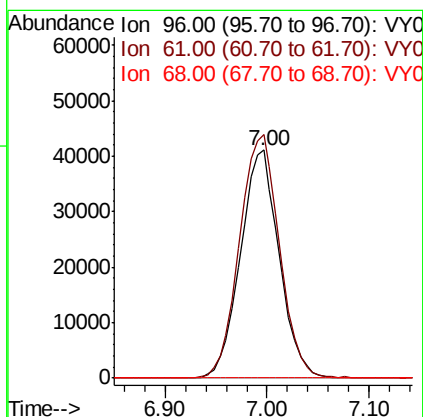
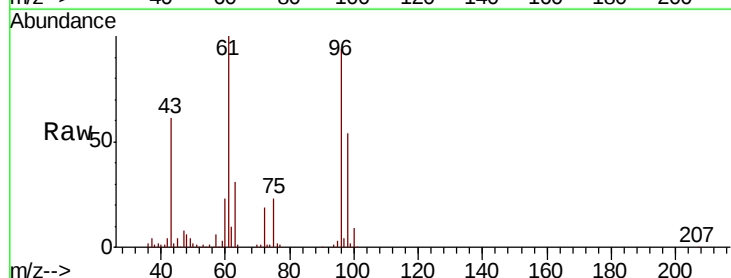
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025414

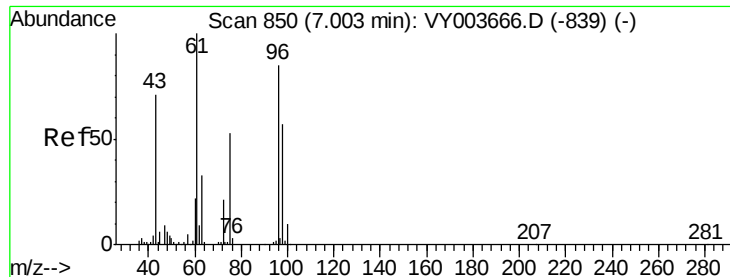
Tot Ion	63	Resp	157643
Ion Ratio	Lower	Upper	
63	100		
65	32.0	20.4	38.0
83	15.1	8.6	16.0



#20
 cis-1,2-Dichloroethene
 Concen: 27.542 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: VY003830.D
 Acq: 22 Dec 2020 09:59

Tgt Ion	96	Resp	108766
Ion Ratio	Lower	Upper	
96	100		
61	106.8	96.3	178.9
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 45.108 ug/L

RT: 6.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VY003830.D

Acq: 22 Dec 2020 09:59

Instrument :

MSVOA_Y

ClientSampleId :

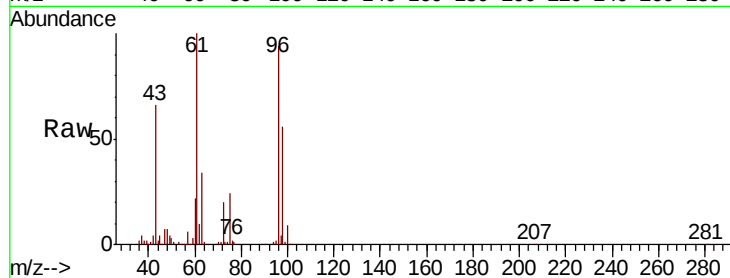
VSTD025414

Tot Ion: 43 Resp: 76679

Ion Ratio Lower Upper

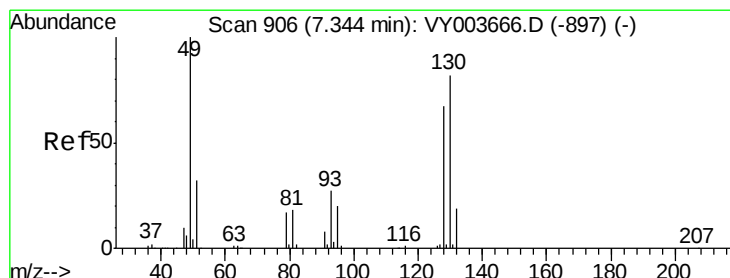
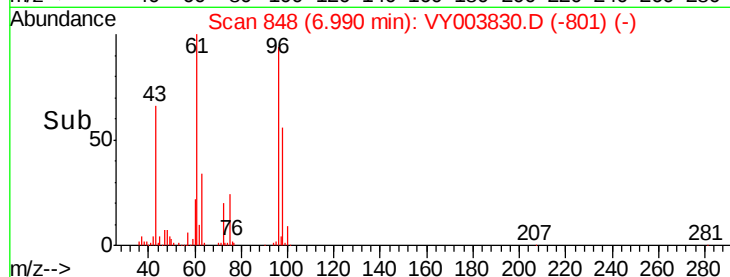
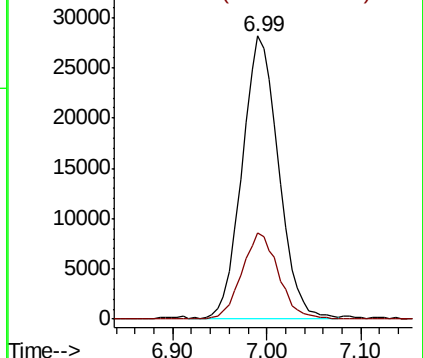
43 100

72 30.4 10.8 32.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#23

Bromochloromethane

Concen: 26.950 ug/L

RT: 7.34 min Scan# 905

Delta R.T. -0.01 min

Lab File: VY003830.D

Acq: 22 Dec 2020 09:59

Tgt Ion:128 Resp: 52959

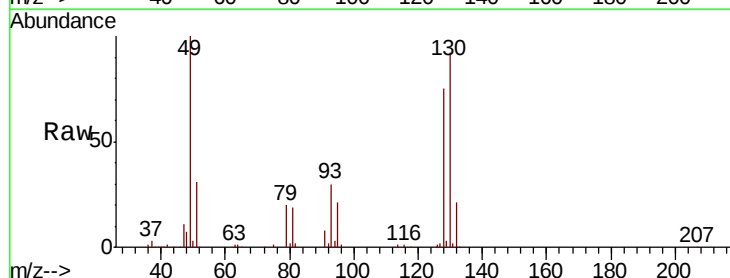
Ion Ratio Lower Upper

128 100

49 133.3 100.8 187.2

130 122.8 78.2 145.2

51 41.2 34.5 51.7

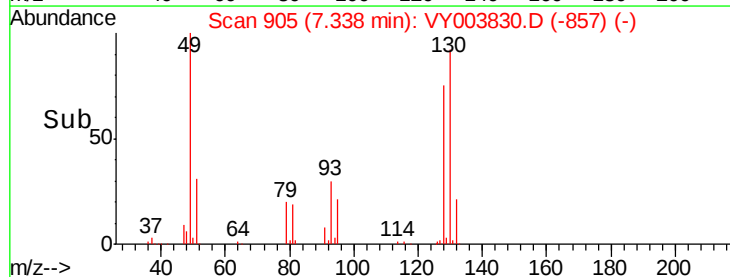
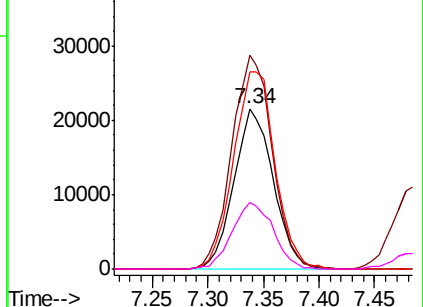


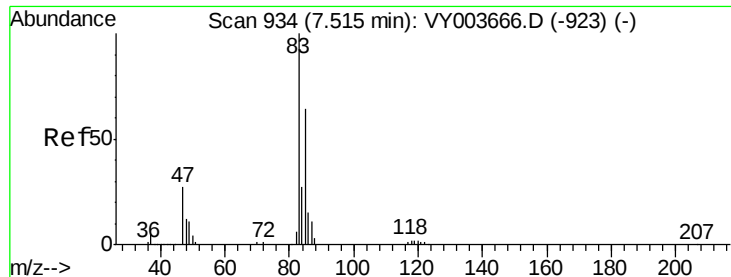
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VY0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VY0

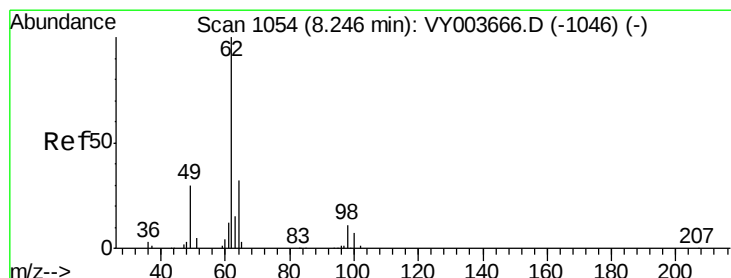
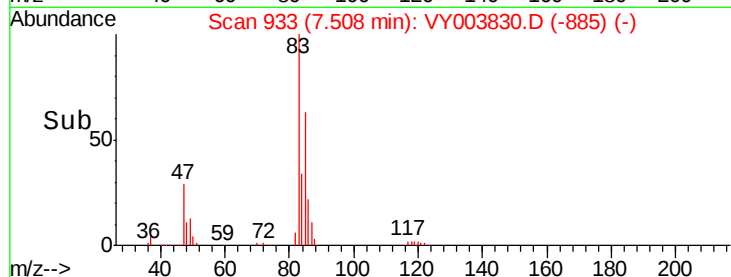
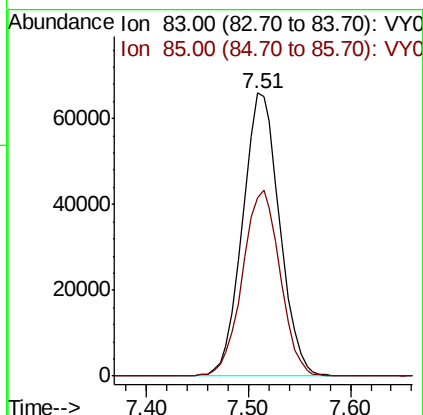
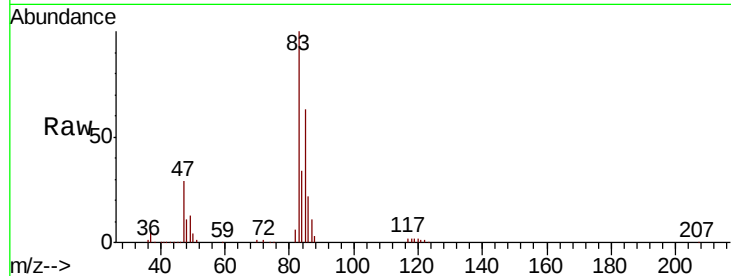




#25
Chloroform
Concen: 26.679 ug/L
RT: 7.51 min Scan# 933
Delta R.T. -0.01 min
Lab File: VY003830.D
Acq: 22 Dec 2020 09:59

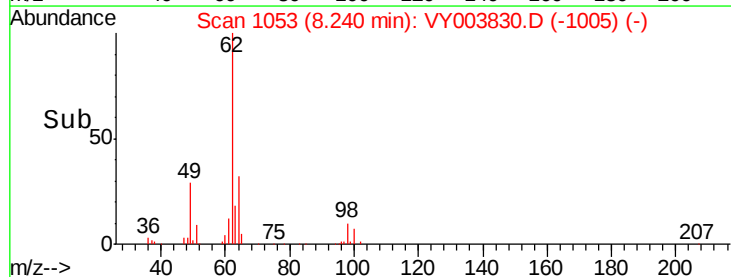
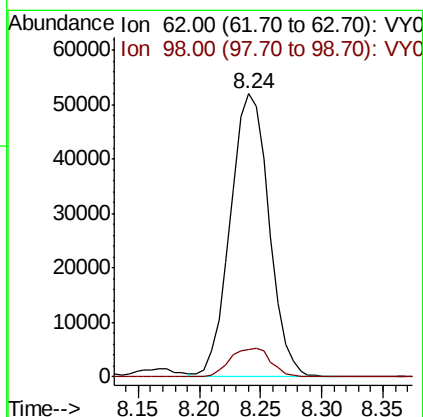
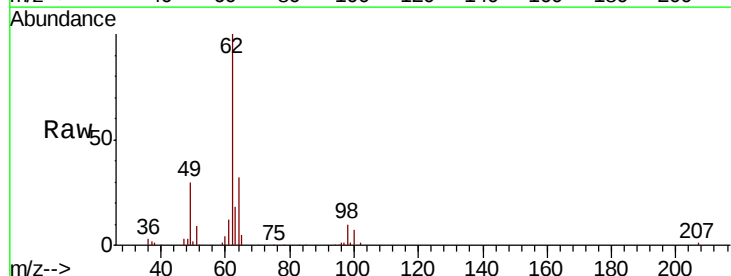
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025414

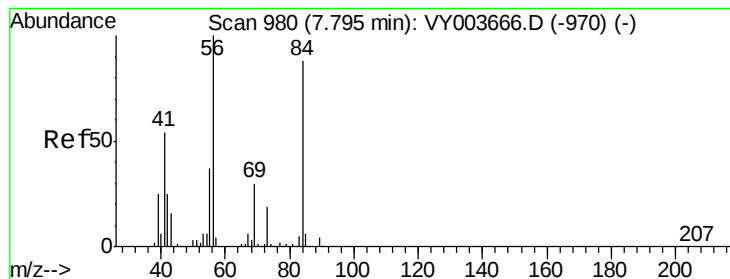
Tot Ion: 83 Resp: 166660
Ion Ratio Lower Upper
83 100
85 62.9 46.6 86.6



#27
1,2-Dichloroethane
Concen: 27.250 ug/L
RT: 8.24 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VY003830.D
Acq: 22 Dec 2020 09:59

