

Data File : VY000646.D
Acq On : 12 Nov 2019 10:32
Operator : SY/MD
Sample : VSTD05081
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTD05081

Quant Time: Nov 13 01:29:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 01:25:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	385870	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	357433	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	177584	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	275854	50.62	ug/L	0.00
7) Chloroethane-d5	2.76	69	240850	49.74	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	489507	48.63	ug/L	0.00
20) 2-Butanone-d5	6.90	46	214120	95.23	ug/L	0.00
24) Chloroform-d	7.49	84	489628	48.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.16	65	277357	47.24	ug/L	0.00
29) Benzene-d6	8.12	84	997595	48.06	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.13	67	316022	48.58	ug/L	0.00
37) Toluene-d8	10.18	98	923353	47.62	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	151365	49.87	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	180731	102.79	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	312369	49.36	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	326425	45.96	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	235924	46.267	ug/L	99
3) Chloromethane	2.12	50	315236	49.316	ug/L	94
5) Vinyl chloride	2.25	62	319027	50.009	ug/L	95
6) Bromomethane	2.65	94	172021	49.380	ug/L	95
8) Chloroethane	2.80	64	199093	49.771	ug/L	96
9) Trichlorofluoromethane	3.13	101	438344	48.514	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	3.90	101	258021	50.344	ug/L	98
12) 1,1-Dichloroethene	3.88	96	242617	48.498	ug/L	91
13) Acetone	3.96	43	138643	83.226	ug/L	98
14) Carbon disulfide	4.20	76	796800	51.619	ug/L	99
15) Methyl Acetate	4.49	43	175110	46.462	ug/L	98
16) Methylene chloride	4.72	84	278755	43.762	ug/L	97
17) Methyl tert-butyl Ether	5.23	73	754502	49.570	ug/L	99
18) trans-1,2-Dichloroethene	5.23	96	278634	49.872	ug/L	97
19) 1,1-Dichloroethane	6.03	63	495108	50.354	ug/L	94
21) 2-Butanone	7.00	43	255463	88.142	ug/L	98
22) cis-1,2-Dichloroethene	7.00	96	305572	49.448	ug/L	99
23) Bromochloromethane	7.35	128	132725	49.186	ug/L	86
25) Chloroform	7.52	83	508491	47.983	ug/L	100
27) 1,2-Dichloroethane	8.25	62	345074	48.709	ug/L	98
30) Cyclohexane	7.79	56	486985	49.929	ug/L	100
31) 1,1,1-Trichloroethane	7.71	97	434081	49.296	ug/L	100
32) Carbon tetrachloride	7.91	117	390864	50.926	ug/L	100
34) Benzene	8.17	78	1156284	49.480	ug/L	100
35) Trichloroethene	8.94	95	297847	48.609	ug/L	98
36) Methylcyclohexane	9.19	83	521260	49.703	ug/L	100
40) 1,2-Dichloropropane	9.22	63	290706	49.088	ug/L	99
41) Bromodichloromethane	9.50	83	383402	50.316	ug/L	97
42) cis-1,3-Dichloropropene	9.93	75	490860	51.452	ug/L	100
43) 4-Methyl-2-pentanone	10.07	43	561160	99.077	ug/L	99

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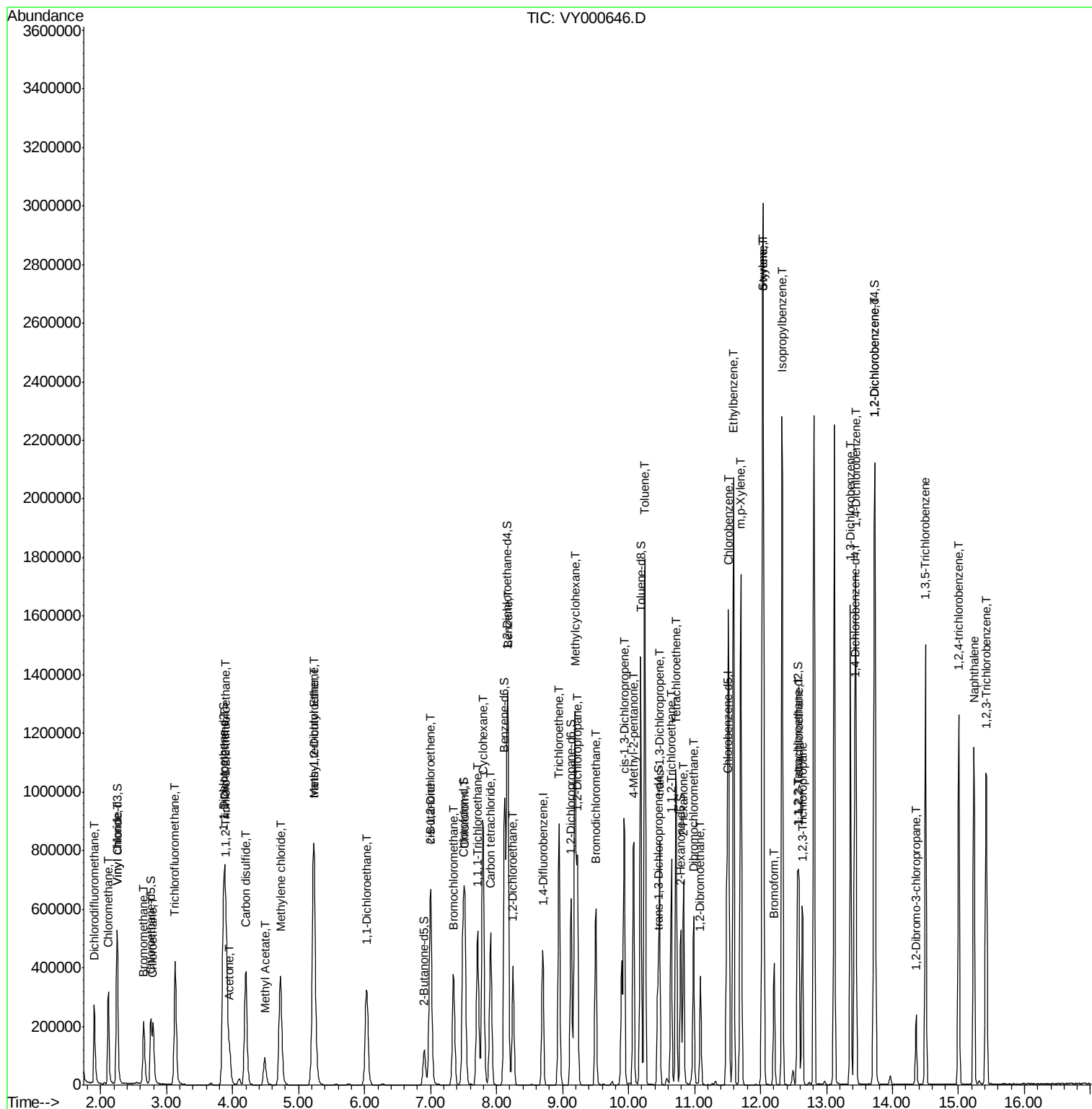
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.25	91	1260413	49.894	ug/L	98
45) trans-1,3-Dichloropropene	10.47	75	417138	50.895	ug/L	95
46) 1,1,2-Trichloroethane	10.64	97	232847	47.935	ug/L	97
47) Tetrachloroethene	10.72	164	223956	48.948	ug/L	99
49) 2-Hexanone	10.83	43	418991	94.979	ug/L	99
50) Dibromochloromethane	10.99	129	278427	50.731	ug/L	96
51) 1,2-Dibromoethane	11.09	107	230751	48.815	ug/L	97
52) Chlorobenzene	11.52	112	788178	49.164	ug/L	100
53) Ethylbenzene	11.59	91	1452159	50.811	ug/L	98
54) m,p-Xylene	11.70	106	554714	51.288	ug/L	95
55) o-xylene	12.03	106	533199	50.226	ug/L	98
56) Styrene	12.05	104	940106	53.299	ug/L	96
57) Isopropylbenzene	12.33	105	1427636	51.689	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.58	83	312441	51.552	ug/L	100
59) 1,2,3-Trichloropropane	12.63	75	240498	48.799	ug/L	99
62) Bromoform	12.20	173	172293	51.083	ug/L	98
63) 1,3-Dichlorobenzene	13.36	146	618388	48.822	ug/L	98
64) 1,4-Dichlorobenzene	13.44	146	603995	47.704	ug/L	98
65) 1,2-Dichlorobenzene	13.74	146	567550	48.381	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.36	75	55667	49.943	ug/L	93
67) 1,3,5-Trichlorobenzene	14.50	180	422046	47.792	ug/L	99
68) 1,2,4-trichlorobenzene	15.01	180	366841	46.483	ug/L	98
69) Naphthalene	15.23	128	907702	46.152	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	335681	45.743	ug/L	99

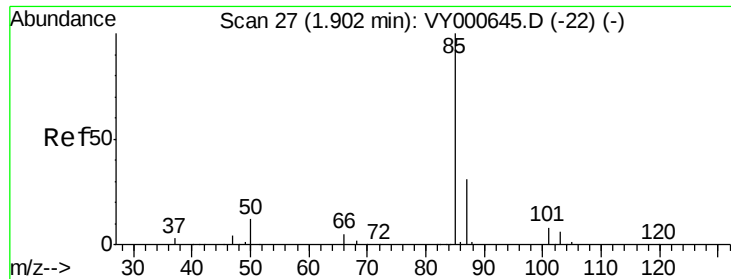
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 46.267 ug/L

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000646.D

Acq: 12 Nov 2019 10:32

Instrument :

MSVOA_Y

ClientSampleId :

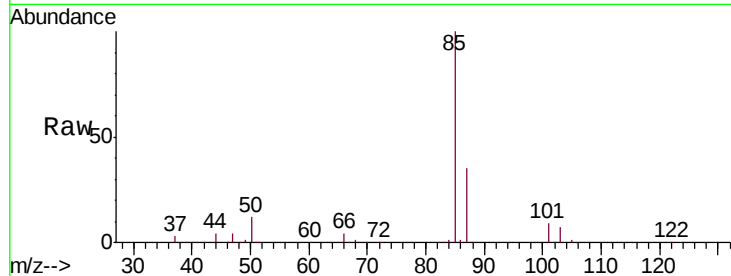
VSTD05081

Tgt Ion: 85 Resp: 235924

Ion Ratio Lower Upper

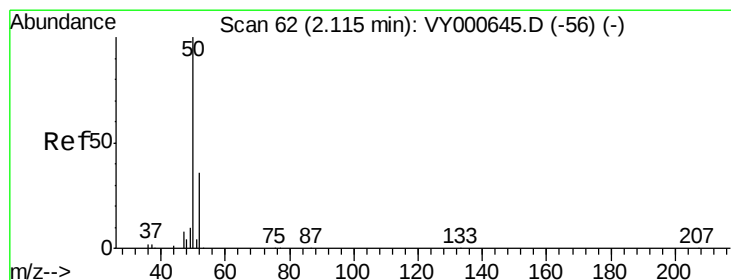
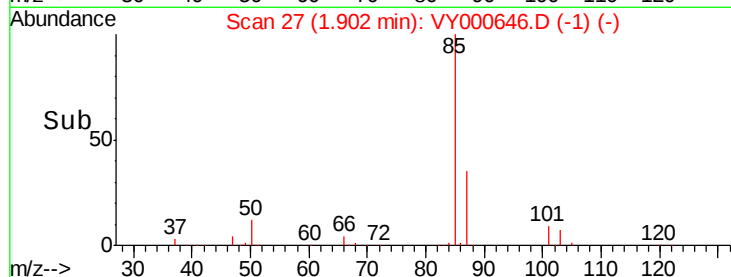
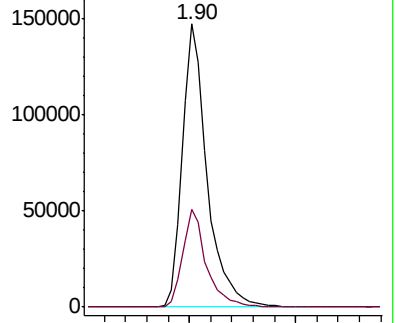
85 100

87 33.0 22.7 42.1



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 49.316 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000646.D

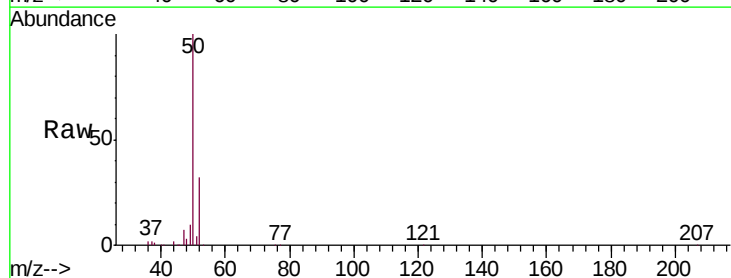
Acq: 12 Nov 2019 10:32

Tgt Ion: 50 Resp: 315236

Ion Ratio Lower Upper

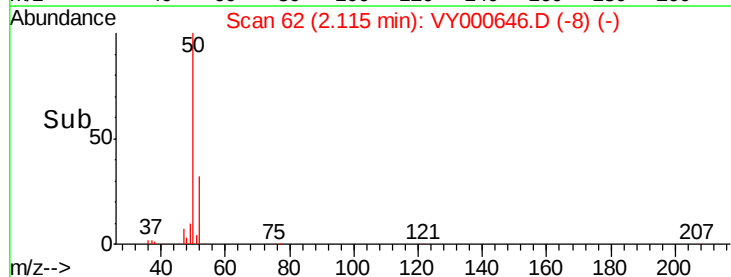
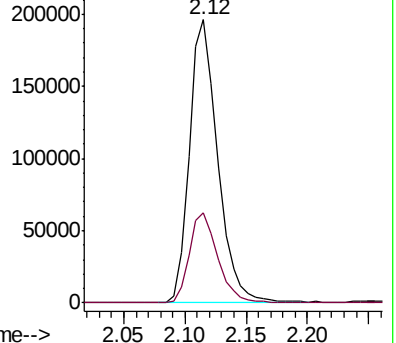
50 100

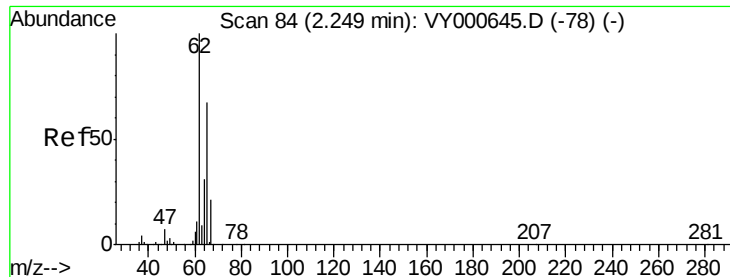
52 32.0 24.9 46.3



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 50.009 ug/L

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000646.D

Acq: 12 Nov 2019 10:32

Instrument :

MSVOA_Y

ClientSampleId :

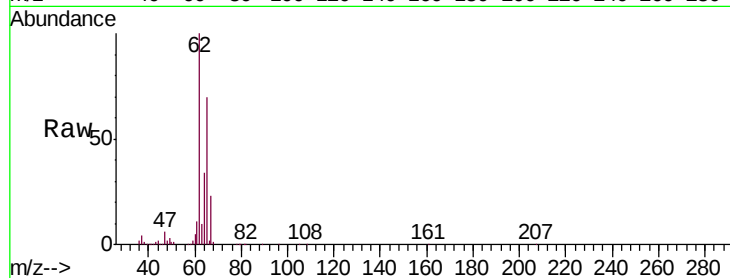
VSTD05081

Tgt Ion: 62 Resp: 319027

Ion Ratio Lower Upper

62 100

64 34.1 22.0 40.8



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0

2.25

200000

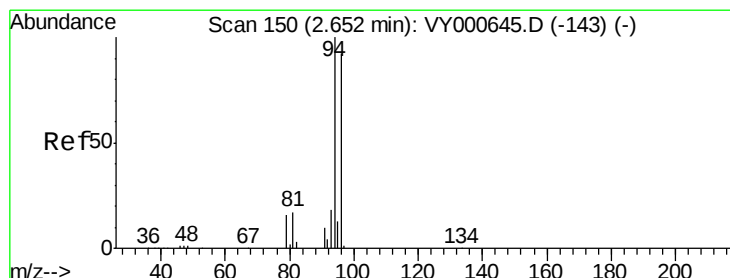
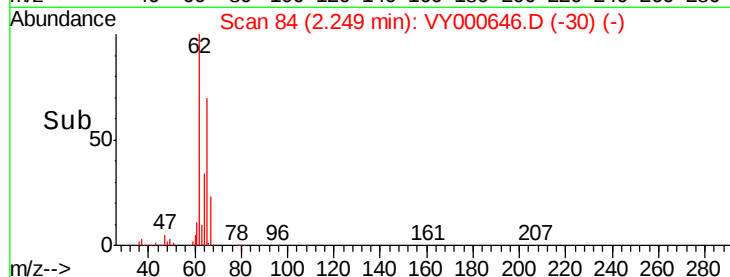
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 49.380 ug/L

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY000646.D

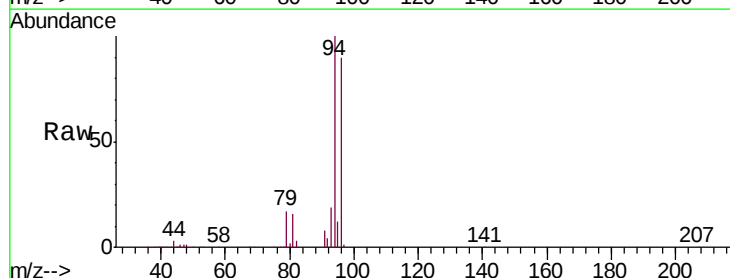
Acq: 12 Nov 2019 10:32

Tgt Ion: 94 Resp: 172021

Ion Ratio Lower Upper

94 100

96 93.0 9.8 185.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

2.65

80000

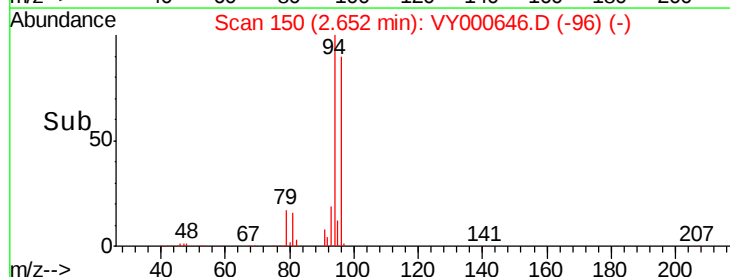
60000

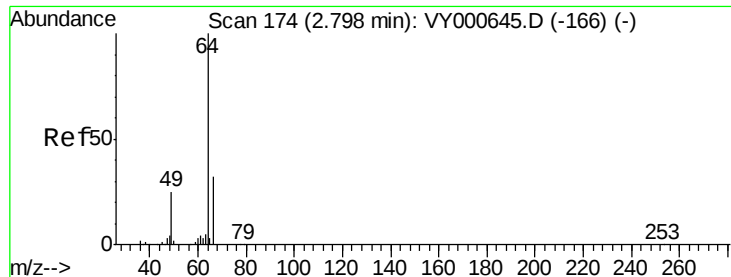
40000

20000

0

Time-->





#8

Chloroethane

Concen: 49.771 ug/L

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY000646.D

Acq: 12 Nov 2019 10:32

Instrument :

MSVOA_Y

ClientSampleId :

