

Data File : VY000645.D
Acq On : 12 Nov 2019 10:11
Operator : SY/MD
Sample : VSTD02580
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTD02580

Quant Time: Nov 13 01:29:12 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	370824	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	342491	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	170514	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	138139	26.38	ug/L	0.00
7) Chloroethane-d5	2.76	69	116977	25.14	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	246110	25.44	ug/L	0.00
20) 2-Butanone-d5	6.91	46	110919	51.33	ug/L	0.00
24) Chloroform-d	7.49	84	243684	25.04	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	140667	24.93	ug/L	0.00
29) Benzene-d6	8.12	84	500000	25.14	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.13	67	154130	24.73	ug/L	0.00
37) Toluene-d8	10.18	98	461700	24.85	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	73806	25.38	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	88106	52.30	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	156721	25.85	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	164958	24.19	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	124871	25.482	ug/L	100
3) Chloromethane	2.12	50	161054	26.218	ug/L	100
5) Vinyl chloride	2.25	62	162669	26.534	ug/L	100
6) Bromomethane	2.65	94	83931	25.071	ug/L	100
8) Chloroethane	2.80	64	101776	26.475	ug/L	100
9) Trichlorofluoromethane	3.13	101	232824	26.813	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	134563	27.321	ug/L	100
12) 1,1-Dichloroethene	3.87	96	128805	26.792	ug/L	100
13) Acetone	3.96	43	74490	46.530	ug/L	100
14) Carbon disulfide	4.20	76	408437	27.533	ug/L	100
15) Methyl Acetate	4.49	43	97000	26.781	ug/L	100
16) Methylene chloride	4.72	84	150753	24.627	ug/L	100
17) Methyl tert-butyl Ether	5.23	73	394229	26.951	ug/L	100
18) trans-1,2-Dichloroethene	5.23	96	143483	26.723	ug/L	100
19) 1,1-Dichloroethane	6.03	63	250971	26.560	ug/L	100
21) 2-Butanone	7.00	43	141084	50.653	ug/L	100
22) cis-1,2-Dichloroethene	7.00	96	158900	26.756	ug/L	100
23) Bromochloromethane	7.35	128	68719	26.500	ug/L	100
25) Chloroform	7.52	83	263024	25.827	ug/L	100
27) 1,2-Dichloroethane	8.25	62	180646	26.534	ug/L	100
30) Cyclohexane	7.79	56	254582	27.240	ug/L	100
31) 1,1,1-Trichloroethane	7.71	97	226972	26.900	ug/L	100
32) Carbon tetrachloride	7.91	117	201471	27.395	ug/L	100
34) Benzene	8.17	78	592799	26.474	ug/L	100
35) Trichloroethene	8.95	95	158040	26.917	ug/L	100
36) Methylcyclohexane	9.19	83	271510	27.018	ug/L	100
40) 1,2-Dichloropropane	9.22	63	150396	26.504	ug/L	100
41) Bromodichloromethane	9.50	83	197130	26.999	ug/L	100
42) cis-1,3-Dichloropropene	9.93	75	249230	27.264	ug/L	100
43) 4-Methyl-2-pentanone	10.07	43	297926	54.896	ug/L	100

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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)
44) Toluene	10.25	91	649895	26.849	ug/L	100
45) trans-1,3-Dichloropropene	10.47	75	214927	27.367	ug/L	100
46) 1,1,2-Trichloroethane	10.65	97	124538	26.756	ug/L	100
47) Tetrachloroethene	10.72	164	117654	26.837	ug/L	100
49) 2-Hexanone	10.83	43	223932	52.977	ug/L	100
50) Dibromochloromethane	10.99	129	141226	26.855	ug/L	100
51) 1,2-Dibromoethane	11.09	107	124292	27.441	ug/L	100
52) Chlorobenzene	11.52	112	408949	26.622	ug/L	100
53) Ethylbenzene	11.59	91	741443	27.075	ug/L	100
54) m,p-Xylene	11.70	106	285419	27.541	ug/L	100
55) o-xylene	12.03	106	273895	26.926	ug/L	100
56) Styrene	12.04	104	467142	27.640	ug/L	100
57) Isopropylbenzene	12.33	105	722490	27.300	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.58	83	162129	27.918	ug/L	100
59) 1,2,3-Trichloropropane	12.64	75	131467	27.840	ug/L	100
62) Bromoform	12.20	173	88385	27.292	ug/L	100
63) 1,3-Dichlorobenzene	13.36	146	321156	26.407	ug/L	100
64) 1,4-Dichlorobenzene	13.44	146	319891	26.313	ug/L	100
65) 1,2-Dichlorobenzene	13.73	146	291407	25.871	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.36	75	29103	27.193	ug/L	100
67) 1,3,5-Trichlorobenzene	14.50	180	223175	26.320	ug/L	100
68) 1,2,4-trichlorobenzene	15.01	180	192264	25.372	ug/L	100
69) Naphthalene	15.23	128	496794	26.307	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	181721	25.790	ug/L	100

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

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```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_Y
ClientSampleId :
VSTD02580

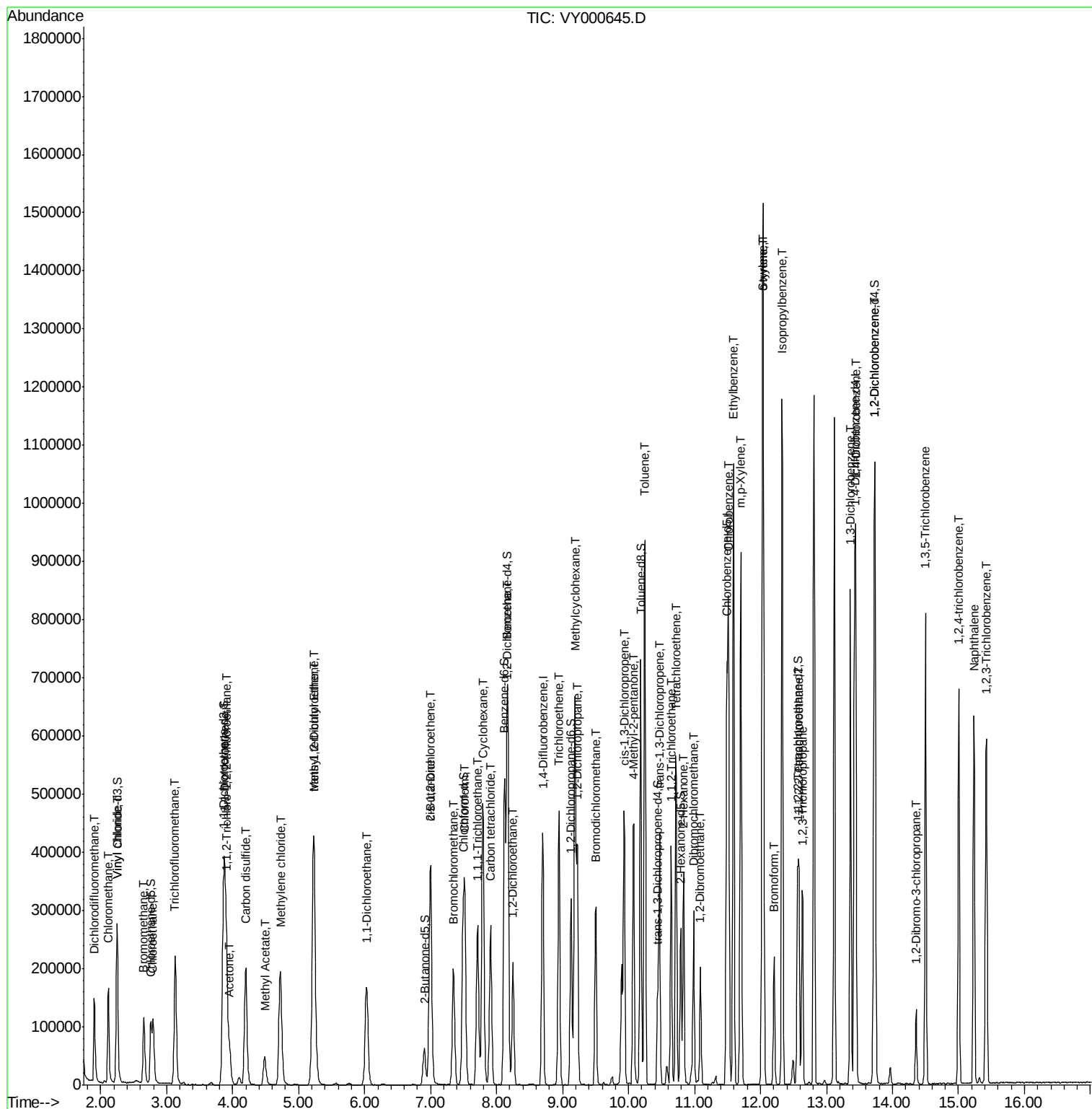
Quant Time: Nov 13 01:29:12 2019

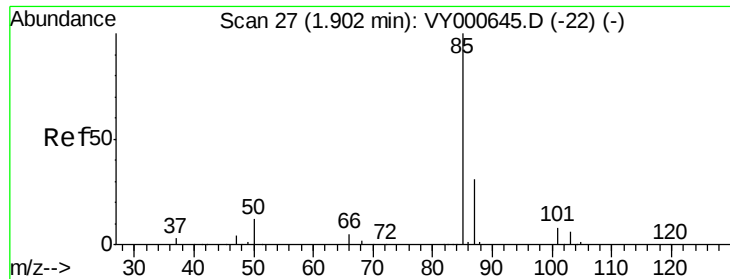
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_Y\METHODS\S0M2YLM111219S.M

Quant Title : VOC Analysis

QLast Update : Wed Nov 13 01:25:53 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 25.482 ug/L

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000645.D

Acq: 12 Nov 2019 10:11

Instrument :

MSVOA_Y

ClientSampleId :

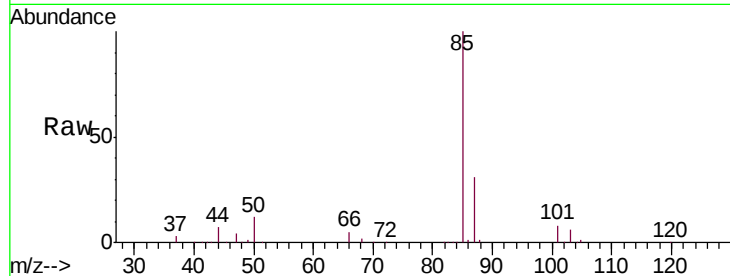
VSTD02580

Tgt Ion: 85 Resp: 124871

Ion Ratio Lower Upper

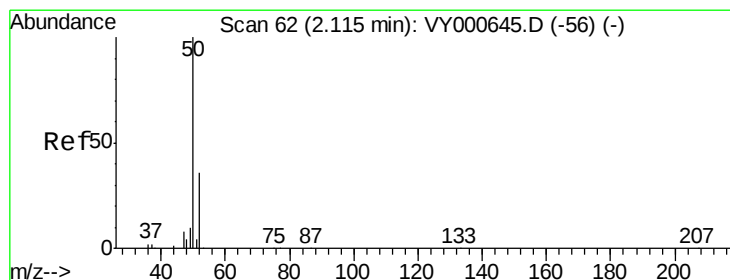
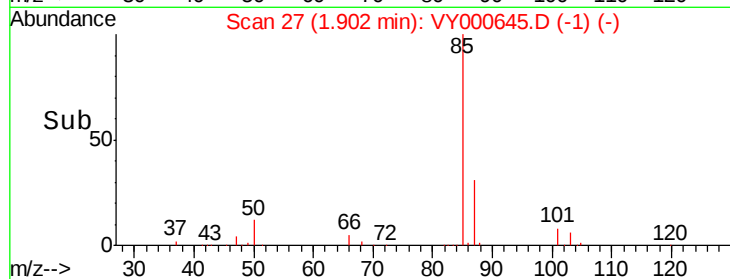
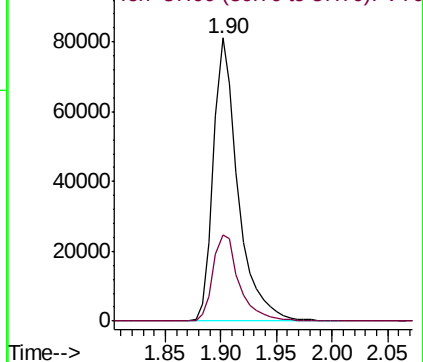
85 100

87 32.4 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: 26.218 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000645.D

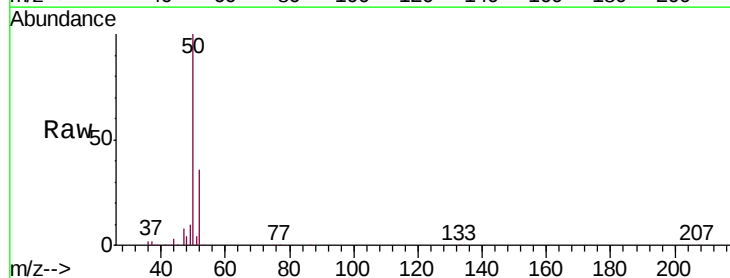
Acq: 12 Nov 2019 10:11

Tgt Ion: 50 Resp: 161054

Ion Ratio Lower Upper

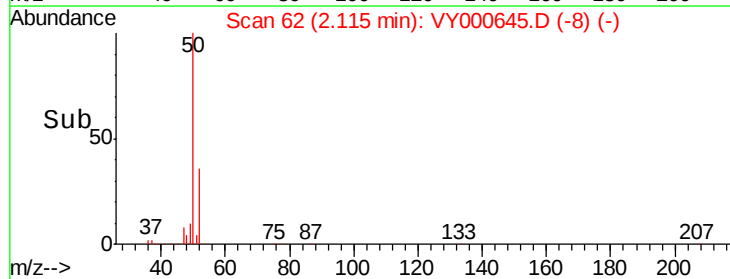
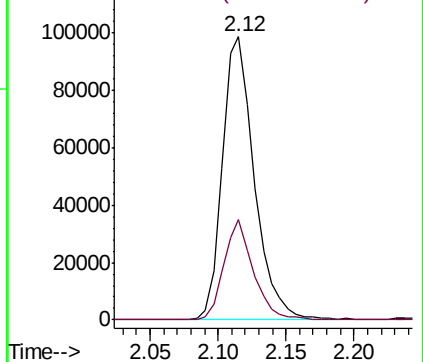
50 100

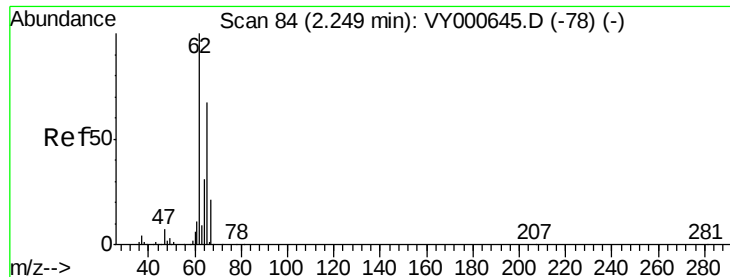
52 35.6 24.9 46.3



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 26.534 ug/L

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000645.D

Acq: 12 Nov 2019 10:11

Instrument :

MSVOA_Y

ClientSampleId :

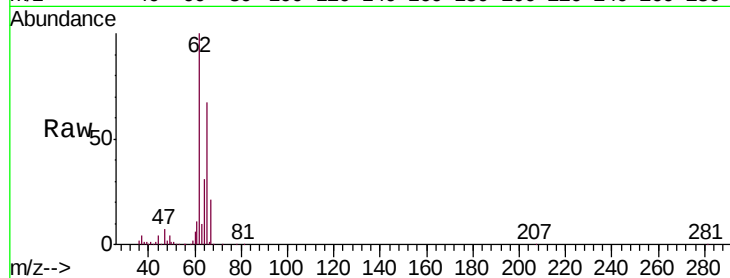
VSTD02580

Tgt Ion: 62 Resp: 162669

Ion Ratio Lower Upper

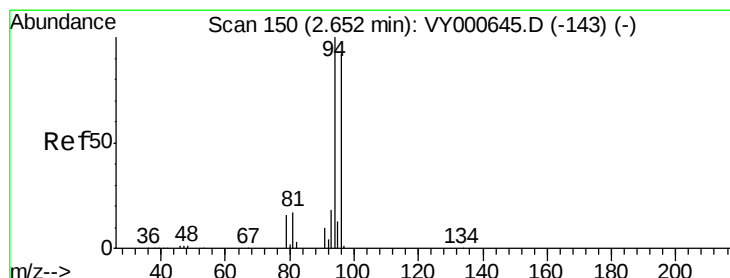
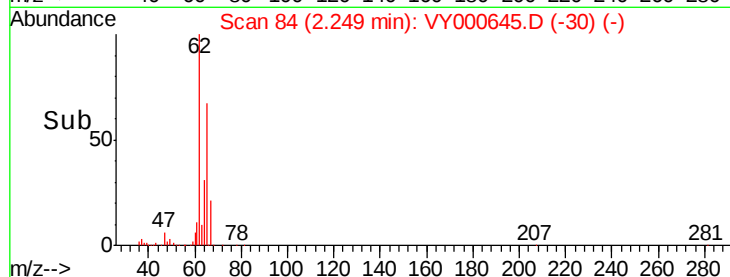
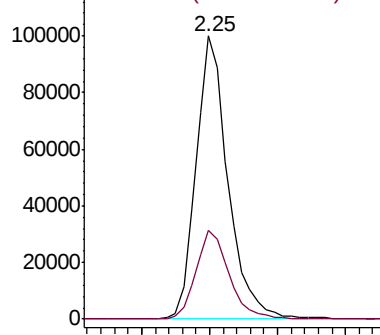
62 100

64 31.4 22.0 40.8



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 25.071 ug/L

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY000645.D

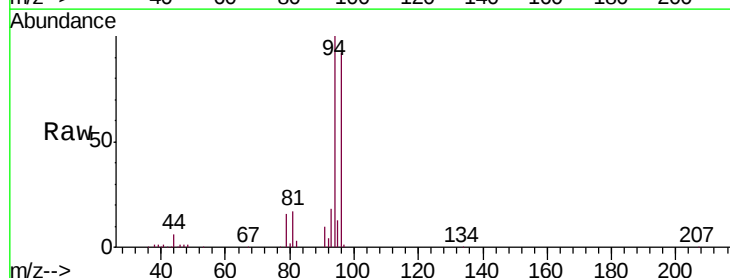
Acq: 12 Nov 2019 10:11

Tgt Ion: 94 Resp: 83931

Ion Ratio Lower Upper

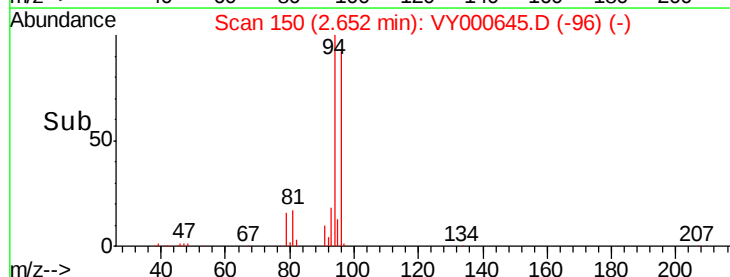
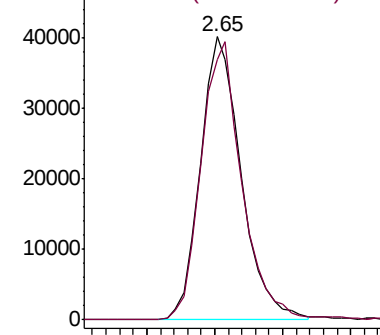
94 100

