

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111820\
 Data File : VY003534.D
 Acq On : 18 Nov 2020 17:46
 Operator : SY/MD
 Sample : VSTD00582
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00582

Quant Time: Nov 19 03:04:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111820S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 19 03:03:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	259046	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	231395	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	113835	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	12029	5.35	ug/L	0.00
7) Chloroethane-d5	2.77	69	14200	6.38	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	35660	5.79	ug/L	0.00
20) 2-Butanone-d5	6.91	46	13584	9.88	ug/L	0.00
24) Chloroform-d	7.48	84	32681	5.32	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.14	65	18660	5.50	ug/L	0.00
29) Benzene-d6	8.11	84	69790	5.62	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.12	67	20394	5.46	ug/L	0.00
37) Toluene-d8	10.18	98	60209	5.30	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	9732	5.38	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	9008	9.27	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	16497	5.15	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	17471	5.05	ug/L	0.00

Target Compounds

					Qvalue
3) Chloromethane	2.12	50	14030	4.814 ug/L	93
5) Vinyl chloride	2.26	62	11658	3.584 ug/L	95
6) Bromomethane	2.66	94	12378	5.021 ug/L	99
8) Chloroethane	2.80	64	10943	4.906 ug/L	91
9) Trichlorofluoromethane	3.13	101	14360	4.403 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	16175	4.988 ug/L	97
12) 1,1-Dichloroethene	3.88	96	17395	4.994 ug/L	88
14) Carbon disulfide	4.20	76	53576	4.593 ug/L	99
15) Methyl Acetate	4.49	43	12652	5.228 ug/L	97
16) Methylene chloride	4.72	84	25442	6.252 ug/L	94
17) Methyl tert-butyl Ether	5.23	73	27225	4.818 ug/L #	88
18) trans-1,2-Dichloroethene	5.22	96	18565	4.996 ug/L	98
19) 1,1-Dichloroethane	6.03	63	32039	5.024 ug/L	100
21) 2-Butanone	7.00	43	16919	10.425 ug/L	98
22) cis-1,2-Dichloroethene	6.99	96	19313	4.946 ug/L	95
23) Bromochloromethane	7.35	128	9225	4.829 ug/L	92
25) Chloroform	7.51	83	31156	5.020 ug/L	99
27) 1,2-Dichloroethane	8.24	62	21501	5.052 ug/L	97
30) Cyclohexane	7.79	56	26550	4.872 ug/L	97
31) 1,1,1-Trichloroethane	7.71	97	23508	4.867 ug/L	96
32) Carbon tetrachloride	7.90	117	22037	4.997 ug/L	95
34) Benzene	8.16	78	74387	5.113 ug/L	100
35) Trichloroethene	8.94	95	18714	5.220 ug/L	99
36) Methylcyclohexane	9.19	83	26436	5.021 ug/L	96
40) 1,2-Dichloropropane	9.22	63	18353	5.048 ug/L #	97
41) Bromodichloromethane	9.50	83	23226	5.093 ug/L	94
42) cis-1,3-Dichloropropene	9.93	75	27735	4.846 ug/L	90
43) 4-Methyl-2-pentanone	10.07	43	31101	10.517 ug/L	97
44) Toluene	10.24	91	74806	4.940 ug/L	96
45) trans-1,3-Dichloropropene	10.47	75	25863	4.966 ug/L	99

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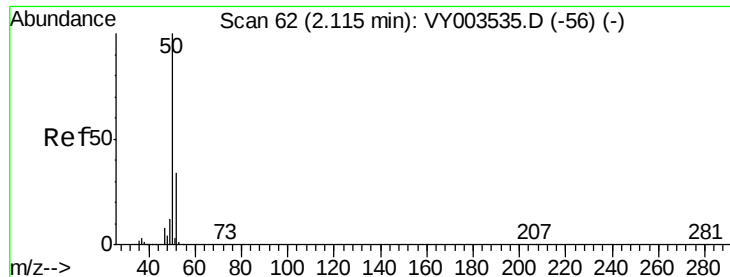
Quant Time: Nov 19 03:04:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111820S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 19 03:03:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

46) 1,1,2-Trichloroethane	10.64	97	14710	5.044	ug/L	97
47) Tetrachloroethene	10.72	164	16626	5.452	ug/L	97
49) 2-Hexanone	10.83	43	22134	9.344	ug/L	99
50) Dibromochloromethane	10.99	129	16958	4.902	ug/L	91
51) 1,2-Dibromoethane	11.09	107	14512	5.060	ug/L #	100
52) Chlorobenzene	11.52	112	49802	5.172	ug/L	98
53) Ethylbenzene	11.59	91	74314	4.812	ug/L	99
54) m,p-Xylene	11.70	106	29651	5.006	ug/L	92
55) o-xylene	12.03	106	24037	4.854	ug/L	92
56) Styrene	12.05	104	47841	4.764	ug/L	94
57) Isopropylbenzene	12.33	105	53332	4.896	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.58	83	15778	4.789	ug/L	95
59) 1,2,3-Trichloropropane	12.63	75	12854	5.182	ug/L	97
62) Bromoform	12.20	173	11235	4.935	ug/L	98
63) 1,3-Dichlorobenzene	13.36	146	35903	5.191	ug/L	98
64) 1,4-Dichlorobenzene	13.44	146	36565	5.179	ug/L	95
65) 1,2-Dichlorobenzene	13.74	146	29129	5.084	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.36	75	2287	5.022	ug/L	93
67) 1,3,5-Trichlorobenzene	14.50	180	18637	5.151	ug/L	97
68) 1,2,4-trichlorobenzene	15.00	180	15250	4.865	ug/L	94
69) Naphthalene	15.23	128	25399	4.460	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	11659	4.858	ug/L	94

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

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#3

Chloromethane

Concen: 4.814 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003534.D

Acq: 18 Nov 2020 17:46

Instrument :

MSVOA_Y

ClientSampleId :

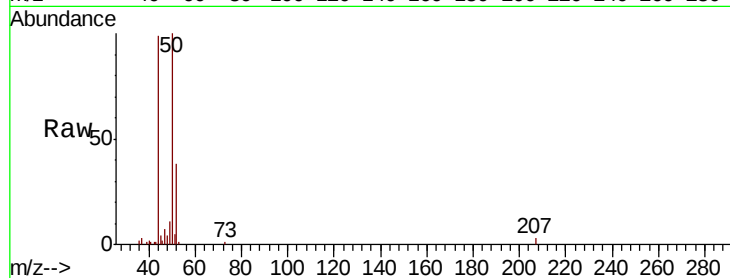
VSTD00582

Tot Ion: 50 Resp: 14030

Ion Ratio Lower Upper

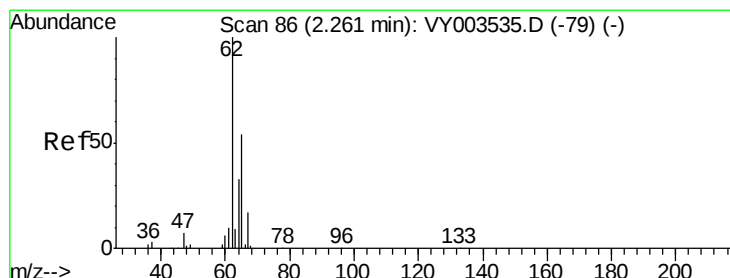
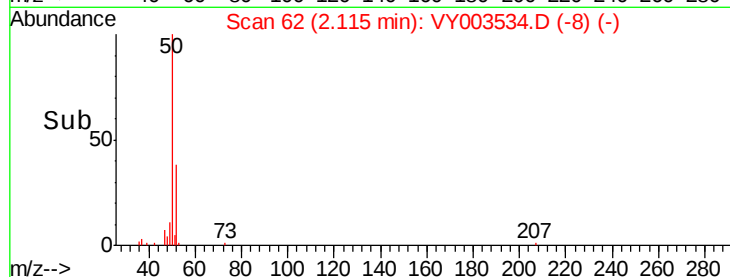
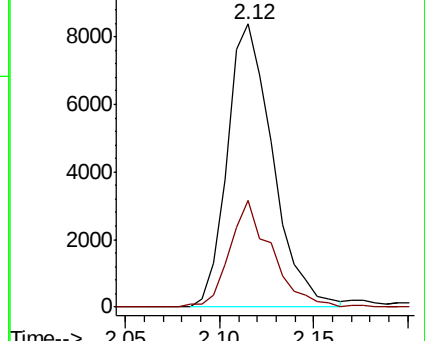
50 100

52 37.9 23.7 43.9



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#5

Vinyl chloride

Concen: 3.584 ug/L

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY003534.D

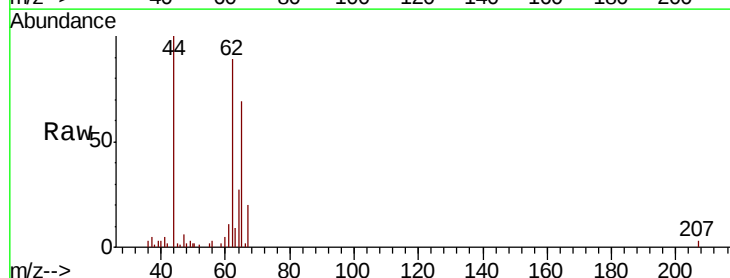
Acq: 18 Nov 2020 17:46

Tgt Ion: 62 Resp: 11658

Ion Ratio Lower Upper

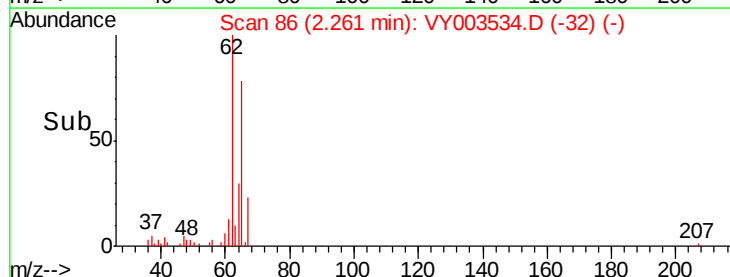
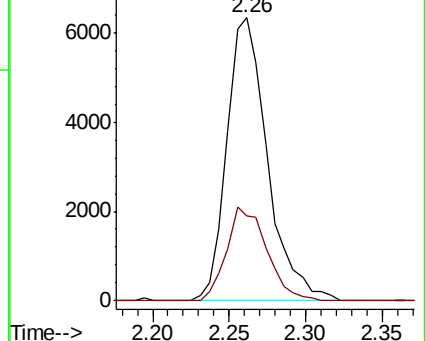
62 100

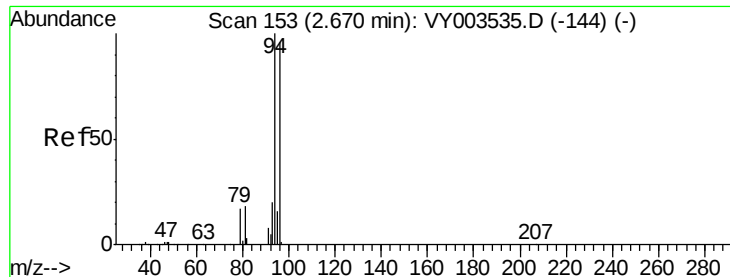
64 30.2 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0





#6

Bromomethane

Concen: 5.021 ug/L

RT: 2.66 min Scan# 152

Delta R.T. -0.01 min

Lab File: VY003534.D

Acq: 18 Nov 2020 17:46

Instrument :

MSVOA_Y

ClientSampleId :

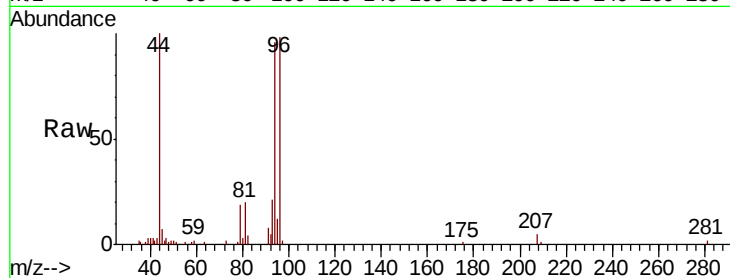
VSTD00582

Tot Ion: 94 Resp: 12378

Ion Ratio Lower Upper

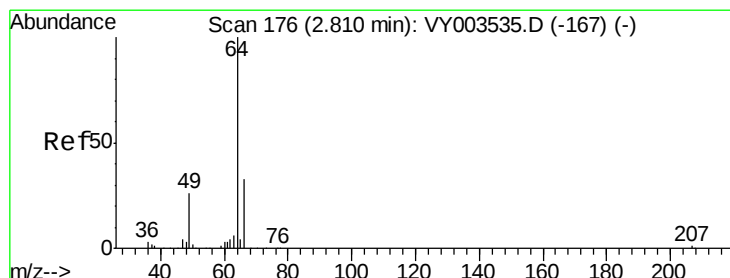
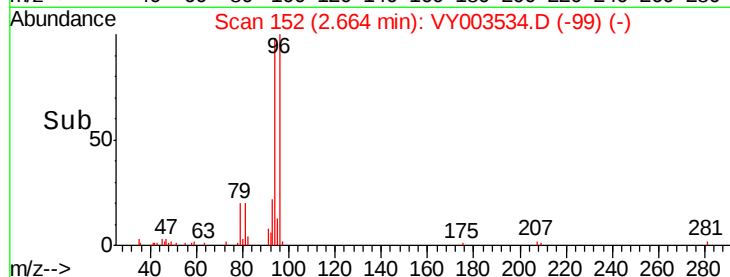
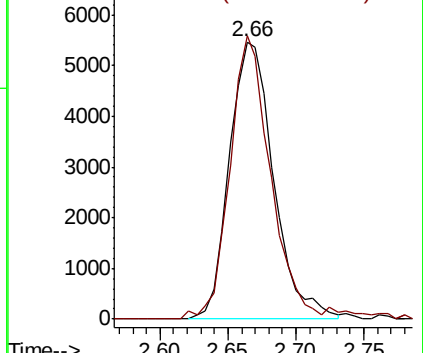
94 100

96 93.4 9.4 179.4



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0



#8

Chloroethane

Concen: 4.906 ug/L

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY003534.D

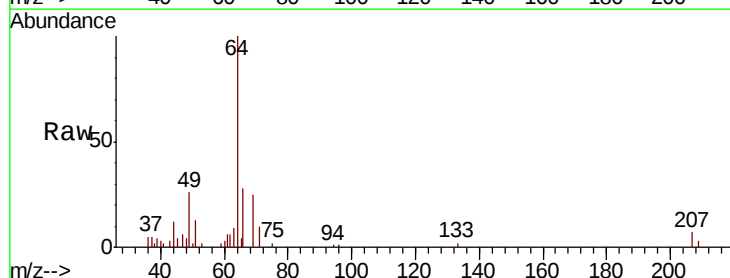
Acq: 18 Nov 2020 17:46

Tgt Ion: 64 Resp: 10943

Ion Ratio Lower Upper

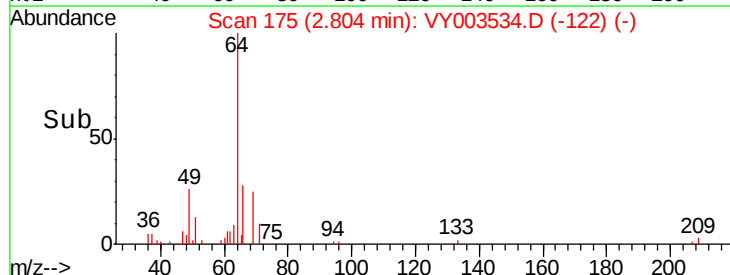
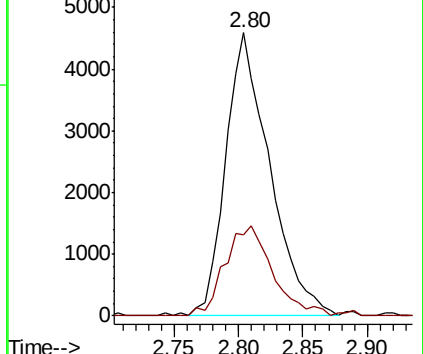
64 100

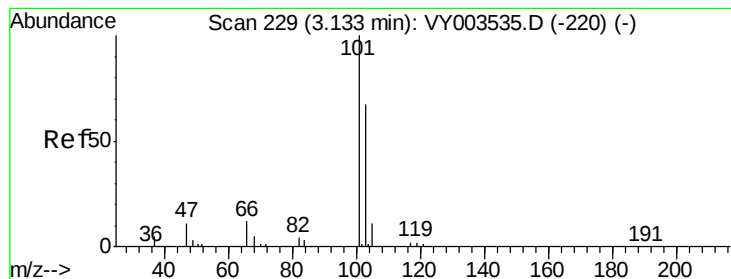
66 28.5 23.4 43.4



Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0



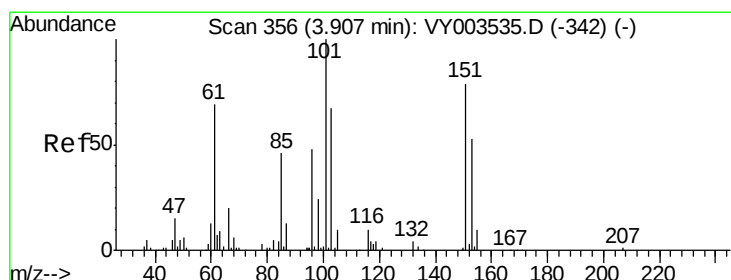
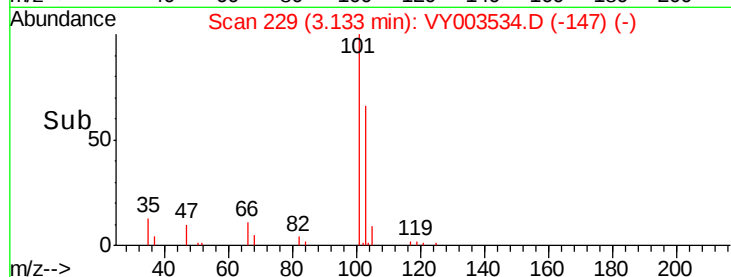
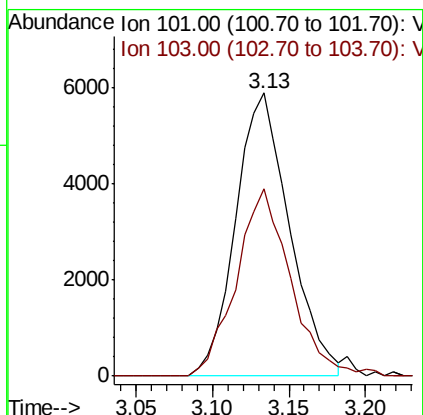
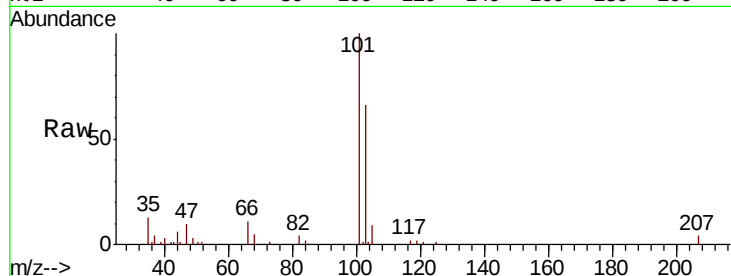