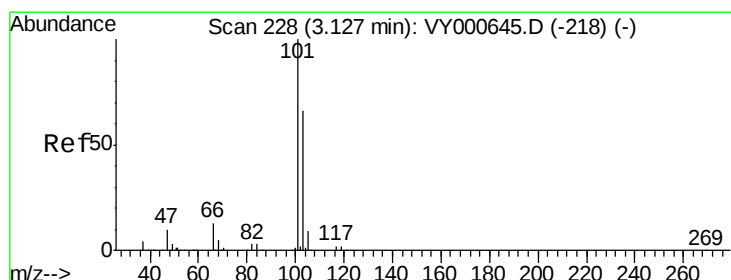
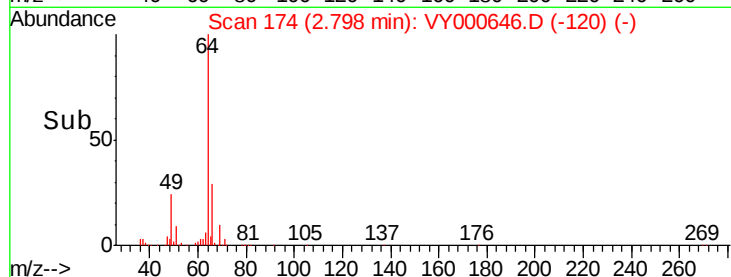
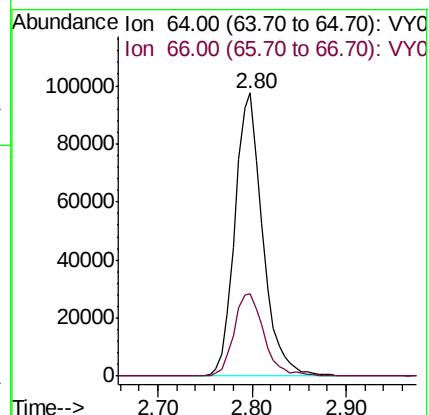
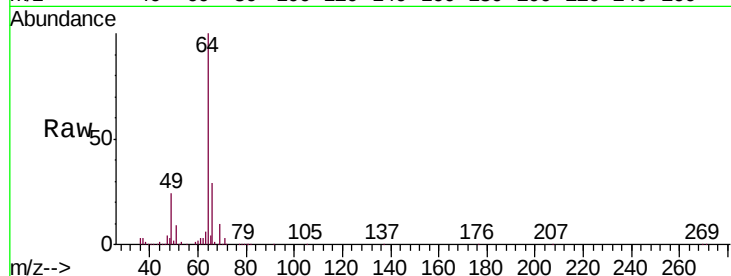
VSTD05081

Tgt Ion: 64 Resp: 199093

Ion Ratio Lower Upper

64 100

66 29.3 22.2 41.2



#9

Trichlorofluoromethane

Concen: 48.514 ug/L

RT: 3.13 min Scan# 228

Delta R.T. 0.00 min

Lab File: VY000646.D

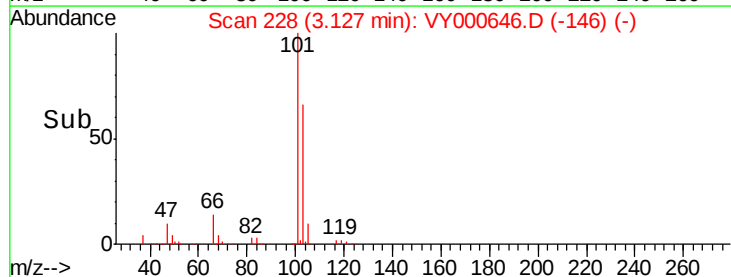
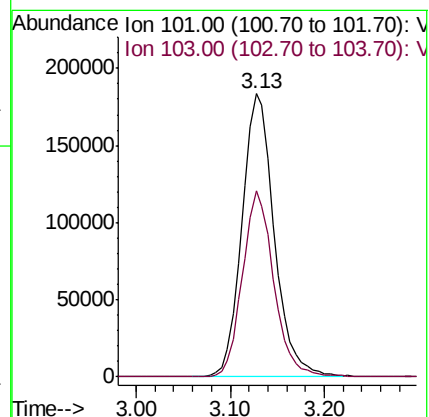
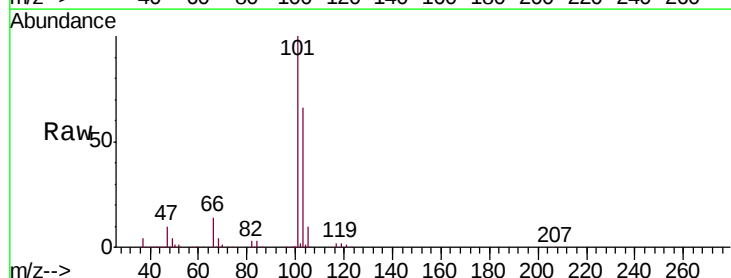
Acq: 12 Nov 2019 10:32

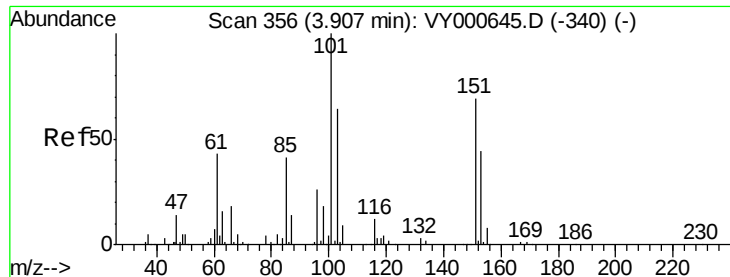
Tgt Ion: 101 Resp: 438344

Ion Ratio Lower Upper

101 100

103 63.9 45.8 85.0





#11

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

Concen: 50.344 ug/L

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY000646.D

Acq: 12 Nov 2019 10:32

Instrument :

MSVOA_Y

ClientSampled :

VSTD05081

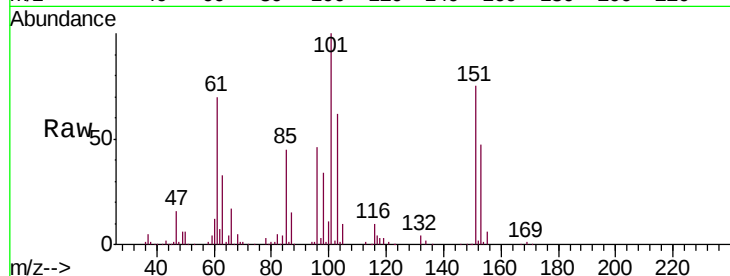
Tgt Ion: 101 Resp: 258021

Ion Ratio Lower Upper

101 100

85 45.5 35.3 52.9

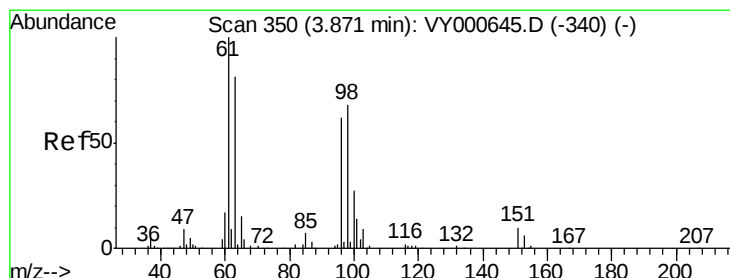
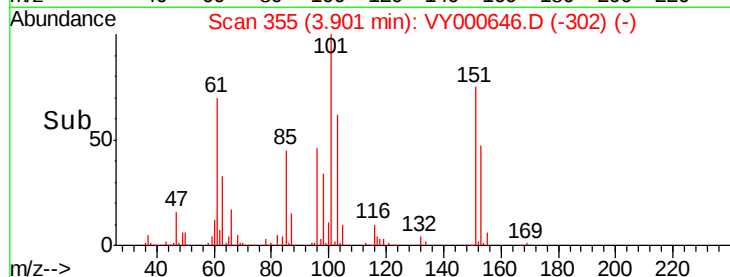
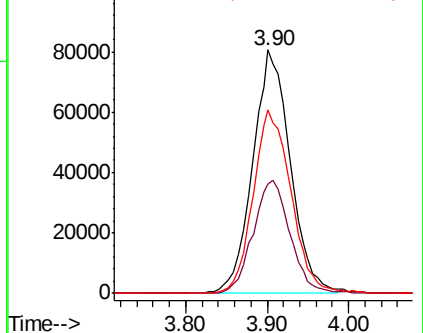
151 75.7 61.9 92.9



Abundance Ion 101.00 (100.70 to 101.70): VY000645.D (-340) (-)

Ion 85.00 (84.70 to 85.70): VY000645.D (-340) (-)

Ion 151.00 (150.70 to 151.70): VY000645.D (-340) (-)



#12

1,1-Dichloroethene

Concen: 48.498 ug/L

RT: 3.88 min Scan# 351

Delta R.T. 0.01 min

Lab File: VY000646.D

Acq: 12 Nov 2019 10:32

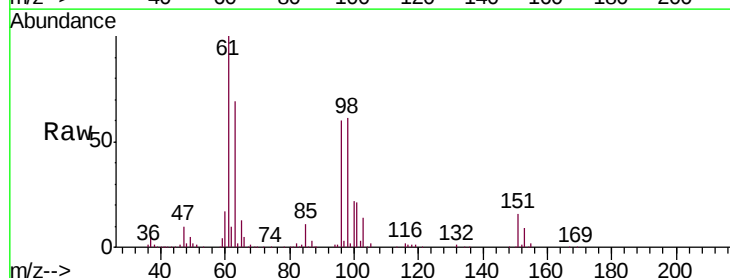
Tgt Ion: 96 Resp: 242617

Ion Ratio Lower Upper

96 100

61 165.9 113.5 210.9

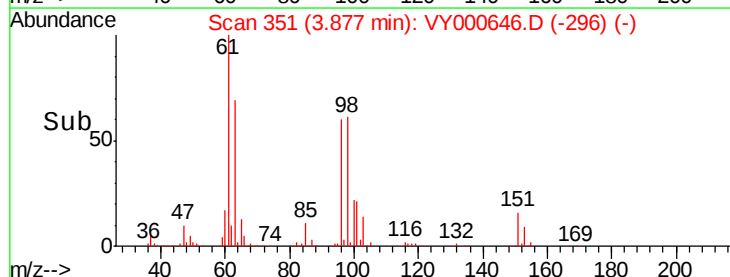
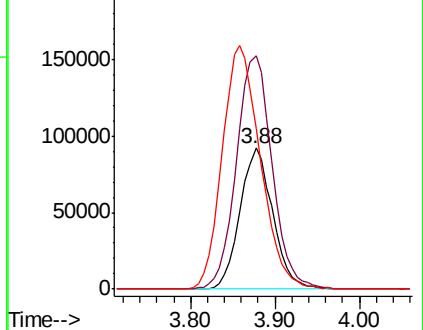
63 114.1 94.3 175.1

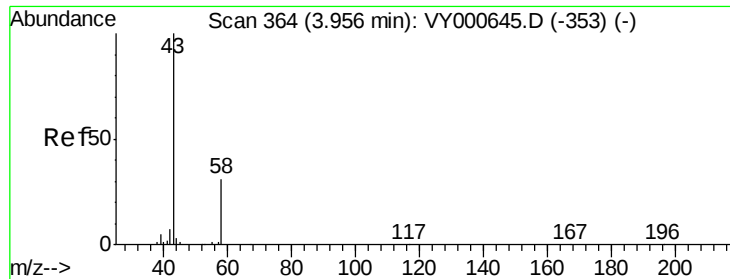


Abundance Ion 96.00 (95.70 to 96.70): VY000646.D (-296) (-)

Ion 61.00 (60.70 to 61.70): VY000646.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VY000646.D (-296) (-)





#13

Acetone

Concen: 83.226 ug/L

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY000646.D

Acq: 12 Nov 2019 10:32

Instrument :

MSVOA_Y

ClientSampled :

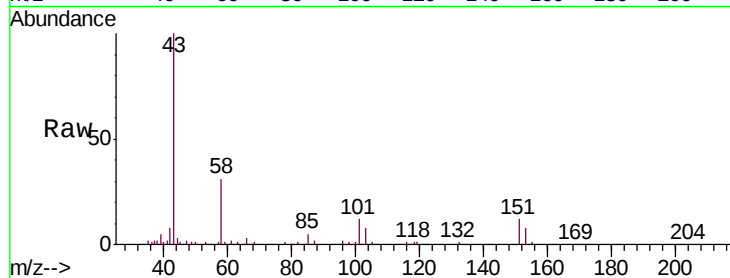
VSTD05081

Tgt Ion: 43 Resp: 138643

Ion Ratio Lower Upper

43 100

58 31.2 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

60000

50000

40000

30000

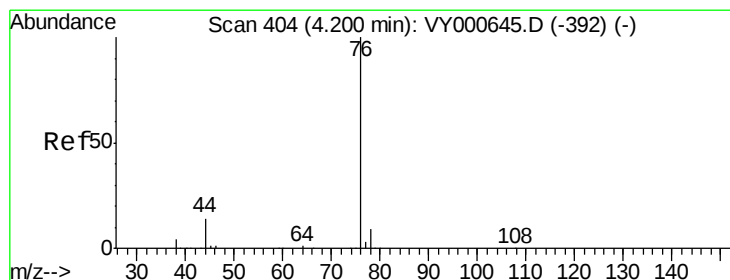
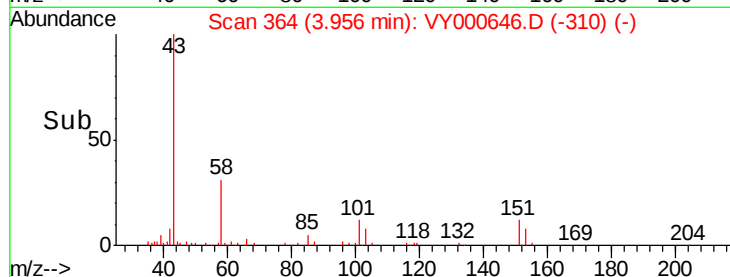
20000

10000

0

3.96

Time--> 3.80 3.90 4.00 4.10



#14

Carbon disulfide

Concen: 51.619 ug/L

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY000646.D

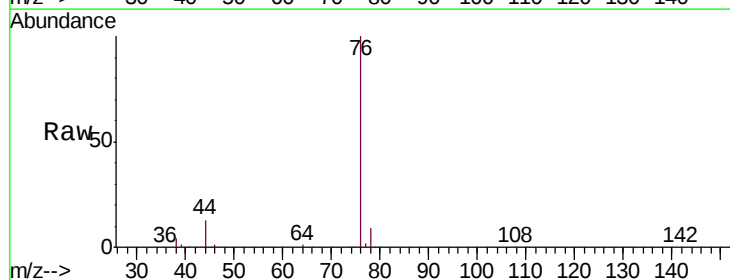
Acq: 12 Nov 2019 10:32

Tgt Ion: 76 Resp: 796800

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

300000

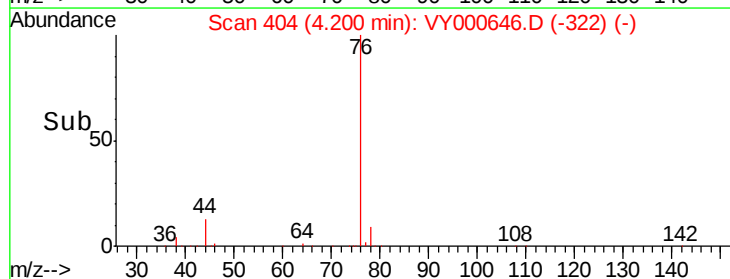
200000

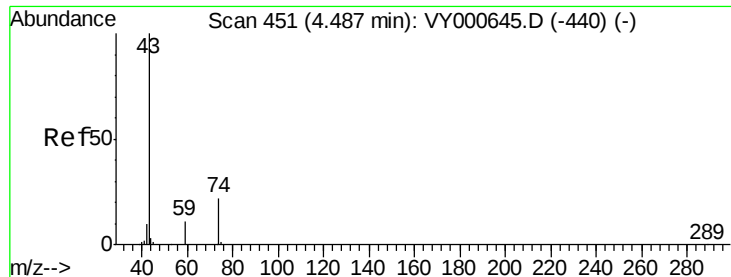
100000

0

4.20

Time--> 4.10 4.20 4.30

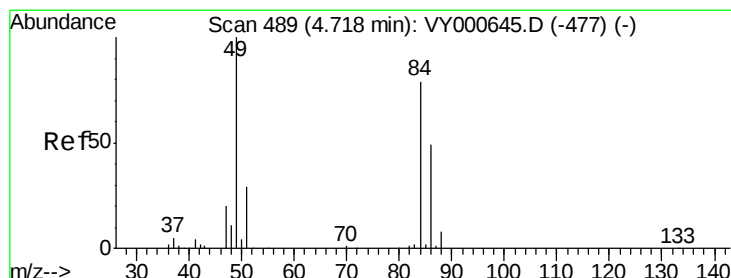
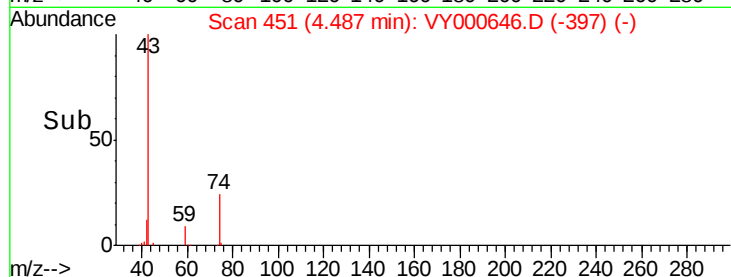
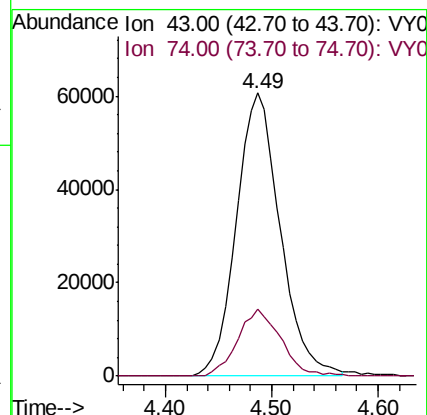
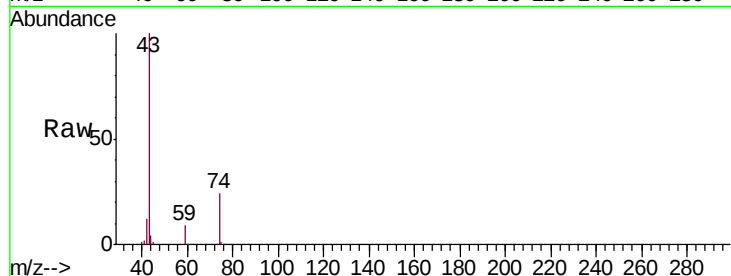




#15
Methyl Acetate
Concen: 46.462 ug/L
RT: 4.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: VY000646.D
Acq: 12 Nov 2019 10:32