Tgt Ion: 62 Resp: 114311
Ion Ratio Lower Upper
62 100
98 9.8 8.3 12.5





#29

Cyclohexane

Concen: 26.237 ug/L

RT: 7.79 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY003830.D

Acq: 22 Dec 2020 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025414

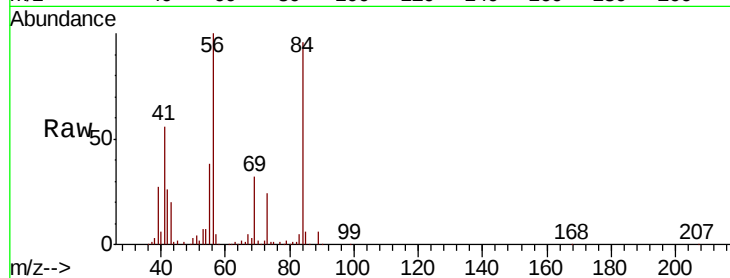
Tot Ion: 56 Resp: 145669

Ion Ratio Lower Upper

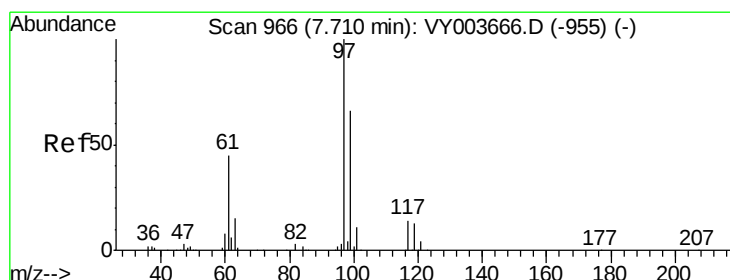
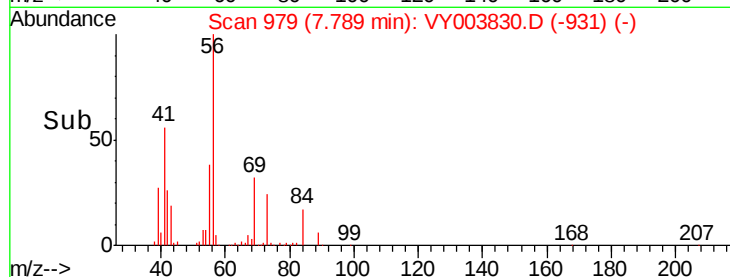
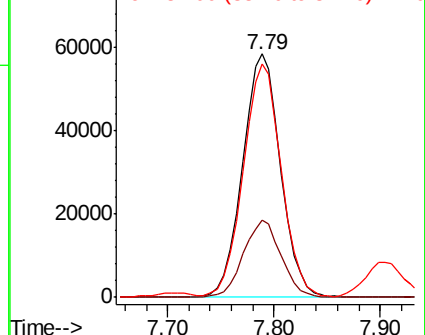
56 100

69 31.4 25.1 37.7

84 96.3 70.6 105.8



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#30

1,1,1-Trichloroethane

Concen: 28.037 ug/L

RT: 7.70 min Scan# 965

Delta R.T. -0.01 min

Lab File: VY003830.D

Acq: 22 Dec 2020 09:59

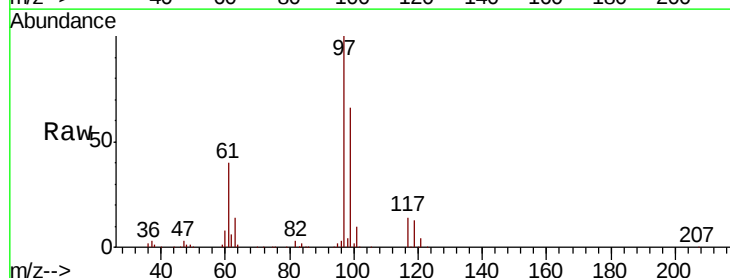
Tgt Ion: 97 Resp: 151919

Ion Ratio Lower Upper

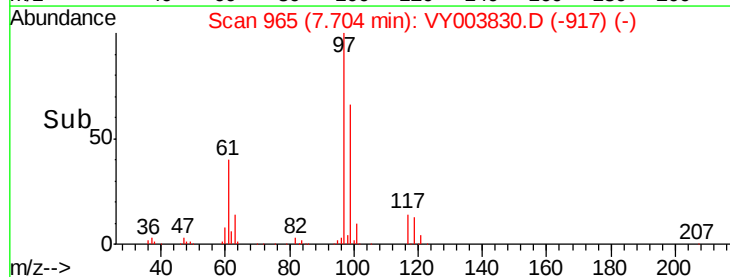
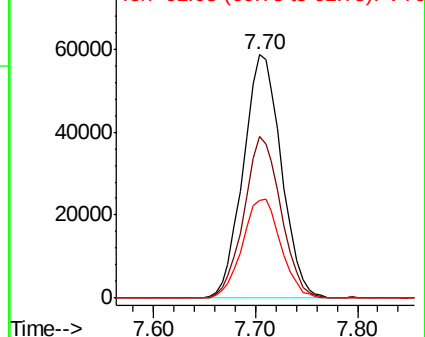
97 100

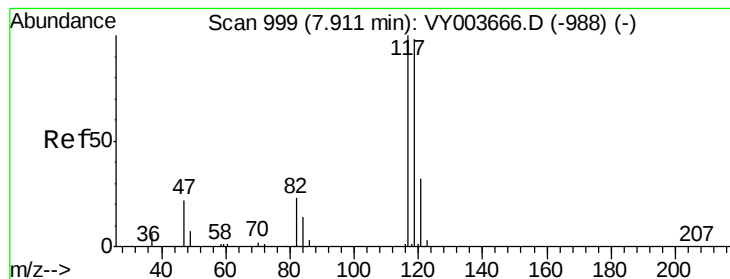
99 64.6 51.0 76.4

61 41.3 34.6 51.8



Abundance Ion 97.00 (96.70 to 97.70): VY0
Ion 99.00 (98.70 to 99.70): VY0
Ion 61.05 (60.75 to 61.75): VY0





#31

Carbon tetrachloride

Concen: 28.241 ug/L

RT: 7.90 min Scan# 998

Delta R.T. -0.01 min

Lab File: VY003830.D

Acq: 22 Dec 2020 09:59

Instrument :

MSVOA_Y

ClientSampleId :

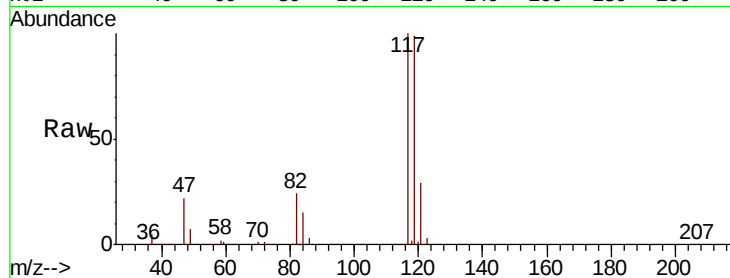
VSTD025414

Tot Ion:117 Resp: 138561

Ion Ratio Lower Upper

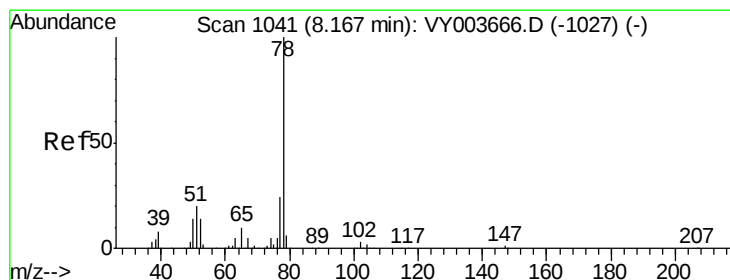
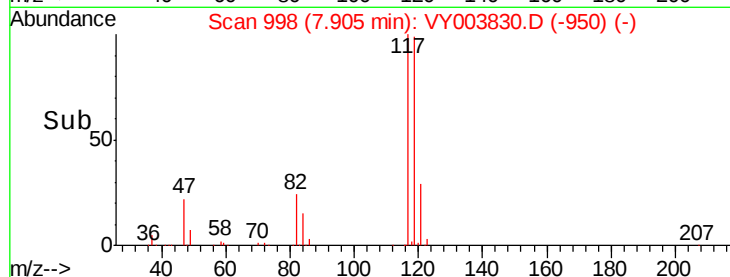
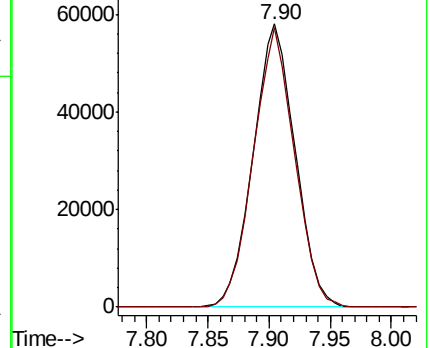
117 100

119 96.8 72.6 109.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 26.596 ug/L

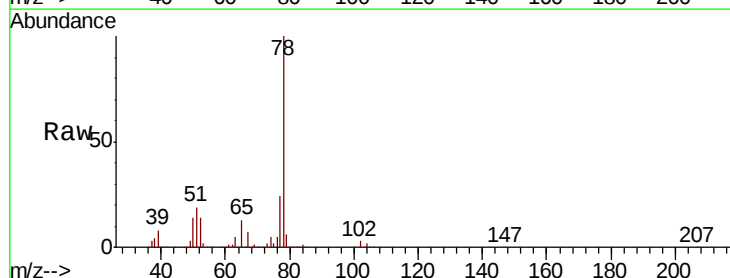
RT: 8.16 min Scan# 1040

Delta R.T. -0.01 min

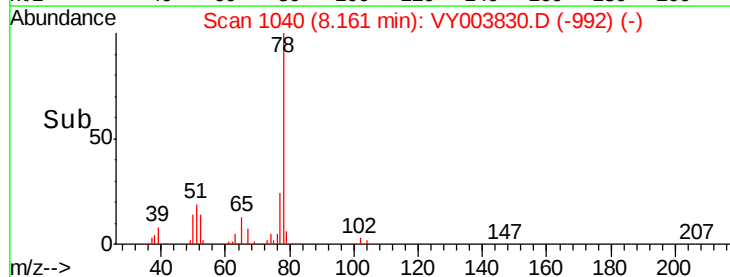
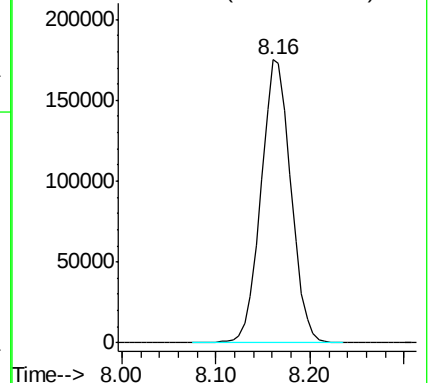
Lab File: VY003830.D

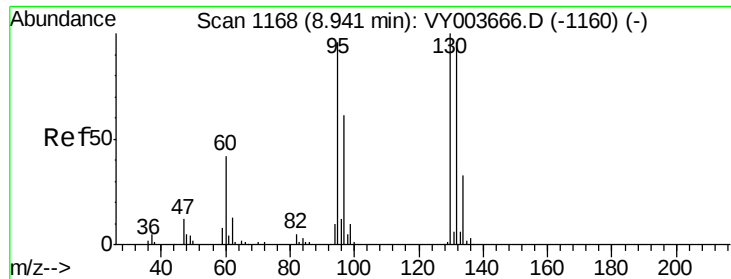
Acq: 22 Dec 2020 09:59

Tgt Ion: 78 Resp: 391652



Abundance Ion 78.00 (77.70 to 78.70): VY0





#34

Trichloroethene

Concen: 26.608 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. -0.00 min

Lab File: VY003830.D

Acq: 22 Dec 2020 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025414

Tot Ion: 95 Resp: 105441

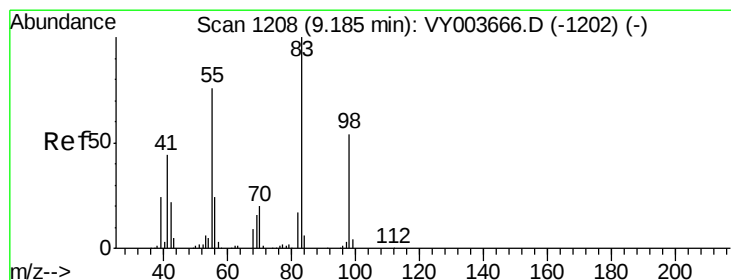
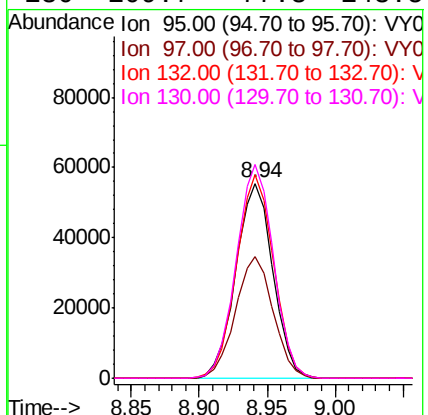
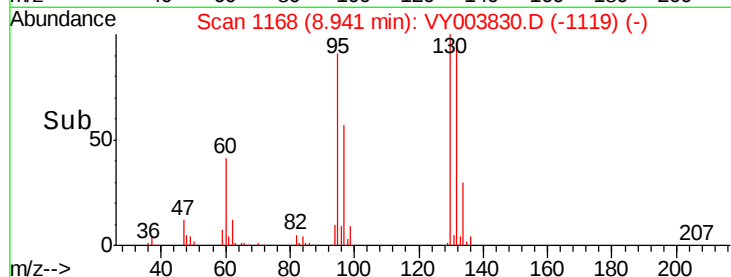
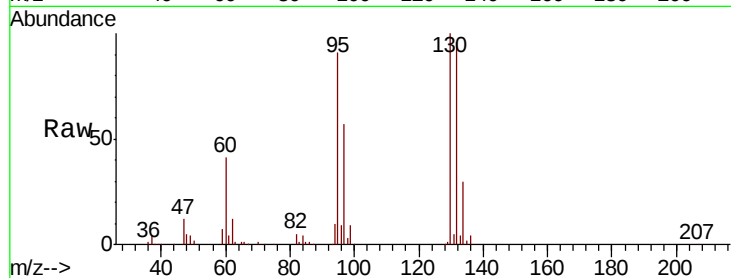
Ion Ratio Lower Upper

