

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
 Data File : VY003741.D
 Acq On : 11 Dec 2020 21:23
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02595

Quant Time: Dec 12 01:43:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 11 10:03:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	322565	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	304804	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	159032	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	97857	21.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.80%
7) Chloroethane-d5	2.77	69	80768	23.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.88%
10) 1,1-Dichloroethene-d2	3.86	63	214093	24.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.76%
20) 2-Butanone-d5	6.90	46	87955	54.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.18%
24) Chloroform-d	7.49	84	219153	26.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.60%
26) 1,2-Dichloroethane-d4	8.15	65	128907	27.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.40%
29) Benzene-d6	8.12	84	432458	24.51	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.04%
33) 1,2-Dichloropropane-d6	9.12	67	135083	25.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.48%
37) Toluene-d8	10.18	98	397012	25.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.40%
38) trans-1,3-Dichloropropene-	10.44	79	67207	26.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.72%
39) 2-Hexanone-d5	10.79	63	69166	52.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.74%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	129231	27.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.12%
61) 1,2-Dichlorobenzene-d4	13.72	152	149858	25.94	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.91	85	88210	24.333	ug/L	98
3) Chloromethane	2.12	50	95319	24.229	ug/L	99
5) Vinyl chloride	2.26	62	105800	25.433	ug/L	99
6) Bromomethane	2.66	94	67956	25.265	ug/L	98
8) Chloroethane	2.80	64	68157	26.909	ug/L	93
9) Trichlorofluoromethane	3.14	101	176930	27.779	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	108436	26.485	ug/L	97
12) 1,1-Dichloroethene	3.89	96	100409	26.011	ug/L	88
13) Acetone	3.96	43	66453	55.746	ug/L	93
14) Carbon disulfide	4.20	76	312693	24.303	ug/L	99
15) Methyl Acetate	4.49	43	85597	28.537	ug/L	95
16) Methylene chloride	4.73	84	121388	21.432	ug/L	96
17) Methyl tert-butyl Ether	5.23	73	322715	29.492	ug/L	97
18) trans-1,2-Dichloroethene	5.23	96	112465	25.875	ug/L	97
19) 1,1-Dichloroethane	6.03	63	205015	28.097	ug/L	96
21) 2-Butanone	7.00	43	114205	54.255	ug/L	96
22) cis-1,2-Dichloroethene	7.00	96	125503	27.094	ug/L	97

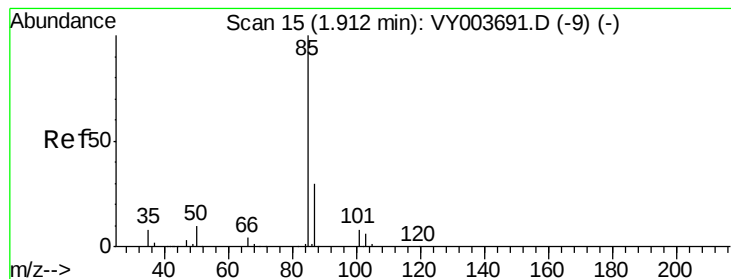
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
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 Quant Title : VOC Analysis
 QLast Update : Fri Dec 11 10:03:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	61026	26.391	ug/L	99
25) Chloroform	7.51	83	209245	28.328	ug/L	100
27) 1,2-Dichloroethane	8.25	62	150290	30.080	ug/L	99
30) Cyclohexane	7.80	56	185701	28.279	ug/L	97
31) 1,1,1-Trichloroethane	7.71	97	184426	28.385	ug/L	99
32) Carbon tetrachloride	7.90	117	162647	28.200	ug/L	99
34) Benzene	8.17	78	463212	26.566	ug/L	100
35) Trichloroethene	8.94	95	125751	26.268	ug/L	97
36) Methylcyclohexane	9.19	83	198568	27.067	ug/L	96
40) 1,2-Dichloropropane	9.22	63	123157	28.162	ug/L	99
41) Bromodichloromethane	9.50	83	160161	28.825	ug/L	96
42) cis-1,3-Dichloropropene	9.93	75	198656	28.860	ug/L	98
43) 4-Methyl-2-pentanone	10.07	43	250219	60.914	ug/L	97
44) Toluene	10.25	91	503334	27.366	ug/L	100
45) trans-1,3-Dichloropropene	10.47	75	185260	29.200	ug/L	100
46) 1,1,2-Trichloroethane	10.65	97	101661	26.963	ug/L	97
47) Tetrachloroethene	10.72	164	99714	26.746	ug/L	96
49) 2-Hexanone	10.83	43	177856	61.609	ug/L	97
50) Dibromochloromethane	10.98	129	124550	28.227	ug/L	97
51) 1,2-Dibromoethane	11.09	107	101921	27.937	ug/L	99
52) Chlorobenzene	11.51	112	328599	27.147	ug/L	96
53) Ethylbenzene	11.59	91	558534	27.825	ug/L	98
54) m,p-Xylene	11.70	106	218869	28.264	ug/L	95
55) o-xylene	12.03	106	208861	28.113	ug/L	94
56) Styrene	12.04	104	367402	28.895	ug/L	96
57) Isopropylbenzene	12.33	105	554173	28.531	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	121451	30.045	ug/L	99
59) 1,2,3-Trichloropropane	12.64	75	104392	28.885	ug/L	100
62) Bromoform	12.21	173	84753	28.231	ug/L	99
63) 1,3-Dichlorobenzene	13.36	146	262877	27.796	ug/L	98
64) 1,4-Dichlorobenzene	13.44	146	261231	27.171	ug/L	97
65) 1,2-Dichlorobenzene	13.74	146	245761	28.325	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.35	75	23945	29.625	ug/L	92
67) 1,3,5-Trichlorobenzene	14.50	180	180424	26.984	ug/L	99
68) 1,2,4-trichlorobenzene	15.00	180	157788	27.663	ug/L	99
69) Naphthalene	15.23	128	342816	28.656	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	143055	27.456	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 24.333 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.01 min

Lab File: VY003741.D

Acq: 11 Dec 2020 21:23

Instrument :

MSVOA_Y

ClientSampleId :

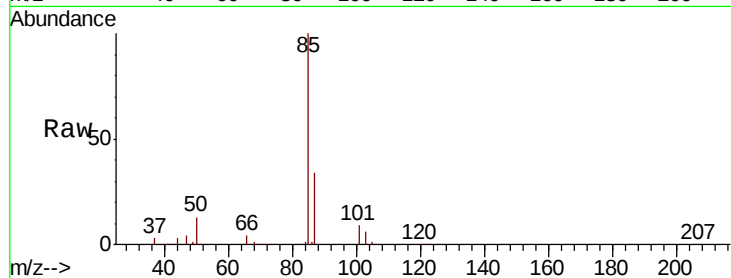
VSTD02595

Tot Ion: 85 Resp: 88210

Ion Ratio Lower Upper

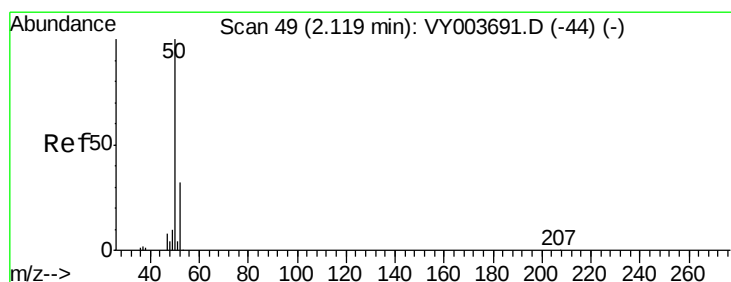
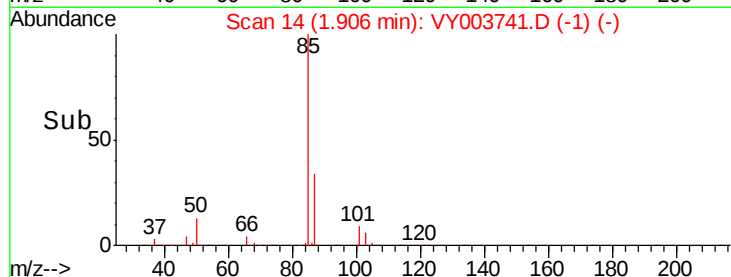
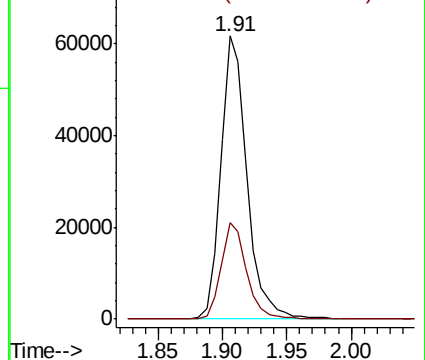
85 100

87 33.4 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: 24.229 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.00 min

Lab File: VY003741.D

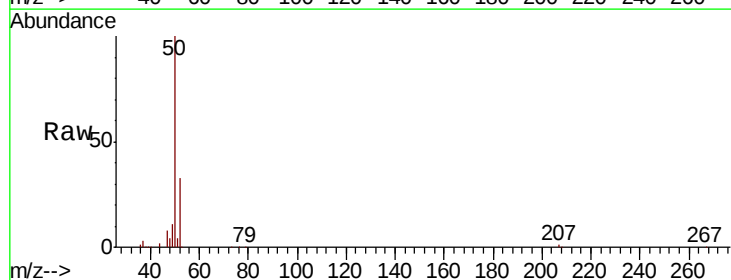
Acq: 11 Dec 2020 21:23

Tgt Ion: 50 Resp: 95319

Ion Ratio Lower Upper

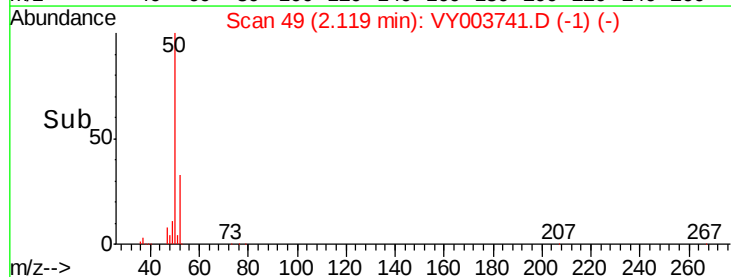
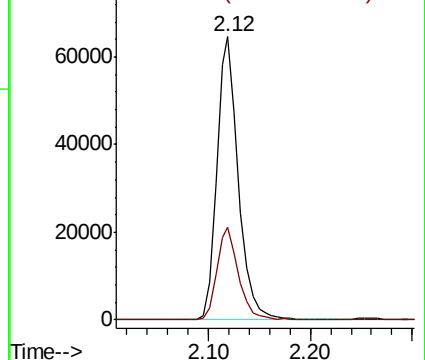
50 100

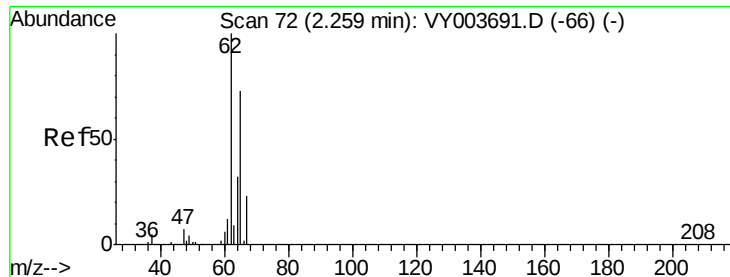
52 32.5 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 25.433 ug/L

RT: 2.26 min Scan# 72

Delta R.T. 0.00 min

Lab File: VY003741.D

Acq: 11 Dec 2020 21:23

Instrument :

MSVOA_Y

ClientSampleId :

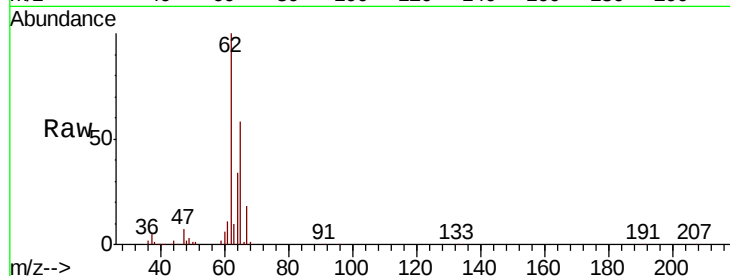
VSTD02595

Tot Ion: 62 Resp: 105800

Ion Ratio Lower Upper

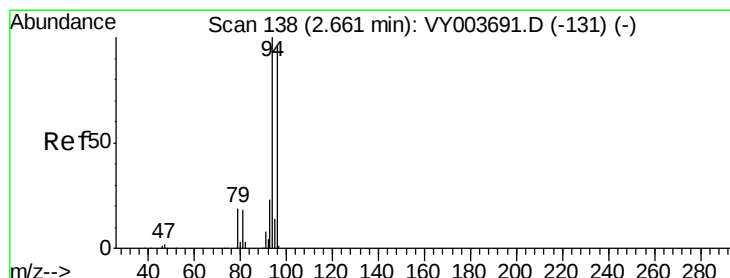
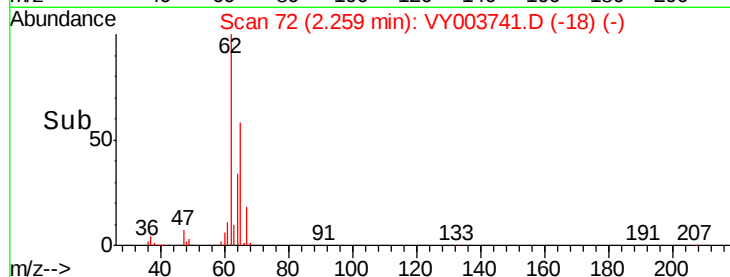
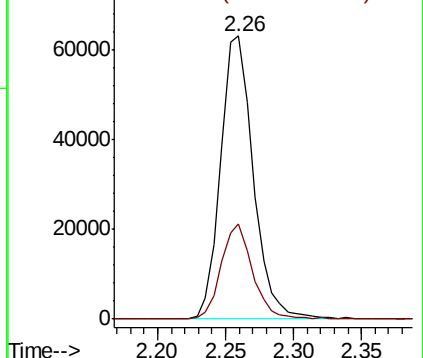
62 100

64 33.6 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: 25.265 ug/L

RT: 2.66 min Scan# 138

Delta R.T. -0.01 min

Lab File: VY003741.D

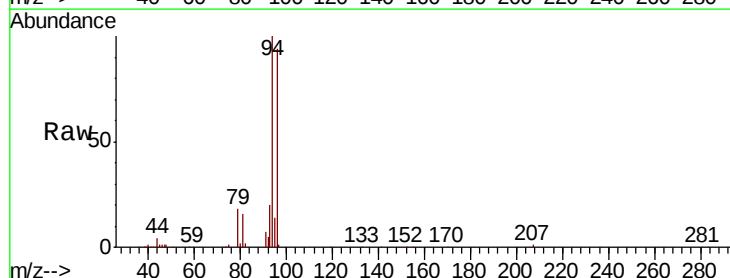
Acq: 11 Dec 2020 21:23

Tgt Ion: 94 Resp: 67956

Ion Ratio Lower Upper

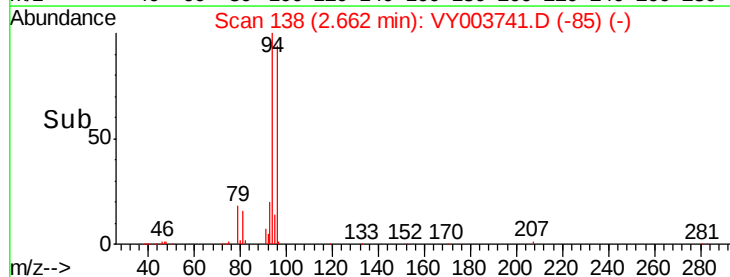
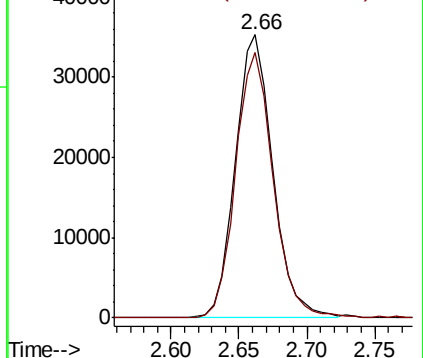
94 100

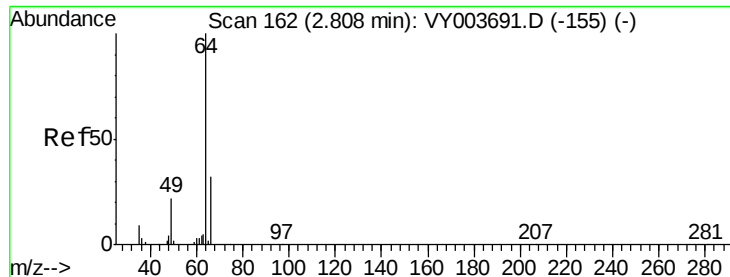
96 94.0 9.2 174.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

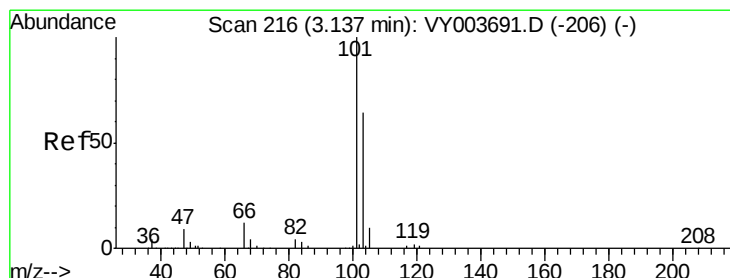
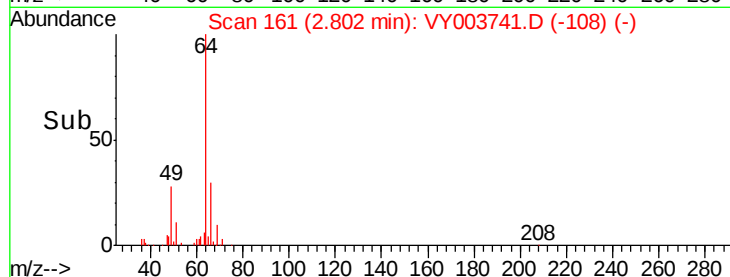
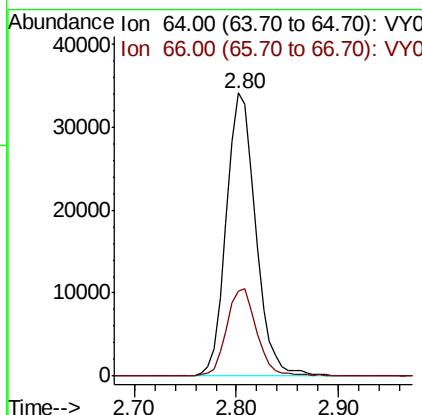
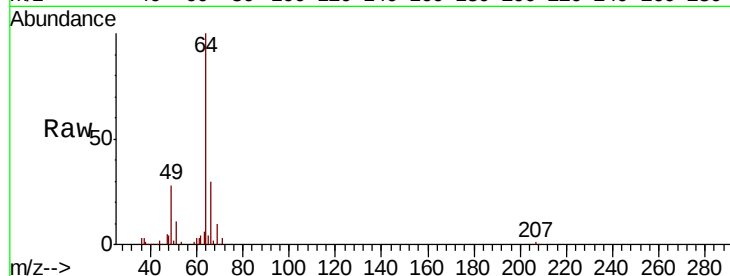




#8
Chloroethane
Concen: 26.909 ug/L
RT: 2.80 min Scan# 161
Delta R.T. -0.01 min
Lab File: VY003741.D
Acq: 11 Dec 2020 21:23