#9

Trichlorofluoromethane
 Concen: 4.403 ug/L
 RT: 3.13 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VY003534.D
 Acq: 18 Nov 2020 17:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00582

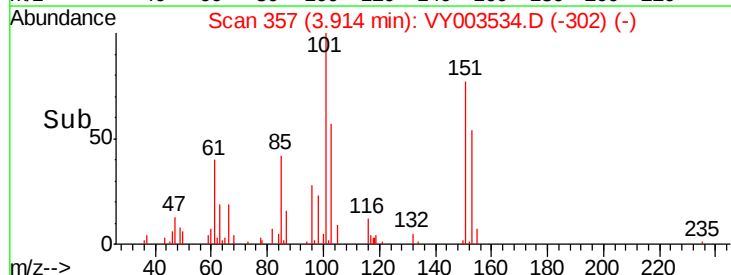
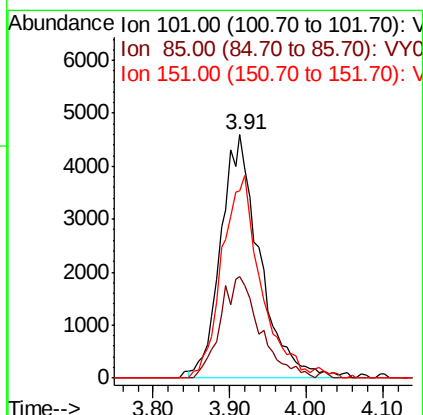
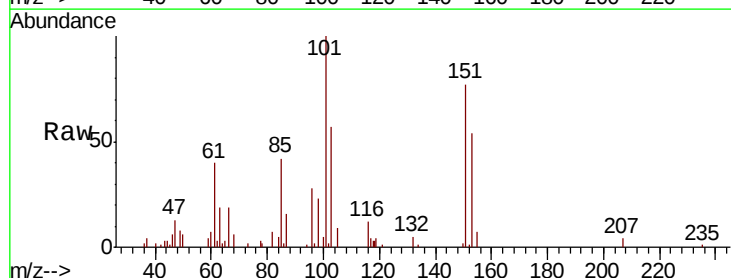
Tot Ion:101 Resp: 14360
 Ion Ratio Lower Upper
 101 100
 103 66.4 46.5 86.3

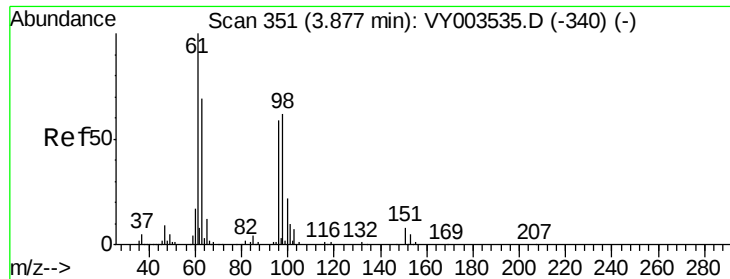


#11

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.988 ug/L
 RT: 3.91 min Scan# 357
 Delta R.T. 0.01 min
 Lab File: VY003534.D
 Acq: 18 Nov 2020 17:46

Tgt Ion:101 Resp: 16175
 Ion Ratio Lower Upper
 101 100
 85 42.8 35.9 53.9
 151 79.5 65.2 97.8





#12

1,1-Dichloroethene

Concen: 4.994 ug/L

RT: 3.88 min Scan# 352

Delta R.T. 0.01 min

Lab File: VY003534.D

Acq: 18 Nov 2020 17:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00582

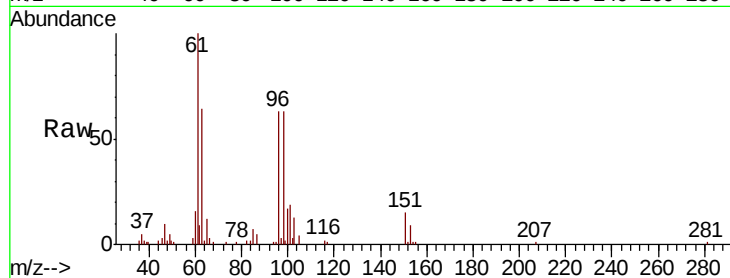
Tot Ion: 96 Resp: 17395

Ion Ratio Lower Upper

96 100

61 159.3 119.3 221.5

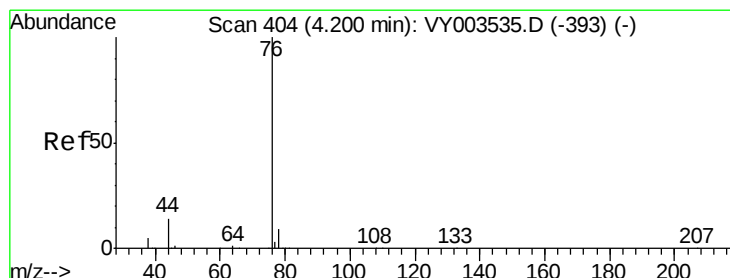
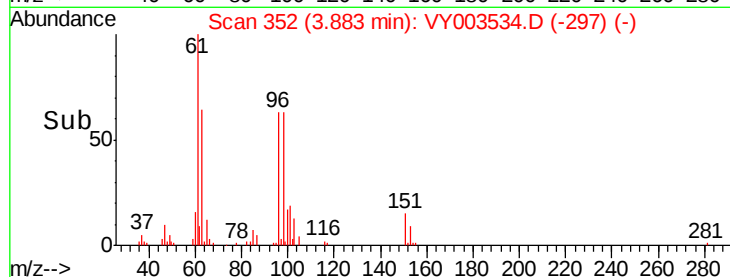
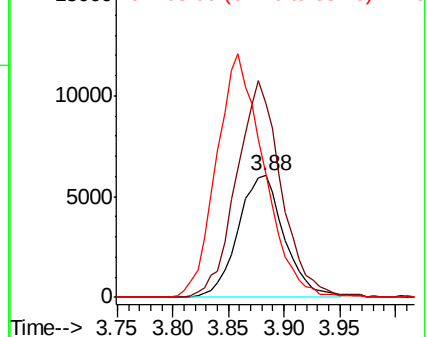
63 101.2 83.6 155.2



Abundance Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 63.00 (62.70 to 63.70): VY0



#14

Carbon disulfide

Concen: 4.593 ug/L

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY003534.D

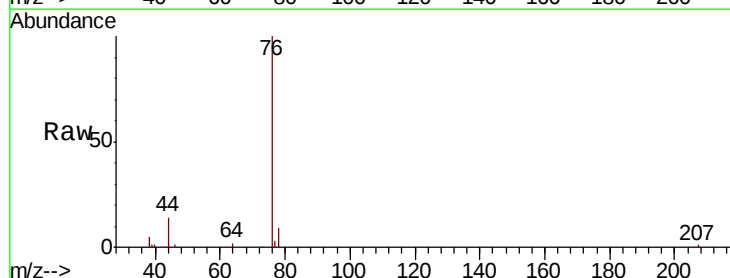
Acq: 18 Nov 2020 17:46

Tgt Ion: 76 Resp: 53576

Ion Ratio Lower Upper

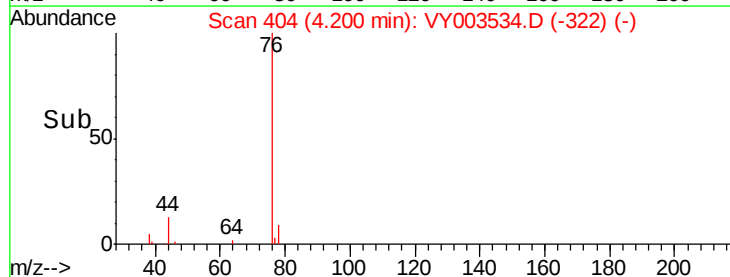
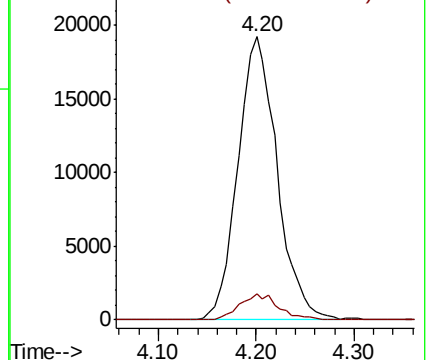
76 100

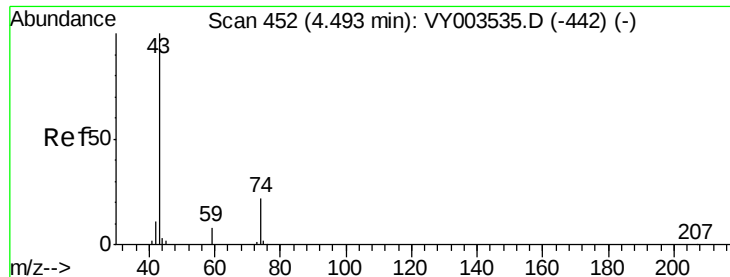
78 9.3 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

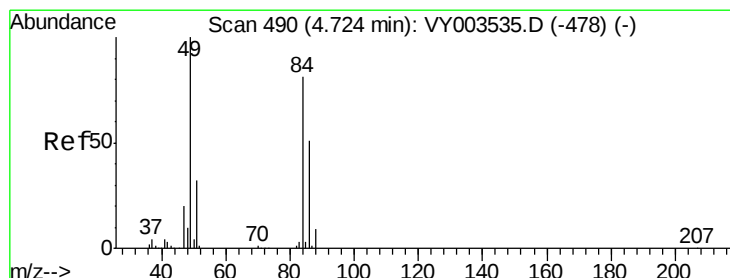
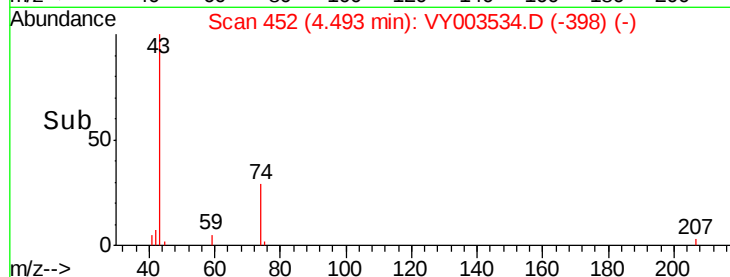
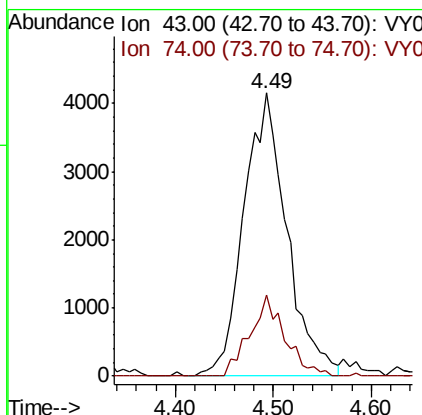
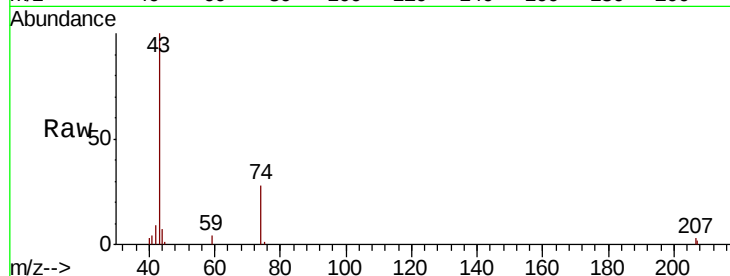




#15
Methyl Acetate
Concen: 5.228 ug/L
RT: 4.49 min Scan# 452
Delta R.T. 0.00 min
Lab File: VY003534.D
Acq: 18 Nov 2020 17:46

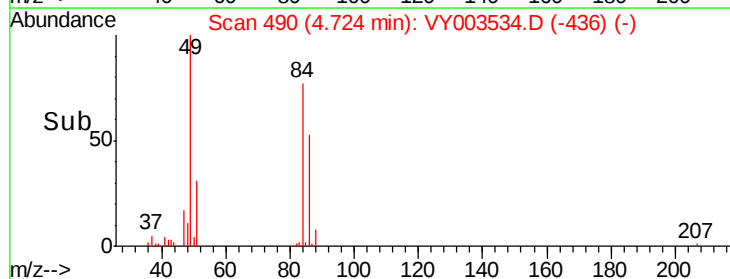
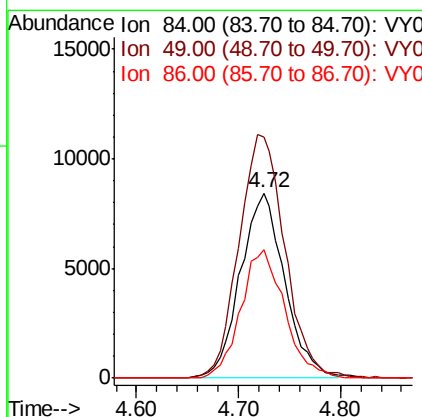
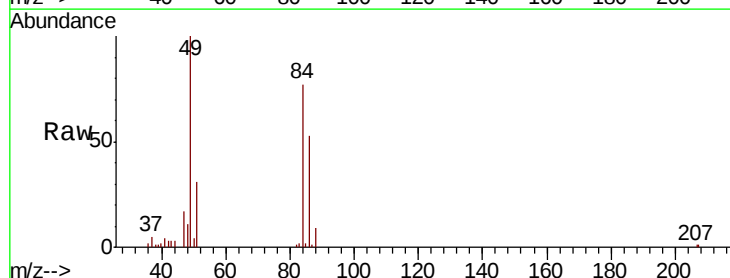
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00582

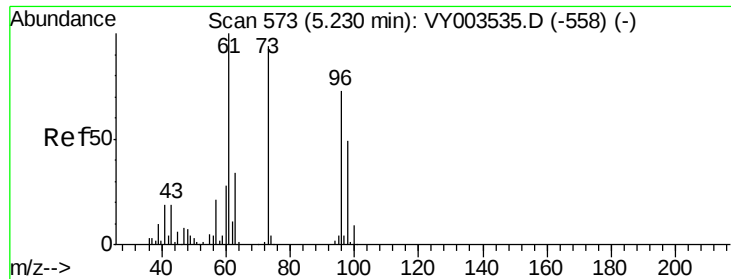
Tot Ion: 43 Resp: 12652
Ion Ratio Lower Upper
43 100
74 20.3 17.5 26.3



#16
Methylene chloride
Concen: 6.252 ug/L
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003534.D
Acq: 18 Nov 2020 17:46

Tgt Ion: 84 Resp: 25442
Ion Ratio Lower Upper
84 100
49 130.2 87.1 161.7
86 69.4 44.7 83.1

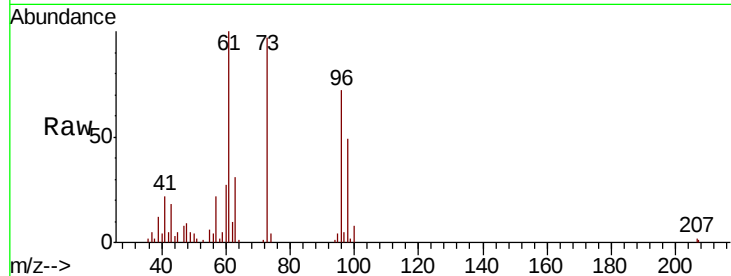




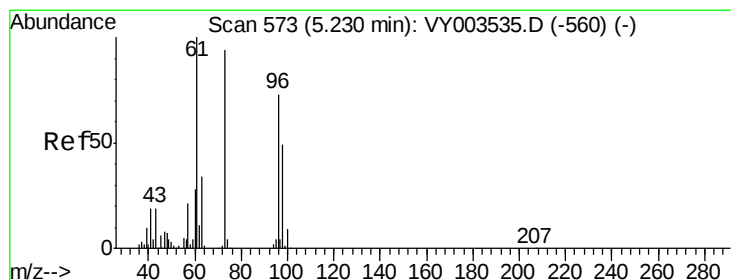
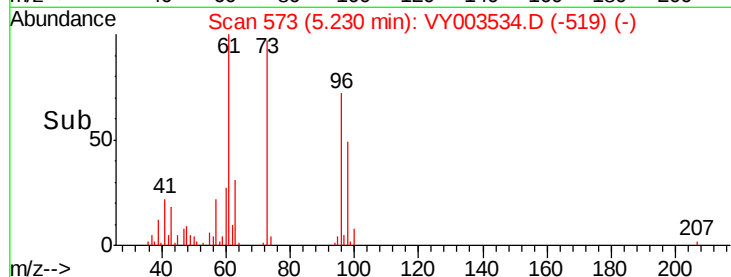
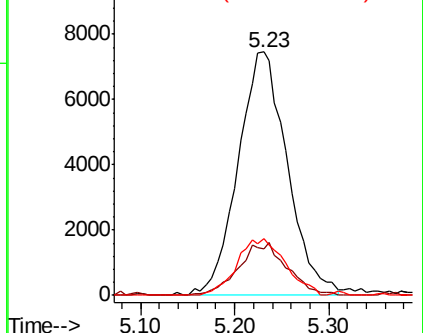
#17
Methvl tert-butvl Ether
Concen: 4.818 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY003534.D
Acq: 18 Nov 2020 17:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTD00582

Tot Ion: 73 Resp: 27225
Ion Ratio Lower Upper
73 100
43 8.5 16.0 24.0#
57 23.0 18.0 27.0

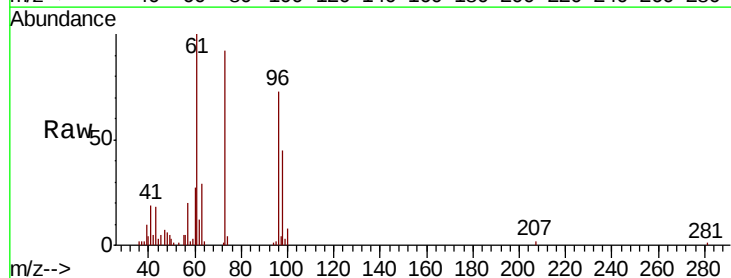


Abundance Ion 73.00 (72.70 to 73.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 57.00 (56.70 to 57.70): VY0

