

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121020\
 Data File : VY003726.D
 Acq On : 10 Dec 2020 19:10
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02593

Quant Time: Dec 11 00:51:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 11 00:47:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	198222	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	194450	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	104513	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	66407	23.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.76%
7) Chloroethane-d5	2.77	69	54098	25.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.32%
10) 1,1-Dichloroethene-d2	3.87	63	125501	23.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.16%
20) 2-Butanone-d5	6.90	46	43471	43.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.00%
24) Chloroform-d	7.49	84	135236	26.51	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.04%
26) 1,2-Dichloroethane-d4	8.15	65	76312	26.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.36%
29) Benzene-d6	8.12	84	284718	25.29	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.16%
33) 1,2-Dichloropropane-d6	9.12	67	82441	24.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.00%
37) Toluene-d8	10.18	98	267497	26.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.04%
38) trans-1,3-Dichloropropene-	10.44	79	41020	25.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.04%
39) 2-Hexanone-d5	10.79	63	38959	46.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.36%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	81333	27.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.60%
61) 1,2-Dichlorobenzene-d4	13.72	152	104033	27.40	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.91	85	58690	26.346	ug/L	100
3) Chloromethane	2.12	50	62250	25.749	ug/L	98
5) Vinyl chloride	2.26	62	67712	26.488	ug/L	98
6) Bromomethane	2.66	94	43318	26.207	ug/L	96
8) Chloroethane	2.80	64	42982	27.615	ug/L	95
9) Trichlorofluoromethane	3.14	101	107945	27.579	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	67465	26.814	ug/L	99
12) 1,1-Dichloroethene	3.89	96	63444	26.745	ug/L	86
13) Acetone	3.96	43	34424	46.992	ug/L	99
14) Carbon disulfide	4.20	76	203848	25.782	ug/L	99
15) Methyl Acetate	4.49	43	43782	23.753	ug/L	95
16) Methylene chloride	4.73	84	78448	22.539	ug/L	94
17) Methyl tert-butyl Ether	5.23	73	181317	26.965	ug/L	99
18) trans-1,2-Dichloroethene	5.23	96	70330	26.331	ug/L	97
19) 1,1-Dichloroethane	6.03	63	116138	25.900	ug/L	97
21) 2-Butanone	7.00	43	56710	43.841	ug/L	92
22) cis-1,2-Dichloroethene	7.00	96	76967	27.039	ug/L	96

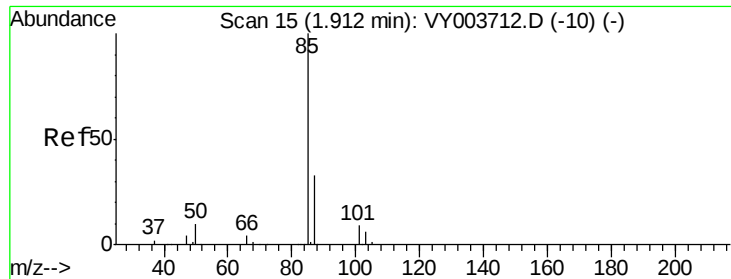
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121020\
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 Quant Title : VOC Analysis
 QLast Update : Fri Dec 11 00:47:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	39662	27.912	ug/L	87
25) Chloroform	7.51	83	123717	27.255	ug/L	100
27) 1,2-Dichloroethane	8.25	62	85616	27.885	ug/L	97
30) Cyclohexane	7.79	56	104222	24.879	ug/L	96
31) 1,1,1-Trichloroethane	7.71	97	111827	26.979	ug/L	99
32) Carbon tetrachloride	7.90	117	100330	27.268	ug/L	98
34) Benzene	8.17	78	295590	26.573	ug/L	100
35) Trichloroethene	8.95	95	76794	25.146	ug/L	99
36) Methylcyclohexane	9.18	83	124492	26.600	ug/L	98
40) 1,2-Dichloropropane	9.22	63	72539	26.001	ug/L	100
41) Bromodichloromethane	9.50	83	96405	27.198	ug/L	99
42) cis-1,3-Dichloropropene	9.93	75	117970	26.865	ug/L	97
43) 4-Methyl-2-pentanone	10.07	43	125698	47.967	ug/L	97
44) Toluene	10.25	91	323328	27.555	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	110402	27.276	ug/L	98
46) 1,1,2-Trichloroethane	10.65	97	63872	26.555	ug/L	97
47) Tetrachloroethene	10.72	164	66088	27.787	ug/L	94
49) 2-Hexanone	10.83	43	90918	49.367	ug/L	98
50) Dibromochloromethane	10.98	129	77894	27.672	ug/L	99
51) 1,2-Dibromoethane	11.09	107	62982	27.061	ug/L	98
52) Chlorobenzene	11.51	112	213831	27.691	ug/L	97
53) Ethylbenzene	11.59	91	352250	27.507	ug/L	99
54) m,p-Xylene	11.70	106	139632	28.265	ug/L	94
55) o-xylene	12.03	106	133199	28.104	ug/L	96
56) Styrene	12.04	104	235952	29.088	ug/L	100
57) Isopropylbenzene	12.33	105	351589	28.374	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	76247	29.567	ug/L	97
59) 1,2,3-Trichloropropane	12.64	75	62071	26.922	ug/L	100
62) Bromoform	12.21	173	54910	27.832	ug/L	99
63) 1,3-Dichlorobenzene	13.37	146	172450	27.746	ug/L	97
64) 1,4-Dichlorobenzene	13.45	146	174041	27.545	ug/L	99
65) 1,2-Dichlorobenzene	13.74	146	163367	28.650	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.35	75	13840	26.055	ug/L	99
67) 1,3,5-Trichlorobenzene	14.50	180	118489	26.966	ug/L	100
68) 1,2,4-trichlorobenzene	15.01	180	98028	26.151	ug/L	98
69) Naphthalene	15.23	128	212314	27.005	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	92456	27.001	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 26.346 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.01 min

Lab File: VY003726.D

Acq: 10 Dec 2020 19:10

Instrument :

MSVOA_Y

ClientSampleId :

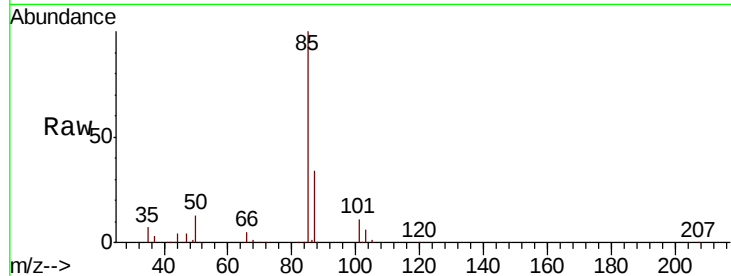
VSTD02593

Tot Ion: 85 Resp: 58690

Ion Ratio Lower Upper

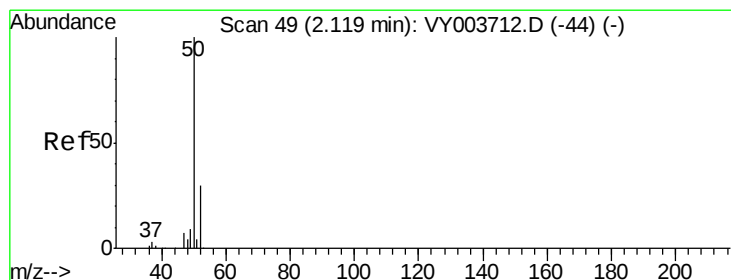
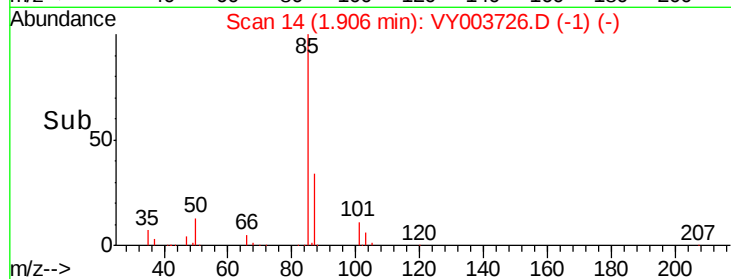
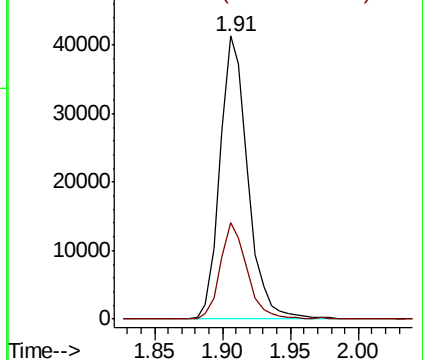
85 100

87 32.5 22.6 42.0



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 25.749 ug/L

RT: 2.12 min Scan# 49

Delta R.T. -0.00 min

Lab File: VY003726.D

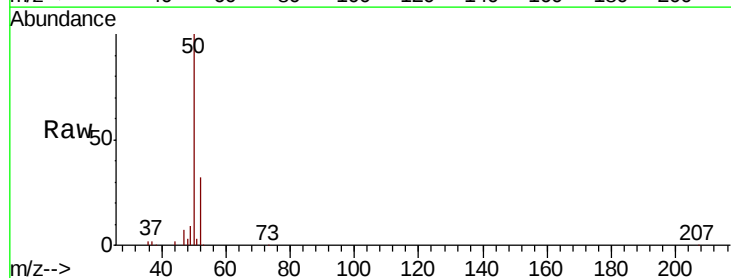
Acq: 10 Dec 2020 19:10

Tgt Ion: 50 Resp: 62250

Ion Ratio Lower Upper

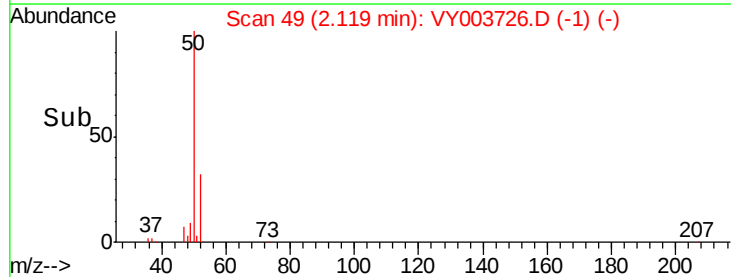
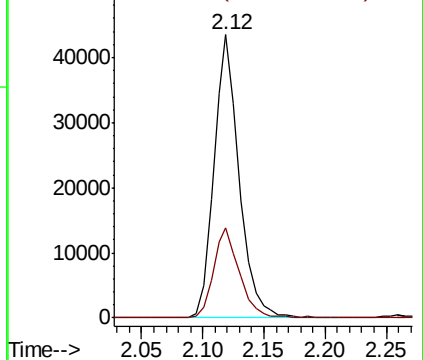
50 100

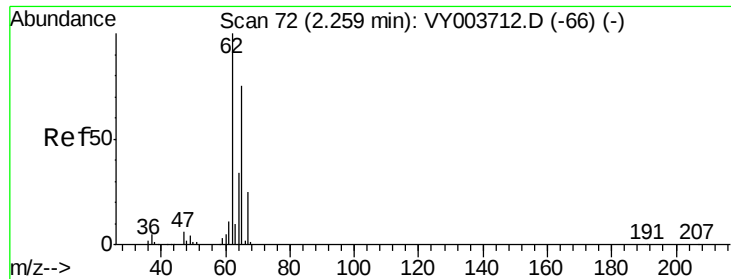
52 31.8 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 26.488 ug/L

RT: 2.26 min Scan# 72

Delta R.T. -0.00 min

Lab File: VY003726.D

Acq: 10 Dec 2020 19:10

Instrument :

MSVOA_Y

ClientSampleId :

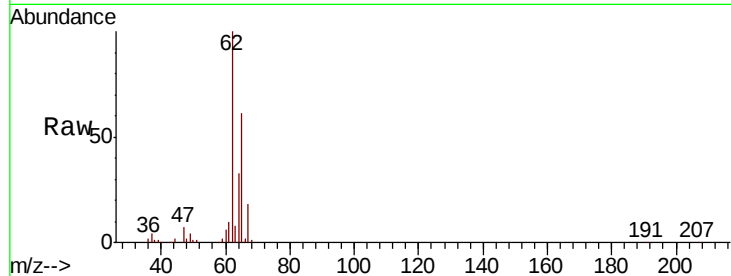
VSTD02593

Tot Ion: 62 Resp: 67712

Ion Ratio Lower Upper

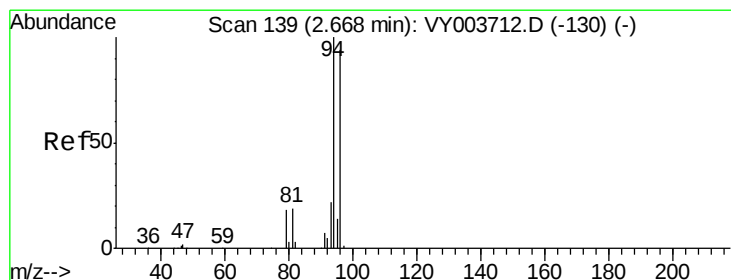
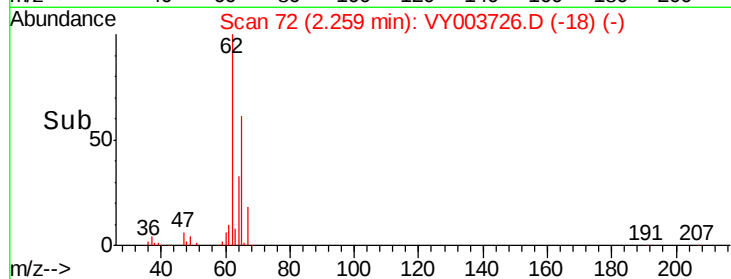
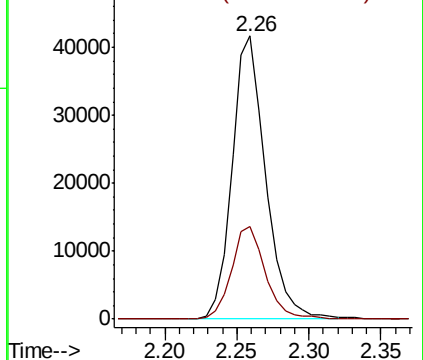
62 100

64 32.9 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 26.207 ug/L

RT: 2.66 min Scan# 138

Delta R.T. -0.01 min

Lab File: VY003726.D

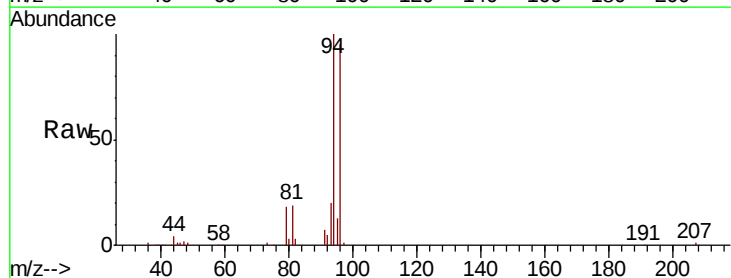
Acq: 10 Dec 2020 19:10

Tgt Ion: 94 Resp: 43318

Ion Ratio Lower Upper

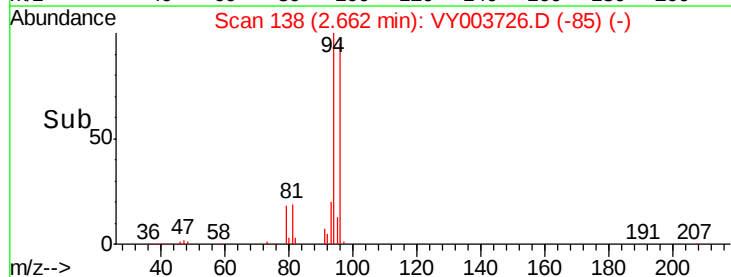
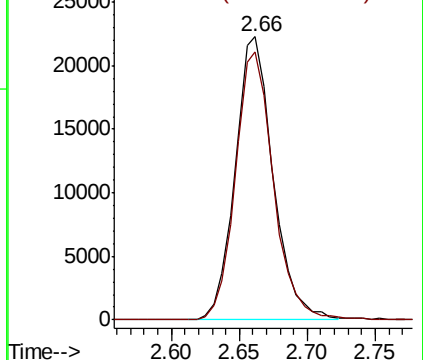
94 100

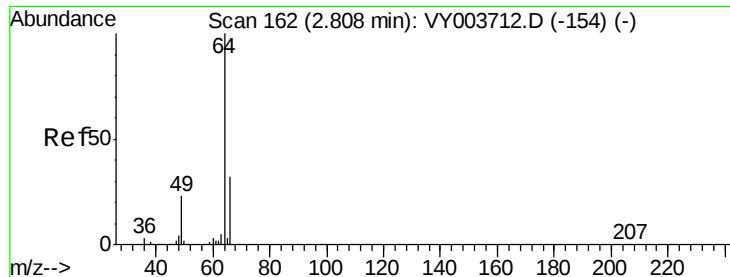
96 95.5 9.2 174.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 27.615 ug/L

RT: 2.80 min Scan# 161

Delta R.T. -0.01 min

Lab File: VY003726.D

Acq: 10 Dec 2020 19:10

Instrument :

MSVOA_Y

ClientSampleId :

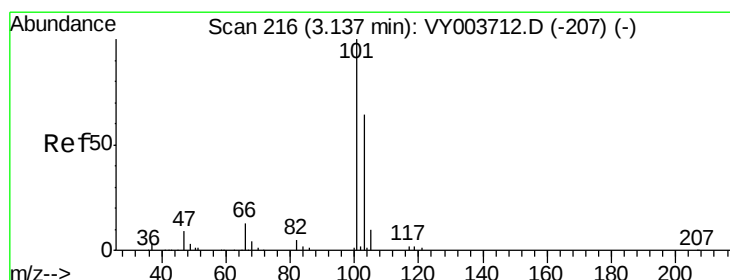
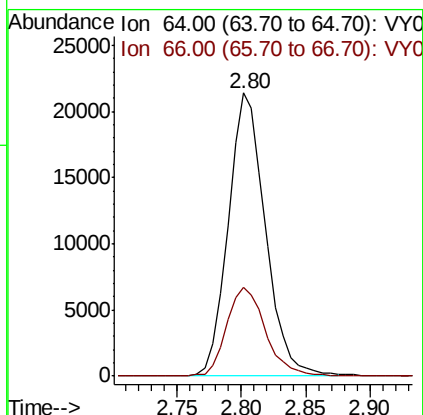
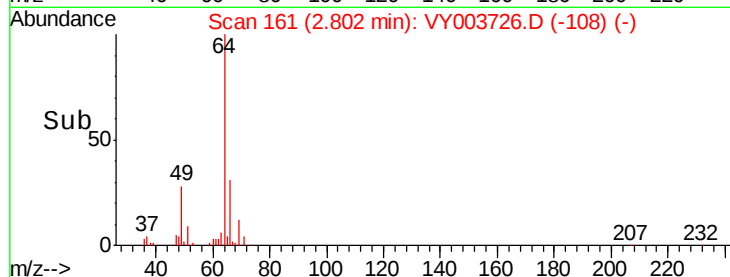
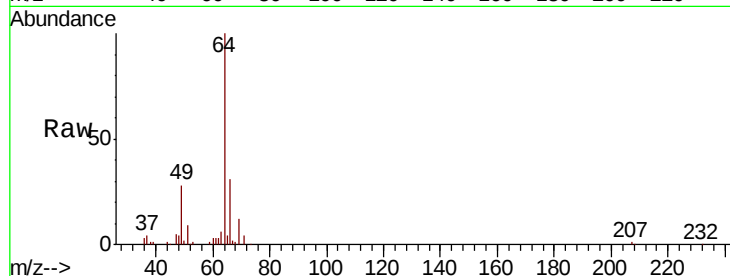
VSTD02593