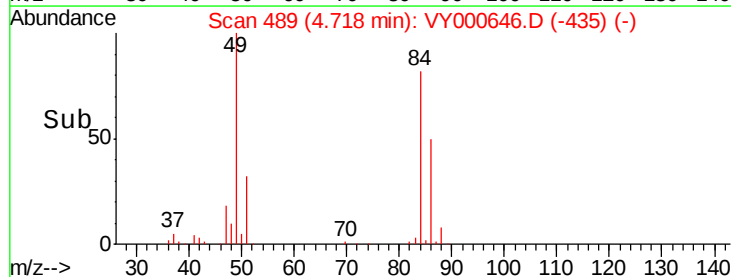
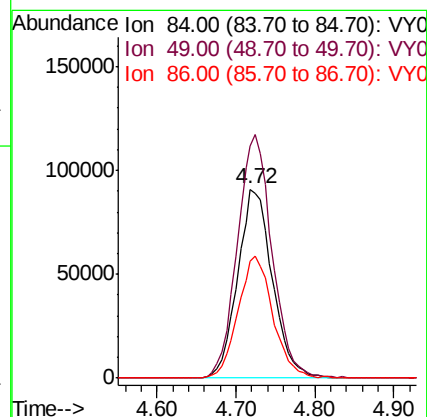
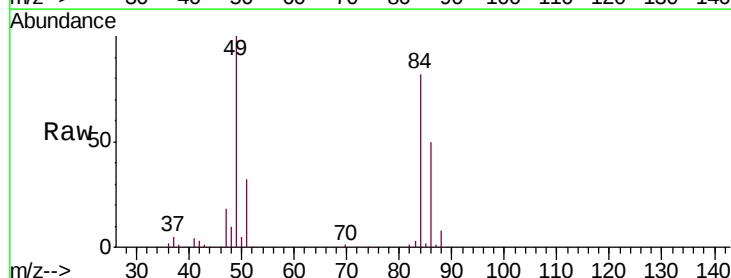
Instrument :
MSVOA_Y
ClientSampleId :
VSTD05081

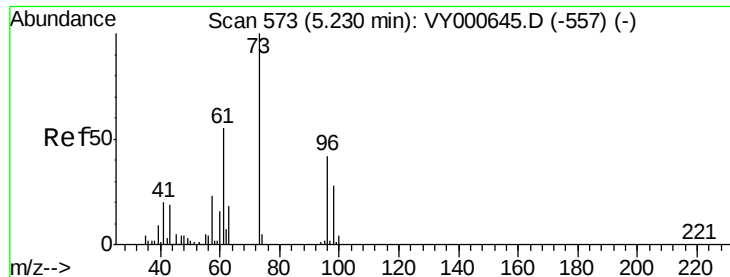
Tgt Ion: 43 Resp: 175110
Ion Ratio Lower Upper
43 100
74 23.4 18.1 27.1



#16
Methylene chloride
Concen: 43.762 ug/L
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY000646.D
Acq: 12 Nov 2019 10:32

Tgt Ion: 84 Resp: 278755
Ion Ratio Lower Upper
84 100
49 122.5 88.8 165.0
86 61.7 43.9 81.5

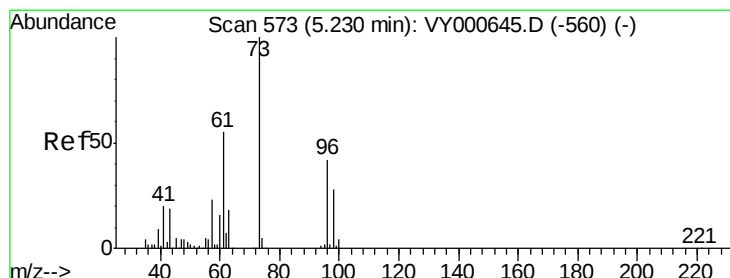
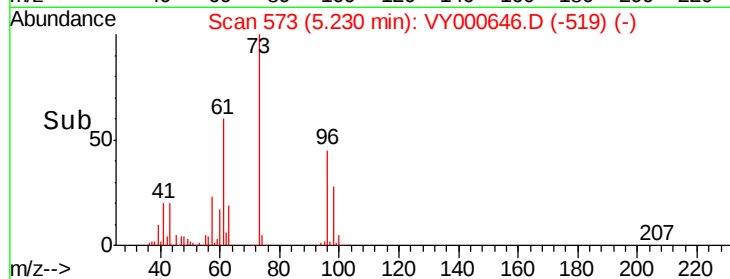
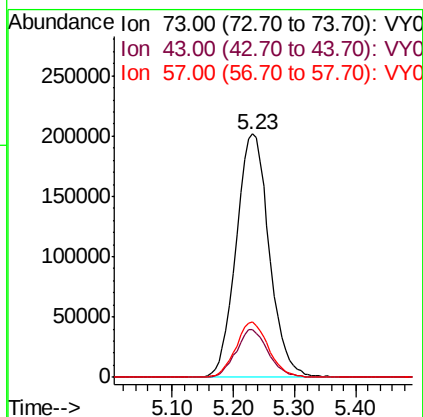
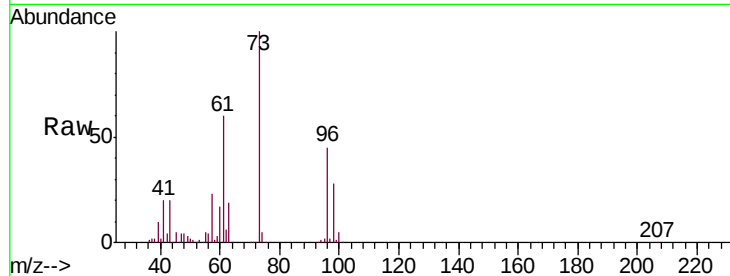




#17
Methyl tert-butyl Ether
Concen: 49.570 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY000646.D
Acq: 12 Nov 2019 10:32

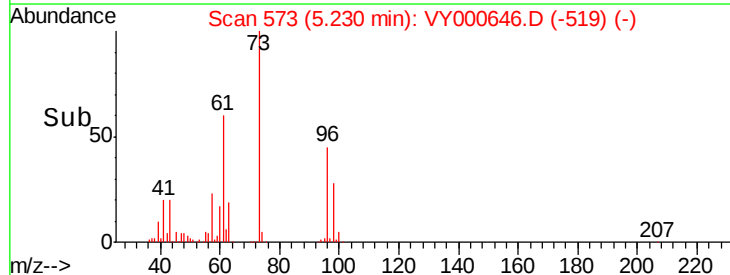
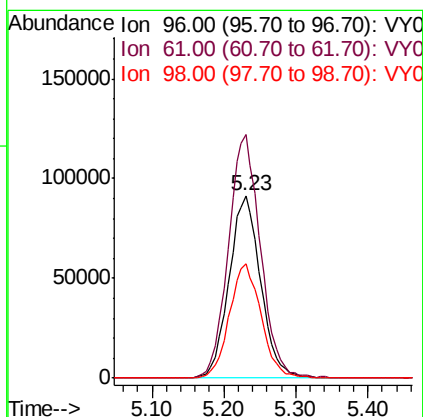
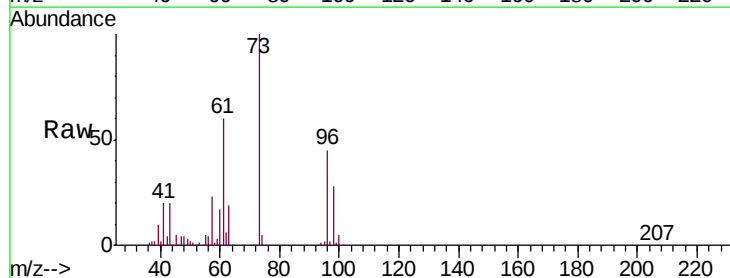
Instrument :
MSVOA_Y
ClientSampled :
VSTD05081

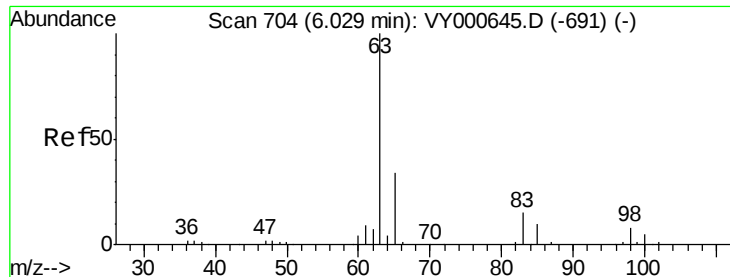
Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.2	15.4	23.0
57	22.6	17.5	26.3



#18
trans-1,2-Dichloroethene
Concen: 49.872 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY000646.D
Acq: 12 Nov 2019 10:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.3	91.8	170.4
98	62.7	46.3	85.9





#19

1,1-Dichloroethane

Concen: 50.354 ug/L

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY000646.D

Acq: 12 Nov 2019 10:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05081

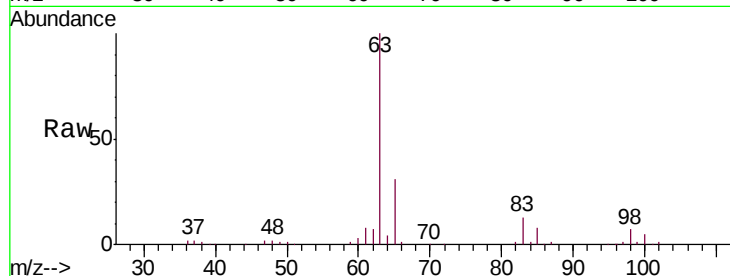
Tgt Ion: 63 Resp: 495108

Ion Ratio Lower Upper

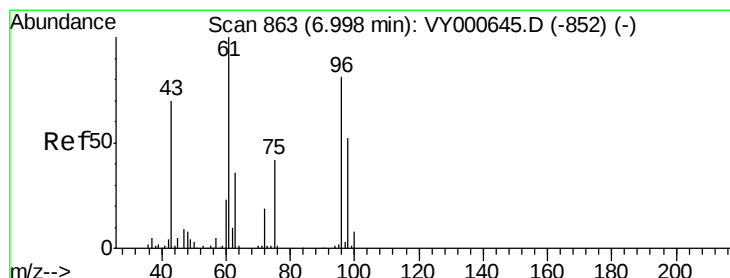
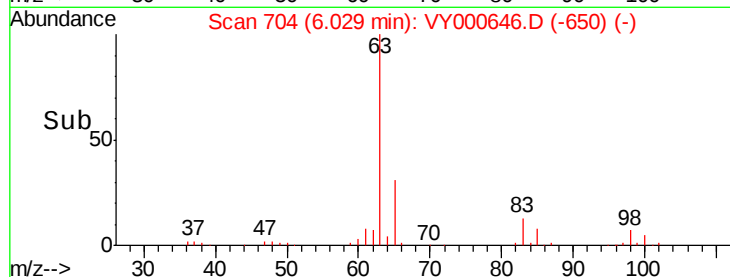
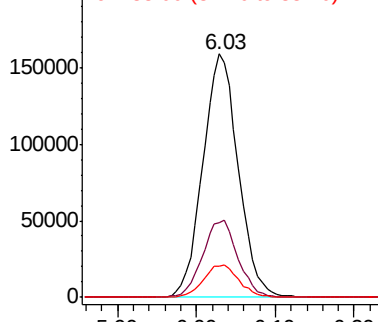
63 100

65 30.6 23.9 44.5

83 12.9 10.1 18.9



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: 88.142 ug/L

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY000646.D

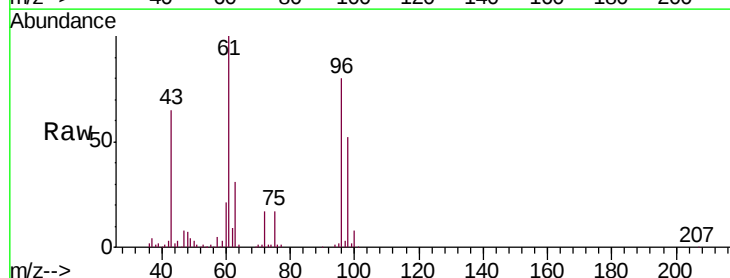
Acq: 12 Nov 2019 10:32

Tgt Ion: 43 Resp: 255463

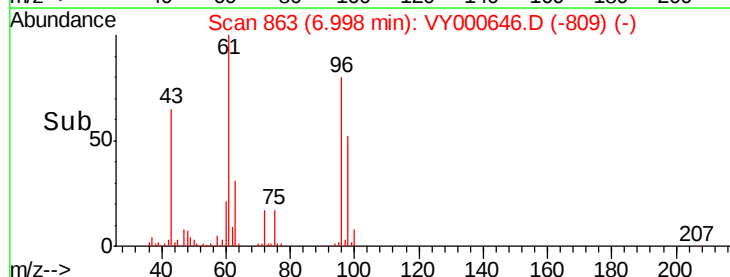
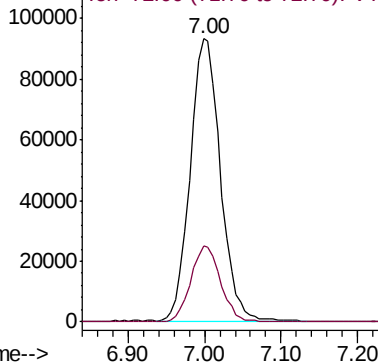
Ion Ratio Lower Upper

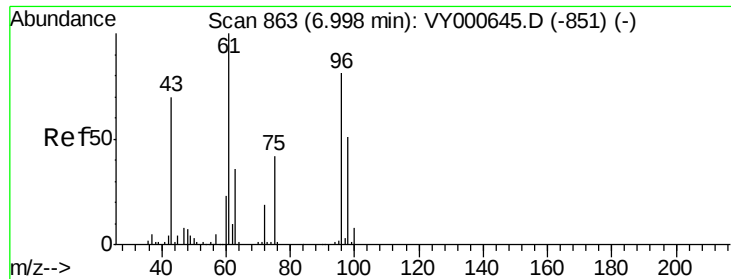
43 100

72 26.4 12.6 37.8



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



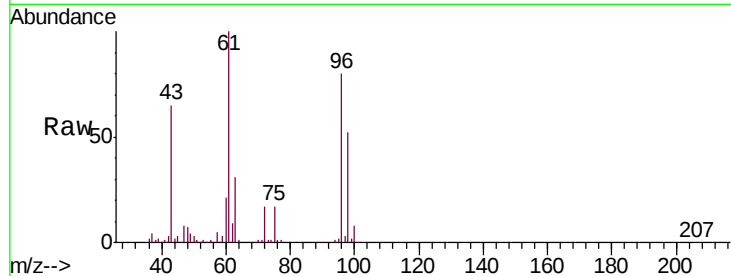


#22

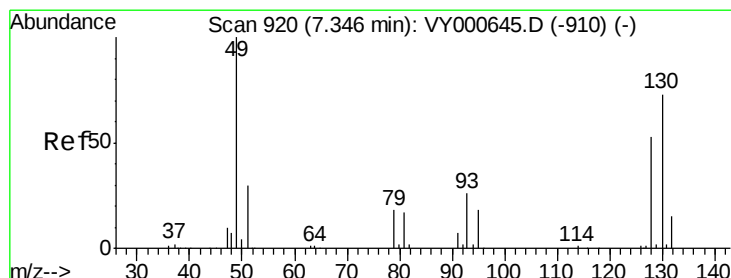
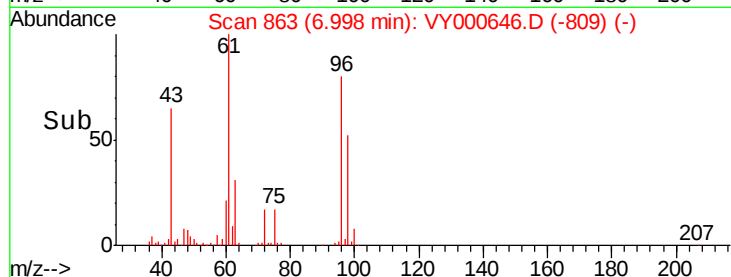
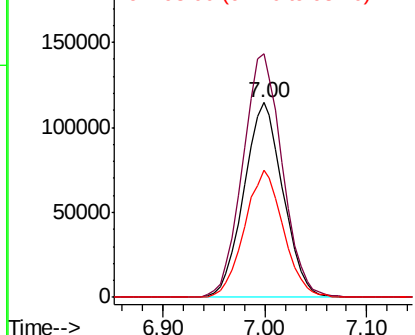
cis-1,2-Dichloroethene
Concen: 49.448 ug/L
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY000646.D
Acq: 12 Nov 2019 10:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTD05081

Tgt Ion: 96 Resp: 305572
Ion Ratio Lower Upper
96 100
61 125.1 86.8 161.2
98 65.0 44.6 82.8



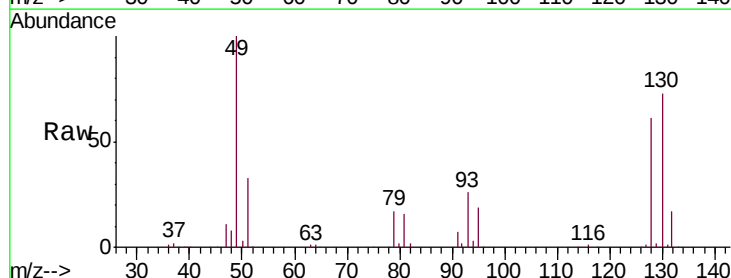
Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 98.00 (97.70 to 98.70): VY0



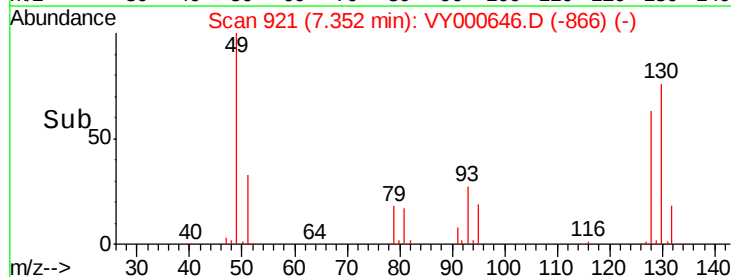
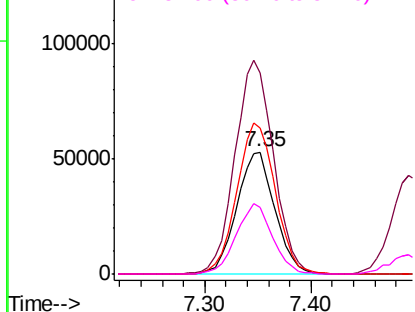
#23

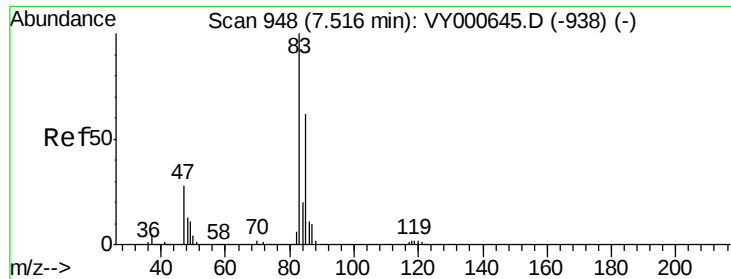
Bromochloromethane
Concen: 49.186 ug/L
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY000646.D
Acq: 12 Nov 2019 10:32

Tgt Ion: 128 Resp: 132725
Ion Ratio Lower Upper
128 100
49 164.7 131.5 244.3
130 120.3 96.7 179.5
51 54.3 45.3 67.9