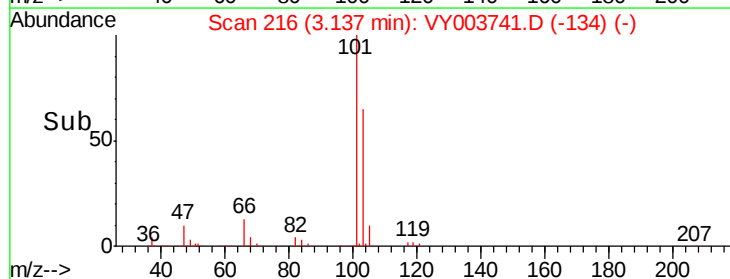
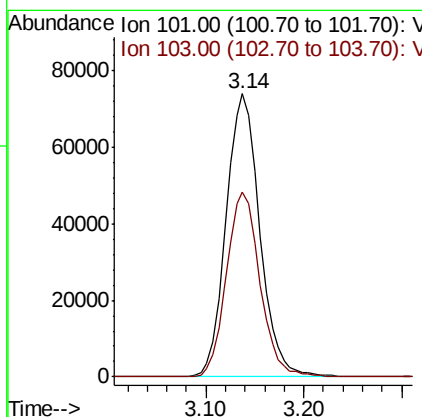
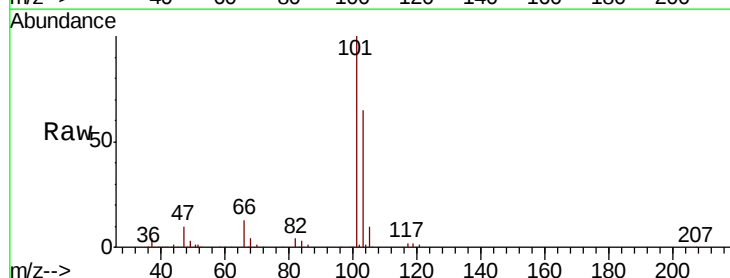
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02595

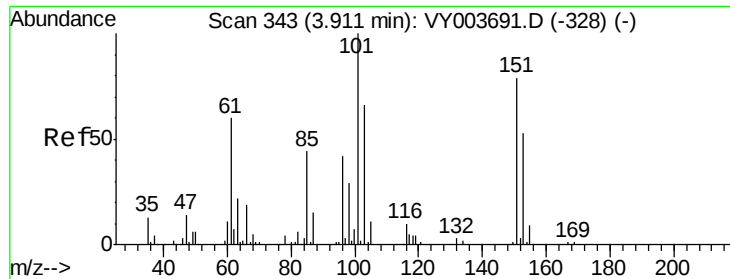
Tot Ion: 64 Resp: 68157
Ion Ratio Lower Upper
64 100
66 30.2 23.8 44.2



#9
Trichlorofluoromethane
Concen: 27.779 ug/L
RT: 3.14 min Scan# 216
Delta R.T. 0.00 min
Lab File: VY003741.D
Acq: 11 Dec 2020 21:23

Tgt Ion: 101 Resp: 176930
Ion Ratio Lower Upper
101 100
103 65.1 45.1 83.7





#11

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

Concen: 26.485 ug/L

RT: 3.91 min Scan# 343

Delta R.T. -0.01 min

Lab File: VY003741.D

Acq: 11 Dec 2020 21:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02595

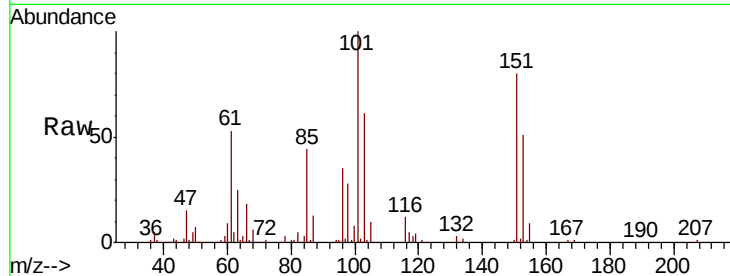
Tot Ion:101 Resp: 108436

Ion Ratio Lower Upper

101 100

85 43.6 33.9 50.9

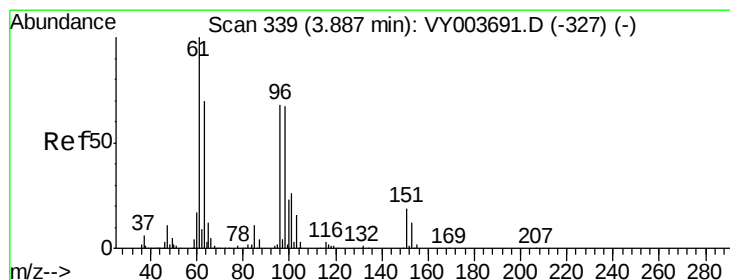
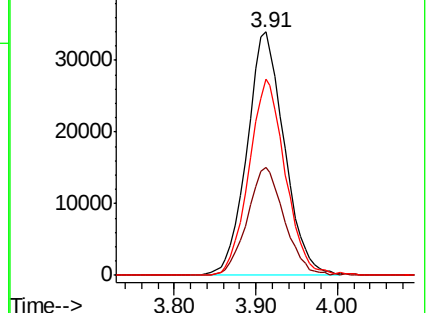
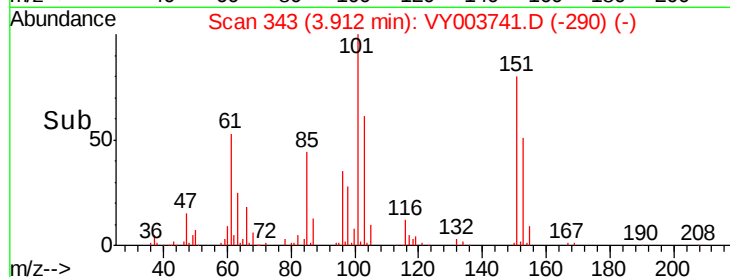
151 78.1 65.0 97.4



Abundance Ion 101.00 (100.70 to 101.70): VY003741.D (-290) (-)

Ion 85.00 (84.70 to 85.70): VY003741.D (-290) (-)

Ion 151.00 (150.70 to 151.70): VY003741.D (-290) (-)



#12

1,1-Dichloroethene

Concen: 26.011 ug/L

RT: 3.89 min Scan# 339

Delta R.T. 0.00 min

Lab File: VY003741.D

Acq: 11 Dec 2020 21:23

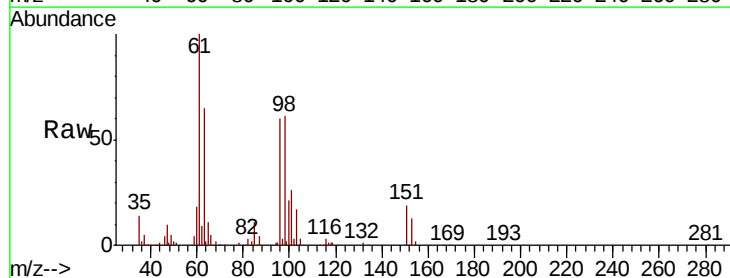
Tgt Ion: 96 Resp: 100409

Ion Ratio Lower Upper

96 100

61 165.6 108.5 201.5

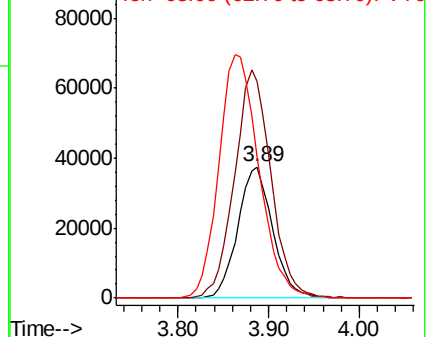
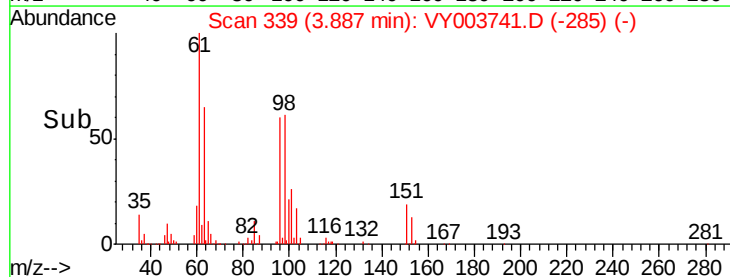
63 107.3 87.8 163.0

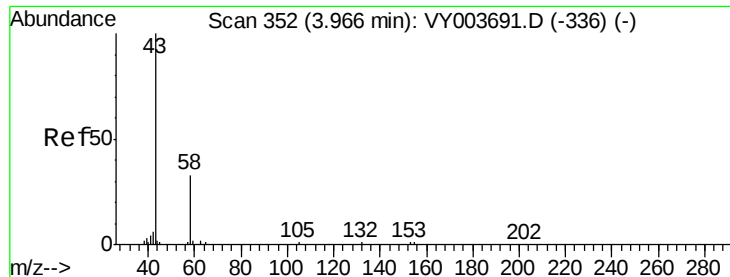


Abundance Ion 96.00 (95.70 to 96.70): VY003741.D (-285) (-)

Ion 61.00 (60.70 to 61.70): VY003741.D (-285) (-)

Ion 63.00 (62.70 to 63.70): VY003741.D (-285) (-)





#13

Acetone

Concen: 55.746 ug/L

RT: 3.96 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY003741.D

Acq: 11 Dec 2020 21:23

Instrument :

MSVOA_Y

ClientSampleId :

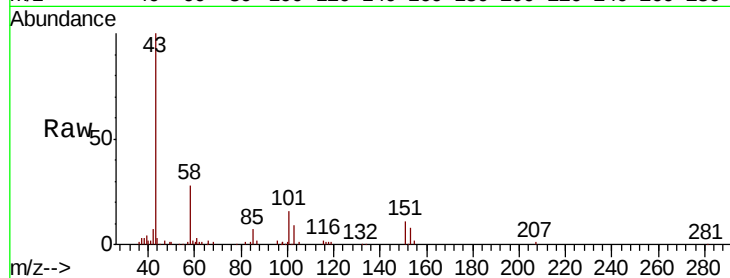
VSTD02595

Tot Ion: 43 Resp: 66453

Ion Ratio Lower Upper

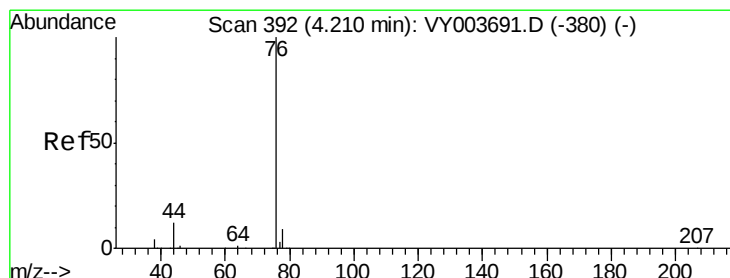
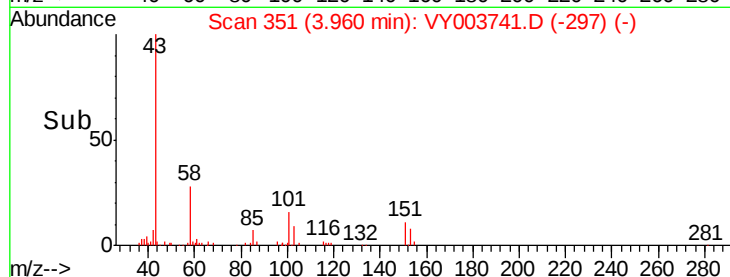
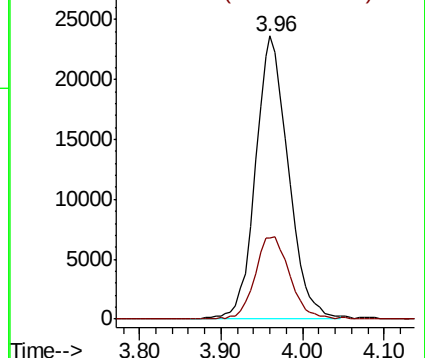
43 100

58 30.5 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VY003691.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VY003691.D (-336) (-)



#14

Carbon disulfide

Concen: 24.303 ug/L

RT: 4.20 min Scan# 391

Delta R.T. -0.01 min

Lab File: VY003741.D

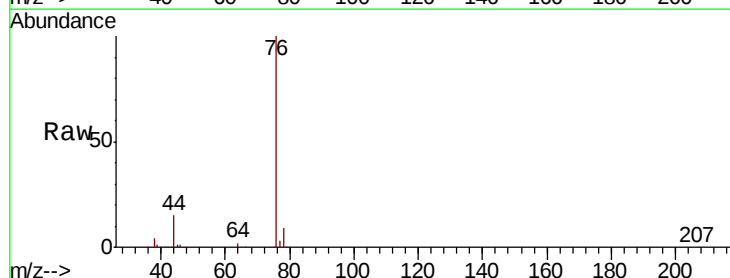
Acq: 11 Dec 2020 21:23

Tgt Ion: 76 Resp: 312693

Ion Ratio Lower Upper

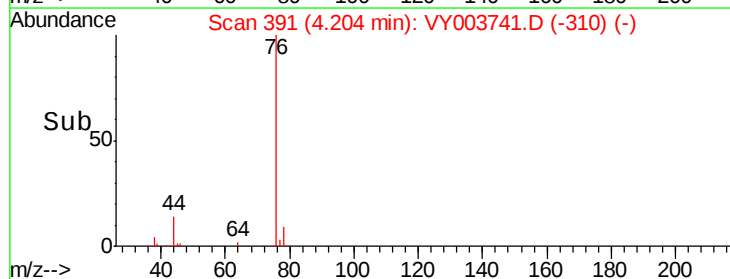
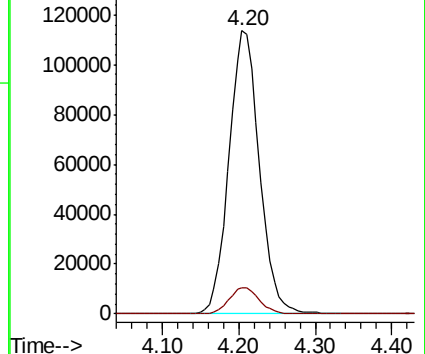
76 100

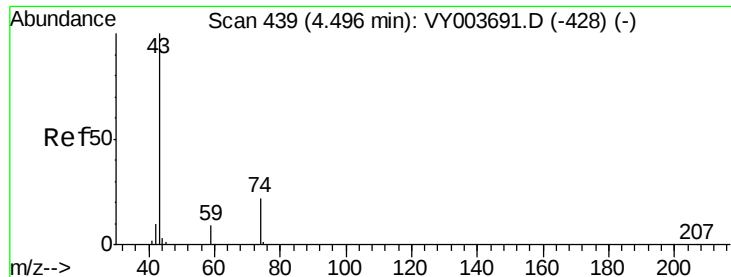
78 9.2 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY003691.D (-380) (-)

Ion 78.00 (77.70 to 78.70): VY003691.D (-380) (-)





#15

Methyl Acetate

Concen: 28.537 ug/L

RT: 4.49 min Scan# 438

Delta R.T. 0.01 min

Lab File: VY003741.D

Acq: 11 Dec 2020 21:23

Instrument :

MSVOA_Y

ClientSampleId :

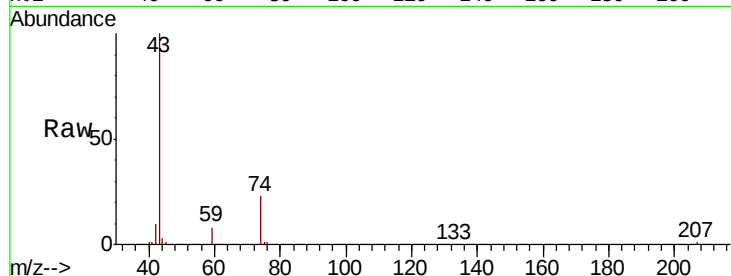
VSTD02595

Tot Ion: 43 Resp: 85597

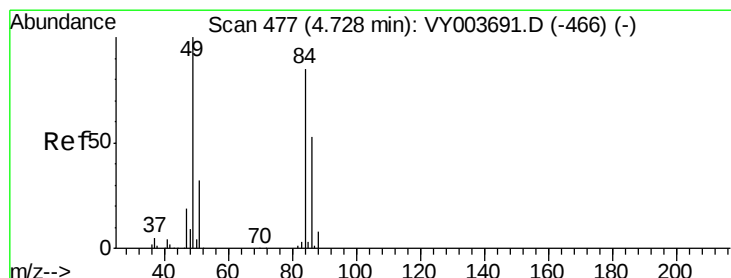
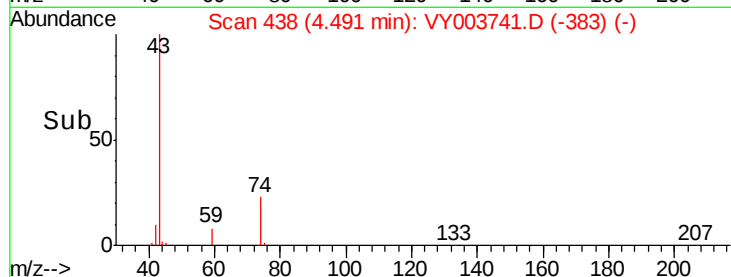
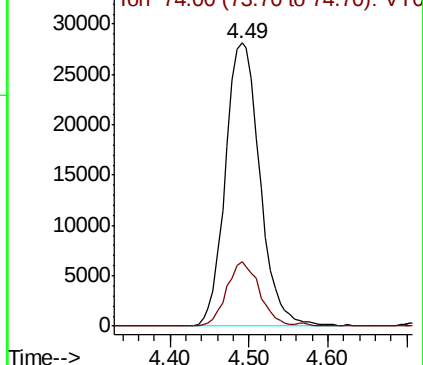
Ion Ratio Lower Upper

43 100

74 21.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VY003741.D (-428) (-)



#16

Methylene chloride

Concen: 21.432 ug/L

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VY003741.D

Acq: 11 Dec 2020 21:23

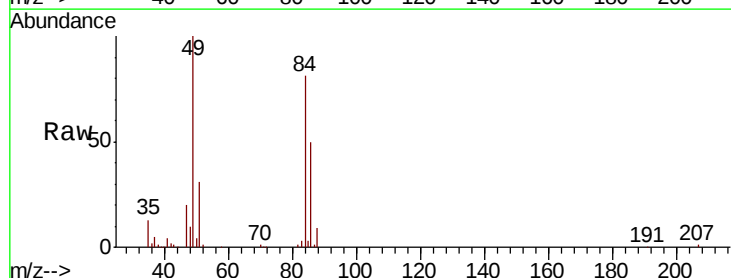
Tgt Ion: 84 Resp: 121388

Ion Ratio Lower Upper

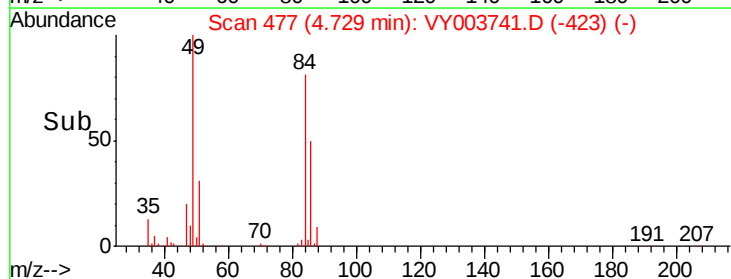
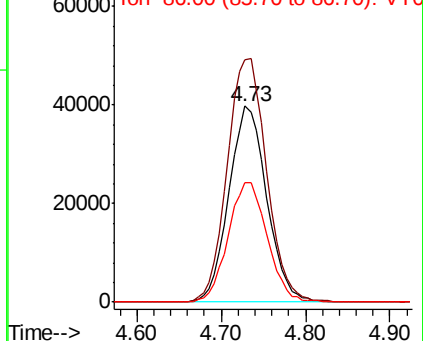
84 100