Tot Ion: 64 Resp: 42982

Ion Ratio Lower Upper

64 100

66 31.4 23.8 44.2



#9

Trichlorofluoromethane

Concen: 27.579 ug/L

RT: 3.14 min Scan# 216

Delta R.T. -0.00 min

Lab File: VY003726.D

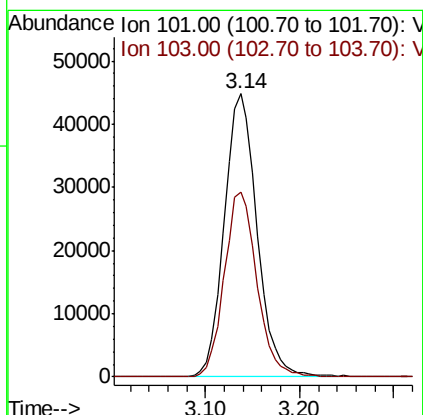
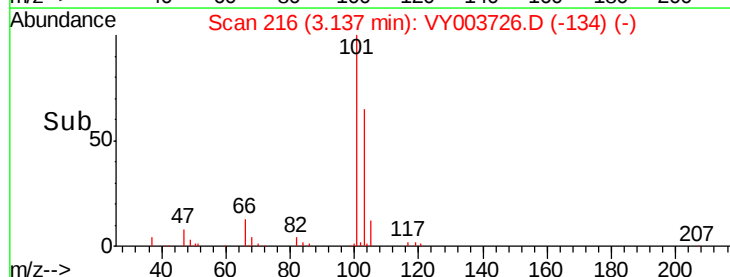
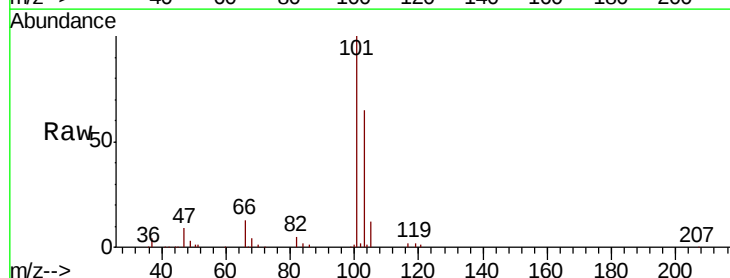
Acq: 10 Dec 2020 19:10

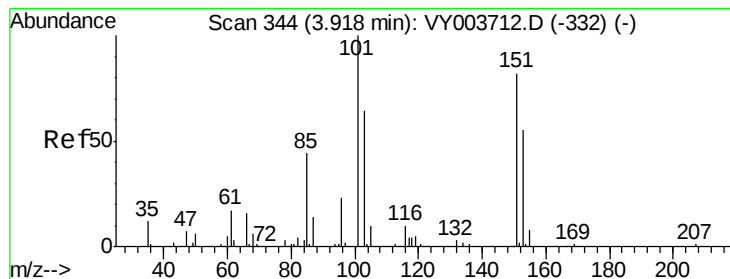
Tgt Ion: 101 Resp: 107945

Ion Ratio Lower Upper

101 100

103 65.1 45.1 83.7





#11

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

Concen: 26.814 ug/L

RT: 3.91 min Scan# 343

Delta R.T. -0.01 min

Lab File: VY003726.D

Acq: 10 Dec 2020 19:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02593

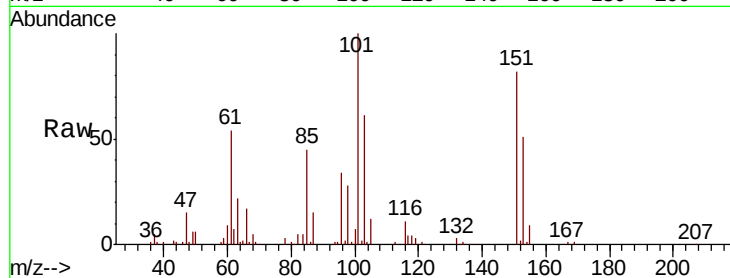
Tot Ion:101 Resp: 67465

Ion Ratio Lower Upper

101 100

85 43.7 33.9 50.9

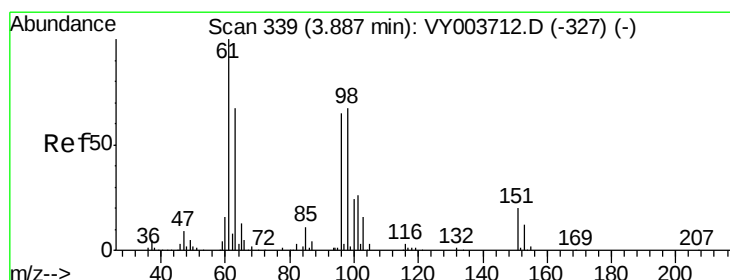
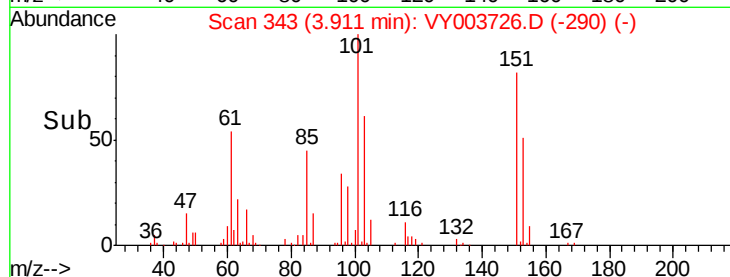
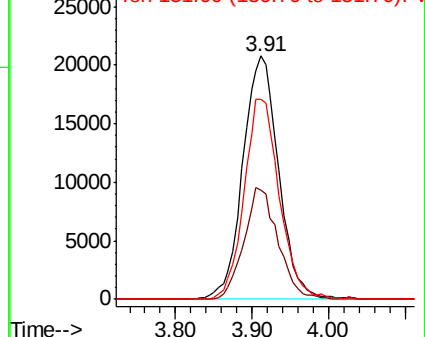
151 81.2 65.0 97.4



Abundance Ion 101.00 (100.70 to 101.70): VY003712.D (-332) (-)

Ion 85.00 (84.70 to 85.70): VY003712.D (-332) (-)

Ion 151.00 (150.70 to 151.70): VY003712.D (-332) (-)



#12

1,1-Dichloroethene

Concen: 26.745 ug/L

RT: 3.89 min Scan# 339

Delta R.T. -0.00 min

Lab File: VY003726.D

Acq: 10 Dec 2020 19:10

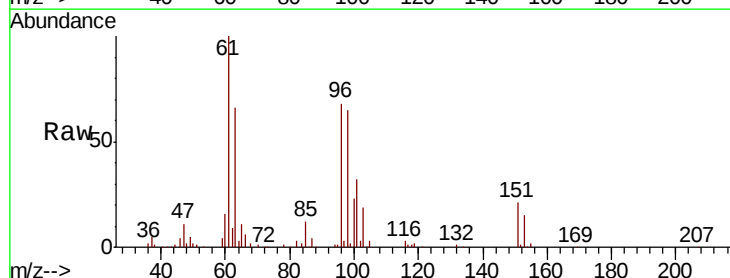
Tgt Ion: 96 Resp: 63444

Ion Ratio Lower Upper

96 100

61 146.8 108.5 201.5

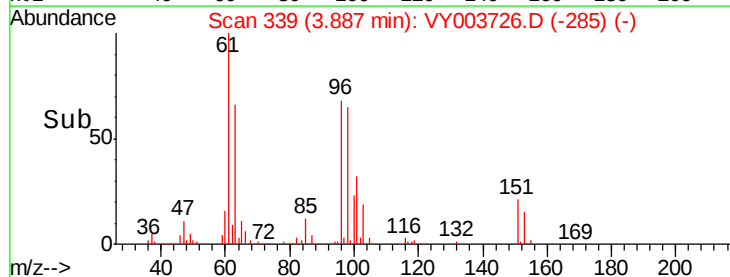
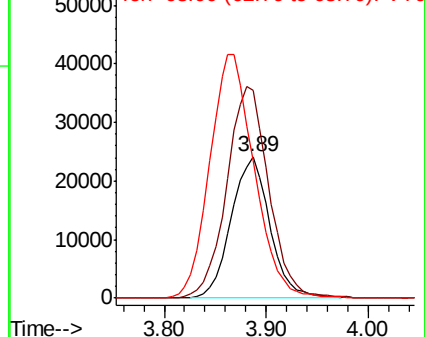
63 97.4 87.8 163.0

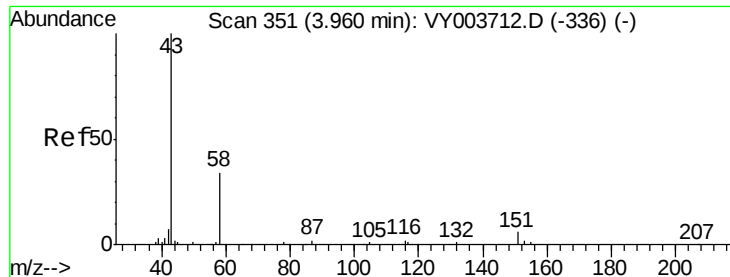


Abundance Ion 96.00 (95.70 to 96.70): VY003712.D (-327) (-)

Ion 61.00 (60.70 to 61.70): VY003712.D (-327) (-)

Ion 63.00 (62.70 to 63.70): VY003712.D (-327) (-)





#13

Acetone

Concen: 46.992 ug/L

RT: 3.96 min Scan# 351

Delta R.T. -0.00 min

Lab File: VY003726.D

Acq: 10 Dec 2020 19:10

Instrument :

MSVOA_Y

ClientSampleId :

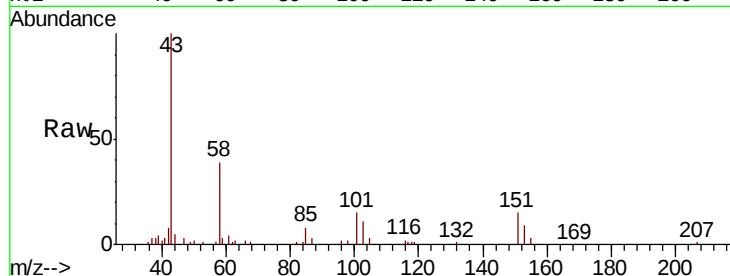
VSTD02593

Tot Ion: 43 Resp: 34424

Ion Ratio Lower Upper

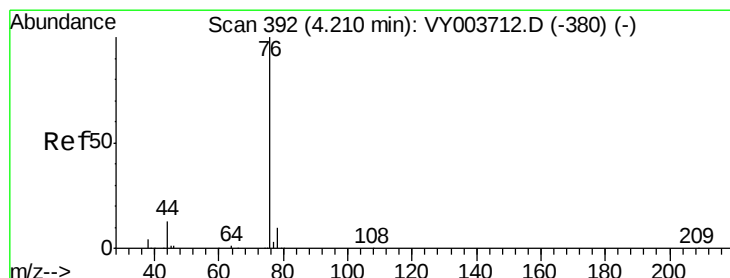
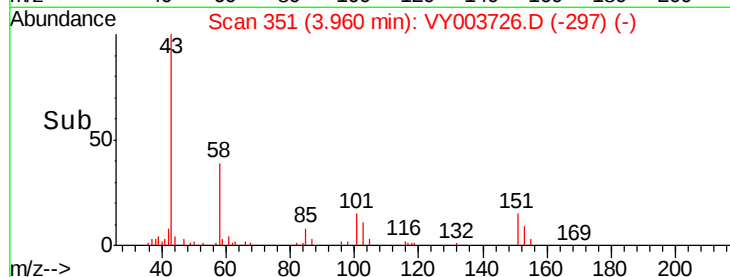
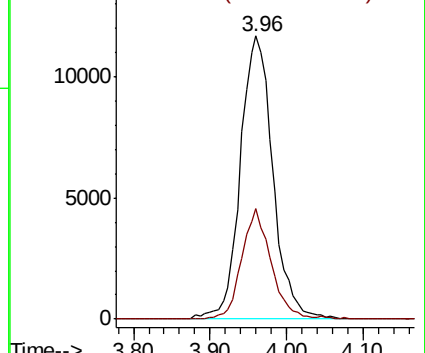
43 100

58 35.0 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 25.782 ug/L

RT: 4.20 min Scan# 391

Delta R.T. -0.01 min

Lab File: VY003726.D

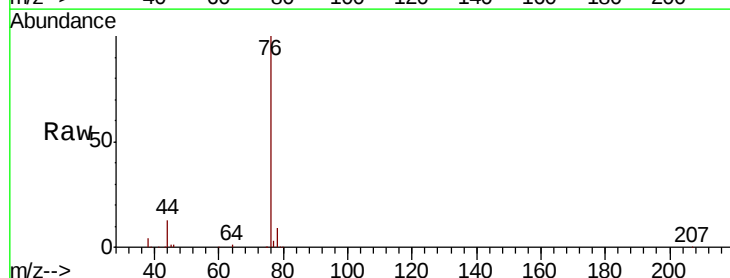
Acq: 10 Dec 2020 19:10

Tgt Ion: 76 Resp: 203848

Ion Ratio Lower Upper

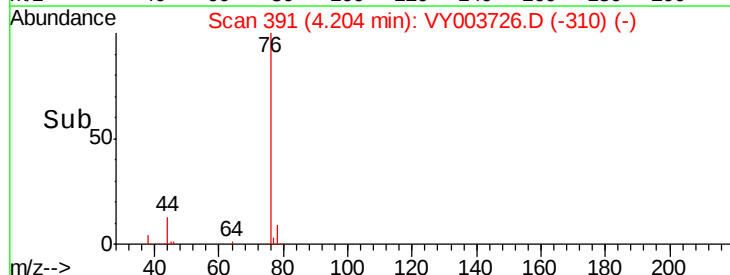
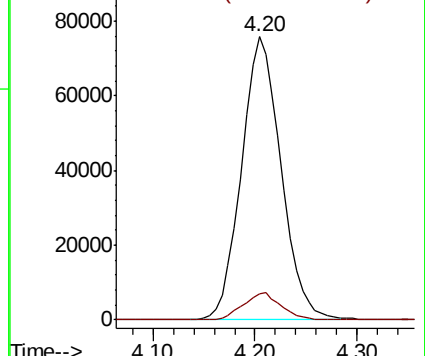
76 100

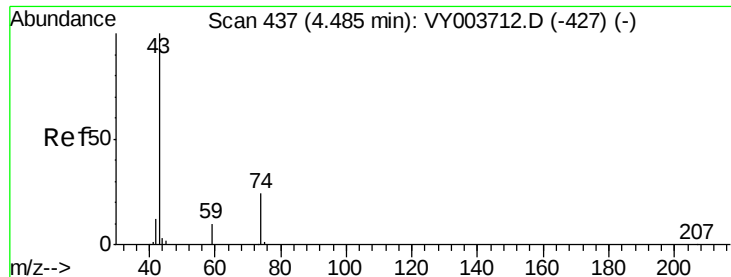
78 9.1 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

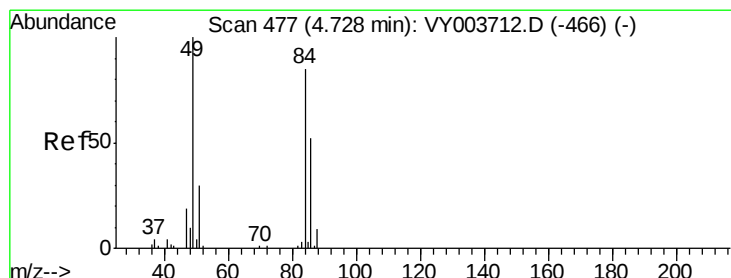
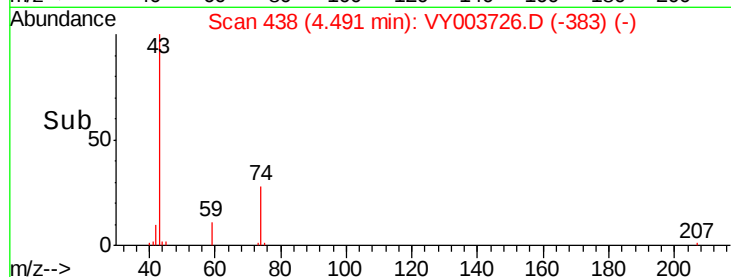
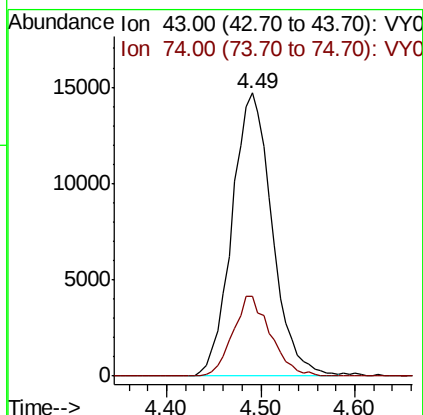
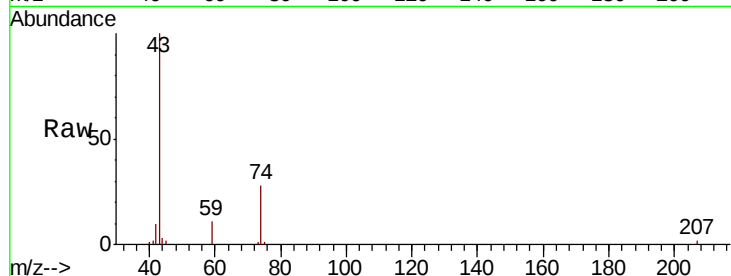




#15
Methyl Acetate
Concen: 23.753 ug/L
RT: 4.49 min Scan# 438
Delta R.T. 0.01 min
Lab File: VY003726.D
Acq: 10 Dec 2020 19:10

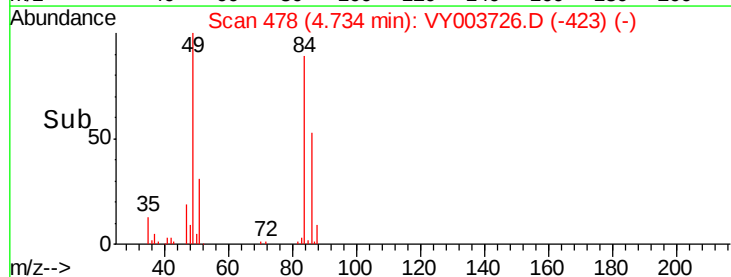
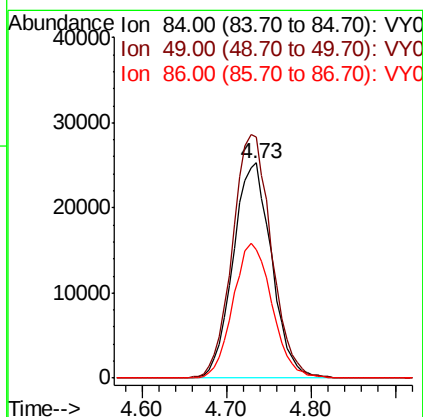
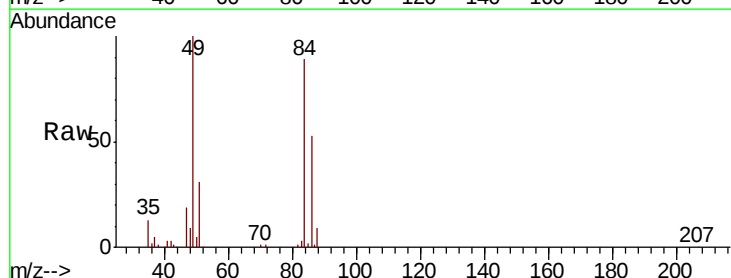
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02593