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

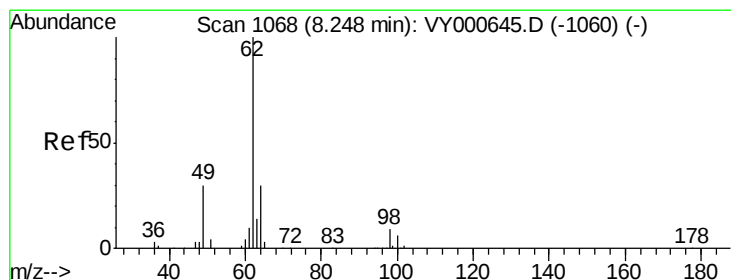
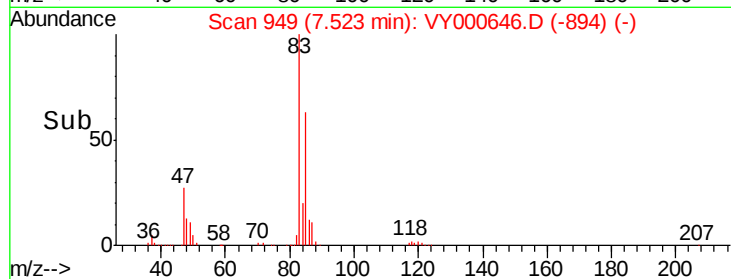
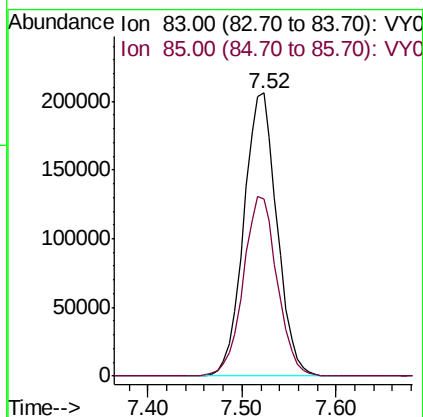
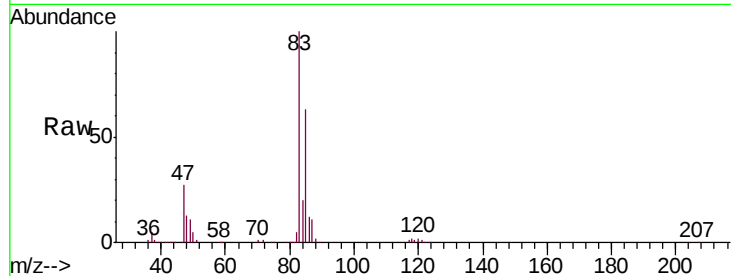




#25
Chloroform
Concen: 47.983 ug/L
RT: 7.52 min Scan# 949
Delta R.T. 0.01 min
Lab File: VY000646.D
Acq: 12 Nov 2019 10:32

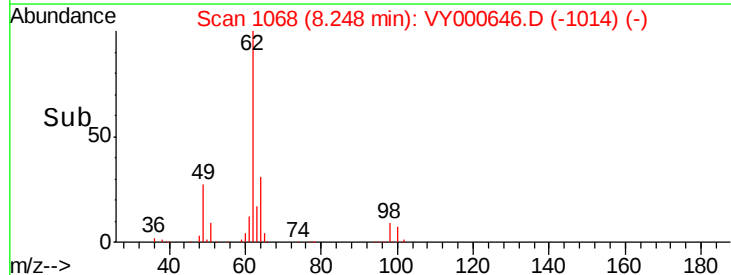
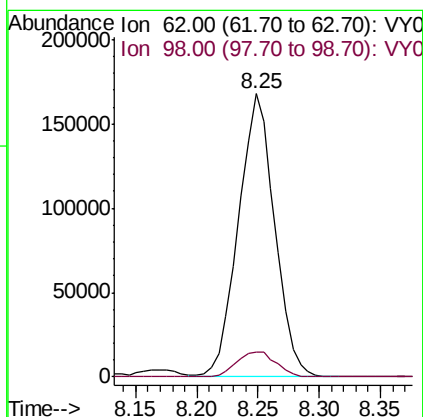
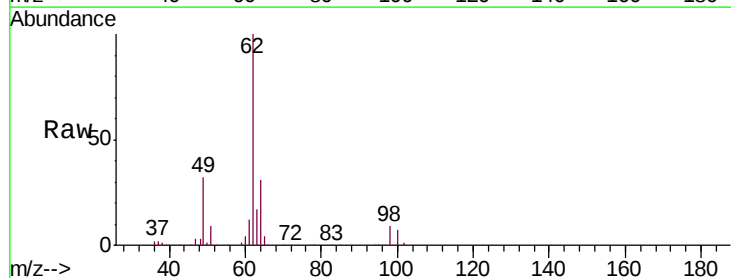
Instrument :
MSVOA_Y
ClientSampleId :
VSTD05081

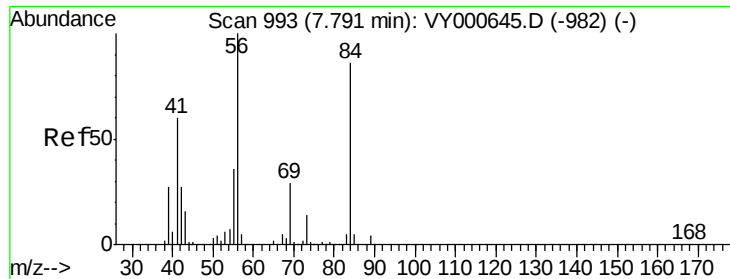
Tgt Ion: 83 Resp: 508491
Ion Ratio Lower Upper
83 100
85 65.0 45.6 84.6



#27
1,2-Dichloroethane
Concen: 48.709 ug/L
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY000646.D
Acq: 12 Nov 2019 10:32

Tgt Ion: 62 Resp: 345074
Ion Ratio Lower Upper
62 100
98 8.6 7.5 11.3

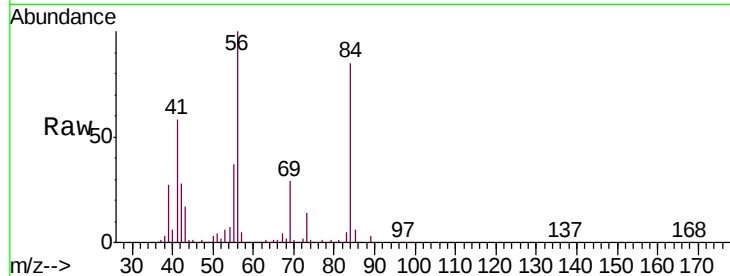




#30
Cyclohexane
Concen: 49.929 ug/L
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY000646.D
Acq: 12 Nov 2019 10:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTD05081

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.1	24.1	36.1
84	87.6	70.2	105.4

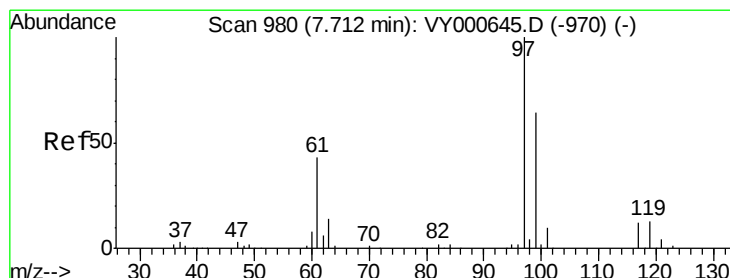
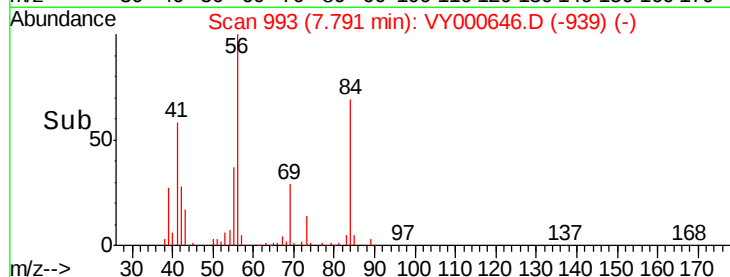
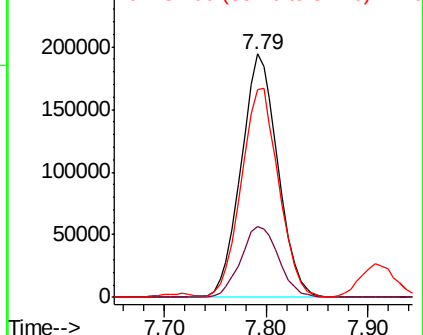


Abundance

Ion 56.00 (55.70 to 56.70): VY0

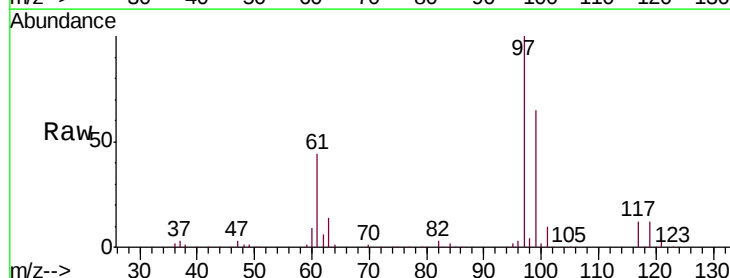
Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#31
1,1,1-Trichloroethane
Concen: 49.296 ug/L
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY000646.D
Acq: 12 Nov 2019 10:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.0
61	43.6	34.7	52.1

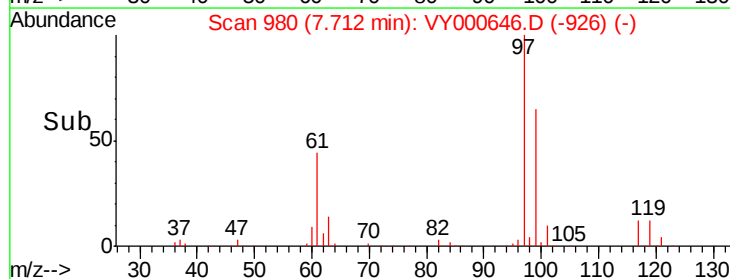
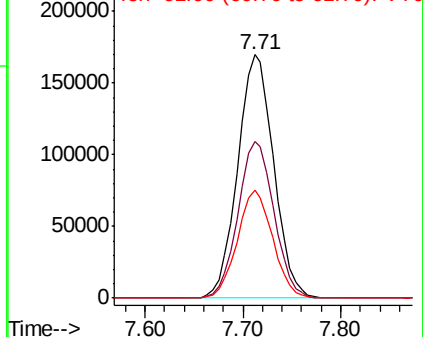


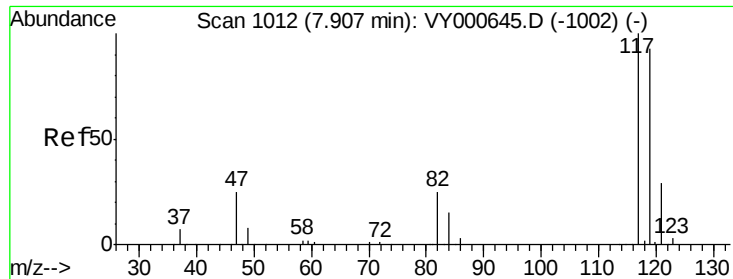
Abundance

Ion 97.00 (96.70 to 97.70): VY0

Ion 99.00 (98.70 to 99.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#32

Carbon tetrachloride

Concen: 50.926 ug/L

RT: 7.91 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VY000646.D

Acq: 12 Nov 2019 10:32

Instrument :

MSVOA_Y

ClientSampleId :

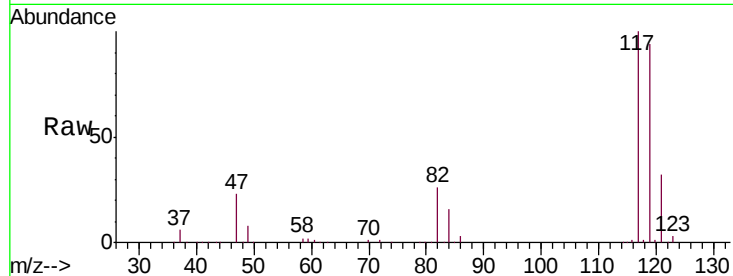
VSTD05081

Tgt Ion:117 Resp: 390864

Ion Ratio Lower Upper

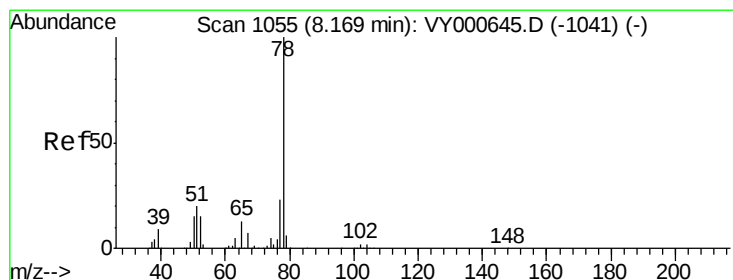
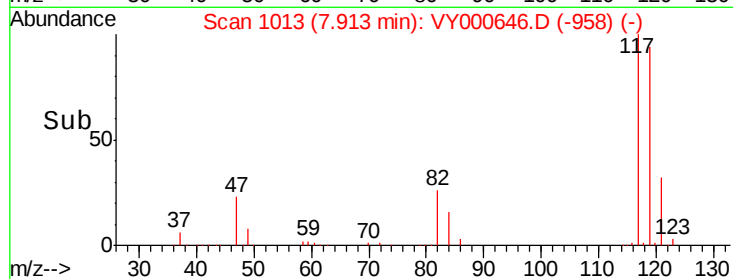
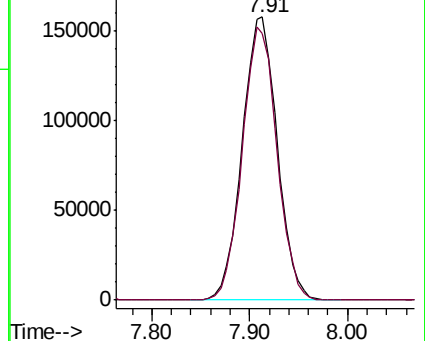
117 100

119 95.5 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 49.480 ug/L

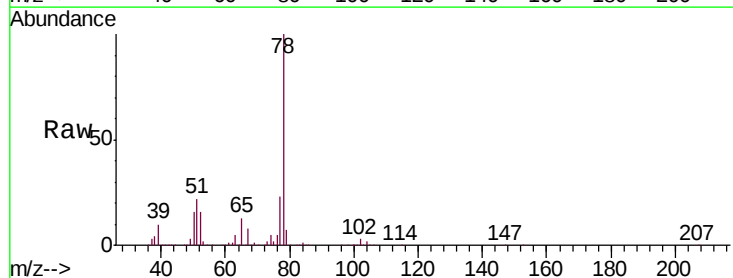
RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

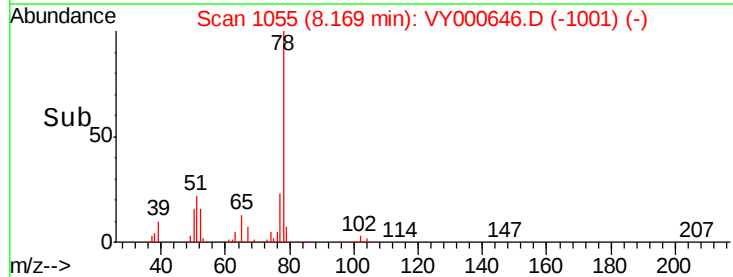
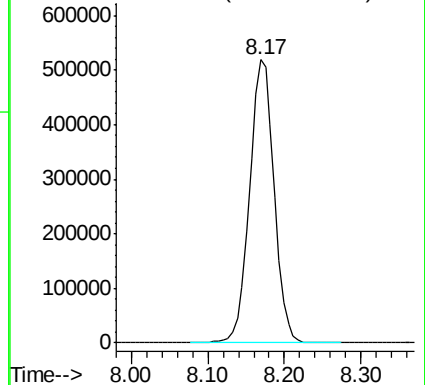
Lab File: VY000646.D

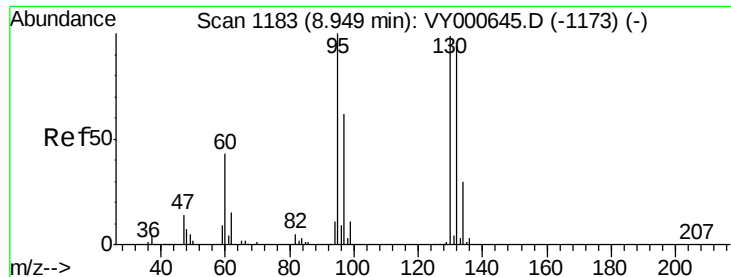
Acq: 12 Nov 2019 10:32

Tgt Ion: 78 Resp: 1156284



Abundance Ion 78.00 (77.70 to 78.70): VY0

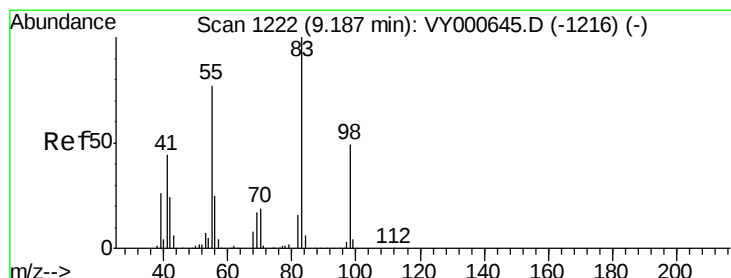
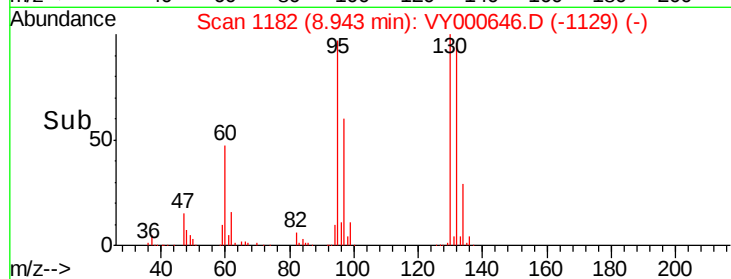
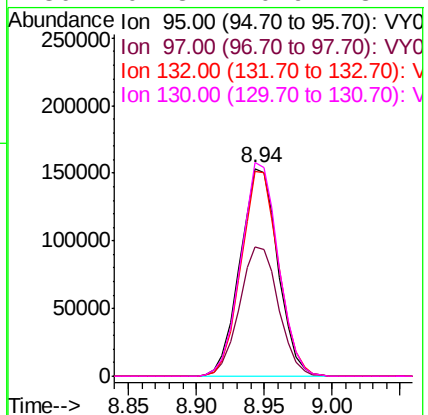
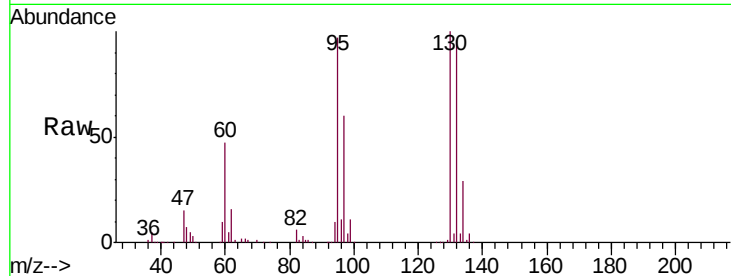




#35
 Trichloroethene
 Concen: 48.609 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: VY000646.D
 Acq: 12 Nov 2019 10:32