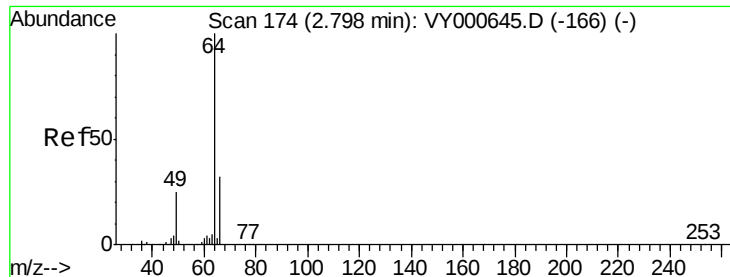
96 97.7 9.8 185.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 26.475 ug/L

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY000645.D

Acq: 12 Nov 2019 10:11

Instrument :

MSVOA_Y

ClientSampleId :

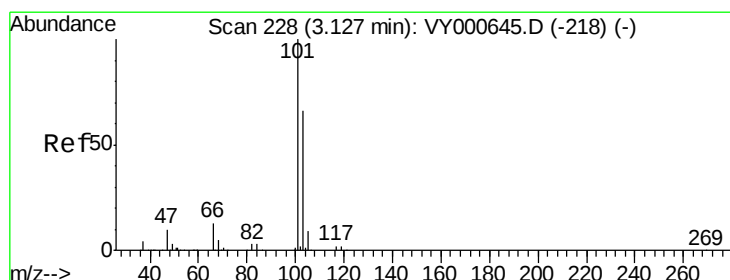
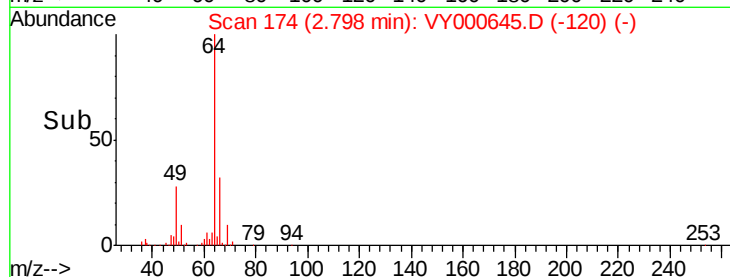
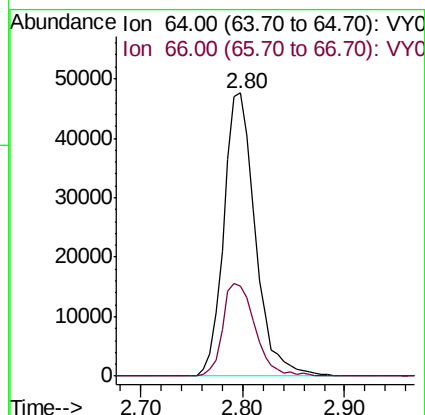
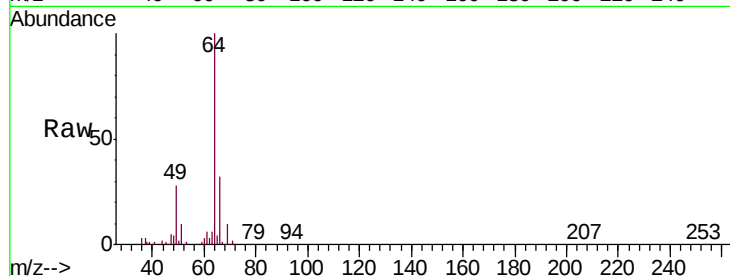
VSTD02580

Tgt Ion: 64 Resp: 101776

Ion Ratio Lower Upper

64 100

66 31.7 22.2 41.2



#9

Trichlorofluoromethane

Concen: 26.813 ug/L

RT: 3.13 min Scan# 228

Delta R.T. 0.00 min

Lab File: VY000645.D

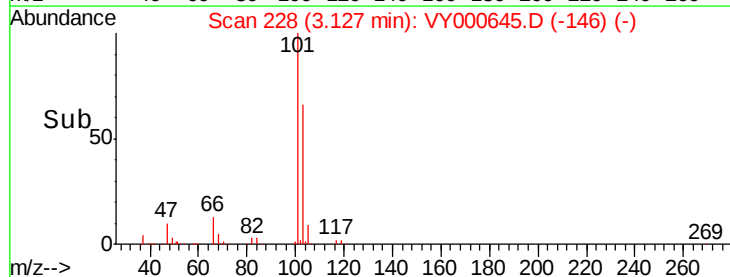
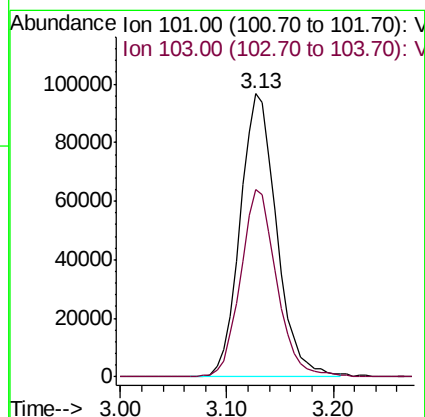
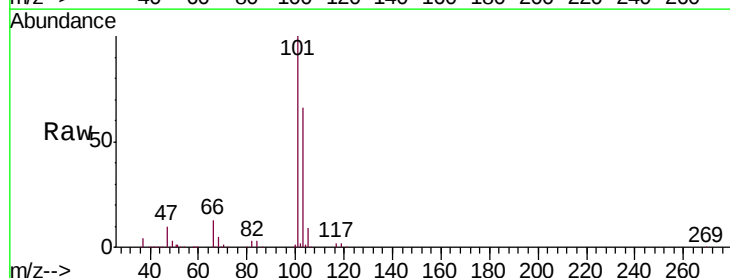
Acq: 12 Nov 2019 10:11

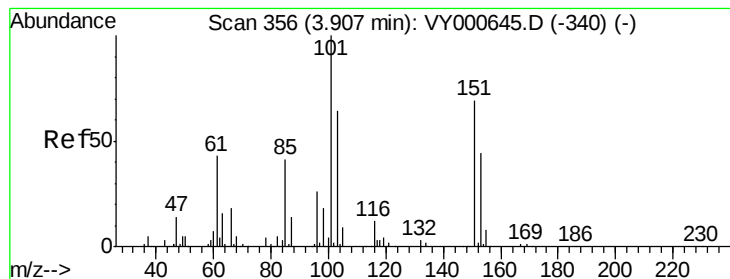
Tgt Ion: 101 Resp: 232824

Ion Ratio Lower Upper

101 100

103 65.4 45.8 85.0





#11

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

Concen: 27.321 ug/L

RT: 3.91 min Scan# 356

Delta R.T. 0.00 min

Lab File: VY000645.D

Acq: 12 Nov 2019 10:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02580

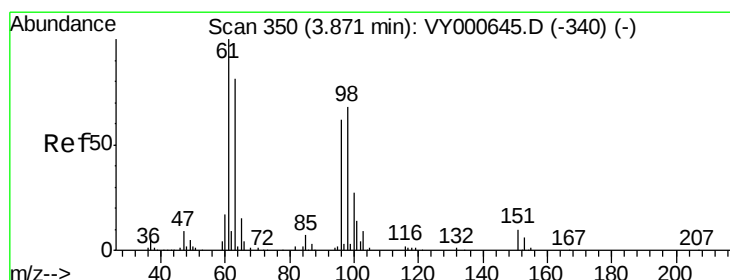
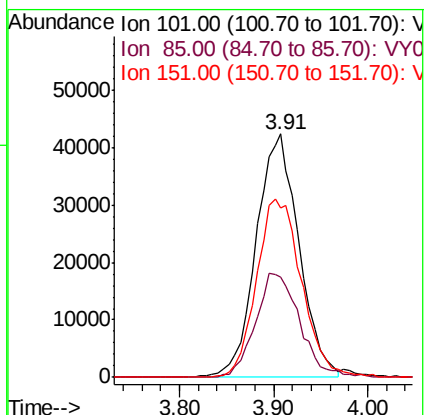
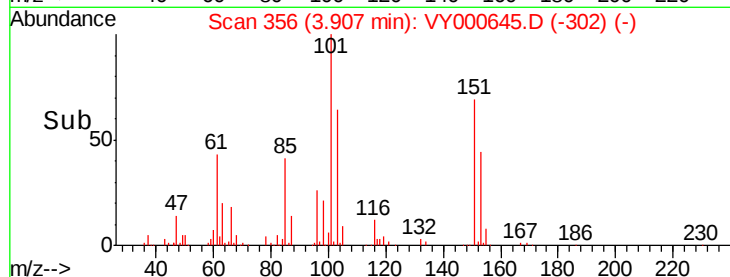
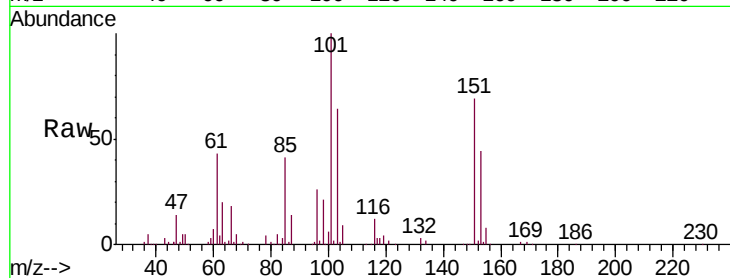
Tgt Ion:101 Resp: 134563

Ion Ratio Lower Upper

101 100

85 44.1 35.3 52.9

151 77.4 61.9 92.9



#12

1,1-Dichloroethene

Concen: 26.792 ug/L

RT: 3.87 min Scan# 350

Delta R.T. 0.00 min

Lab File: VY000645.D

Acq: 12 Nov 2019 10:11

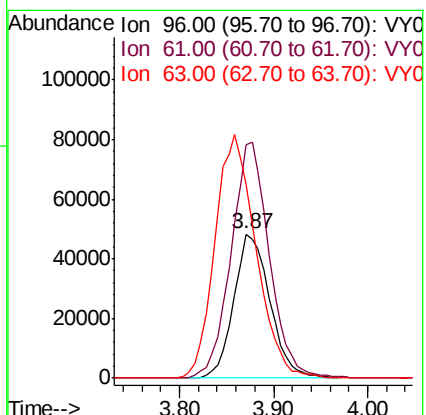
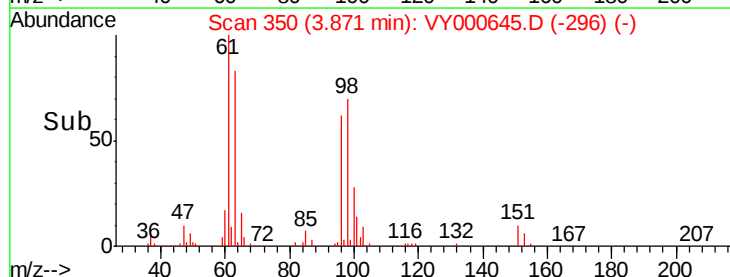
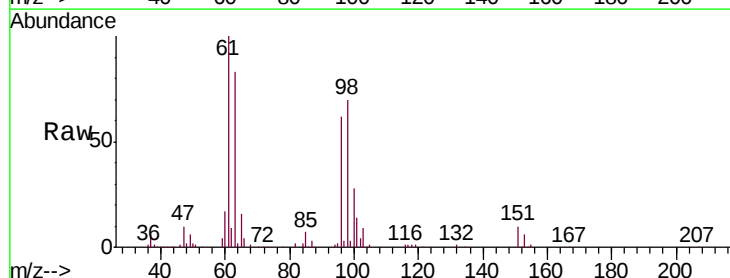
Tgt Ion: 96 Resp: 128805

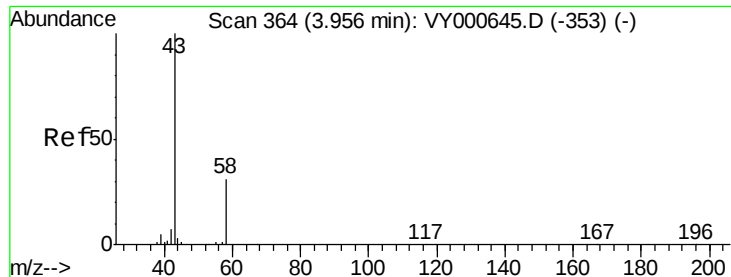
Ion Ratio Lower Upper

96 100

61 162.2 113.5 210.9

63 134.7 94.3 175.1





#13

Acetone

Concen: 46.530 ug/L

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY000645.D

Acq: 12 Nov 2019 10:11

Instrument :

MSVOA_Y

ClientSampleId :

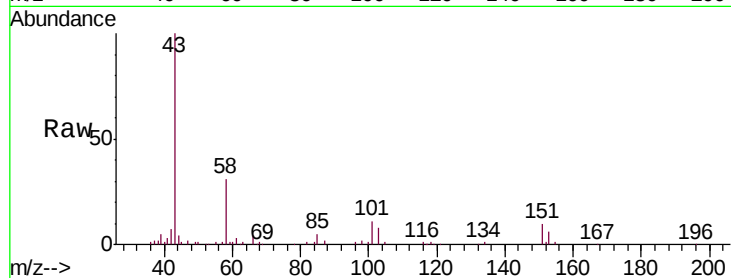
VSTD02580

Tgt Ion: 43 Resp: 74490

Ion Ratio Lower Upper

43 100

58 32.4 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

30000

25000

20000

15000

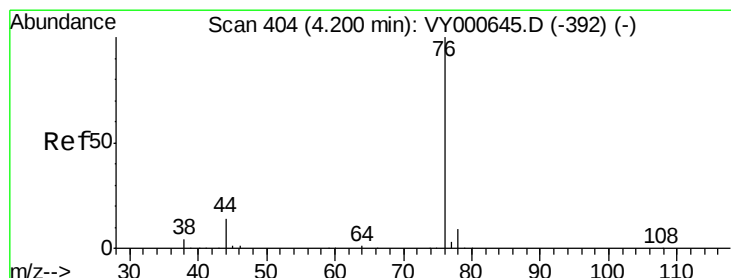
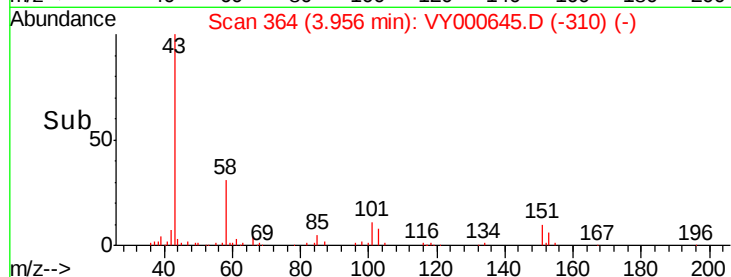
10000

5000

0

3.85 3.90 3.95 4.00 4.05

Time-->



#14

Carbon disulfide

Concen: 27.533 ug/L

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY000645.D

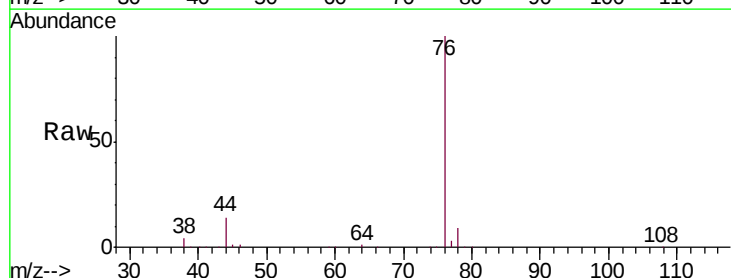
Acq: 12 Nov 2019 10:11

Tgt Ion: 76 Resp: 408437

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

4.20

150000

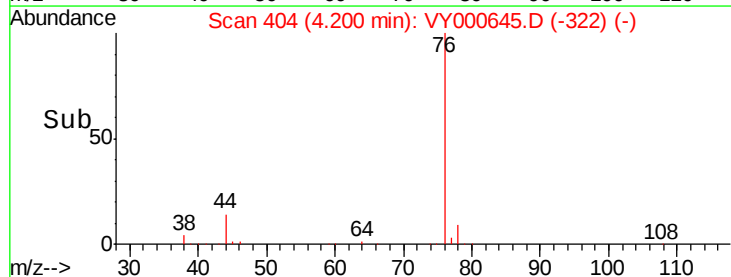
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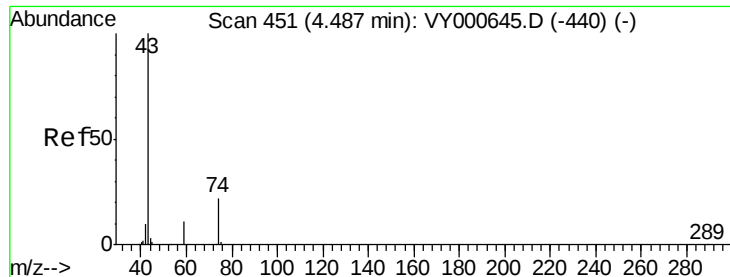
50000

0

4.10 4.20 4.30

Time-->

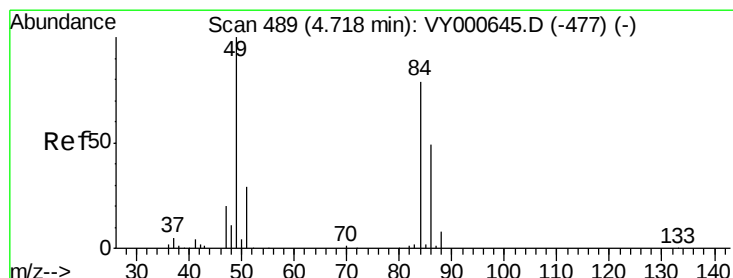
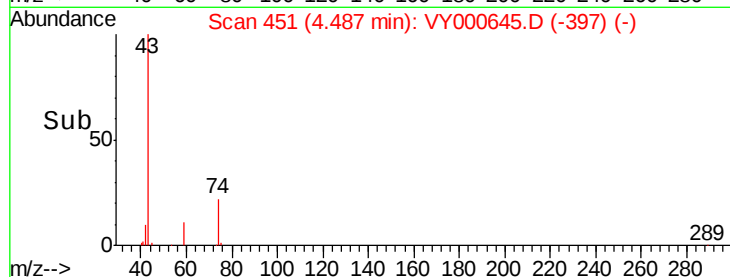
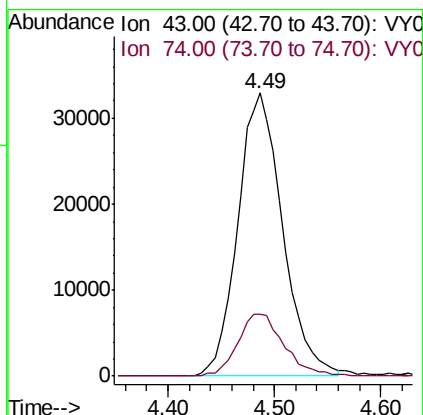
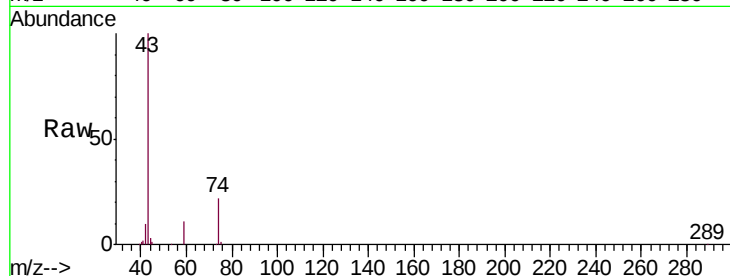




#15
Methyl Acetate
Concen: 26.781 ug/L
RT: 4.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: VY000645.D
Acq: 12 Nov 2019 10:11