95 100

97 62.2 46.5 86.5

132 104.8 67.5 125.3

130 109.7 77.3 143.5



#35

Methylcyclohexane

Concen: 27.235 ug/L

RT: 9.18 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VY003830.D

Acq: 22 Dec 2020 09:59

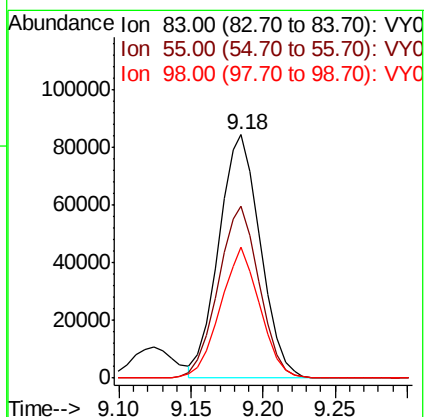
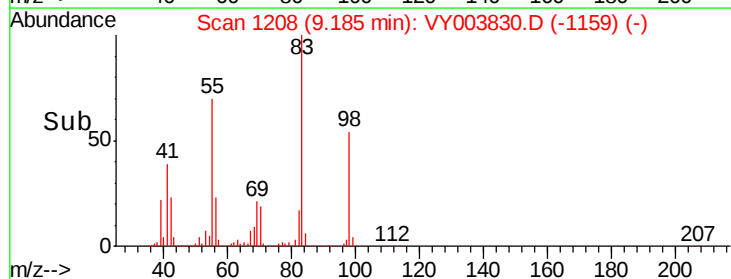
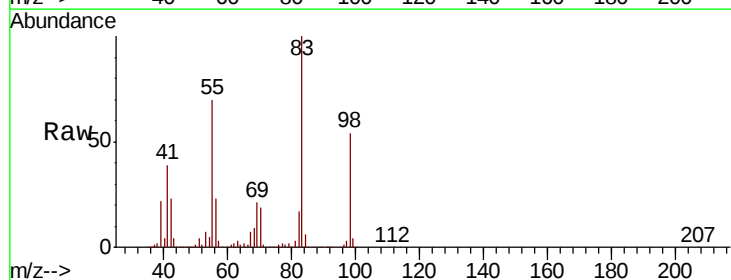
Tgt Ion: 83 Resp: 169996

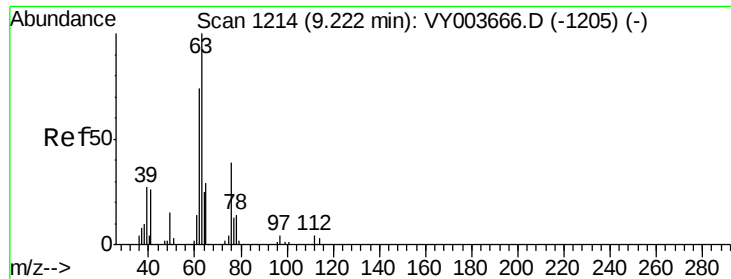
Ion Ratio Lower Upper

83 100

55 69.8 55.6 83.4

98 51.0 38.6 58.0

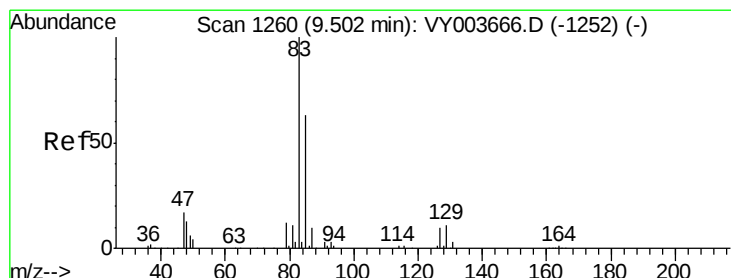
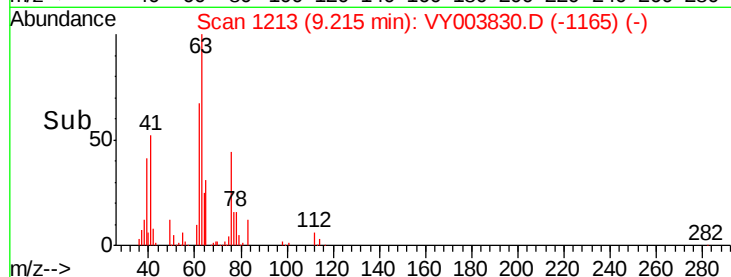
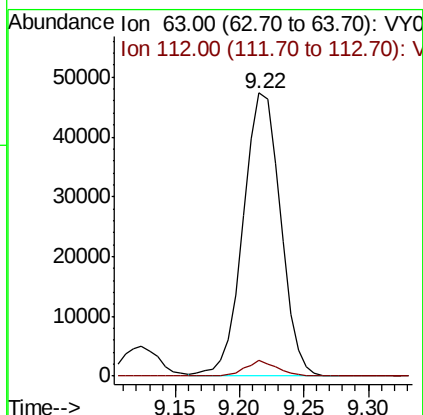
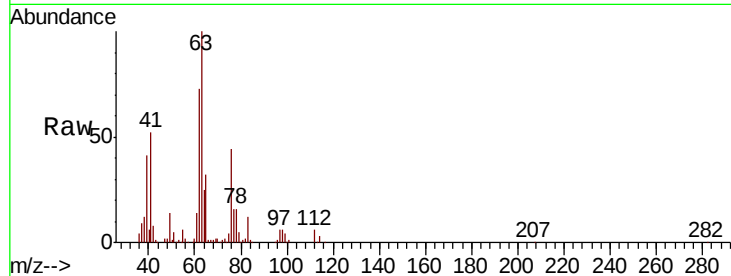




#37
 1,2-Dichloropropane
 Concen: 25.902 ug/L
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: VY003830.D
 Acq: 22 Dec 2020 09:59

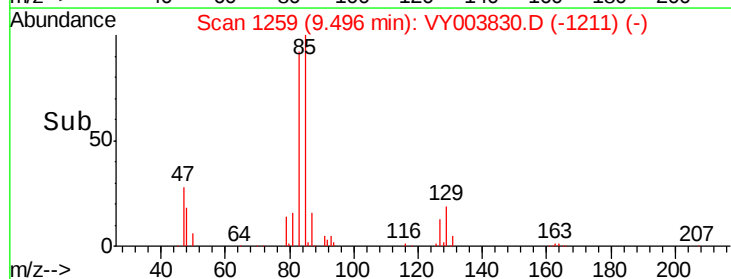
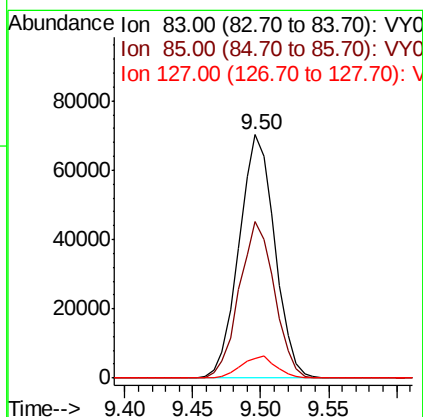
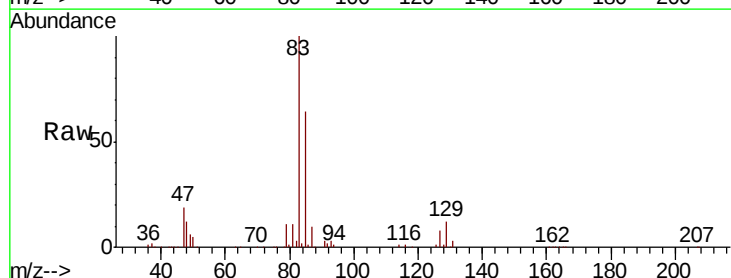
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025414

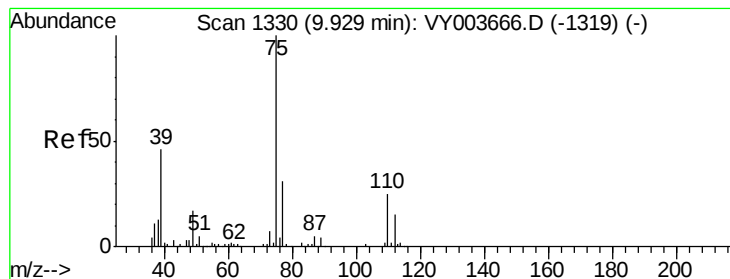
Tot Ion: 63 Resp: 95308
 Ion Ratio Lower Upper
 63 100
 112 4.7 4.2 6.2



#38
 Bromodichloromethane
 Concen: 27.373 ug/L
 RT: 9.50 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VY003830.D
 Acq: 22 Dec 2020 09:59

Tgt Ion: 83 Resp: 128853
 Ion Ratio Lower Upper
 83 100
 85 64.4 39.3 73.1
 127 8.3 5.7 8.5



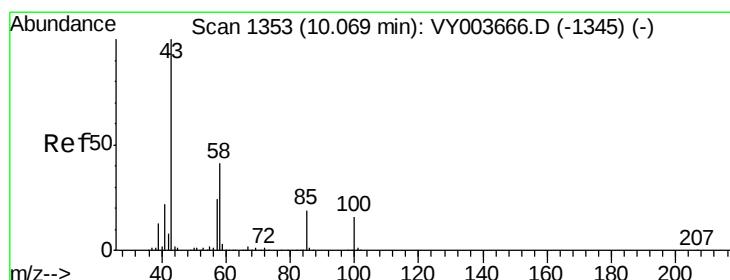
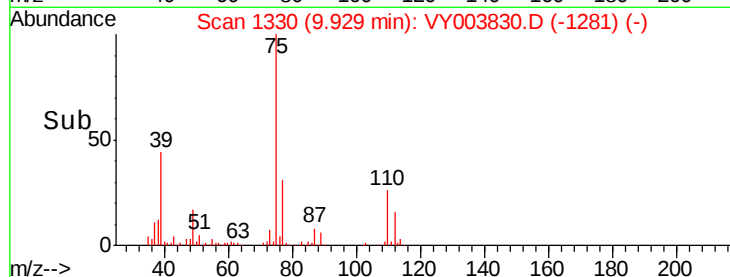
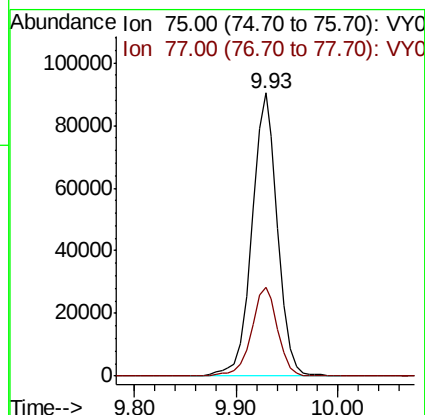
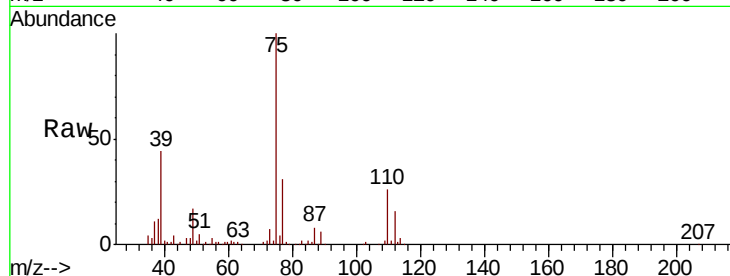


#39

cis-1,3-Dichloropropene
 Concen: 27.184 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VY003830.D
 Acq: 22 Dec 2020 09:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025414

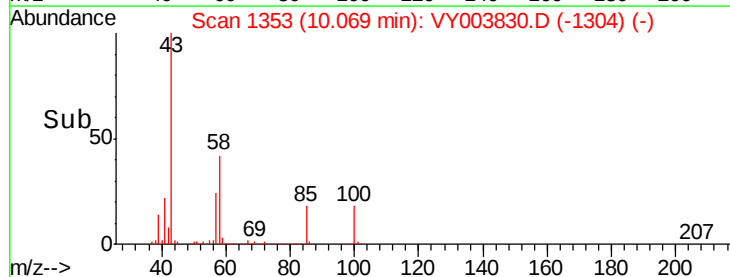
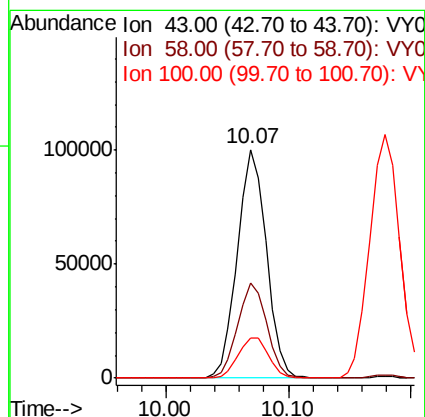
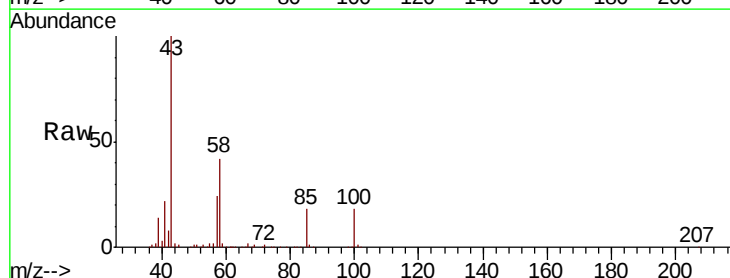
Tot Ion: 75 Resp: 157766
 Ion Ratio Lower Upper
 75 100
 77 31.2 23.2 43.2

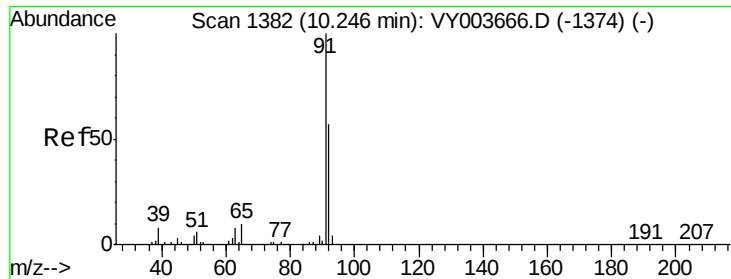


#40

4-Methyl-2-pentanone
 Concen: 49.486 ug/L
 RT: 10.07 min Scan# 1353
 Delta R.T. -0.00 min
 Lab File: VY003830.D
 Acq: 22 Dec 2020 09:59

Tgt Ion: 43 Resp: 164814
 Ion Ratio Lower Upper
 43 100
 58 41.7 32.6 48.8
 100 18.6 13.1 19.7





#42

Toluene

Concen: 27.654 ug/L

RT: 10.24 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VY003830.D

Acq: 22 Dec 2020 09:59

Instrument :