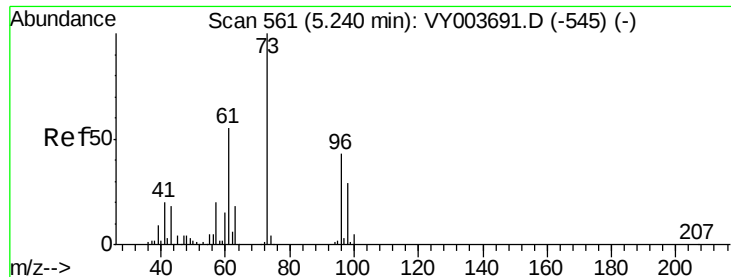
49 123.5 83.7 155.4

86 61.1 45.0 83.6



Abundance Ion 84.00 (83.70 to 84.70): VY003741.D (-466) (-)

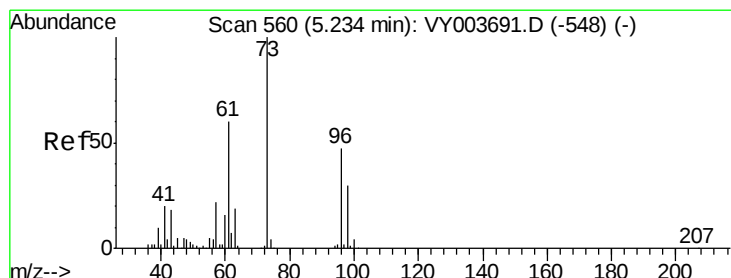
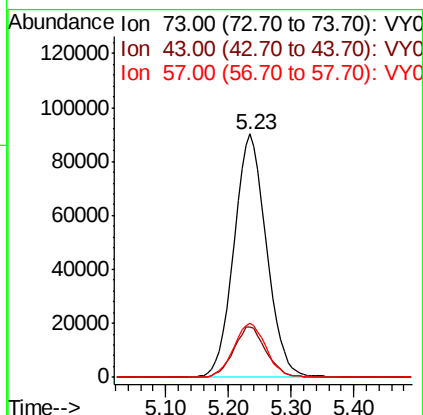
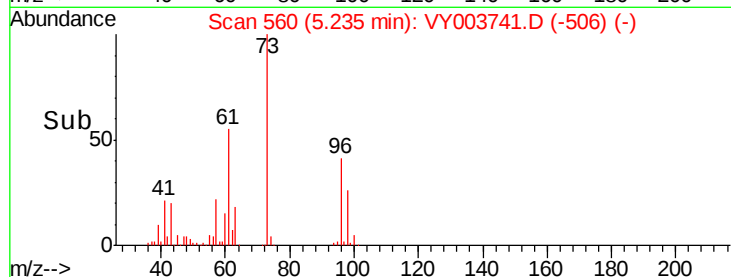
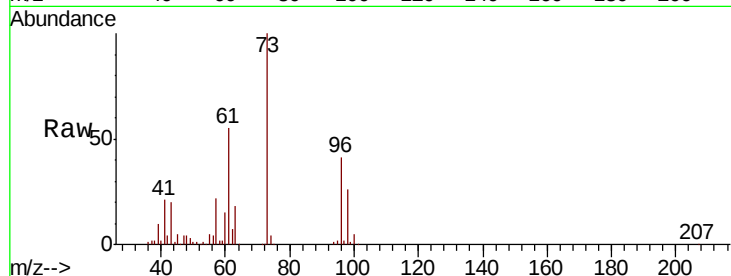




#17
Methvl tert-butvl Ether
Concen: 29.492 ug/L
RT: 5.23 min Scan# 560
Delta R.T. 0.00 min
Lab File: VY003741.D
Acq: 11 Dec 2020 21:23

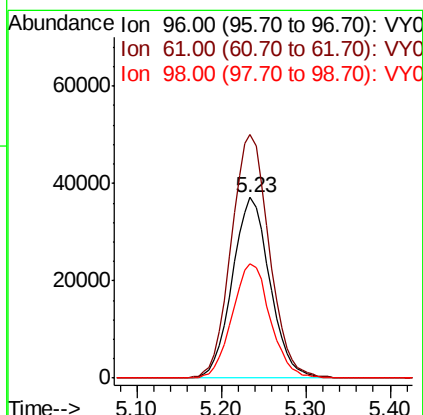
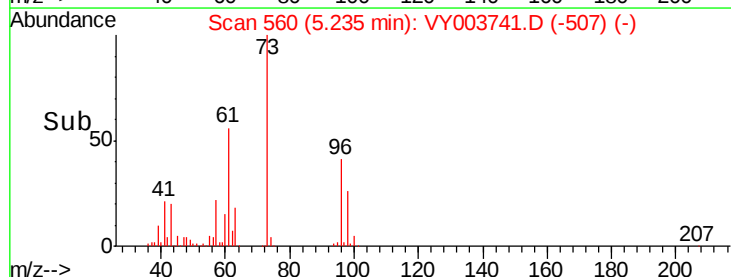
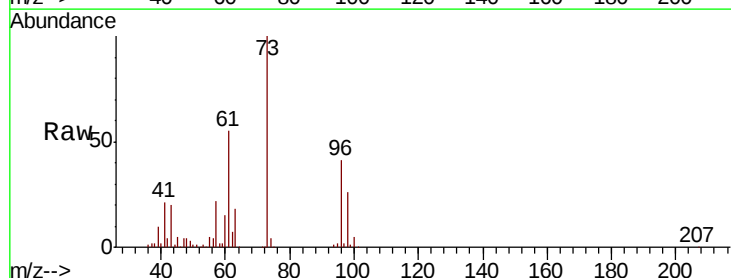
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02595

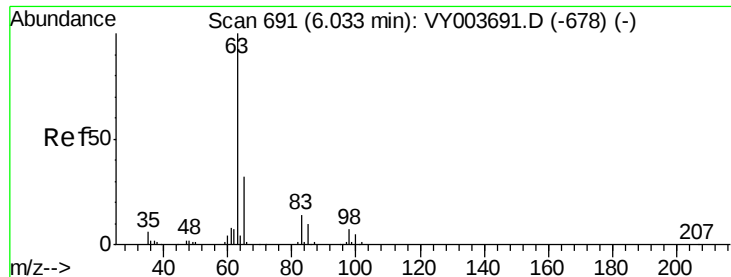
Tot Ion: 73 Resp: 322715
Ion Ratio Lower Upper
73 100
43 20.7 14.9 22.3
57 22.2 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 25.875 ug/L
RT: 5.23 min Scan# 560
Delta R.T. -0.01 min
Lab File: VY003741.D
Acq: 11 Dec 2020 21:23

Tgt Ion: 96 Resp: 112465
Ion Ratio Lower Upper
96 100
61 134.9 90.8 168.6
98 63.6 44.2 82.0

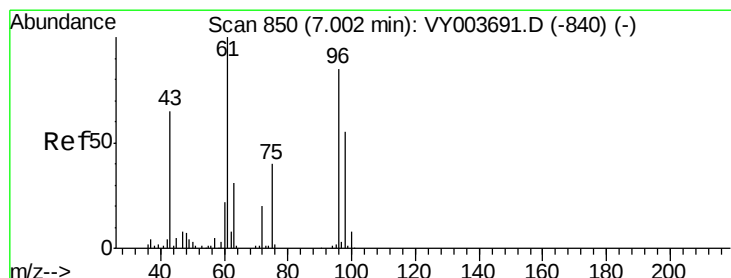
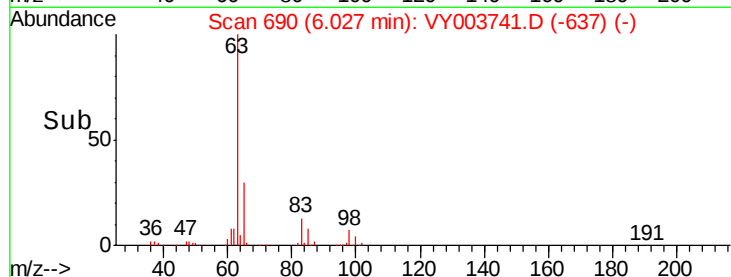
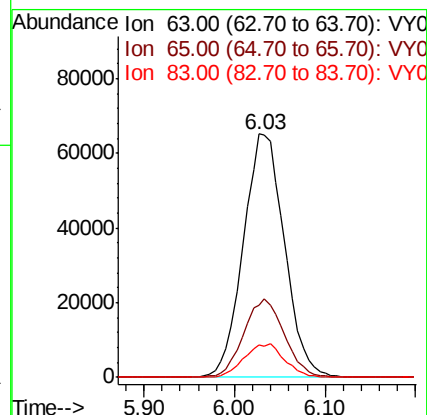
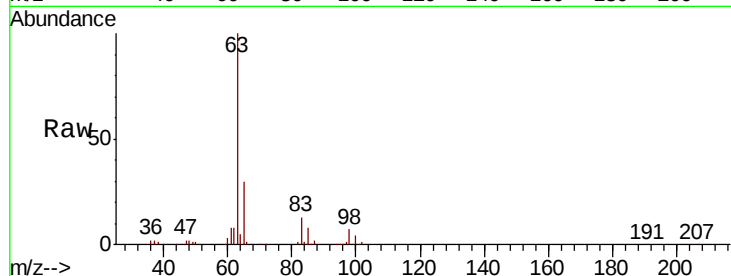




#19
 1,1-Dichloroethane
 Concen: 28.097 ug/L
 RT: 6.03 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VY003741.D
 Acq: 11 Dec 2020 21:23

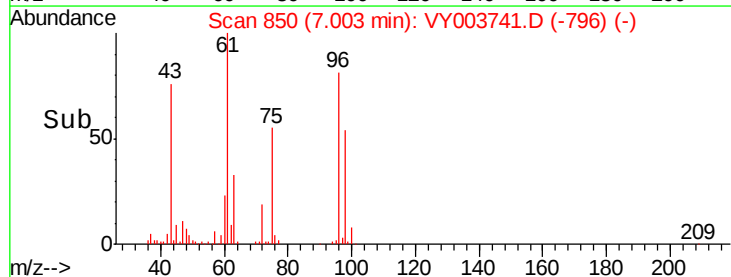
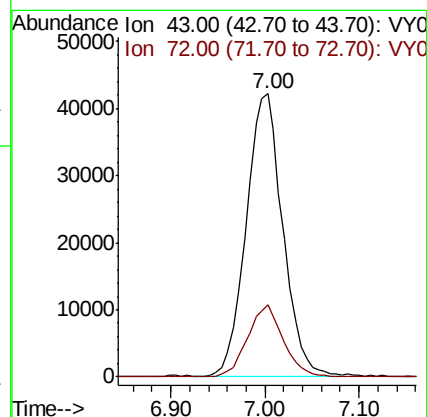
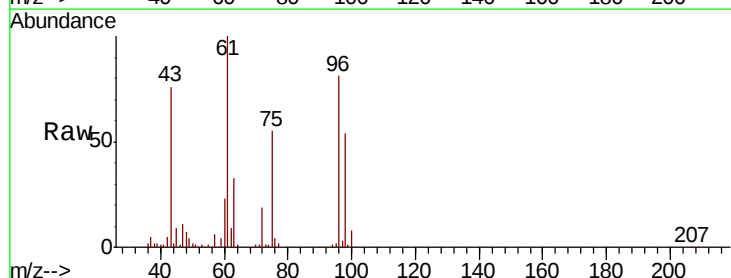
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02595

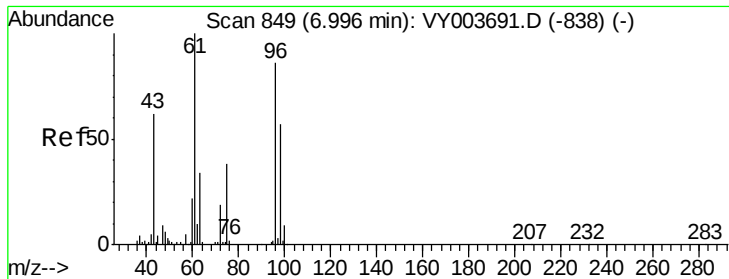
Tot Ion: 63 Resp: 205015
 Ion Ratio Lower Upper
 63 100
 65 29.6 22.7 42.1
 83 13.5 9.7 17.9



#21
 2-Butanone
 Concen: 54.255 ug/L
 RT: 7.00 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VY003741.D
 Acq: 11 Dec 2020 21:23

Tgt Ion: 43 Resp: 114205
 Ion Ratio Lower Upper
 43 100
 72 24.7 13.3 39.9



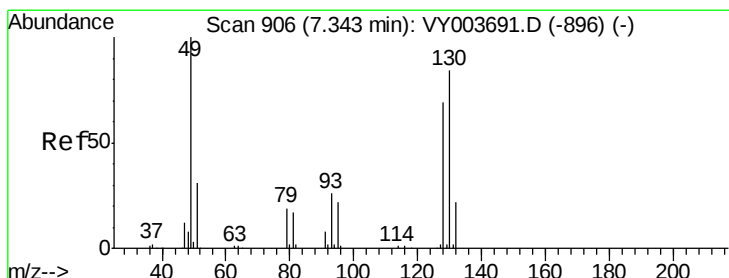
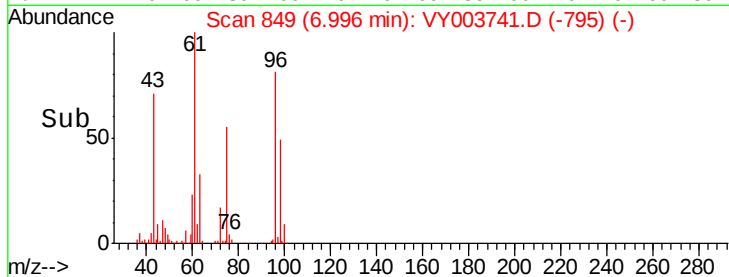
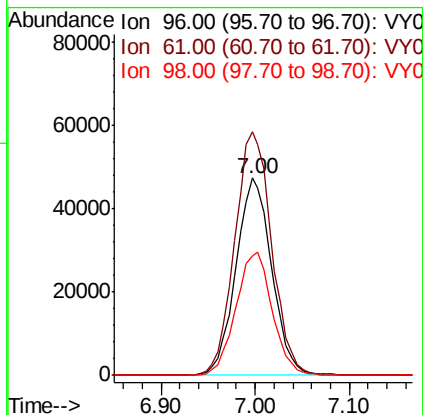
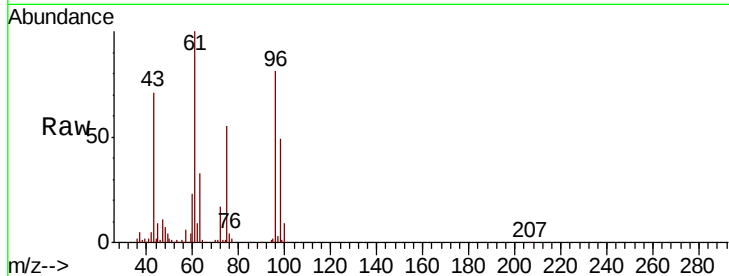


#22

cis-1,2-Dichloroethene
 Concen: 27.094 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VY003741.D
 Acq: 11 Dec 2020 21:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02595

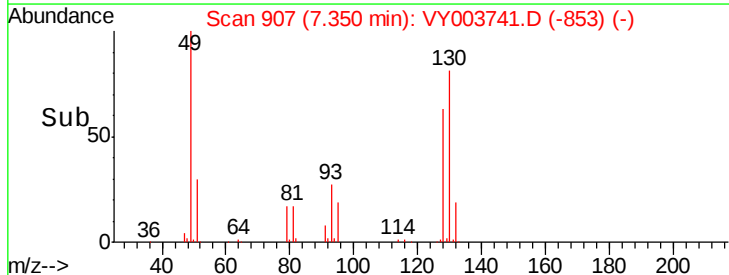
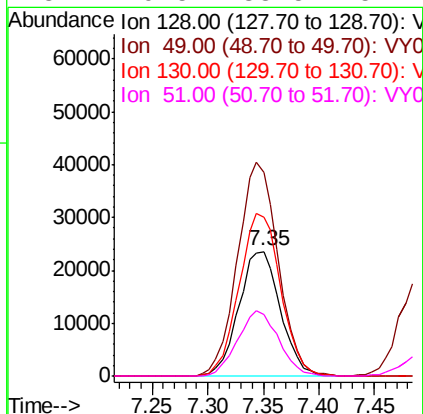
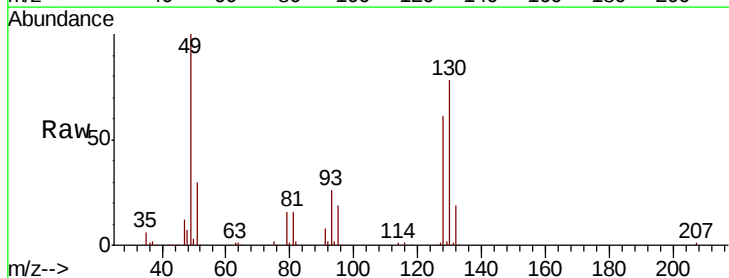
Tot Ion	Ratio	Lower	Upper
96	100		
61	123.6	85.8	159.4
98	60.8	46.5	86.3

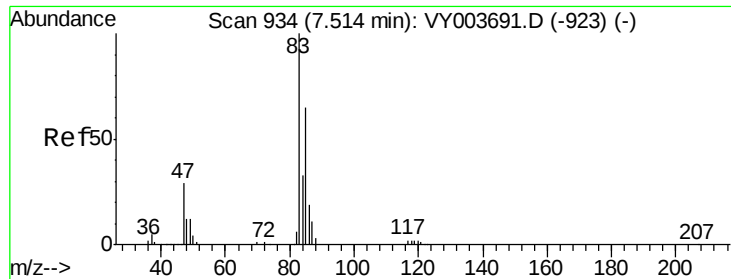


#23

Bromochloromethane
 Concen: 26.391 ug/L
 RT: 7.35 min Scan# 907
 Delta R.T. 0.00 min
 Lab File: VY003741.D
 Acq: 11 Dec 2020 21:23

Tgt Ion	Ratio	Lower	Upper
128	100		
49	163.7	113.8	211.3
130	128.2	89.7	166.5
51	49.5	38.5	57.7

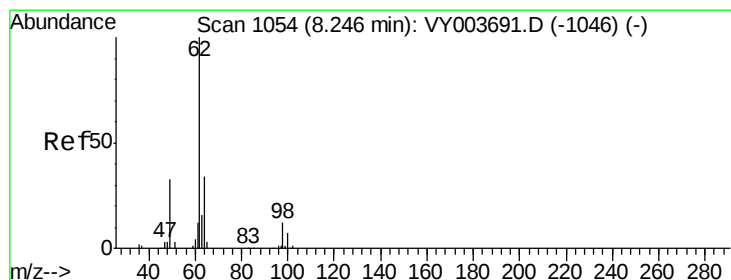
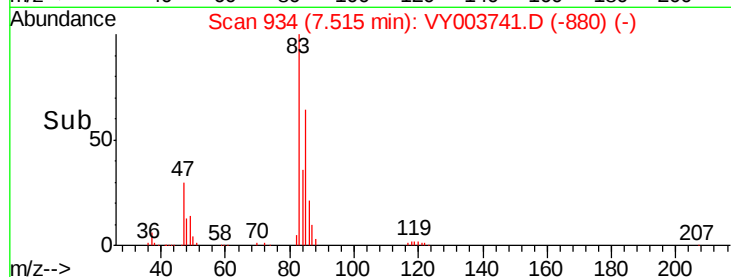
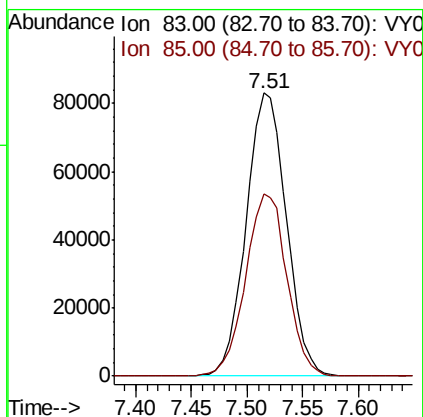
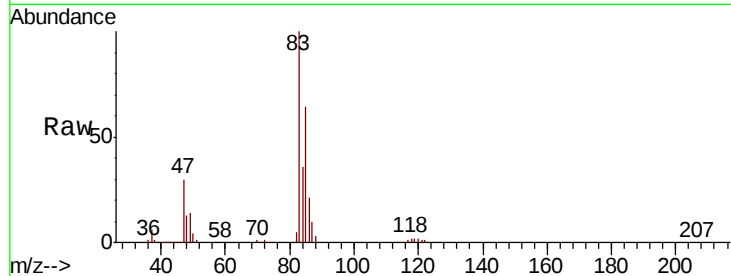