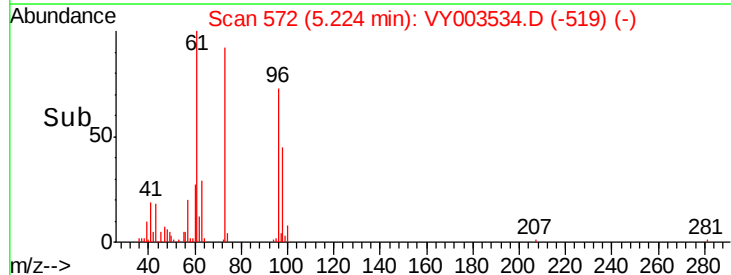
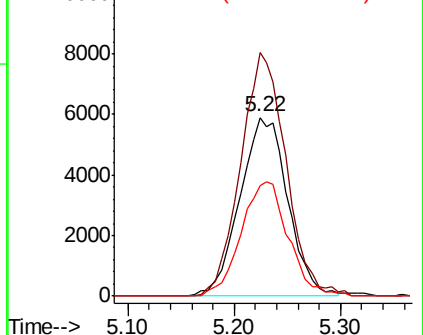


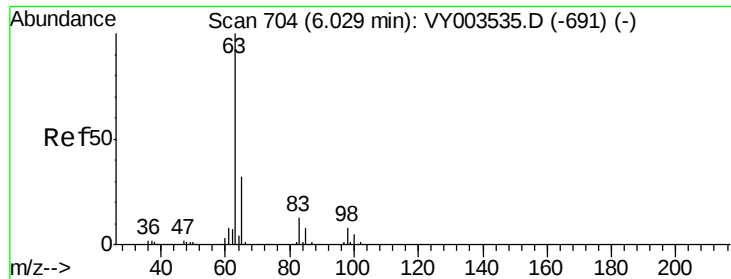
#18
trans-1,2-Dichloroethene
Concen: 4.996 ug/L
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY003534.D
Acq: 18 Nov 2020 17:46

Tgt Ion: 96 Resp: 18565
Ion Ratio Lower Upper
96 100
61 136.5 95.5 177.3
98 62.0 46.4 86.2



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

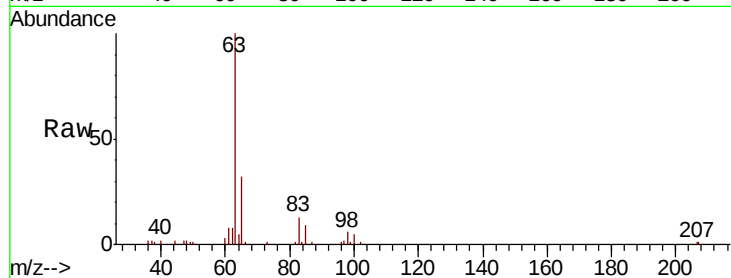




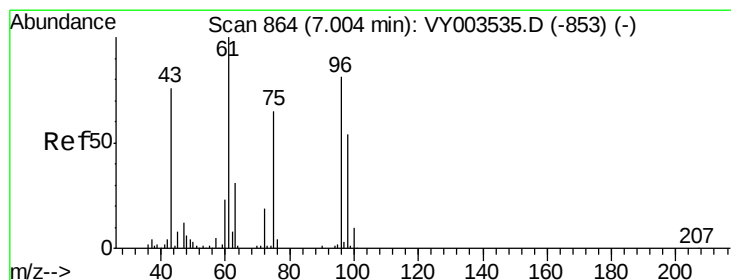
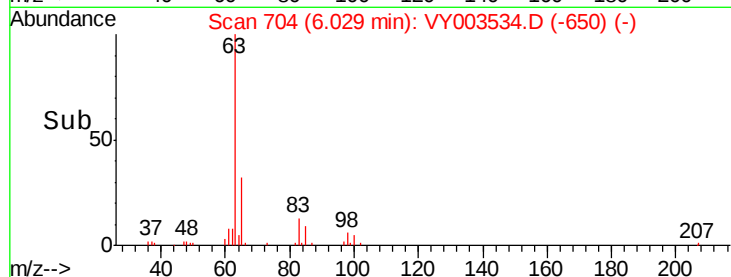
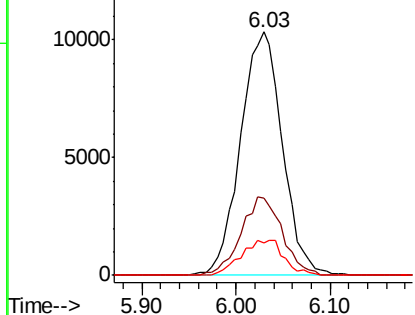
#19
 1,1-Dichloroethane
 Concen: 5.024 ug/L
 RT: 6.03 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VY003534.D
 Acq: 18 Nov 2020 17:46

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD00582

Tot Ion: 63 Resp: 32039
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.1 41.1
 83 13.5 9.4 17.6

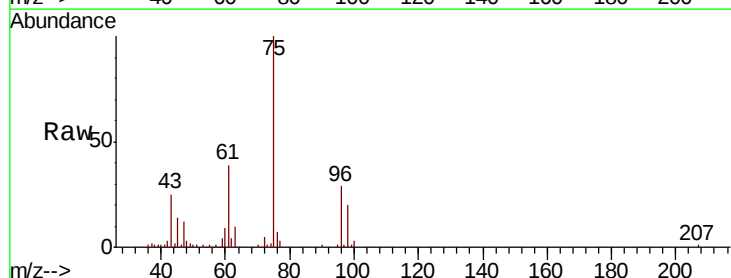


Abundance Ion 63.00 (62.70 to 63.70): VY0
 Ion 65.00 (64.70 to 65.70): VY0
 Ion 83.00 (82.70 to 83.70): VY0

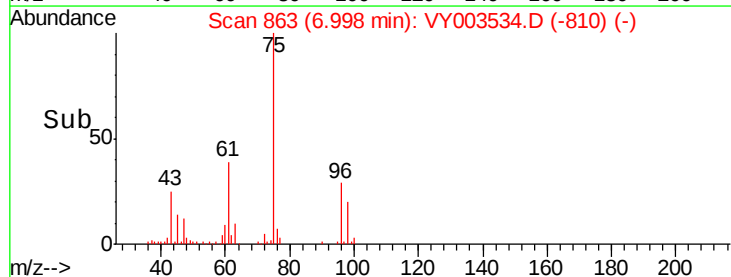
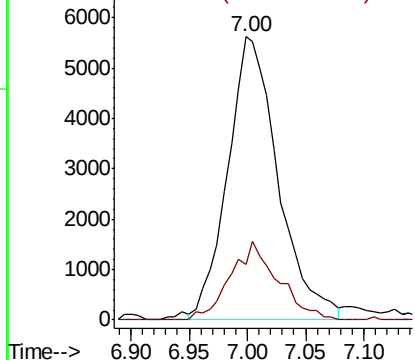


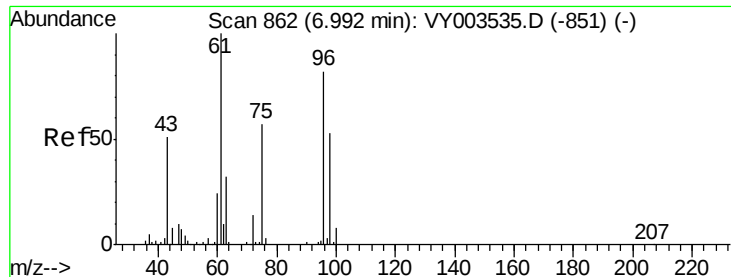
#21
 2-Butanone
 Concen: 10.425 ug/L
 RT: 7.00 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VY003534.D
 Acq: 18 Nov 2020 17:46

Tgt Ion: 43 Resp: 16919
 Ion Ratio Lower Upper
 43 100
 72 26.0 12.6 37.6



Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 72.00 (71.70 to 72.70): VY0



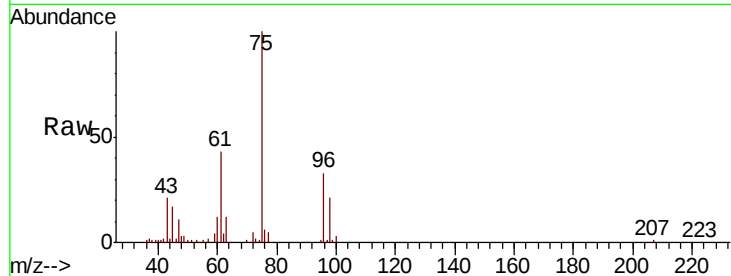


#22

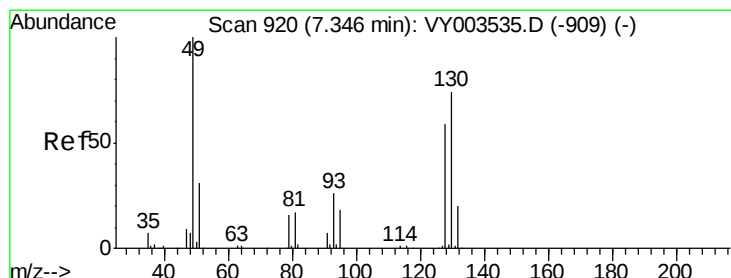
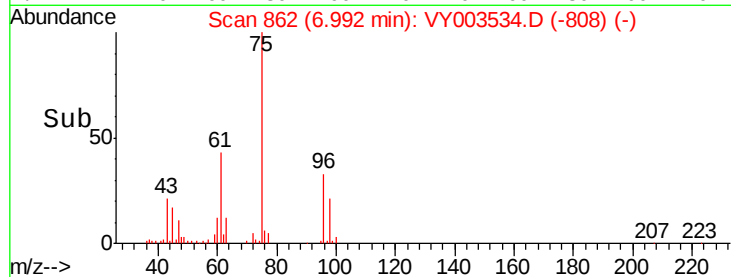
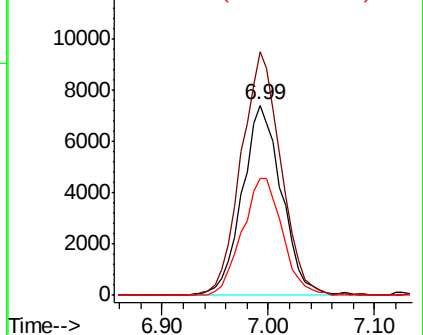
cis-1,2-Dichloroethene
Concen: 4.946 ug/L
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY003534.D
Acq: 18 Nov 2020 17:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTD00582

Tot Ion: 96 Resp: 19313
Ion Ratio Lower Upper
96 100
61 128.1 85.3 158.3
98 61.7 44.9 83.3



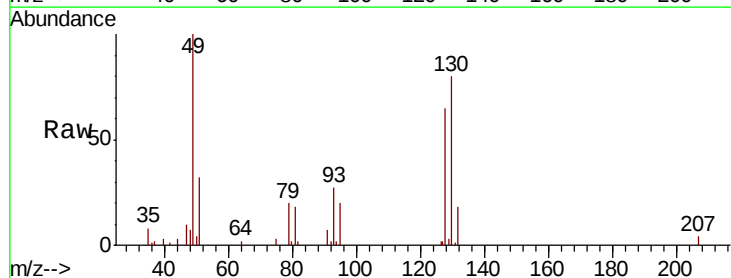
Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 98.00 (97.70 to 98.70): VY0



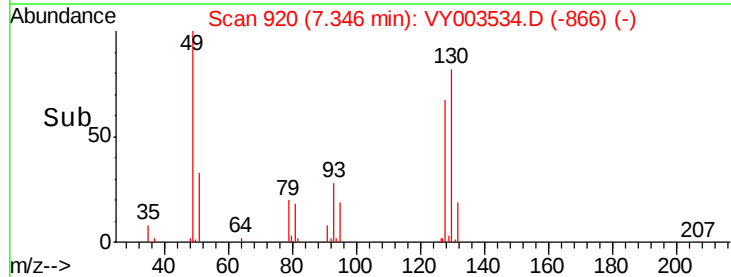
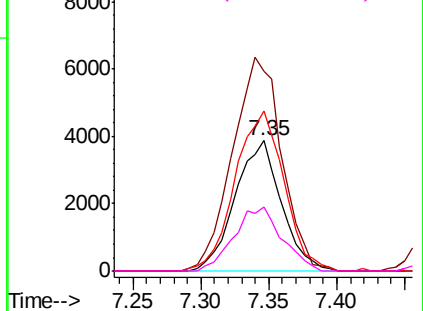
#23

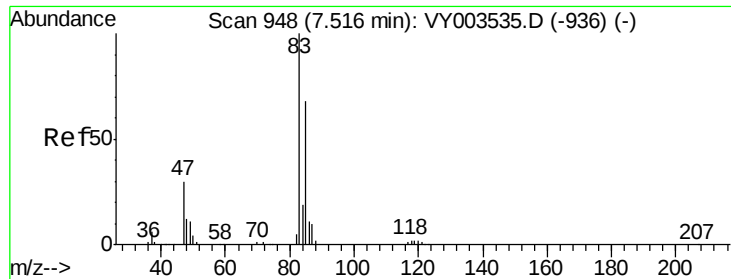
Bromochloromethane
Concen: 4.829 ug/L
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY003534.D
Acq: 18 Nov 2020 17:46

Tgt Ion: 128 Resp: 9225
Ion Ratio Lower Upper
128 100
49 153.1 118.8 220.6
130 122.7 87.8 163.0
51 49.2 42.5 63.7



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

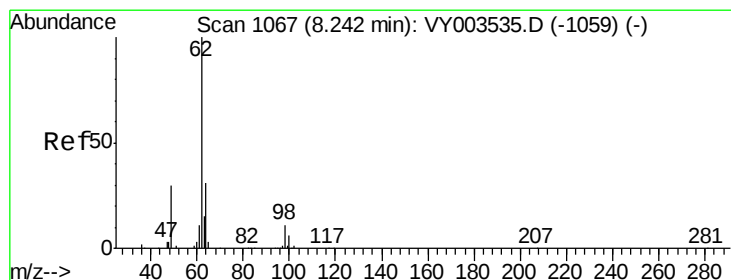
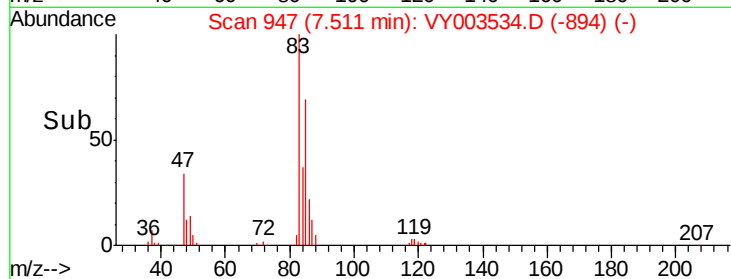
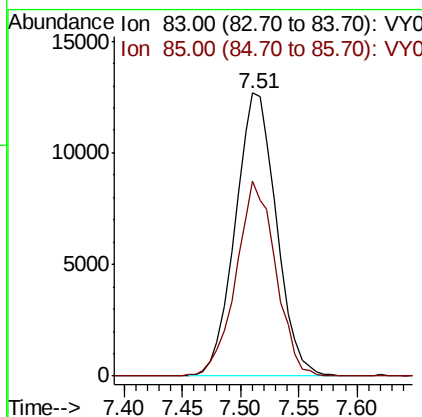
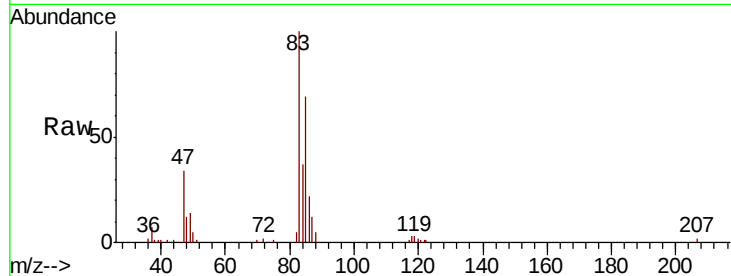




#25
Chloroform
Concen: 5.020 ug/L
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY003534.D
Acq: 18 Nov 2020 17:46

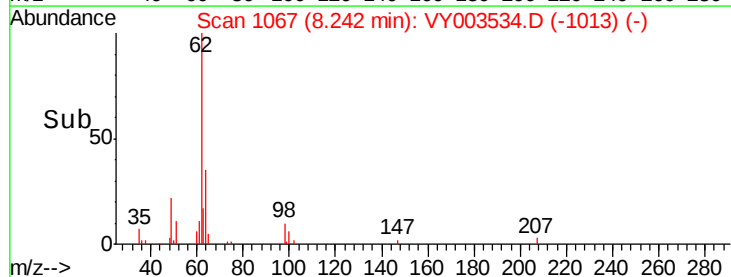
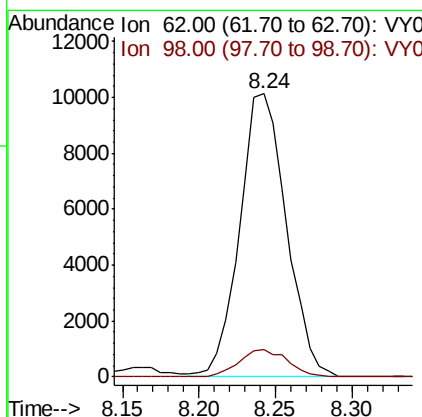
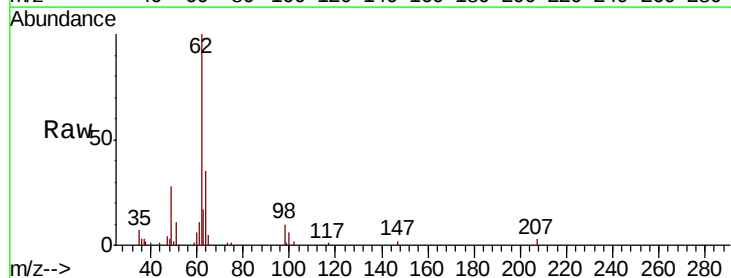
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00582

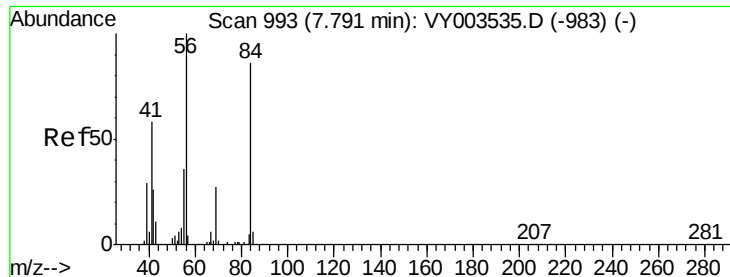
Tot Ion: 83 Resp: 31156
Ion Ratio Lower Upper
83 100
85 66.4 46.2 85.8



#27
1,2-Dichloroethane
Concen: 5.052 ug/L
RT: 8.24 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VY003534.D
Acq: 18 Nov 2020 17:46