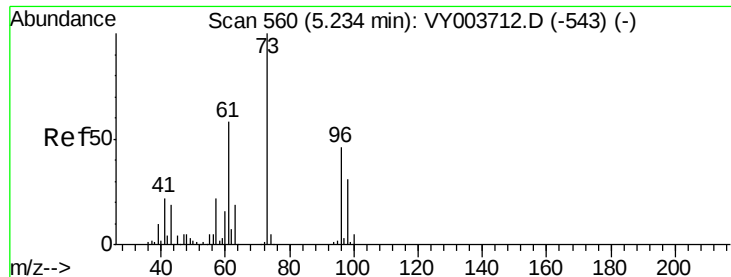
Tot Ion: 43 Resp: 43782
Ion Ratio Lower Upper
43 100
74 26.4 19.2 28.8



#16
Methylene chloride
Concen: 22.539 ug/L
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VY003726.D
Acq: 10 Dec 2020 19:10

Tgt Ion: 84 Resp: 78448
Ion Ratio Lower Upper
84 100
49 112.1 83.7 155.4
86 59.8 45.0 83.6



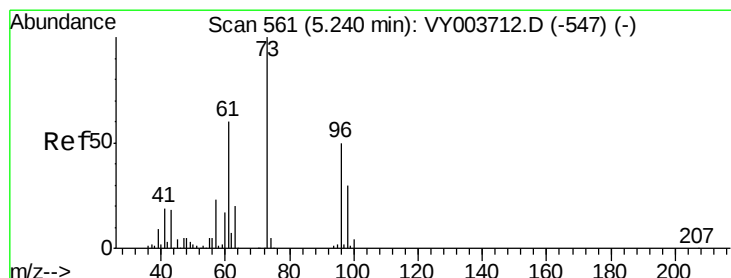
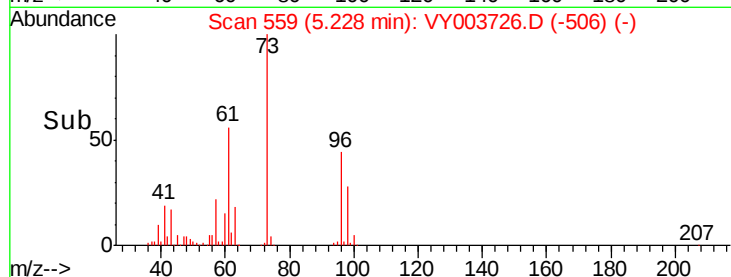
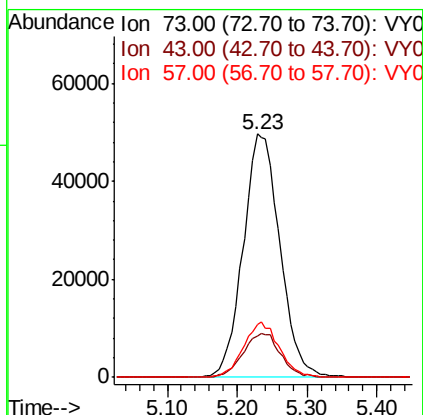
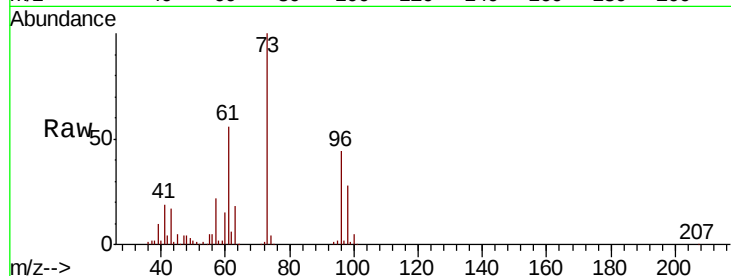


#17

Methvl tert-butvl Ether
 Concen: 26.965 ug/L
 RT: 5.23 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VY003726.D
 Acq: 10 Dec 2020 19:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02593

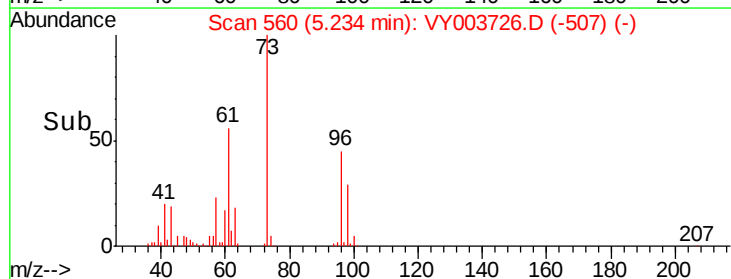
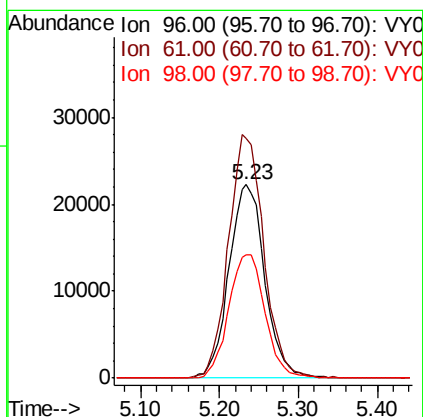
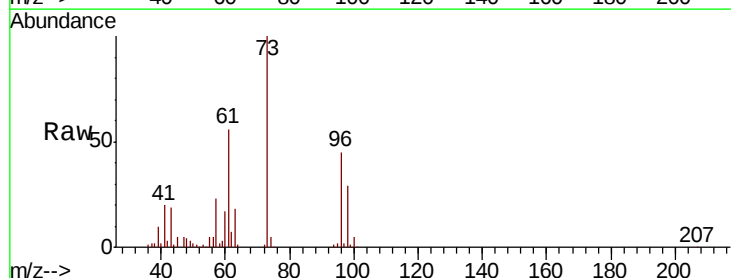
Tot Ion	Ratio	Lower	Upper
73	100		
43	18.4	14.9	22.3
57	21.8	18.1	27.1

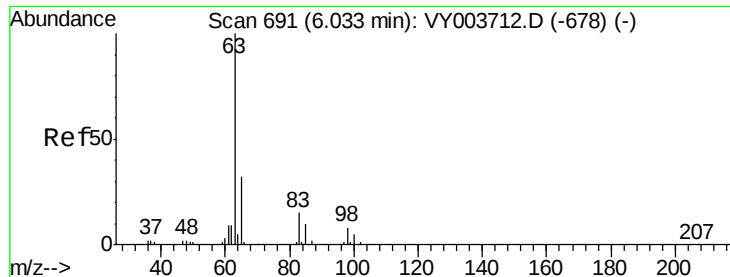


#18

trans-1,2-Dichloroethene
 Concen: 26.331 ug/L
 RT: 5.23 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VY003726.D
 Acq: 10 Dec 2020 19:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	124.1	90.8	168.6
98	63.7	44.2	82.0

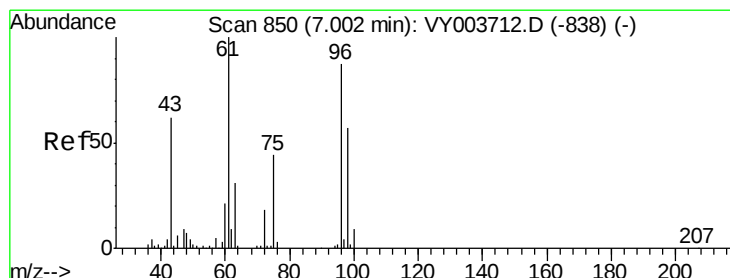
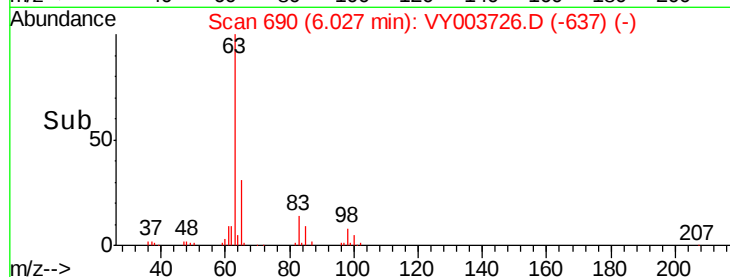
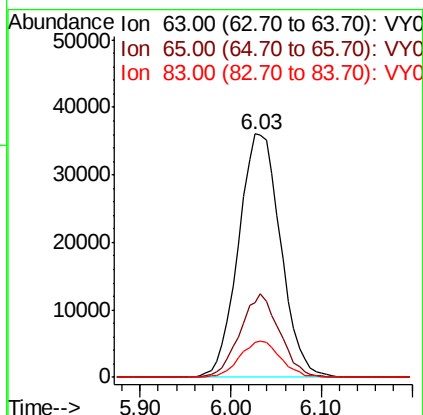
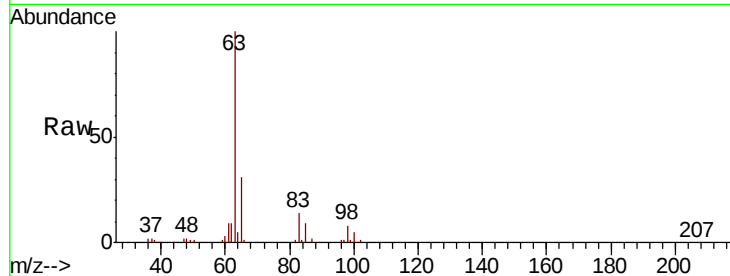




#19
 1,1-Dichloroethane
 Concen: 25.900 ug/L
 RT: 6.03 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VY003726.D
 Acq: 10 Dec 2020 19:10

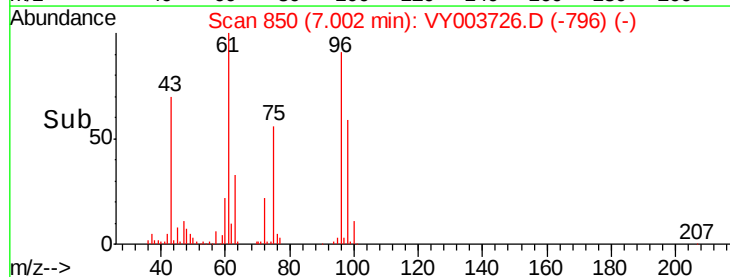
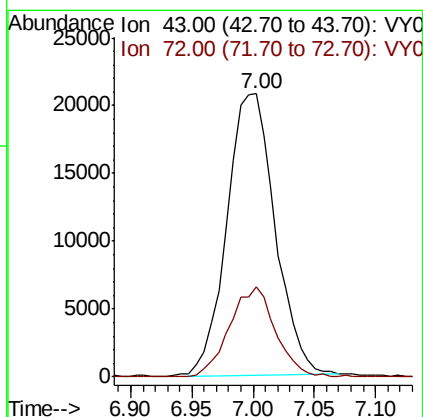
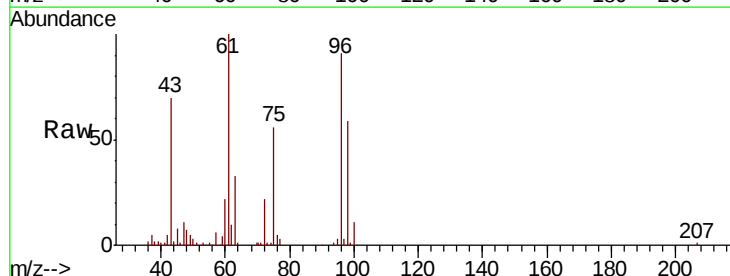
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02593

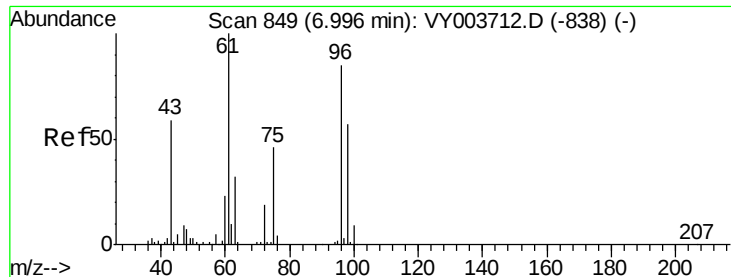
Tot Ion	63	Resp	116138
Ion Ratio	Lower	Upper	
63	100		
65	30.5	22.7	42.1
83	14.3	9.7	17.9



#21
 2-Butanone
 Concen: 43.841 ug/L
 RT: 7.00 min Scan# 850
 Delta R.T. -0.00 min
 Lab File: VY003726.D
 Acq: 10 Dec 2020 19:10

Tgt Ion	43	Resp	56710
Ion Ratio	Lower	Upper	
43	100		
72	30.5	13.3	39.9



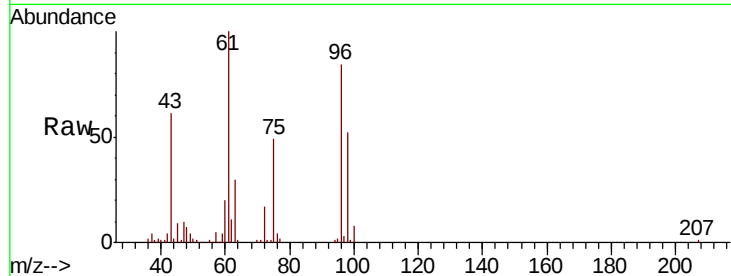


#22

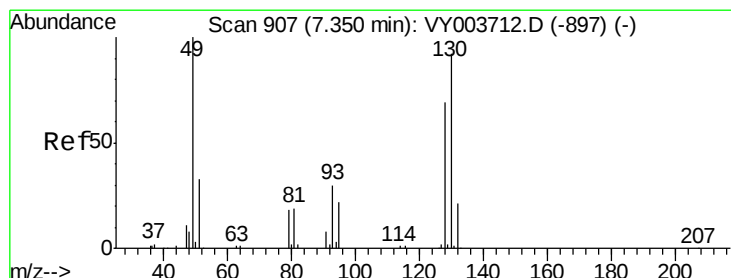
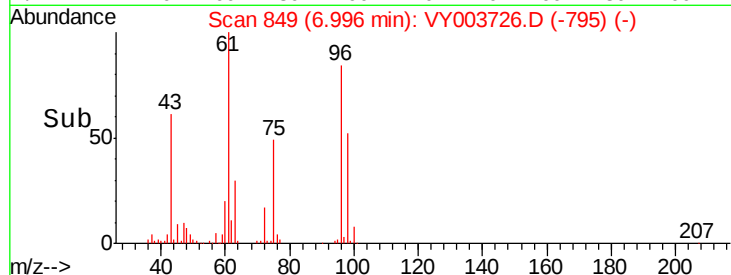
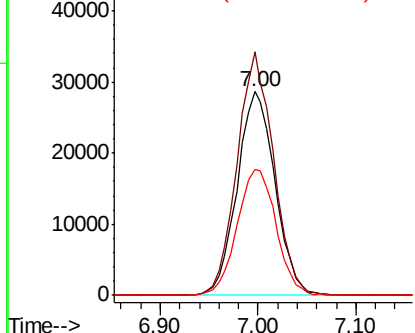
cis-1,2-Dichloroethene
Concen: 27.039 ug/L
RT: 7.00 min Scan# 849
Delta R.T. -0.00 min
Lab File: VY003726.D
Acq: 10 Dec 2020 19:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTD02593

Tot Ion: 96 Resp: 76967
Ion Ratio Lower Upper
96 100
61 119.5 85.8 159.4
98 61.5 46.5 86.3



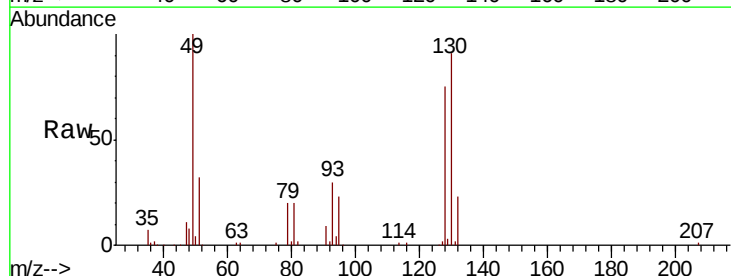
Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 98.00 (97.70 to 98.70): VY0



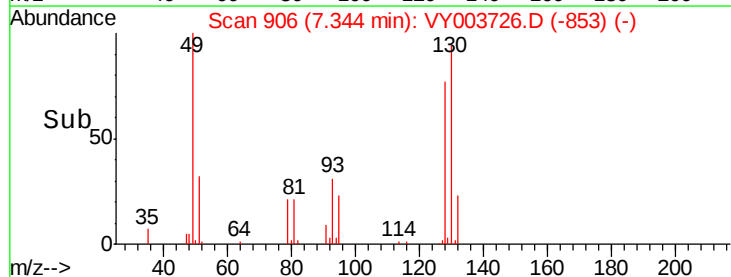
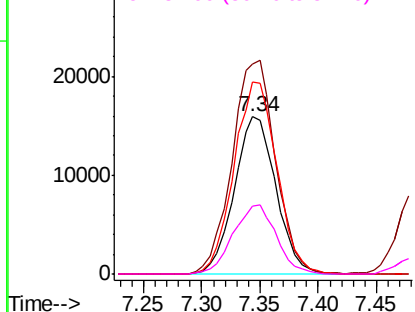
#23

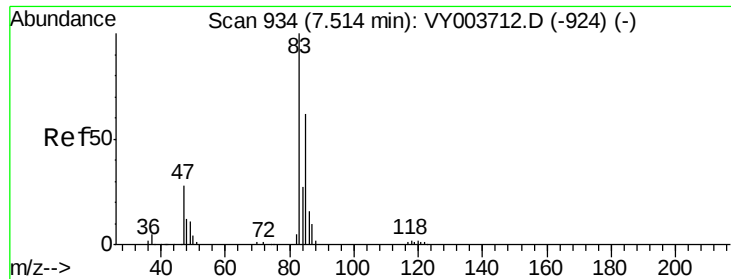
Bromochloromethane
Concen: 27.912 ug/L
RT: 7.34 min Scan# 906
Delta R.T. -0.01 min
Lab File: VY003726.D
Acq: 10 Dec 2020 19:10

Tgt Ion: 128 Resp: 39662
Ion Ratio Lower Upper
128 100
49 133.9 113.8 211.3
130 122.4 89.7 166.5
51 43.2 38.5 57.7



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: 27.255 ug/L

RT: 7.51 min Scan# 934

Delta R.T. -0.00 min

Lab File: VY003726.D

Acq: 10 Dec 2020 19:10

Instrument :

MSVOA_Y

ClientSampleId :