#25
Chloroform
Concen: 28.328 ug/L
RT: 7.51 min Scan# 934
Delta R.T. 0.00 min
Lab File: VY003741.D
Acq: 11 Dec 2020 21:23

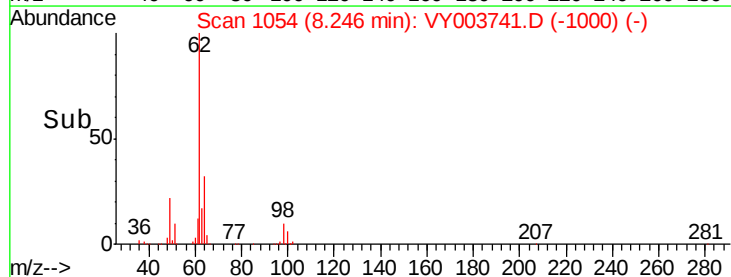
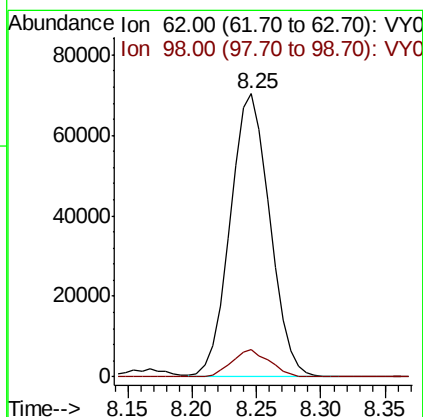
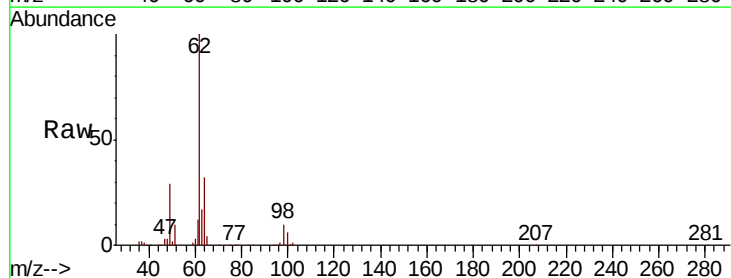
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02595

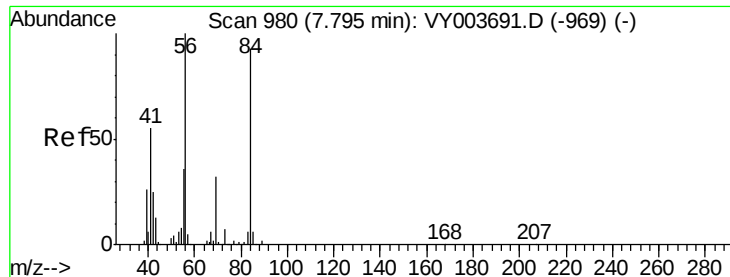
Tot Ion: 83 Resp: 209245
Ion Ratio Lower Upper
83 100
85 66.1 46.5 86.5



#27
1,2-Dichloroethane
Concen: 30.080 ug/L
RT: 8.25 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VY003741.D
Acq: 11 Dec 2020 21:23

Tgt Ion: 62 Resp: 150290
Ion Ratio Lower Upper
62 100
98 9.6 8.0 12.0

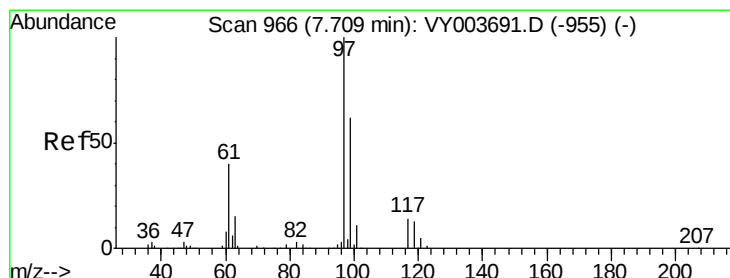
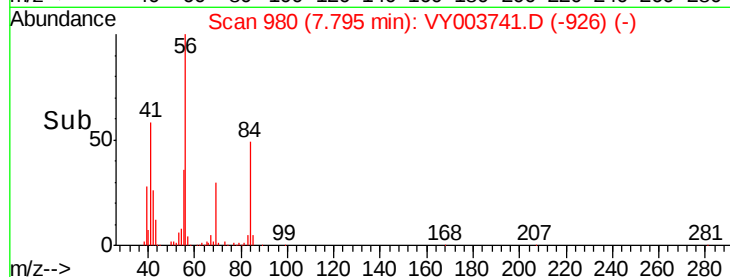
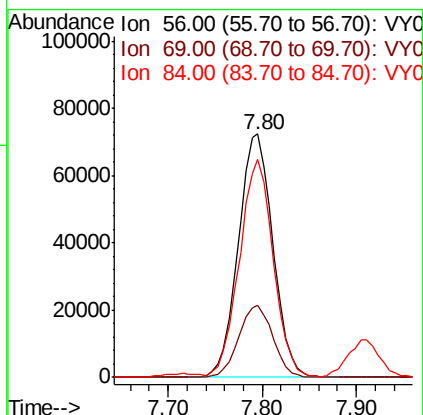
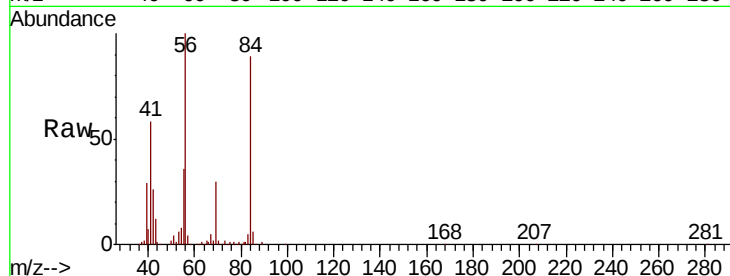




#30
Cyclohexane
Concen: 28.279 ug/L
RT: 7.80 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY003741.D
Acq: 11 Dec 2020 21:23

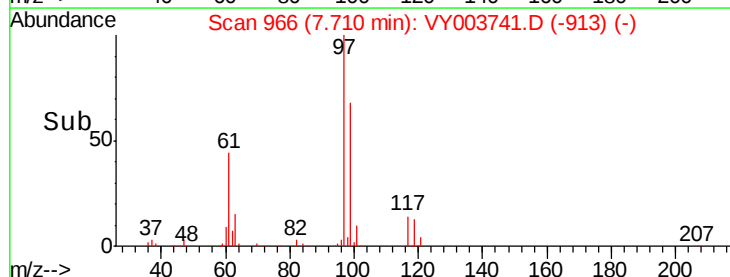
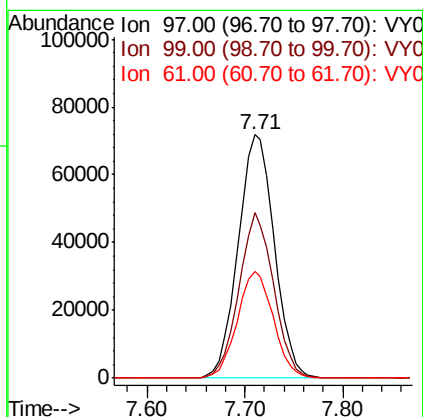
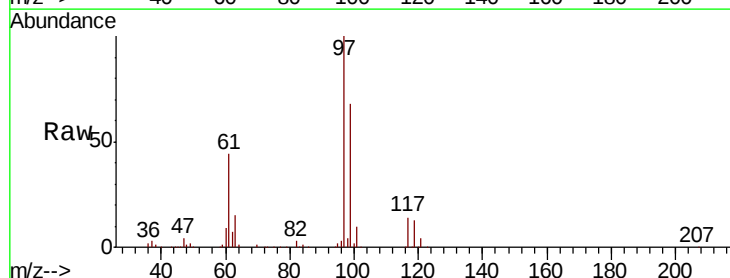
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02595

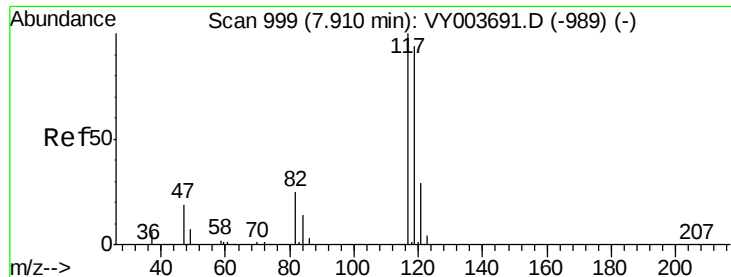
Tot Ion: 56 Resp: 185701
Ion Ratio Lower Upper
56 100
69 29.2 23.8 35.8
84 87.7 73.2 109.8



#31
1,1,1-Trichloroethane
Concen: 28.385 ug/L
RT: 7.71 min Scan# 966
Delta R.T. -0.01 min
Lab File: VY003741.D
Acq: 11 Dec 2020 21:23

Tgt Ion: 97 Resp: 184426
Ion Ratio Lower Upper
97 100
99 65.1 51.4 77.0
61 43.6 34.0 51.0



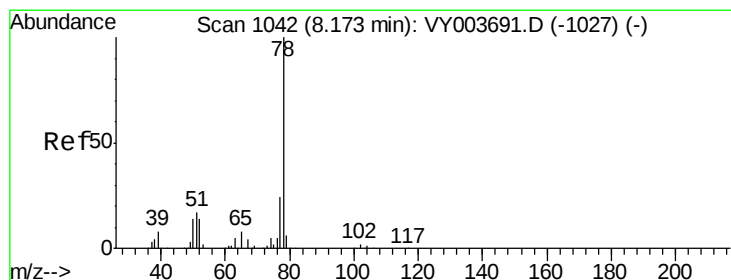
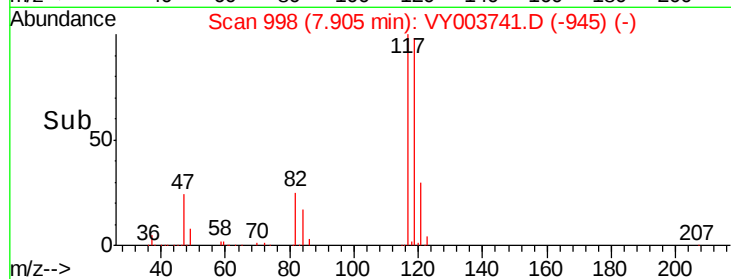
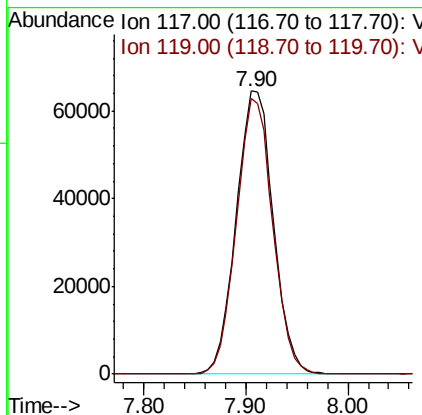
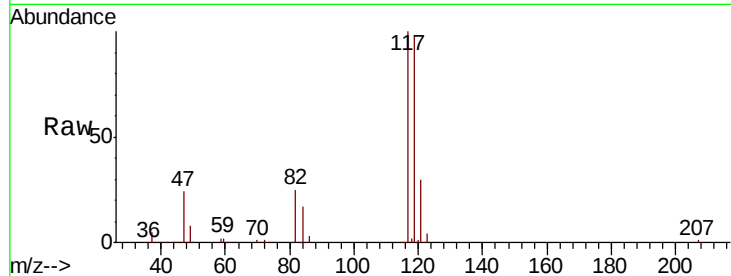


#32

Carbon tetrachloride
Concen: 28.200 ug/L
RT: 7.90 min Scan# 998
Delta R.T. -0.01 min
Lab File: VY003741.D
Acq: 11 Dec 2020 21:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTD02595

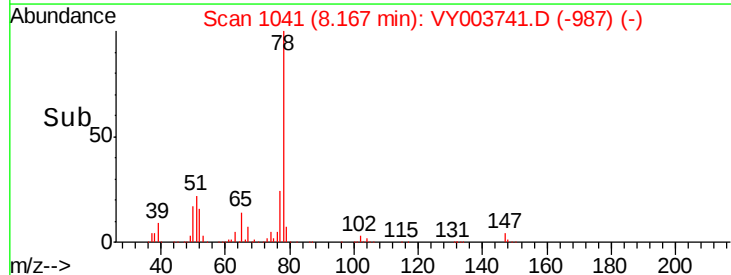
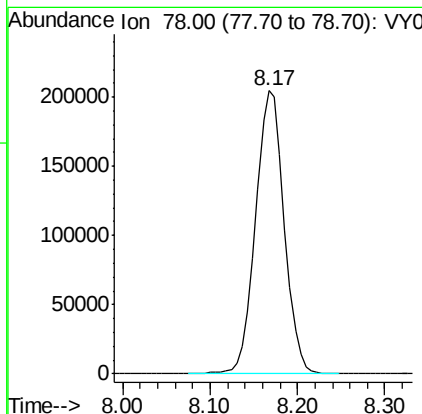
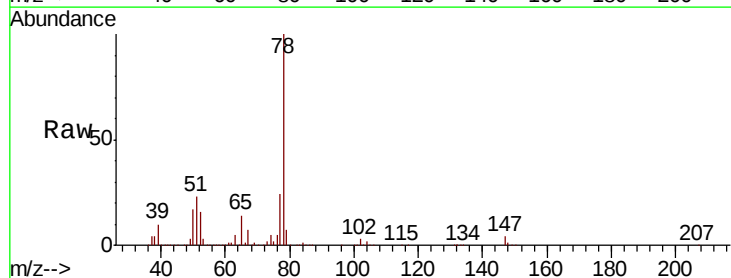
Tot Ion:117 Resp: 162647
Ion Ratio Lower Upper
117 100
119 95.3 75.4 113.0

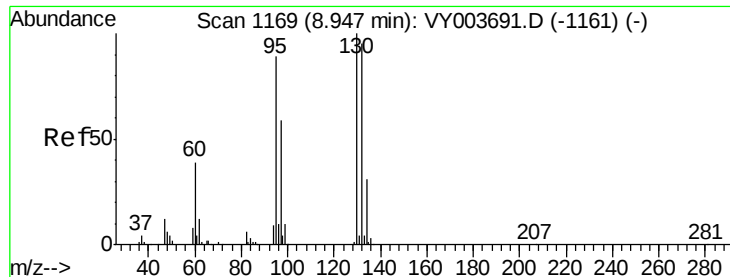


#34

Benzene
Concen: 26.566 ug/L
RT: 8.17 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VY003741.D
Acq: 11 Dec 2020 21:23

Tgt Ion: 78 Resp: 463212





#35

Trichloroethene

Concen: 26.268 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. -0.01 min

Lab File: VY003741.D

Acq: 11 Dec 2020 21:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02595

Tot Ion: 95 Resp: 125751

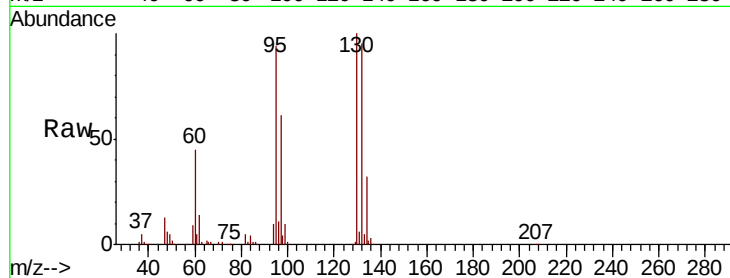
Ion Ratio Lower Upper

95 100

97 64.6 45.8 85.0

132 102.5 74.2 137.8

130 106.2 76.2 141.6

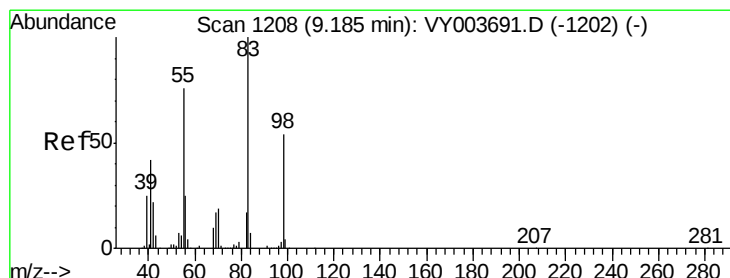
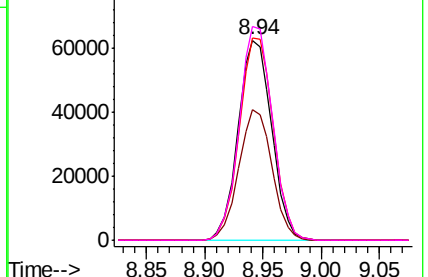
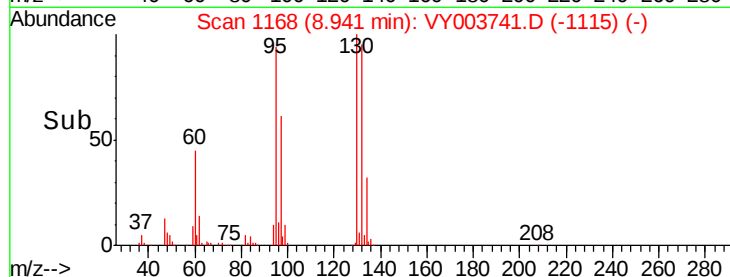


Abundance Ion 95.00 (94.70 to 95.70): VY0

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: 27.067 ug/L

RT: 9.19 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VY003741.D

Acq: 11 Dec 2020 21:23

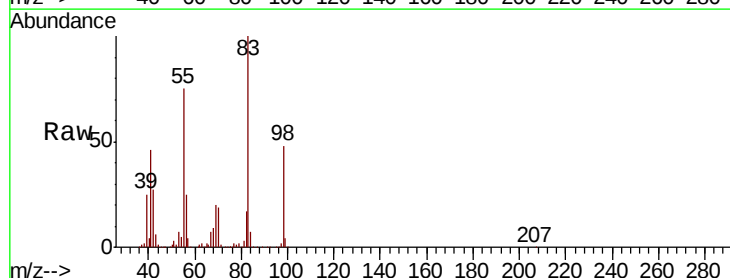
Tgt Ion: 83 Resp: 198568

Ion Ratio Lower Upper

83 100

55 76.1 56.4 84.6

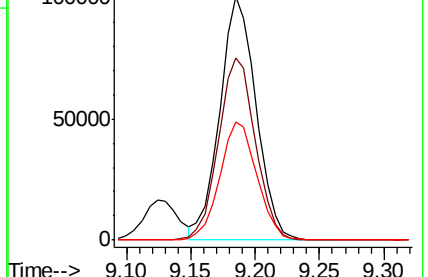
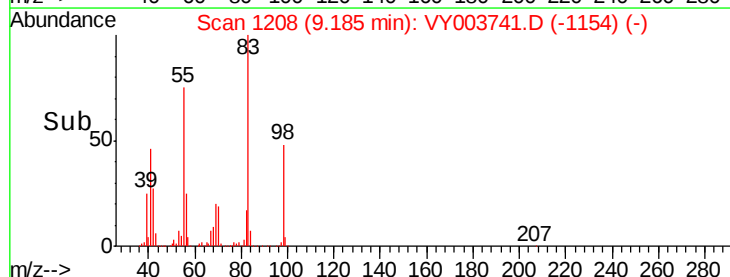
98 49.6 40.3 60.5