MSVOA_Y

ClientSampleId :

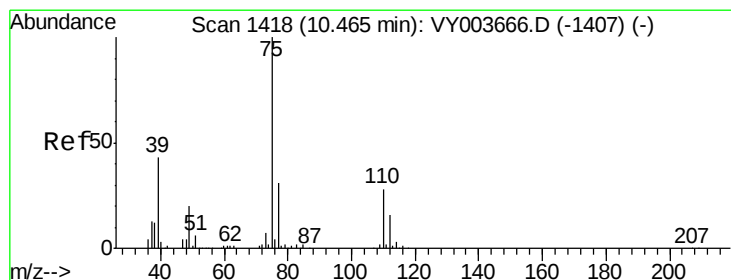
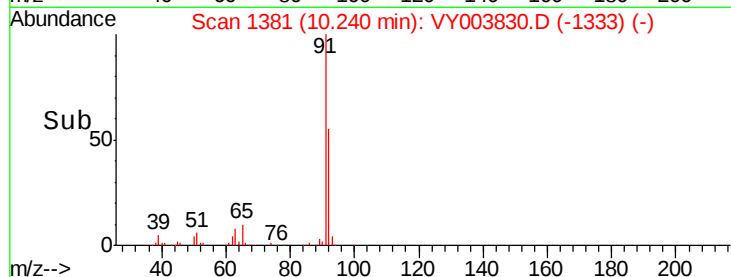
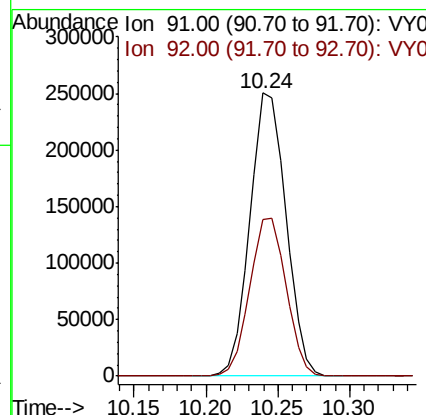
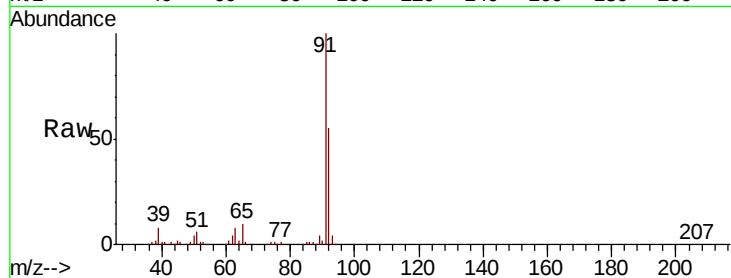
VSTD025414

Tot Ion: 91 Resp: 433772

Ion Ratio Lower Upper

91 100

92 55.4 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 27.352 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003830.D

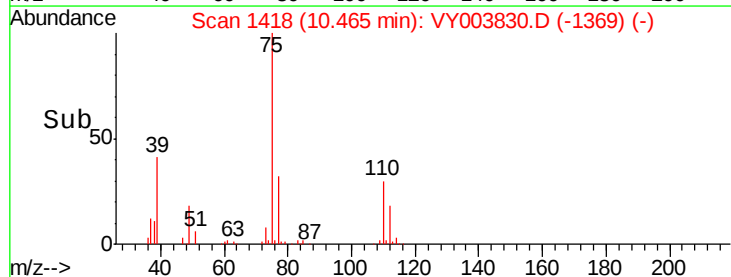
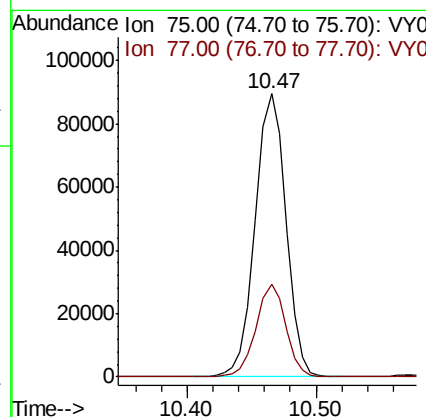
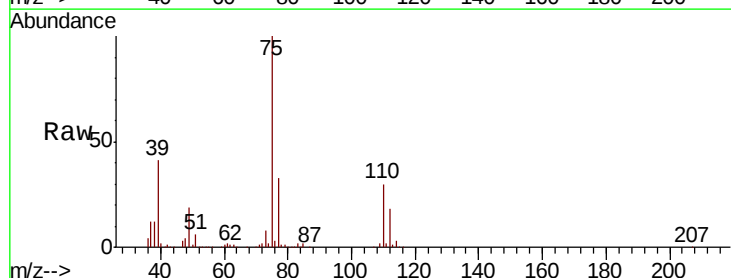
Acq: 22 Dec 2020 09:59

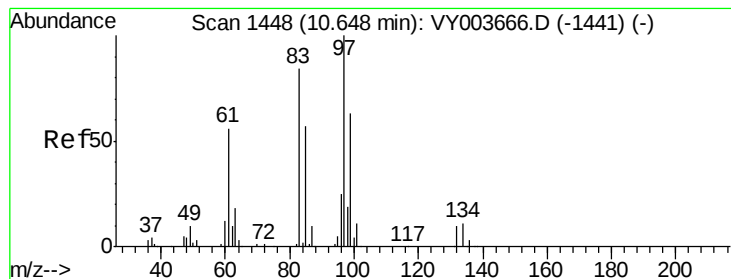
Tgt Ion: 75 Resp: 147833

Ion Ratio Lower Upper

75 100

77 32.6 24.7 45.9





#45

1,1,2-Trichloroethane

Concen: 26.899 ug/L

RT: 10.65 min Scan# 1448

Delta R.T. -0.00 min

Lab File: VY003830.D

Acq: 22 Dec 2020 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025414

Tot Ion: 97 Resp: 86404

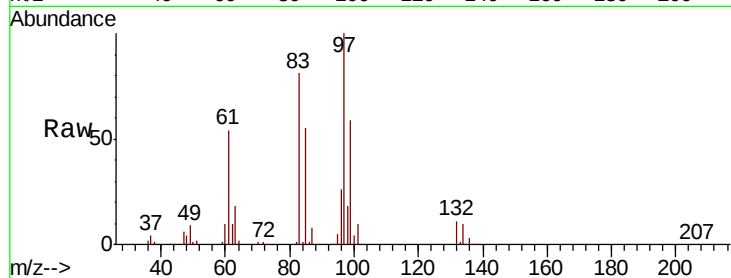
Ion Ratio Lower Upper

97 100

99 58.9 48.2 89.6

83 80.6 64.8 120.3

85 55.2 35.1 65.1

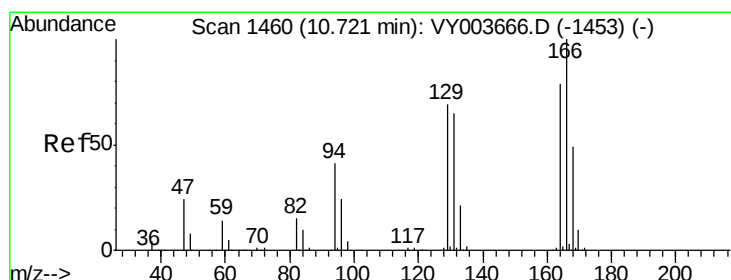
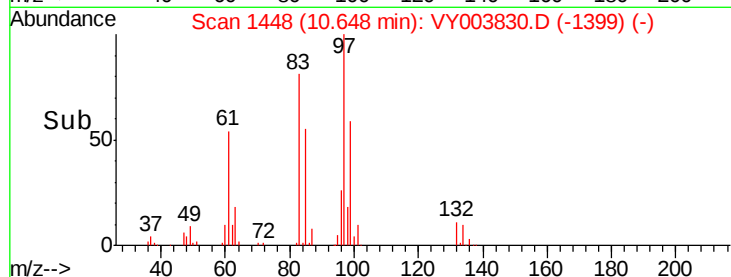
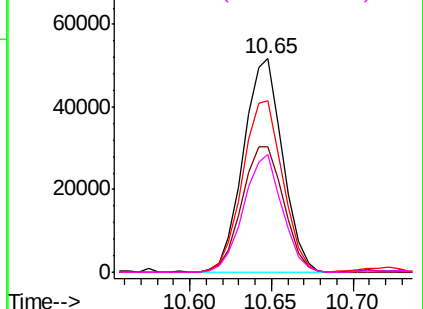


Abundance Ion 97.00 (96.70 to 97.70): VY0

Ion 99.00 (98.70 to 99.70): VY0

Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#46

Tetrachloroethene

Concen: 27.709 ug/L

RT: 10.72 min Scan# 1460

Delta R.T. -0.00 min

Lab File: VY003830.D

Acq: 22 Dec 2020 09:59

Tgt Ion: 164 Resp: 88223

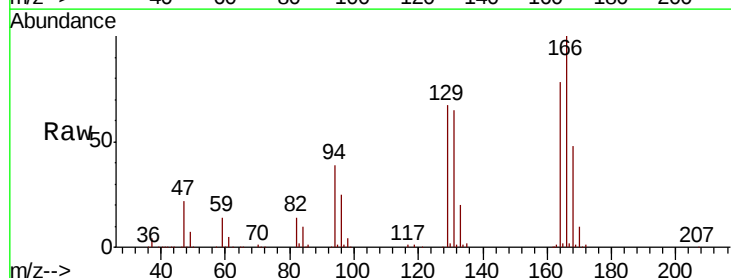
Ion Ratio Lower Upper

164 100

129 86.4 53.4 99.2

131 83.2 60.8 112.8

166 128.6 87.2 162.0

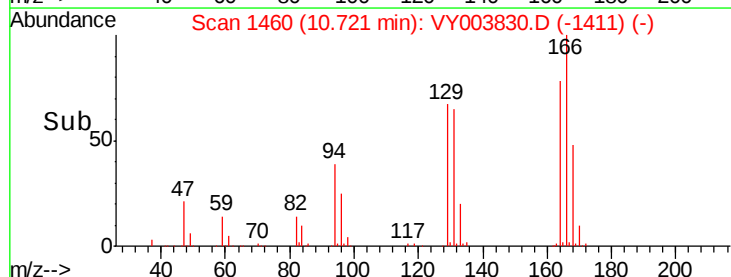
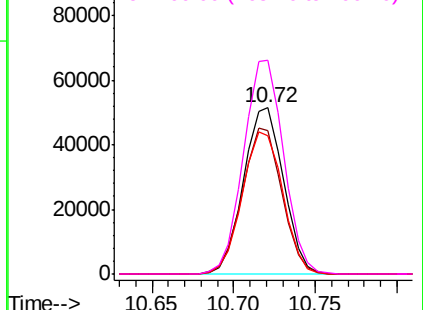


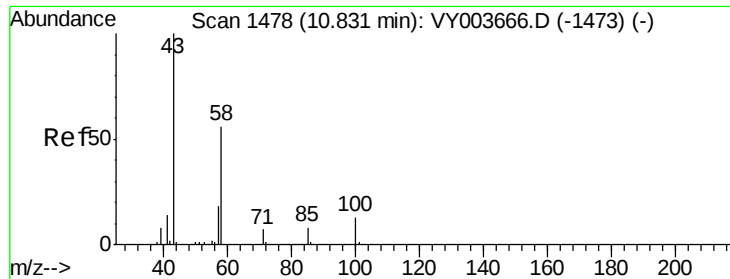
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

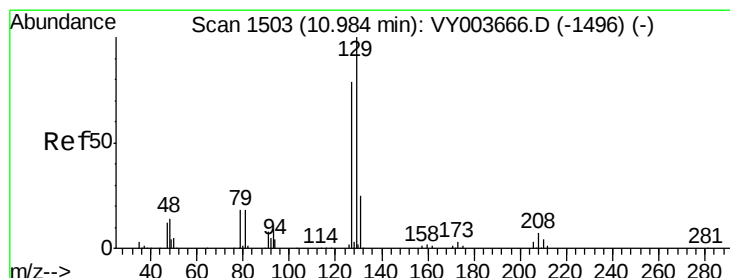
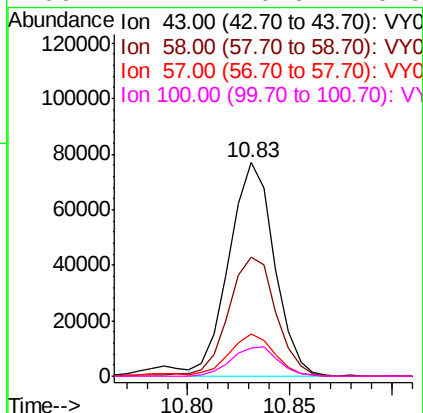
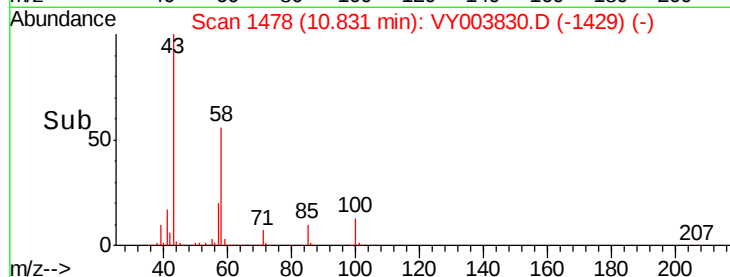
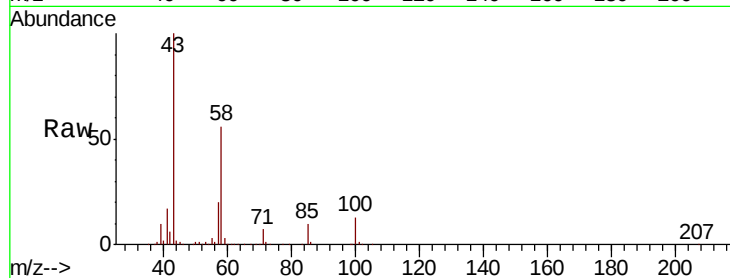




#48
2-Hexanone
Concen: 51.094 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VY003830.D
Acq: 22 Dec 2020 09:59