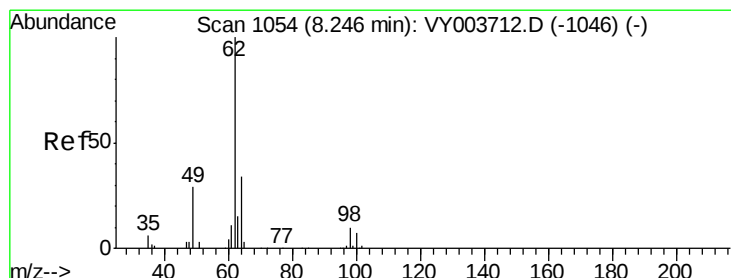
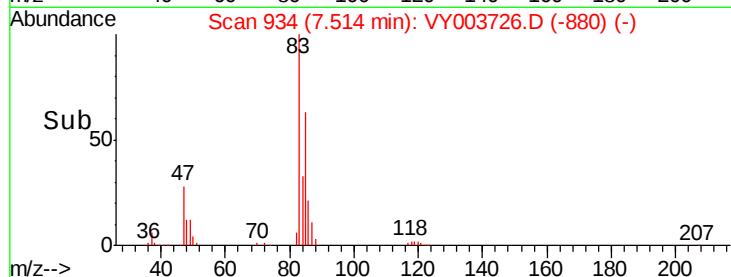
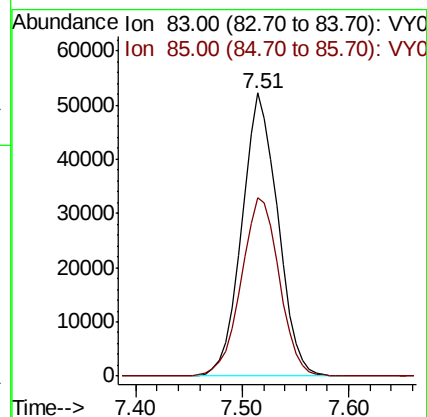
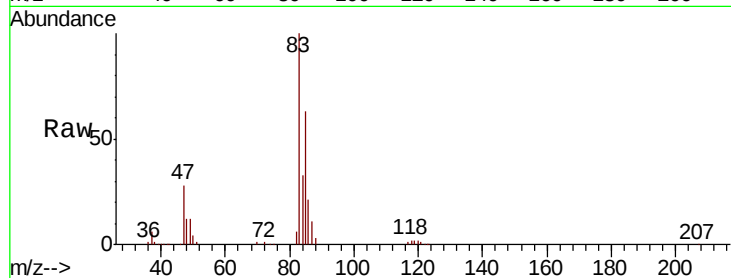
VSTD02593

Tot Ion: 83 Resp: 123717

Ion Ratio Lower Upper

83 100

85 66.8 46.5 86.5



#27

1,2-Dichloroethane

Concen: 27.885 ug/L

RT: 8.25 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VY003726.D

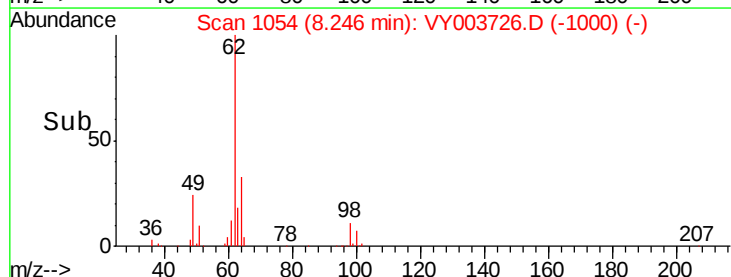
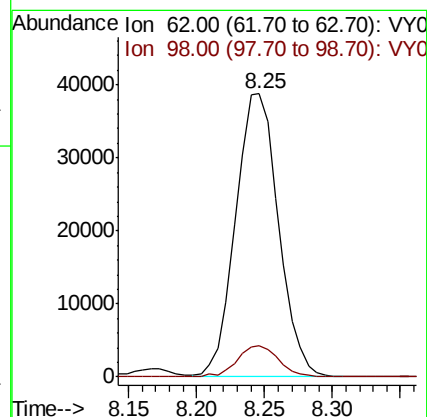
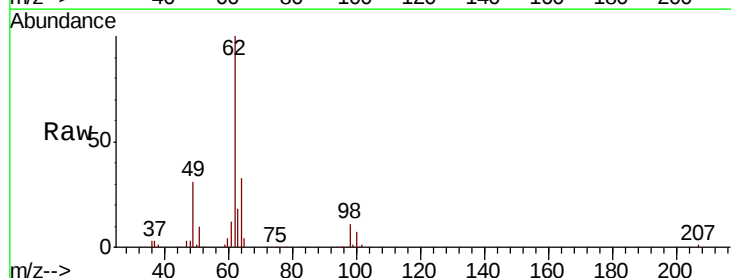
Acq: 10 Dec 2020 19:10

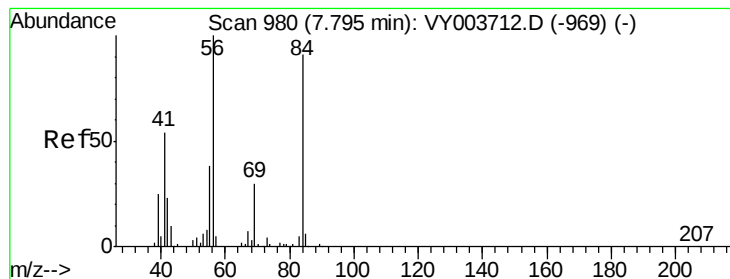
Tgt Ion: 62 Resp: 85616

Ion Ratio Lower Upper

62 100

98 11.0 8.0 12.0





#30

Cyclohexane

Concen: 24.879 ug/L

RT: 7.79 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY003726.D

Acq: 10 Dec 2020 19:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02593

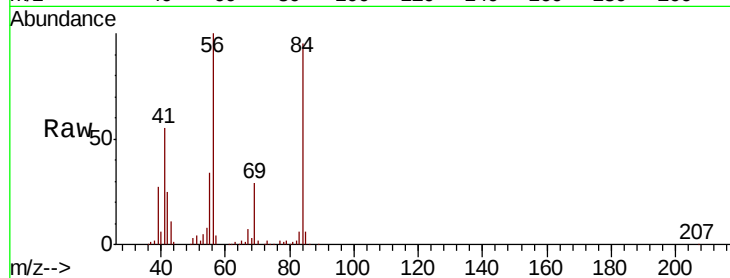
Tot Ion: 56 Resp: 104222

Ion Ratio Lower Upper

56 100

69 30.8 23.8 35.8

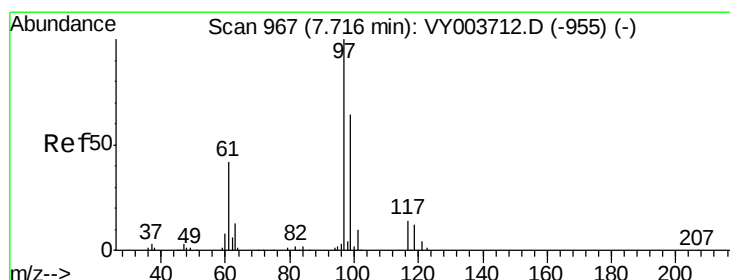
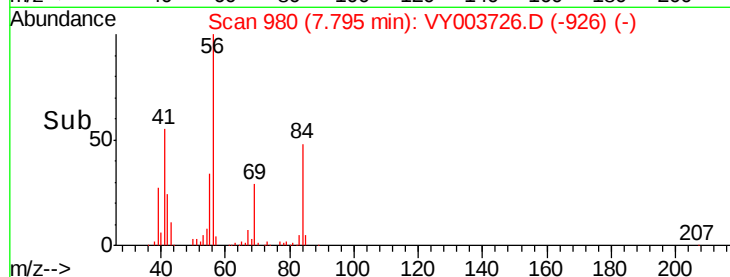
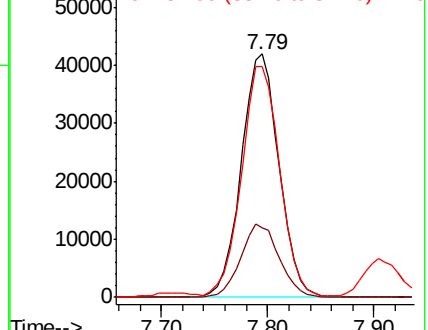
84 96.4 73.2 109.8



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



#31

1,1,1-Trichloroethane

Concen: 26.979 ug/L

RT: 7.71 min Scan# 966

Delta R.T. -0.01 min

Lab File: VY003726.D

Acq: 10 Dec 2020 19:10

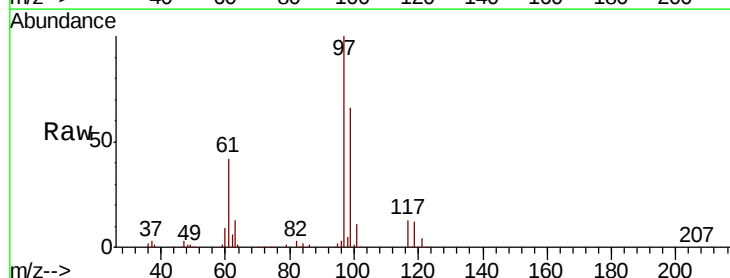
Tgt Ion: 97 Resp: 111827

Ion Ratio Lower Upper

97 100

99 63.6 51.4 77.0

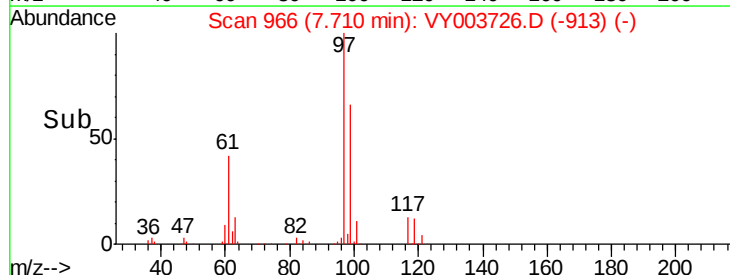
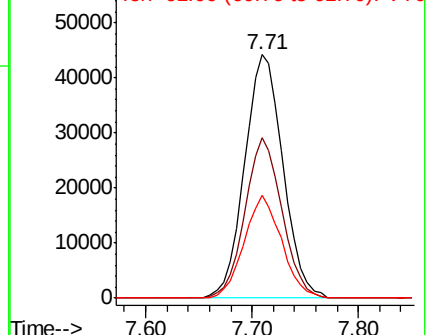
61 41.4 34.0 51.0

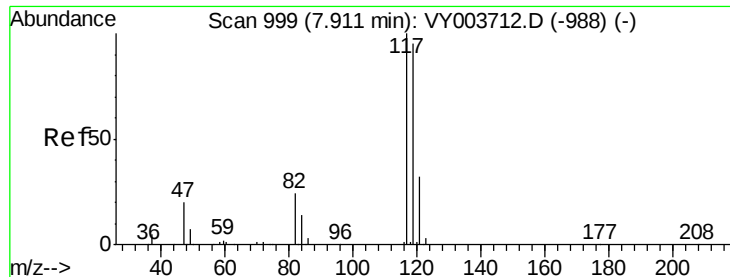


Abundance Ion 97.00 (96.70 to 97.70): VY0

Ion 99.00 (98.70 to 99.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#32

Carbon tetrachloride

Concen: 27.268 ug/L

RT: 7.90 min Scan# 998

Delta R.T. -0.01 min

Lab File: VY003726.D

Acq: 10 Dec 2020 19:10

Instrument :

MSVOA_Y

ClientSampleId :

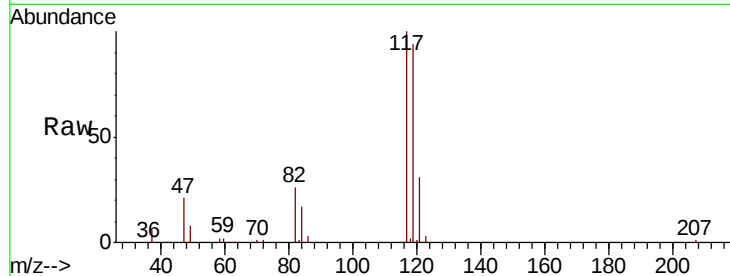
VSTD02593

Tot Ion:117 Resp: 100330

Ion Ratio Lower Upper

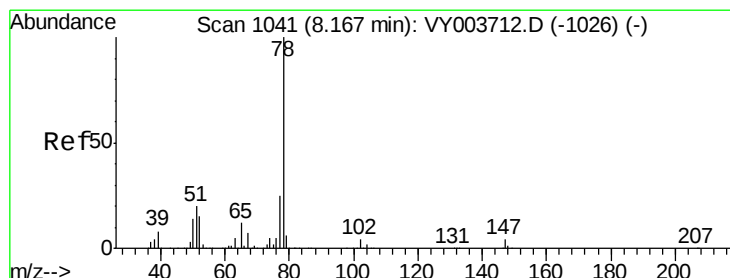
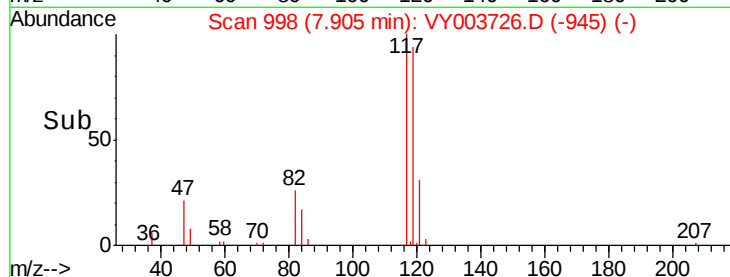
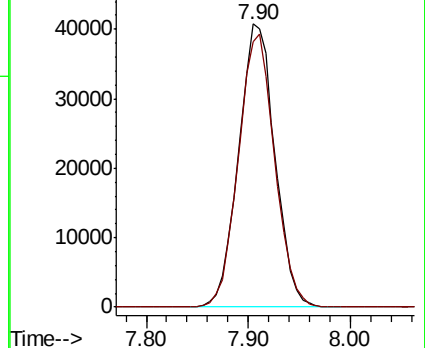
117 100

119 96.4 75.4 113.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.573 ug/L

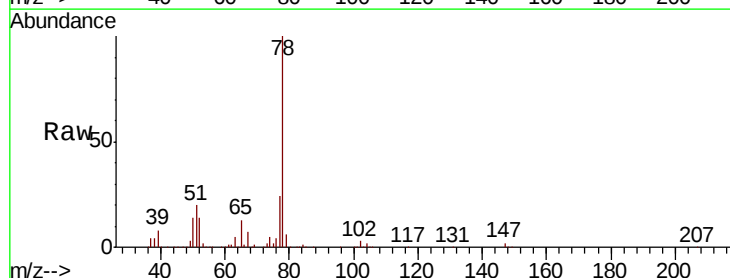
RT: 8.17 min Scan# 1041

Delta R.T. -0.00 min

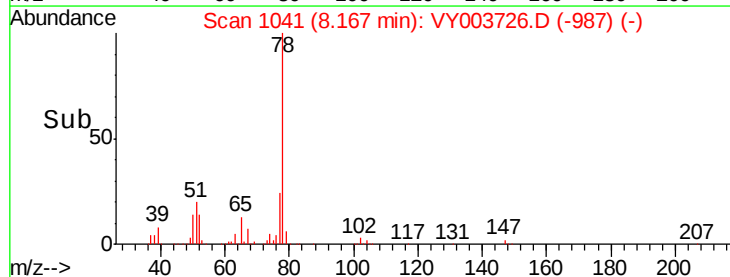
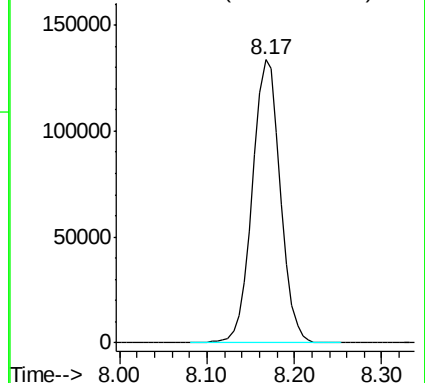
Lab File: VY003726.D

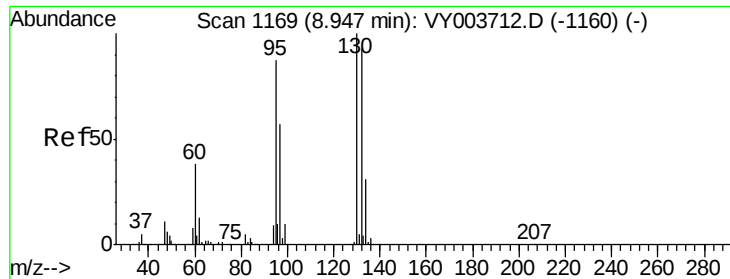
Acq: 10 Dec 2020 19:10

Tgt Ion: 78 Resp: 295590



Abundance Ion 78.00 (77.70 to 78.70): VY0





#35

Trichloroethene

Concen: 25.146 ug/L

RT: 8.95 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VY003726.D

Acq: 10 Dec 2020 19:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02593

Tot Ion: 95 Resp: 76794

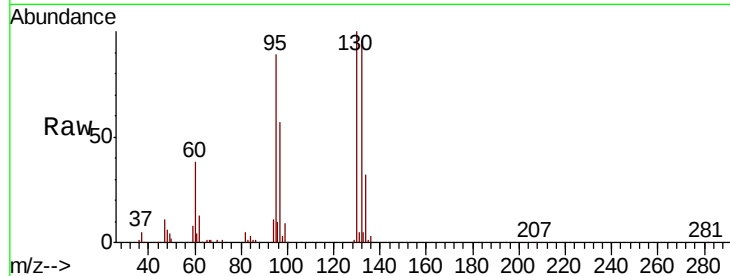
Ion Ratio Lower Upper

95 100

97 64.0 45.8 85.0

132 106.7 74.2 137.8

130 110.9 76.2 141.6

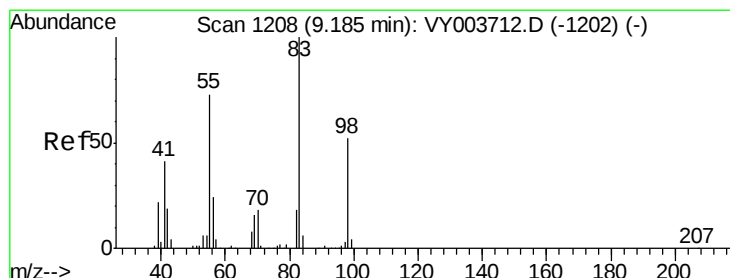
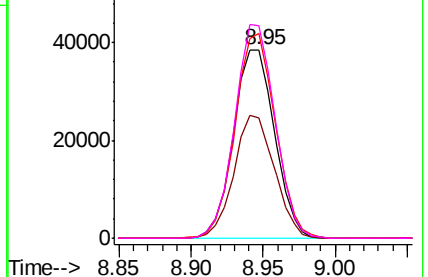
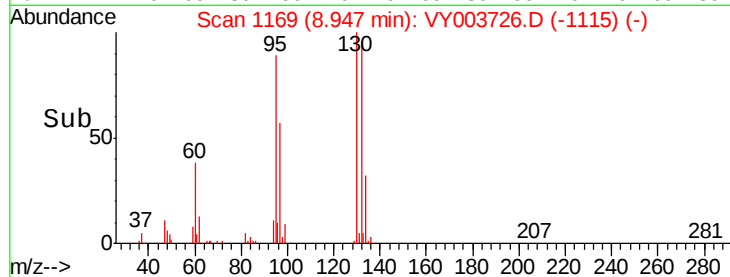


Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): VY0

Ion 130.00 (129.70 to 130.70): VY0



#36

Methylcyclohexane

Concen: 26.600 ug/L

RT: 9.18 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VY003726.D

Acq: 10 Dec 2020 19:10

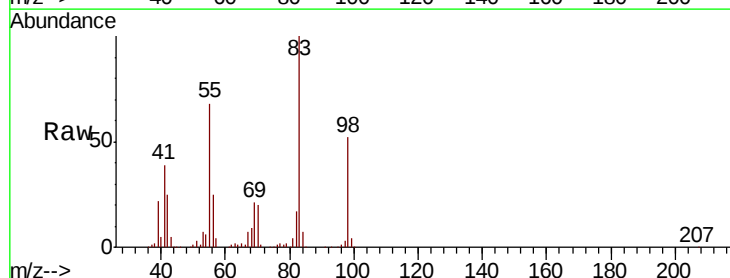
Tgt Ion: 83 Resp: 124492

Ion Ratio Lower Upper

83 100

55 68.2 56.4 84.6

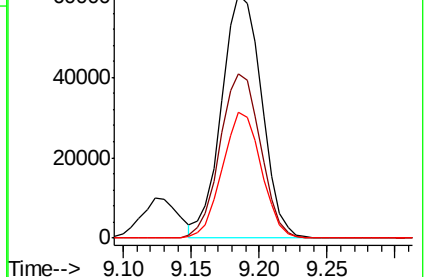
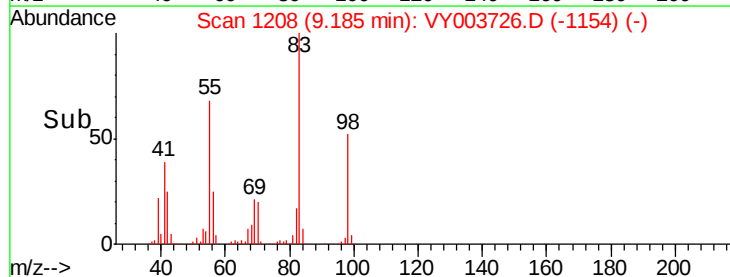
98 50.4 40.3 60.5

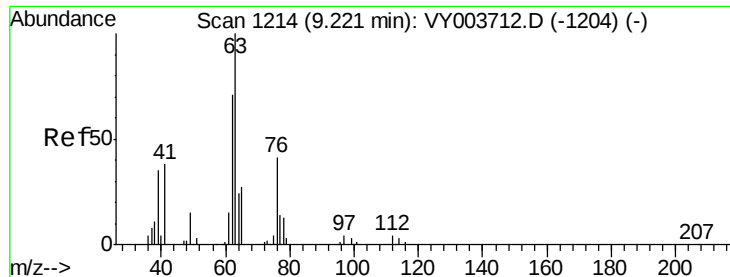


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#40

1,2-Dichloropropane

Concen: 26.001 ug/L

RT: 9.22 min Scan# 1214

Delta R.T. -0.00 min

Lab File: VY003726.D

Acq: 10 Dec 2020 19:10

Instrument :

MSVOA_Y

ClientSampleId :

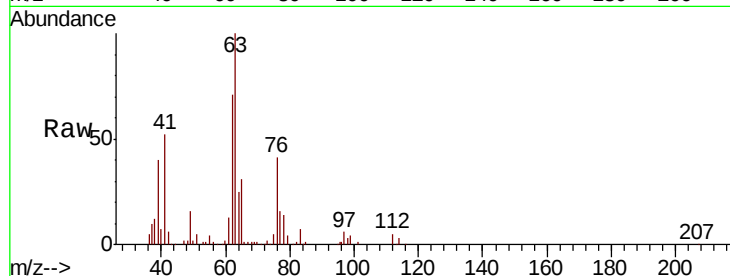
VSTD02593

Tot Ion: 63 Resp: 72539

Ion Ratio Lower Upper

63 100

112 4.6 3.7 5.5



Abundance Ion 63.00 (62.70 to 63.70): VY0

Ion 112.00 (111.70 to 112.70): V

9.22

40000

30000

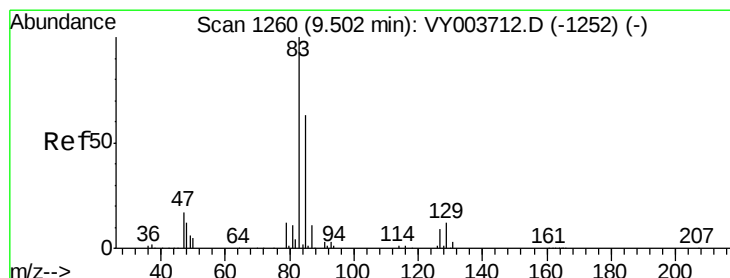
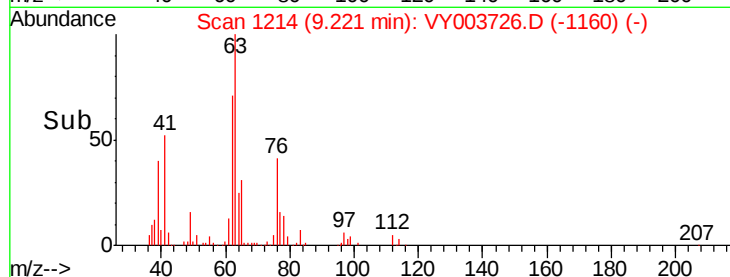
20000

10000

0

9.15 9.20 9.25 9.30

Time-->



#41

Bromodichloromethane

Concen: 27.198 ug/L

RT: 9.50 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VY003726.D

Acq: 10 Dec 2020 19:10

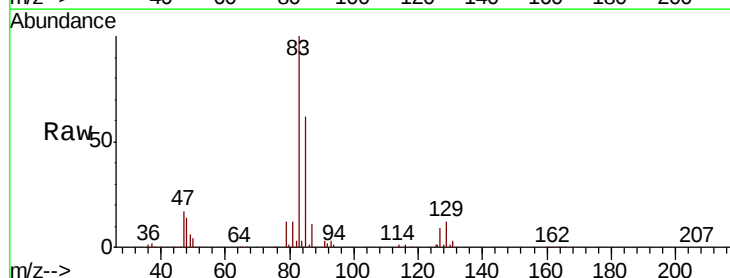
Tgt Ion: 83 Resp: 96405

Ion Ratio Lower Upper

83 100

85 61.9 44.0 81.6

127 9.1 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 127.00 (126.70 to 127.70): V

9.50

60000

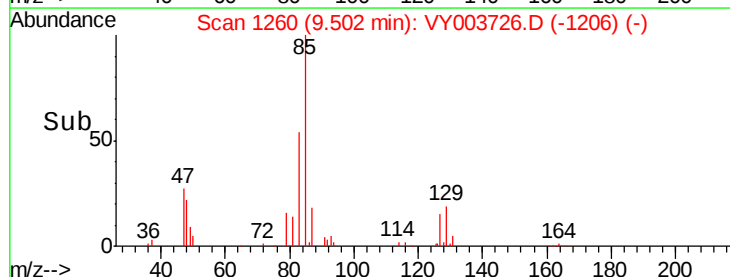
40000

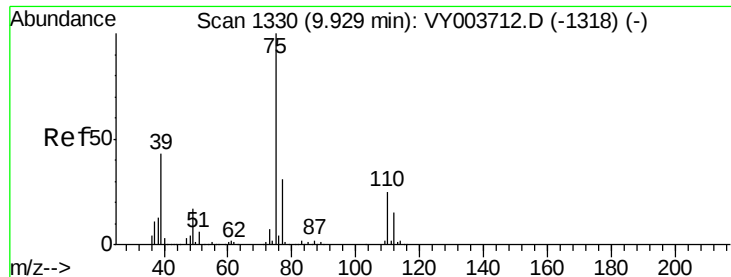
20000

0

9.45 9.50 9.55

Time-->



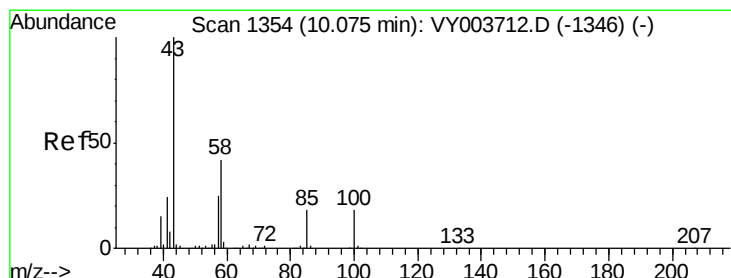
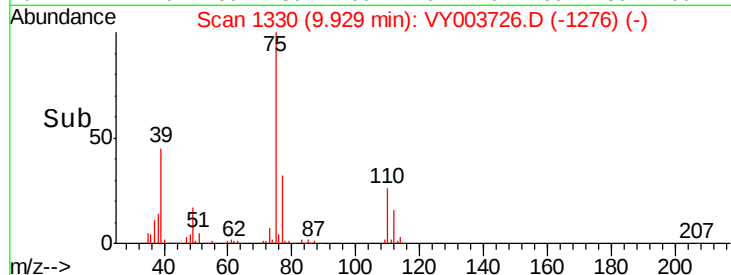
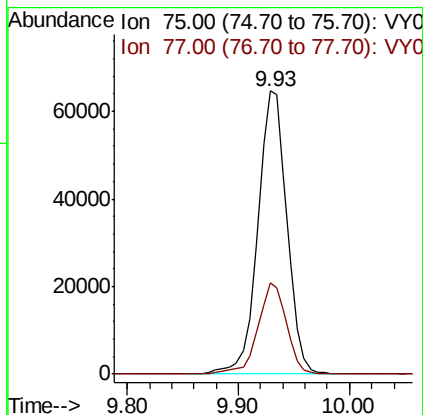
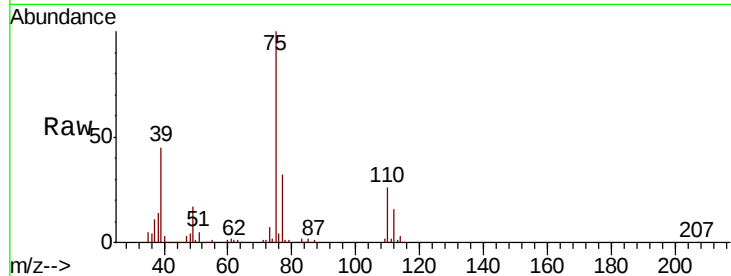


#42

cis-1,3-Dichloropropene
 Concen: 26.865 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VY003726.D
 Acq: 10 Dec 2020 19:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02593

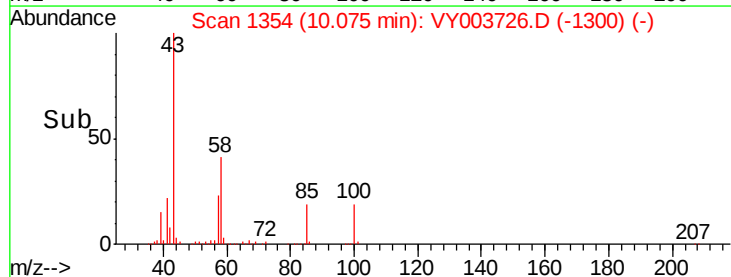
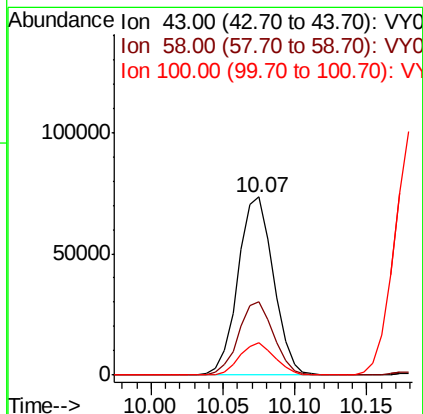
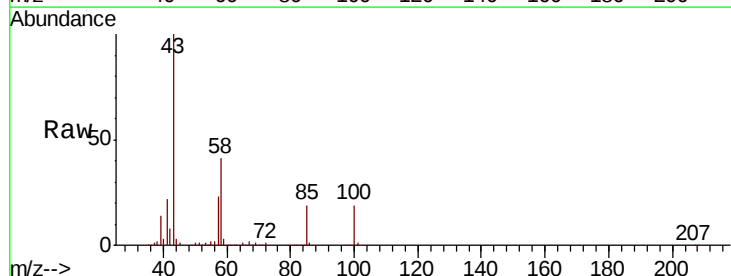
Tot Ion: 75 Resp: 117970
 Ion Ratio Lower Upper
 75 100
 77 32.4 21.3 39.6

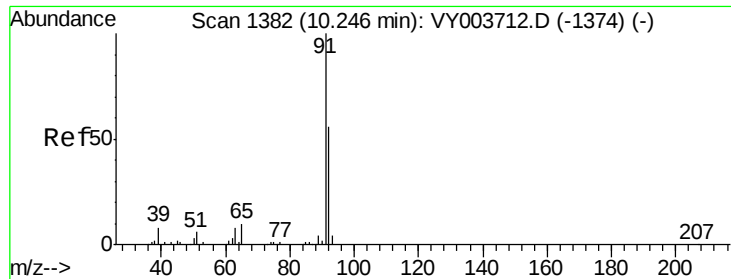


#43

4-Methyl-2-pentanone
 Concen: 47.967 ug/L
 RT: 10.07 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VY003726.D
 Acq: 10 Dec 2020 19:10

Tgt Ion: 43 Resp: 125698
 Ion Ratio Lower Upper
 43 100
 58 40.7 31.5 47.3
 100 17.8 12.7 19.1





#44

Toluene

Concen: 27.555 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VY003726.D

Acq: 10 Dec 2020 19:10

Instrument :

MSVOA_Y

ClientSampleId :

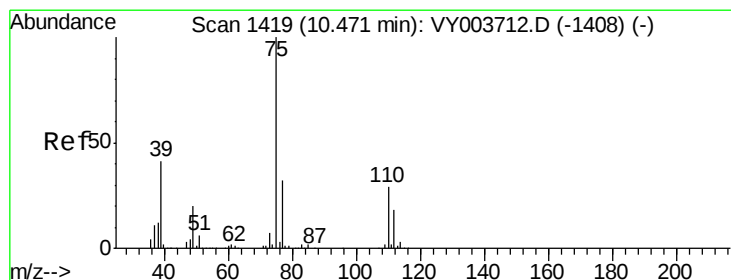
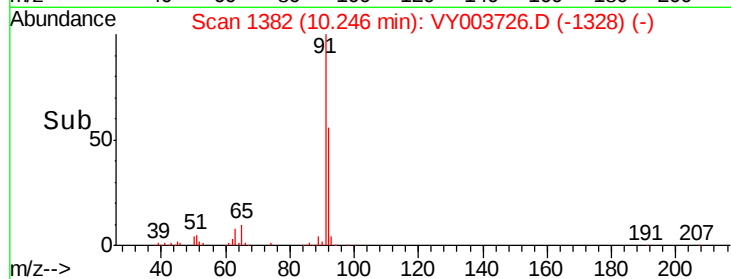
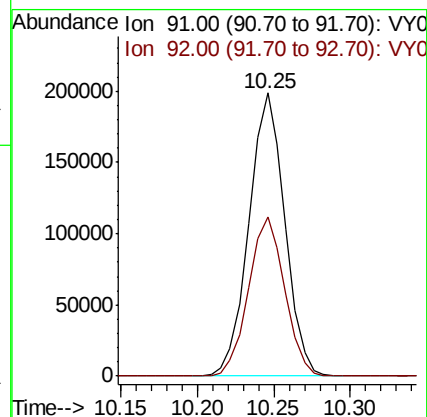
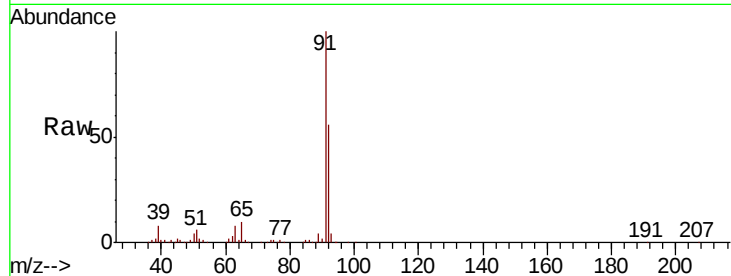
VSTD02593

Tot Ion: 91 Resp: 323328

Ion Ratio Lower Upper

91 100

92 56.3 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 27.276 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VY003726.D

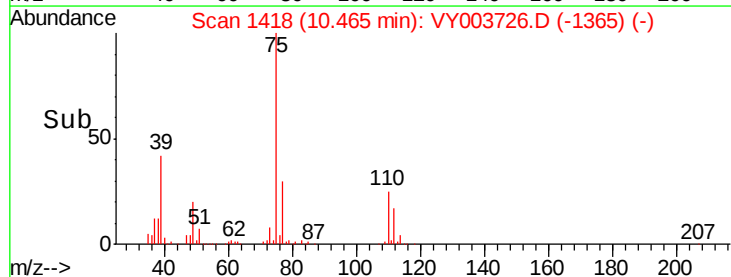
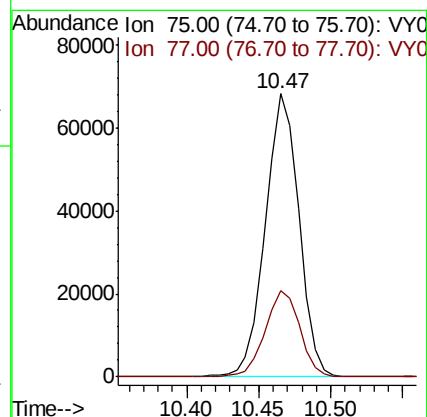
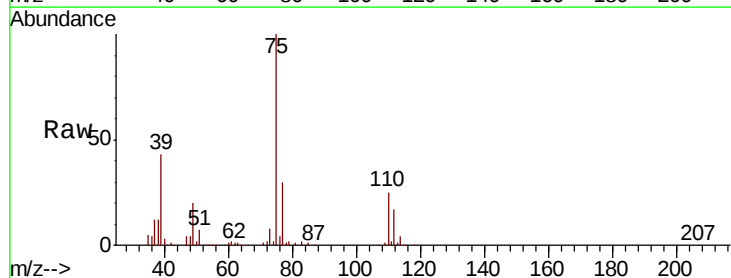
Acq: 10 Dec 2020 19:10

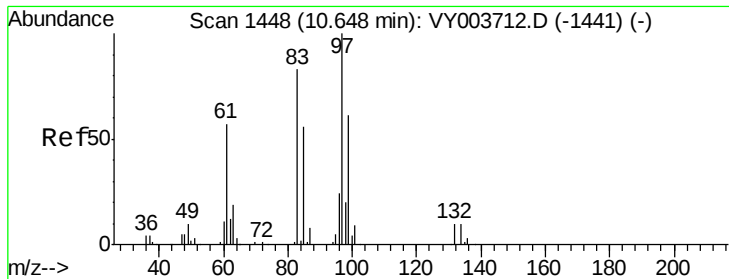
Tgt Ion: 75 Resp: 110402

Ion Ratio Lower Upper

75 100

77 30.4 22.0 40.8

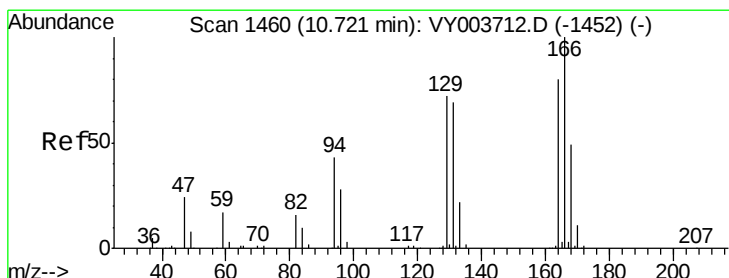
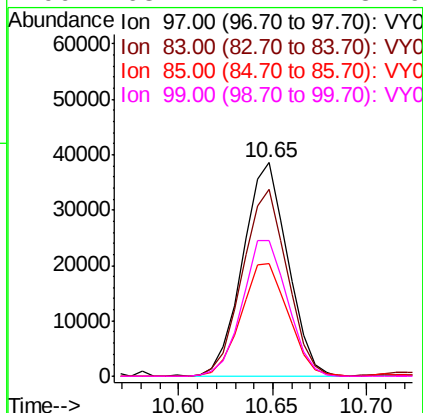
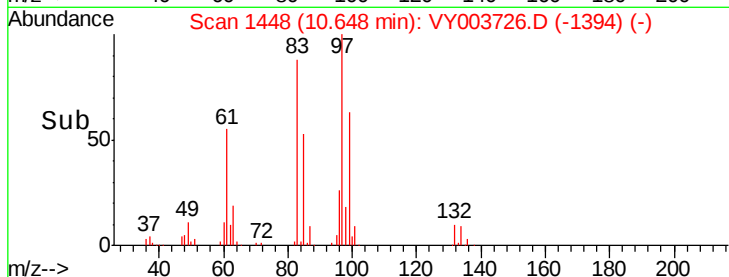
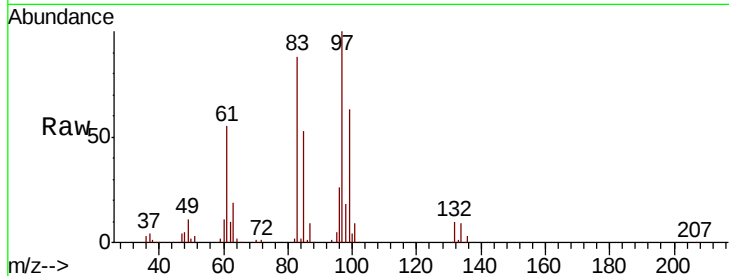