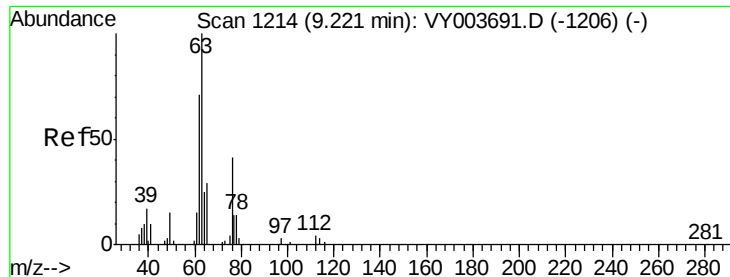


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#40

1,2-Dichloropropane

Concen: 28.162 ug/L

RT: 9.22 min Scan# 1214

Delta R.T. 0.00 min

Lab File: VY003741.D

Acq: 11 Dec 2020 21:23

Instrument :

MSVOA_Y

ClientSampleId :

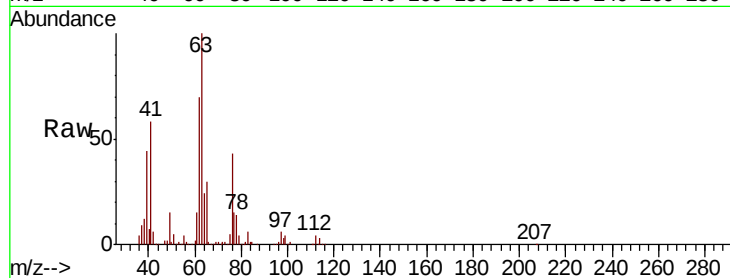
VSTD02595

Tot Ion: 63 Resp: 123157

Ion Ratio Lower Upper

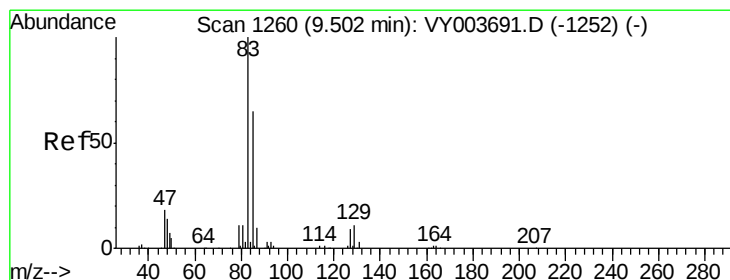
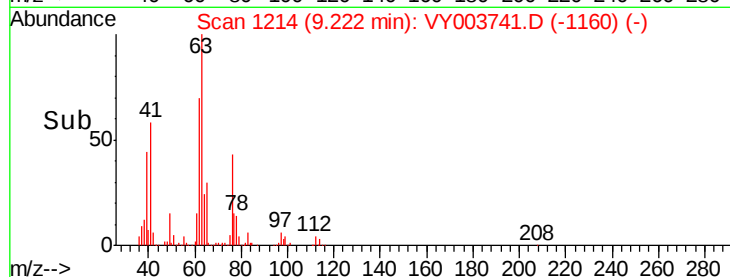
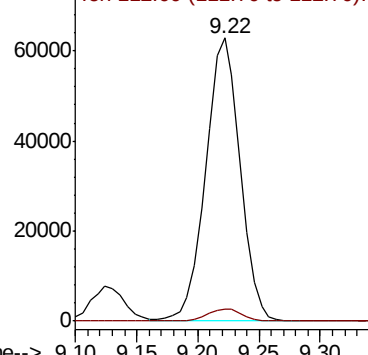
63 100

112 4.3 3.7 5.5



Abundance Ion 63.00 (62.70 to 63.70): VY0

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 28.825 ug/L

RT: 9.50 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VY003741.D

Acq: 11 Dec 2020 21:23

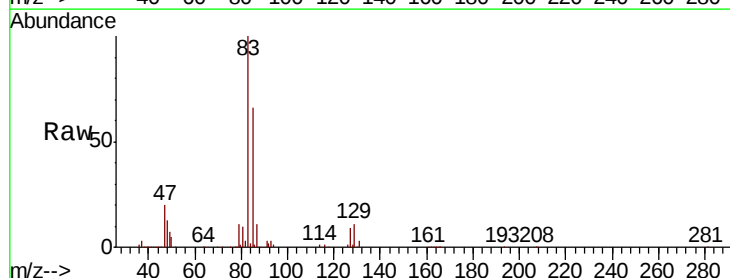
Tgt Ion: 83 Resp: 160161

Ion Ratio Lower Upper

83 100

85 66.1 44.0 81.6

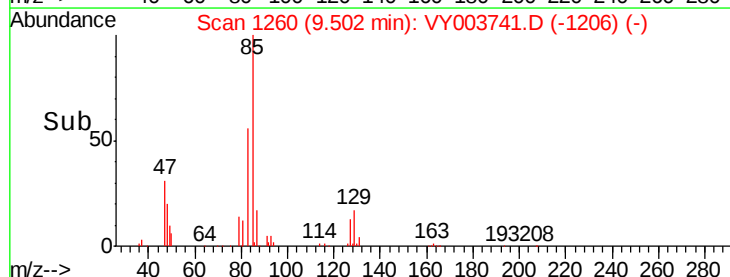
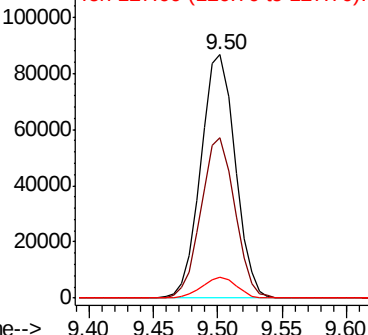
127 8.6 7.2 10.8

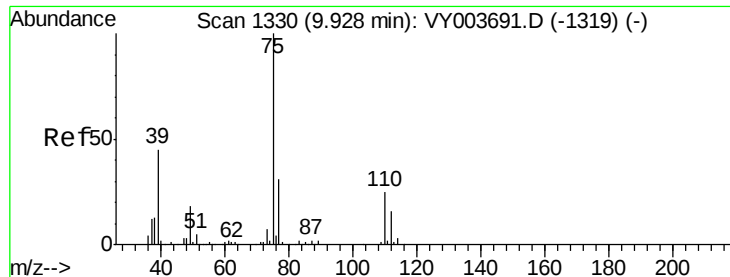


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 127.00 (126.70 to 127.70): V



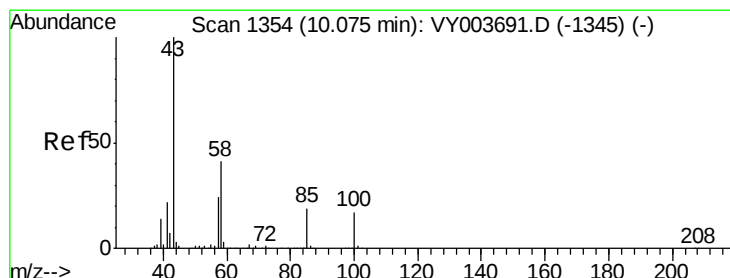
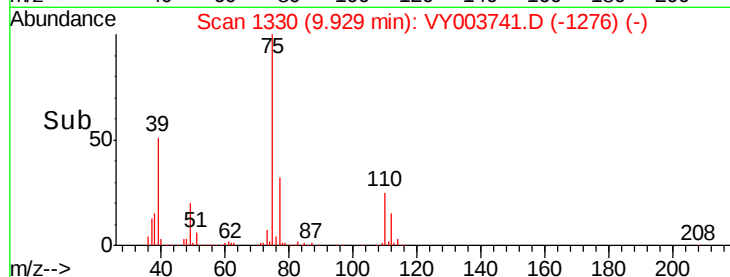
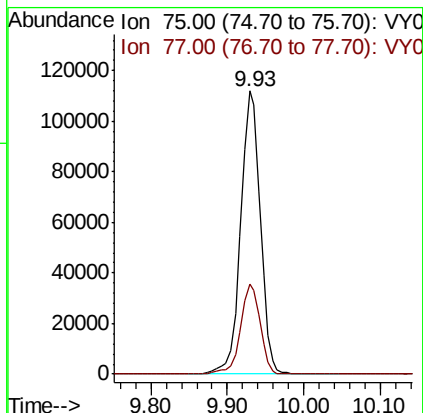
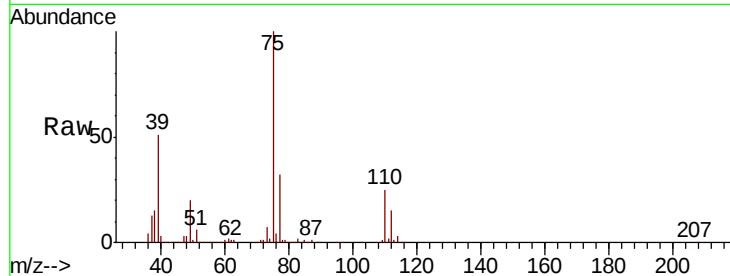


#42

cis-1,3-Dichloropropene
 Concen: 28.860 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VY003741.D
 Acq: 11 Dec 2020 21:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02595

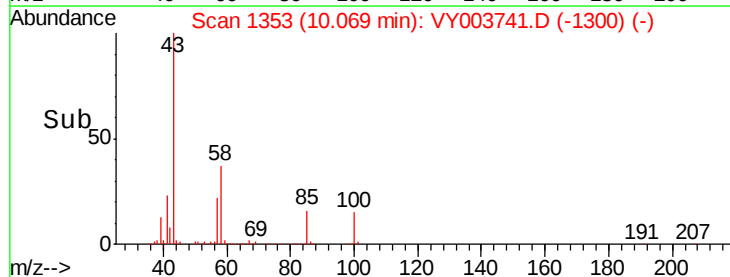
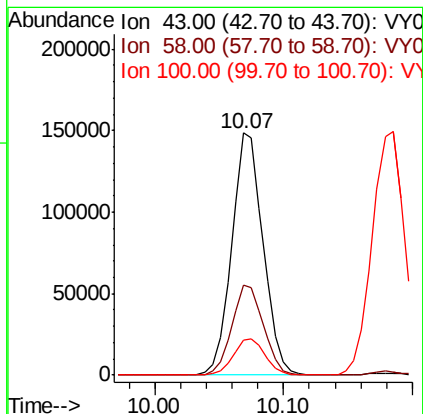
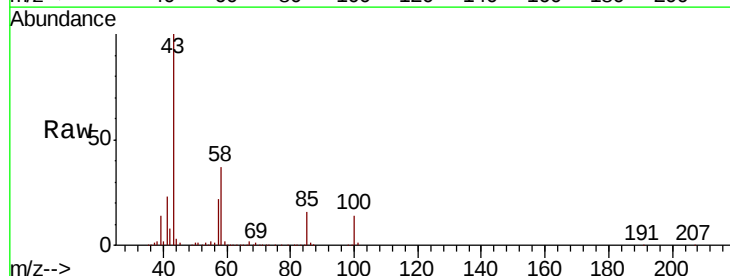
Tot Ion: 75 Resp: 198656
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.3 39.6

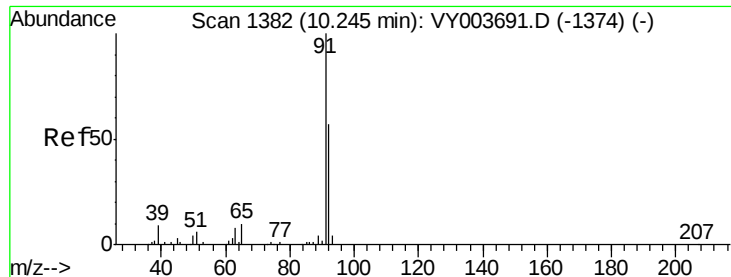


#43

4-Methyl-2-pentanone
 Concen: 60.914 ug/L
 RT: 10.07 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VY003741.D
 Acq: 11 Dec 2020 21:23

Tgt Ion: 43 Resp: 250219
 Ion Ratio Lower Upper
 43 100
 58 37.3 31.5 47.3
 100 15.2 12.7 19.1





#44

Toluene

Concen: 27.366 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003741.D

Acq: 11 Dec 2020 21:23

Instrument :

MSVOA_Y

ClientSampleId :

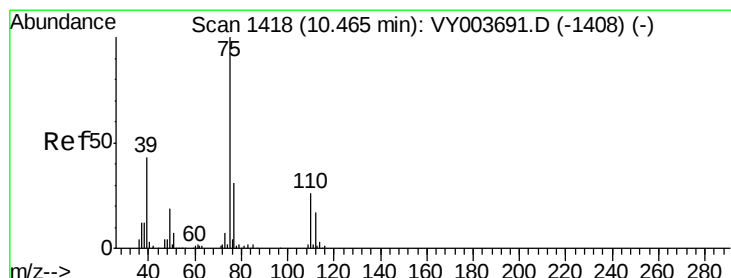
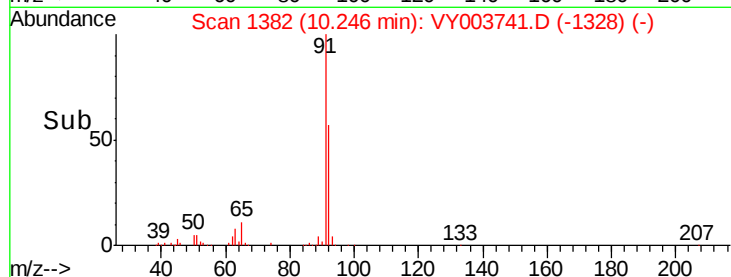
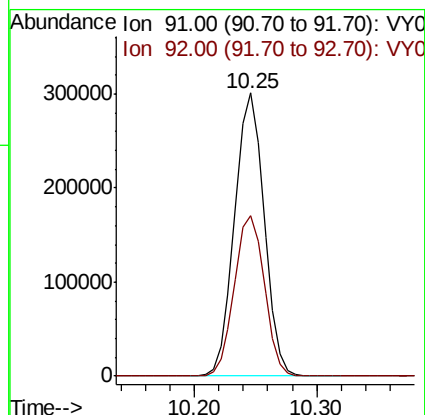
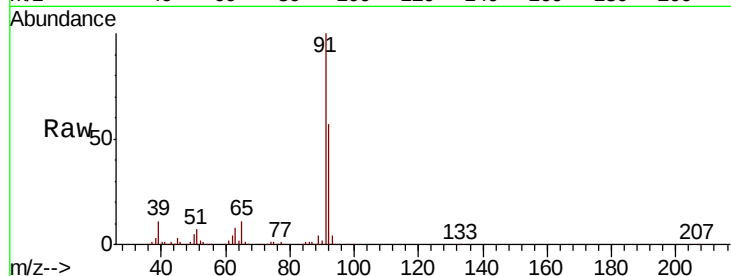
VSTD02595

Tot Ion: 91 Resp: 503334

Ion Ratio Lower Upper

91 100

92 56.5 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 29.200 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VY003741.D

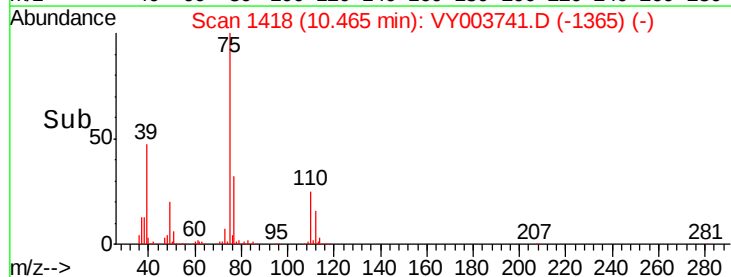
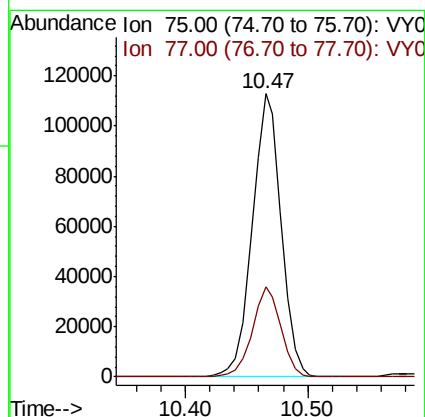
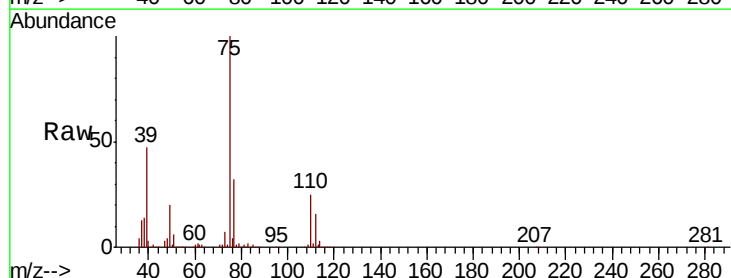
Acq: 11 Dec 2020 21:23

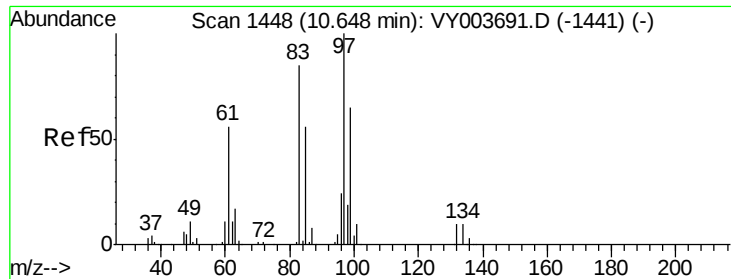
Tgt Ion: 75 Resp: 185260

Ion Ratio Lower Upper

75 100

77 31.6 22.0 40.8

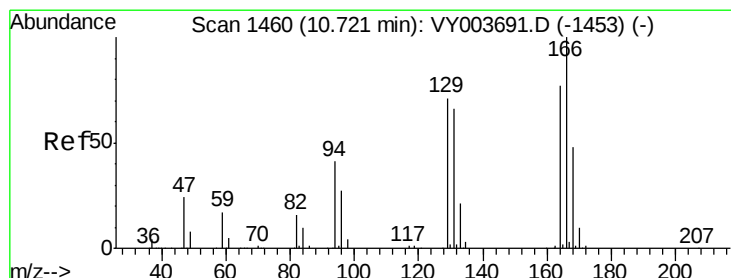
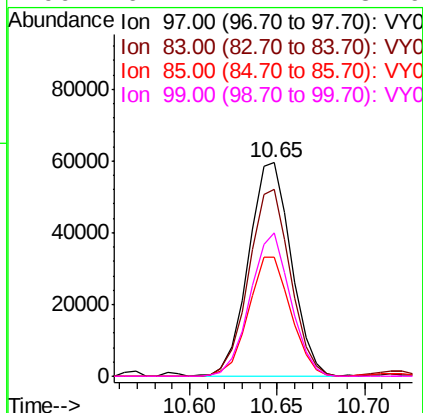
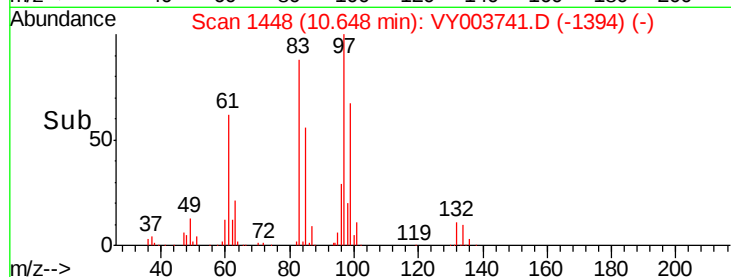
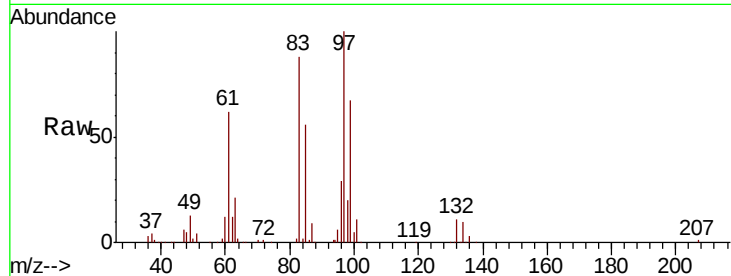