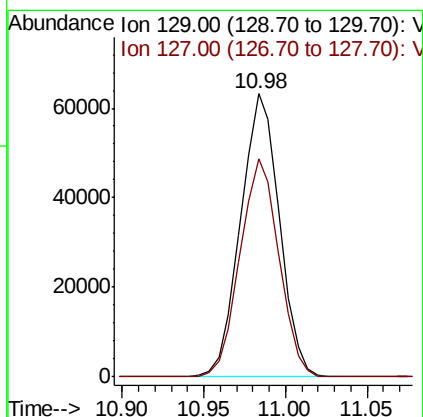
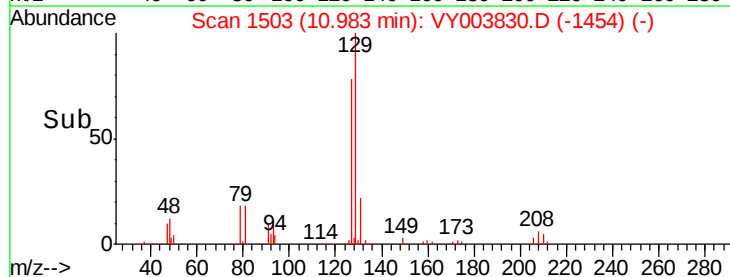
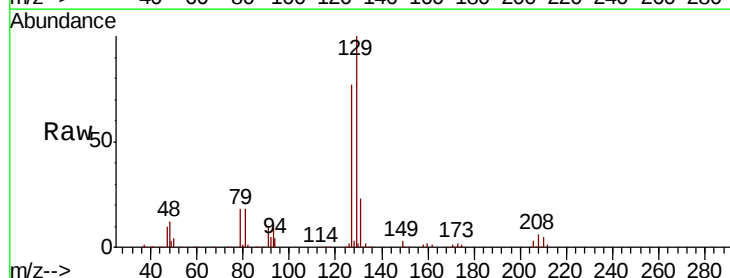
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025414

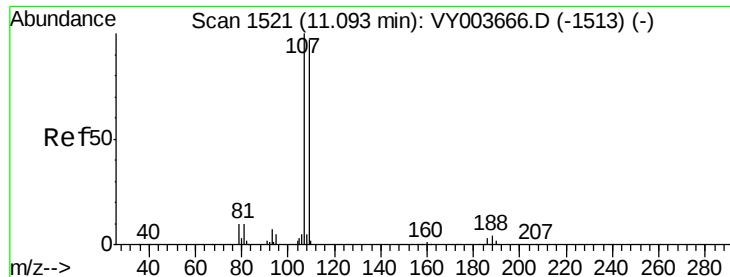
Tot Ion: 43 Resp: 118677
Ion Ratio Lower Upper
43 100
58 58.7 44.3 66.5
57 19.5 12.6 19.0#
100 14.1 10.6 16.0



#49
Dibromochloromethane
Concen: 28.355 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. -0.00 min
Lab File: VY003830.D
Acq: 22 Dec 2020 09:59

Tgt Ion: 129 Resp: 104964
Ion Ratio Lower Upper
129 100
127 77.1 48.0 89.2

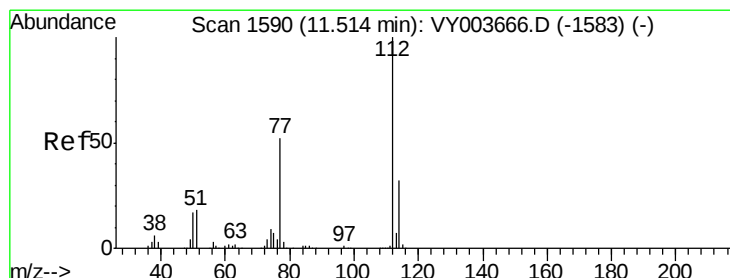
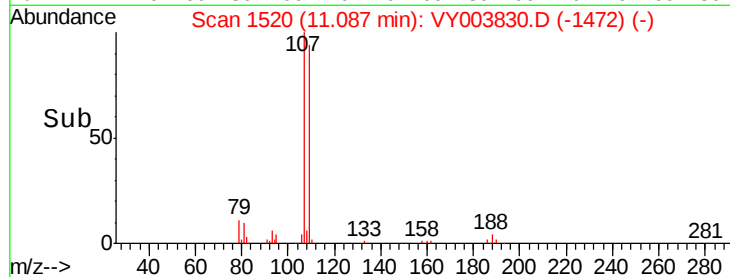
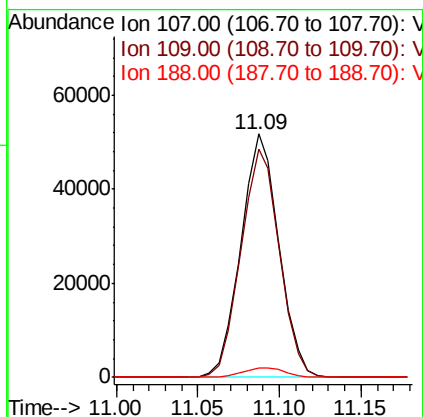
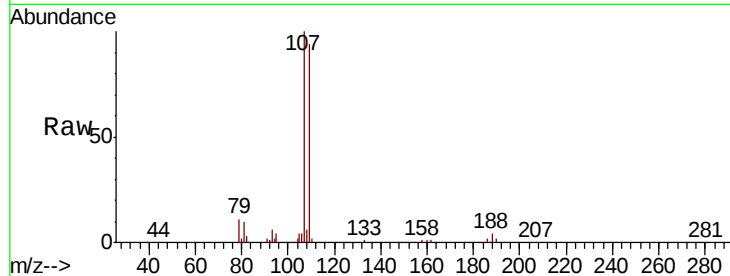




#50
 1,2-Dibromoethane
 Concen: 27.104 ug/L
 RT: 11.09 min Scan# 1520
 Delta R.T. -0.01 min
 Lab File: VY003830.D
 Acq: 22 Dec 2020 09:59

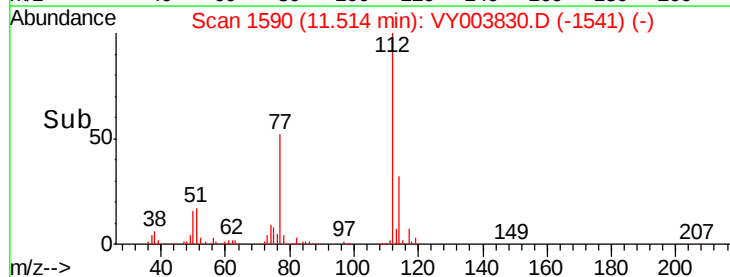
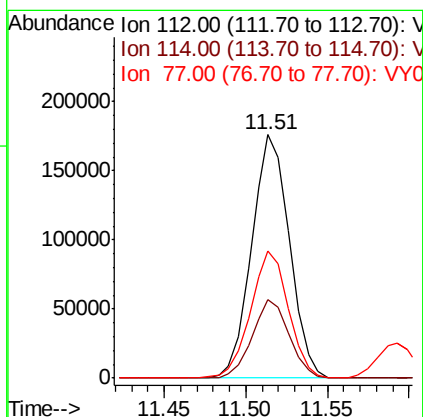
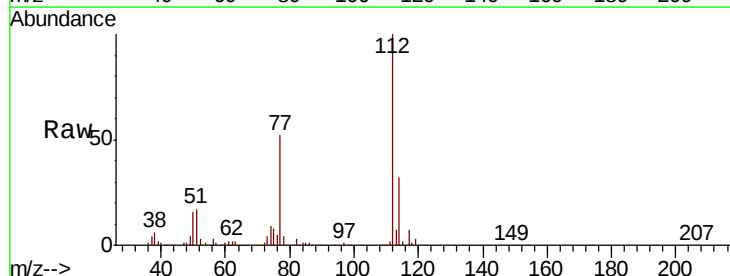
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025414

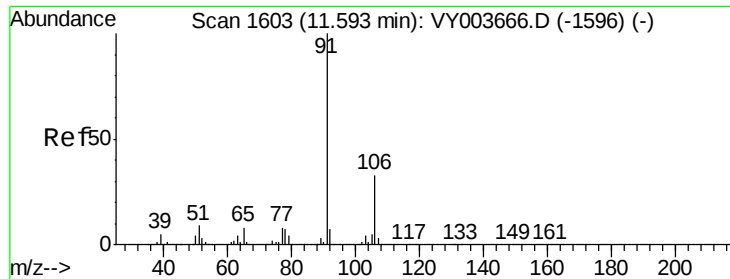
Tot Ion:107 Resp: 84025
 Ion Ratio Lower Upper
 107 100
 109 93.9 61.9 114.9
 188 3.7 2.1 3.1#



#51
 Chlorobenzene
 Concen: 27.237 ug/L
 RT: 11.51 min Scan# 1590
 Delta R.T. -0.00 min
 Lab File: VY003830.D
 Acq: 22 Dec 2020 09:59

Tgt Ion:112 Resp: 282377
 Ion Ratio Lower Upper
 112 100
 114 32.1 22.0 40.8
 77 52.0 38.4 57.6





#52

Ethylbenzene

Concen: 27.523 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VY003830.D

Acq: 22 Dec 2020 09:59

Instrument :

MSVOA_Y

ClientSampleId :

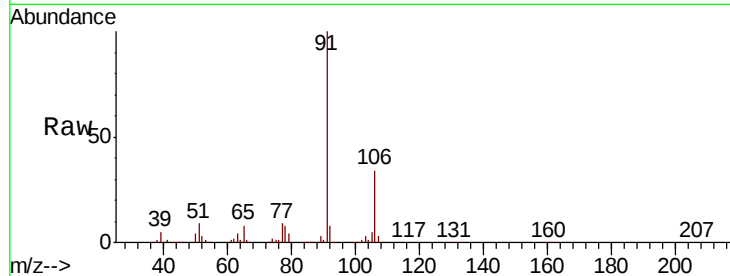
VSTD025414

Tot Ion: 91 Resp: 465726

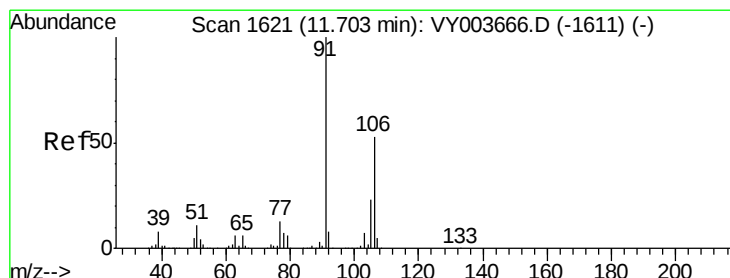
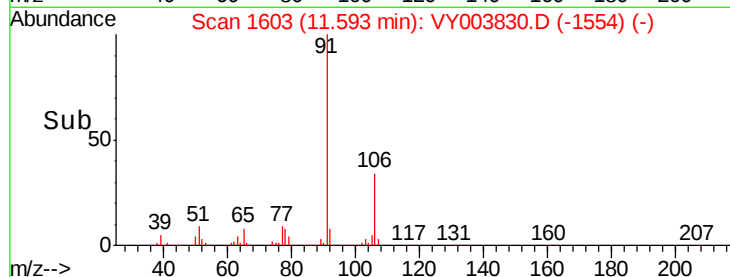
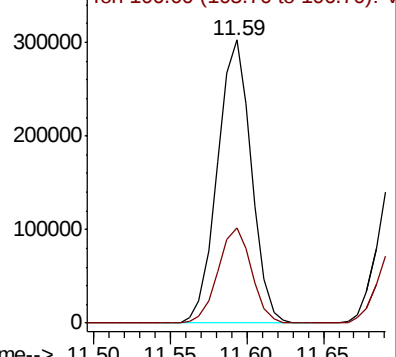
Ion Ratio Lower Upper

91 100

106 33.5 23.7 43.9



Abundance Ion 91.00 (90.70 to 91.70): VY003666.D (-1596) (-)



#53

m,p-Xylene

Concen: 27.961 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VY003830.D

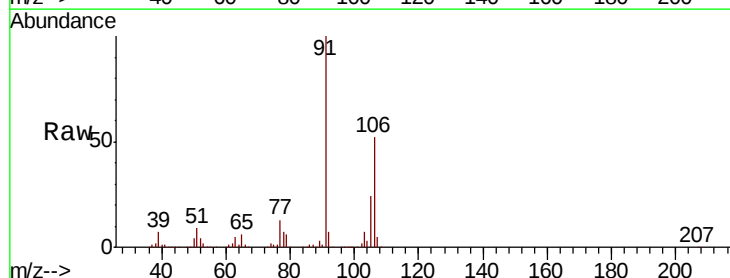
Acq: 22 Dec 2020 09:59

Tgt Ion: 106 Resp: 185021

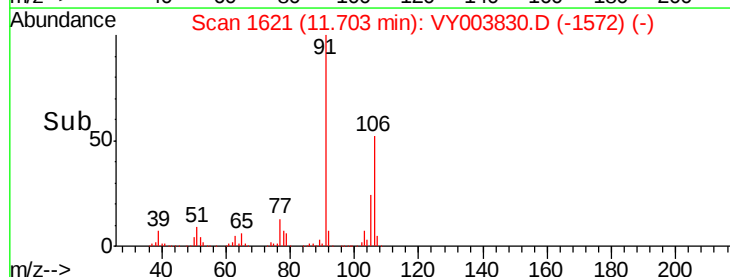
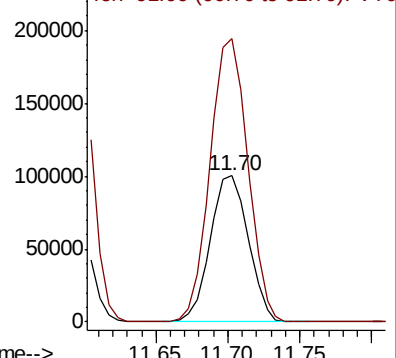
Ion Ratio Lower Upper

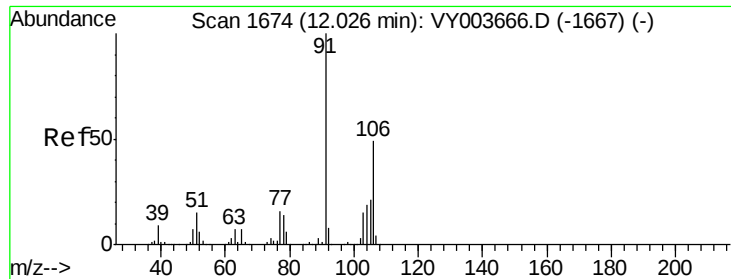
106 100

91 193.4 132.7 246.5



Abundance Ion 106.00 (105.70 to 106.70): VY003666.D (-1611) (-)