#46
 1,1,2-Trichloroethane
 Concen: 26.555 ug/L
 RT: 10.65 min Scan# 1448
 Delta R.T. -0.00 min
 Lab File: VY003726.D
 Acq: 10 Dec 2020 19:10

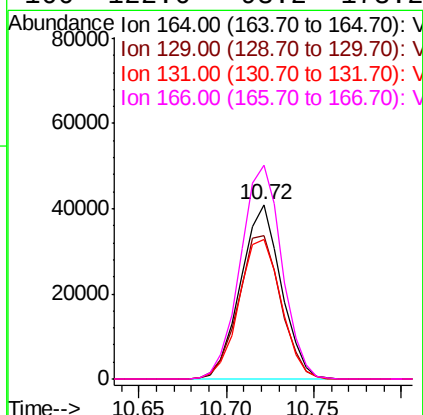
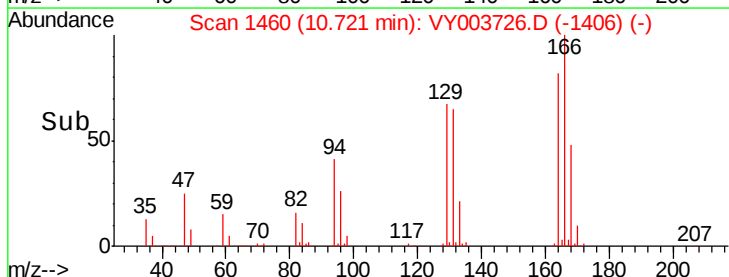
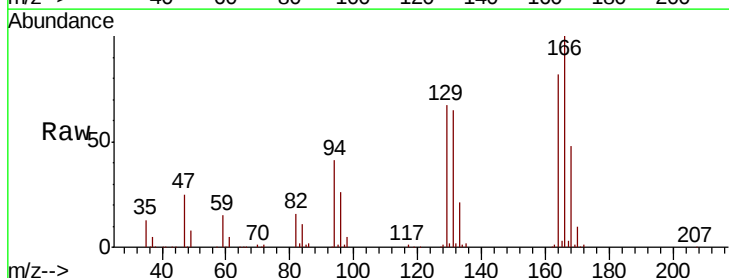
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02593

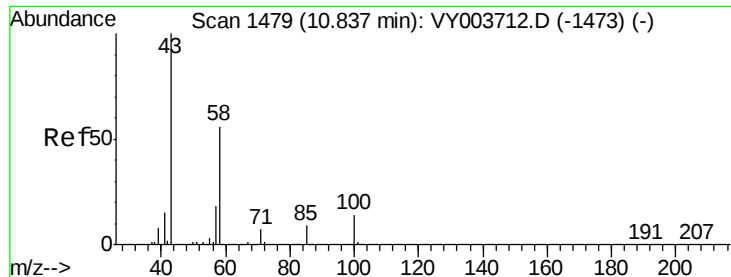
Tot Ion: 97 Resp: 63872
 Ion Ratio Lower Upper
 97 100
 83 87.7 59.6 110.8
 85 52.6 40.2 74.6
 99 63.4 44.7 82.9



#47
 Tetrachloroethene
 Concen: 27.787 ug/L
 RT: 10.72 min Scan# 1460
 Delta R.T. -0.00 min
 Lab File: VY003726.D
 Acq: 10 Dec 2020 19:10

Tgt Ion:164 Resp: 66088
 Ion Ratio Lower Upper
 164 100
 129 82.6 59.6 110.6
 131 79.8 57.9 107.5
 166 122.6 93.2 173.2

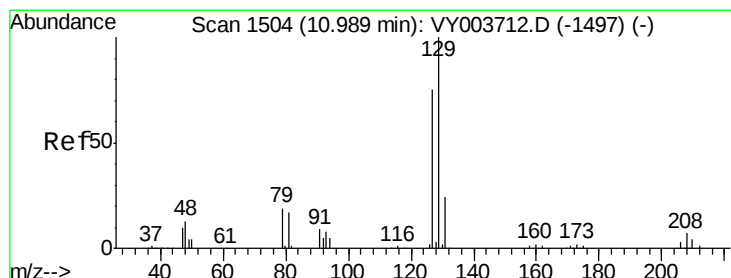
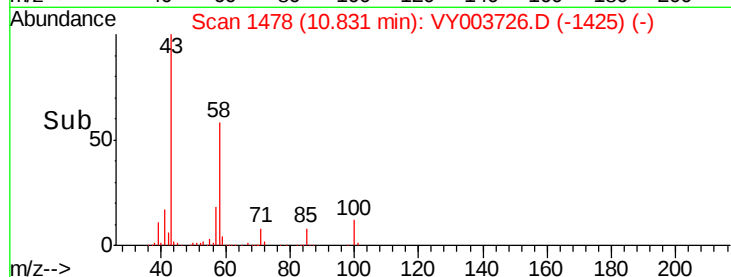
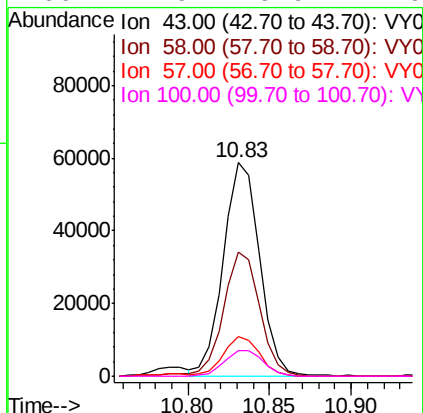
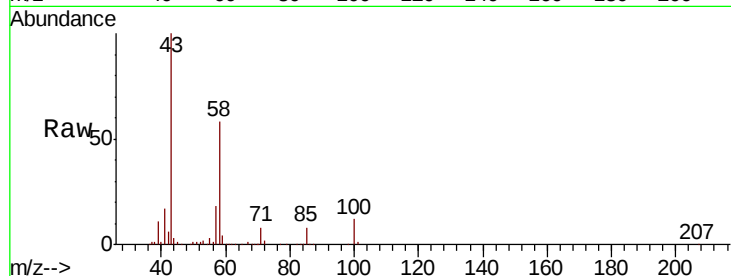




#49
2-Hexanone
Concen: 49.367 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.01 min
Lab File: VY003726.D
Acq: 10 Dec 2020 19:10

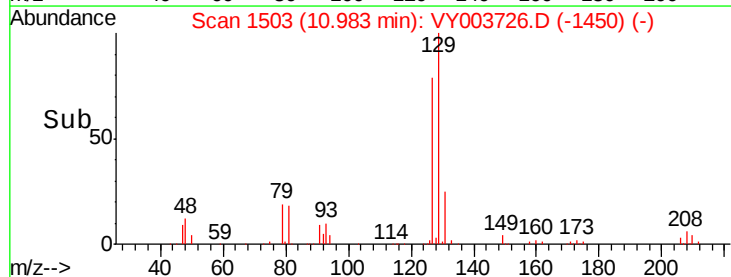
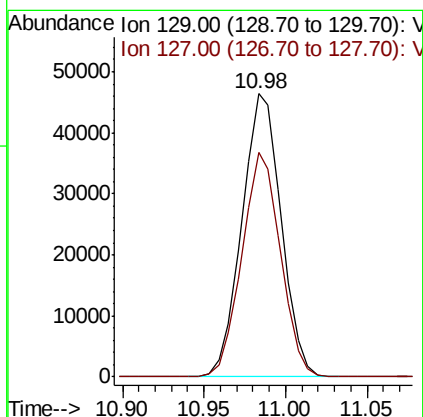
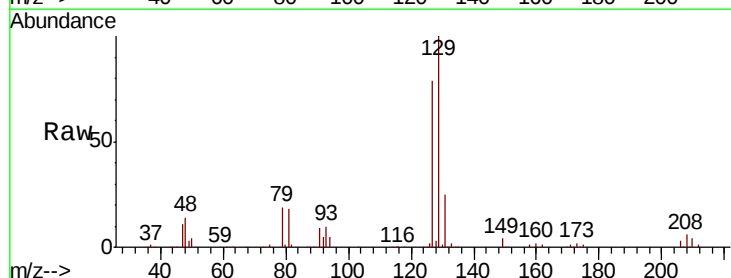
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02593

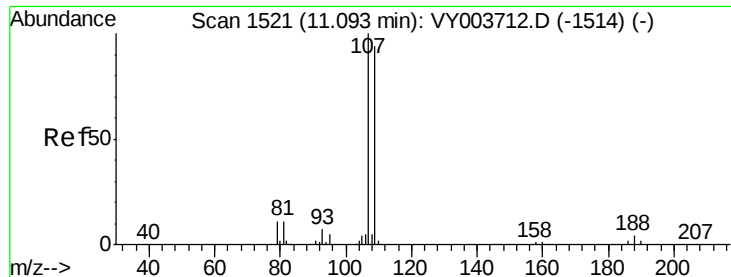
Tot Ion: 43 Resp: 90918
Ion Ratio Lower Upper
43 100
58 58.0 44.8 67.2
57 18.5 14.8 22.2
100 12.9 9.9 14.9



#50
Dibromochloromethane
Concen: 27.672 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. -0.01 min
Lab File: VY003726.D
Acq: 10 Dec 2020 19:10

Tgt Ion: 129 Resp: 77894
Ion Ratio Lower Upper
129 100
127 79.4 54.8 101.8

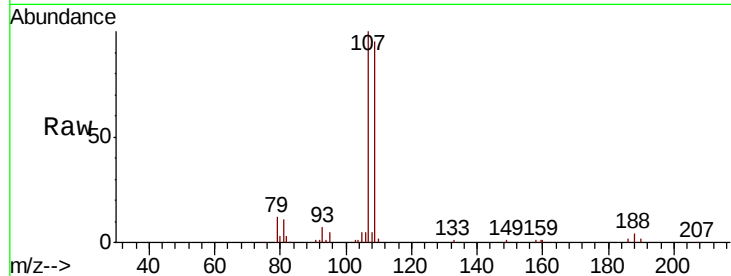




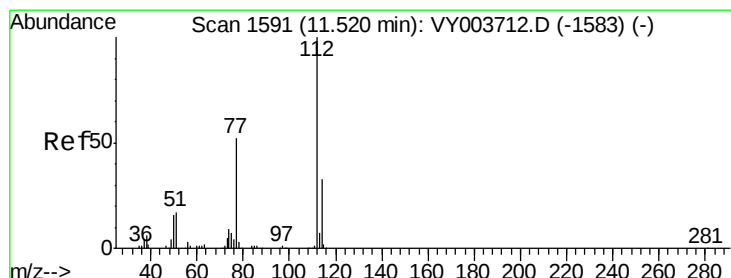
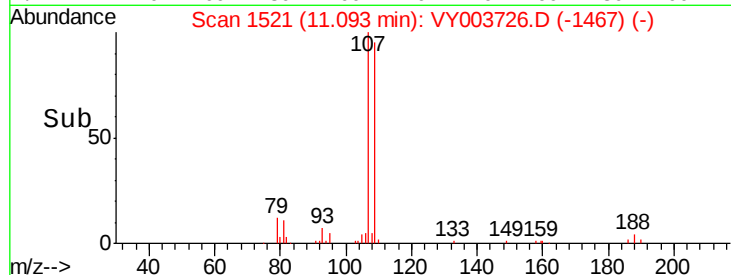
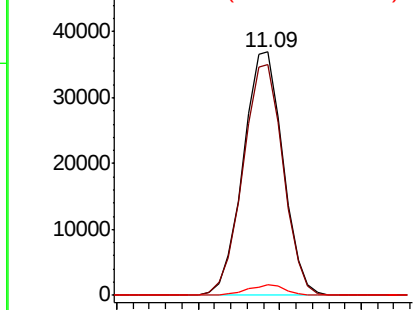
#51
1,2-Dibromoethane
Concen: 27.061 ug/L
RT: 11.09 min Scan# 1521
Delta R.T. -0.00 min
Lab File: VY003726.D
Acq: 10 Dec 2020 19:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTD02593

Tot Ion:107 Resp: 62982
Ion Ratio Lower Upper
107 100
109 94.8 65.2 121.0
188 4.3 3.0 4.6

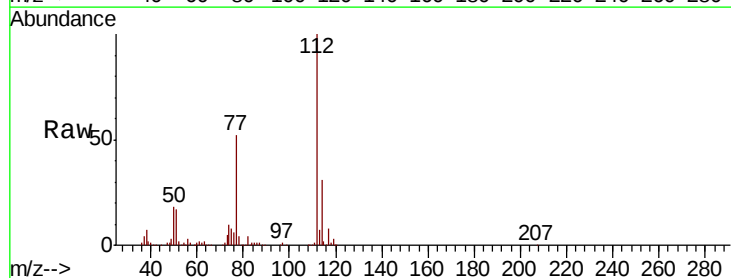


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

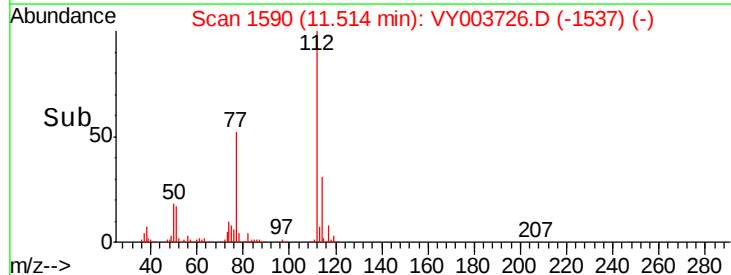
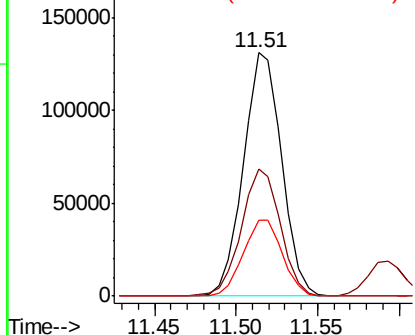


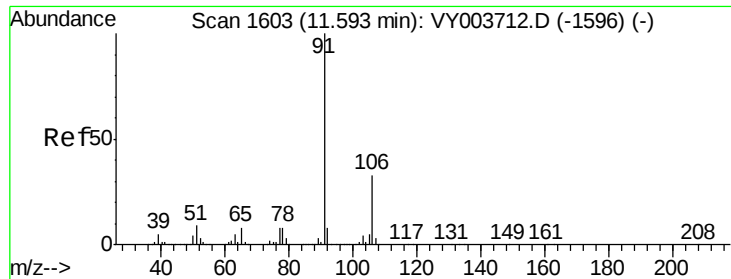
#52
Chlorobenzene
Concen: 27.691 ug/L
RT: 11.51 min Scan# 1590
Delta R.T. -0.01 min
Lab File: VY003726.D
Acq: 10 Dec 2020 19:10

Tgt Ion:112 Resp: 213831
Ion Ratio Lower Upper
112 100
77 52.4 44.4 66.6
114 31.2 22.4 41.6



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): VY0
Ion 114.00 (113.70 to 114.70): V

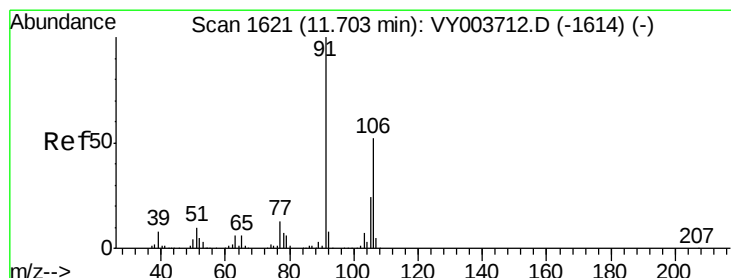
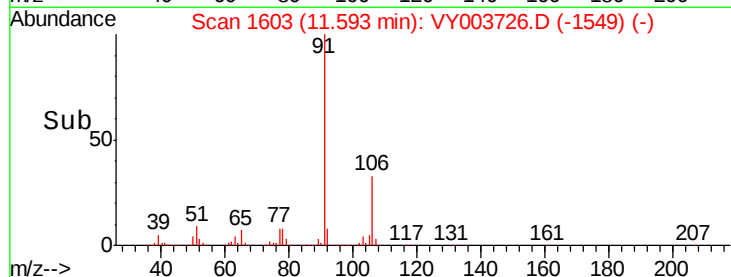
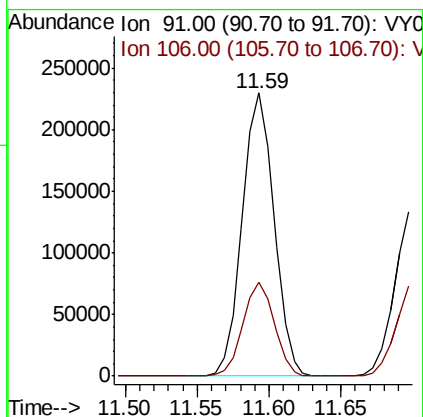
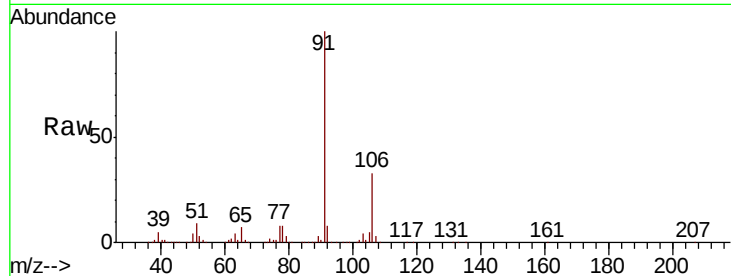




#53
Ethylbenzene
Concen: 27.507 ug/L
RT: 11.59 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VY003726.D
Acq: 10 Dec 2020 19:10