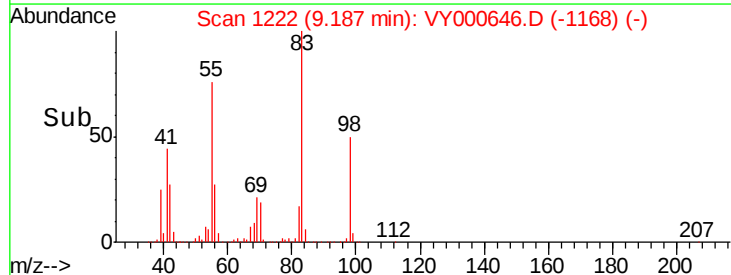
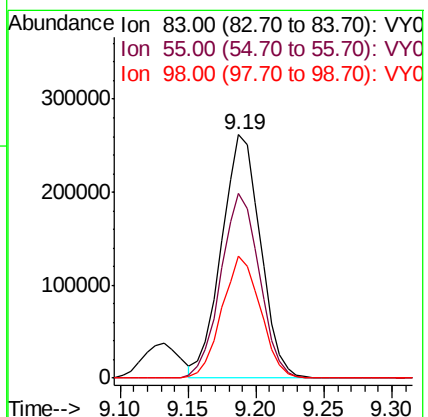
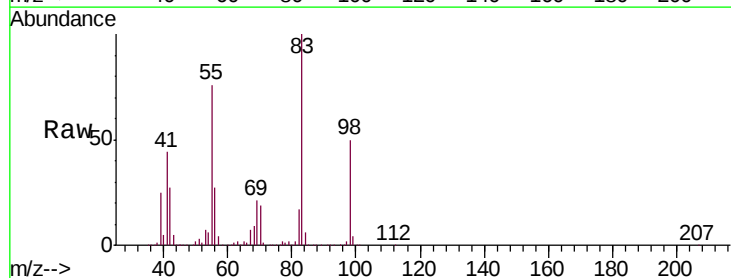
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05081

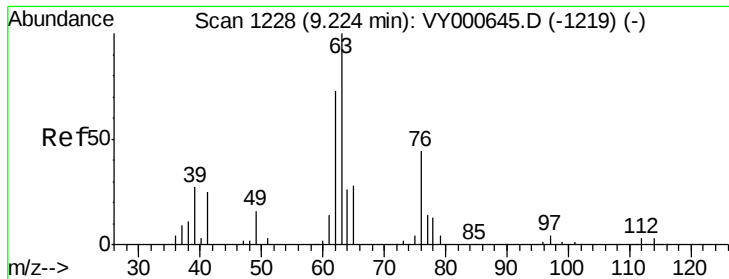
Tgt Ion:	95	Resp:	297847
Ion	Ratio	Lower	Upper
95	100		
97	64.4	44.4	82.4
132	98.3	66.8	124.0
130	102.3	70.9	131.7



#36
 Methylcyclohexane
 Concen: 49.703 ug/L
 RT: 9.19 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: VY000646.D
 Acq: 12 Nov 2019 10:32

Tgt Ion:	83	Resp:	521260
Ion	Ratio	Lower	Upper
83	100		
55	75.2	60.0	90.0
98	49.9	40.2	60.2

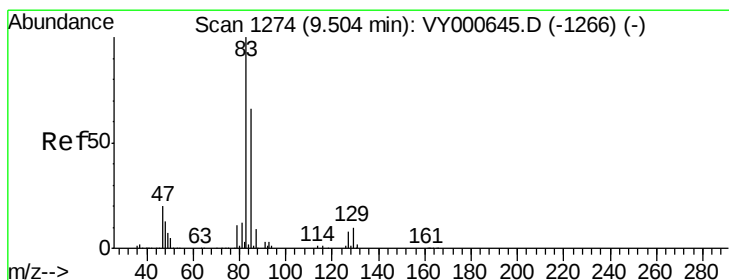
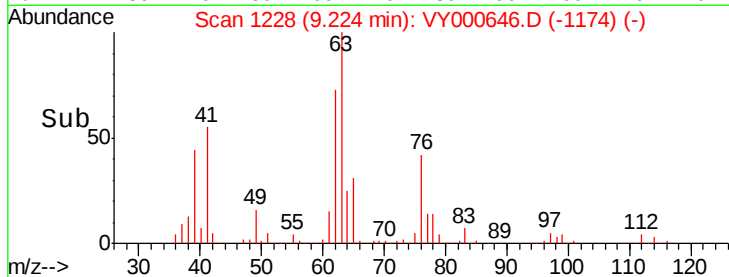
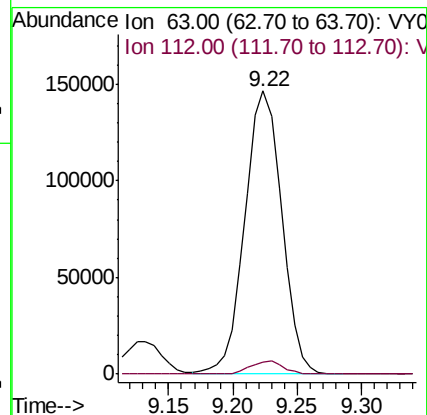
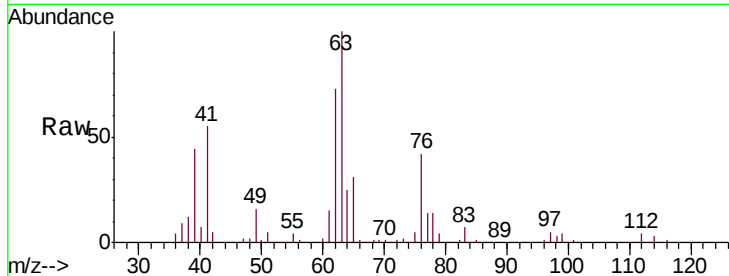




#40
 1,2-Dichloropropane
 Concen: 49.088 ug/L
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY000646.D
 Acq: 12 Nov 2019 10:32

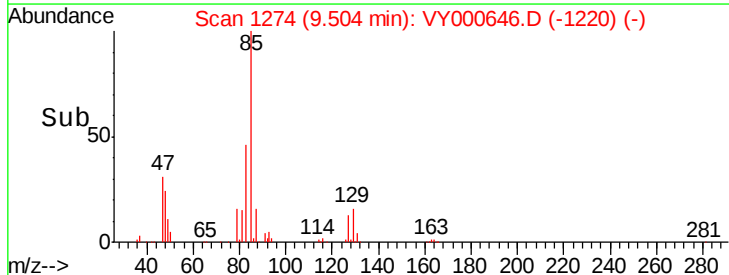
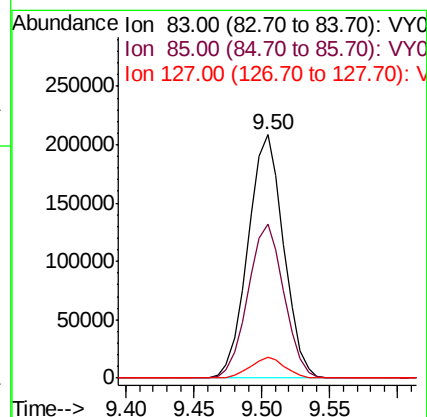
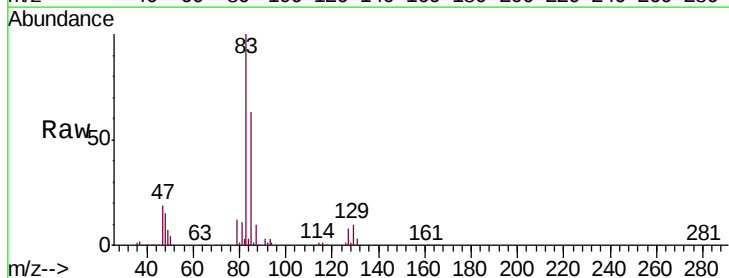
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05081

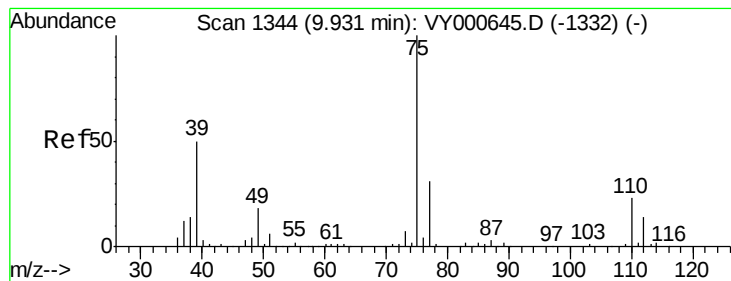
Tgt Ion: 63 Resp: 290706
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.2 4.8



#41
 Bromodichloromethane
 Concen: 50.316 ug/L
 RT: 9.50 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VY000646.D
 Acq: 12 Nov 2019 10:32

Tgt Ion: 83 Resp: 383402
 Ion Ratio Lower Upper
 83 100
 85 63.2 46.1 85.5
 127 8.5 6.5 9.7



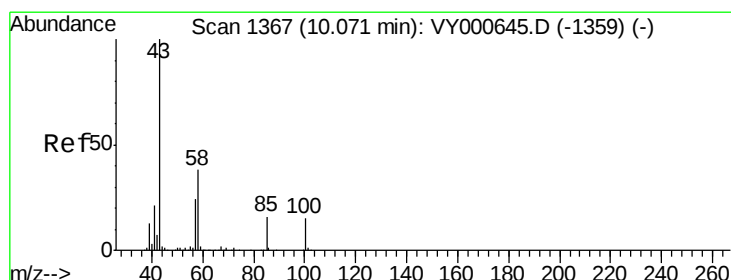
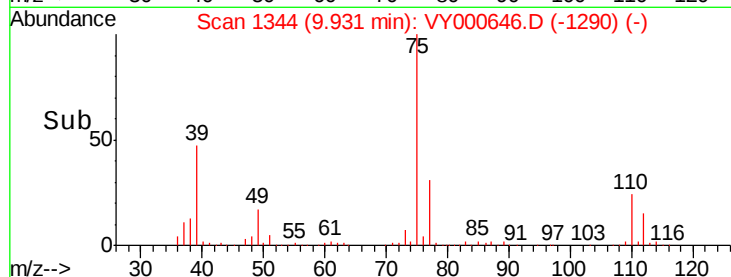
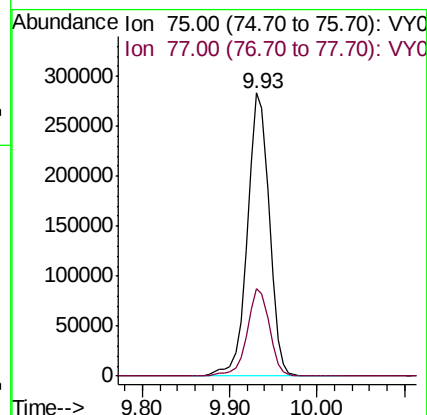
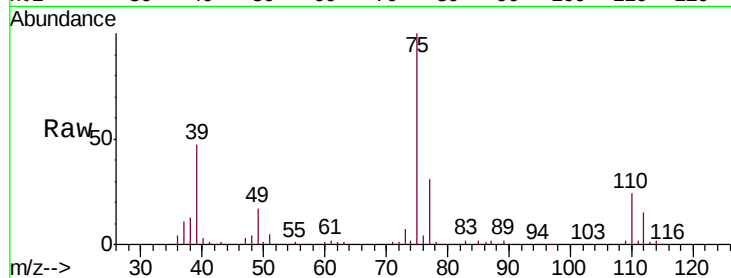


#42

cis-1,3-Dichloropropene
Concen: 51.452 ug/L
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY000646.D
Acq: 12 Nov 2019 10:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTD05081

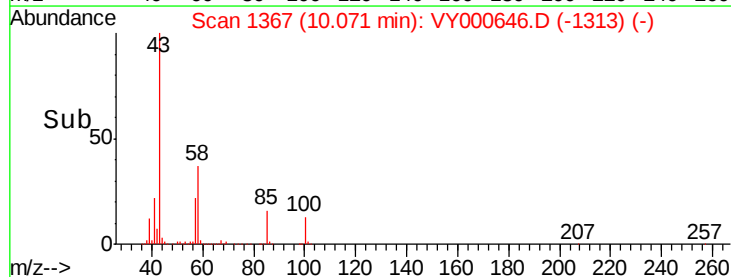
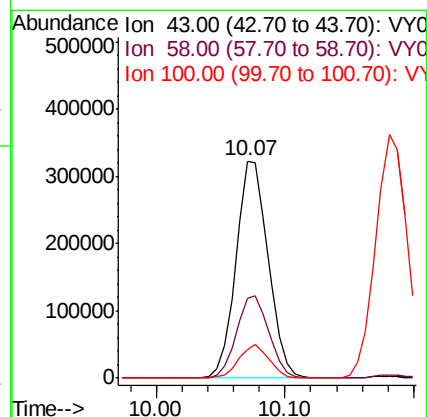
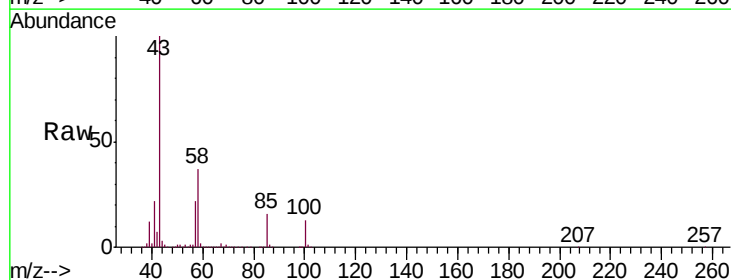
Tgt Ion: 75 Resp: 490860
Ion Ratio Lower Upper
75 100
77 31.0 21.7 40.3

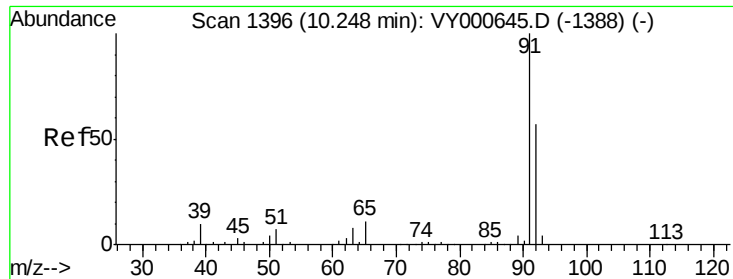


#43

4-Methyl-2-pentanone
Concen: 99.077 ug/L
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY000646.D
Acq: 12 Nov 2019 10:32

Tgt Ion: 43 Resp: 561160
Ion Ratio Lower Upper
43 100
58 37.9 30.6 45.8
100 14.5 12.0 18.0





#44

Toluene

Concen: 49.894 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000646.D

Acq: 12 Nov 2019 10:32

Instrument :

MSVOA_Y

ClientSampleId :

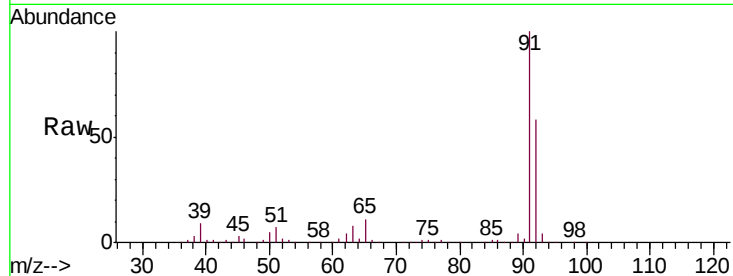
VSTD05081

Tgt Ion: 91 Resp: 1260413

Ion Ratio Lower Upper

91 100

92 57.7 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0

10.25

800000

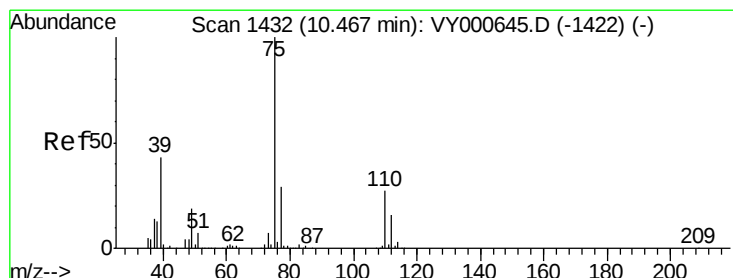
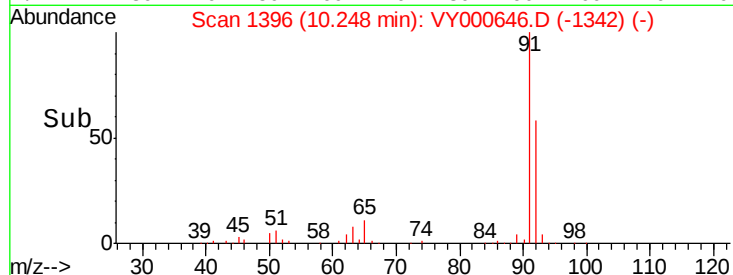
600000

400000

200000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 50.895 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY000646.D

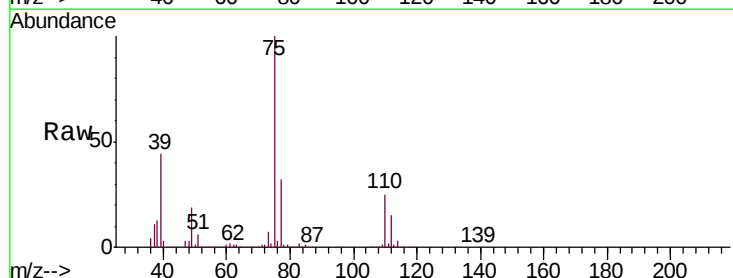
Acq: 12 Nov 2019 10:32

Tgt Ion: 75 Resp: 417138

Ion Ratio Lower Upper

75 100

77 31.5 20.4 37.8



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

10.47

300000

250000

200000

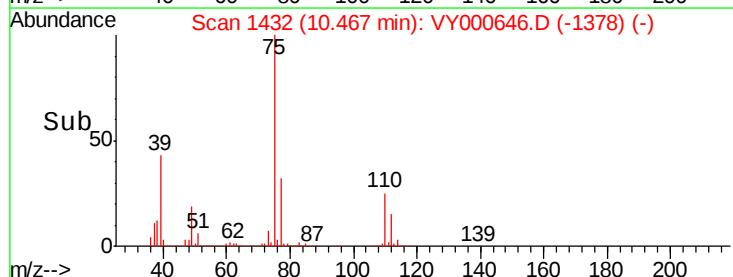
150000

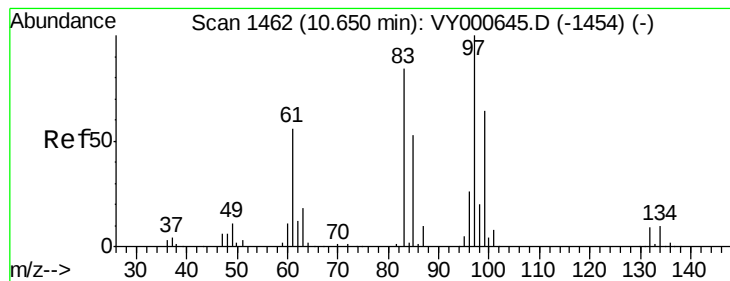
100000

50000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 47.935 ug/L

RT: 10.64 min Scan# 1461

Delta R.T. -0.01 min

Lab File: VY000646.D

Acq: 12 Nov 2019 10:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05081

Tgt Ion: 97 Resp: 232847

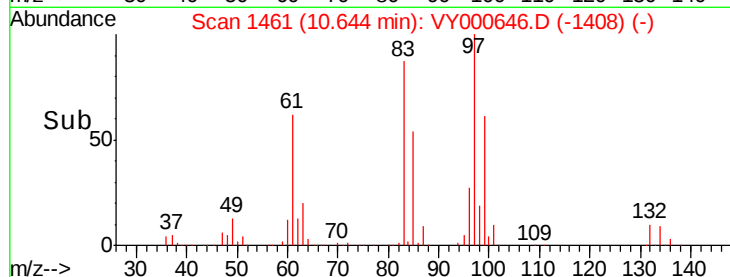
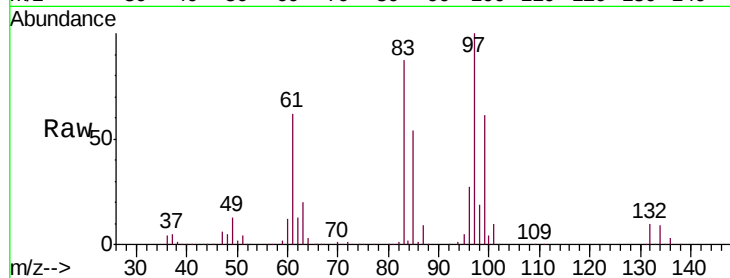
Ion Ratio Lower Upper