Tgt Ion: 62 Resp: 21501
Ion Ratio Lower Upper
62 100
98 9.5 8.4 12.6

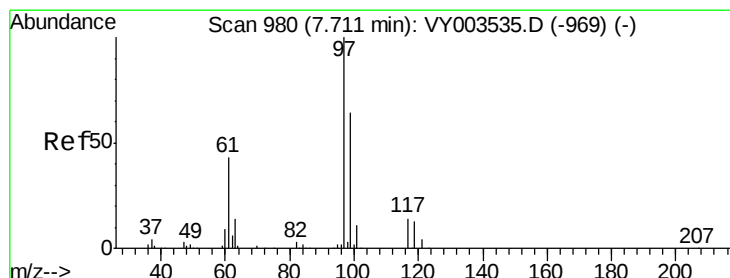
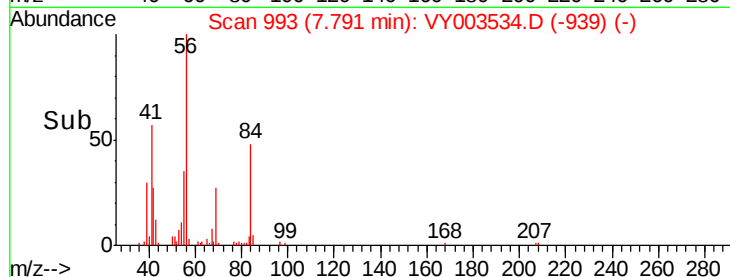
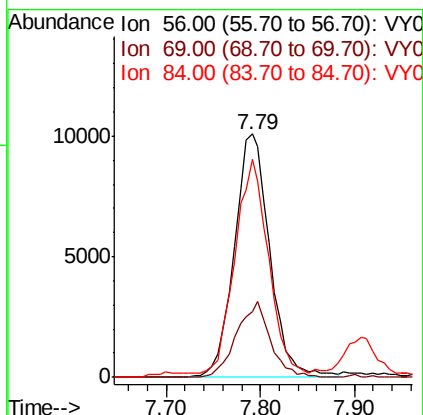
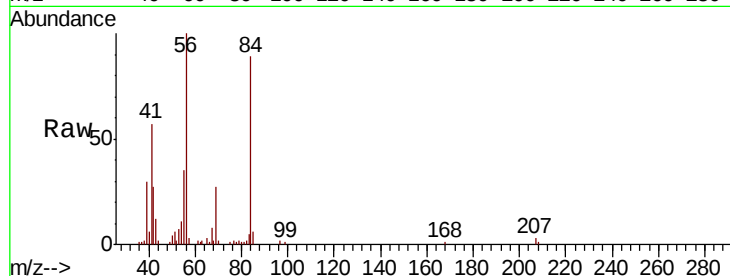




#30
Cyclohexane
Concen: 4.872 ug/L
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY003534.D
Acq: 18 Nov 2020 17:46

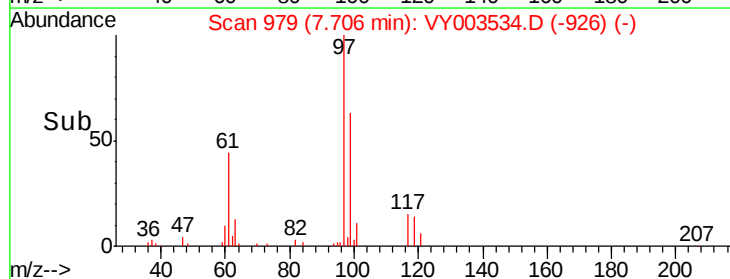
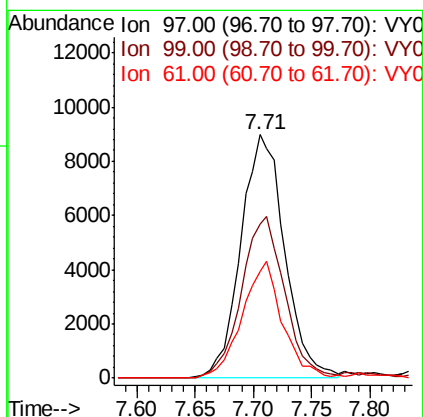
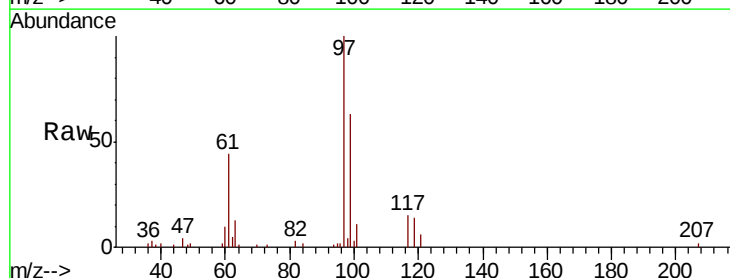
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00582

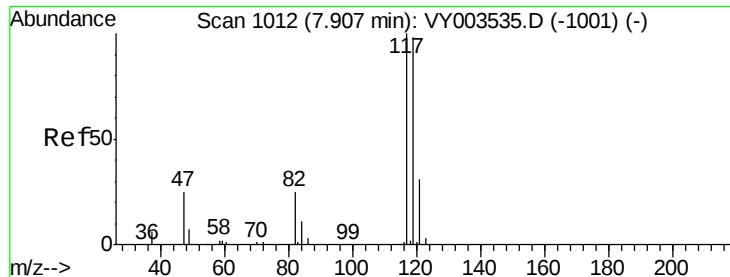
Tot Ion	56	Resp	26550
Ion	Ratio	Lower	Upper
56	100		
69	29.6	22.9	34.3
84	84.6	69.8	104.8



#31
1,1,1-Trichloroethane
Concen: 4.867 ug/L
RT: 7.71 min Scan# 979
Delta R.T. -0.01 min
Lab File: VY003534.D
Acq: 18 Nov 2020 17:46

Tgt Ion	97	Resp	23508
Ion	Ratio	Lower	Upper
97	100		
99	65.2	49.5	74.3
61	43.8	33.8	50.6

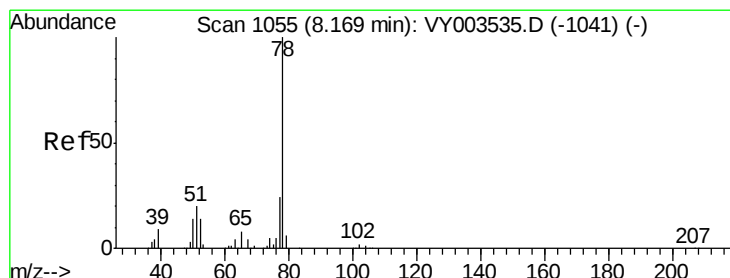
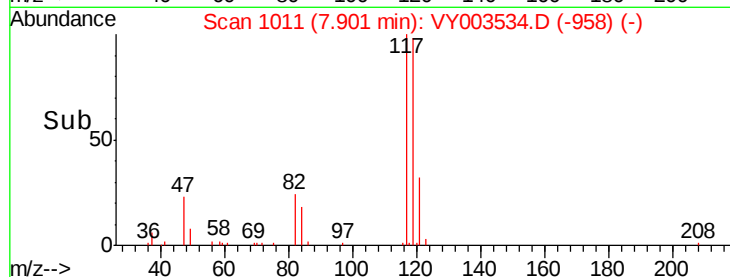
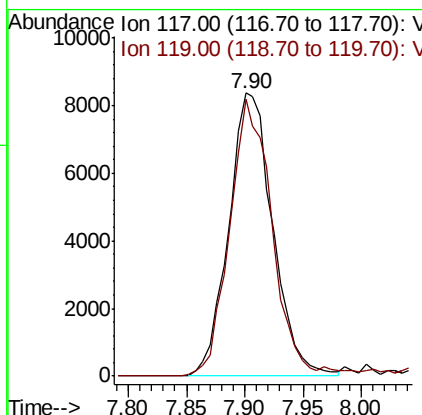
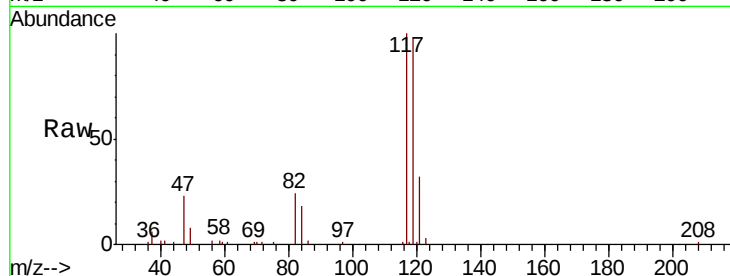




#32
Carbon tetrachloride
Concen: 4.997 ug/L
RT: 7.90 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VY003534.D
Acq: 18 Nov 2020 17:46

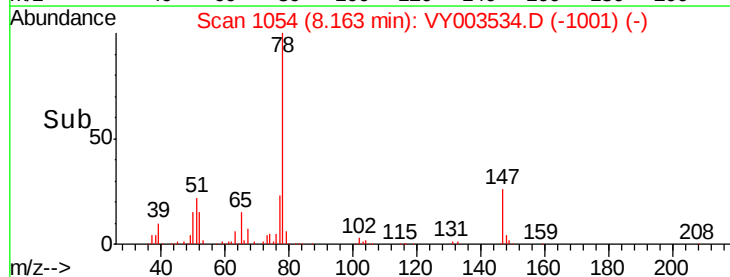
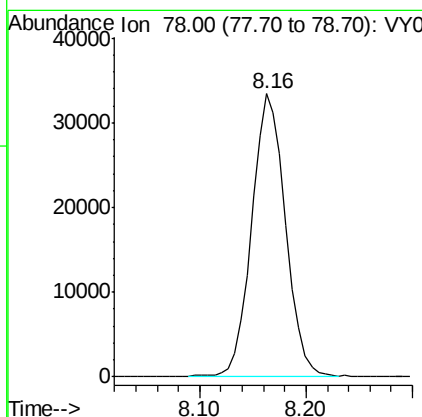
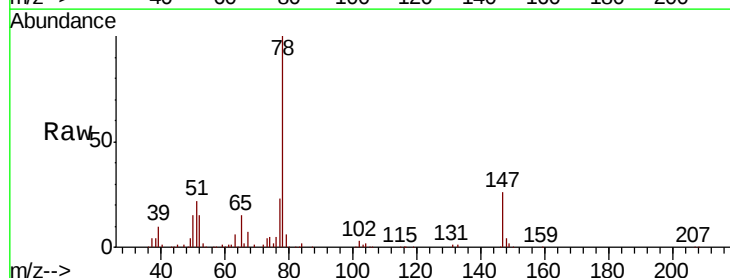
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00582

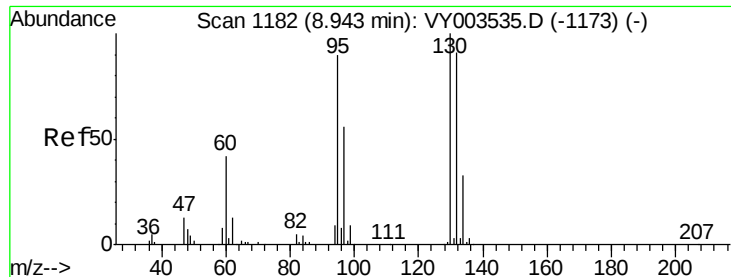
Tot Ion:117 Resp: 22037
Ion Ratio Lower Upper
117 100
119 92.9 78.1 117.1



#34
Benzene
Concen: 5.113 ug/L
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY003534.D
Acq: 18 Nov 2020 17:46

Tgt Ion: 78 Resp: 74387

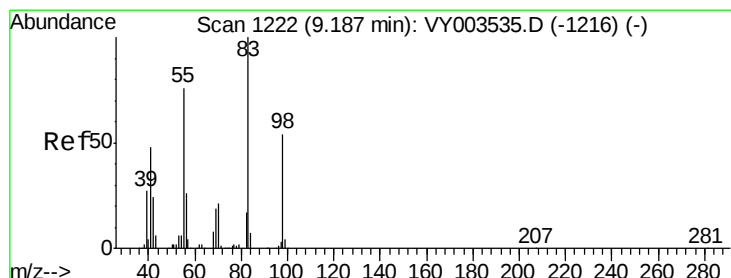
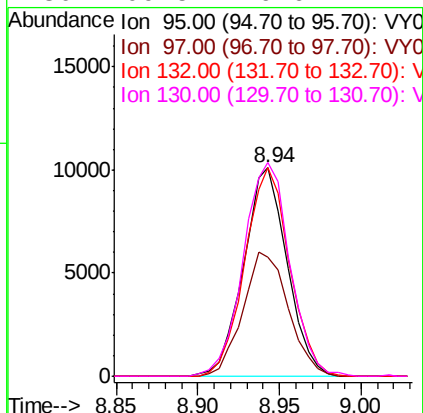
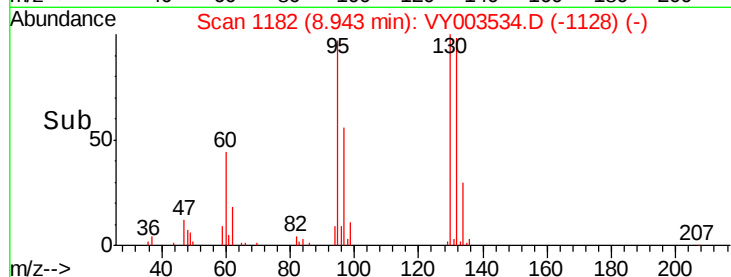
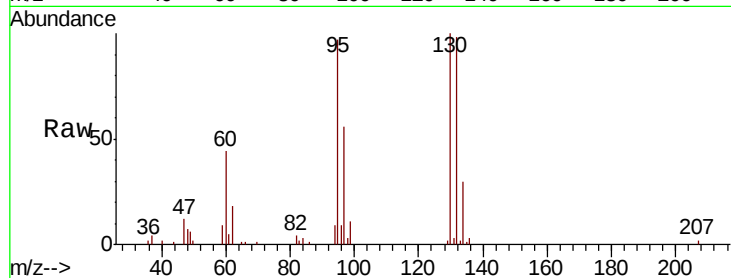




#35
 Trichloroethene
 Concen: 5.220 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VY003534.D
 Acq: 18 Nov 2020 17:46

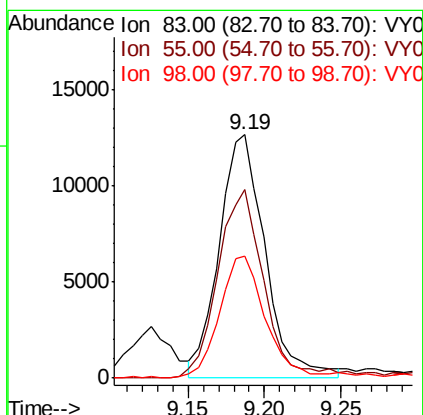
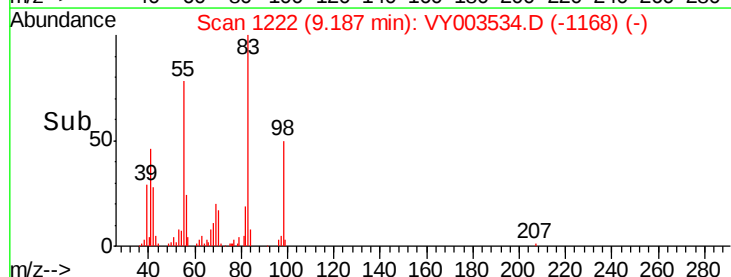
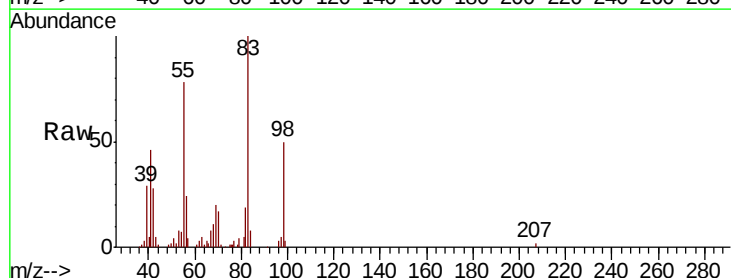
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00582

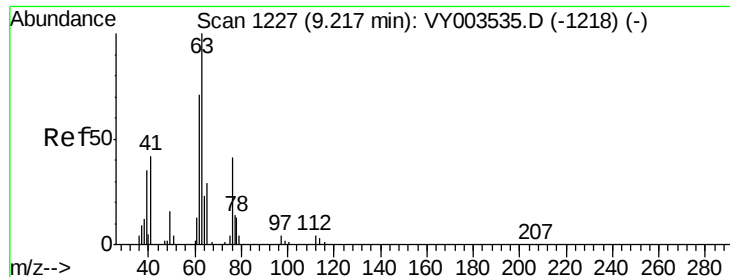
Tot Ion:	95	Resp:	18714
Ion	Ratio	Lower	Upper
95	100		
97	62.3	44.8	83.2
132	102.7	72.2	134.0
130	109.5	76.6	142.2



#36
 Methylcyclohexane
 Concen: 5.021 ug/L
 RT: 9.19 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: VY003534.D
 Acq: 18 Nov 2020 17:46

Tgt Ion:	83	Resp:	26436
Ion	Ratio	Lower	Upper
83	100		
55	78.0	63.4	95.0
98	49.2	43.3	64.9

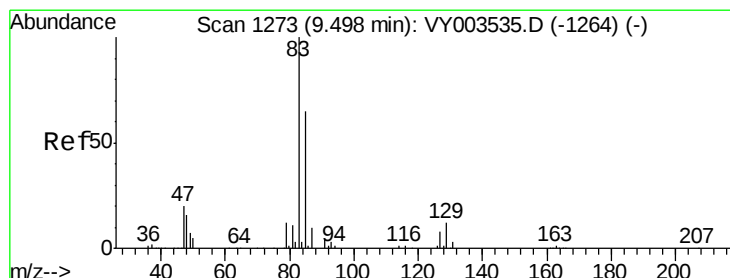
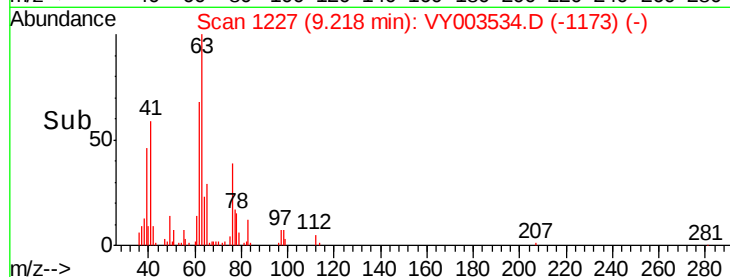
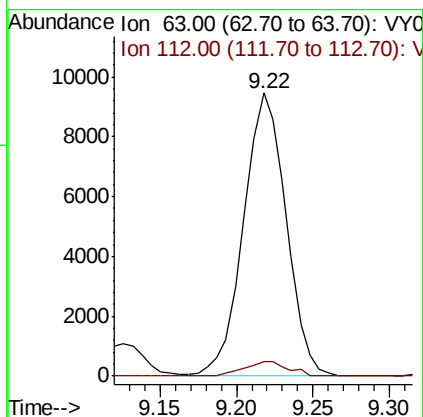
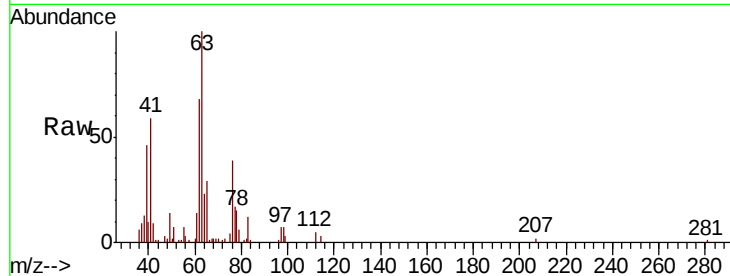