#46
1,1,2-Trichloroethane
Concen: 26.963 ug/L
RT: 10.65 min Scan# 1448
Delta R.T. 0.00 min
Lab File: VY003741.D
Acq: 11 Dec 2020 21:23

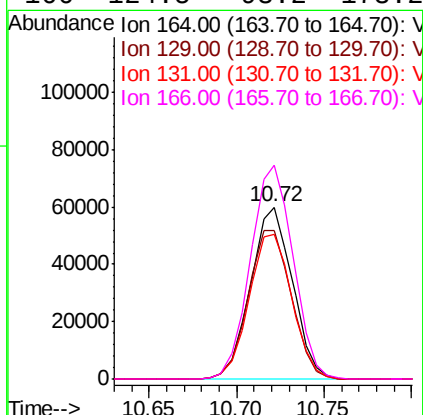
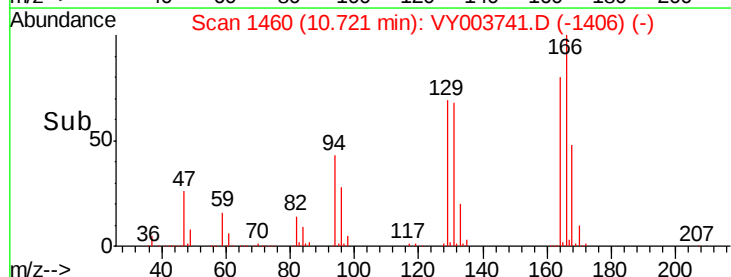
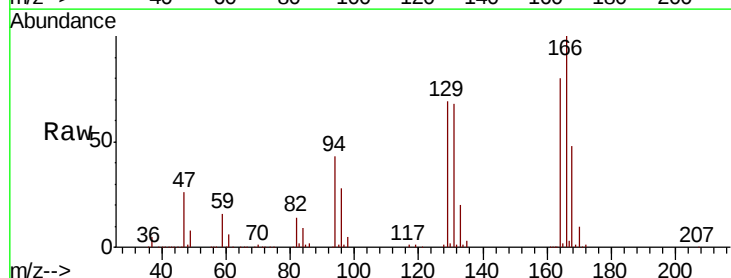
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02595

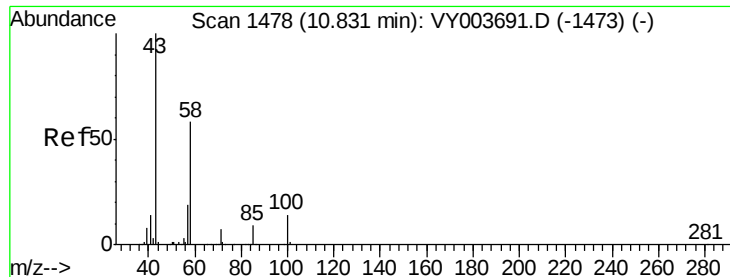
Tot Ion: 97 Resp: 101661
Ion Ratio Lower Upper
97 100
83 87.8 59.6 110.8
85 55.8 40.2 74.6
99 67.2 44.7 82.9



#47
Tetrachloroethene
Concen: 26.746 ug/L
RT: 10.72 min Scan# 1460
Delta R.T. 0.00 min
Lab File: VY003741.D
Acq: 11 Dec 2020 21:23

Tgt Ion:164 Resp: 99714
Ion Ratio Lower Upper
164 100
129 86.2 59.6 110.6
131 84.3 57.9 107.5
166 124.5 93.2 173.2

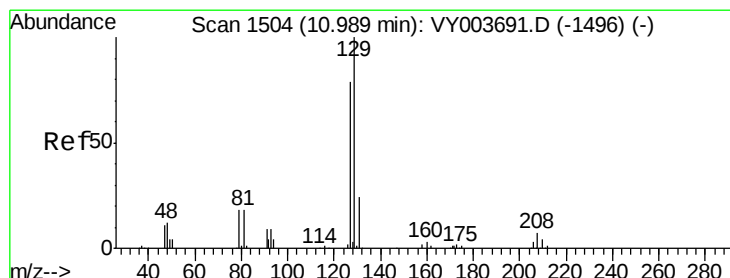
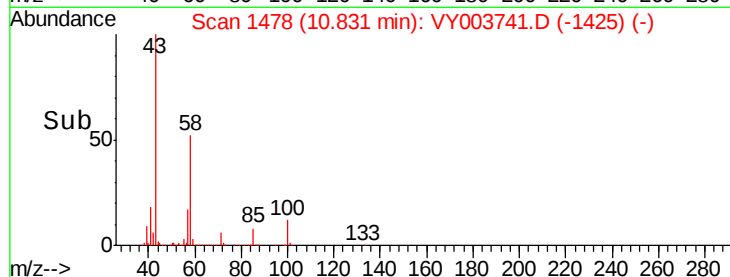
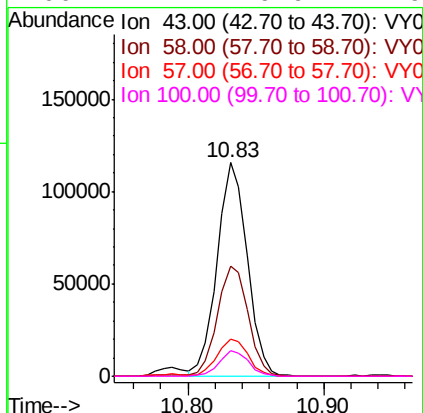
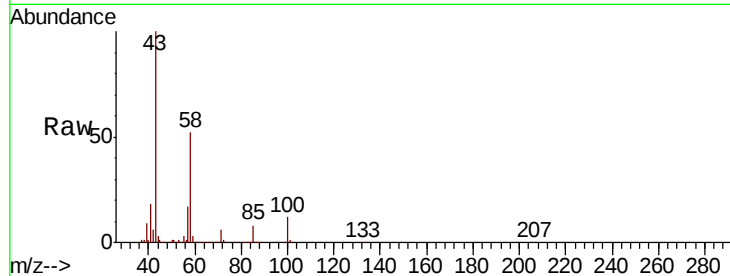




#49
2-Hexanone
Concen: 61.609 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.01 min
Lab File: VY003741.D
Acq: 11 Dec 2020 21:23

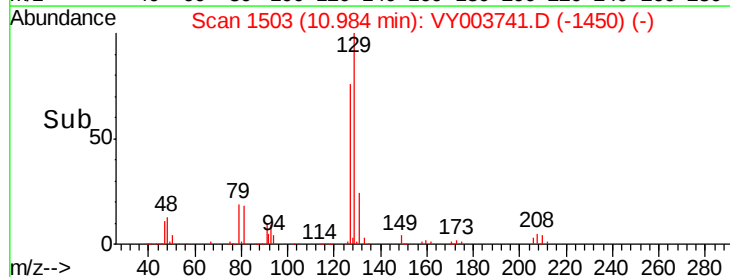
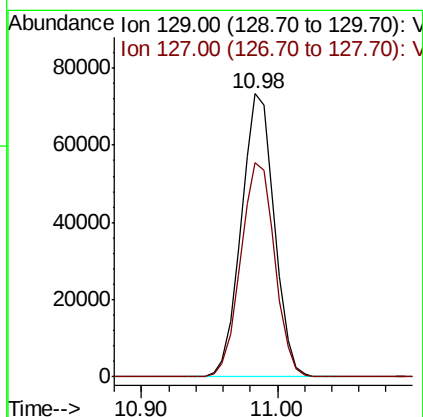
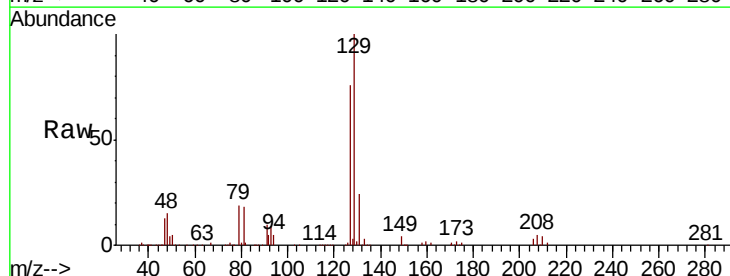
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02595

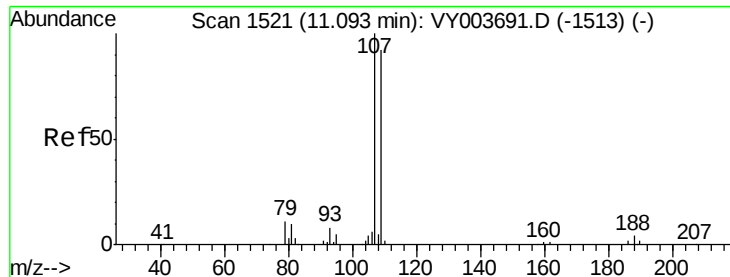
Tot Ion: 43 Resp: 177856
Ion Ratio Lower Upper
43 100
58 53.0 44.8 67.2
57 17.9 14.8 22.2
100 11.7 9.9 14.9



#50
Dibromochloromethane
Concen: 28.227 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. -0.01 min
Lab File: VY003741.D
Acq: 11 Dec 2020 21:23

Tgt Ion: 129 Resp: 124550
Ion Ratio Lower Upper
129 100
127 75.6 54.8 101.8

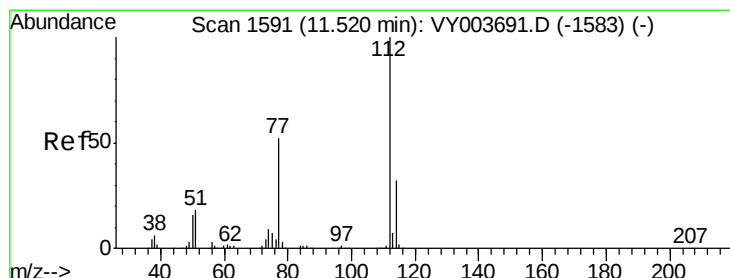
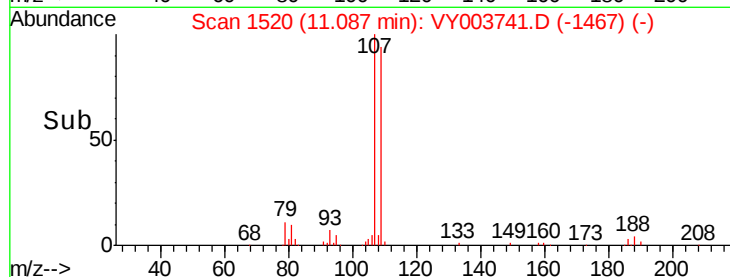
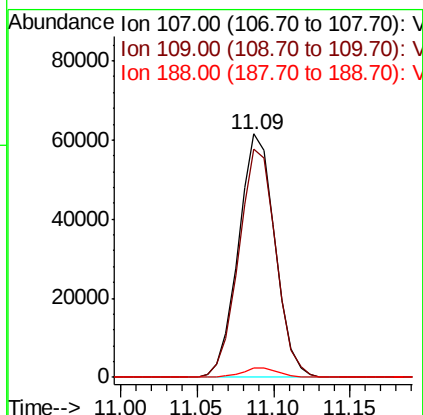
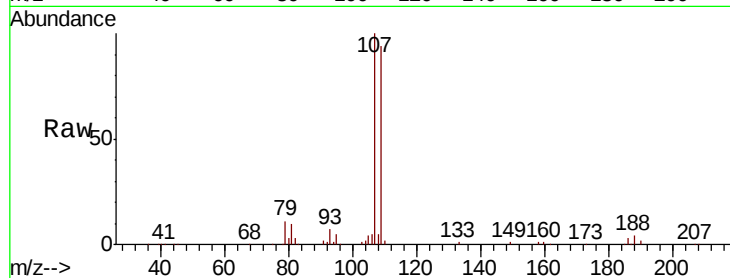




#51
1,2-Dibromoethane
Concen: 27.937 ug/L
RT: 11.09 min Scan# 1520
Delta R.T. -0.01 min
Lab File: VY003741.D
Acq: 11 Dec 2020 21:23

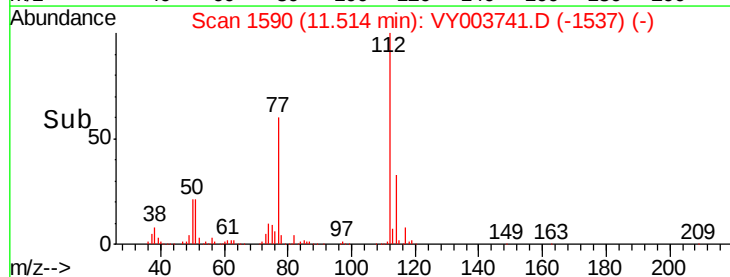
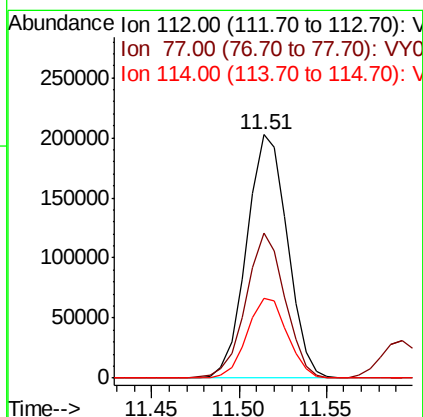
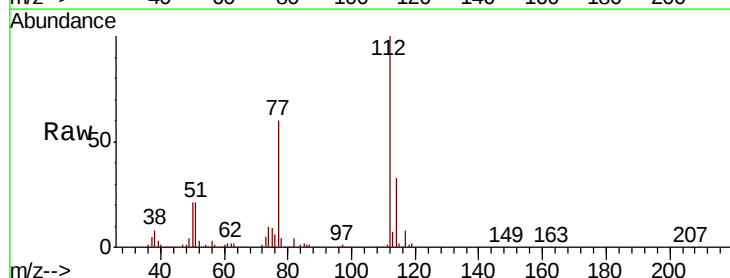
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02595

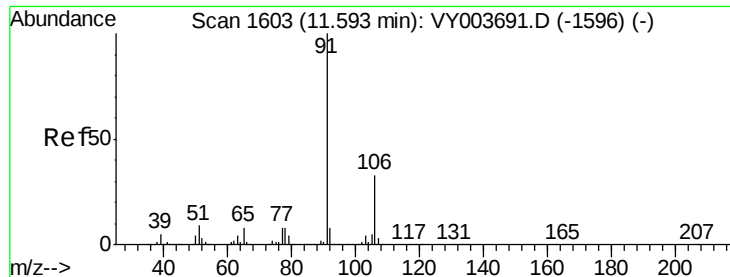
Tot Ion:107 Resp: 101921
Ion Ratio Lower Upper
107 100
109 93.8 65.2 121.0
188 4.1 3.0 4.6



#52
Chlorobenzene
Concen: 27.147 ug/L
RT: 11.51 min Scan# 1590
Delta R.T. -0.01 min
Lab File: VY003741.D
Acq: 11 Dec 2020 21:23

Tgt Ion:112 Resp: 328599
Ion Ratio Lower Upper
112 100
77 59.7 44.4 66.6
114 32.6 22.4 41.6





#53

Ethylbenzene

Concen: 27.825 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003741.D

Acq: 11 Dec 2020 21:23

Instrument :

MSVOA_Y

ClientSampleId :

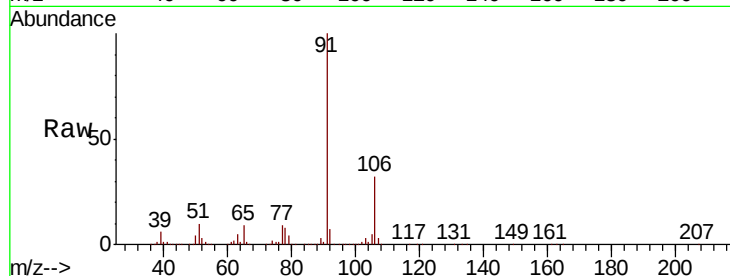
VSTD02595

Tot Ion: 91 Resp: 558534

Ion Ratio Lower Upper

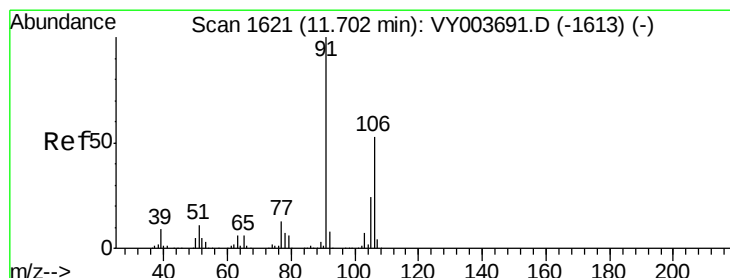
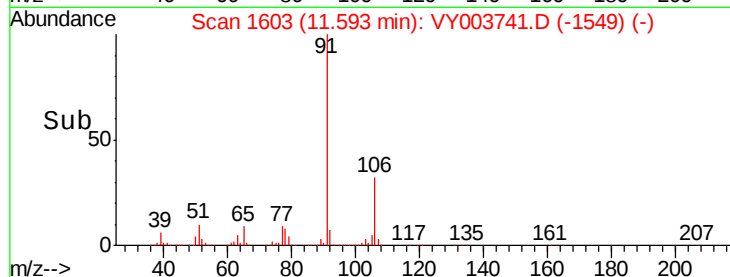
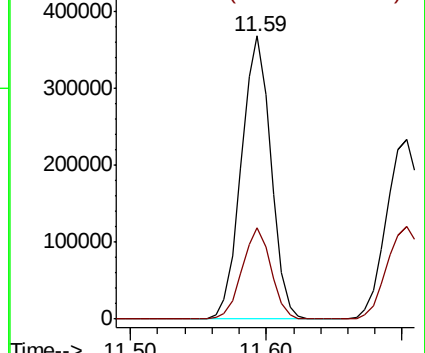
91 100

106 32.3 23.3 43.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 28.264 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VY003741.D