97 100

83 86.8 58.7 109.1

85 54.2 37.3 69.3

99 60.6 44.7 83.1



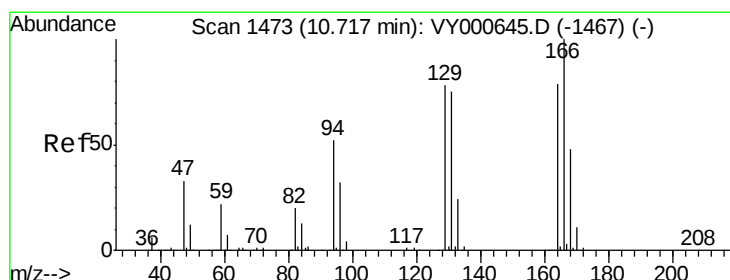
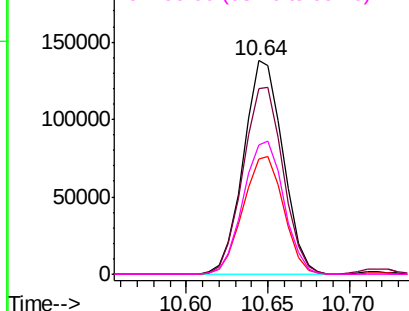
Abundance

Ion 97.00 (96.70 to 97.70): VY0

Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 99.00 (98.70 to 99.70): VY0



#47

Tetrachloroethene

Concen: 48.948 ug/L

RT: 10.72 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VY000646.D

Acq: 12 Nov 2019 10:32

Tgt Ion: 164 Resp: 223956

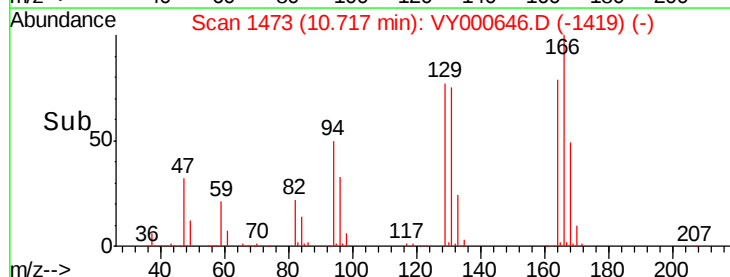
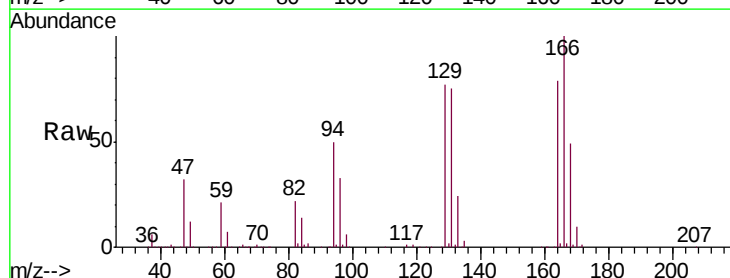
Ion Ratio Lower Upper

164 100

129 97.5 69.6 129.2

131 95.0 66.8 124.2

166 127.2 89.0 165.2



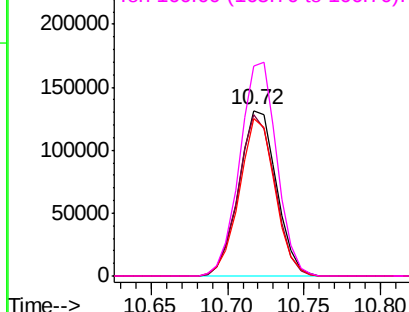
Abundance

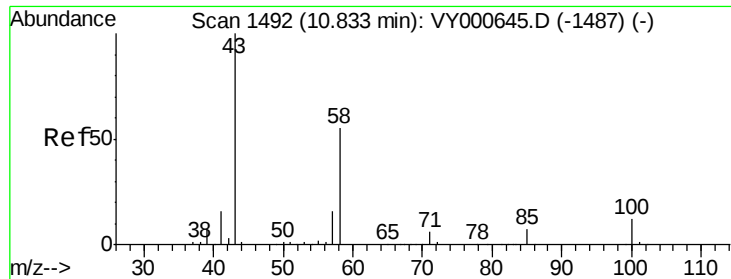
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

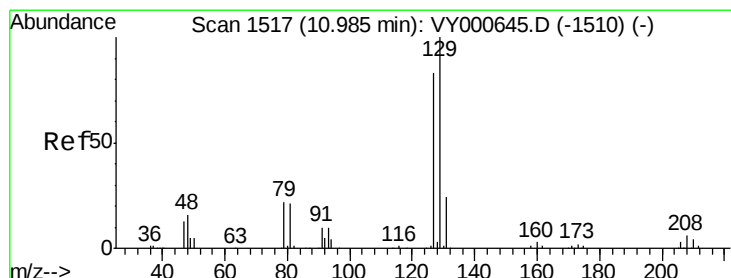
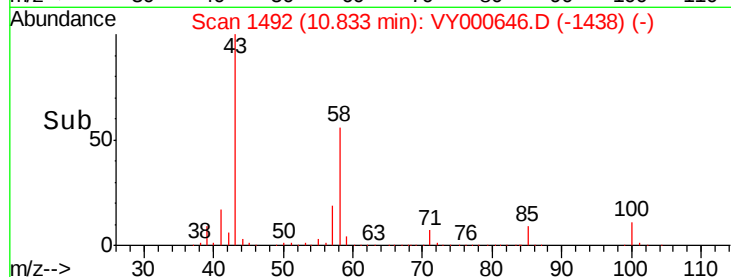
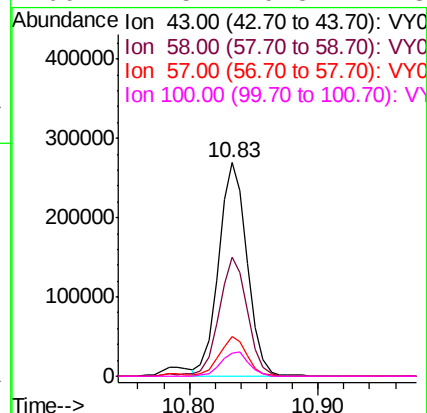
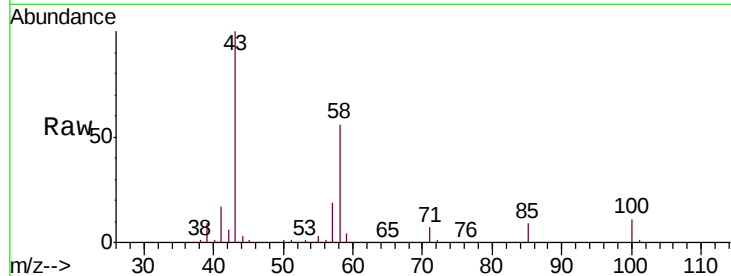




#49
2-Hexanone
Concen: 94.979 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000646.D
Acq: 12 Nov 2019 10:32

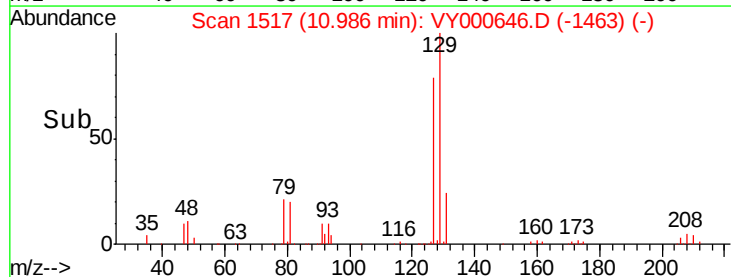
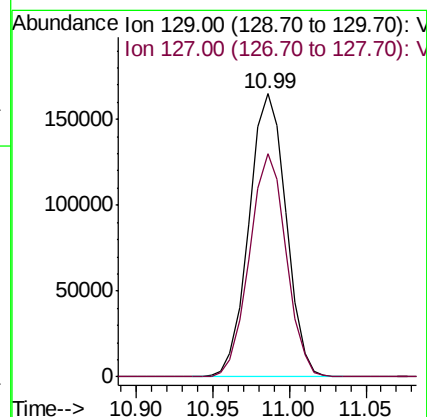
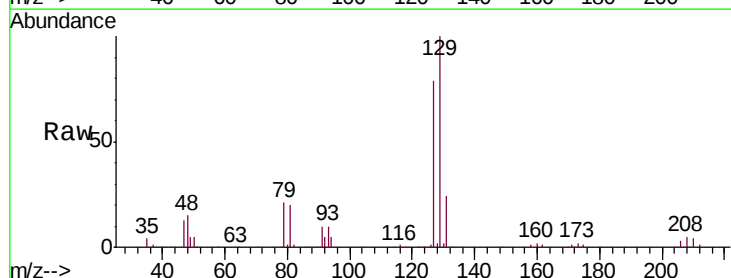
Instrument :
MSVOA_Y
ClientSampled :
VSTD05081

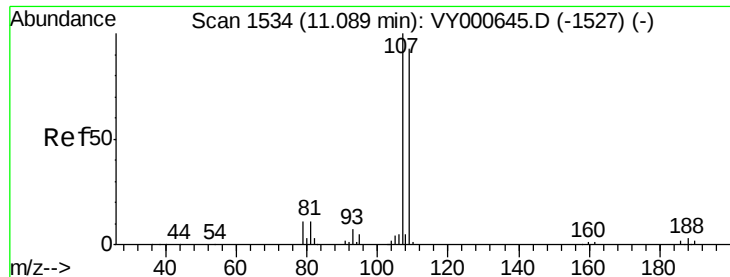
Tgt Ion: 43 Resp: 418991
Ion Ratio Lower Upper
43 100
58 54.7 44.1 66.1
57 18.1 13.9 20.9
100 11.5 9.5 14.3



#50
Dibromochloromethane
Concen: 50.731 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000646.D
Acq: 12 Nov 2019 10:32

Tgt Ion: 129 Resp: 278427
Ion Ratio Lower Upper
129 100
127 78.8 57.9 107.5

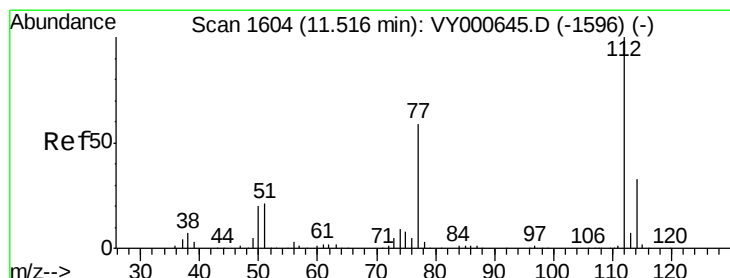
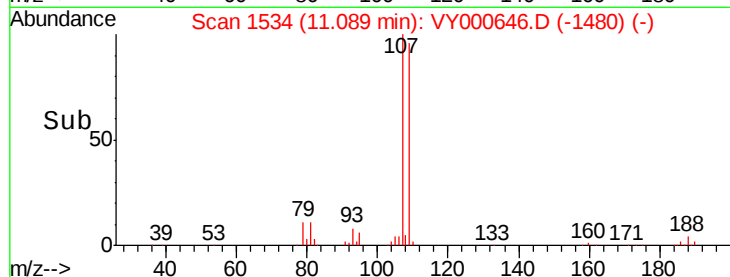
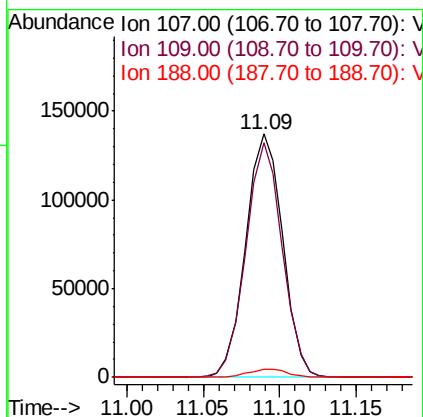
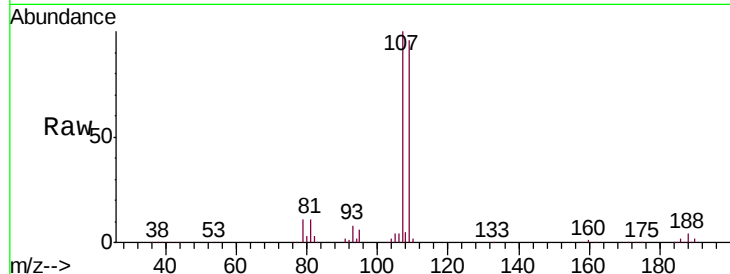




#51
1,2-Dibromoethane
Concen: 48.815 ug/L
RT: 11.09 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VY000646.D
Acq: 12 Nov 2019 10:32

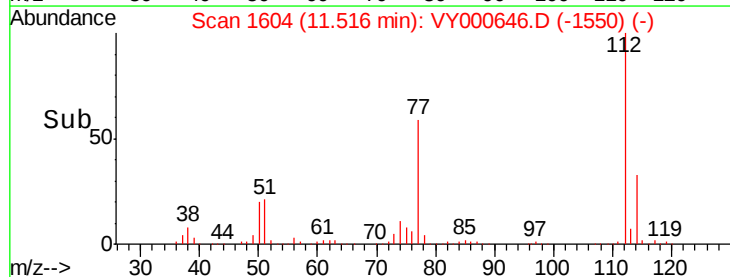
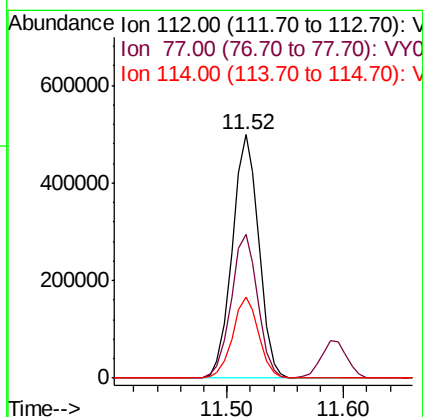
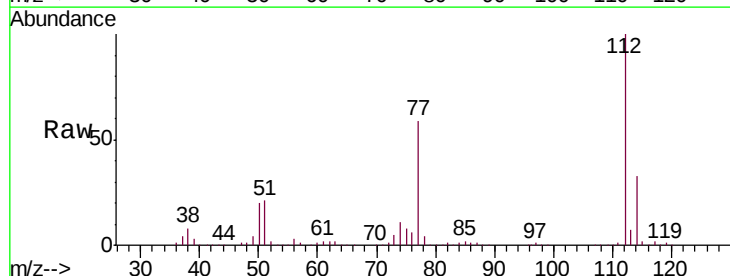
Instrument :
MSVOA_Y
ClientSampleId :
VSTD05081

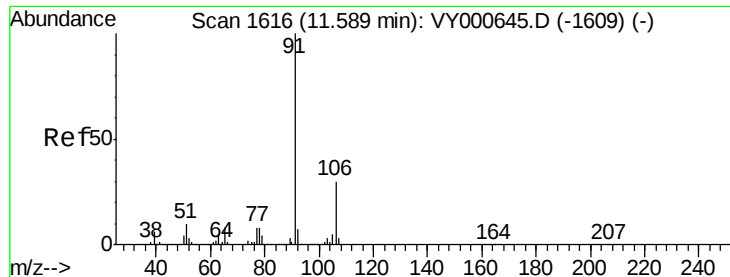
Tgt Ion:107 Resp: 230751
Ion Ratio Lower Upper
107 100
109 96.4 65.5 121.6
188 3.6 2.7 4.1



#52
Chlorobenzene
Concen: 49.164 ug/L
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY000646.D
Acq: 12 Nov 2019 10:32

Tgt Ion:112 Resp: 788178
Ion Ratio Lower Upper
112 100
77 58.8 47.4 71.0
114 33.1 23.0 42.6





#53

Ethylbenzene

Concen: 50.811 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY000646.D

Acq: 12 Nov 2019 10:32

Instrument :

MSVOA_Y

ClientSampleId :

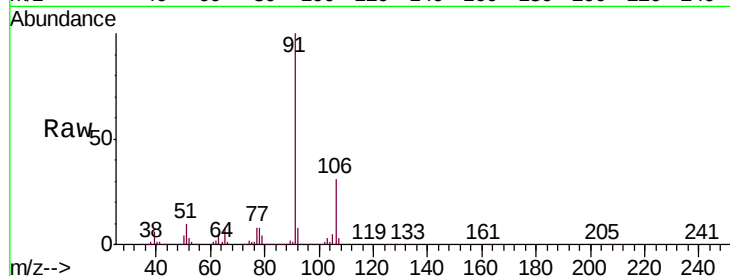
VSTD05081

Tgt Ion: 91 Resp: 1452159

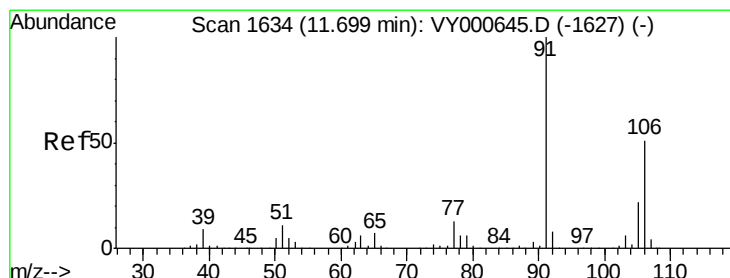
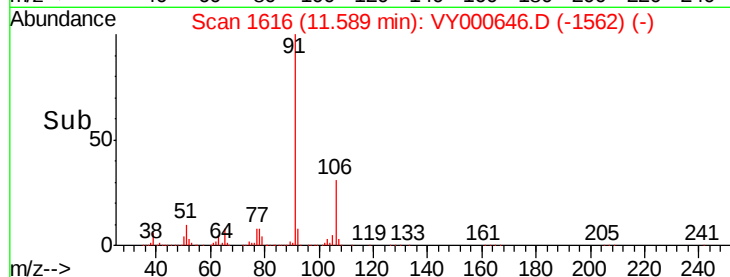
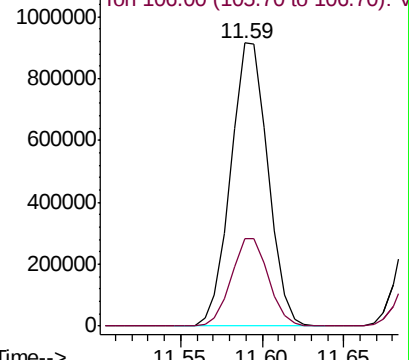
Ion Ratio Lower Upper

91 100

106 31.1 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VY000645.D (-1609) (-)