#40
 1,2-Dichloropropane
 Concen: 5.048 ug/L
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY003534.D
 Acq: 18 Nov 2020 17:46

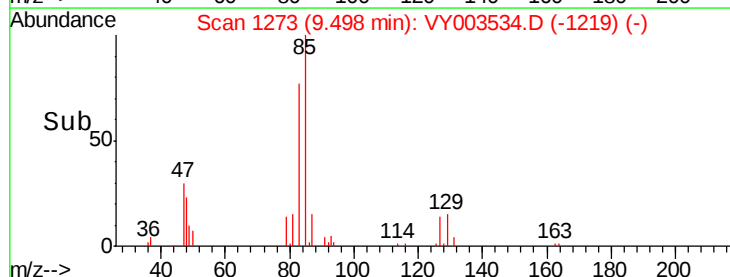
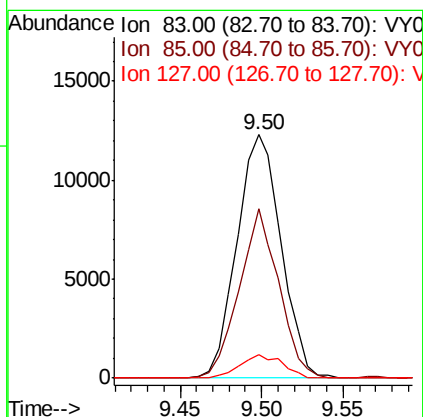
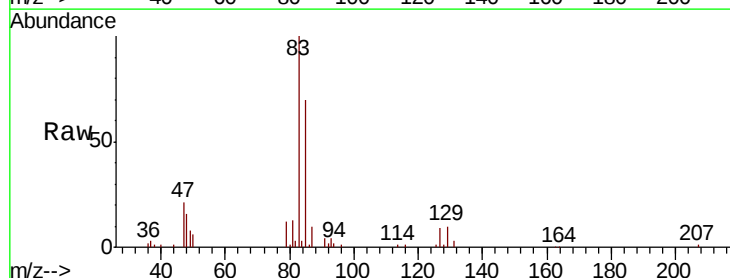
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00582

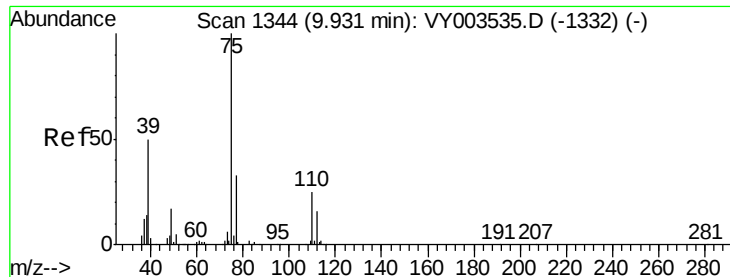
Tot Ion: 63 Resp: 18353
 Ion Ratio Lower Upper
 63 100
 112 5.2 3.4 5.2#



#41
 Bromodichloromethane
 Concen: 5.093 ug/L
 RT: 9.50 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VY003534.D
 Acq: 18 Nov 2020 17:46

Tgt Ion: 83 Resp: 23226
 Ion Ratio Lower Upper
 83 100
 85 69.6 45.6 84.6
 127 9.5 6.4 9.6





#42

cis-1,3-Dichloropropene

Concen: 4.846 ug/L

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY003534.D

Acq: 18 Nov 2020 17:46

Instrument :

MSVOA_Y

ClientSampleId :

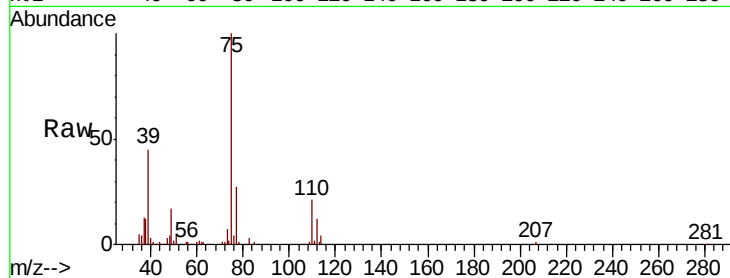
VSTD00582

Tot Ion: 75 Resp: 27735

Ion Ratio Lower Upper

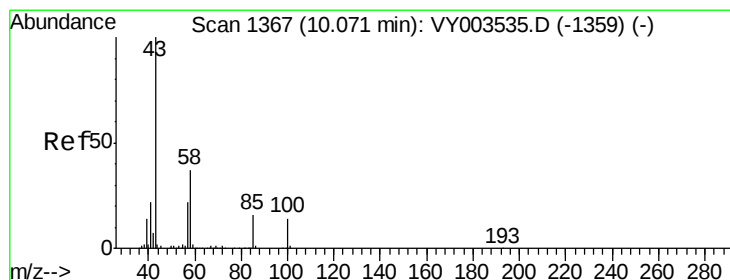
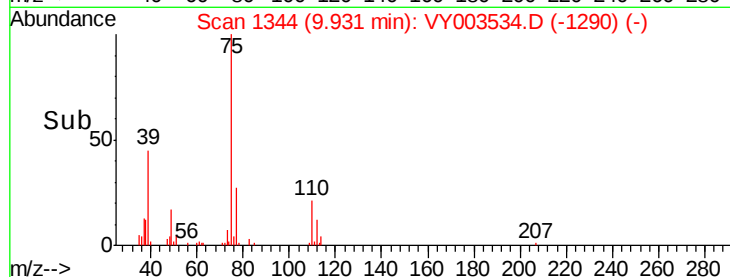
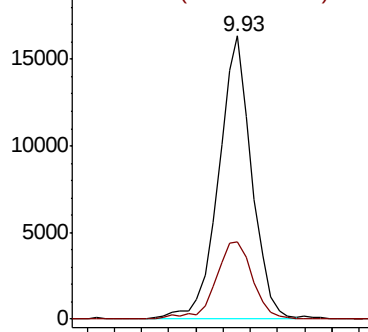
75 100

77 27.5 23.4 43.4



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#43

4-Methyl-2-pentanone

Concen: 10.517 ug/L

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY003534.D

Acq: 18 Nov 2020 17:46

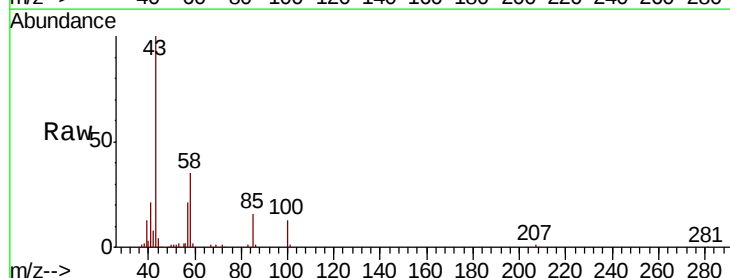
Tgt Ion: 43 Resp: 31101

Ion Ratio Lower Upper

43 100

58 35.6 30.2 45.4

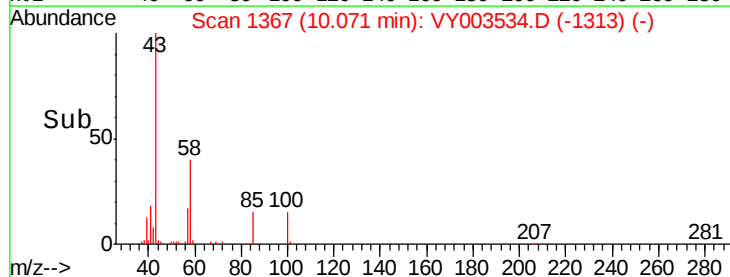
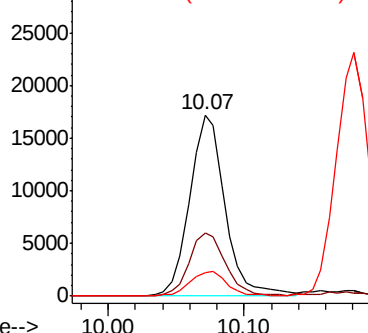
100 14.0 12.0 18.0

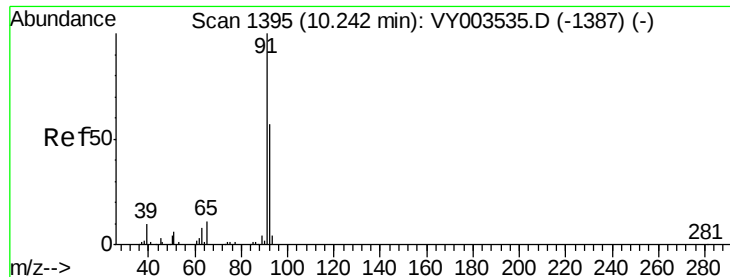


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#44

Toluene

Concen: 4.940 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY003534.D

Acq: 18 Nov 2020 17:46

Instrument :

MSVOA_Y

ClientSampleId :

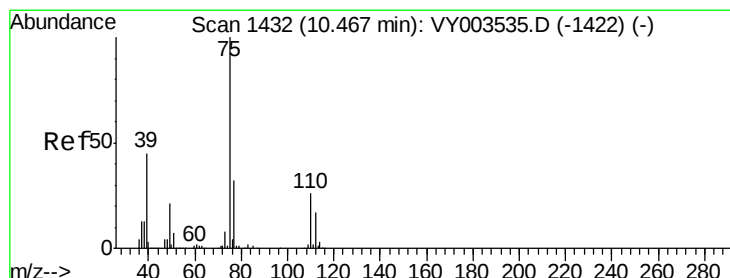
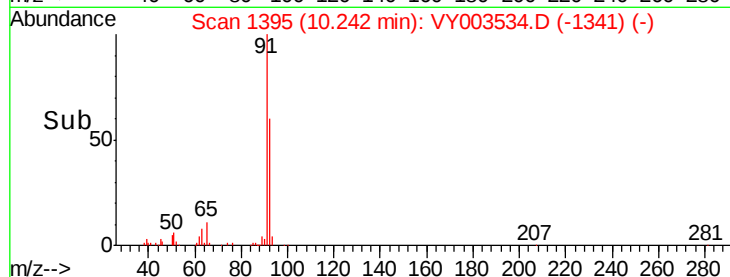
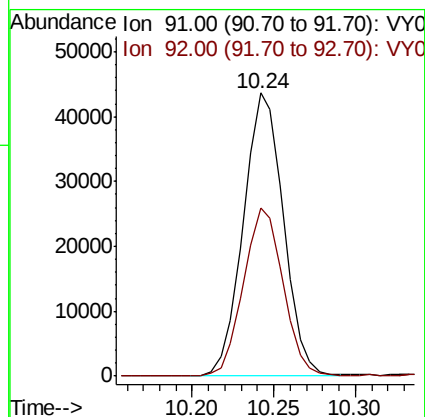
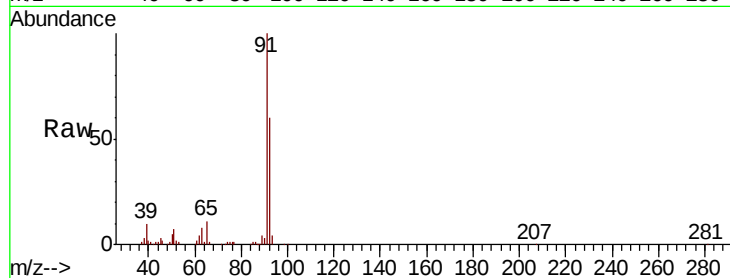
VSTD00582

Tot Ion: 91 Resp: 74806

Ion Ratio Lower Upper

91 100

92 59.6 39.8 74.0



#45

trans-1,3-Dichloropropene

Concen: 4.966 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY003534.D

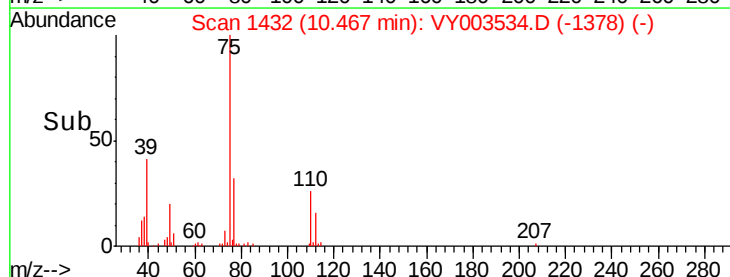
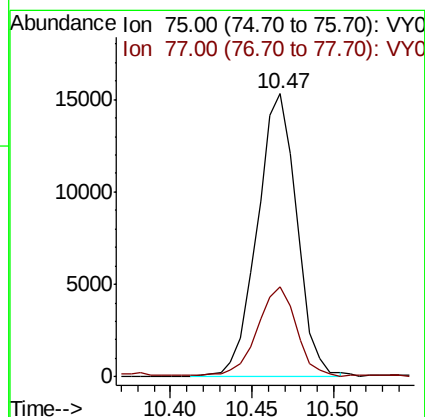
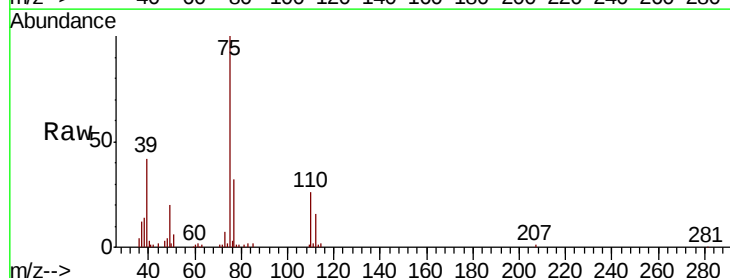
Acq: 18 Nov 2020 17:46

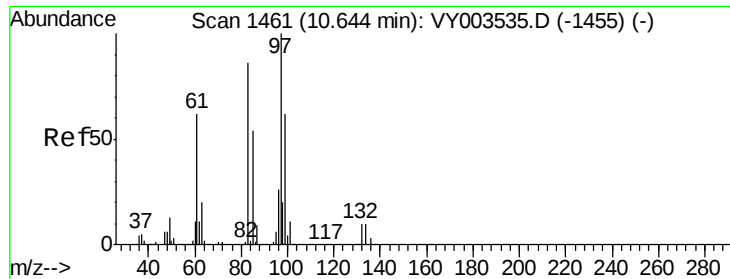
Tgt Ion: 75 Resp: 25863

Ion Ratio Lower Upper

75 100

77 31.9 22.6 42.0

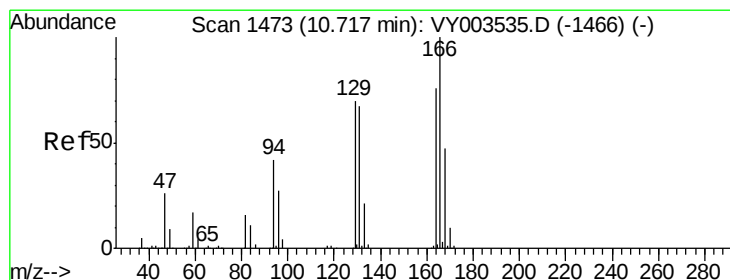
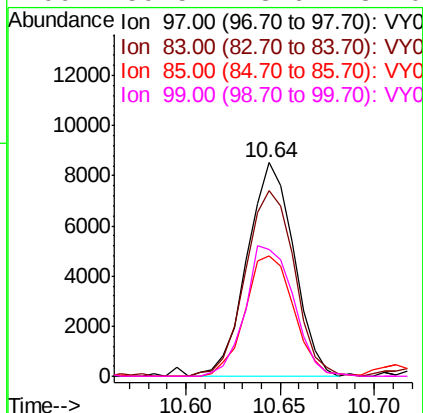
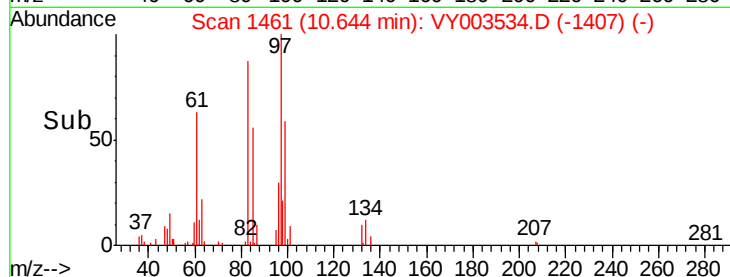
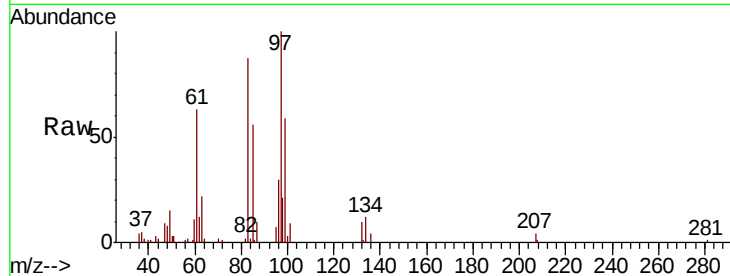




#46
1,1,2-Trichloroethane
Concen: 5.044 ug/L
RT: 10.64 min Scan# 1461
Delta R.T. 0.00 min
Lab File: VY003534.D
Acq: 18 Nov 2020 17:46