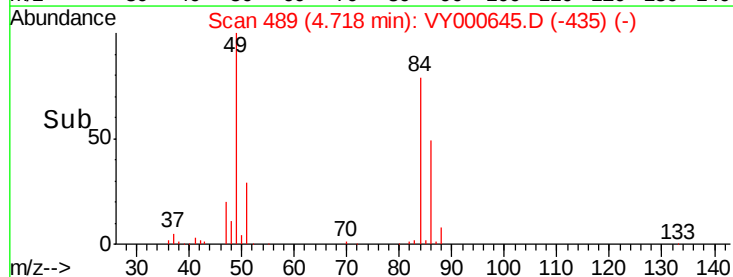
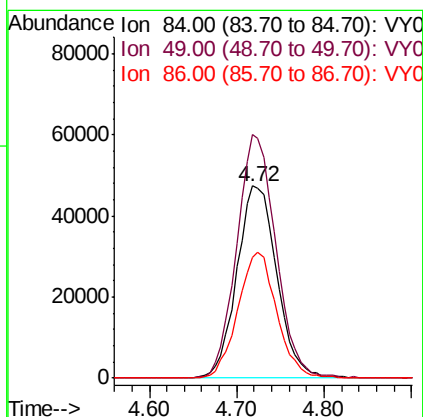
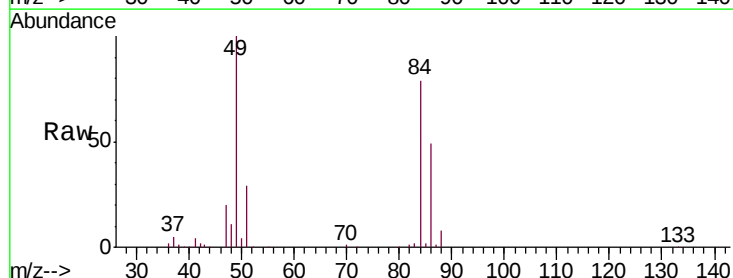
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02580

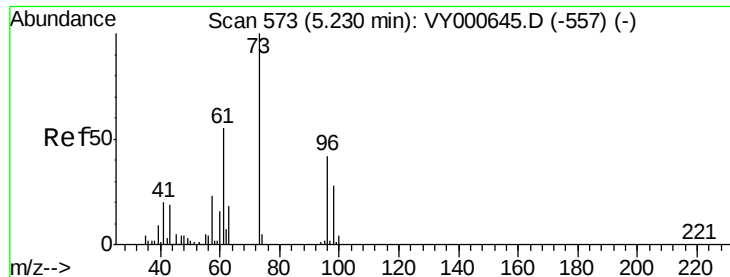
Tgt Ion: 43 Resp: 97000
Ion Ratio Lower Upper
43 100
74 22.6 18.1 27.1



#16
Methylene chloride
Concen: 24.627 ug/L
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY000645.D
Acq: 12 Nov 2019 10:11

Tgt Ion: 84 Resp: 150753
Ion Ratio Lower Upper
84 100
49 126.9 88.8 165.0
86 62.7 43.9 81.5

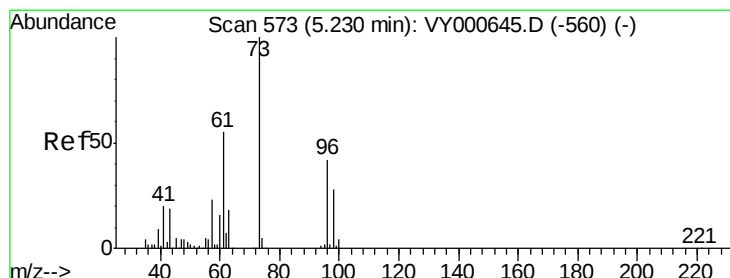
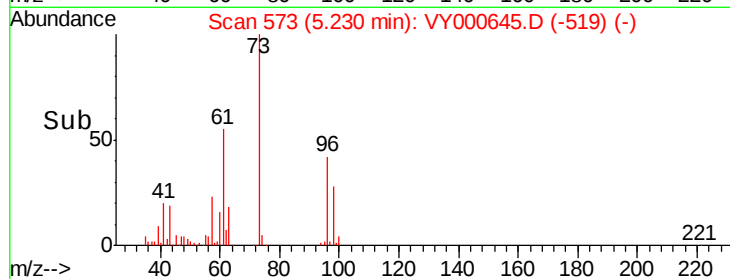
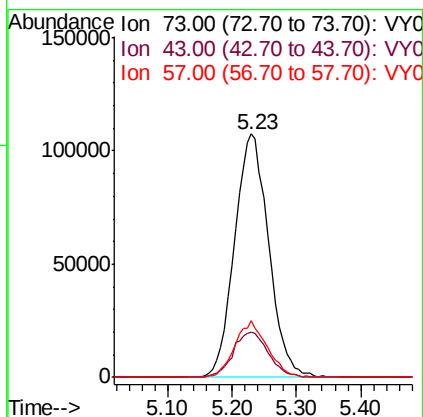
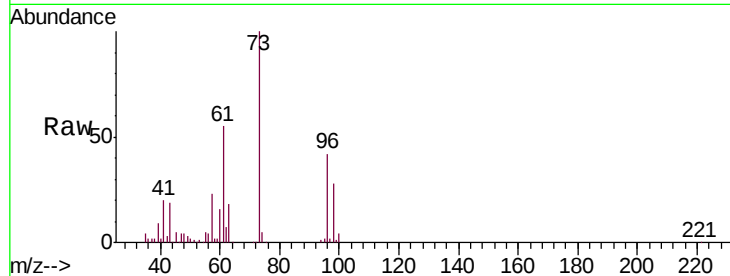




#17
Methyl tert-butyl Ether
Concen: 26.951 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY000645.D
Acq: 12 Nov 2019 10:11

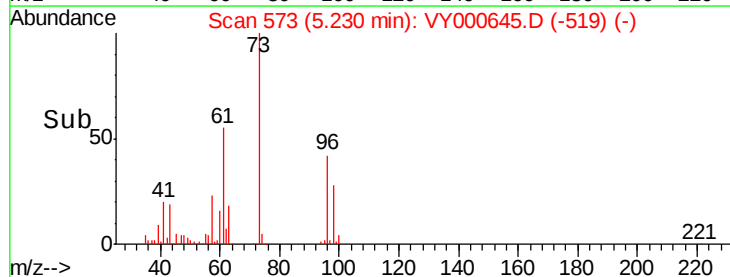
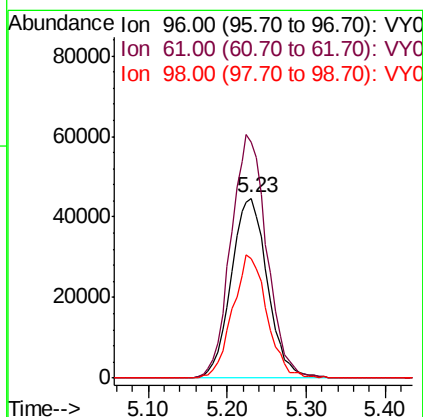
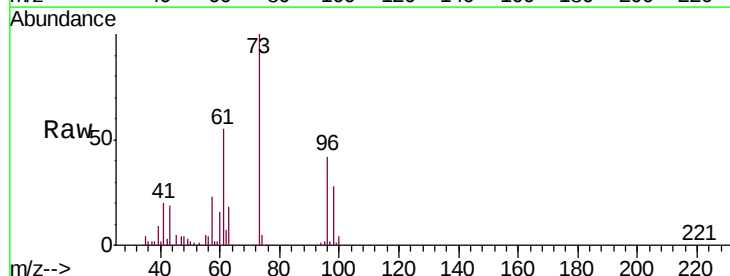
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02580

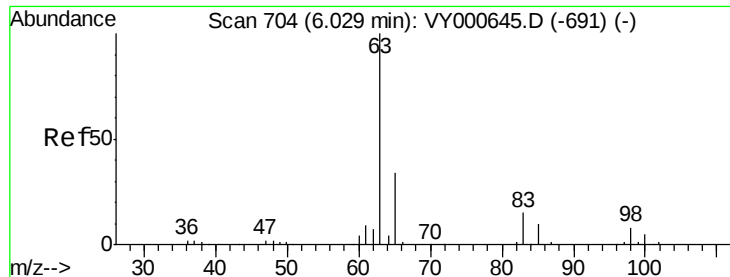
Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.2	15.4	23.0
57	21.9	17.5	26.3



#18
trans-1,2-Dichloroethene
Concen: 26.723 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY000645.D
Acq: 12 Nov 2019 10:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.1	91.8	170.4
98	66.1	46.3	85.9

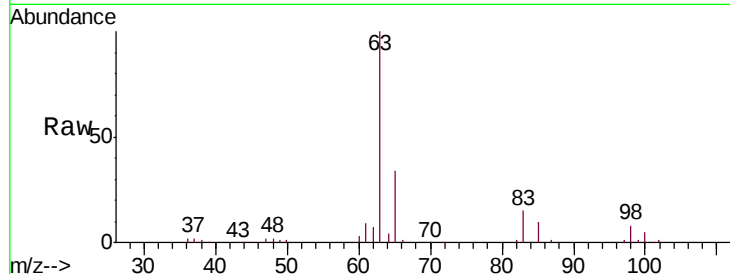




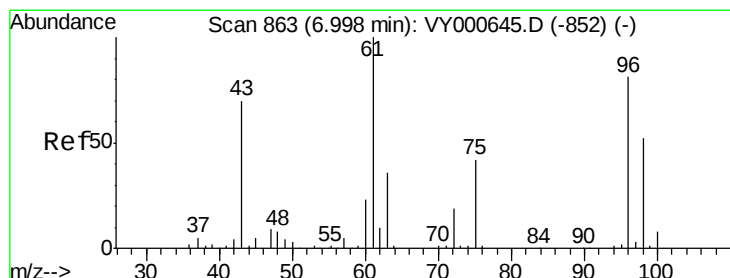
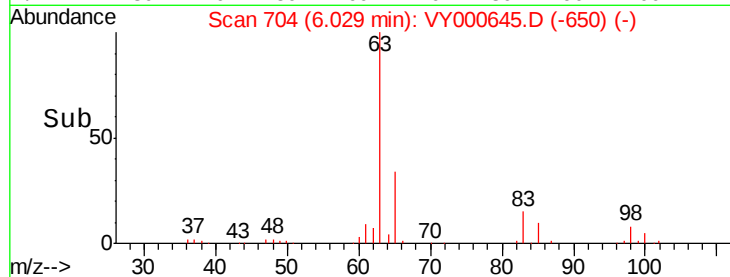
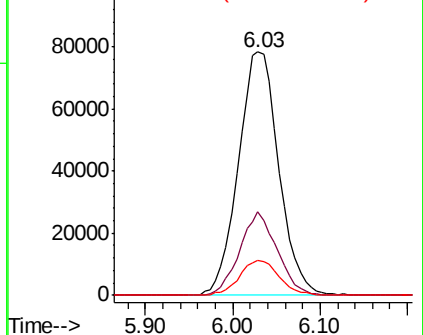
#19
 1,1-Dichloroethane
 Concen: 26.560 ug/L
 RT: 6.03 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VY000645.D
 Acq: 12 Nov 2019 10:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02580

Tgt Ion: 63 Resp: 250971
 Ion Ratio Lower Upper
 63 100
 65 34.2 23.9 44.5
 83 14.5 10.1 18.9

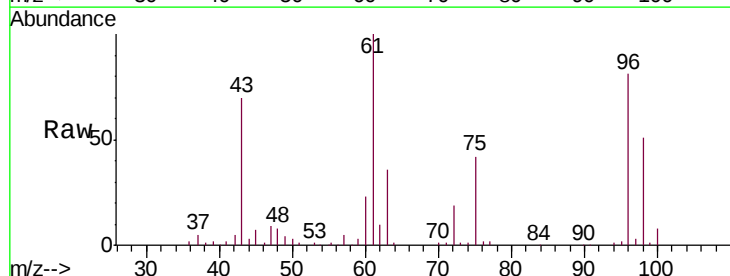


Abundance Ion 63.00 (62.70 to 63.70): VY0
 Ion 65.00 (64.70 to 65.70): VY0
 Ion 83.00 (82.70 to 83.70): VY0

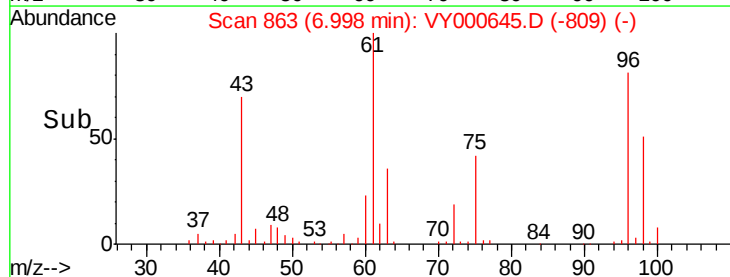
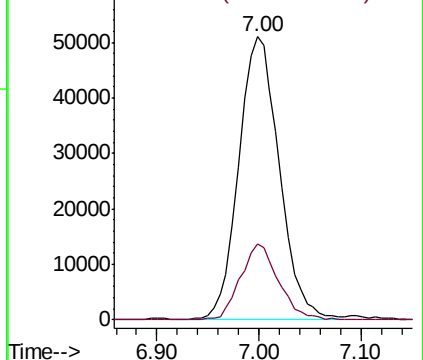


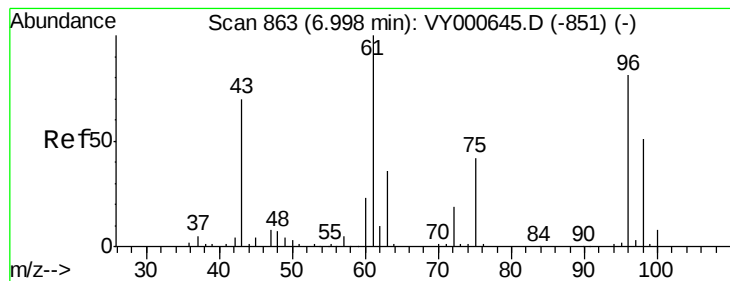
#21
 2-Butanone
 Concen: 50.653 ug/L
 RT: 7.00 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VY000645.D
 Acq: 12 Nov 2019 10:11

Tgt Ion: 43 Resp: 141084
 Ion Ratio Lower Upper
 43 100
 72 25.2 12.6 37.8



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



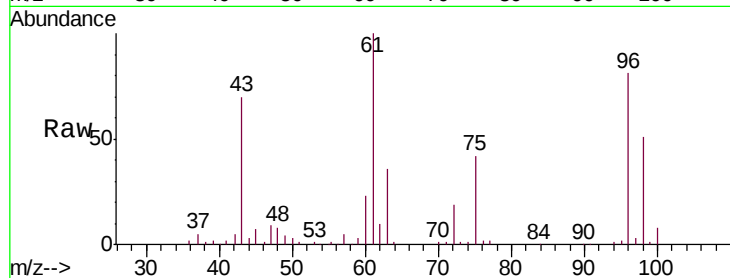


#22

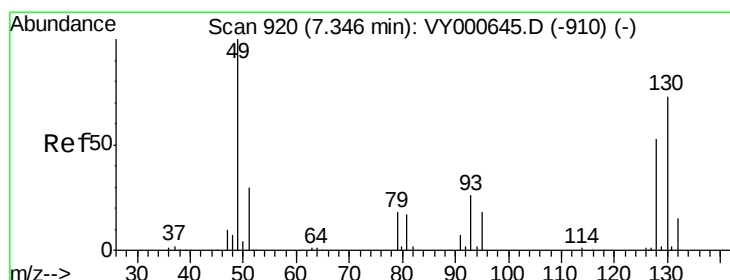
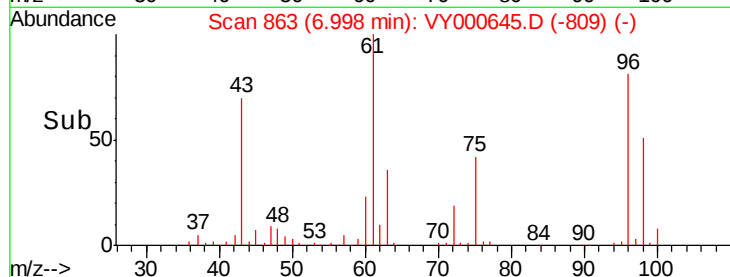
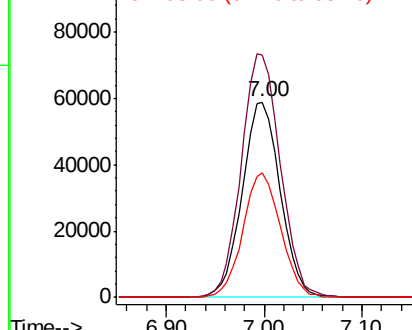
cis-1,2-Dichloroethene
Concen: 26.756 ug/L
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY000645.D
Acq: 12 Nov 2019 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTD02580

Tgt Ion: 96 Resp: 158900
Ion Ratio Lower Upper
96 100
61 124.0 86.8 161.2
98 63.7 44.6 82.8



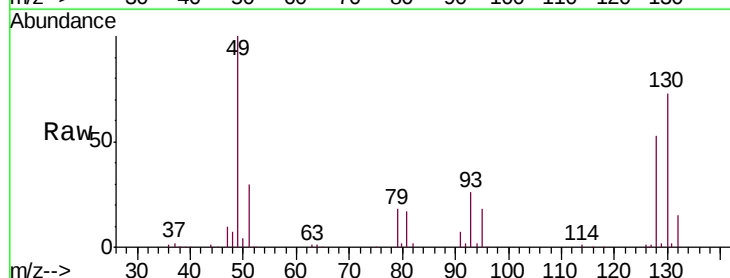
Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 98.00 (97.70 to 98.70): VY0



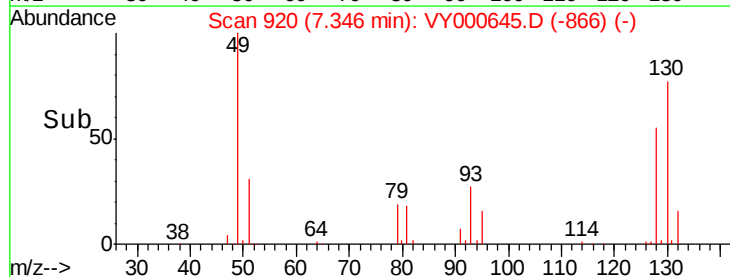
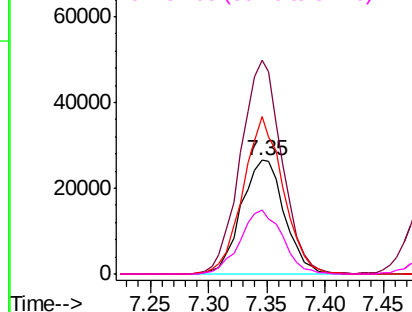
#23

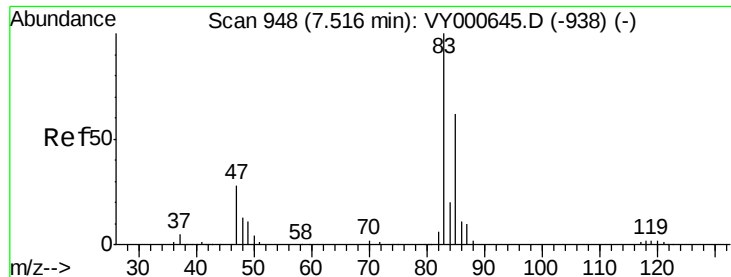
Bromochloromethane
Concen: 26.500 ug/L
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY000645.D
Acq: 12 Nov 2019 10:11

Tgt Ion: 128 Resp: 68719
Ion Ratio Lower Upper
128 100
49 187.9 131.5 244.3
130 138.1 96.7 179.5
51 56.6 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