#54

o-Xylene

Concen: 27.838 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VY003830.D

Acq: 22 Dec 2020 09:59

Instrument :

MSVOA_Y

ClientSampleId :

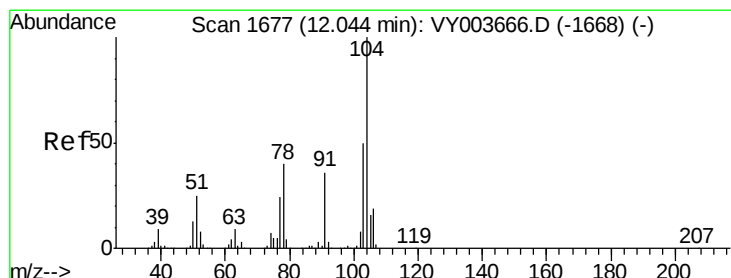
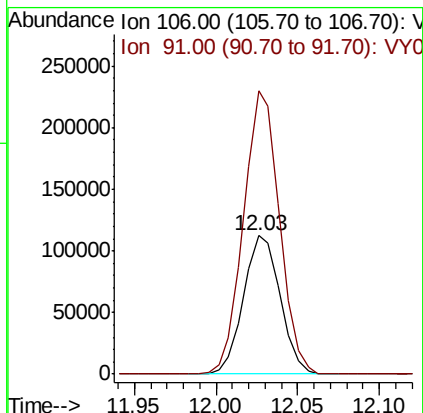
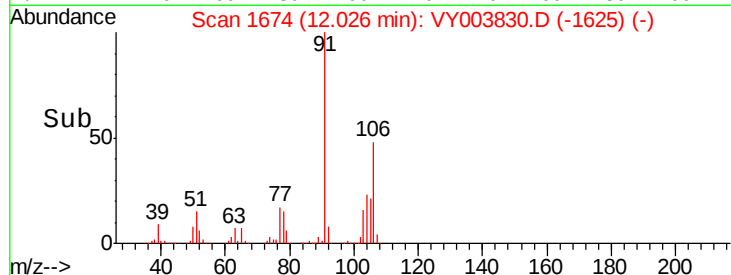
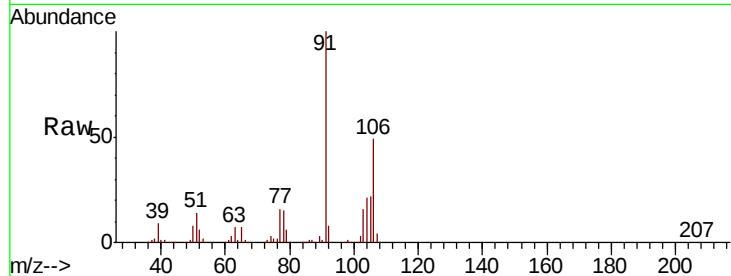
VSTD025414

Tot Ion:106 Resp: 176035

Ion Ratio Lower Upper

106 100

91 204.9 141.7 263.1



#55

Styrene

Concen: 28.210 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VY003830.D

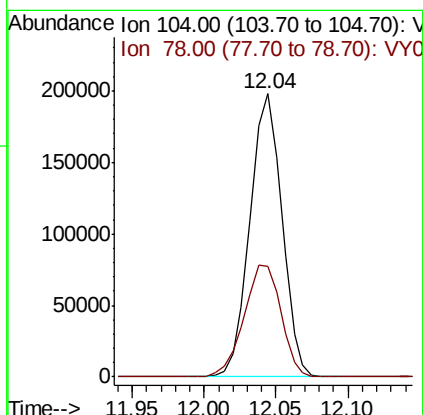
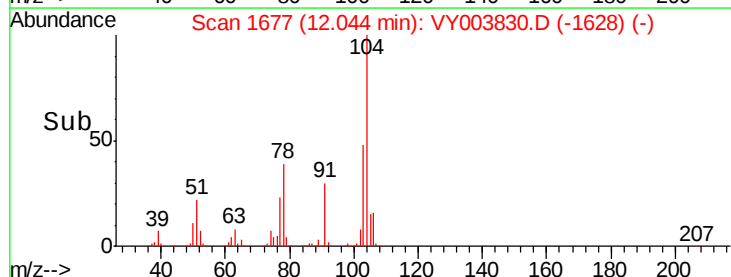
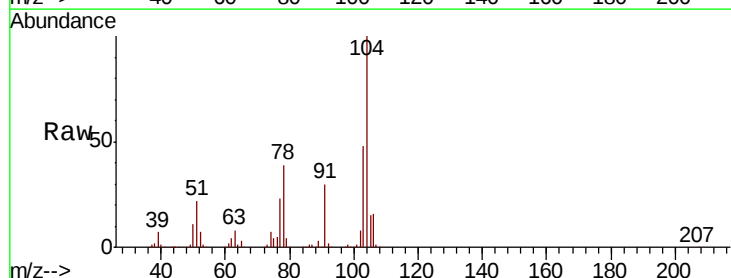
Acq: 22 Dec 2020 09:59

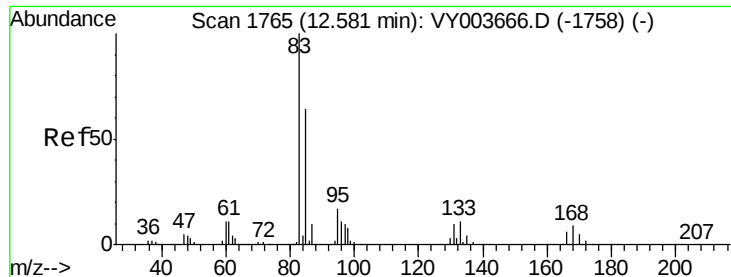
Tgt Ion:104 Resp: 304686

Ion Ratio Lower Upper

104 100

78 39.1 28.1 52.1

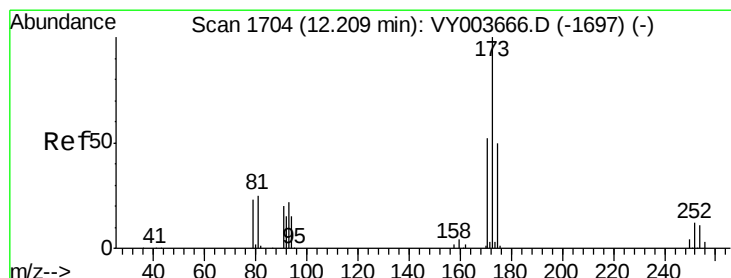
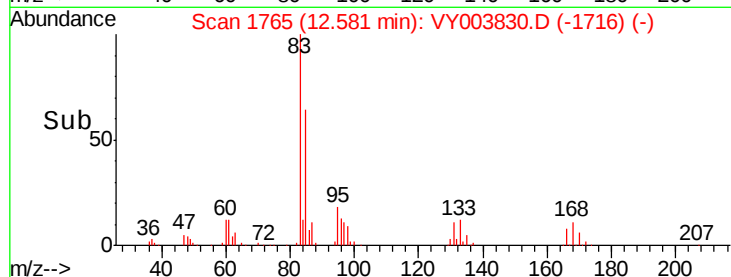
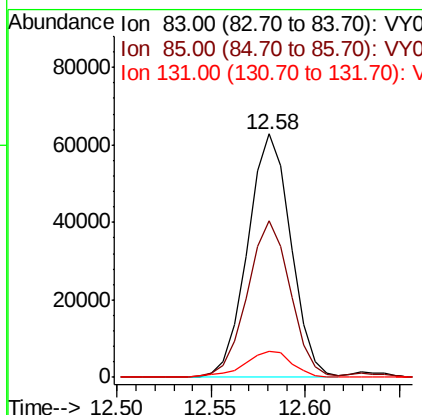
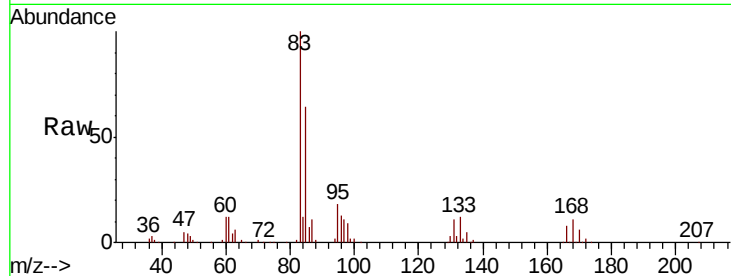




#57
 1,1,2,2-Tetrachloroethane
 Concen: 28.677 ug/L
 RT: 12.58 min Scan# 1765
 Delta R.T. -0.00 min
 Lab File: VY003830.D
 Acq: 22 Dec 2020 09:59

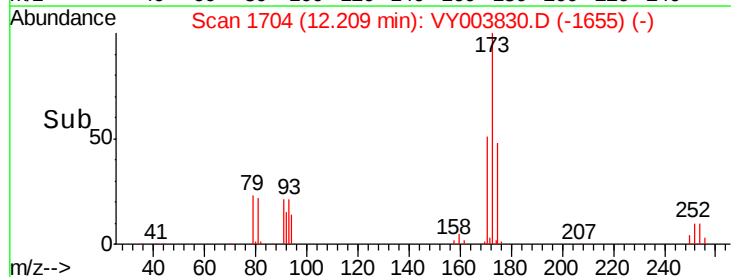
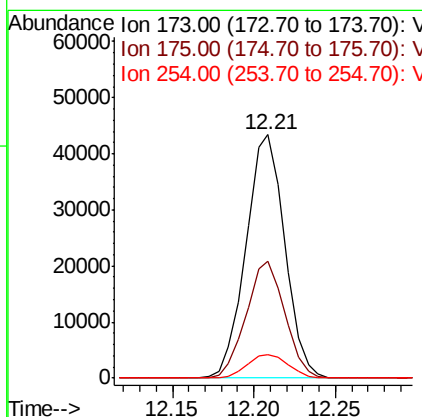
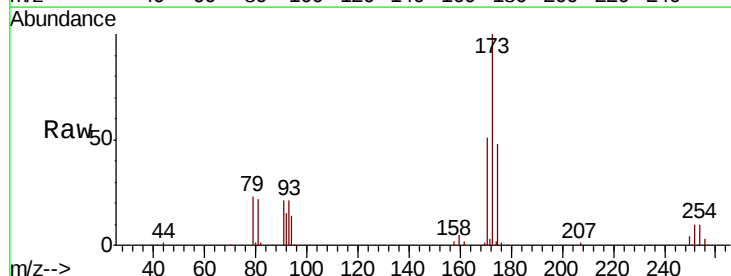
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025414

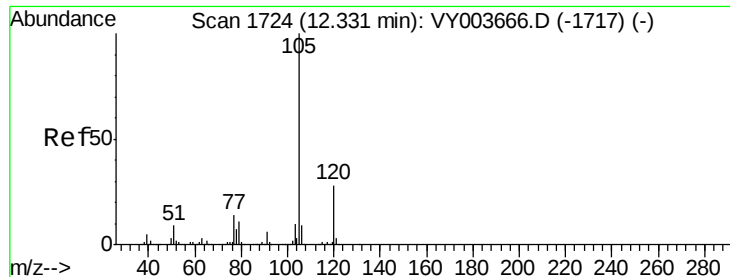
Tot Ion: 83 Resp: 99940
 Ion Ratio Lower Upper
 83 100
 85 64.5 46.4 86.2
 131 10.5 8.0 12.0



#59
 Bromoform
 Concen: 27.961 ug/L
 RT: 12.21 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VY003830.D
 Acq: 22 Dec 2020 09:59

Tgt Ion: 173 Resp: 71793
 Ion Ratio Lower Upper
 173 100
 175 47.9 41.2 61.8
 254 10.3 3.2 4.8#





#60

Isopropylbenzene

Concen: 27.880 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. -0.00 min

Lab File: VY003830.D

Acq: 22 Dec 2020 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025414

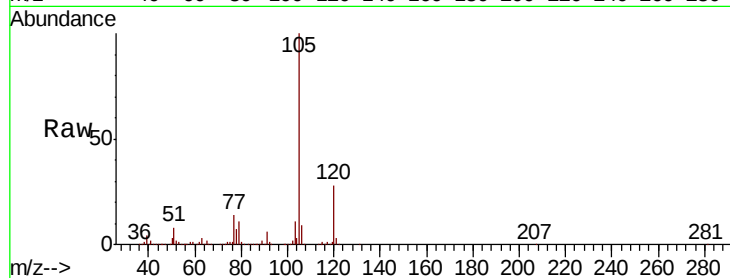
Tot Ion:105 Resp: 467165

Ion Ratio Lower Upper

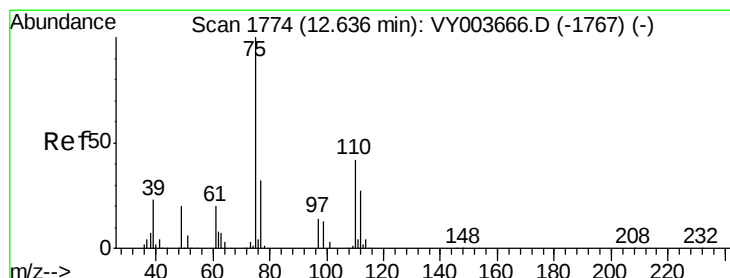
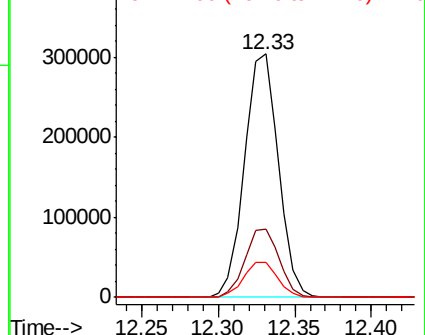
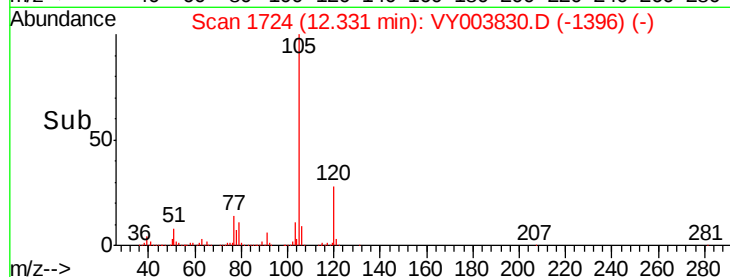
105 100