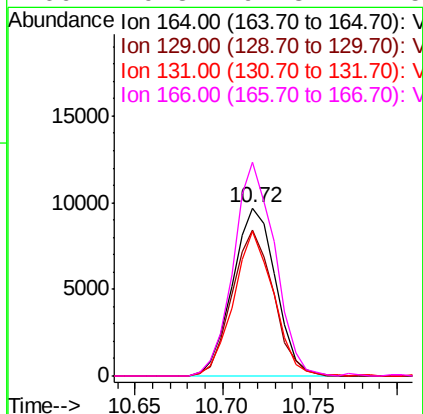
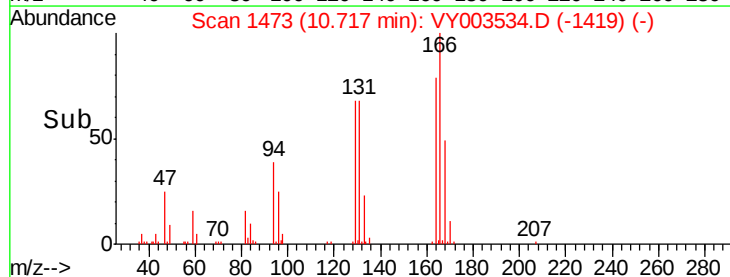
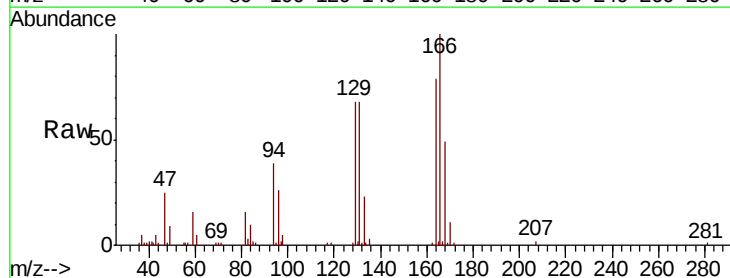
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00582

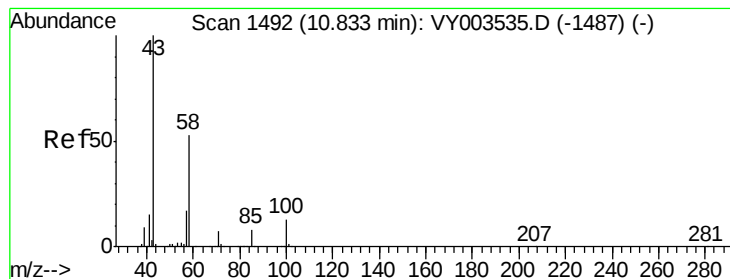
Tot Ion: 97 Resp: 14710
Ion Ratio Lower Upper
97 100
83 86.7 60.1 111.5
85 56.3 37.5 69.7
99 59.5 43.6 81.0



#47
Tetrachloroethene
Concen: 5.452 ug/L
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY003534.D
Acq: 18 Nov 2020 17:46

Tgt Ion: 164 Resp: 16626
Ion Ratio Lower Upper
164 100
129 87.1 64.3 119.3
131 86.4 61.7 114.5
166 129.8 92.3 171.5





#49

2-Hexanone

Concen: 9.344 ug/L

RT: 10.83 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VY003534.D

Acq: 18 Nov 2020 17:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00582

Tot Ion: 43 Resp: 22134

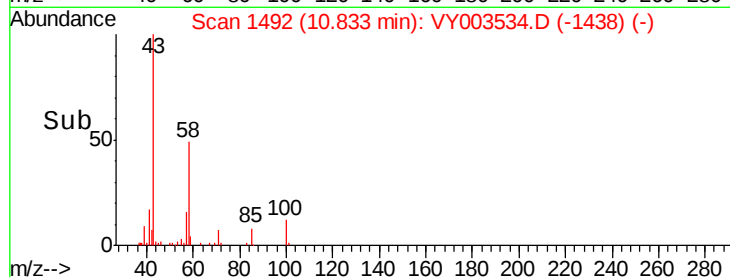
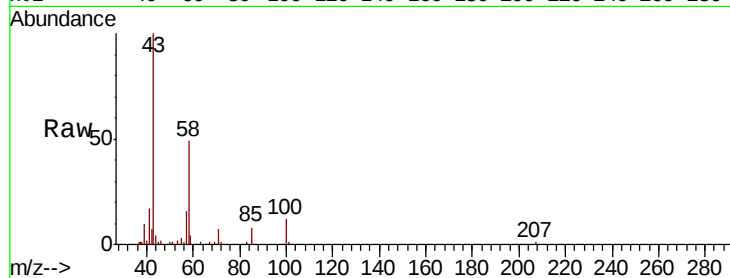
Ion Ratio Lower Upper

43 100

58 51.6 41.8 62.6

57 17.4 13.5 20.3

100 10.8 9.5 14.3

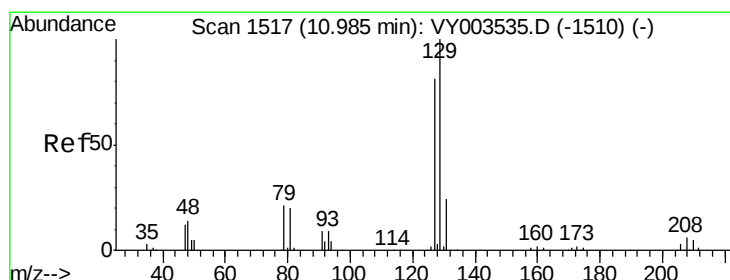
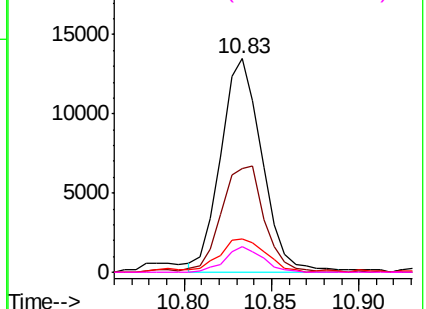


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#50

Dibromochloromethane

Concen: 4.902 ug/L

RT: 10.99 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VY003534.D

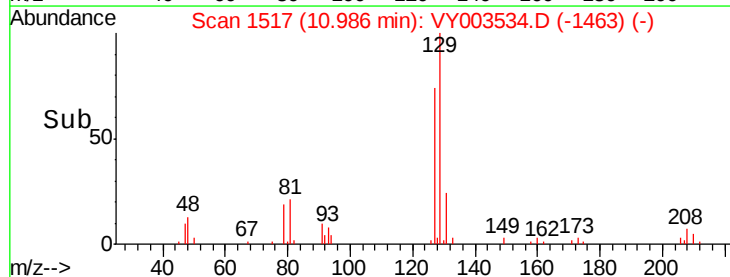
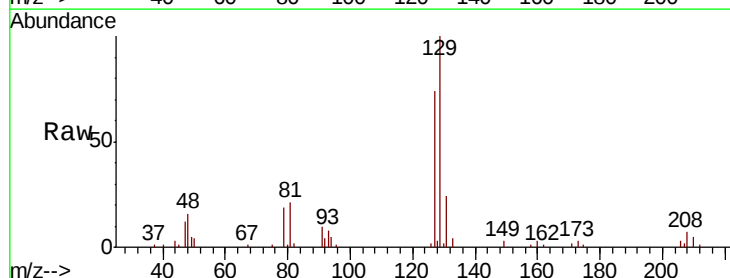
Acq: 18 Nov 2020 17:46

Tgt Ion: 129 Resp: 16958

Ion Ratio Lower Upper

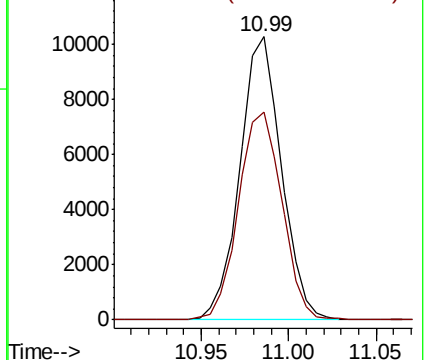
129 100

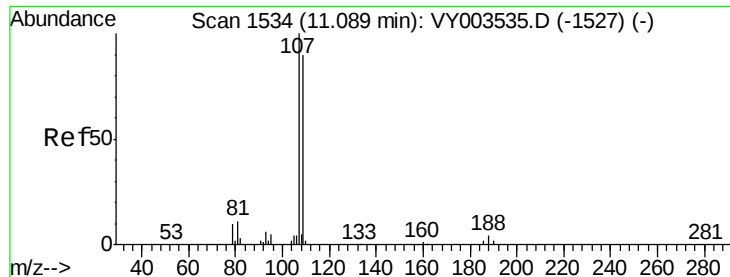
127 73.6 56.9 105.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

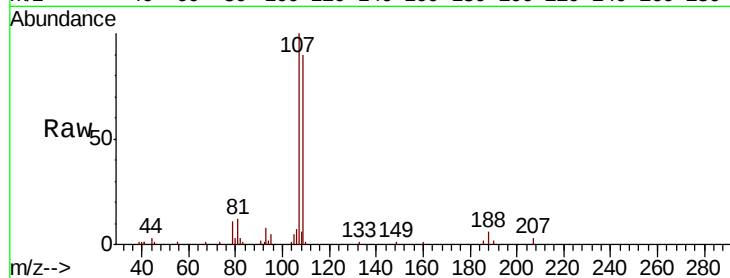




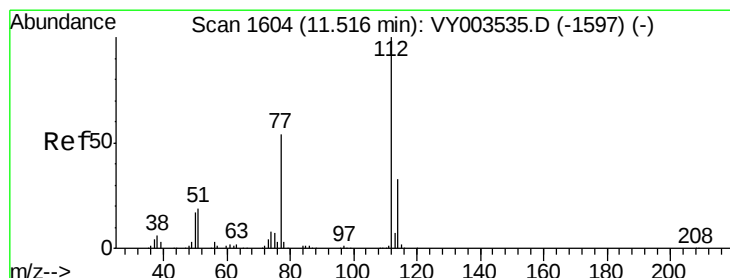
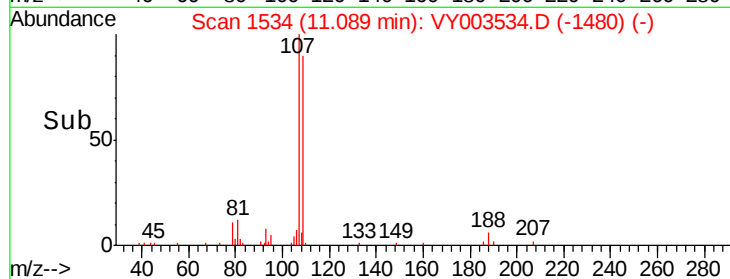
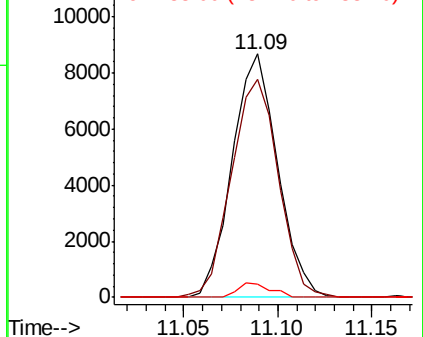
#51
 1,2-Dibromoethane
 Concen: 5.060 ug/L
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY003534.D
 Acq: 18 Nov 2020 17:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00582

Tot Ion:107 Resp: 14512
 Ion Ratio Lower Upper
 107 100
 109 89.8 63.0 117.0
 188 5.6 3.4 5.2#

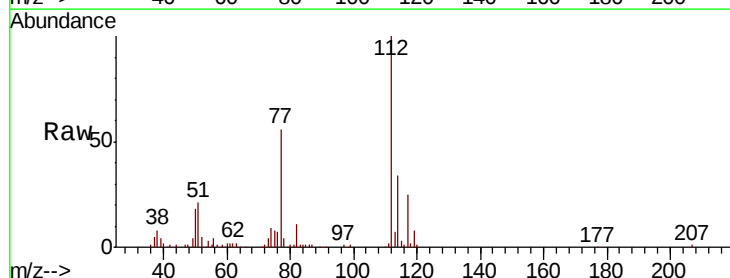


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

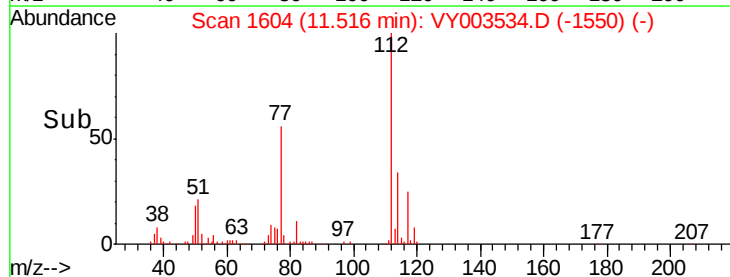
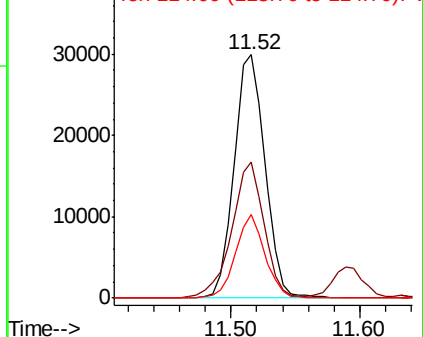


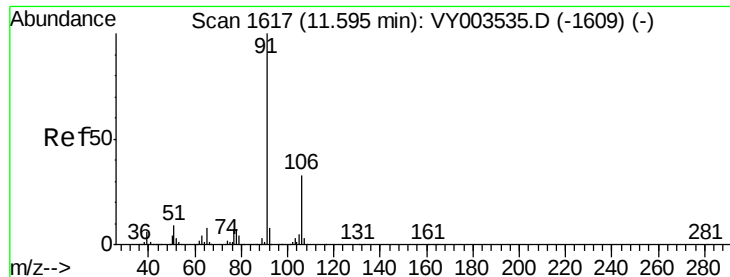
#52
 Chlorobenzene
 Concen: 5.172 ug/L
 RT: 11.52 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VY003534.D
 Acq: 18 Nov 2020 17:46

Tgt Ion:112 Resp: 49802
 Ion Ratio Lower Upper
 112 100
 77 55.8 43.6 65.4
 114 34.5 23.0 42.6



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: 4.812 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: VY003534.D

Acq: 18 Nov 2020 17:46

Instrument :

MSVOA_Y

ClientSampled :

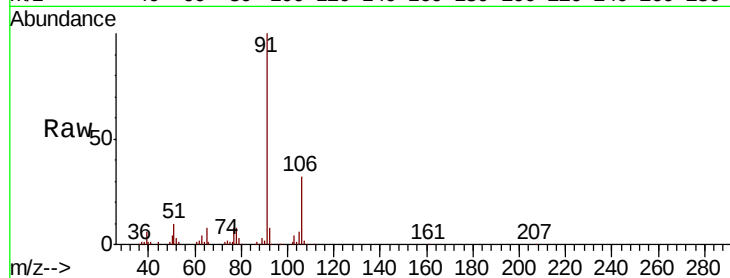
VSTD00582

Tot Ion: 91 Resp: 74314

Ion Ratio Lower Upper

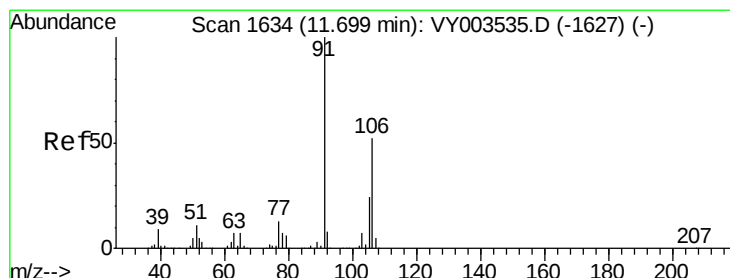
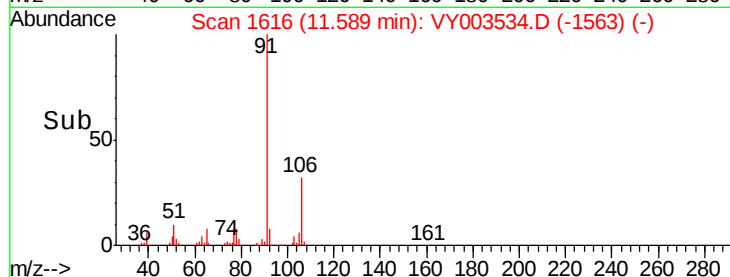
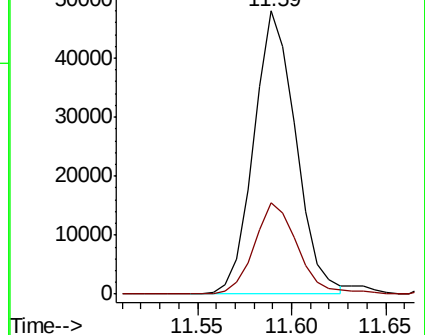
91 100

106 32.2 22.9 42.5



Abundance Ion 91.00 (90.70 to 91.70): VY003535.D (-1609) (-)

Ion 106.00 (105.70 to 106.70): VY003535.D (-1609) (-)



#54

m,p-Xylene

Concen: 5.006 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY003534.D

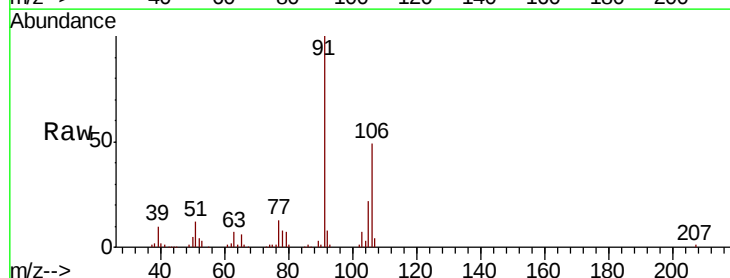
Acq: 18 Nov 2020 17:46

Tgt Ion: 106 Resp: 29651

Ion Ratio Lower Upper

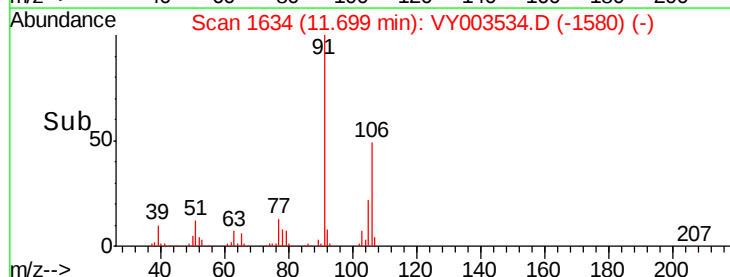
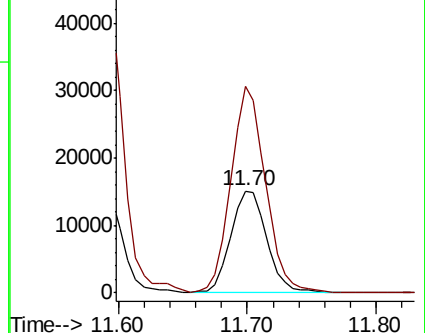
106 100