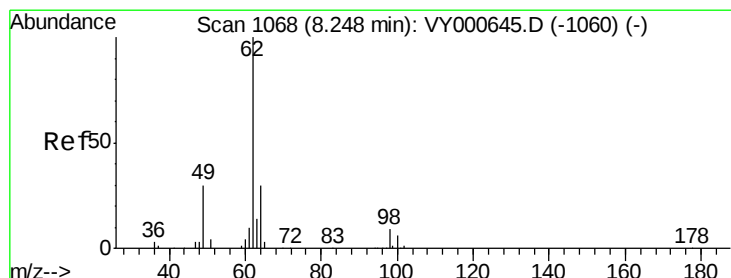
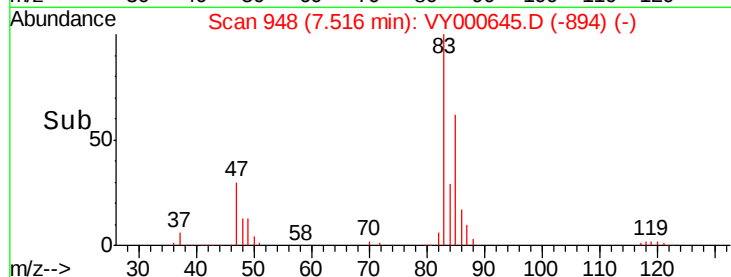
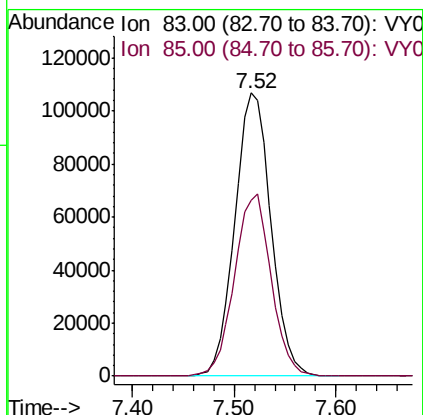
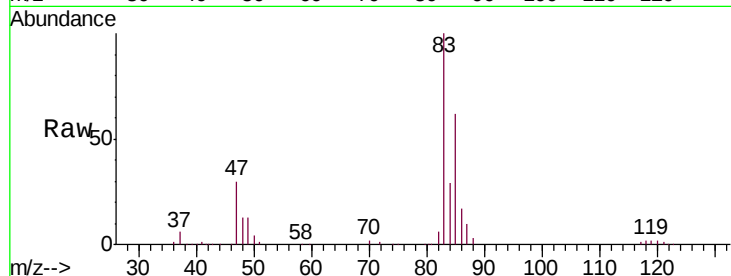




#25
Chloroform
Concen: 25.827 ug/L
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY000645.D
Acq: 12 Nov 2019 10:11

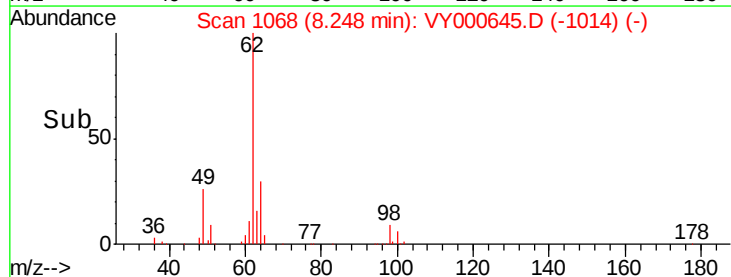
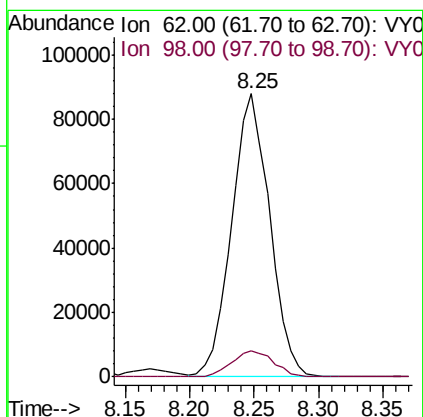
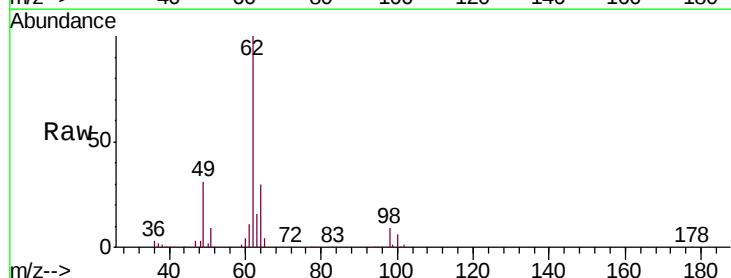
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02580

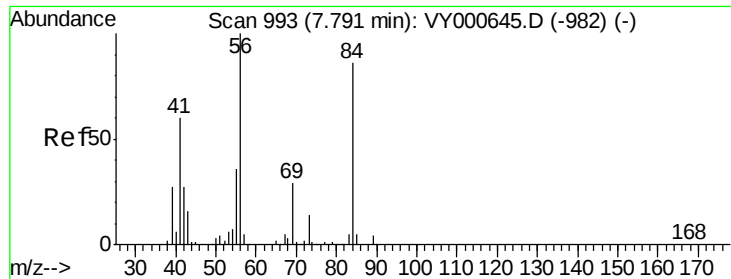
Tgt Ion: 83 Resp: 263024
Ion Ratio Lower Upper
83 100
85 65.1 45.6 84.6



#27
1,2-Dichloroethane
Concen: 26.534 ug/L
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY000645.D
Acq: 12 Nov 2019 10:11

Tgt Ion: 62 Resp: 180646
Ion Ratio Lower Upper
62 100
98 9.4 7.5 11.3

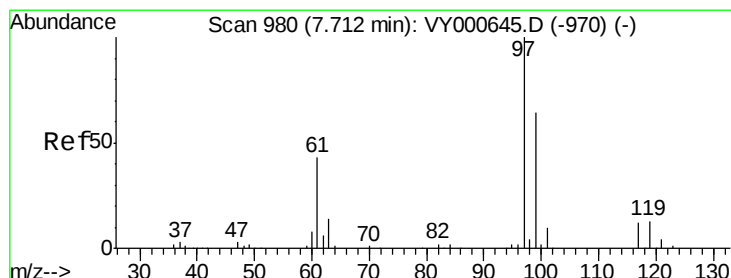
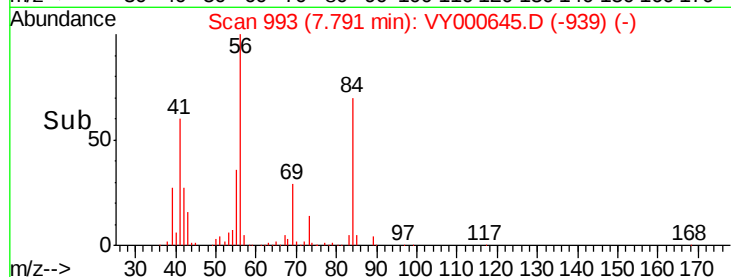
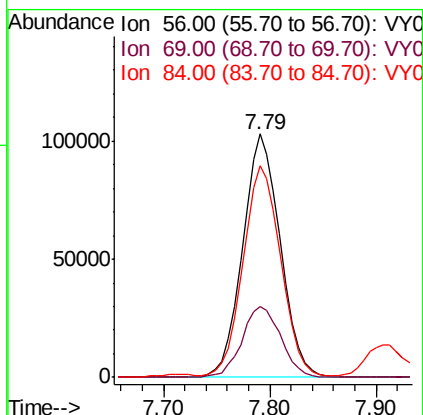
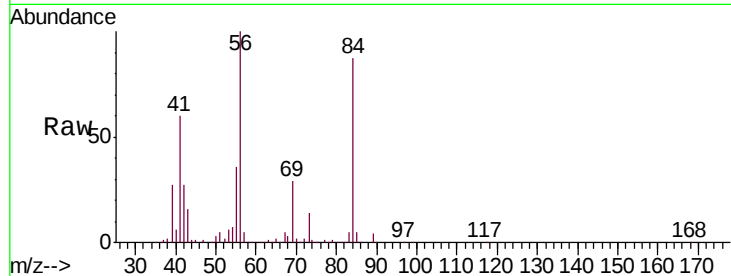




#30
Cyclohexane
Concen: 27.240 ug/L
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY000645.D
Acq: 12 Nov 2019 10:11

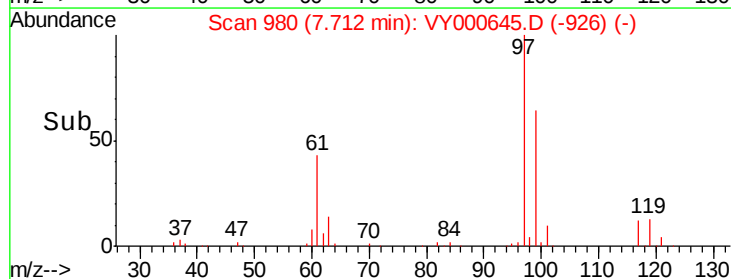
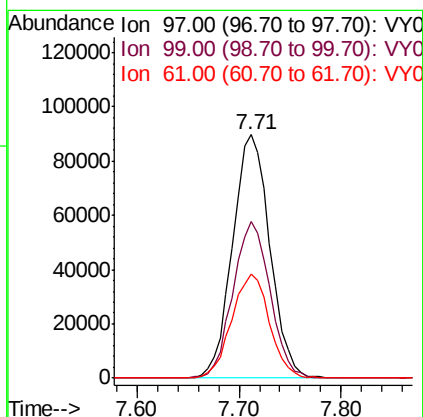
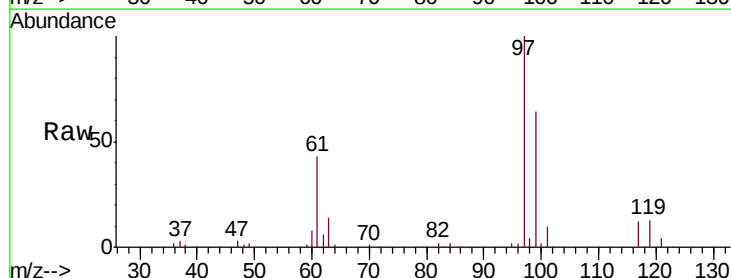
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02580

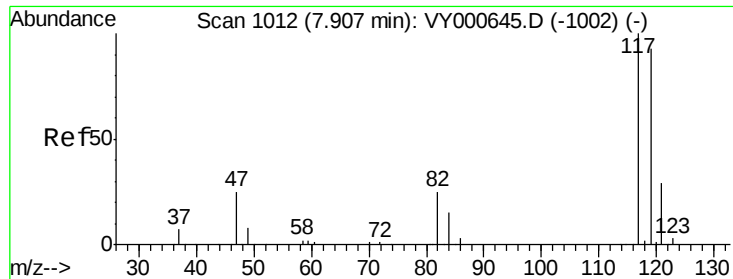
Tgt Ion: 56 Resp: 254582
Ion Ratio Lower Upper
56 100
69 30.1 24.1 36.1
84 87.8 70.2 105.4



#31
1,1,1-Trichloroethane
Concen: 26.900 ug/L
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY000645.D
Acq: 12 Nov 2019 10:11

Tgt Ion: 97 Resp: 226972
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.0
61 43.4 34.7 52.1





#32

Carbon tetrachloride

Concen: 27.395 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VY000645.D

Acq: 12 Nov 2019 10:11

Instrument :

MSVOA_Y

ClientSampleId :

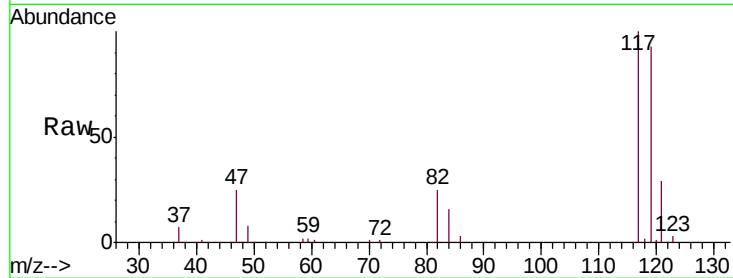
VSTD02580

Tgt Ion:117 Resp: 201471

Ion Ratio Lower Upper

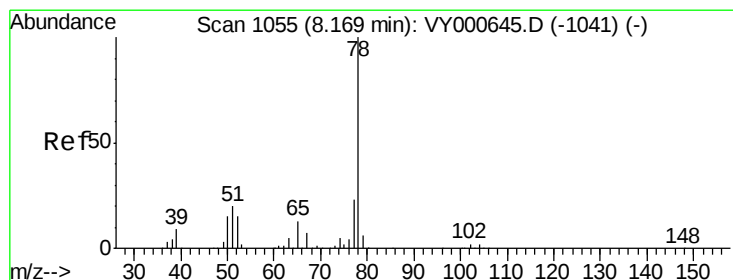
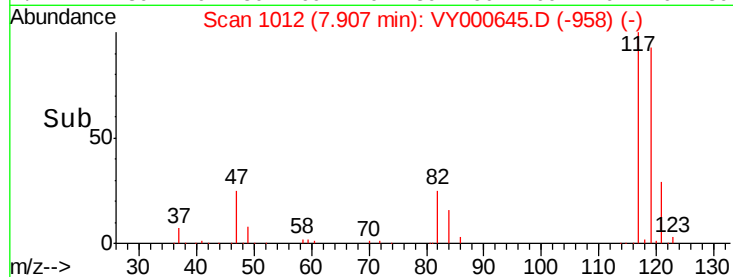
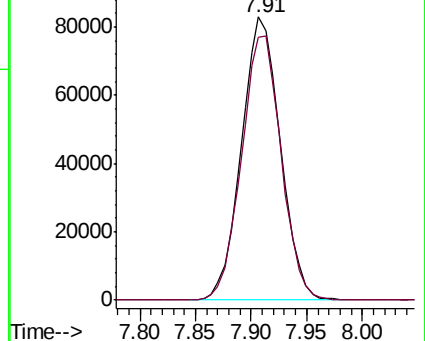
117 100

119 95.2 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: 26.474 ug/L

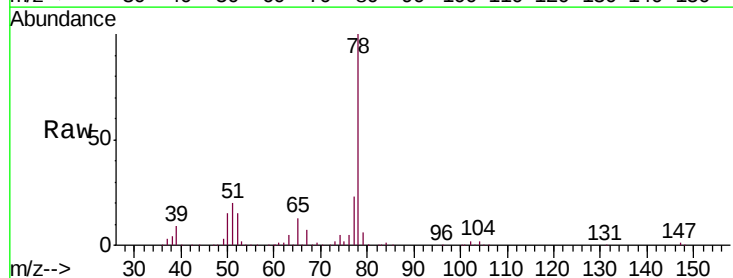
RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

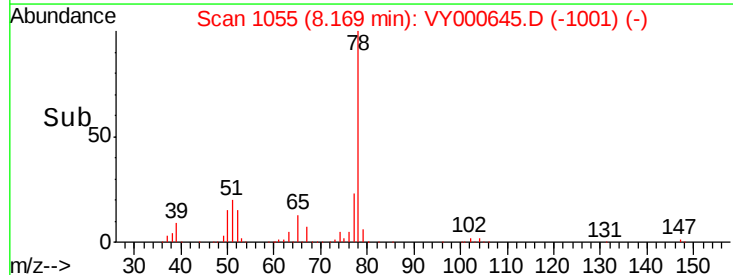
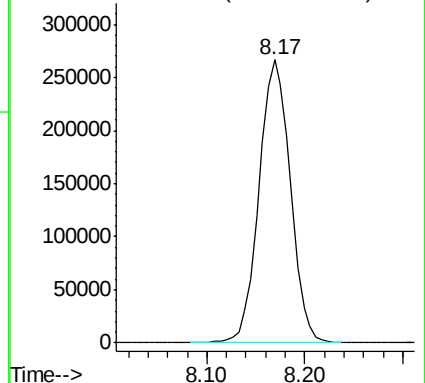
Lab File: VY000645.D

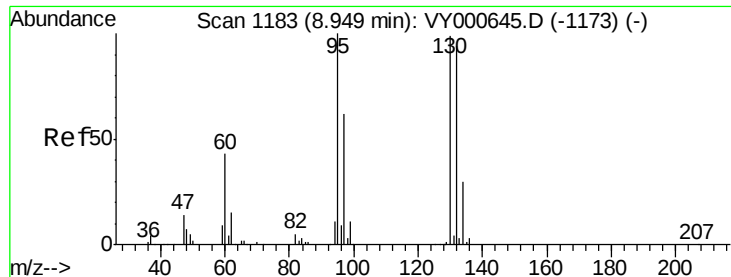
Acq: 12 Nov 2019 10:11

Tgt Ion: 78 Resp: 592799



Abundance Ion 78.00 (77.70 to 78.70): VY0





#35

Trichloroethene

Concen: 26.917 ug/L

RT: 8.95 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VY000645.D

Acq: 12 Nov 2019 10:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02580

Tgt Ion: 95 Resp: 158040

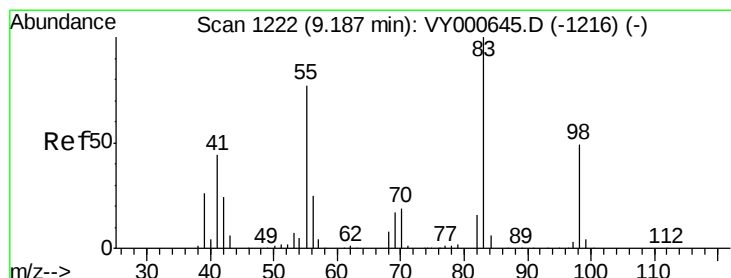
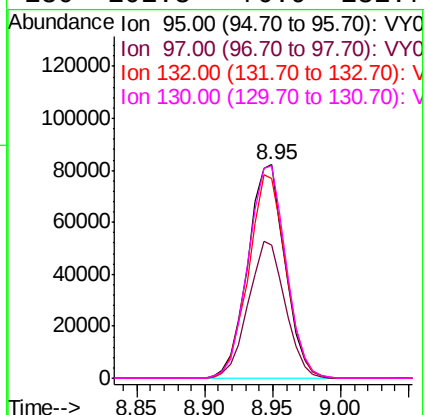
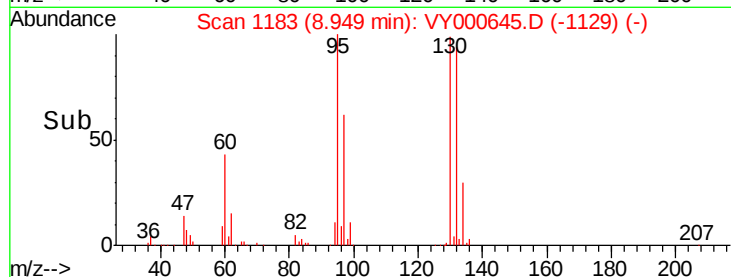
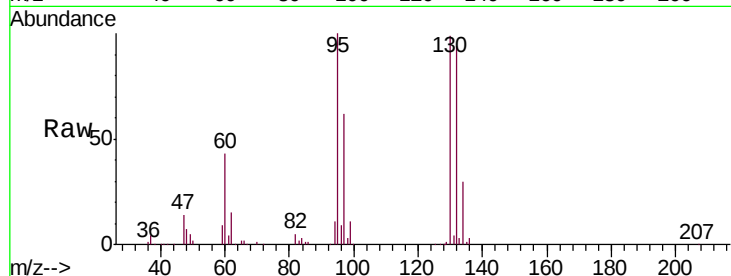
Ion Ratio Lower Upper