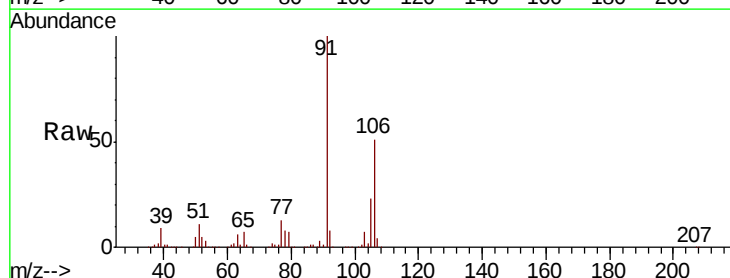
Acq: 11 Dec 2020 21:23

Tgt Ion: 106 Resp: 218869

Ion Ratio Lower Upper

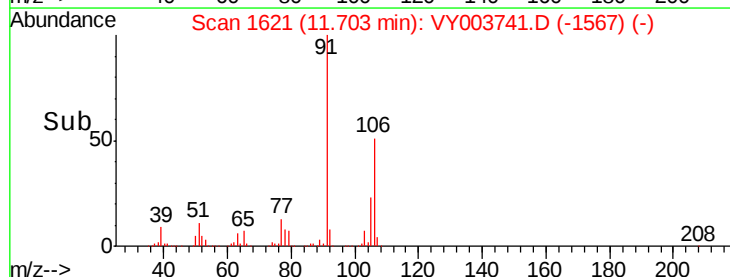
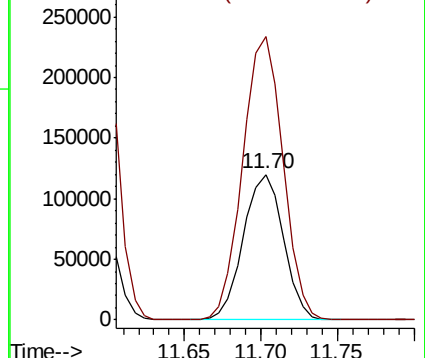
106 100

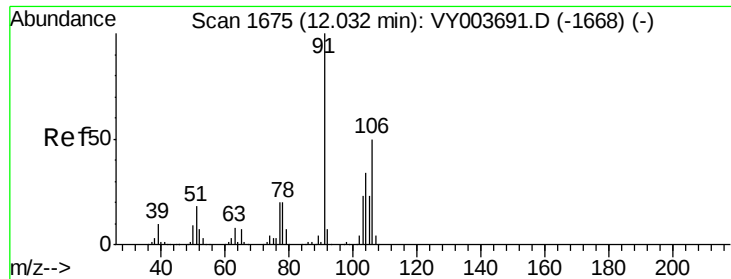
91 194.6 131.3 243.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#55

o-xylene

Concen: 28.113 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. -0.01 min

Lab File: VY003741.D

Acq: 11 Dec 2020 21:23

Instrument :

MSVOA_Y

ClientSampleId :

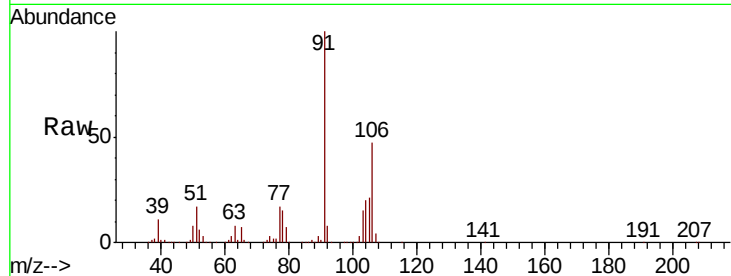
VSTD02595

Tot Ion:106 Resp: 208861

Ion Ratio Lower Upper

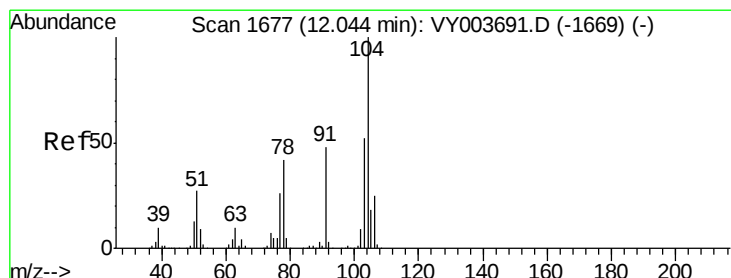
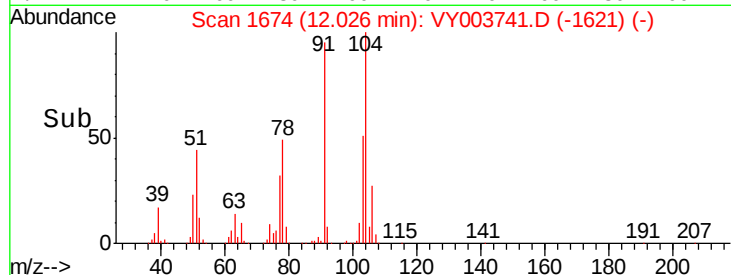
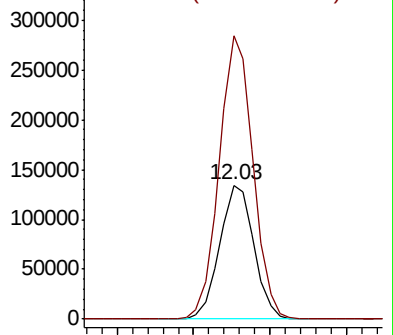
106 100

91 211.6 141.7 263.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 28.895 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VY003741.D

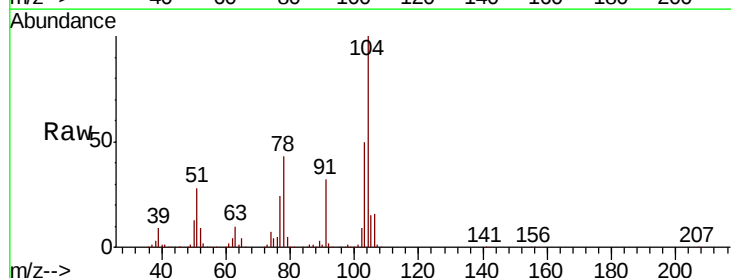
Acq: 11 Dec 2020 21:23

Tgt Ion:104 Resp: 367402

Ion Ratio Lower Upper

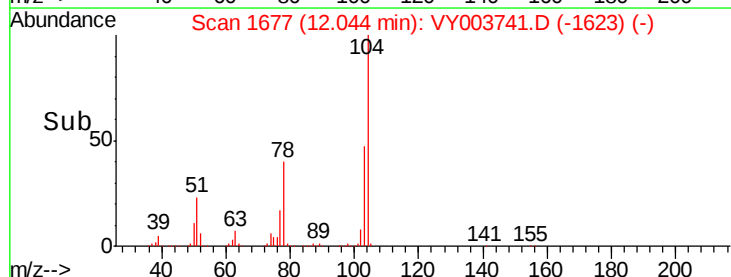
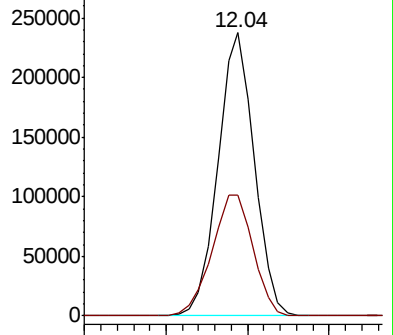
104 100

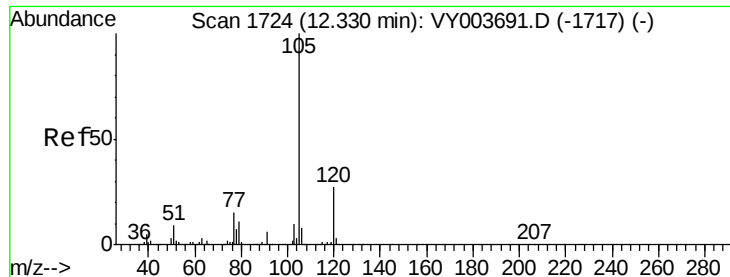
78 42.7 28.1 52.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 28.531 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. 0.00 min

Lab File: VY003741.D

Acq: 11 Dec 2020 21:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02595

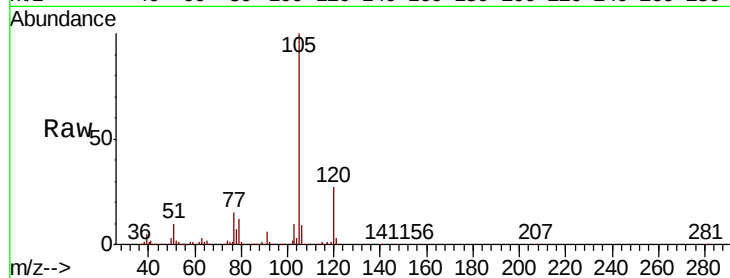
Tot Ion:105 Resp: 554173

Ion Ratio Lower Upper

105 100

120 27.4 22.3 33.5

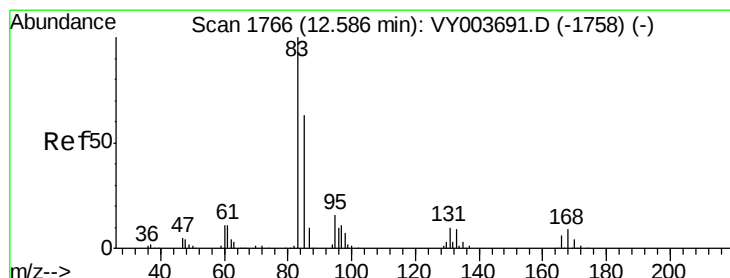
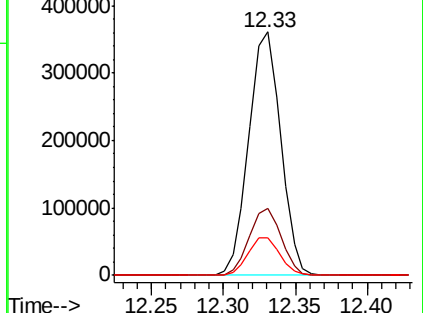
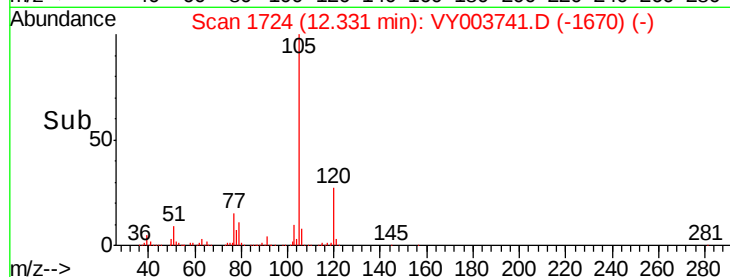
77 15.5 11.9 17.9



Abundance Ion 105.00 (104.70 to 105.70): VY003741.D (-1670) (-)

Ion 120.00 (119.70 to 120.70): VY003741.D (-1670) (-)

Ion 77.00 (76.70 to 77.70): VY003741.D (-1670) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 30.045 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VY003741.D

Acq: 11 Dec 2020 21:23

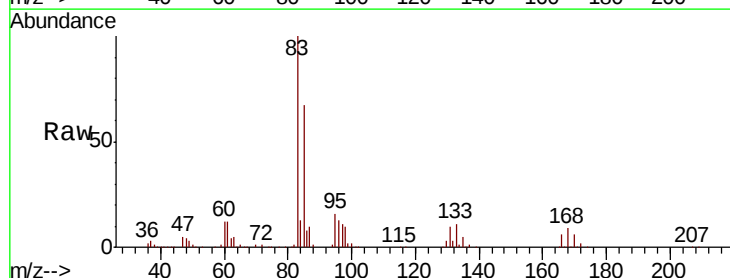
Tgt Ion: 83 Resp: 121451

Ion Ratio Lower Upper

83 100

85 66.7 47.2 87.6

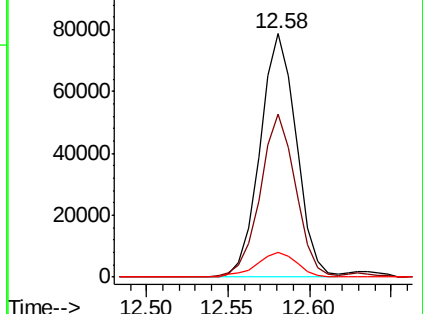
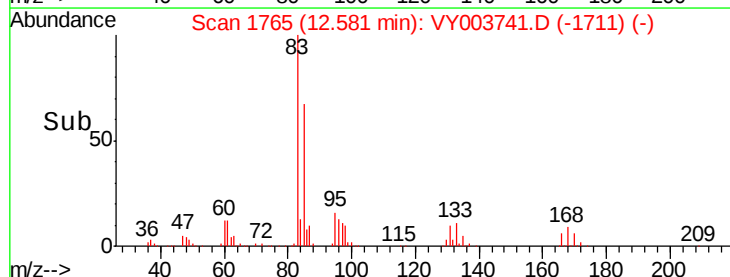
131 9.9 8.4 12.6

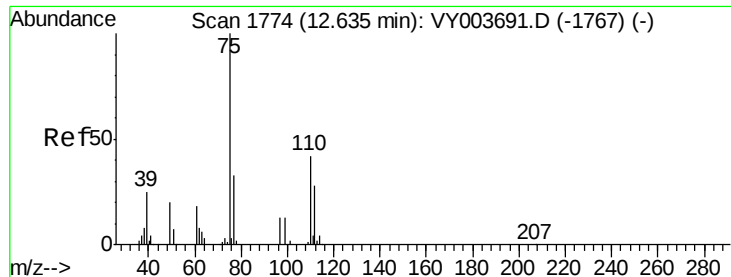


Abundance Ion 83.00 (82.70 to 83.70): VY003741.D (-1711) (-)

Ion 85.00 (84.70 to 85.70): VY003741.D (-1711) (-)

Ion 131.00 (130.70 to 131.70): VY003741.D (-1711) (-)





#59

1,2,3-Trichloropropane

Concen: 28.885 ug/L

RT: 12.64 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VY003741.D

Acq: 11 Dec 2020 21:23

Instrument :

MSVOA_Y

ClientSampleId :

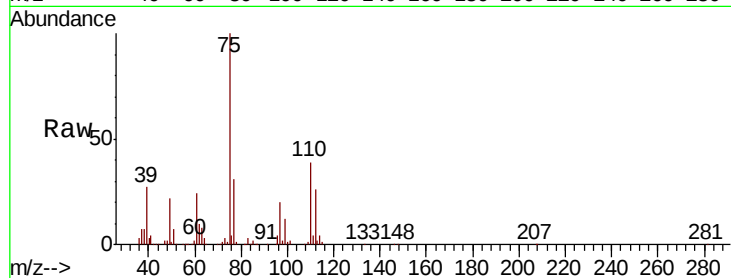
VSTD02595

Tot Ion: 75 Resp: 104392

Ion Ratio Lower Upper

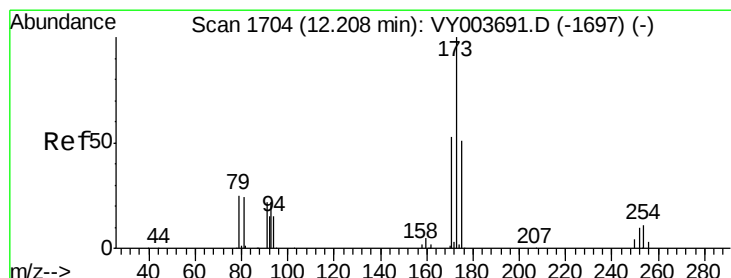
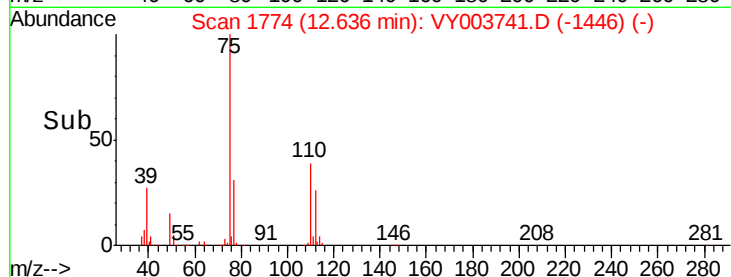
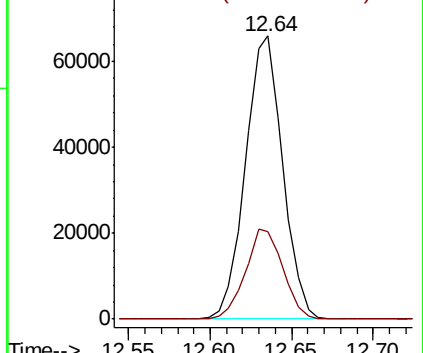
75 100

77 32.3 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#62

Bromoform

Concen: 28.231 ug/L

RT: 12.21 min Scan# 1704

Delta R.T. 0.00 min

Lab File: VY003741.D

Acq: 11 Dec 2020 21:23

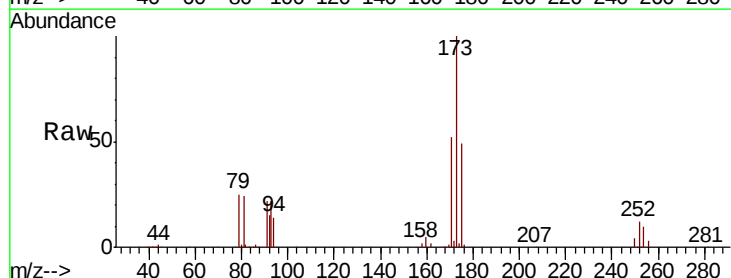
Tgt Ion: 173 Resp: 84753

Ion Ratio Lower Upper

173 100

175 48.3 39.1 58.7

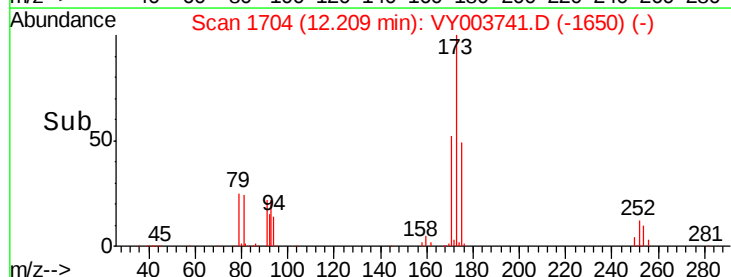
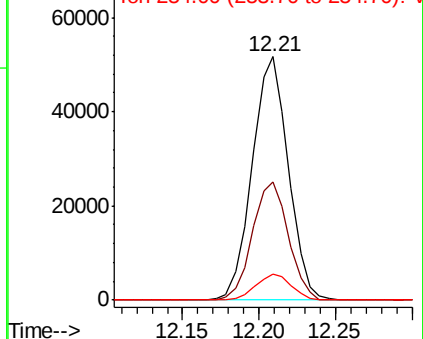
254 10.6 7.7 11.5