120 28.4 22.6 33.8

77 14.6 11.9 17.9



Abundance Ion 105.00 (104.70 to 105.70): VY003830.D (-1396) (-)



#61

1,2,3-Trichloropropane

Concen: 26.052 ug/L

RT: 12.64 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VY003830.D

Acq: 22 Dec 2020 09:59

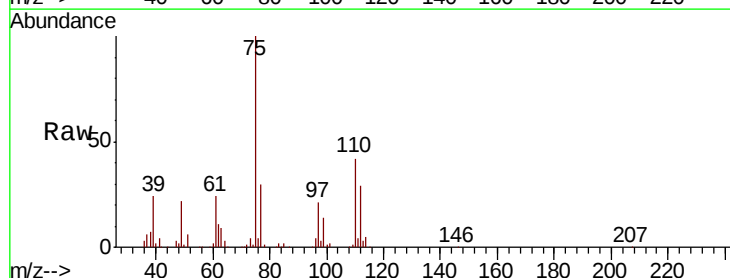
Tgt Ion: 75 Resp: 80072

Ion Ratio Lower Upper

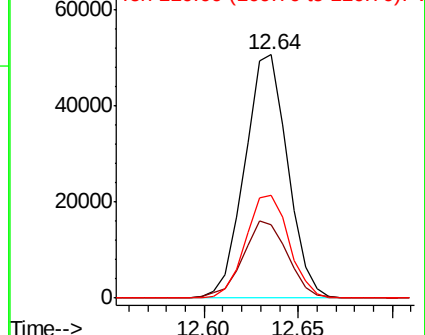
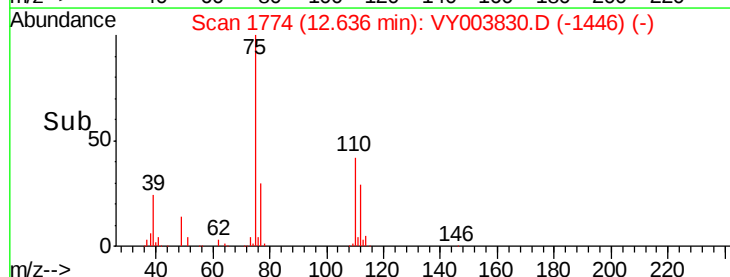
75 100

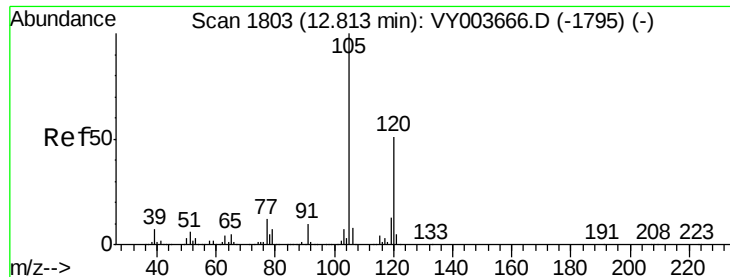
77 33.1 29.0 43.6

110 42.9 33.3 49.9



Abundance Ion 75.00 (74.70 to 75.70): VY003830.D (-1446) (-)





#62

1,3,5-Trimethylbenzene

Concen: 28.439 ug/L

RT: 12.81 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY003830.D

Acq: 22 Dec 2020 09:59

Instrument :

MSVOA_Y

ClientSampleId :

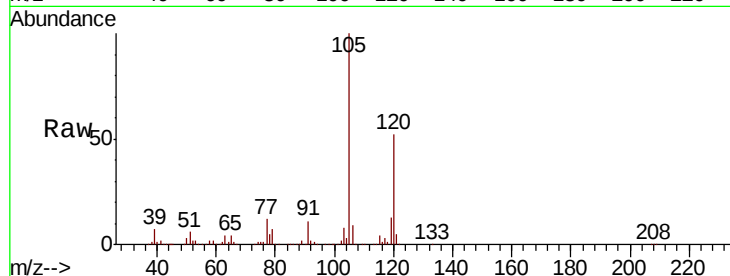
VSTD025414

Tot Ion:105 Resp: 377889

Ion Ratio Lower Upper

105 100

120 51.8 42.2 63.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

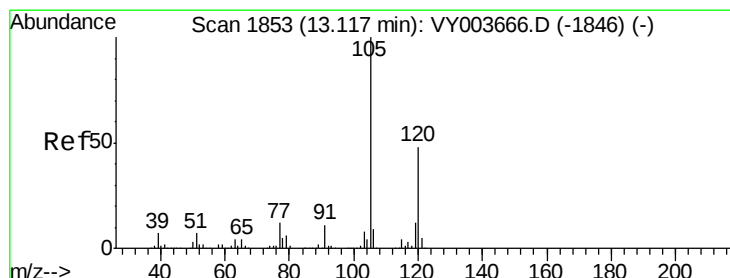
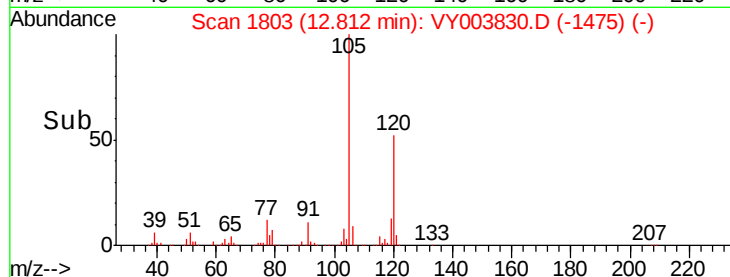
100000

50000

0

12.75 12.80 12.85

Time-->



#63

1,2,4-Trimethylbenzene

Concen: 28.460 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VY003830.D

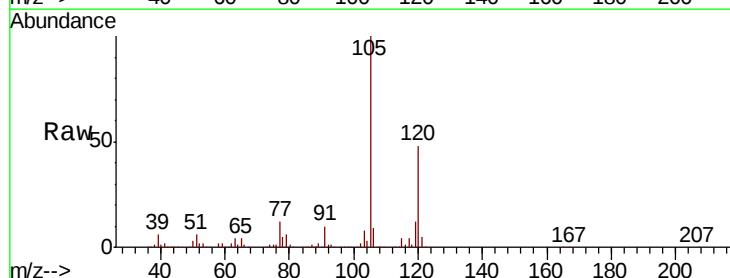
Acq: 22 Dec 2020 09:59

Tgt Ion:105 Resp: 375622

Ion Ratio Lower Upper

105 100

120 47.9 39.0 58.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

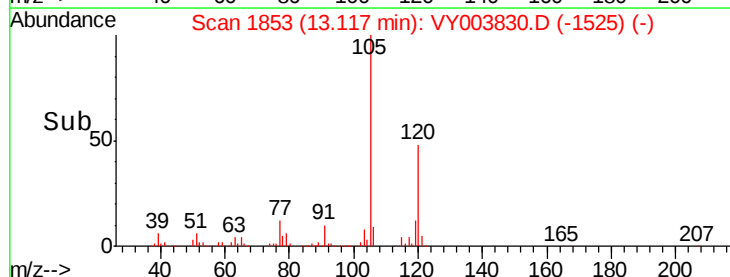
100000

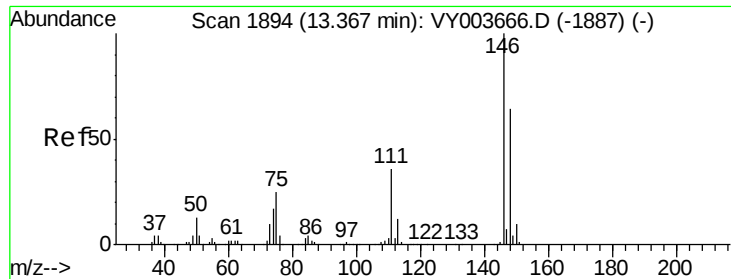
50000

0

13.05 13.10 13.15

Time-->





#64

1,3-Dichlorobenzene

Concen: 27.881 ug/L

RT: 13.37 min Scan# 1894

Delta R.T. -0.00 min

Lab File: VY003830.D

Acq: 22 Dec 2020 09:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025414

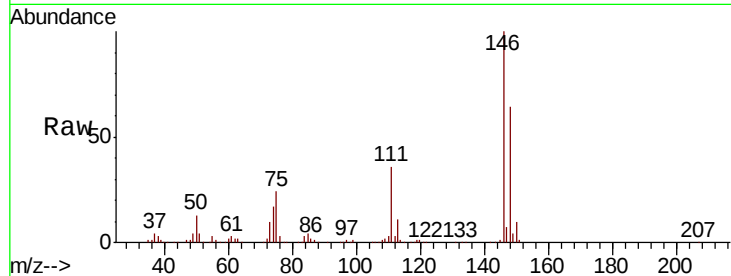
Tot Ion:146 Resp: 226448

Ion Ratio Lower Upper

146 100

111 35.9 25.3 47.1

148 63.6 41.4 76.8

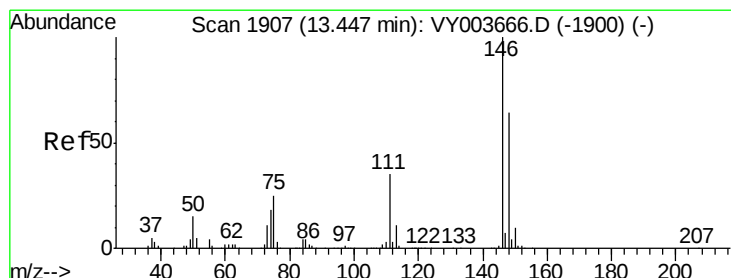
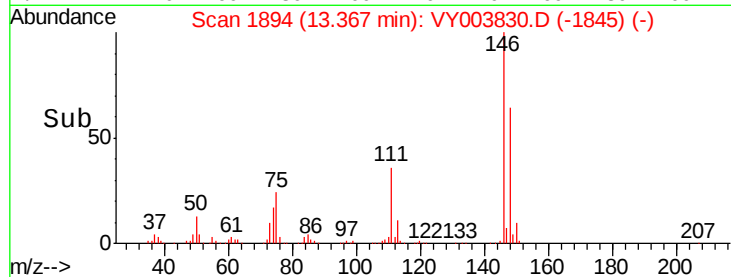
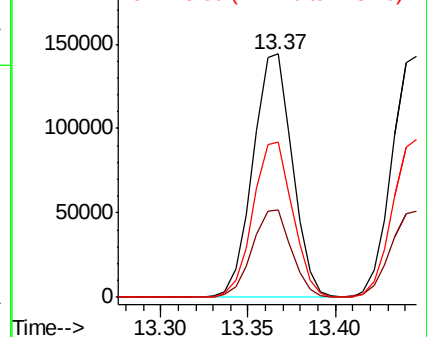


Abundance

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



#65

1,4-Dichlorobenzene

Concen: 27.302 ug/L

RT: 13.45 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY003830.D

Acq: 22 Dec 2020 09:59

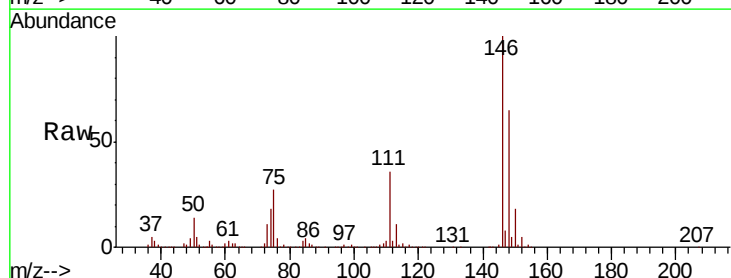
Tgt Ion:146 Resp: 224552

Ion Ratio Lower Upper

146 100

111 35.5 26.9 50.1

148 65.3 44.9 83.3

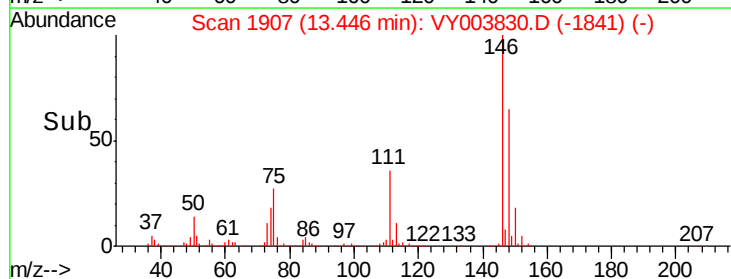
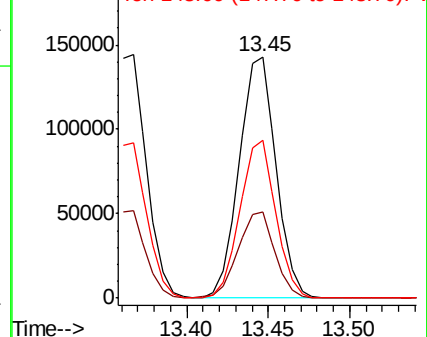