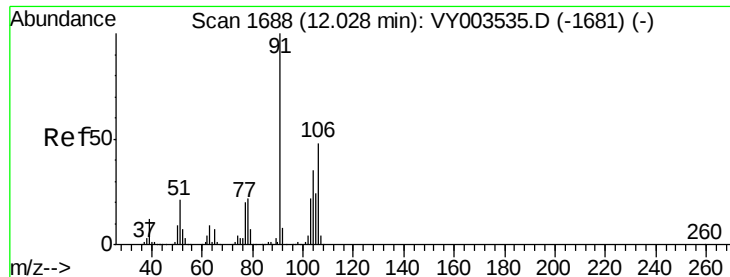
91 202.8 133.8 248.6



Abundance Ion 106.00 (105.70 to 106.70): VY003535.D (-1627) (-)

Ion 91.00 (90.70 to 91.70): VY003535.D (-1627) (-)

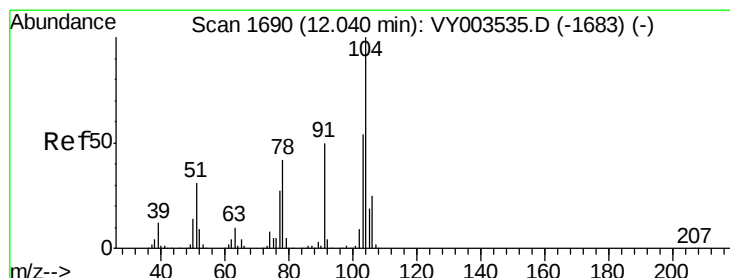
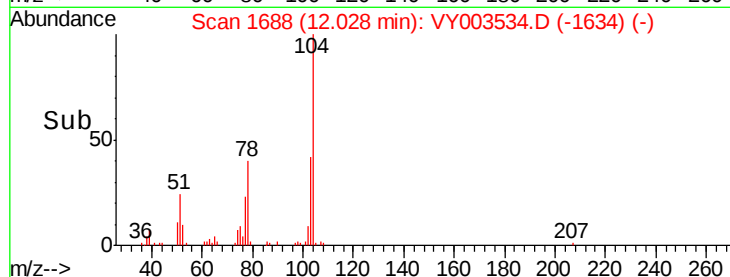
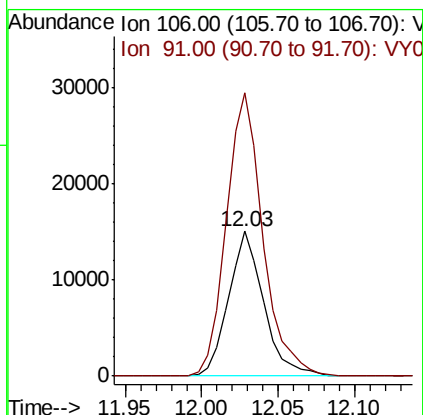
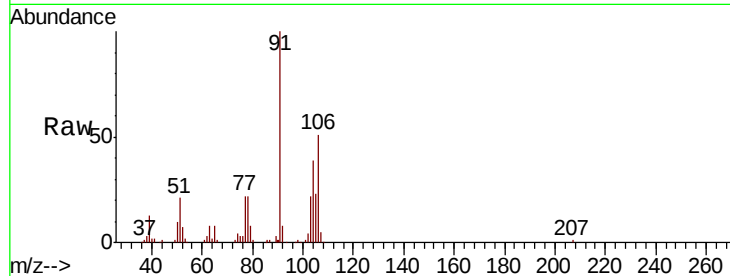




#55
o-xylene
Concen: 4.854 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY003534.D
Acq: 18 Nov 2020 17:46

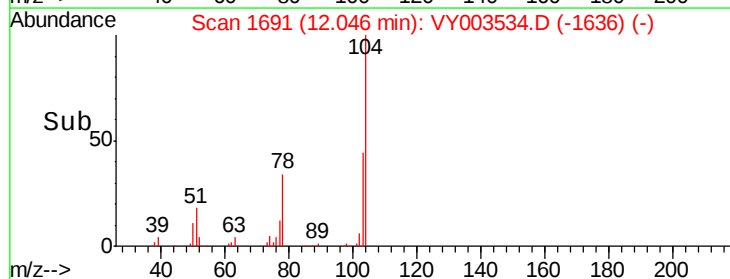
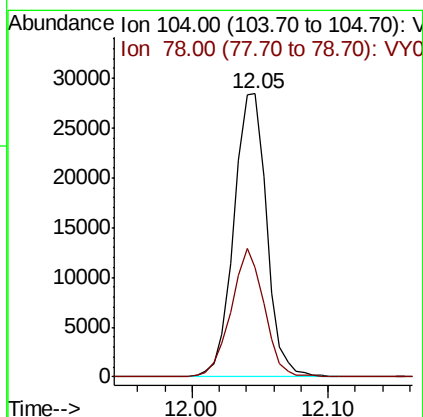
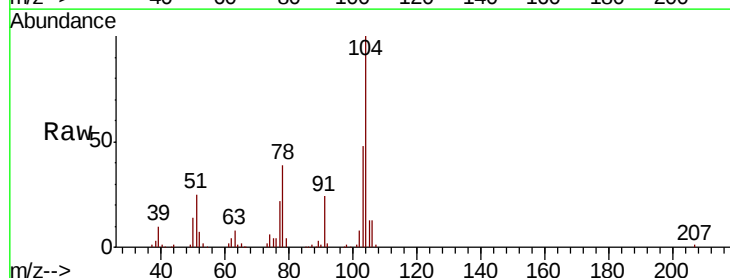
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00582

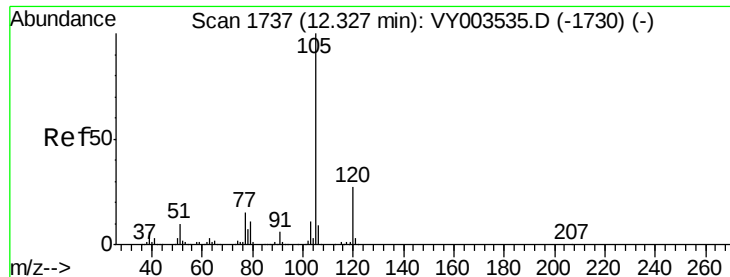
Tot Ion:106 Resp: 24037
Ion Ratio Lower Upper
106 100
91 195.1 144.8 269.0



#56
Styrene
Concen: 4.764 ug/L
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY003534.D
Acq: 18 Nov 2020 17:46

Tgt Ion:104 Resp: 47841
Ion Ratio Lower Upper
104 100
78 38.8 29.8 55.3





#57

Isopropylbenzene

Concen: 4.896 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY003534.D

Acq: 18 Nov 2020 17:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00582

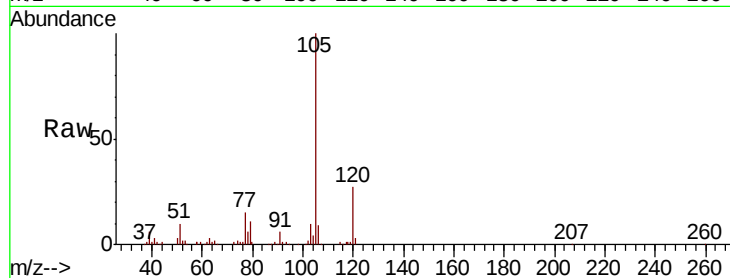
Tot Ion:105 Resp: 53332

Ion Ratio Lower Upper

105 100

120 27.2 21.8 32.8

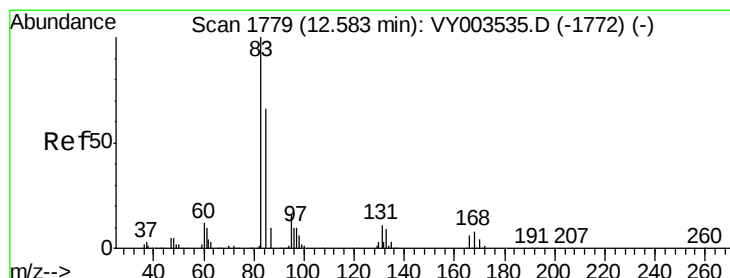
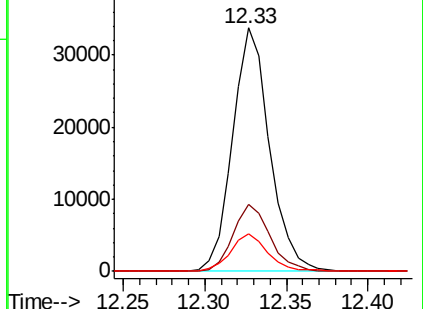
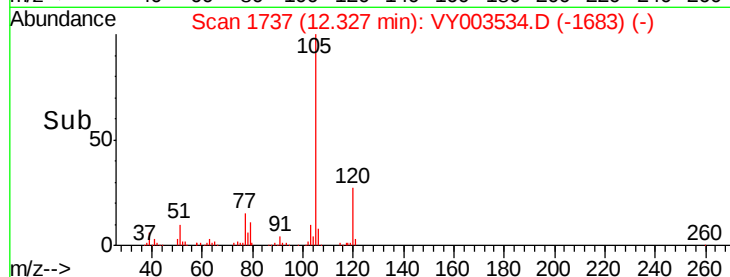
77 15.4 12.2 18.2



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: 4.789 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY003534.D

Acq: 18 Nov 2020 17:46

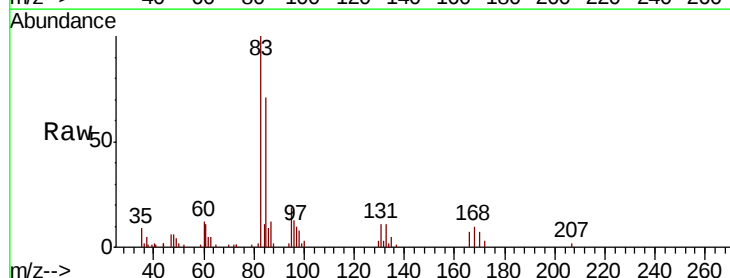
Tgt Ion: 83 Resp: 15778

Ion Ratio Lower Upper

83 100

85 71.0 46.5 86.5

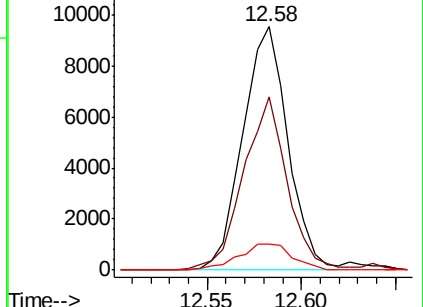
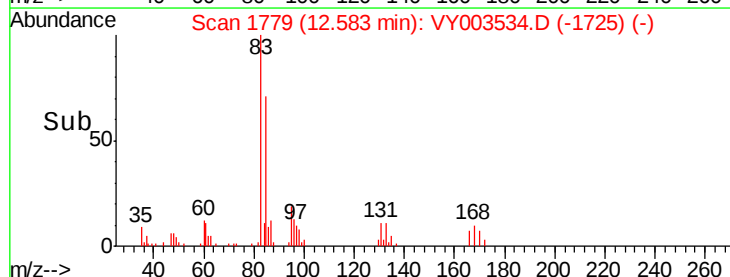
131 10.7 8.4 12.6

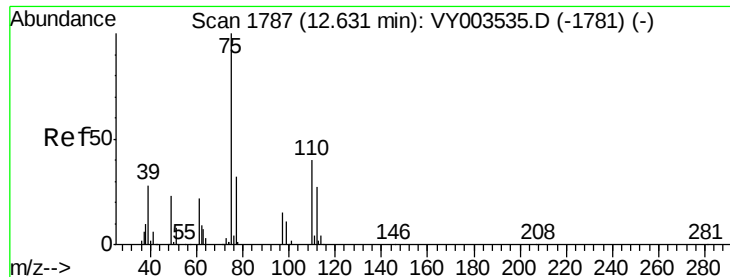


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 5.182 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY003534.D

Acq: 18 Nov 2020 17:46

Instrument :

MSVOA_Y

ClientSampleId :

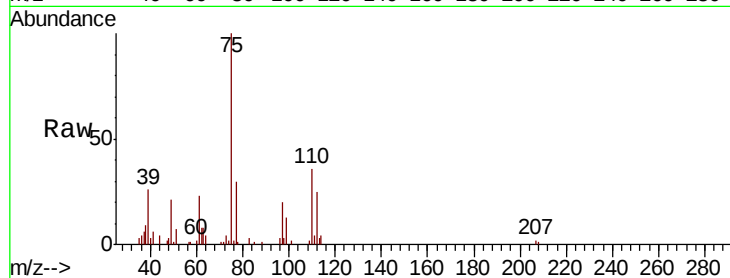
VSTD00582

Tot Ion: 75 Resp: 12854

Ion Ratio Lower Upper

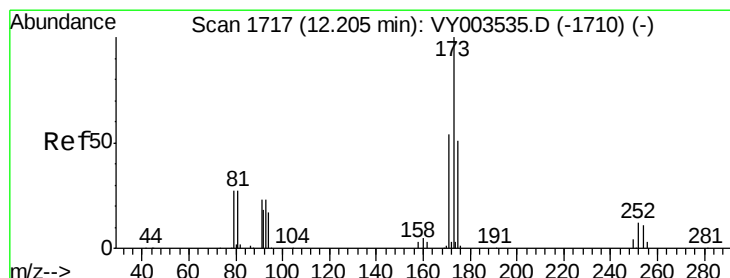
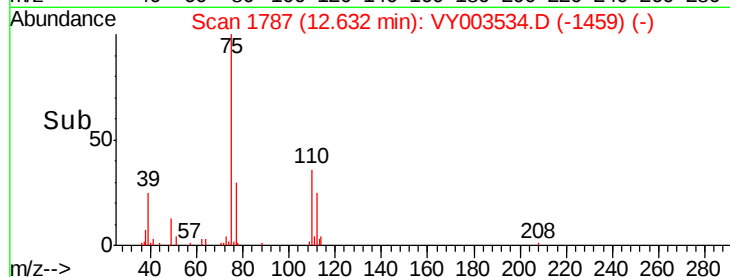
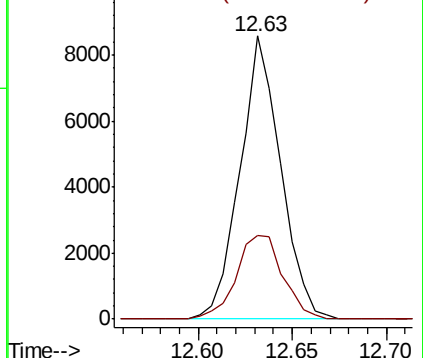
75 100

77 33.8 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#62

Bromoform

Concen: 4.935 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY003534.D

Acq: 18 Nov 2020 17:46

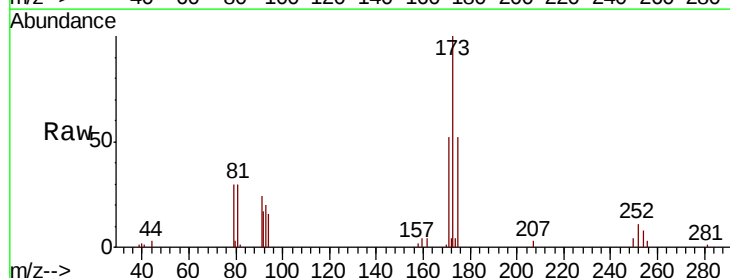
Tgt Ion: 173 Resp: 11235

Ion Ratio Lower Upper

173 100

175 48.0 39.3 58.9

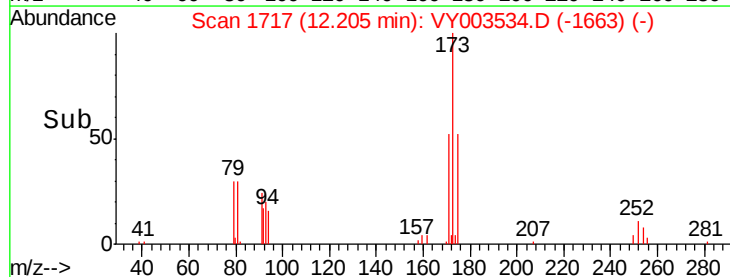
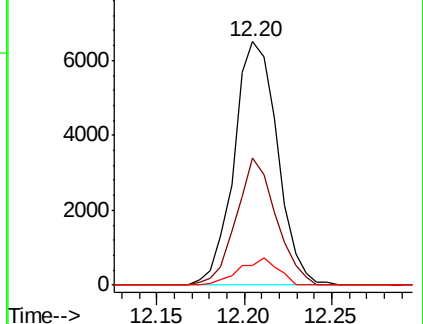
254 9.8 8.6 12.8

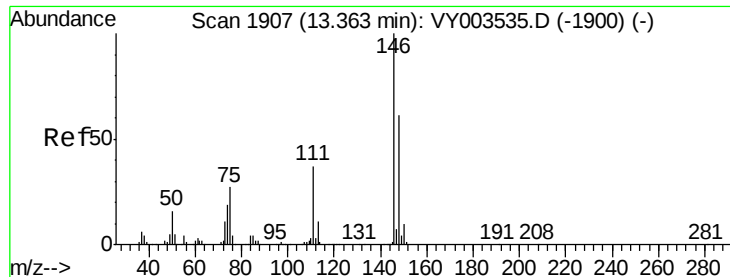


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

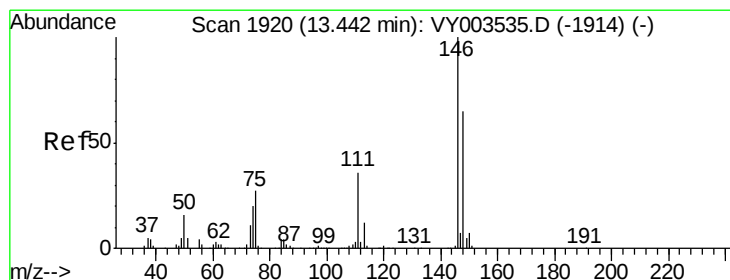
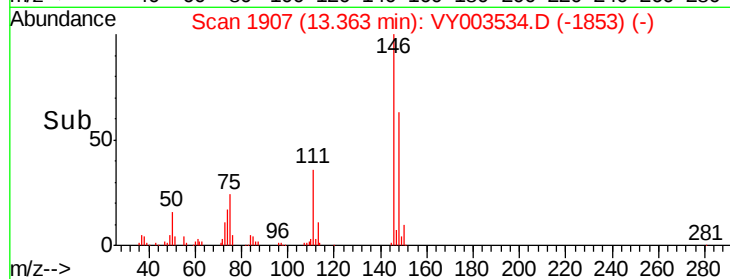
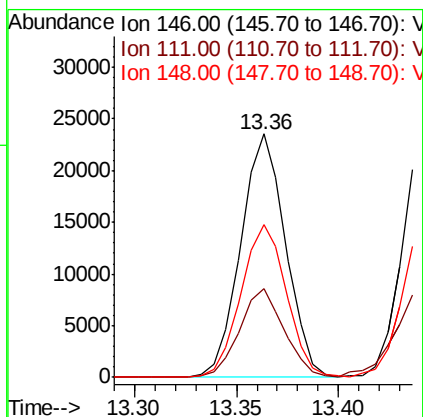
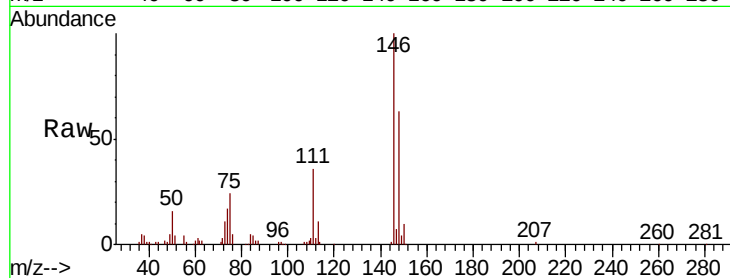