#54

m,p-Xylene

Concen: 51.288 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY000646.D

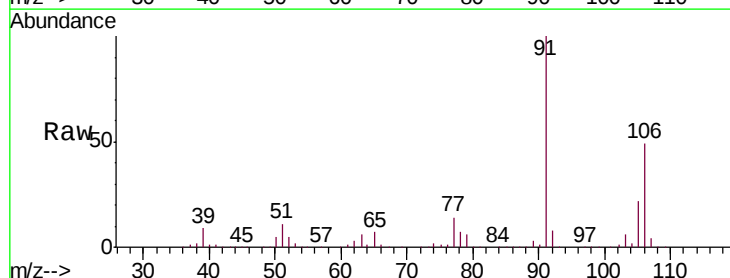
Acq: 12 Nov 2019 10:32

Tgt Ion: 106 Resp: 554714

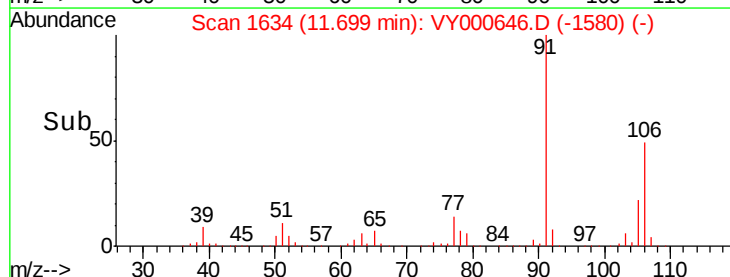
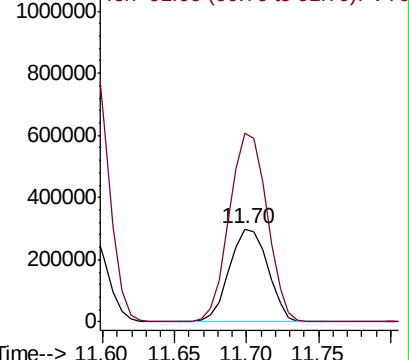
Ion Ratio Lower Upper

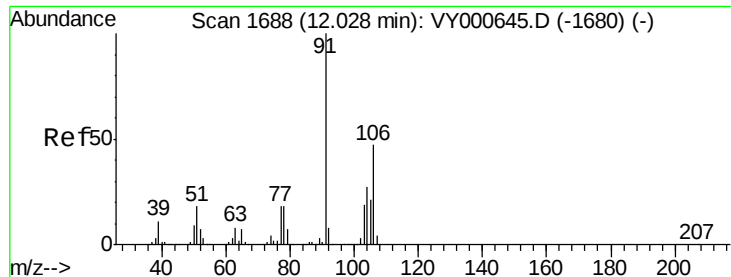
106 100

91 203.6 137.4 255.2



Abundance Ion 106.00 (105.70 to 106.70): VY000645.D (-1627) (-)





#55

o-xylene

Concen: 50.226 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VY000646.D

Acq: 12 Nov 2019 10:32

Instrument :

MSVOA_Y

ClientSampled :

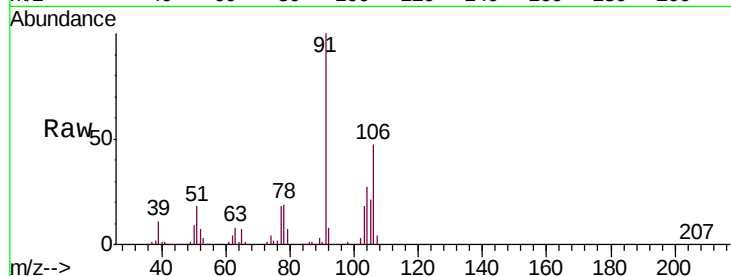
VSTD05081

Tgt Ion:106 Resp: 533199

Ion Ratio Lower Upper

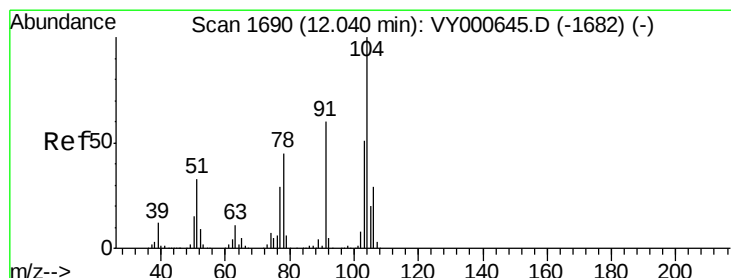
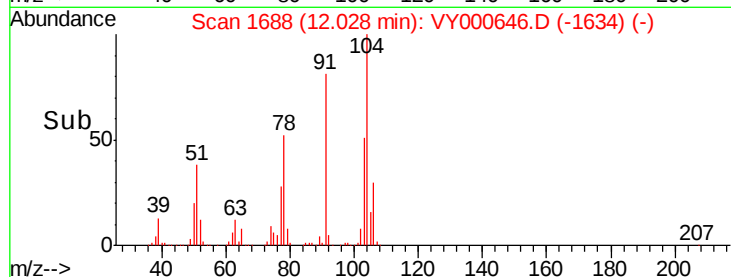
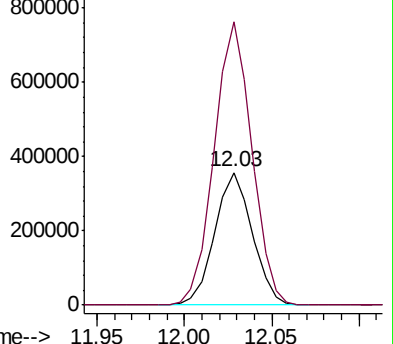
106 100

91 213.8 147.8 274.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 53.299 ug/L

RT: 12.05 min Scan# 1691

Delta R.T. 0.01 min

Lab File: VY000646.D

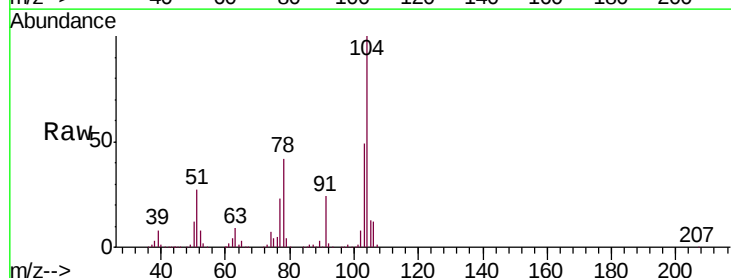
Acq: 12 Nov 2019 10:32

Tgt Ion:104 Resp: 940106

Ion Ratio Lower Upper

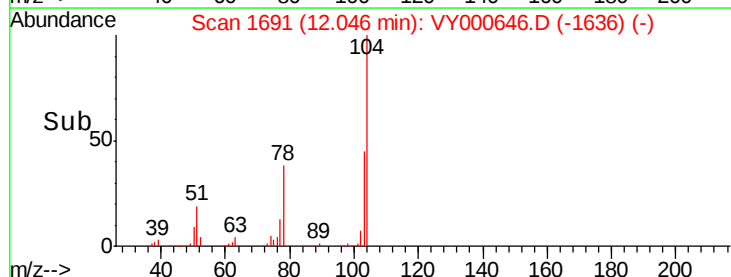
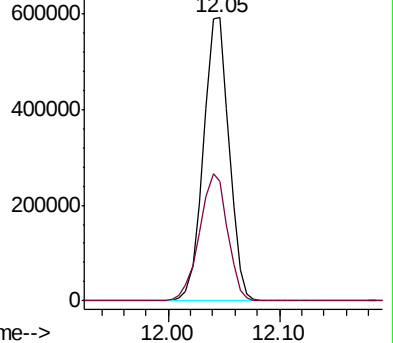
104 100

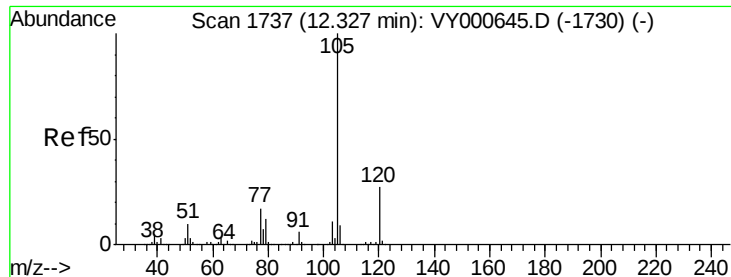
78 42.1 31.5 58.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 51.689 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000646.D

Acq: 12 Nov 2019 10:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05081

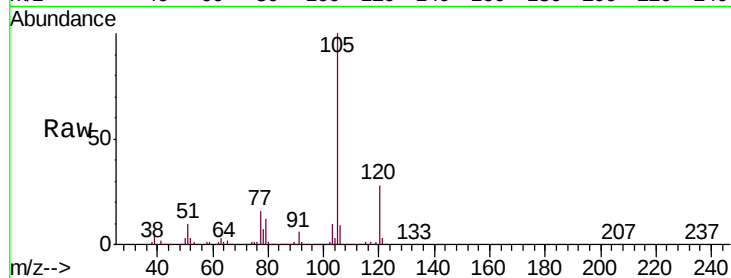
Tgt Ion:105 Resp: 1427636

Ion Ratio Lower Upper

105 100

120 27.1 21.5 32.3

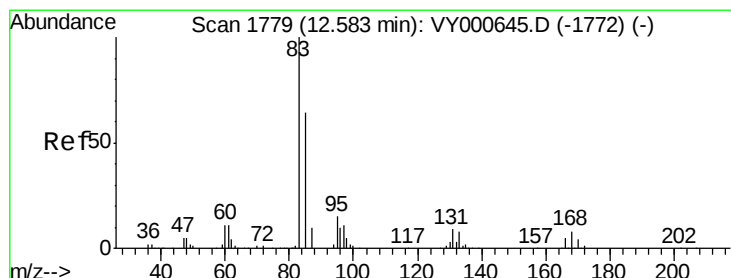
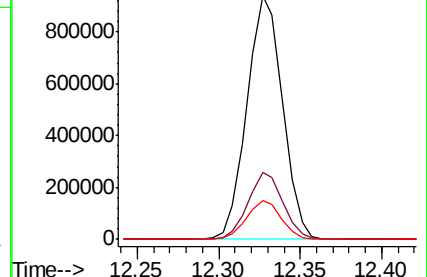
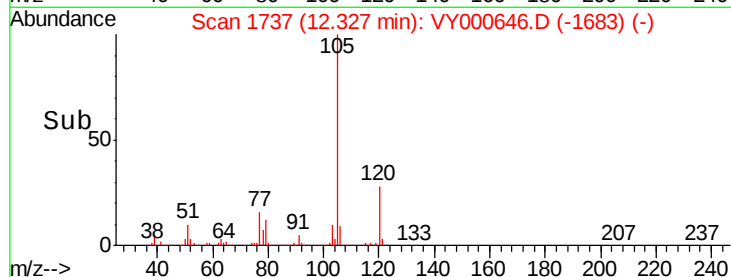
77 15.5 12.6 19.0



Abundance Ion 105.00 (104.70 to 105.70): VY000646.D (-1730) (-)

Ion 120.00 (119.70 to 120.70): VY000646.D (-1730) (-)

Ion 77.00 (76.70 to 77.70): VY000646.D (-1730) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 51.552 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000646.D

Acq: 12 Nov 2019 10:32

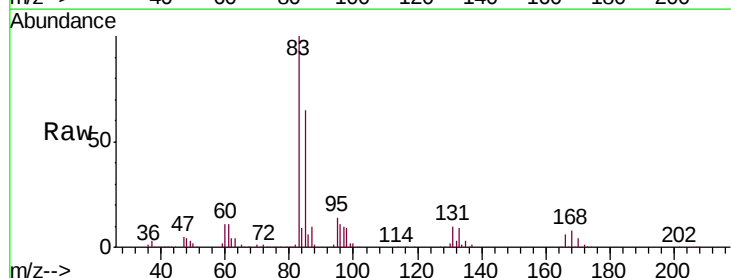
Tgt Ion: 83 Resp: 312441

Ion Ratio Lower Upper

83 100

85 64.6 45.0 83.6

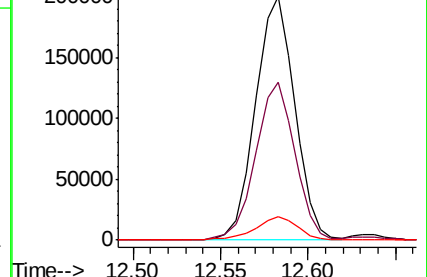
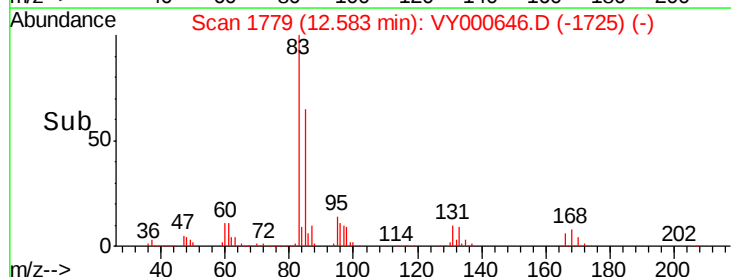
131 9.5 7.8 11.6

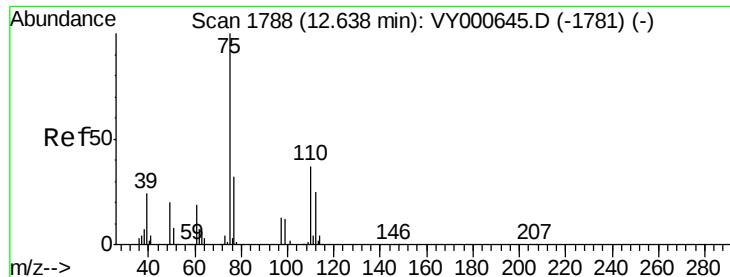


Abundance Ion 83.00 (82.70 to 83.70): VY000646.D (-1772) (-)

Ion 85.00 (84.70 to 85.70): VY000646.D (-1772) (-)

Ion 131.00 (130.70 to 131.70): VY000646.D (-1772) (-)





#59

1,2,3-Trichloropropane

Concen: 48.799 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. -0.01 min

Lab File: VY000646.D

Acq: 12 Nov 2019 10:32

Instrument :

MSVOA_Y

ClientSampleId :

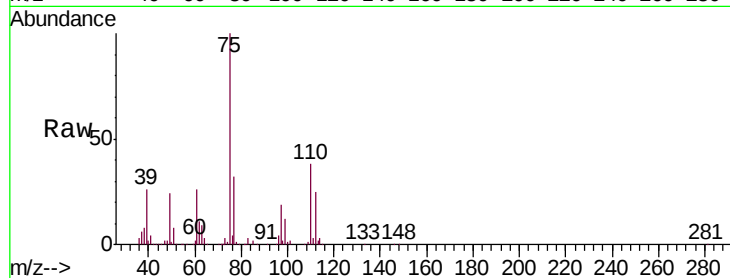
VSTD05081

Tgt Ion: 75 Resp: 240498

Ion Ratio Lower Upper

75 100

77 32.3 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VY000645.D (-1781) (-)

Ion 77.00 (76.70 to 77.70): VY000645.D (-1781) (-)

12.63

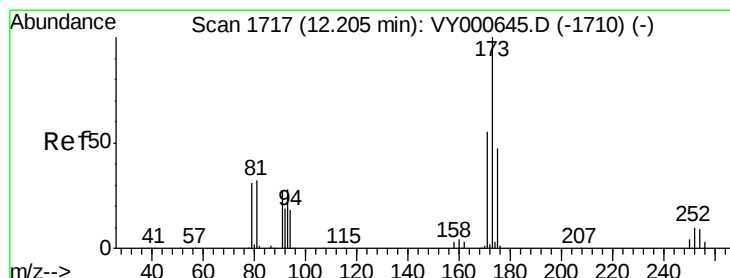
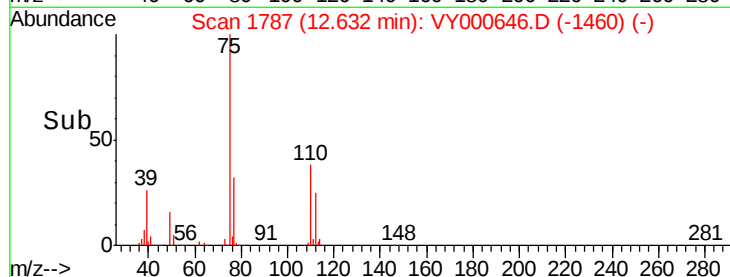
150000

100000

50000

0

Time-->



#62

Bromoform

Concen: 51.083 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY000646.D

Acq: 12 Nov 2019 10:32

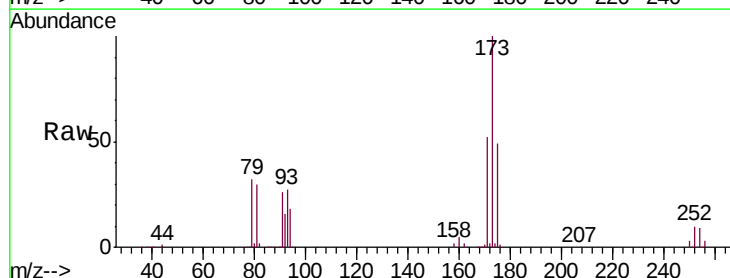
Tgt Ion: 173 Resp: 172293

Ion Ratio Lower Upper

173 100

175 49.0 37.8 56.6

254 9.9 7.7 11.5



Abundance Ion 173.00 (172.70 to 173.70): VY000645.D (-1710) (-)

Ion 175.00 (174.70 to 175.70): VY000645.D (-1710) (-)

Ion 254.00 (253.70 to 254.70): VY000645.D (-1710) (-)

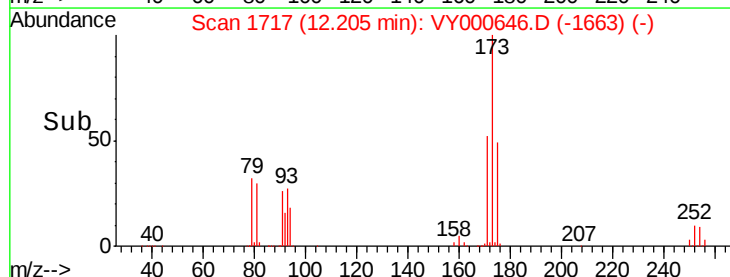
12.20

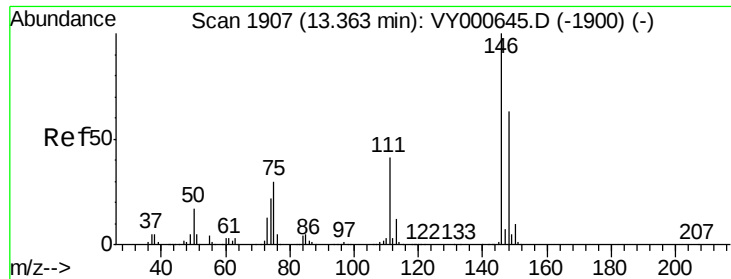
100000

50000

0

Time-->

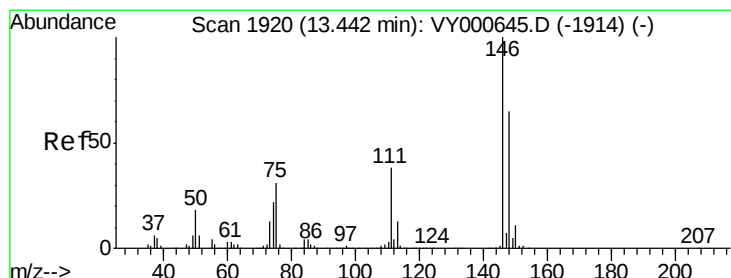
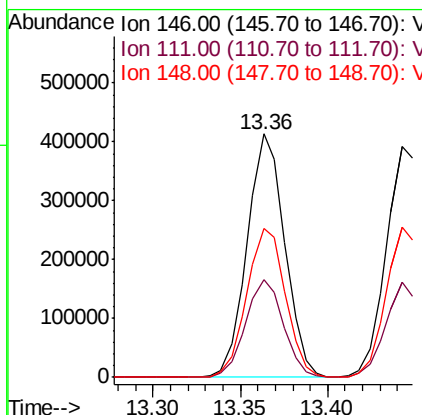
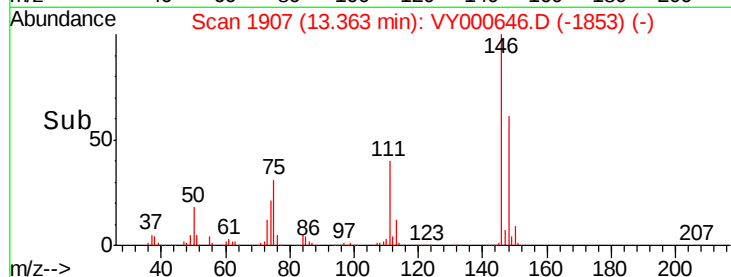
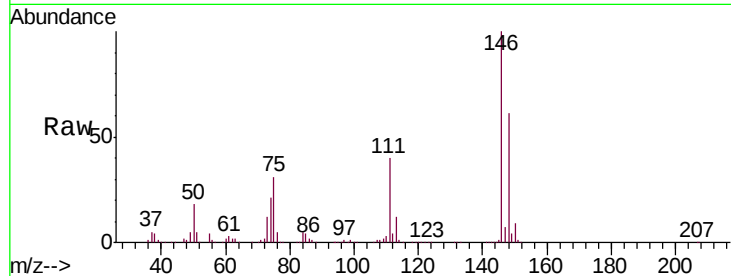