95 100

97 63.4 44.4 82.4

132 95.4 66.8 124.0

130 101.3 70.9 131.7



#36

Methylcyclohexane

Concen: 27.018 ug/L

RT: 9.19 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VY000645.D

Acq: 12 Nov 2019 10:11

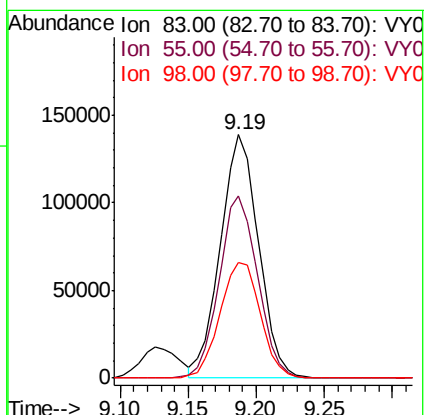
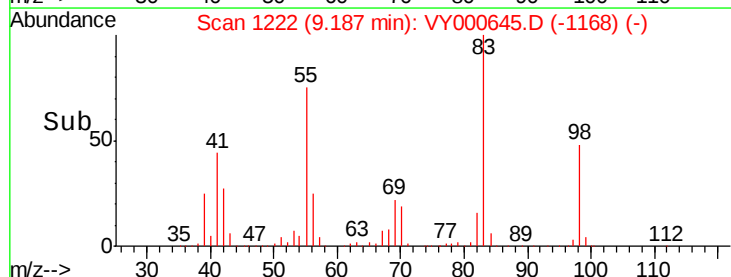
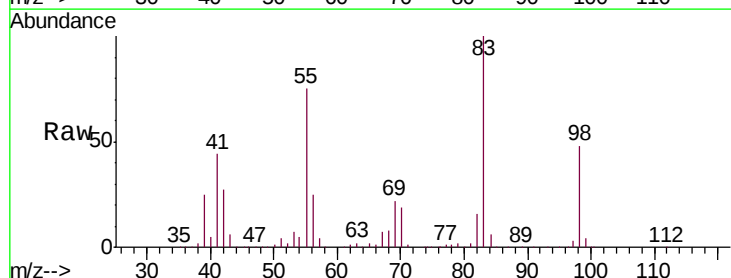
Tgt Ion: 83 Resp: 271510

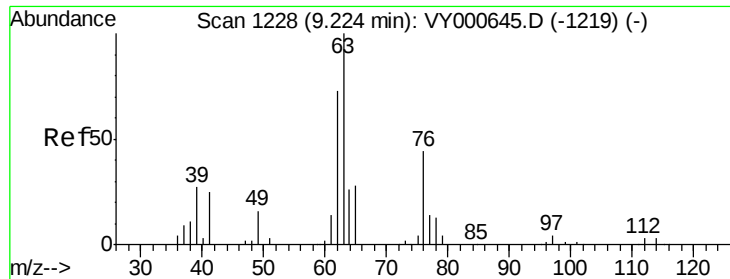
Ion Ratio Lower Upper

83 100

55 75.0 60.0 90.0

98 50.2 40.2 60.2

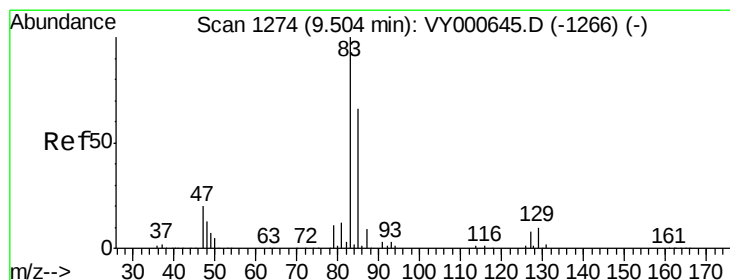
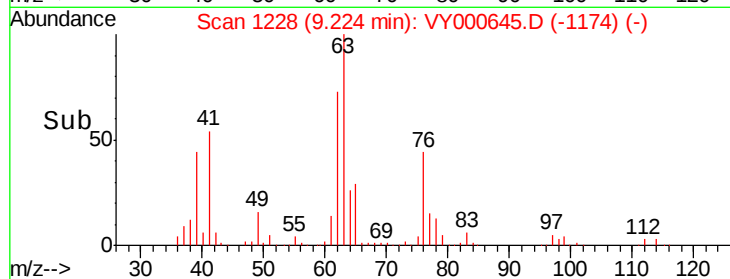
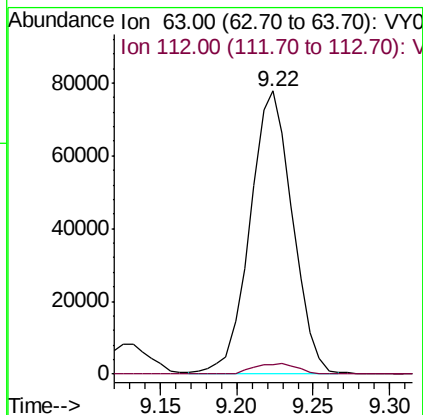
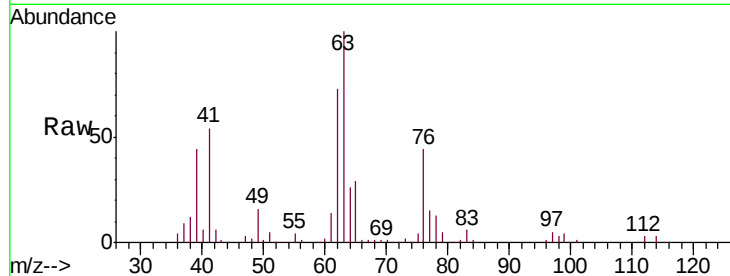




#40
 1,2-Dichloropropane
 Concen: 26.504 ug/L
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY000645.D
 Acq: 12 Nov 2019 10:11

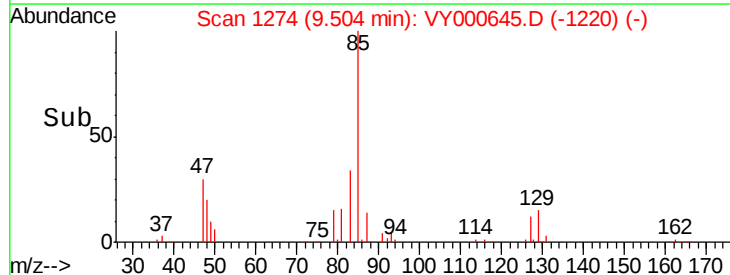
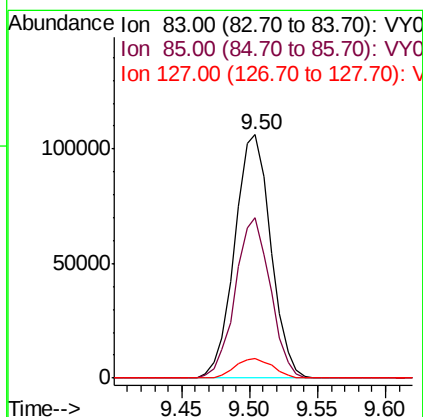
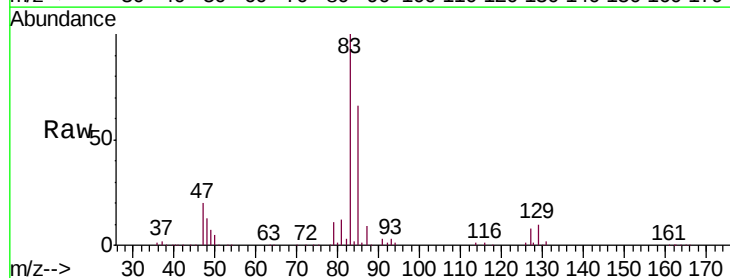
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02580

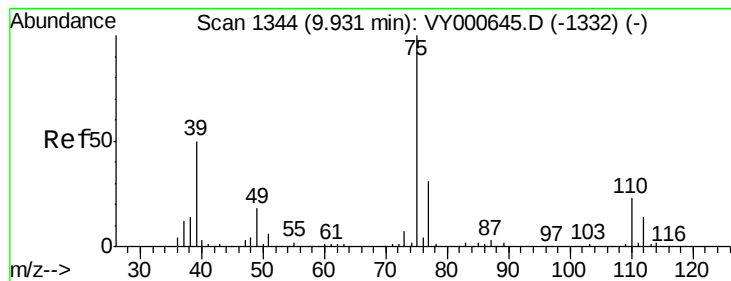
Tgt Ion: 63 Resp: 150396
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.2 4.8



#41
 Bromodichloromethane
 Concen: 26.999 ug/L
 RT: 9.50 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VY000645.D
 Acq: 12 Nov 2019 10:11

Tgt Ion: 83 Resp: 197130
 Ion Ratio Lower Upper
 83 100
 85 65.8 46.1 85.5
 127 8.1 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 27.264 ug/L

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY000645.D

Acq: 12 Nov 2019 10:11

Instrument :

MSVOA_Y

ClientSampleId :

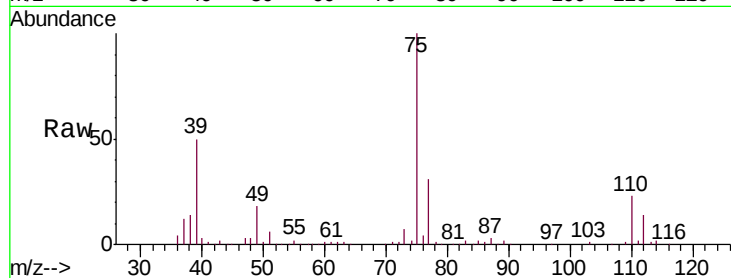
VSTD02580

Tgt Ion: 75 Resp: 249230

Ion Ratio Lower Upper

75 100

77 31.0 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

150000

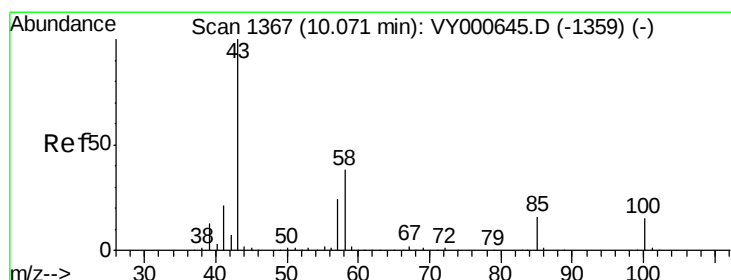
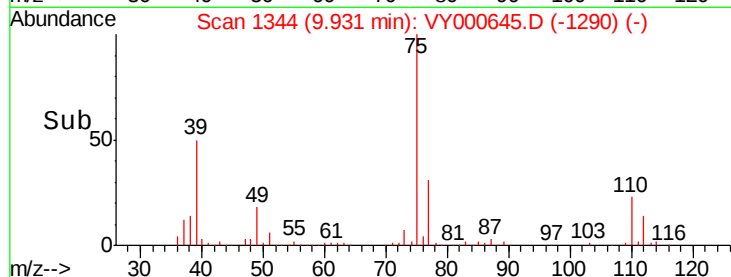
100000

50000

0

9.80 9.90 10.00

Time-->



#43

4-Methyl-2-pentanone

Concen: 54.896 ug/L

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY000645.D

Acq: 12 Nov 2019 10:11

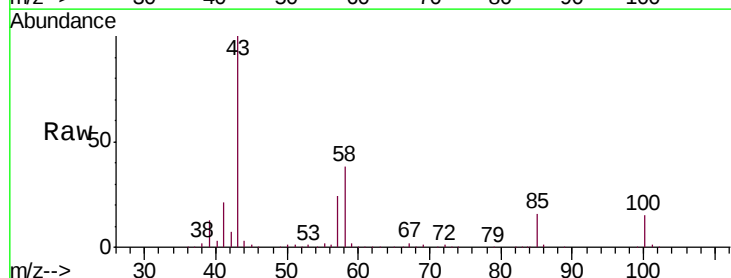
Tgt Ion: 43 Resp: 297926

Ion Ratio Lower Upper

43 100

58 38.2 30.6 45.8

100 15.0 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

250000

200000

150000

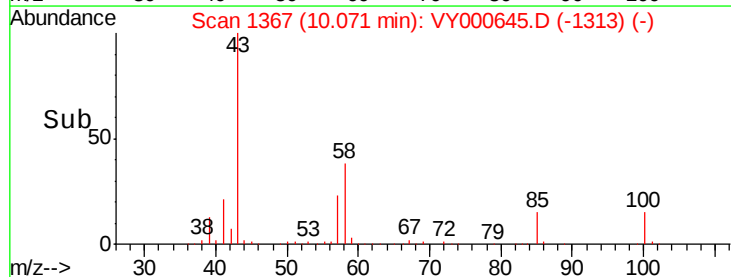
100000

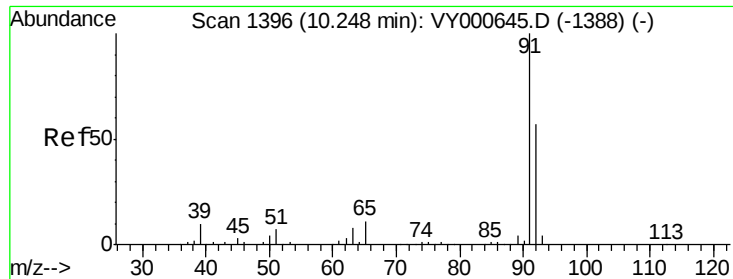
50000

0

10.00 10.10

Time-->





#44

Toluene

Concen: 26.849 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000645.D

Acq: 12 Nov 2019 10:11

Instrument :

MSVOA_Y

ClientSampleId :

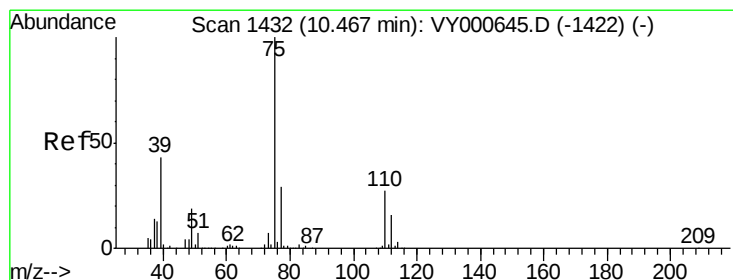
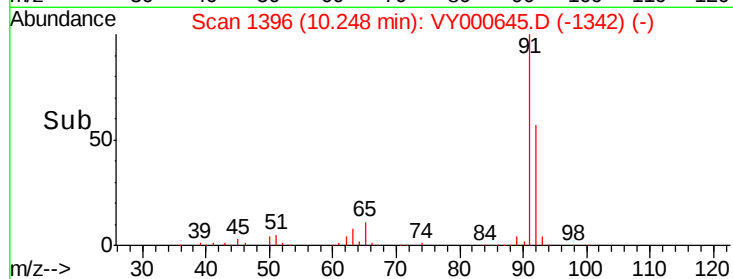
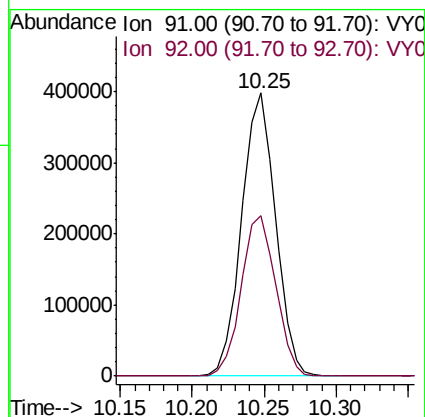
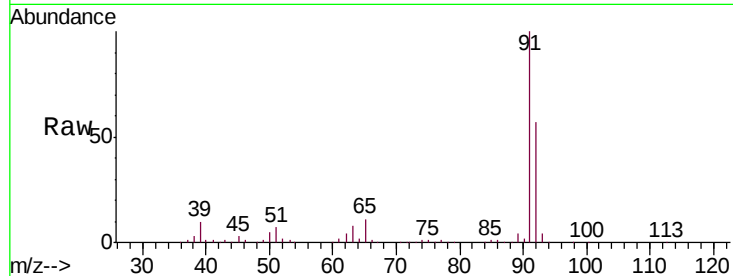
VSTD02580

Tgt Ion: 91 Resp: 649895

Ion Ratio Lower Upper

91 100

92 56.5 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 27.367 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY000645.D

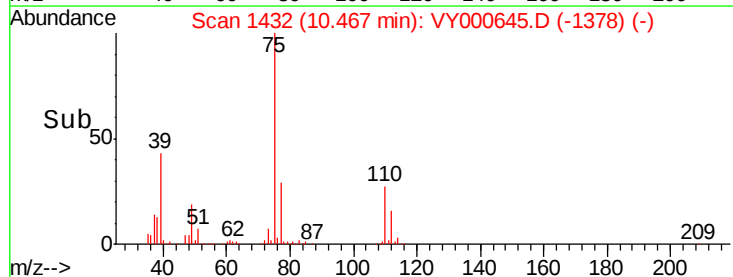
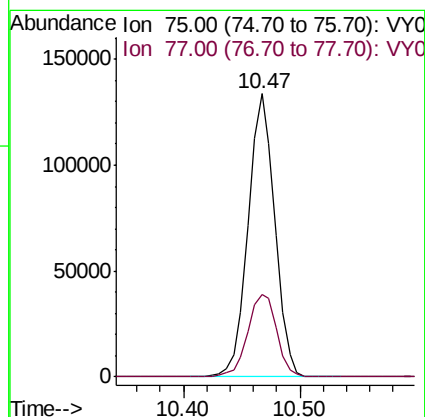
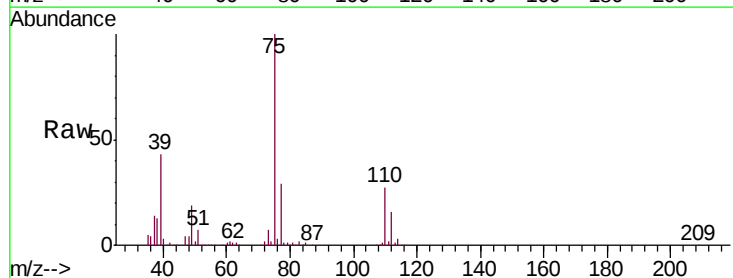
Acq: 12 Nov 2019 10:11