#63
 1,3-Dichlorobenzene
 Concen: 5.191 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY003534.D
 Acq: 18 Nov 2020 17:46

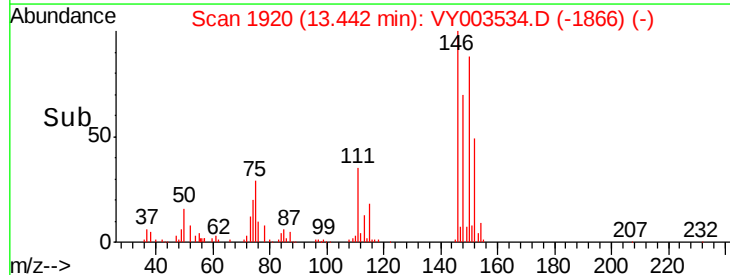
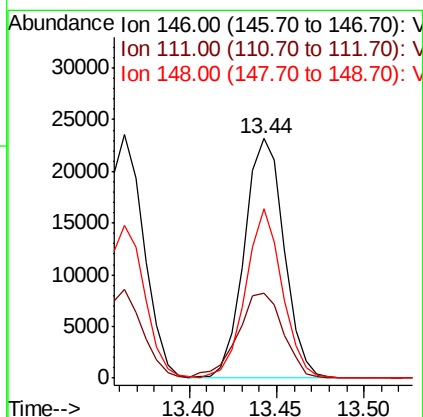
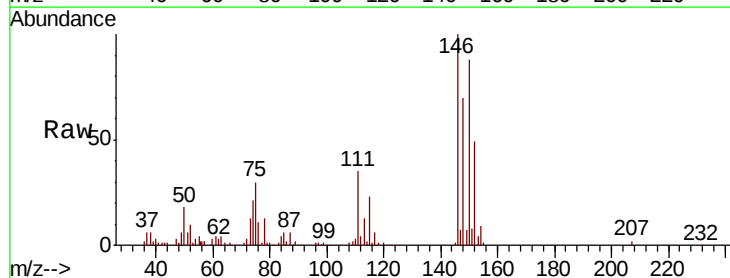
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00582

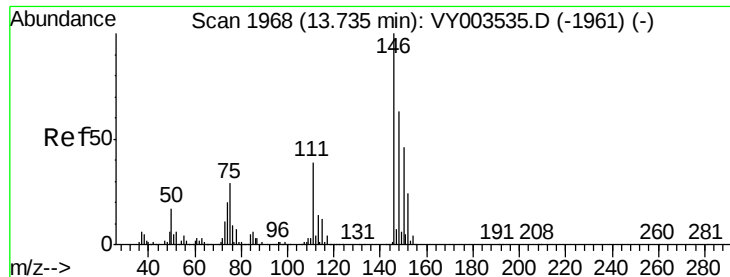
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	26.2	48.8
148	63.0	43.0	79.8



#64
 1,4-Dichlorobenzene
 Concen: 5.179 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY003534.D
 Acq: 18 Nov 2020 17:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	25.6	47.4
148	70.4	45.4	84.4

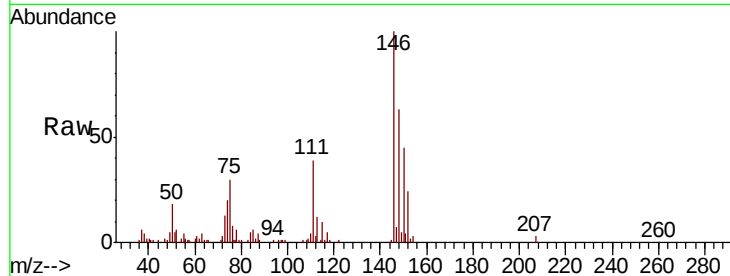




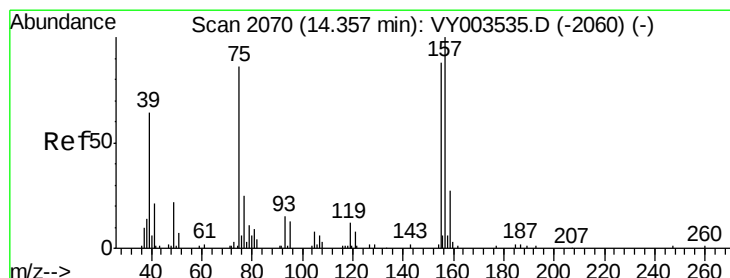
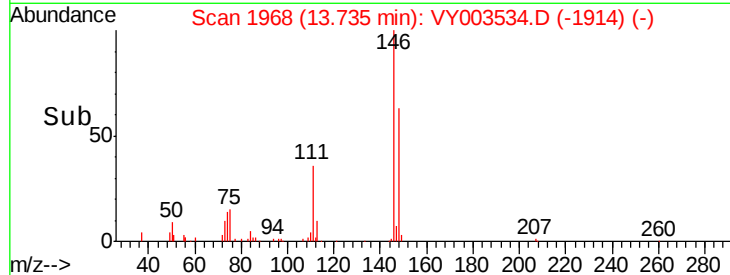
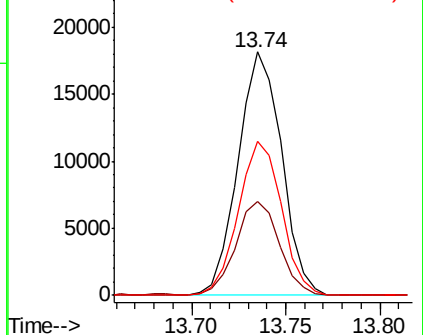
#65
 1,2-Dichlorobenzene
 Concen: 5.084 ug/L
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY003534.D
 Acq: 18 Nov 2020 17:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00582

Tot Ion:146 Resp: 29129
 Ion Ratio Lower Upper
 146 100
 111 38.6 31.5 47.3
 148 63.3 50.5 75.7

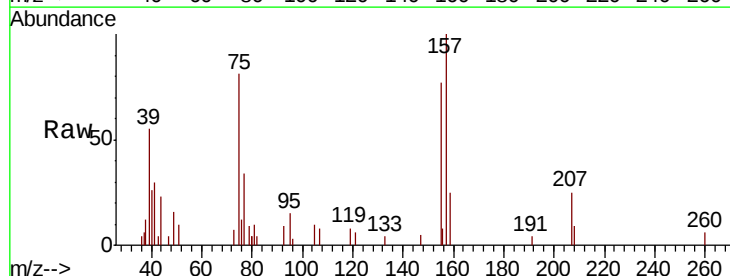


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

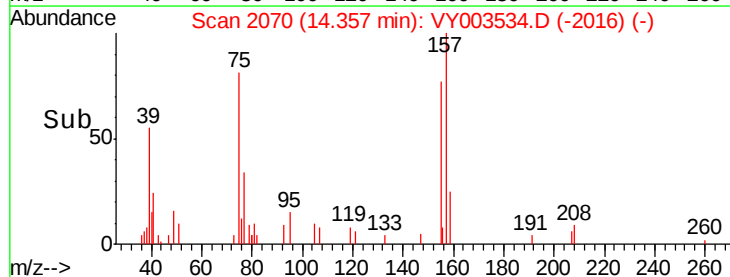
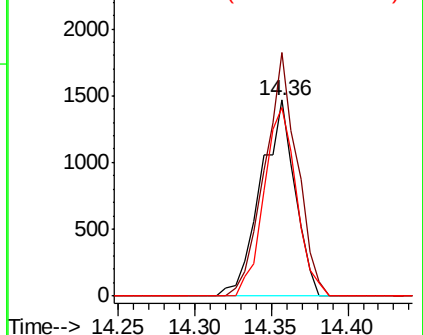


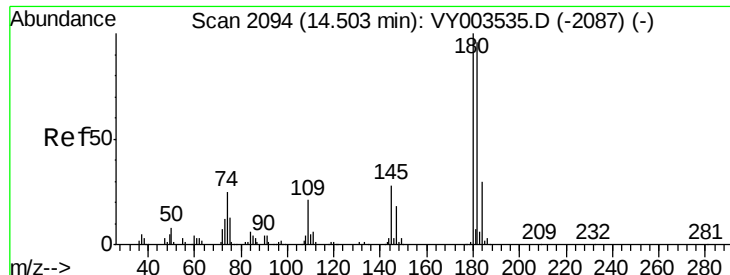
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.022 ug/L
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY003534.D
 Acq: 18 Nov 2020 17:46

Tgt Ion: 75 Resp: 2287
 Ion Ratio Lower Upper
 75 100
 157 124.1 92.8 139.2
 155 96.0 81.9 122.9



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

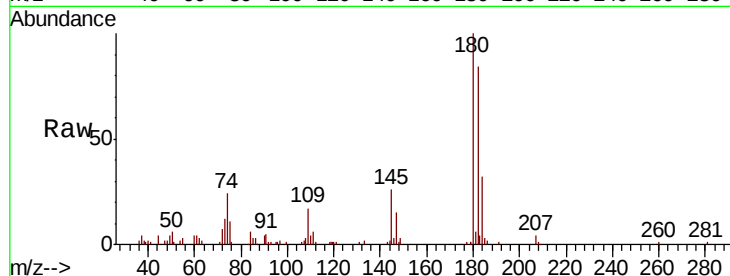




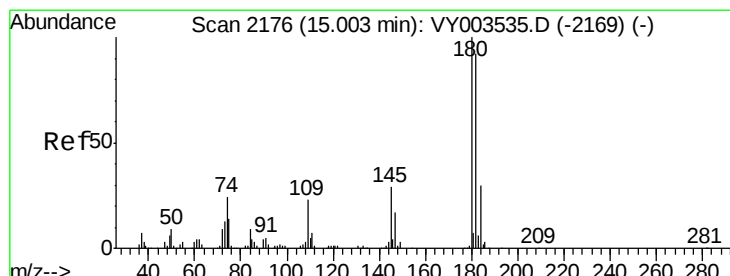
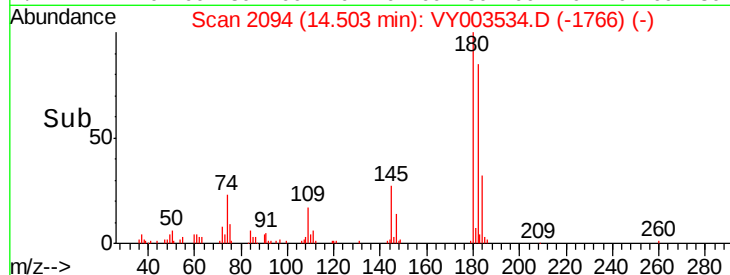
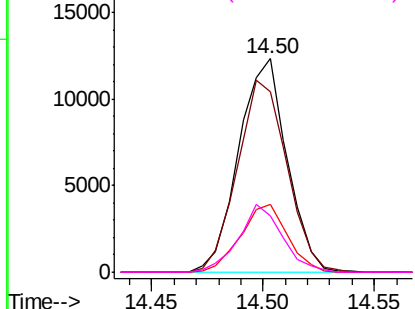
#67
 1,3,5-Trichlorobenzene
 Concen: 5.151 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VY003534.D
 Acq: 18 Nov 2020 17:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00582

Tot Ion:180	Resp:	18637
Ion Ratio	Lower	Upper
180	100	
182	92.2	76.2 114.2
184	31.2	24.1 36.1
145	28.5	22.3 33.5

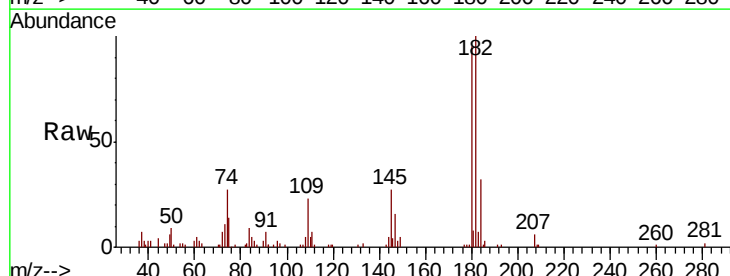


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

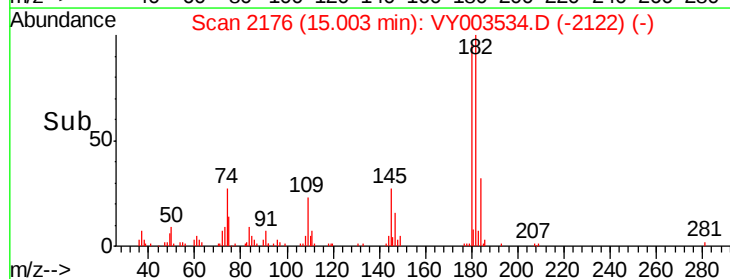
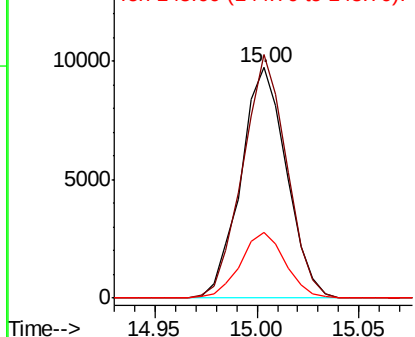


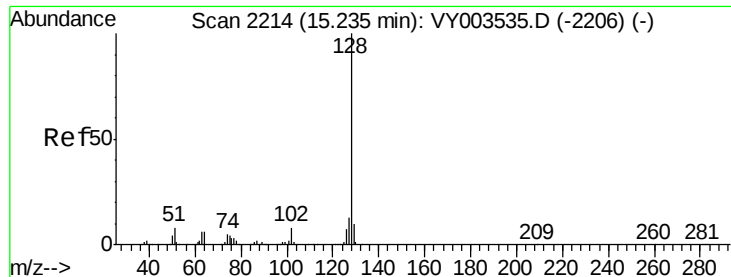
#68
 1,2,4-trichlorobenzene
 Concen: 4.865 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY003534.D
 Acq: 18 Nov 2020 17:46

Tgt Ion:180	Resp:	15250
Ion Ratio	Lower	Upper
180	100	
182	101.2	75.1 112.7
145	27.8	22.6 34.0



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





#69

Naphthalene

Concen: 4.460 ug/L

RT: 15.23 min Scan# 2213

Delta R.T. -0.01 min

Lab File: VY003534.D

Acq: 18 Nov 2020 17:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00582

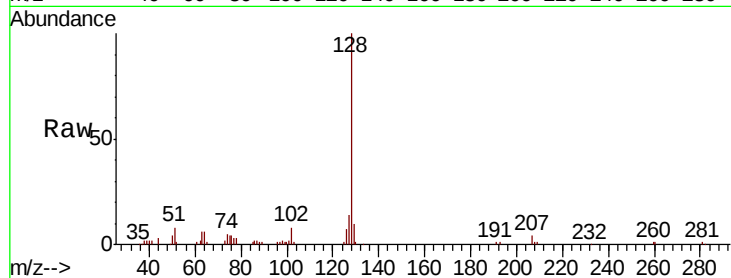
Tot Ion:128 Resp: 25399

Ion Ratio Lower Upper

128 100

129 10.4 8.4 12.6

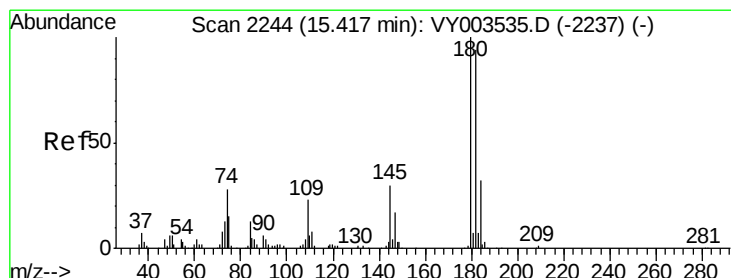
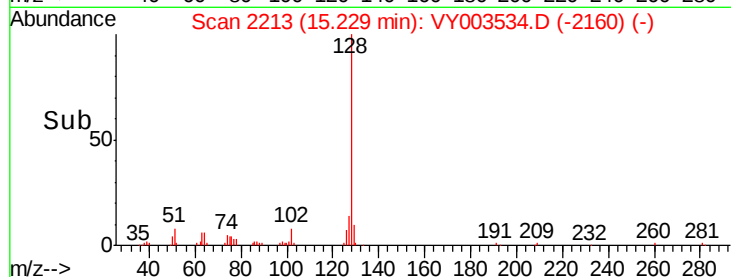
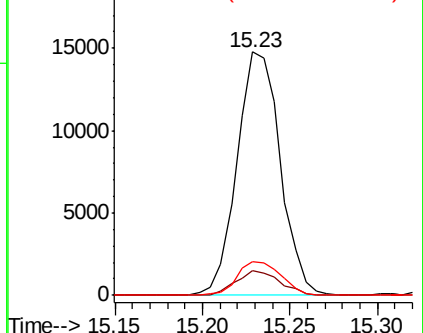
127 14.0 10.4 15.6



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: 4.858 ug/L

RT: 15.42 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VY003534.D

Acq: 18 Nov 2020 17:46

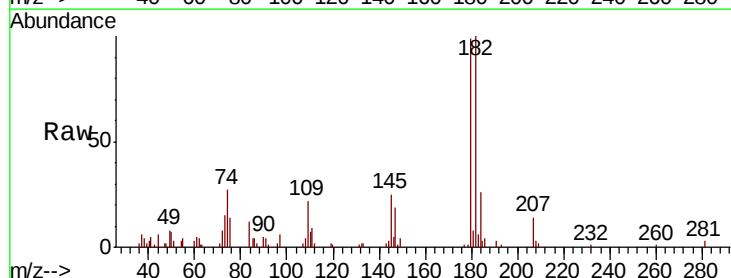
Tgt Ion:180 Resp: 11659

Ion Ratio Lower Upper

180 100

182 101.7 75.8 113.6

145 30.4 23.6 35.4



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