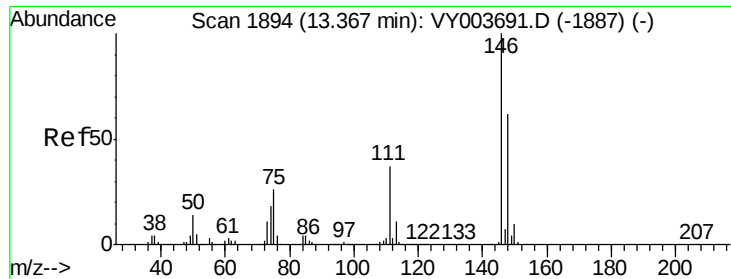


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

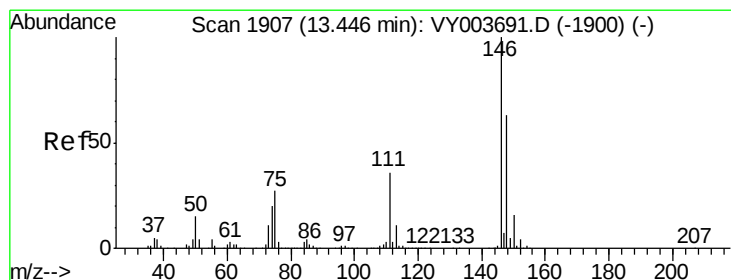
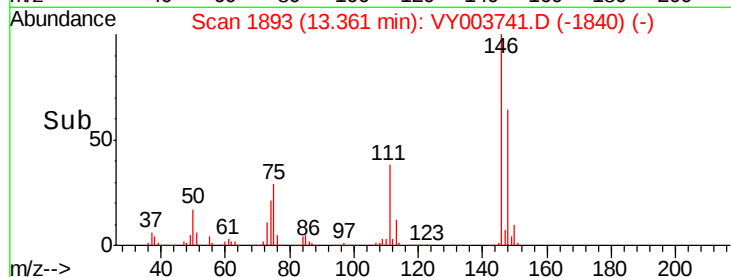
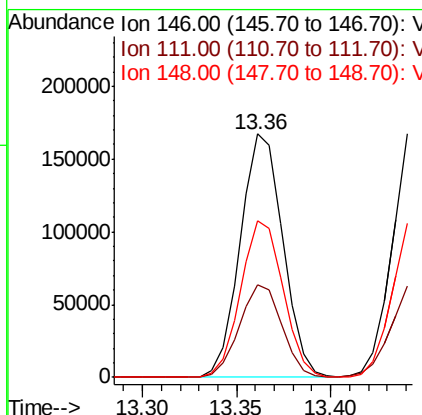
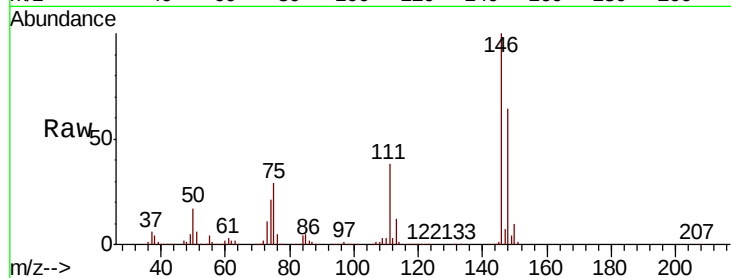




#63
 1,3-Dichlorobenzene
 Concen: 27.796 ug/L
 RT: 13.36 min Scan# 1893
 Delta R.T. -0.01 min
 Lab File: VY003741.D
 Acq: 11 Dec 2020 21:23

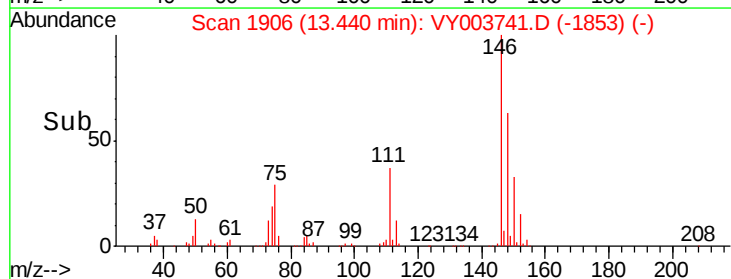
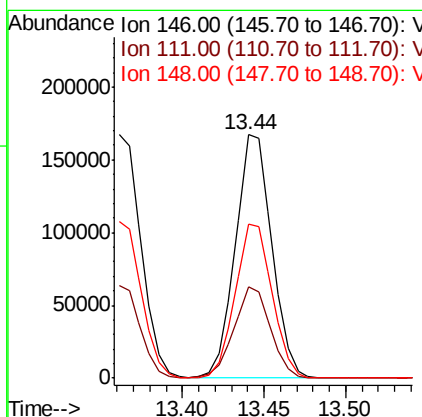
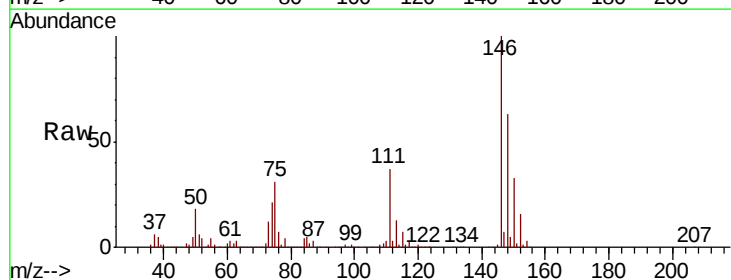
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02595

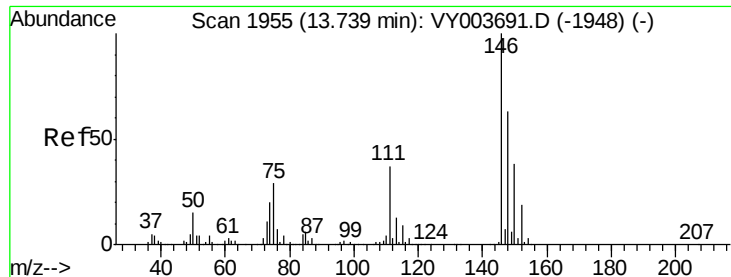
Tot Ion:146 Resp: 262877
 Ion Ratio Lower Upper
 146 100
 111 38.1 26.0 48.4
 148 64.3 43.7 81.1



#64
 1,4-Dichlorobenzene
 Concen: 27.171 ug/L
 RT: 13.44 min Scan# 1906
 Delta R.T. -0.01 min
 Lab File: VY003741.D
 Acq: 11 Dec 2020 21:23

Tgt Ion:146 Resp: 261231
 Ion Ratio Lower Upper
 146 100
 111 37.4 23.2 43.0
 148 63.4 43.8 81.4





#65

1,2-Dichlorobenzene

Concen: 28.325 ug/L

RT: 13.74 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VY003741.D

Acq: 11 Dec 2020 21:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02595

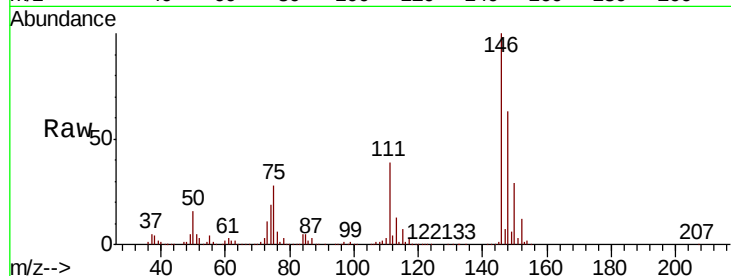
Tot Ion:146 Resp: 245761

Ion Ratio Lower Upper

146 100

111 39.3 30.0 45.0

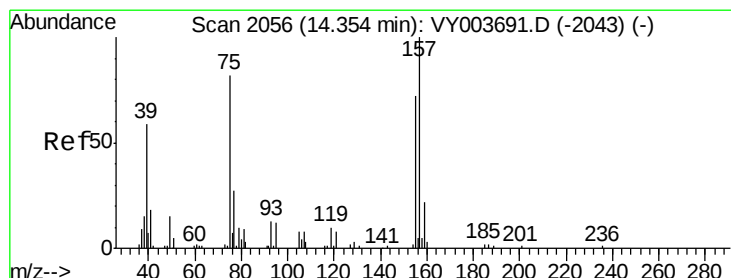
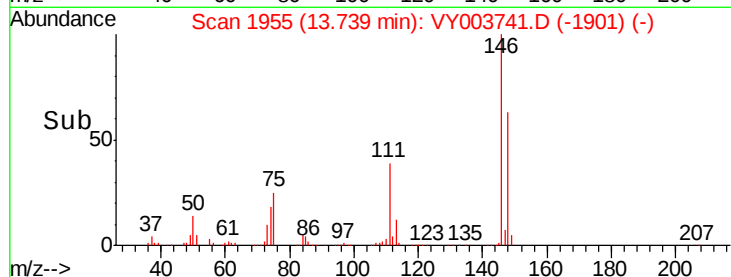
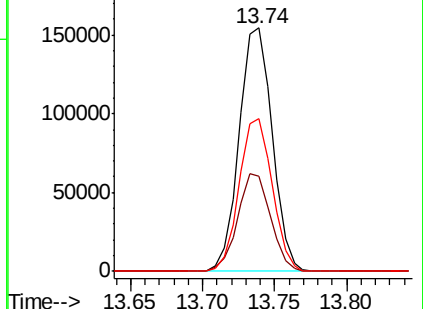
148 62.7 51.8 77.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 29.625 ug/L

RT: 14.35 min Scan# 2056

Delta R.T. 0.00 min

Lab File: VY003741.D

Acq: 11 Dec 2020 21:23

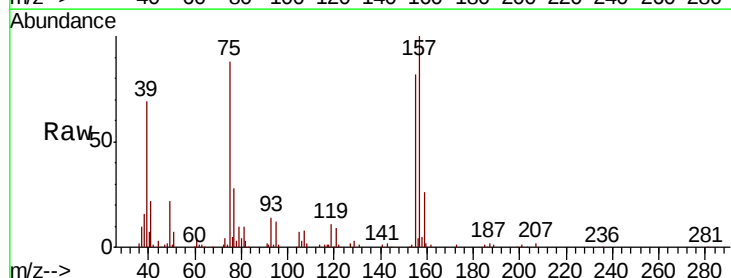
Tgt Ion: 75 Resp: 23945

Ion Ratio Lower Upper

75 100

157 113.5 101.3 151.9

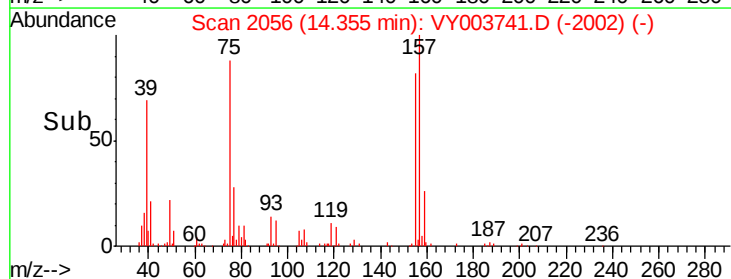
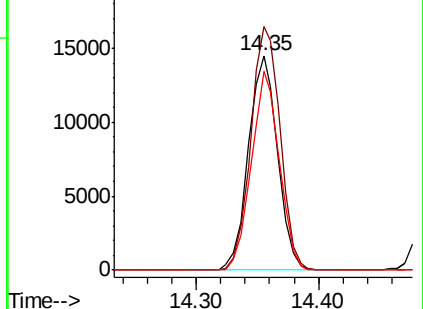
155 93.0 76.2 114.4

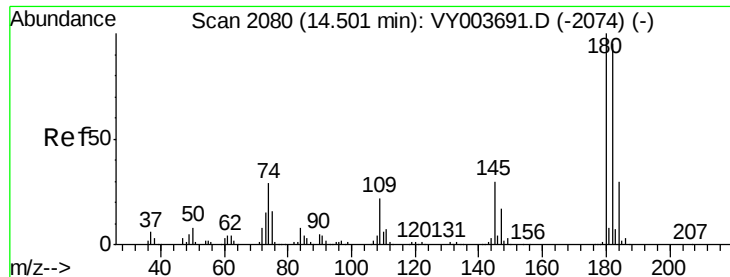


Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

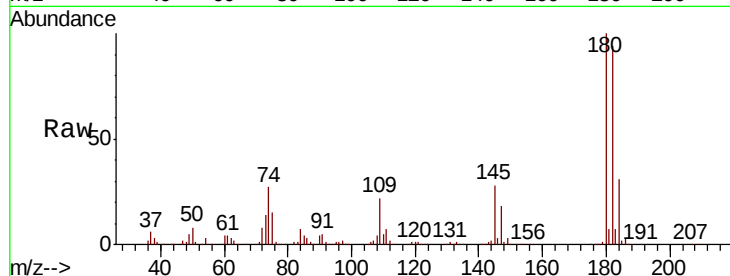




#67
 1,3,5-Trichlorobenzene
 Concen: 26.984 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VY003741.D
 Acq: 11 Dec 2020 21:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02595

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.0	114.0
184	30.3	24.2	36.2
145	28.5	22.2	33.2



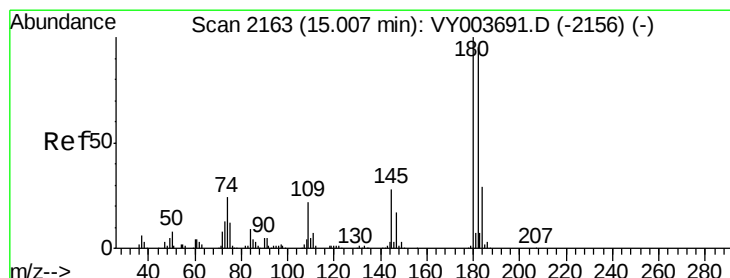
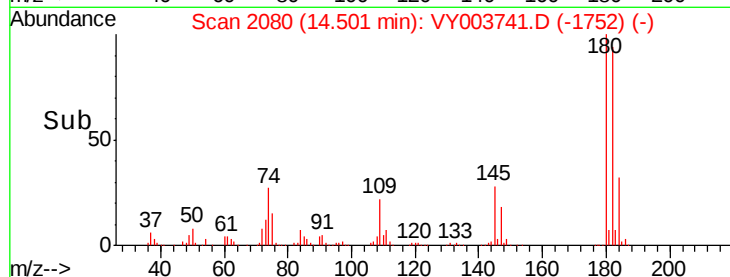
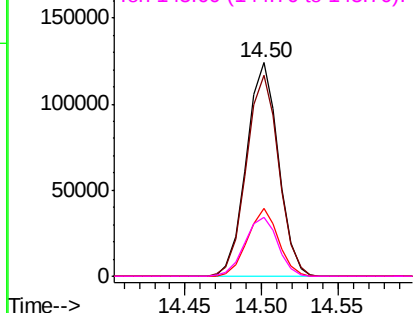
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

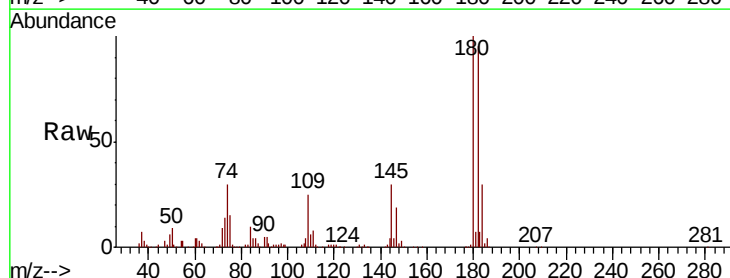
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.663 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. -0.01 min
 Lab File: VY003741.D
 Acq: 11 Dec 2020 21:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.5	114.7
145	29.1	22.2	33.4

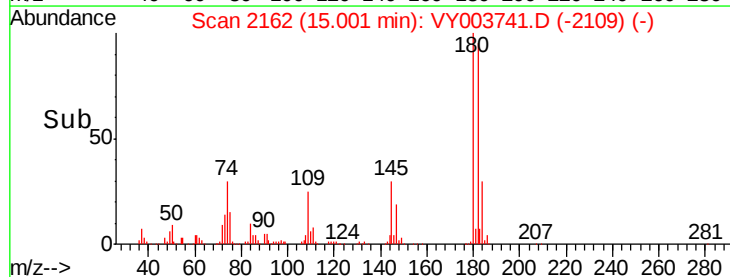
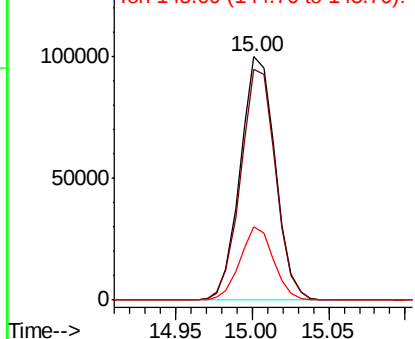


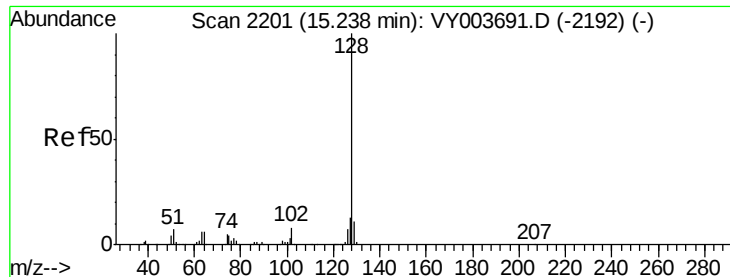
Abundance

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: 28.656 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. -0.01 min

Lab File: VY003741.D

Acq: 11 Dec 2020 21:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02595

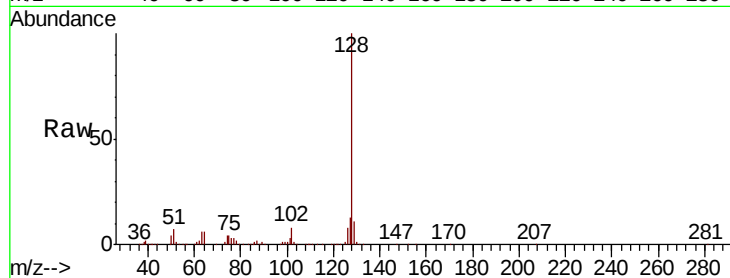
Tot Ion:128 Resp: 342816

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

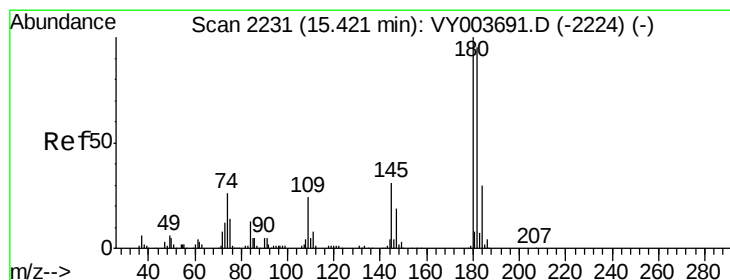
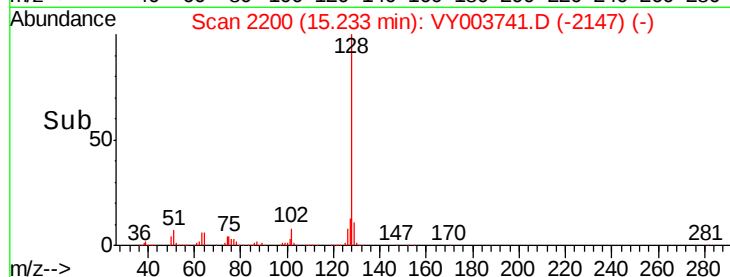
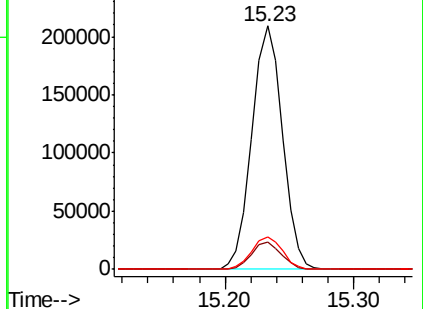
127 13.2 10.2 15.4



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: 27.456 ug/L

RT: 15.42 min Scan# 2231

Delta R.T. 0.00 min

Lab File: VY003741.D

Acq: 11 Dec 2020 21:23

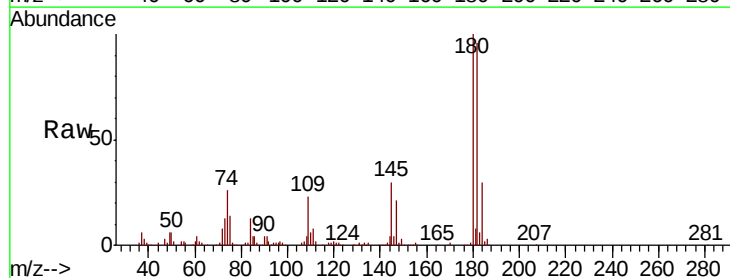
Tgt Ion:180 Resp: 143055

Ion Ratio Lower Upper

180 100

182 94.8 76.9 115.3

145 30.3 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