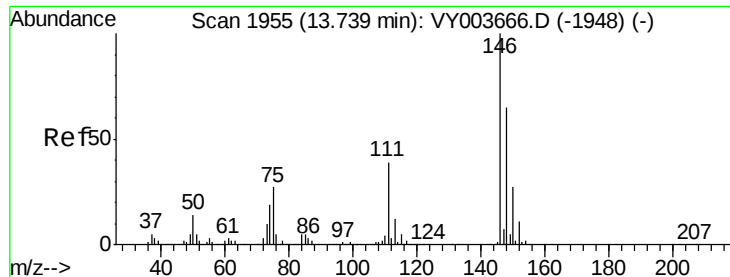
Abundance

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

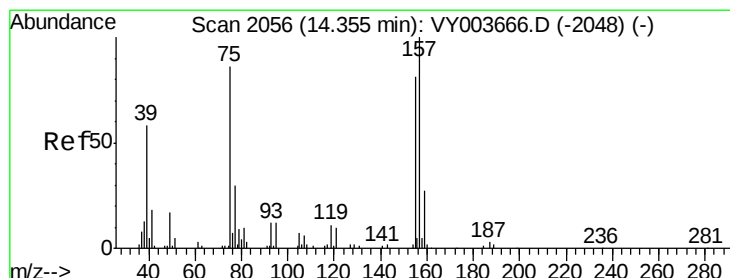
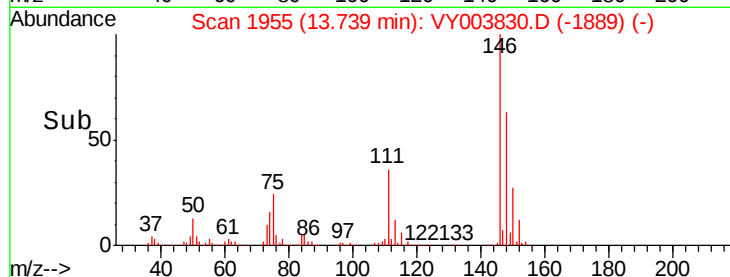
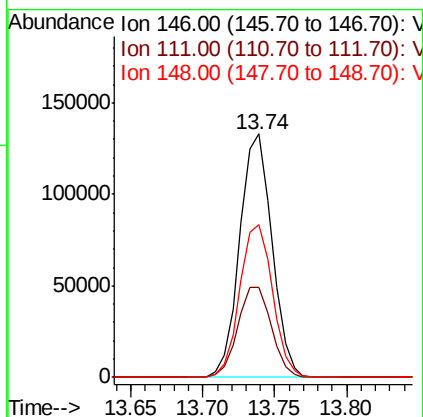
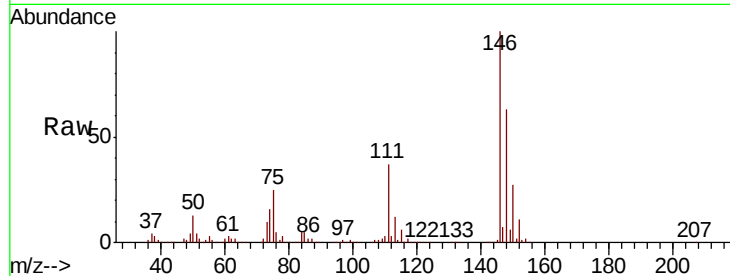




#67
 1,2-Dichlorobenzene
 Concen: 27.380 ug/L
 RT: 13.74 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VY003830.D
 Acq: 22 Dec 2020 09:59

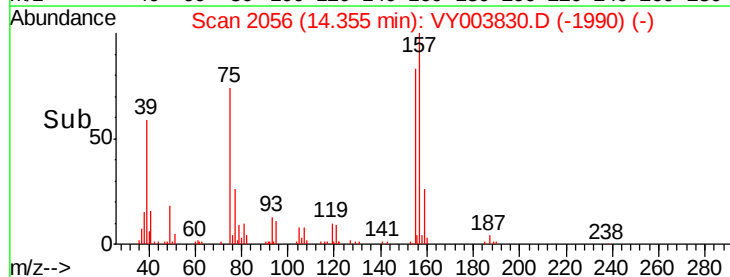
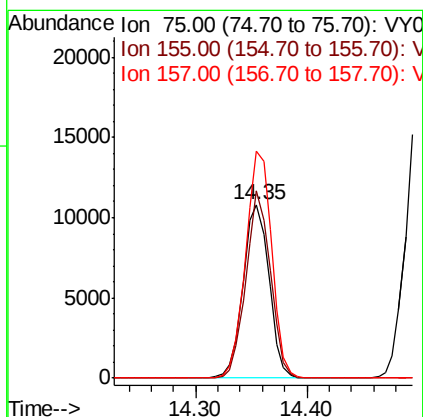
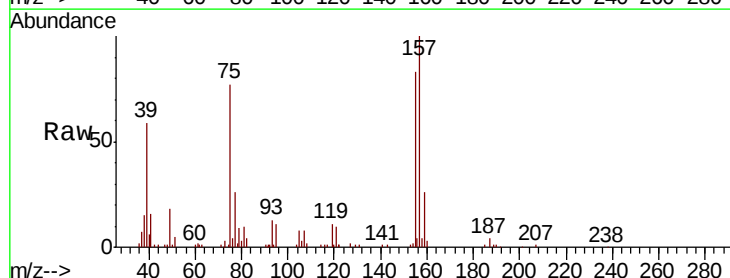
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025414

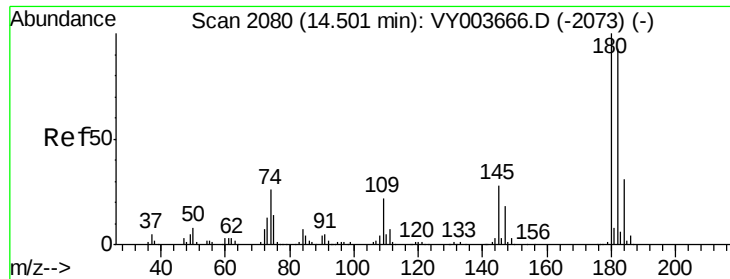
Tot Ion:146 Resp: 206814
 Ion Ratio Lower Upper
 146 100
 111 36.8 32.5 48.7
 148 62.7 48.8 73.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 26.009 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. -0.00 min
 Lab File: VY003830.D
 Acq: 22 Dec 2020 09:59

Tgt Ion: 75 Resp: 17561
 Ion Ratio Lower Upper
 75 100
 155 108.0 69.5 104.3#
 157 130.5 111.3 166.9

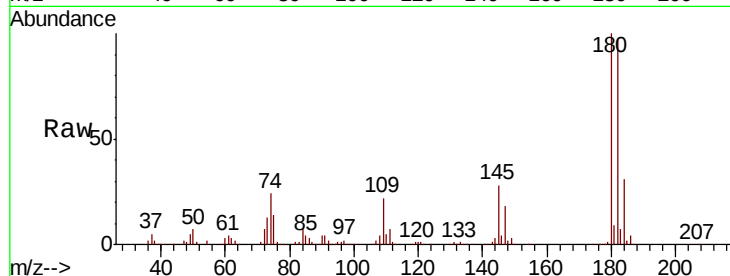




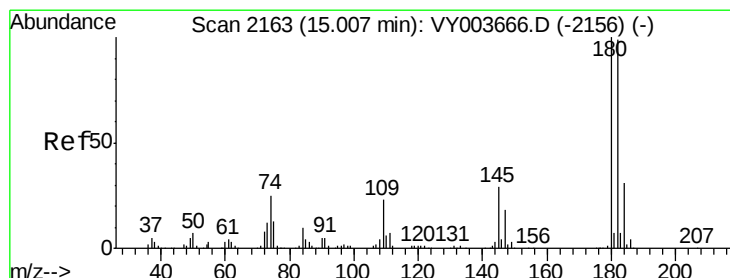
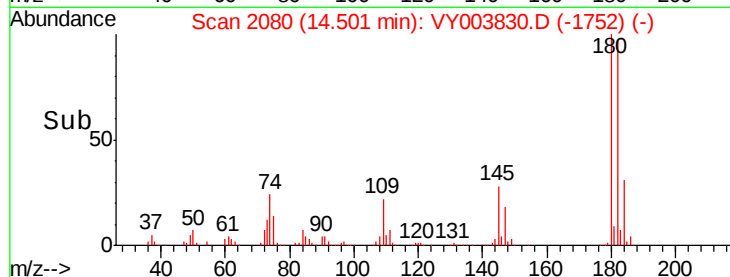
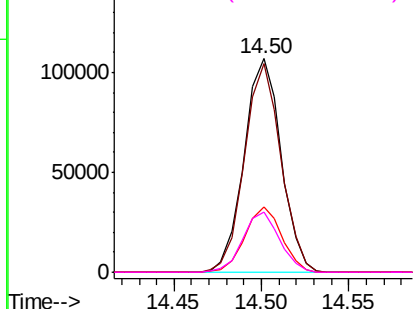
#69
 1,3,5-Trichlorobenzene
 Concen: 27.467 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VY003830.D
 Acq: 22 Dec 2020 09:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025414

Tot Ion:180	Resp:	158113
Ion Ratio	Lower	Upper
180	100	
182	95.8	80.1 120.1
184	30.4	24.4 36.6
145	27.8	22.9 34.3

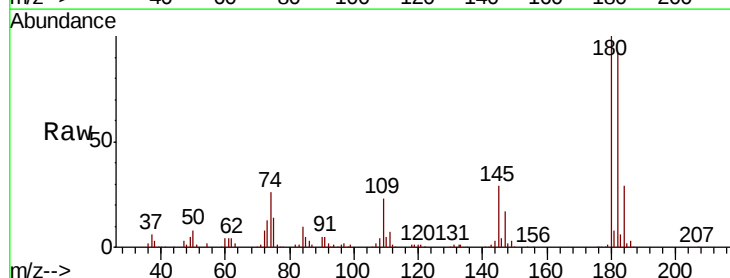


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

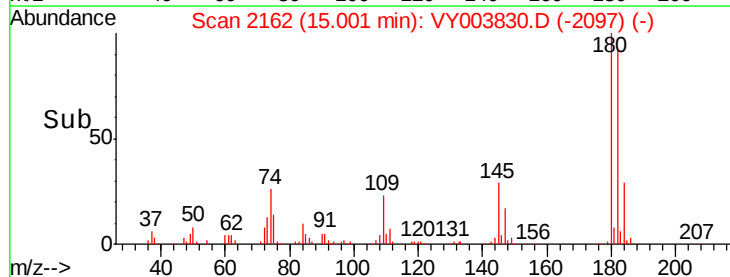
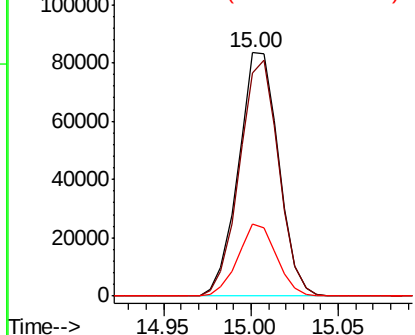


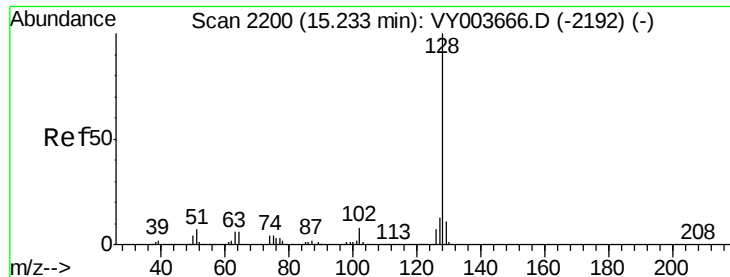
#70
 1,2,4-trichlorobenzene
 Concen: 27.330 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. -0.01 min
 Lab File: VY003830.D
 Acq: 22 Dec 2020 09:59

Tgt Ion:180	Resp:	133735
Ion Ratio	Lower	Upper
180	100	
182	94.8	81.5 122.3
145	28.5	22.3 33.5



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

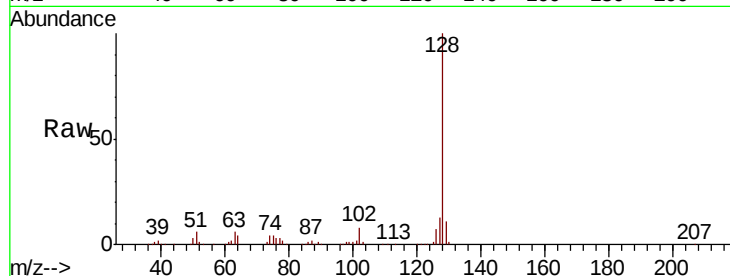




#71
Naphthalene
Concen: 26.701 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VY003830.D
Acq: 22 Dec 2020 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025414

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.4	9.4	14.0

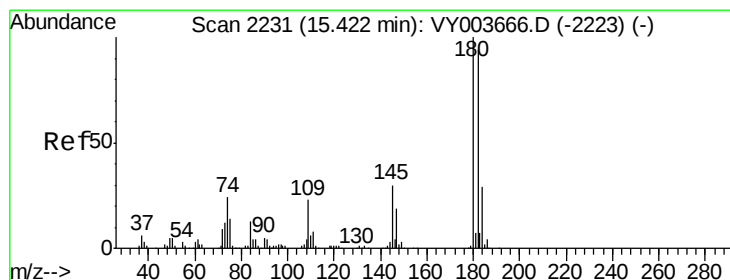
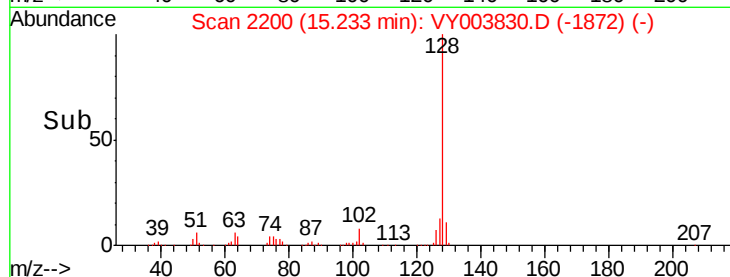
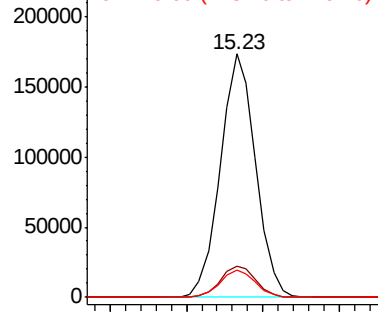


Abundance

Ion 128.00 (127.70 to 128.70): V

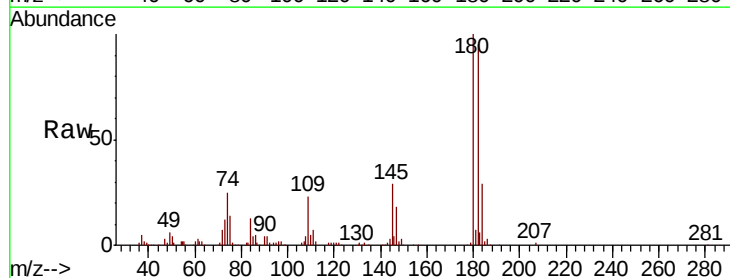
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 26.759 ug/L
RT: 15.42 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VY003830.D
Acq: 22 Dec 2020 09:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	78.7	118.1
145	30.0	24.6	37.0



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