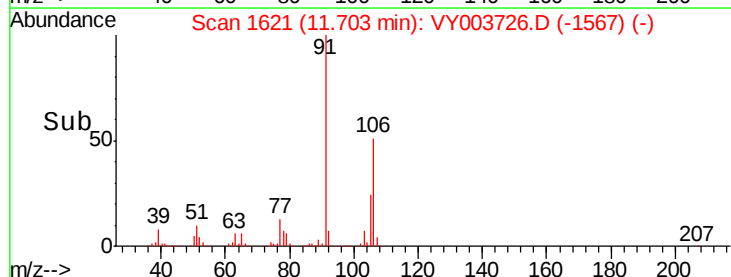
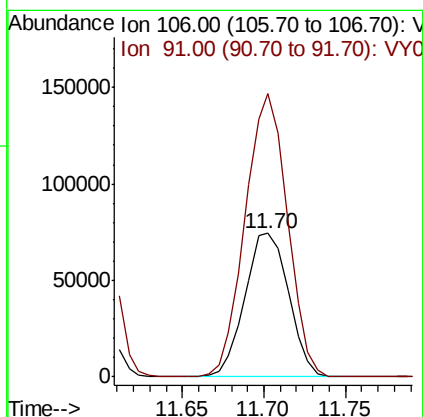
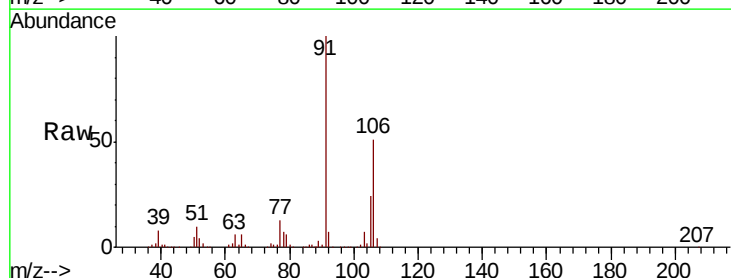
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02593

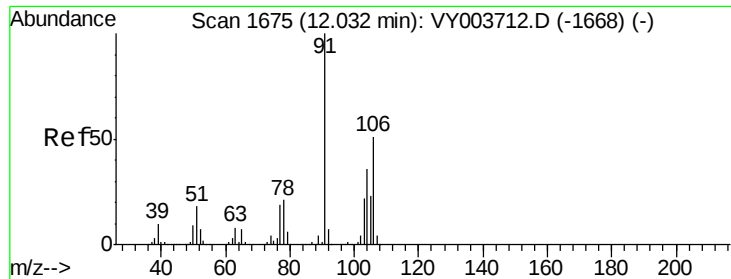
Tot Ion: 91 Resp: 352250
Ion Ratio Lower Upper
91 100
106 33.0 23.3 43.3



#54
m,p-Xylene
Concen: 28.265 ug/L
RT: 11.70 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VY003726.D
Acq: 10 Dec 2020 19:10

Tgt Ion: 106 Resp: 139632
Ion Ratio Lower Upper
106 100
91 196.9 131.3 243.9





#55

o-xylene

Concen: 28.104 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. -0.01 min

Lab File: VY003726.D

Acq: 10 Dec 2020 19:10

Instrument :

MSVOA_Y

ClientSampleId :

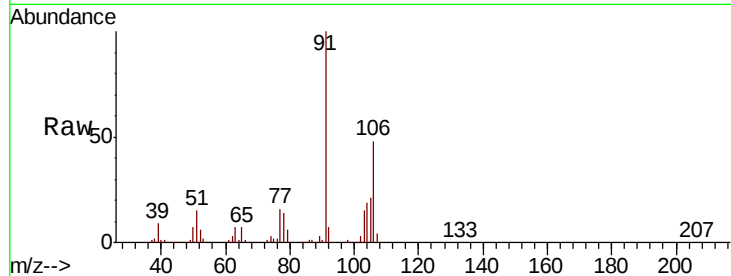
VSTD02593

Tot Ion:106 Resp: 133199

Ion Ratio Lower Upper

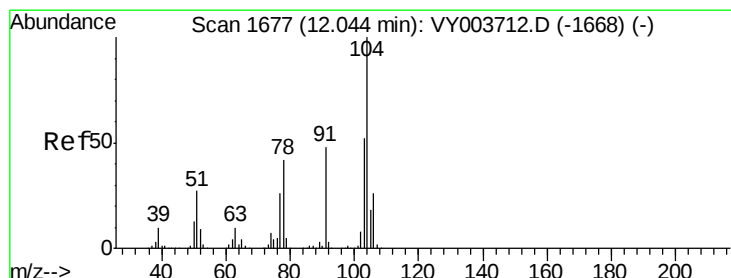
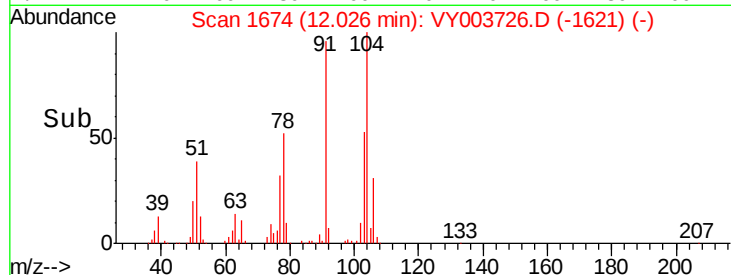
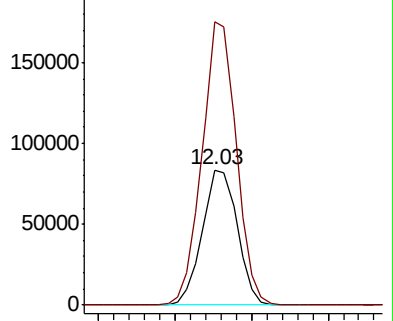
106 100

91 209.1 141.7 263.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 29.088 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VY003726.D

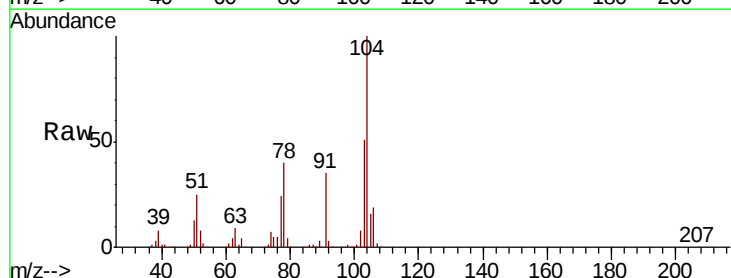
Acq: 10 Dec 2020 19:10

Tgt Ion:104 Resp: 235952

Ion Ratio Lower Upper

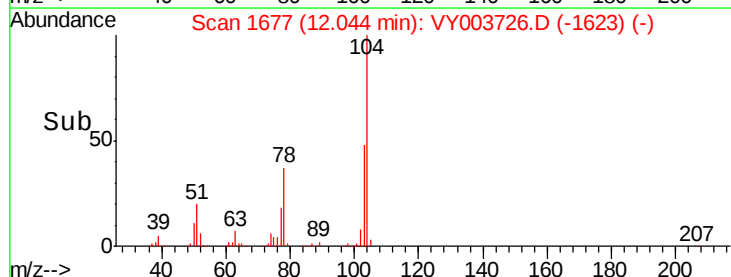
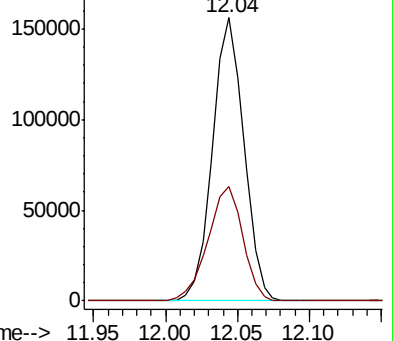
104 100

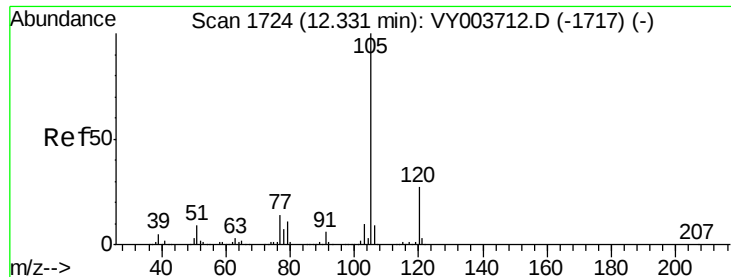
78 40.3 28.1 52.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 28.374 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. -0.00 min

Lab File: VY003726.D

Acq: 10 Dec 2020 19:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02593

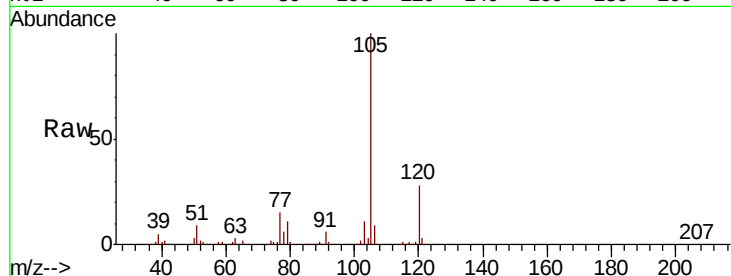
Tot Ion:105 Resp: 351589

Ion Ratio Lower Upper

105 100

120 27.7 22.3 33.5

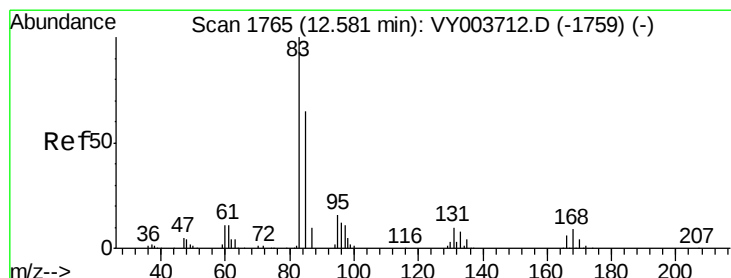
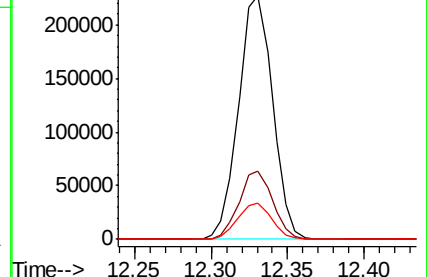
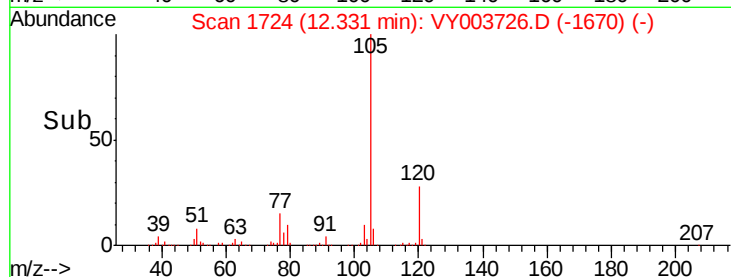
77 14.9 11.9 17.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 29.567 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. -0.00 min

Lab File: VY003726.D

Acq: 10 Dec 2020 19:10

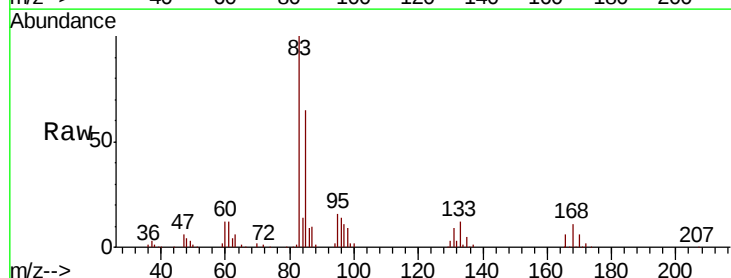
Tgt Ion: 83 Resp: 76247

Ion Ratio Lower Upper

83 100

85 65.0 47.2 87.6

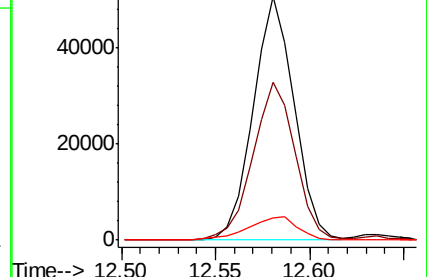
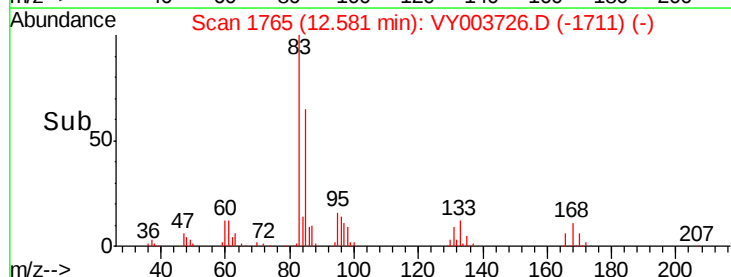
131 9.4 8.4 12.6

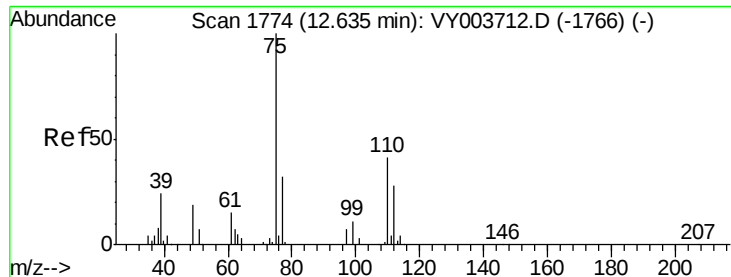


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.922 ug/L

RT: 12.64 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VY003726.D

Acq: 10 Dec 2020 19:10

Instrument :

MSVOA_Y

ClientSampleId :

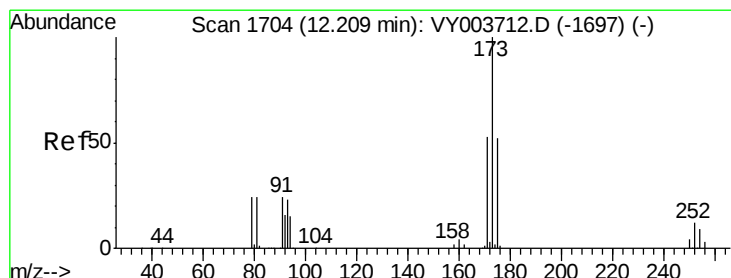
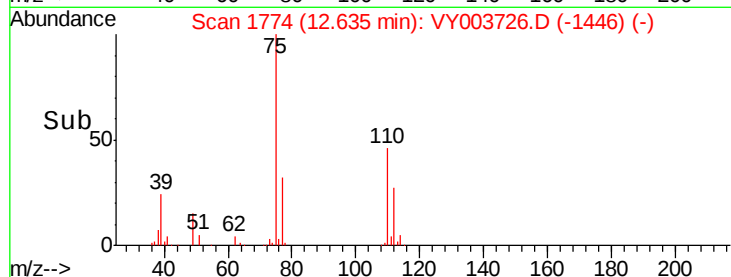
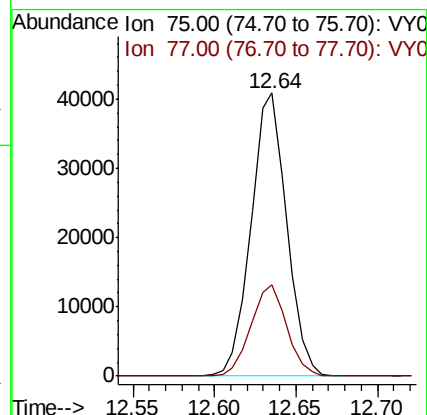
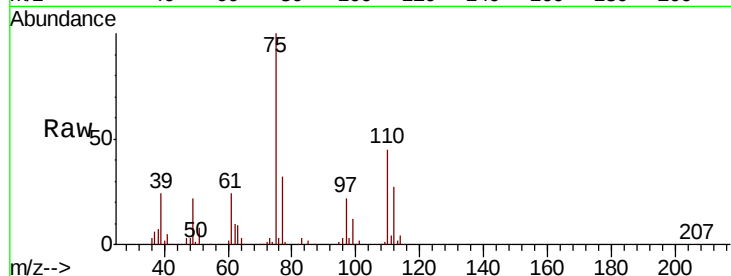
VSTD02593

Tot Ion: 75 Resp: 62071

Ion Ratio Lower Upper

75 100

77 32.5 25.9 38.9



#62

Bromoform

Concen: 27.832 ug/L

RT: 12.21 min Scan# 1704

Delta R.T. -0.00 min

Lab File: VY003726.D

Acq: 10 Dec 2020 19:10

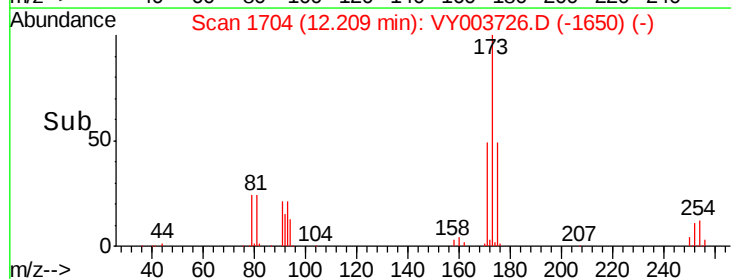
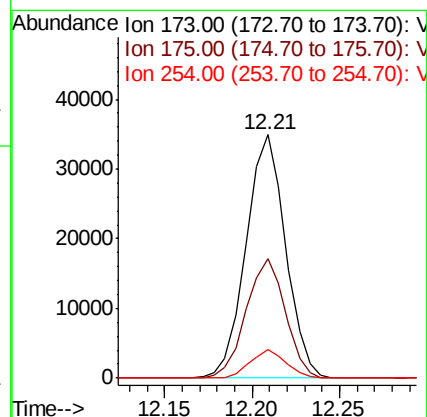
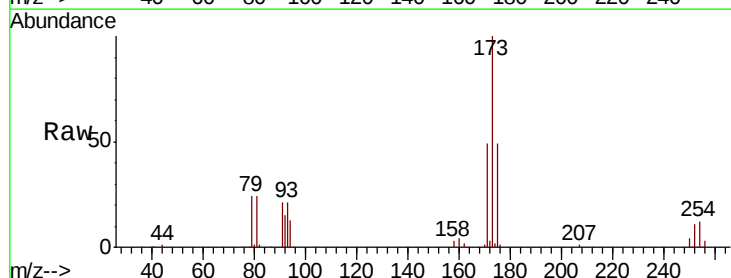
Tgt Ion: 173 Resp: 54910

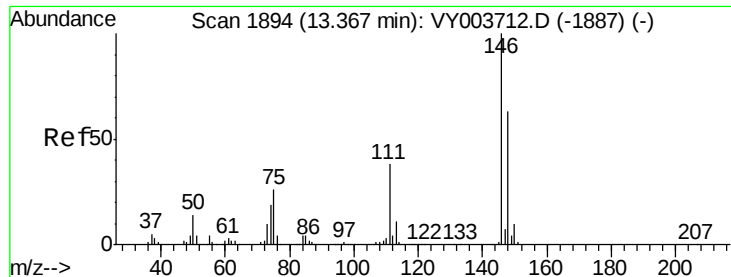
Ion Ratio Lower Upper

173 100

175 48.6 39.1 58.7

254 10.3 7.7 11.5

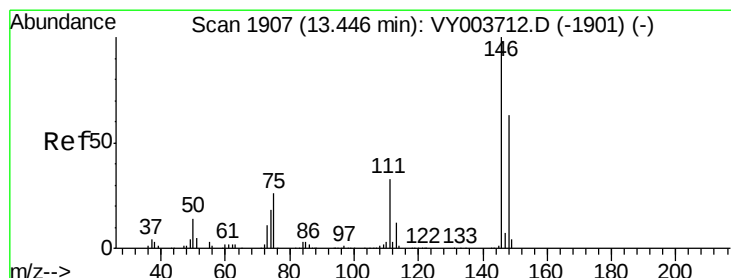
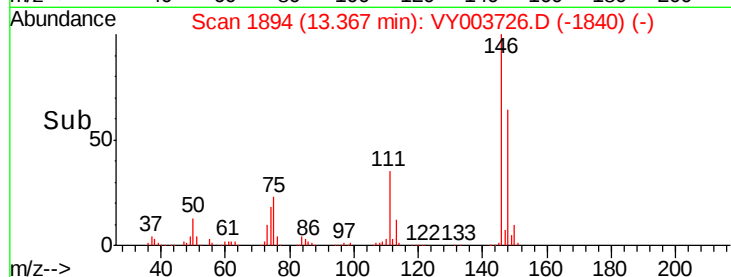
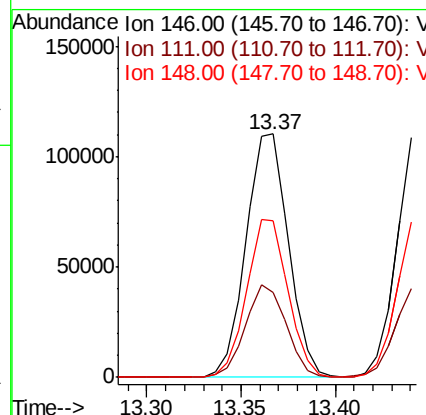
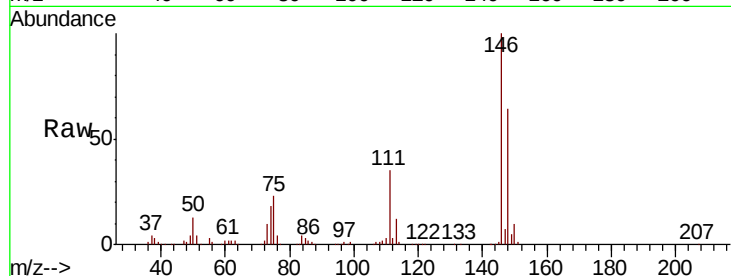