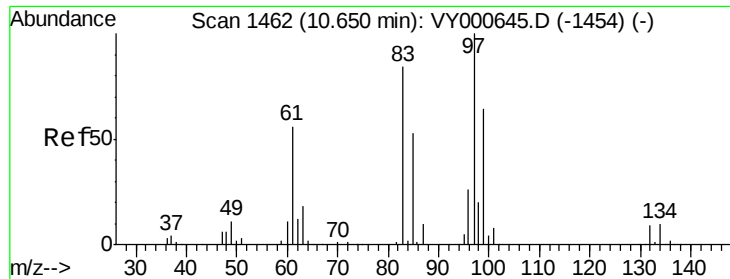
Tgt Ion: 75 Resp: 214927

Ion Ratio Lower Upper

75 100

77 29.1 20.4 37.8

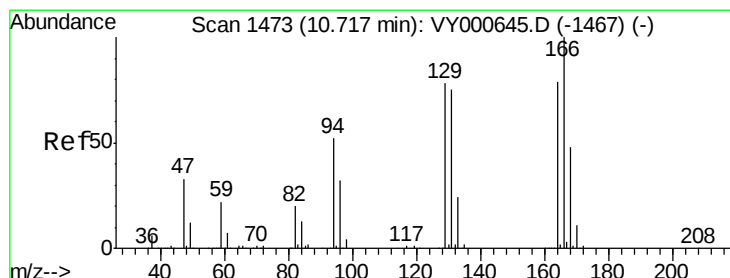
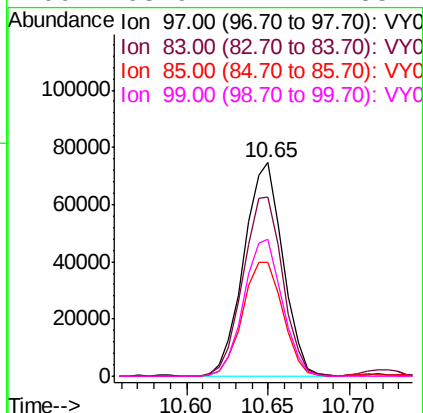
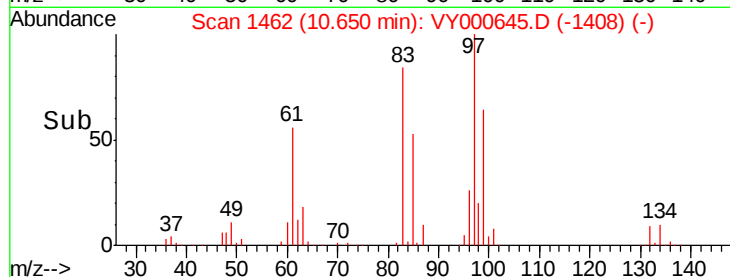
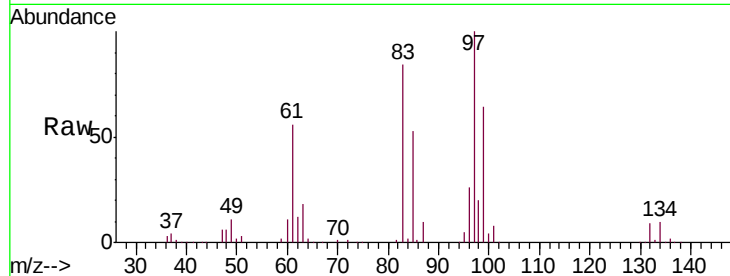




#46
 1,1,2-Trichloroethane
 Concen: 26.756 ug/L
 RT: 10.65 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VY000645.D
 Acq: 12 Nov 2019 10:11

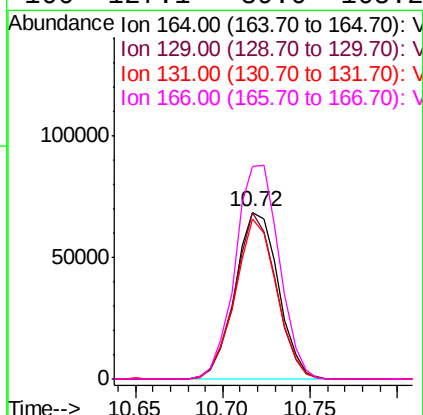
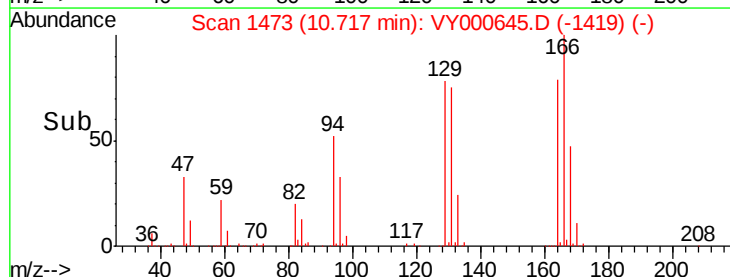
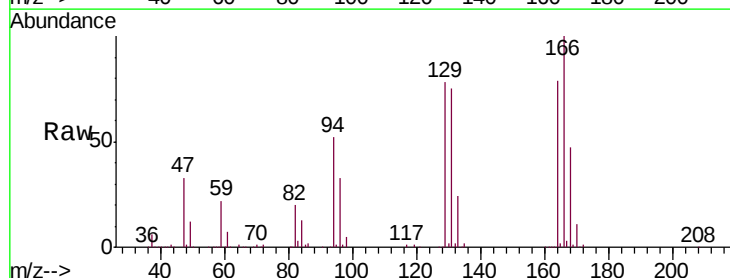
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02580

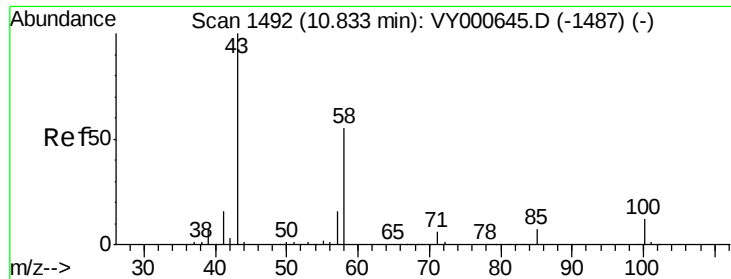
Tgt Ion: 97 Resp: 124538
 Ion Ratio Lower Upper
 97 100
 83 83.9 58.7 109.1
 85 53.3 37.3 69.3
 99 63.9 44.7 83.1



#47
 Tetrachloroethene
 Concen: 26.837 ug/L
 RT: 10.72 min Scan# 1473
 Delta R.T. 0.00 min
 Lab File: VY000645.D
 Acq: 12 Nov 2019 10:11

Tgt Ion: 164 Resp: 117654
 Ion Ratio Lower Upper
 164 100
 129 99.4 69.6 129.2
 131 95.5 66.8 124.2
 166 127.1 89.0 165.2

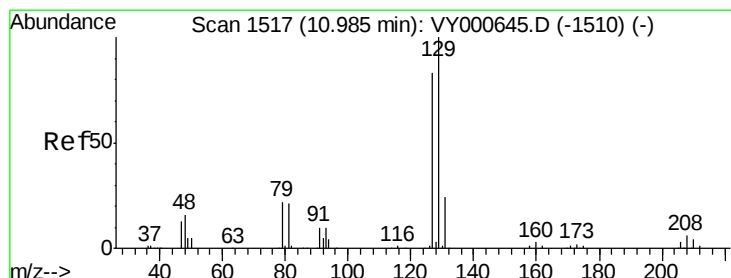
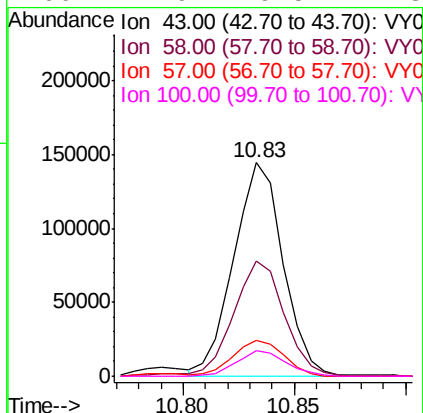
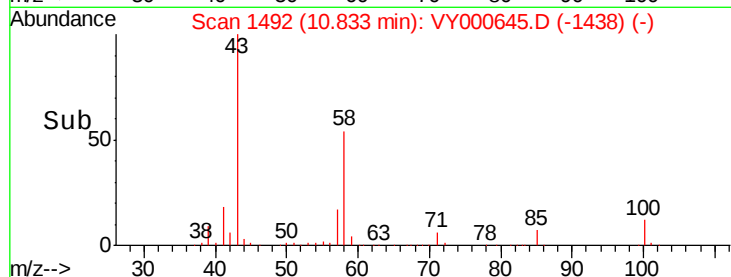
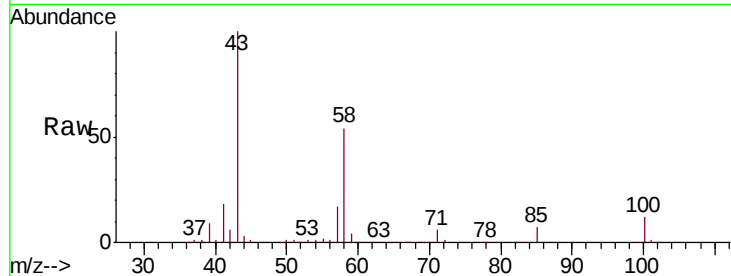




#49
2-Hexanone
Concen: 52.977 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000645.D
Acq: 12 Nov 2019 10:11

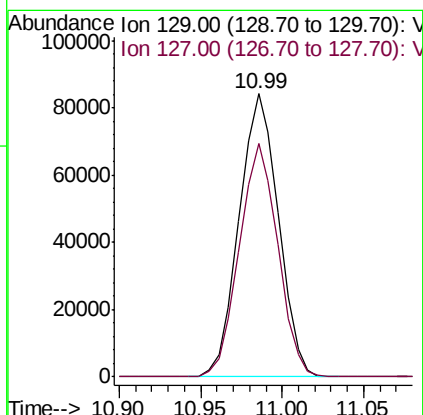
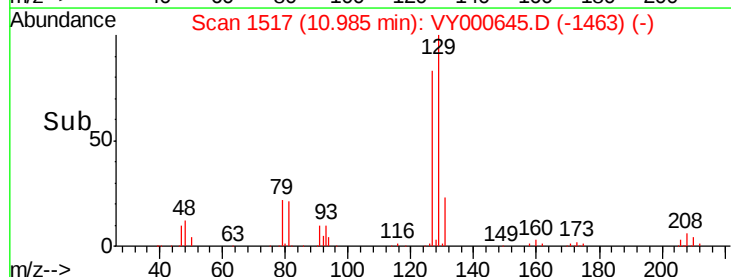
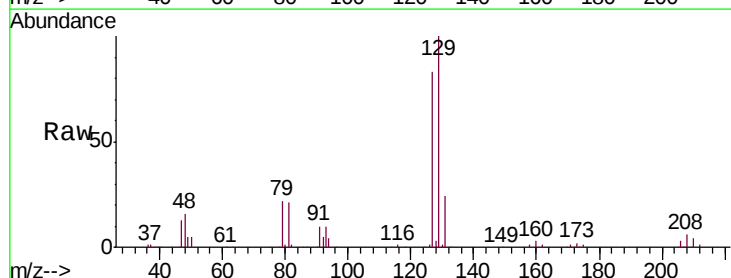
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02580

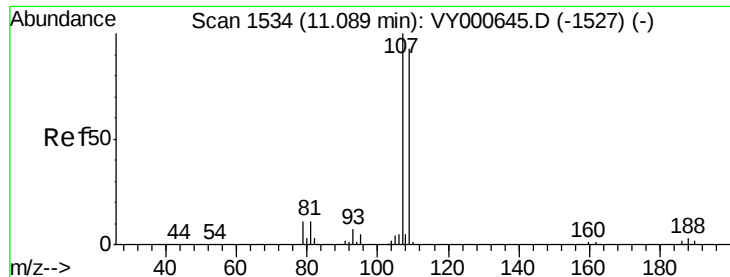
Tgt Ion: 43 Resp: 223932
Ion Ratio Lower Upper
43 100
58 55.1 44.1 66.1
57 17.4 13.9 20.9
100 11.9 9.5 14.3



#50
Dibromochloromethane
Concen: 26.855 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000645.D
Acq: 12 Nov 2019 10:11

Tgt Ion: 129 Resp: 141226
Ion Ratio Lower Upper
129 100
127 82.7 57.9 107.5

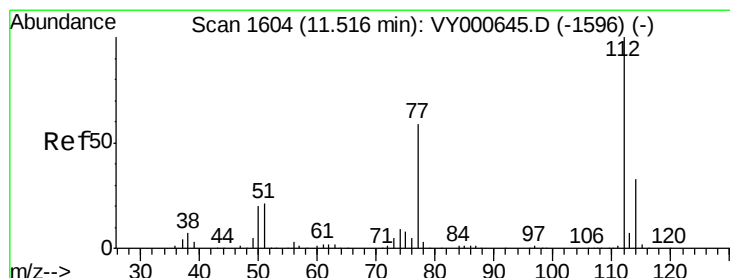
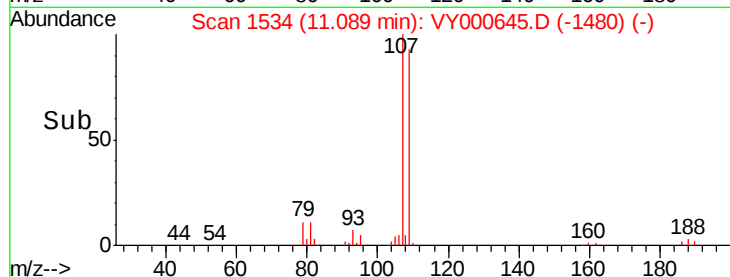
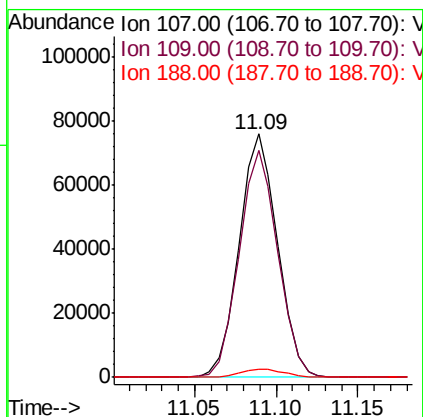
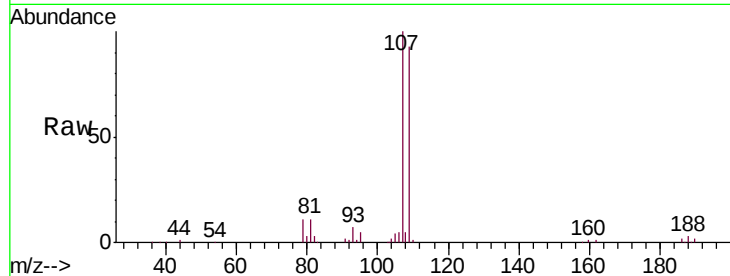




#51
1,2-Dibromoethane
Concen: 27.441 ug/L
RT: 11.09 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VY000645.D
Acq: 12 Nov 2019 10:11

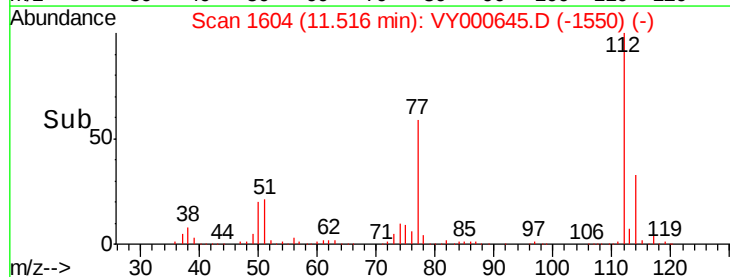
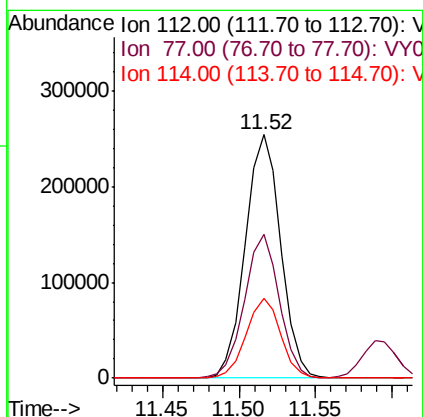
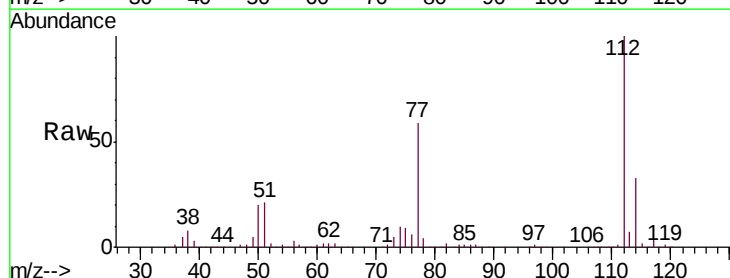
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02580

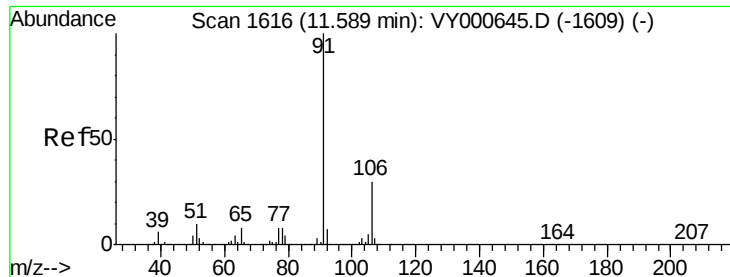
Tgt Ion:107 Resp: 124292
Ion Ratio Lower Upper
107 100
109 93.5 65.5 121.6
188 3.4 2.7 4.1



#52
Chlorobenzene
Concen: 26.622 ug/L
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY000645.D
Acq: 12 Nov 2019 10:11

Tgt Ion:112 Resp: 408949
Ion Ratio Lower Upper
112 100
77 59.2 47.4 71.0
114 32.8 23.0 42.6





#53

Ethylbenzene

Concen: 27.075 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY000645.D

Acq: 12 Nov 2019 10:11

Instrument :

MSVOA_Y

ClientSampleId :

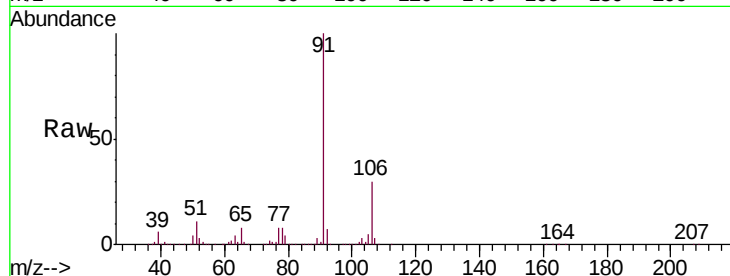
VSTD02580

Tgt Ion: 91 Resp: 741443

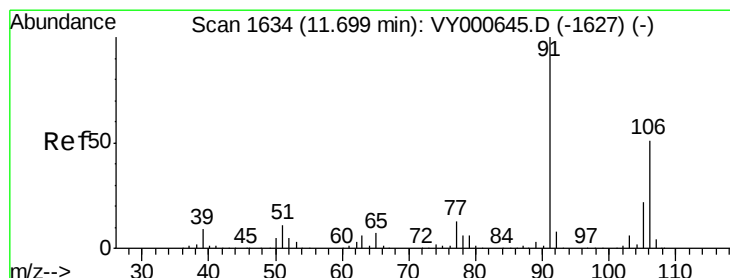
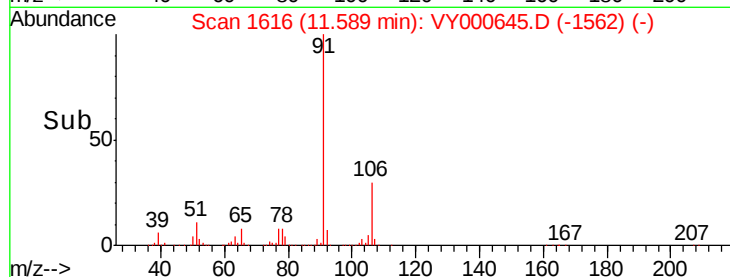
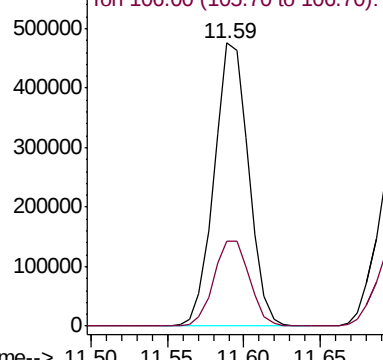
Ion Ratio Lower Upper