#63
 1,3-Dichlorobenzene
 Concen: 48.822 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY000646.D
 Acq: 12 Nov 2019 10:32

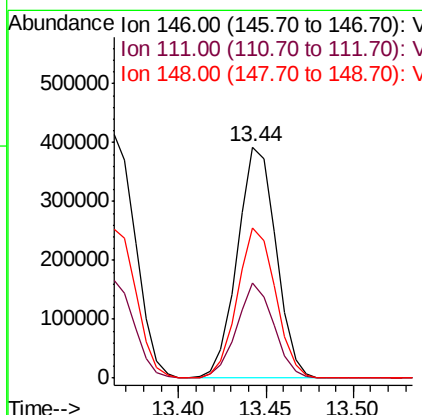
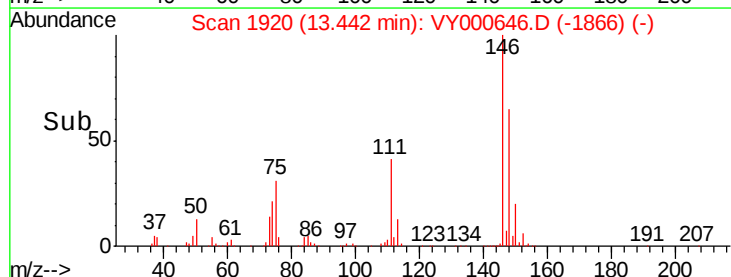
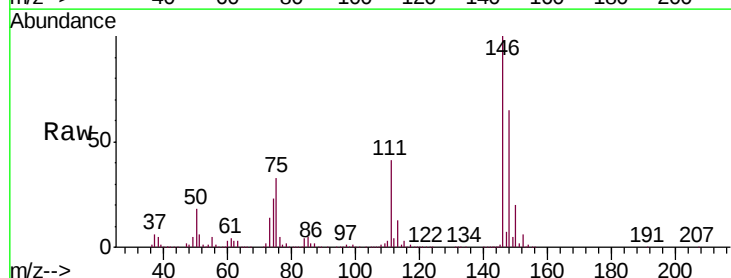
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05081

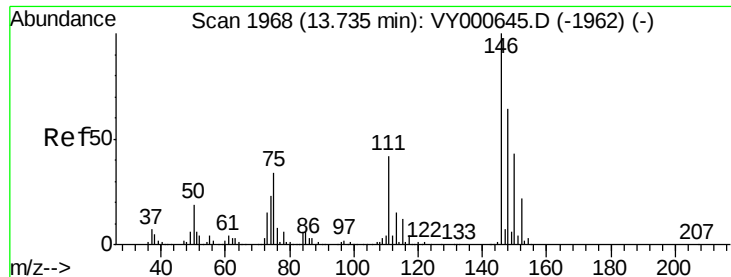
Tgt Ion:146 Resp: 618388
 Ion Ratio Lower Upper
 146 100
 111 40.2 28.8 53.6
 148 61.3 44.3 82.3



#64
 1,4-Dichlorobenzene
 Concen: 47.704 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY000646.D
 Acq: 12 Nov 2019 10:32

Tgt Ion:146 Resp: 603995
 Ion Ratio Lower Upper
 146 100
 111 41.2 26.7 49.5
 148 65.1 45.2 84.0





#65

1,2-Dichlorobenzene

Concen: 48.381 ug/L

RT: 13.74 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VY000646.D

Acq: 12 Nov 2019 10:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05081

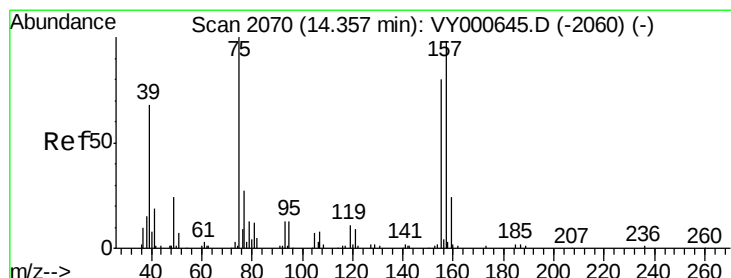
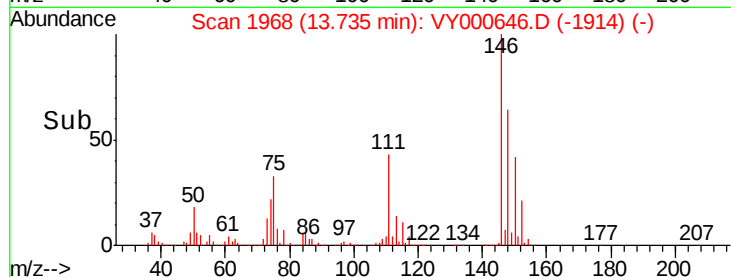
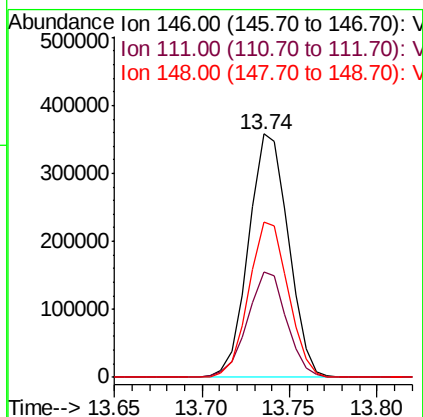
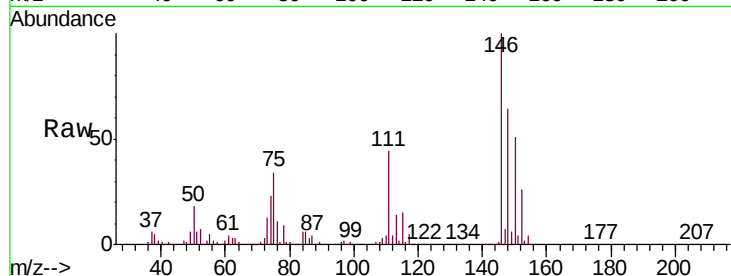
Tgt Ion:146 Resp: 567550

Ion Ratio Lower Upper

146 100

111 43.5 33.8 50.8

148 64.0 51.0 76.6



#66

1,2-Dibromo-3-chloropropane

Concen: 49.943 ug/L

RT: 14.36 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VY000646.D

Acq: 12 Nov 2019 10:32

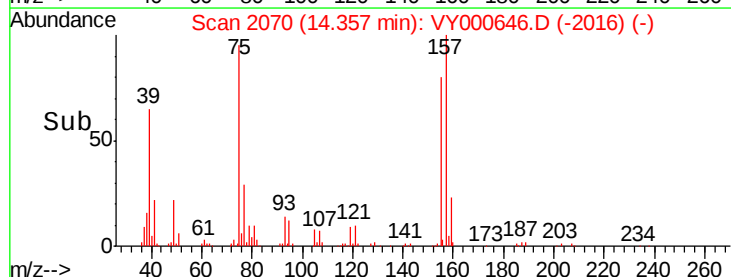
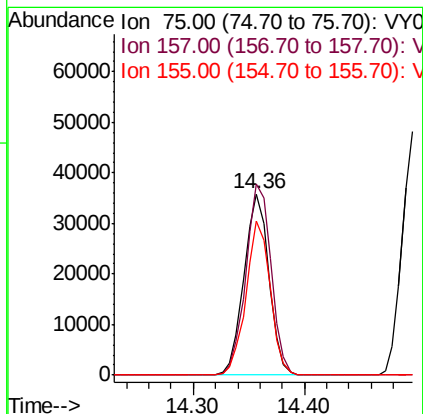
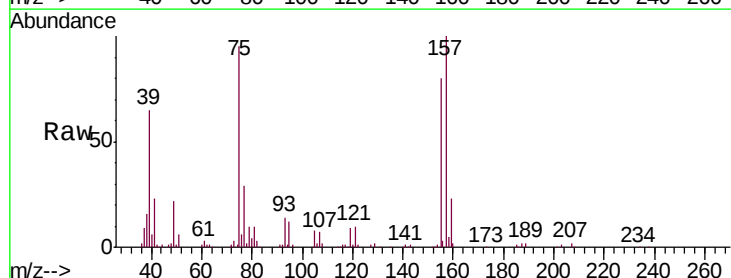
Tgt Ion: 75 Resp: 55667

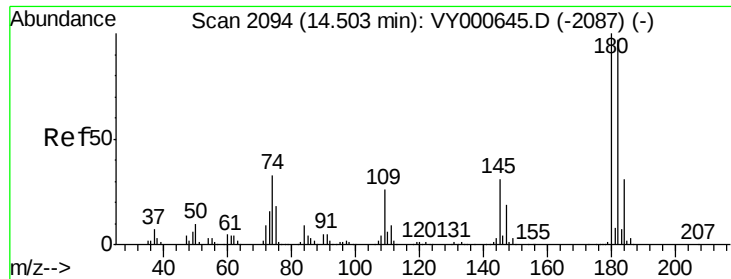
Ion Ratio Lower Upper

75 100

157 105.8 78.1 117.1

155 85.0 64.2 96.4

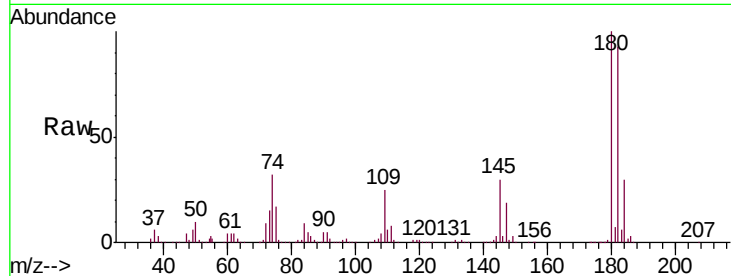




#67
1,3,5-Trichlorobenzene
Concen: 47.792 ug/L
RT: 14.50 min Scan# 2094
Delta R.T. 0.00 min
Lab File: VY000646.D
Acq: 12 Nov 2019 10:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTD05081

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.6	113.4
184	29.7	24.5	36.7
145	30.2	25.1	37.7



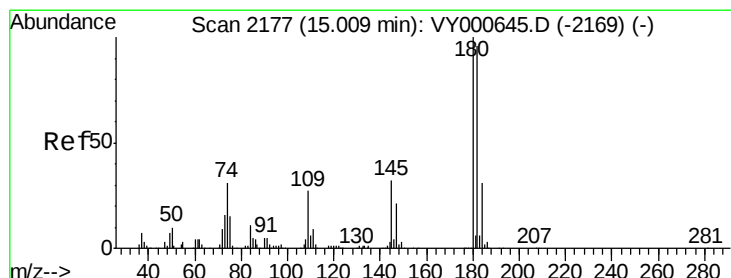
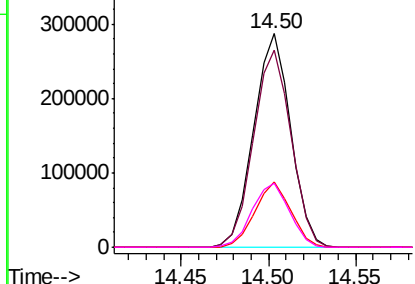
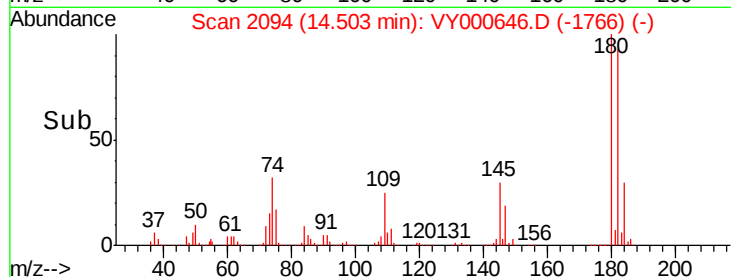
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

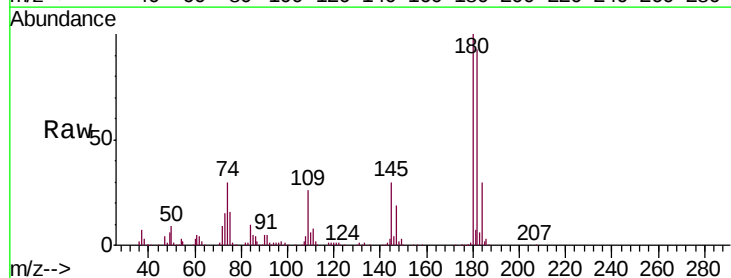
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
1,2,4-trichlorobenzene
Concen: 46.483 ug/L
RT: 15.01 min Scan# 2177
Delta R.T. 0.00 min
Lab File: VY000646.D
Acq: 12 Nov 2019 10:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.5	116.3
145	31.2	25.4	38.2

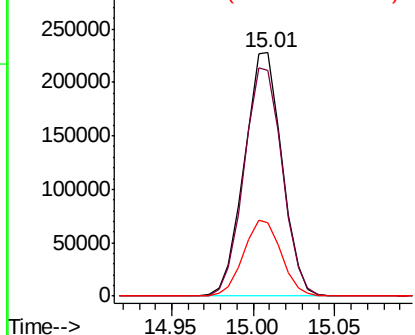
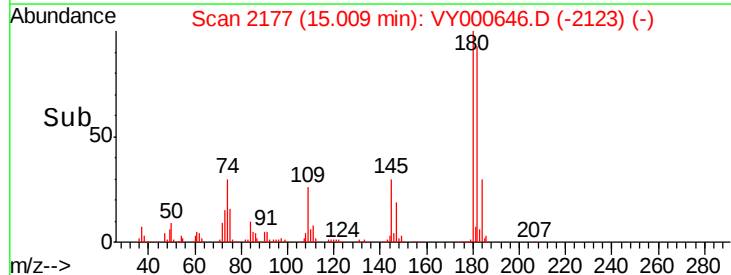


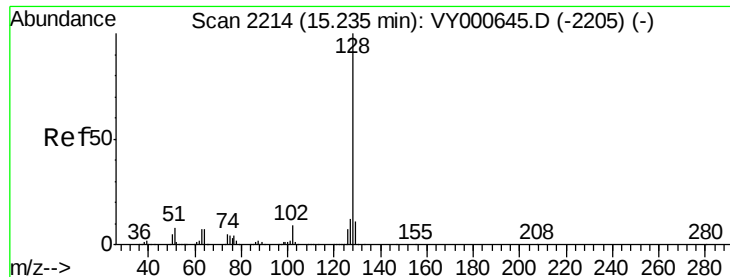
Abundance

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: 46.152 ug/L

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY000646.D

Acq: 12 Nov 2019 10:32

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05081

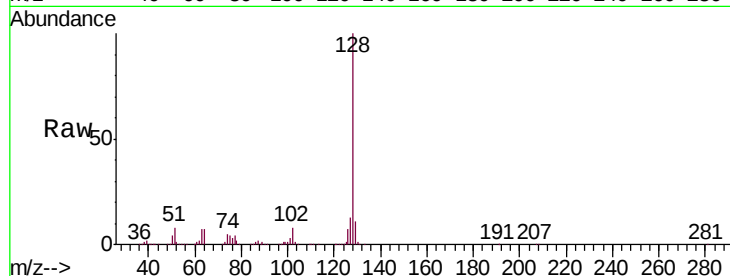
Tgt Ion:128 Resp: 907702

Ion Ratio Lower Upper

128 100

129 11.0 8.4 12.6

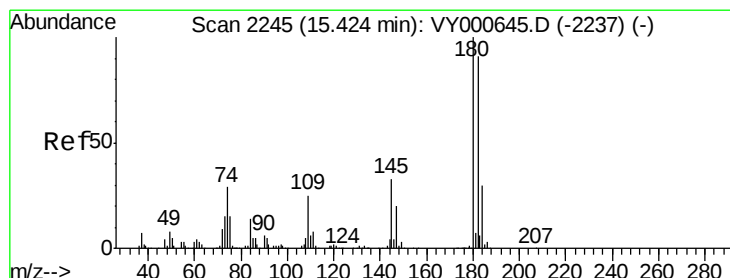
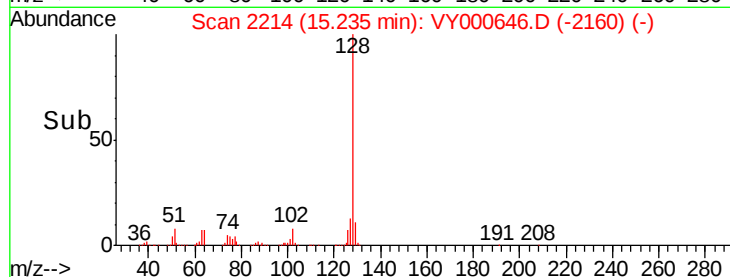
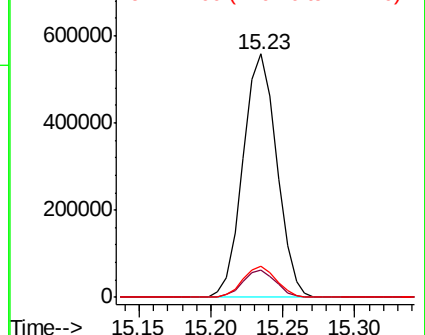
127 12.6 9.8 14.6



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: 45.743 ug/L

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY000646.D

Acq: 12 Nov 2019 10:32

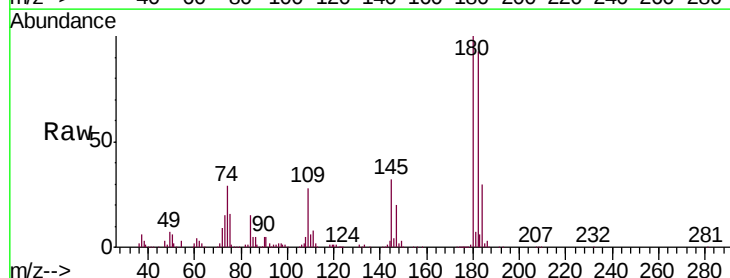
Tgt Ion:180 Resp: 335681

Ion Ratio Lower Upper

180 100

182 94.6 76.2 114.4

145 32.5 26.6 39.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