#63
 1,3-Dichlorobenzene
 Concen: 27.746 ug/L
 RT: 13.37 min Scan# 1894
 Delta R.T. -0.00 min
 Lab File: VY003726.D
 Acq: 10 Dec 2020 19:10

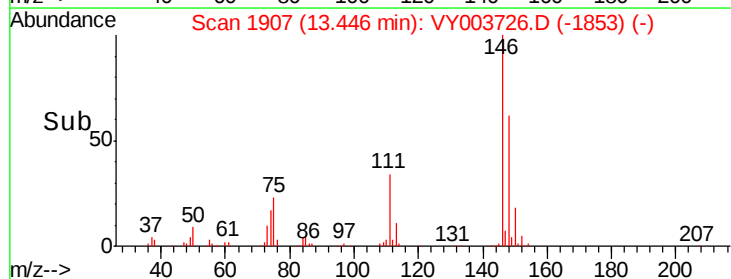
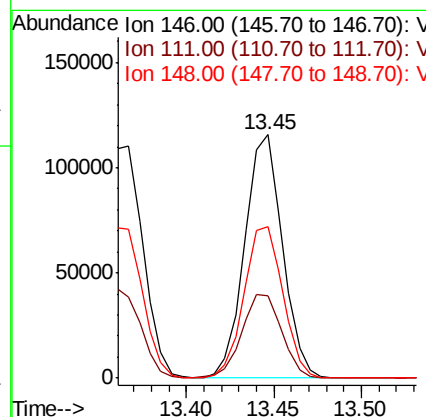
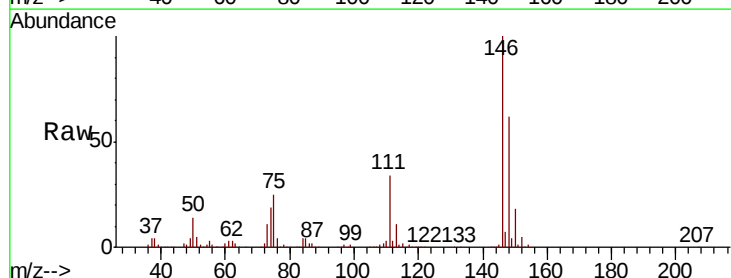
Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD02593

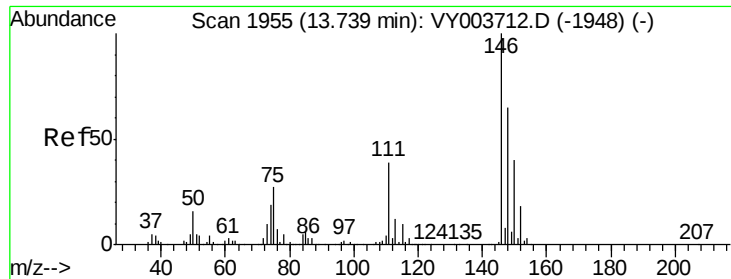
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.0	26.0	48.4
148	64.3	43.7	81.1



#64
 1,4-Dichlorobenzene
 Concen: 27.545 ug/L
 RT: 13.45 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003726.D
 Acq: 10 Dec 2020 19:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.6	23.2	43.0
148	62.0	43.8	81.4

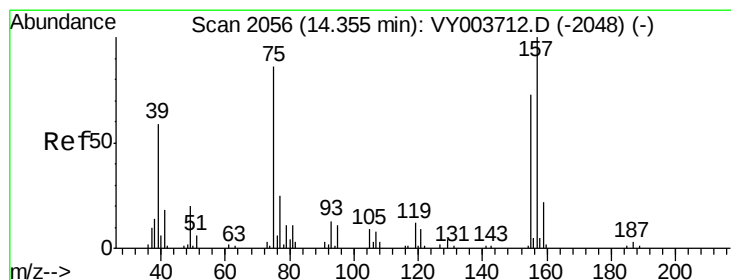
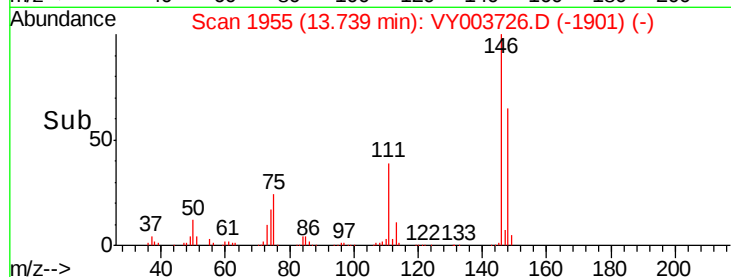
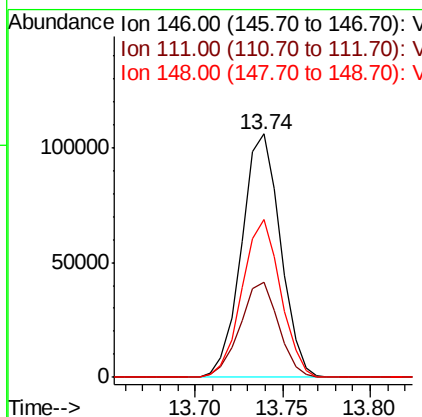
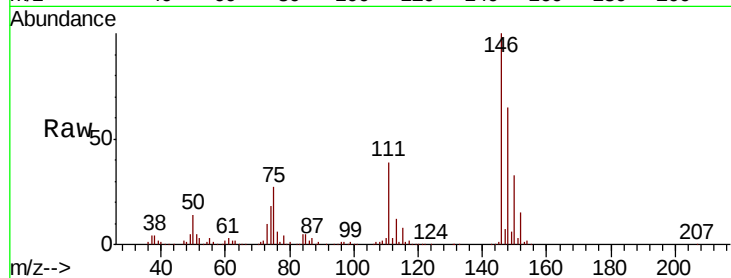




#65
 1,2-Dichlorobenzene
 Concen: 28.650 ug/L
 RT: 13.74 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VY003726.D
 Acq: 10 Dec 2020 19:10

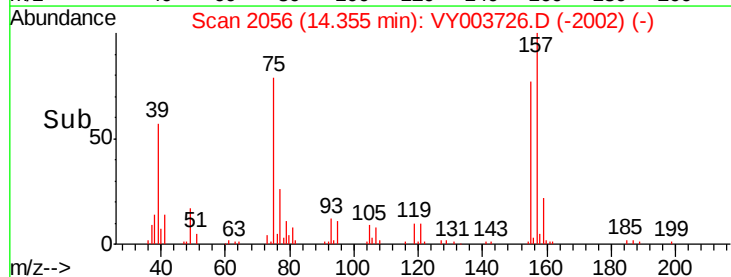
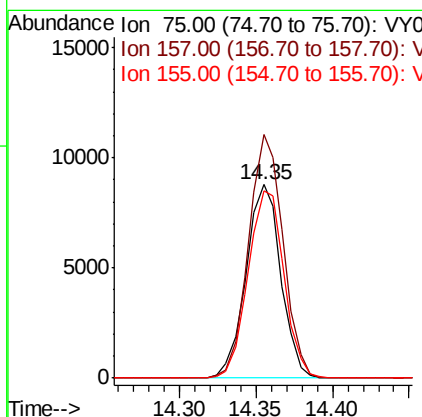
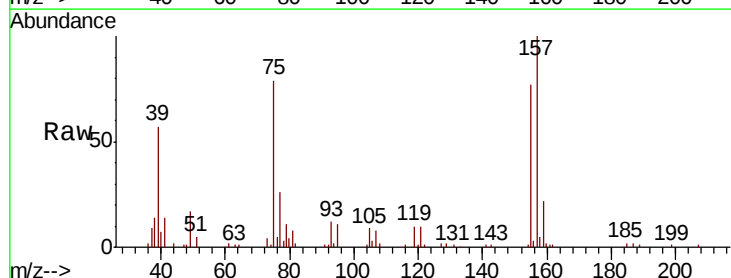
Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD02593

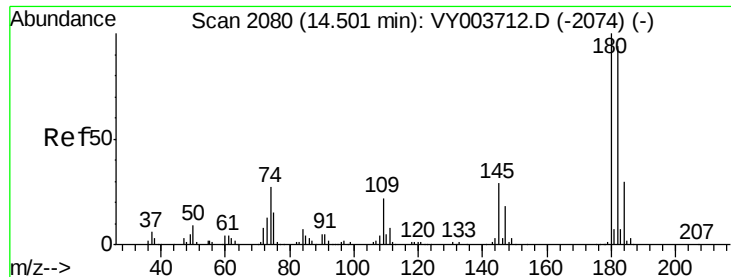
Tot Ion:146 Resp: 163367
 Ion Ratio Lower Upper
 146 100
 111 39.3 30.0 45.0
 148 64.6 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.055 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. -0.00 min
 Lab File: VY003726.D
 Acq: 10 Dec 2020 19:10

Tgt Ion: 75 Resp: 13840
 Ion Ratio Lower Upper
 75 100
 157 125.9 101.3 151.9
 155 96.8 76.2 114.4

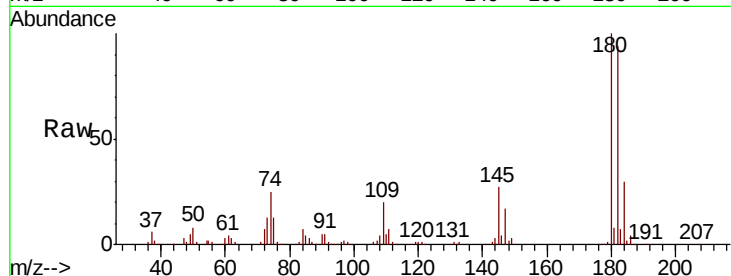




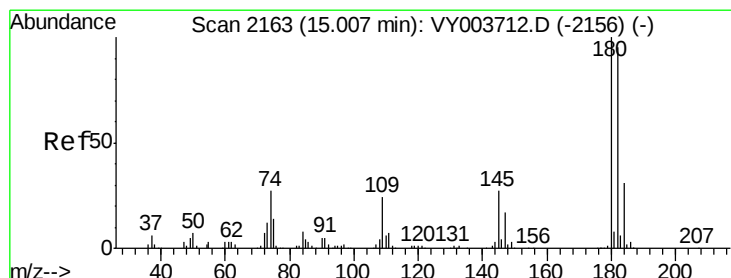
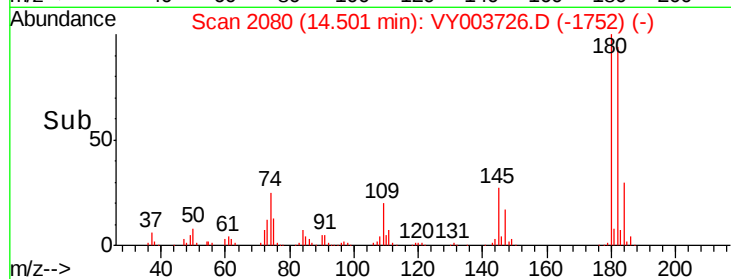
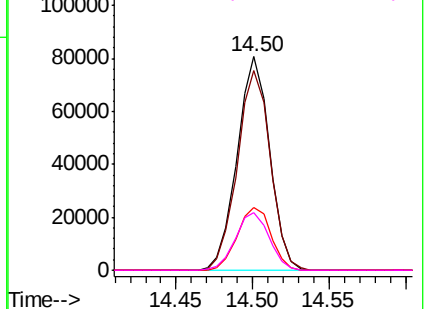
#67
 1,3,5-Trichlorobenzene
 Concen: 26.966 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VY003726.D
 Acq: 10 Dec 2020 19:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02593

Tot Ion:180	Resp:	118489
Ion Ratio	Lower	Upper
180	100	
182	95.1	76.0 114.0
184	30.6	24.2 36.2
145	28.0	22.2 33.2

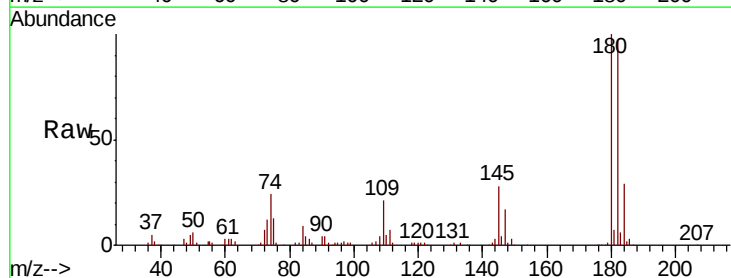


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

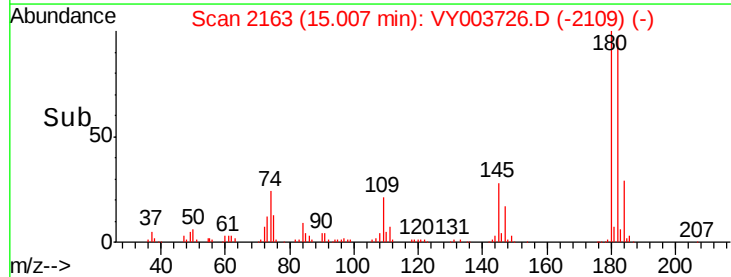
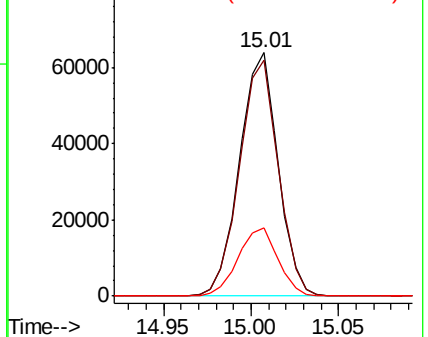


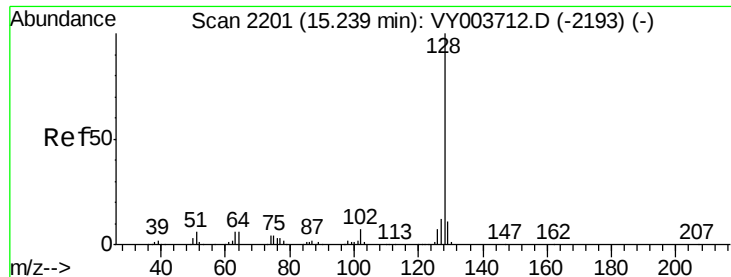
#68
 1,2,4-trichlorobenzene
 Concen: 26.151 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VY003726.D
 Acq: 10 Dec 2020 19:10

Tgt Ion:180	Resp:	98028
Ion Ratio	Lower	Upper
180	100	
182	97.2	76.5 114.7
145	28.8	22.2 33.4



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





#69

Naphthalene

Concen: 27.005 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. -0.01 min

Lab File: VY003726.D

Acq: 10 Dec 2020 19:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02593

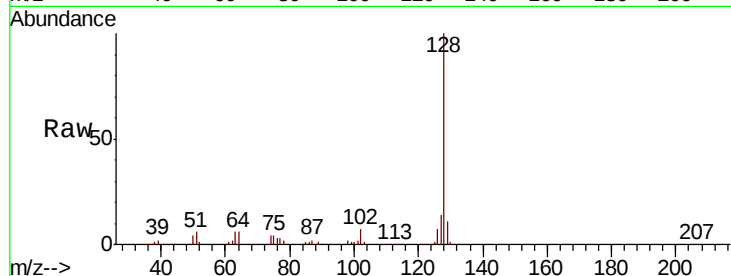
Tot Ion:128 Resp: 212314

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

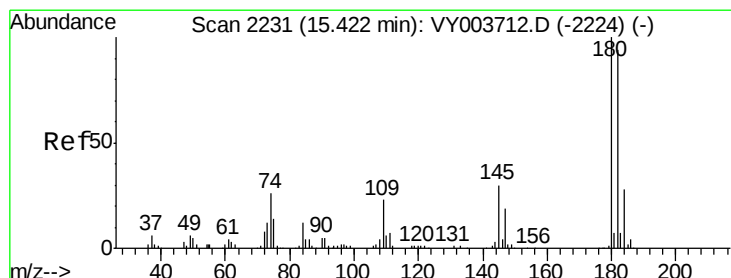
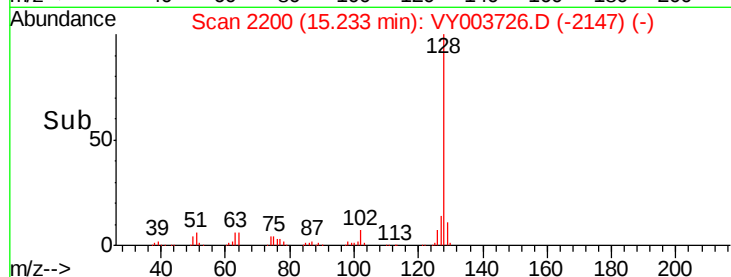
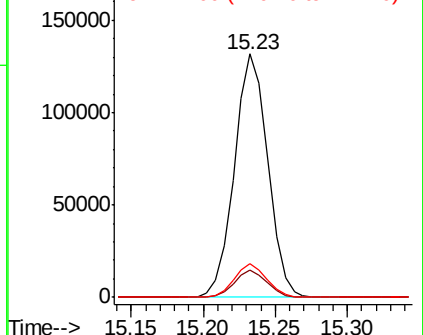
127 13.3 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 27.001 ug/L

RT: 15.42 min Scan# 2231

Delta R.T. -0.00 min

Lab File: VY003726.D

Acq: 10 Dec 2020 19:10

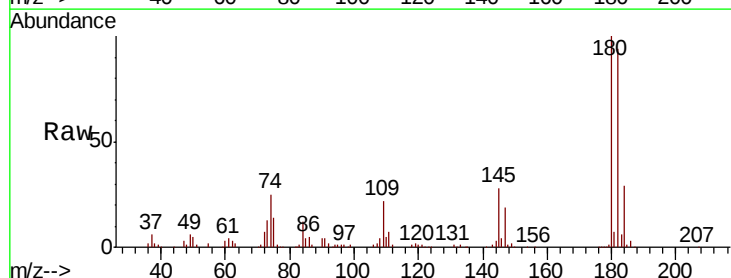
Tgt Ion:180 Resp: 92456

Ion Ratio Lower Upper

180 100

182 95.3 76.9 115.3

145 29.4 24.2 36.4



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