91 100

106 29.8 20.9 38.7



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



#54

m,p-Xylene

Concen: 27.541 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY000645.D

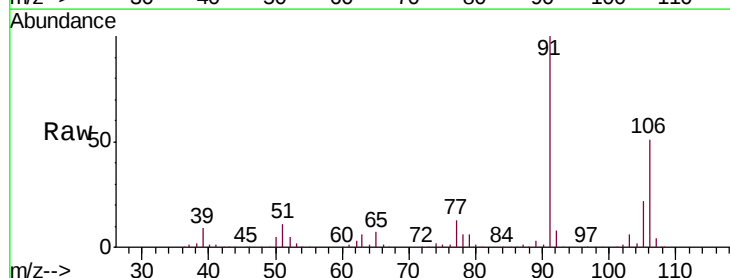
Acq: 12 Nov 2019 10:11

Tgt Ion: 106 Resp: 285419

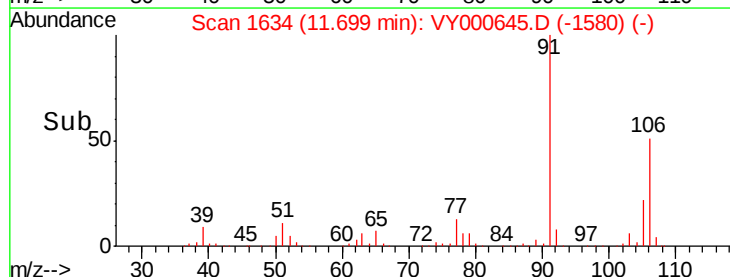
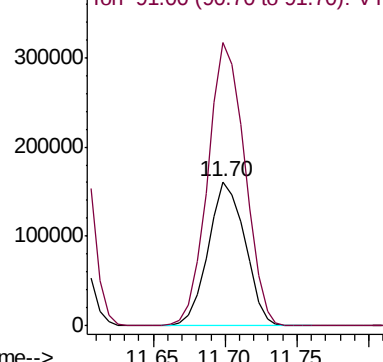
Ion Ratio Lower Upper

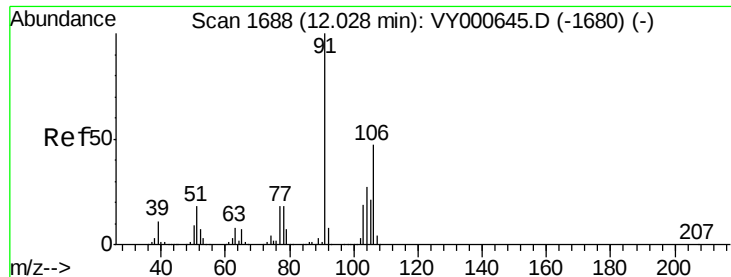
106 100

91 196.3 137.4 255.2



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





#55

o-xylene

Concen: 26.926 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VY000645.D

Acq: 12 Nov 2019 10:11

Instrument :

MSVOA_Y

ClientSampleId :

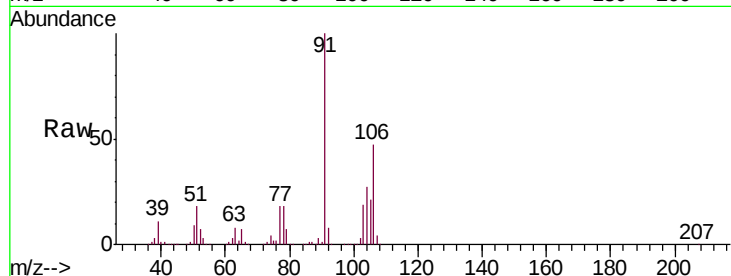
VSTD02580

Tgt Ion:106 Resp: 273895

Ion Ratio Lower Upper

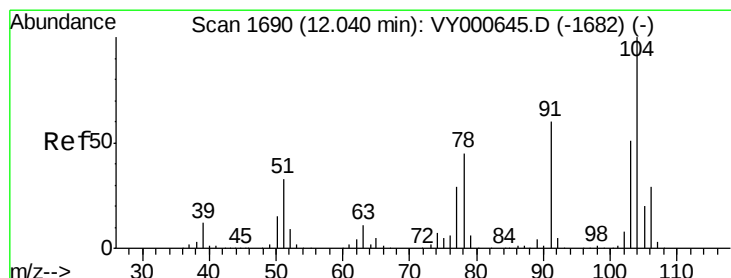
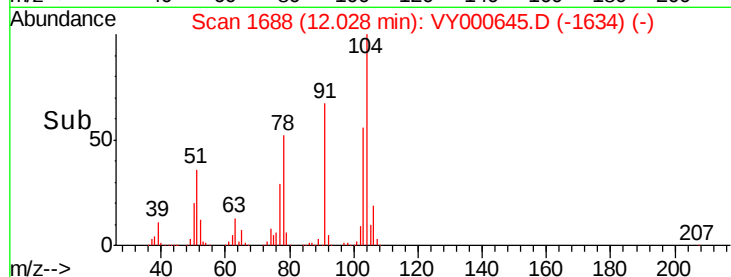
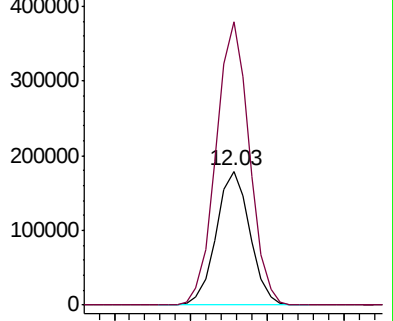
106 100

91 211.2 147.8 274.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 27.640 ug/L

RT: 12.04 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VY000645.D

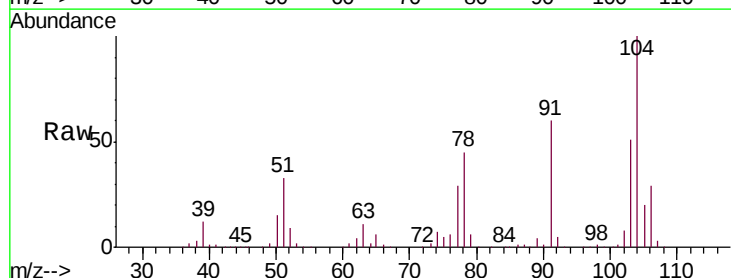
Acq: 12 Nov 2019 10:11

Tgt Ion:104 Resp: 467142

Ion Ratio Lower Upper

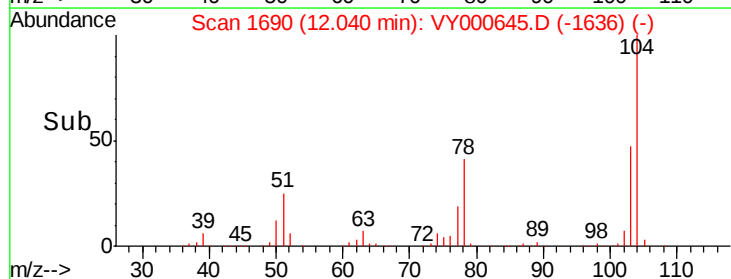
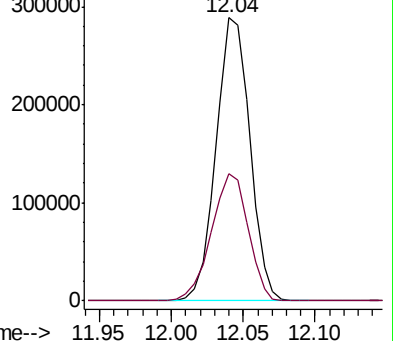
104 100

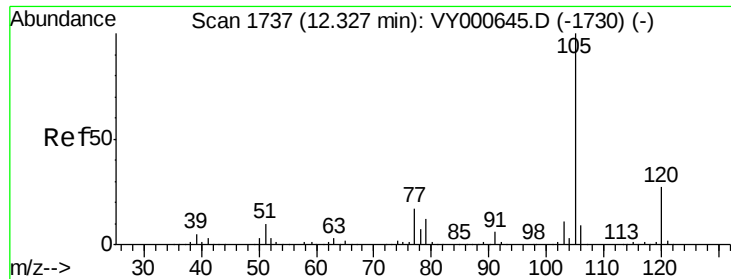
78 45.0 31.5 58.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 27.300 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000645.D

Acq: 12 Nov 2019 10:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02580

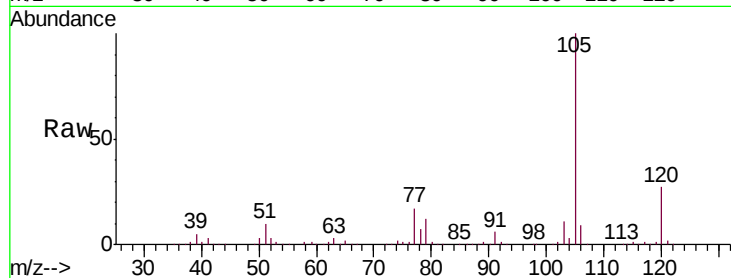
Tgt Ion: 105 Resp: 722490

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

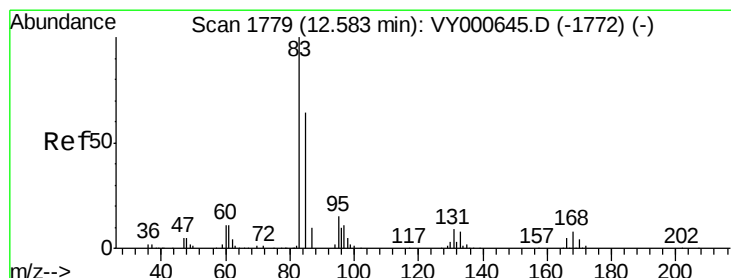
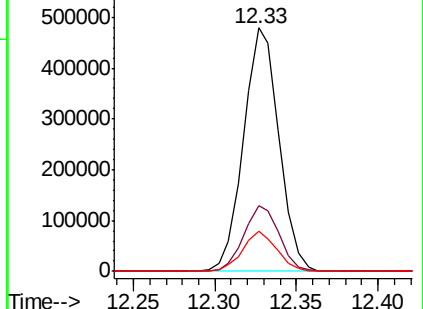
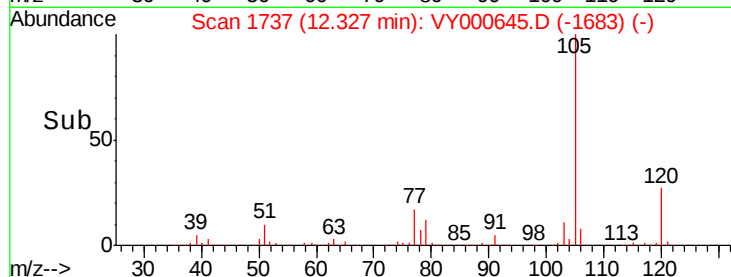
77 15.8 12.6 19.0



Abundance Ion 105.00 (104.70 to 105.70): VY000645.D (-1730) (-)

Ion 120.00 (119.70 to 120.70): VY000645.D (-1730) (-)

Ion 77.00 (76.70 to 77.70): VY000645.D (-1730) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 27.918 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000645.D

Acq: 12 Nov 2019 10:11

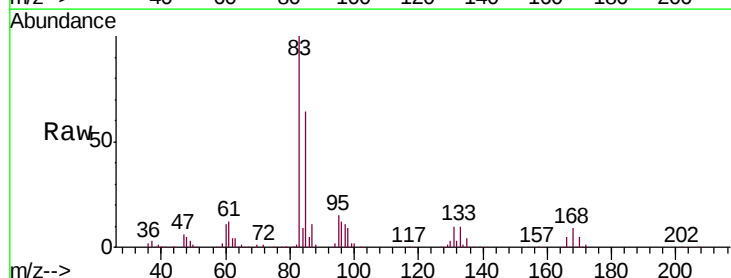
Tgt Ion: 83 Resp: 162129

Ion Ratio Lower Upper

83 100

85 64.3 45.0 83.6

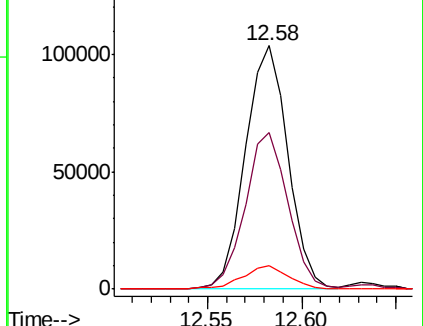
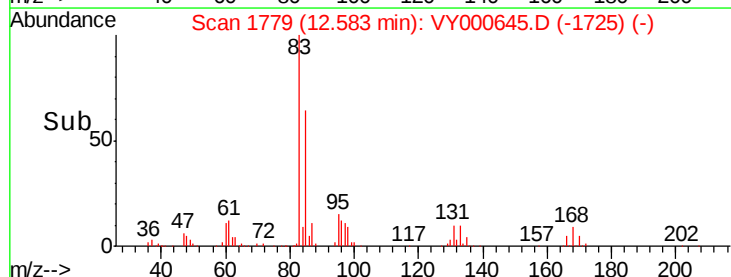
131 9.7 7.8 11.6

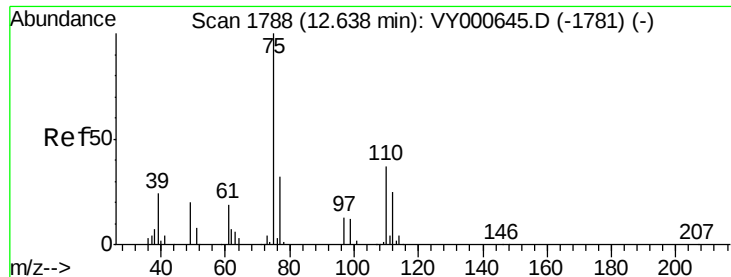


Abundance Ion 83.00 (82.70 to 83.70): VY000645.D (-1772) (-)

Ion 85.00 (84.70 to 85.70): VY000645.D (-1772) (-)

Ion 131.00 (130.70 to 131.70): VY000645.D (-1772) (-)





#59

1,2,3-Trichloropropane

Concen: 27.840 ug/L

RT: 12.64 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VY000645.D

Acq: 12 Nov 2019 10:11

Instrument :

MSVOA_Y

ClientSampleId :

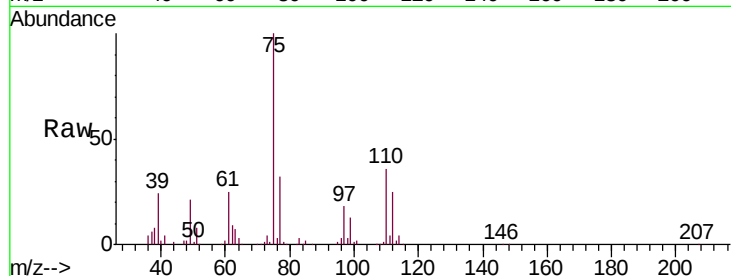
VSTD02580

Tgt Ion: 75 Resp: 131467

Ion Ratio Lower Upper

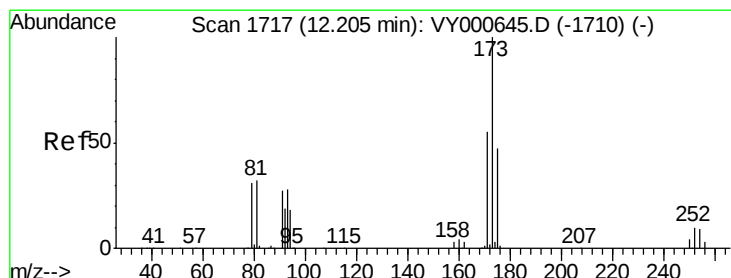
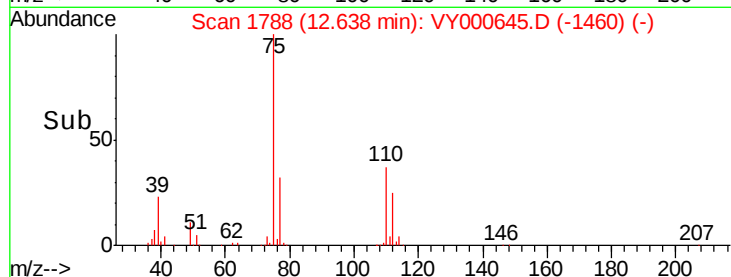
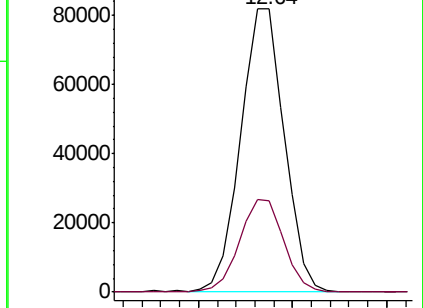
75 100

77 33.0 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) (-)



#62

Bromoform

Concen: 27.292 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY000645.D

Acq: 12 Nov 2019 10:11

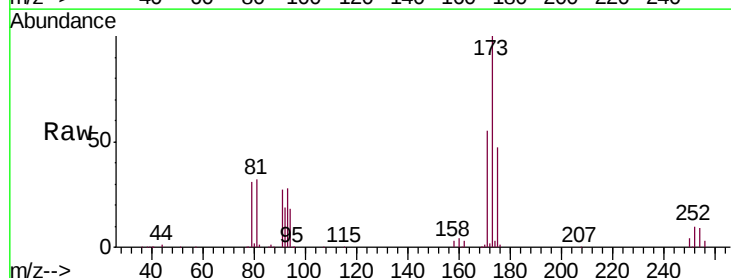
Tgt Ion: 173 Resp: 88385

Ion Ratio Lower Upper

173 100

175 47.2 37.8 56.6

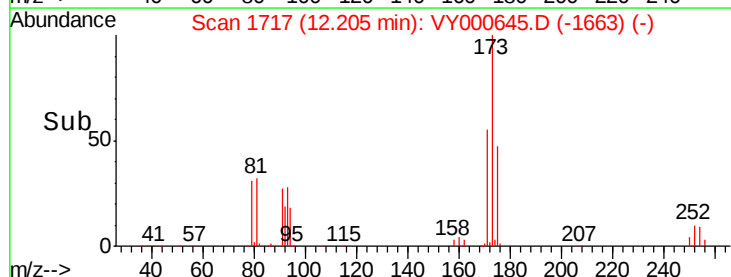
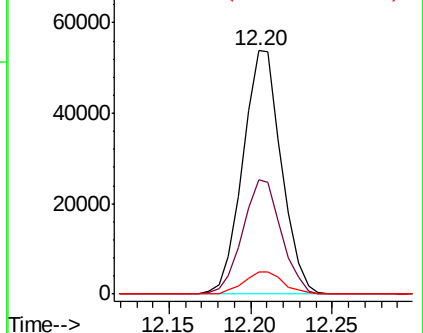
254 9.6 7.7 11.5

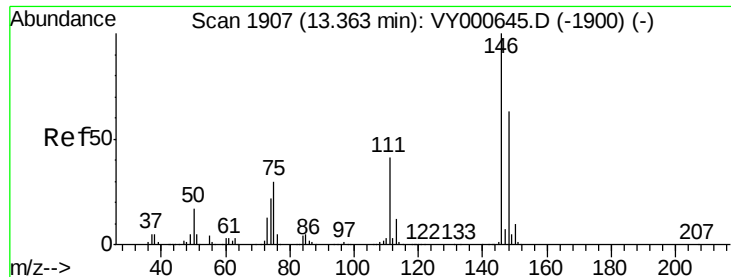


Abundance Ion 173.00 (172.70 to 173.70): VY000645.D (-1710) (-)

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

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

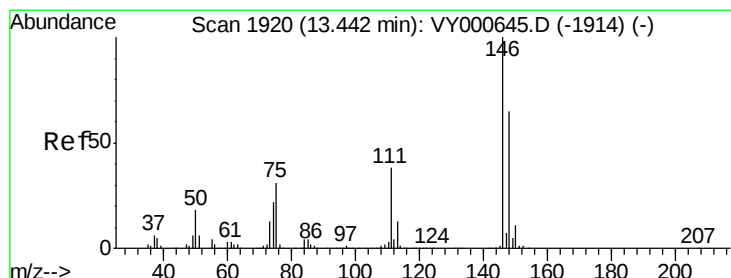
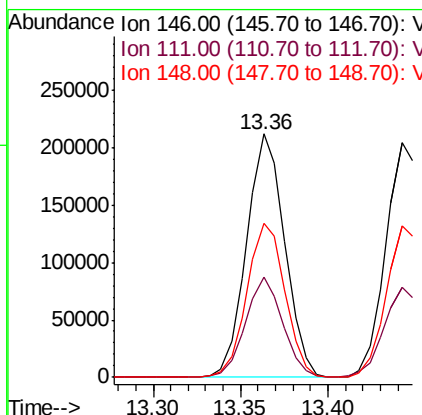
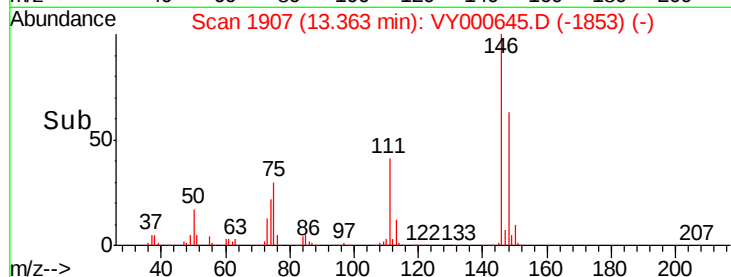
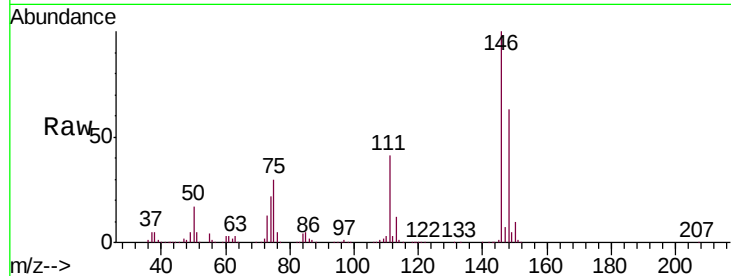




#63
 1,3-Dichlorobenzene
 Concen: 26.407 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY000645.D
 Acq: 12 Nov 2019 10:11

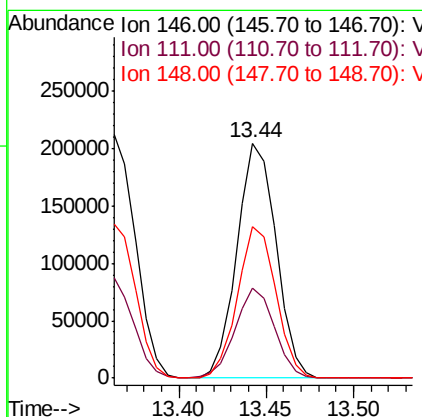
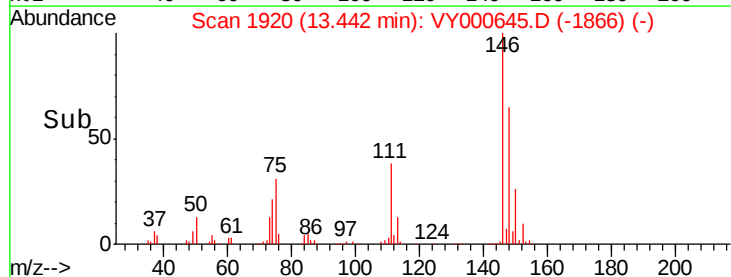
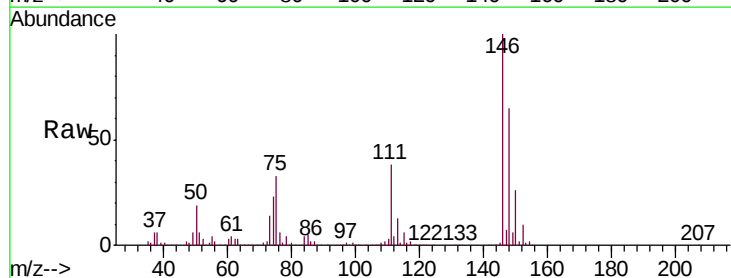
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02580

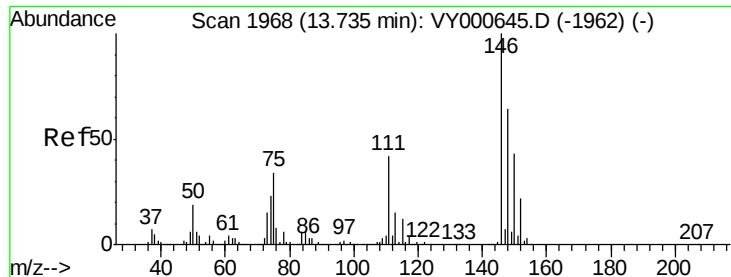
Tgt Ion:146 Resp: 321156
 Ion Ratio Lower Upper
 146 100
 111 41.2 28.8 53.6
 148 63.3 44.3 82.3



#64
 1,4-Dichlorobenzene
 Concen: 26.313 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY000645.D
 Acq: 12 Nov 2019 10:11

Tgt Ion:146 Resp: 319891
 Ion Ratio Lower Upper
 146 100
 111 38.1 26.7 49.5
 148 64.6 45.2 84.0

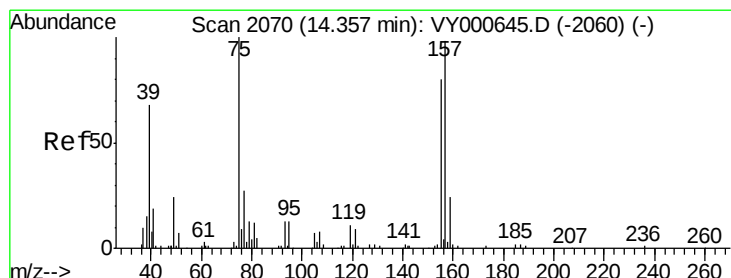
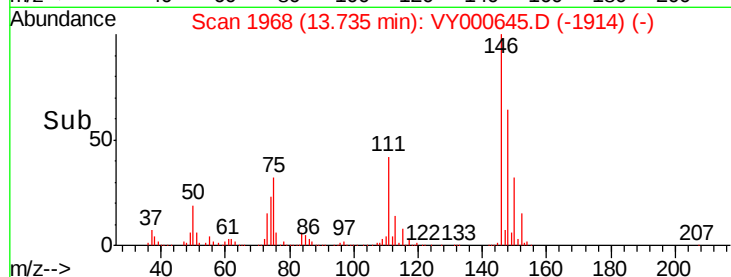
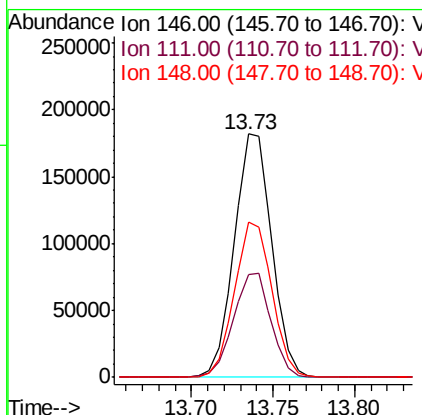
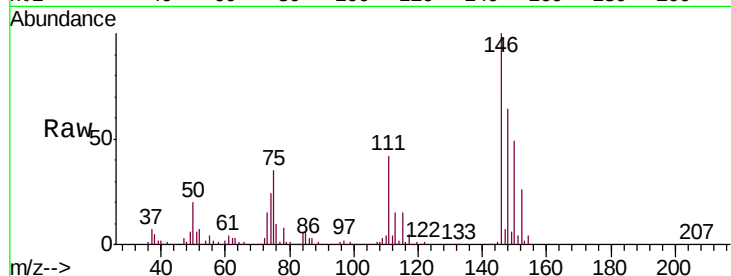




#65
 1,2-Dichlorobenzene
 Concen: 25.871 ug/L
 RT: 13.73 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY000645.D
 Acq: 12 Nov 2019 10:11

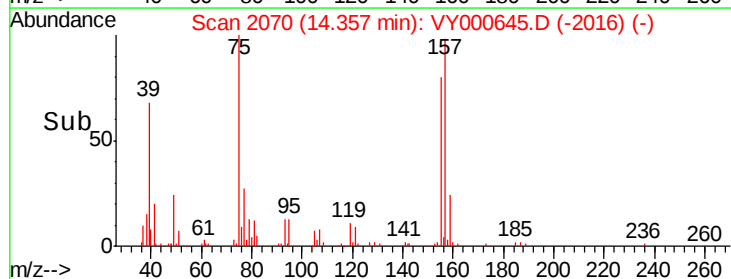
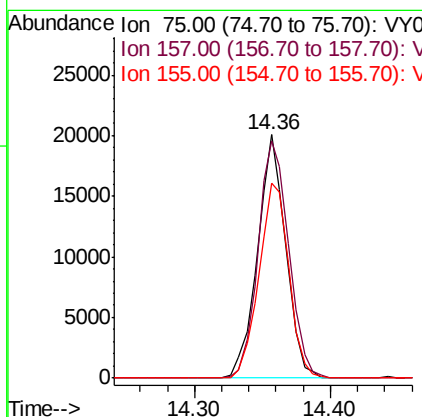
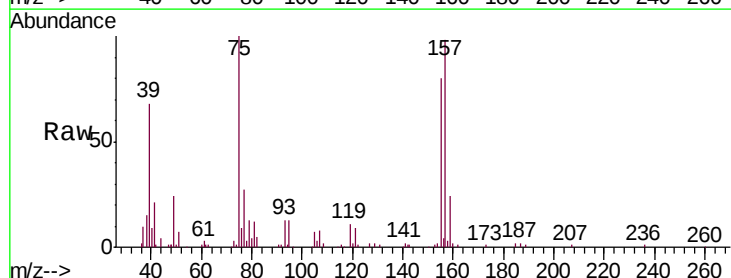
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02580

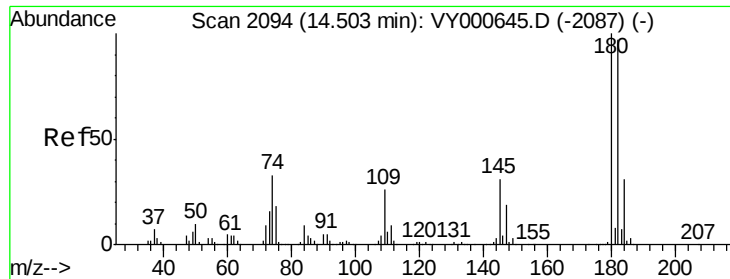
Tgt Ion: 146 Resp: 291407
 Ion Ratio Lower Upper
 146 100
 111 42.3 33.8 50.8
 148 63.8 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.193 ug/L
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY000645.D
 Acq: 12 Nov 2019 10:11

Tgt Ion: 75 Resp: 29103
 Ion Ratio Lower Upper
 75 100
 157 97.6 78.1 117.1
 155 80.3 64.2 96.4

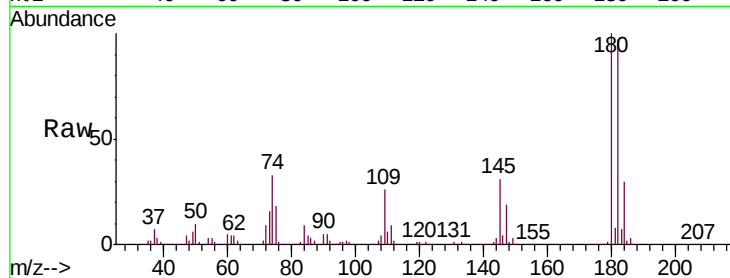




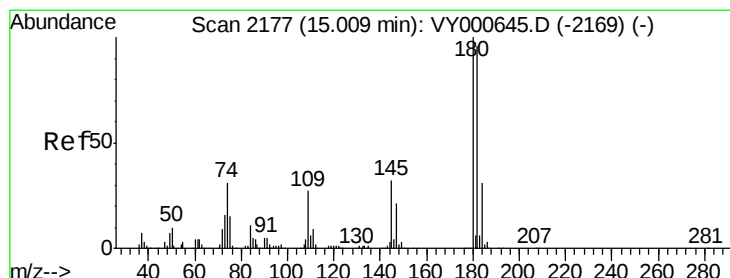
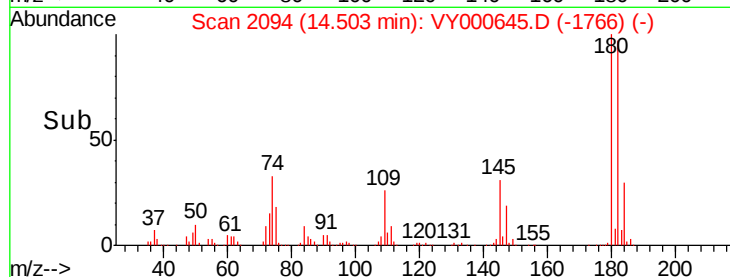
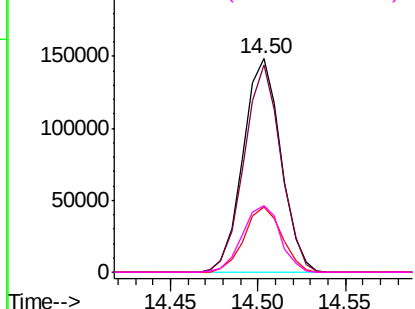
#67
 1,3,5-Trichlorobenzene
 Concen: 26.320 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VY000645.D
 Acq: 12 Nov 2019 10:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02580

Tgt Ion:	180	Resp:	223175
Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.6	113.4
184	30.6	24.5	36.7
145	31.4	25.1	37.7

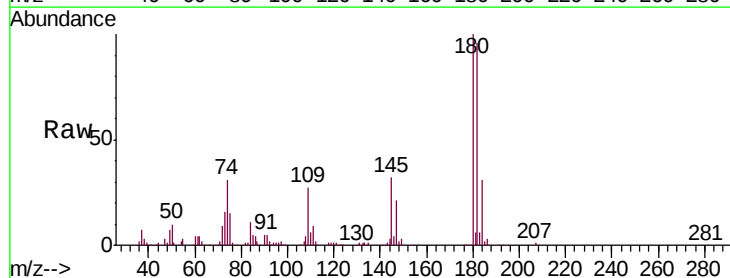


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

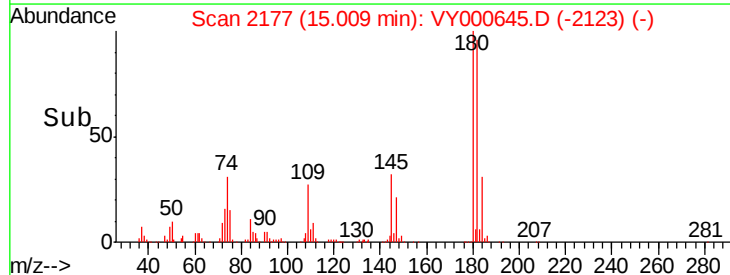
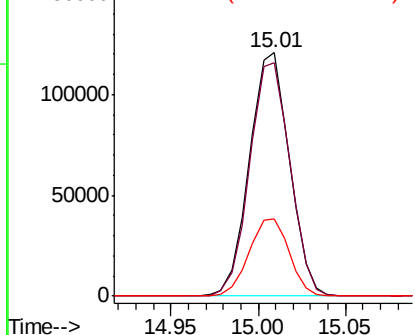


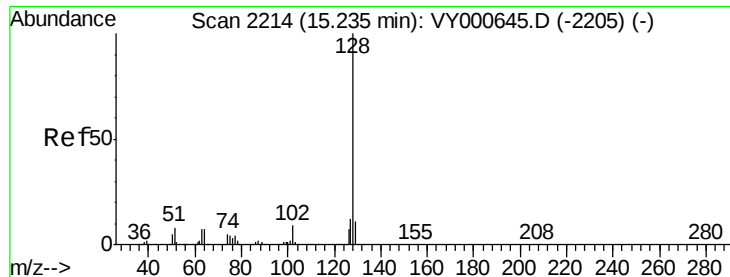
#68
 1,2,4-trichlorobenzene
 Concen: 25.372 ug/L
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY000645.D
 Acq: 12 Nov 2019 10:11

Tgt Ion:	180	Resp:	192264
Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.5	116.3
145	31.8	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: 26.307 ug/L

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY000645.D

Acq: 12 Nov 2019 10:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02580

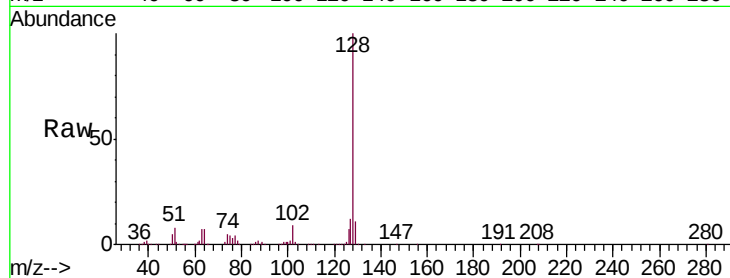
Tgt Ion:128 Resp: 496794

Ion Ratio Lower Upper

128 100

129 10.5 8.4 12.6

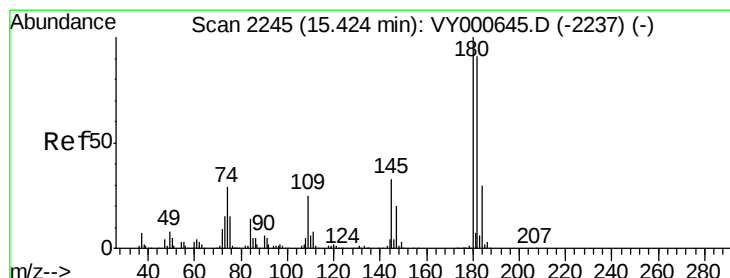
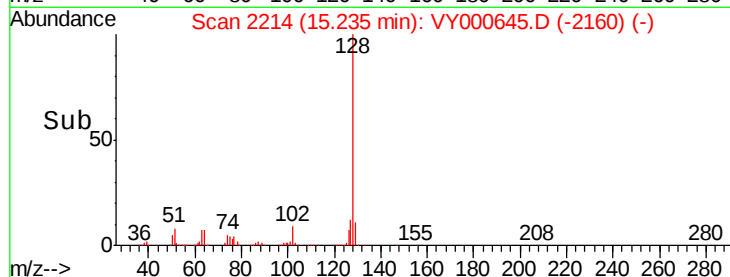
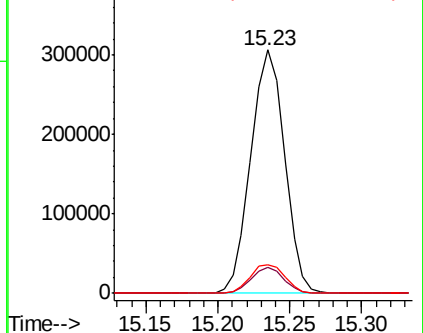
127 12.2 9.8 14.6



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: 25.790 ug/L

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY000645.D

Acq: 12 Nov 2019 10:11

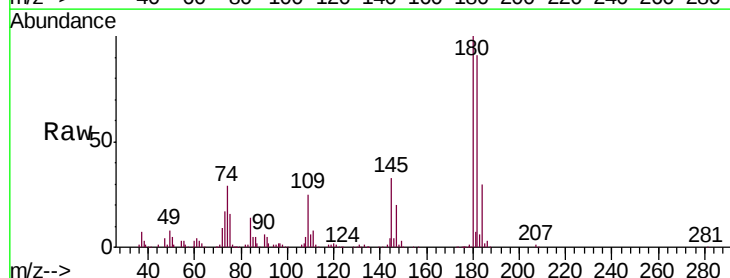
Tgt Ion:180 Resp: 181721

Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.4

145 33.2 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

