

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111419\
 Data File : VY000676.D
 Acq On : 14 Nov 2019 13:00
 Operator : SY/MD
 Sample : VSTD10077
 Misc : 5ML/MSVOA_Y/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD10077

Quant Time: Nov 15 09:55:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOMYLM111419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 15 09:51:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	361803	50.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	345706	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	170063	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	293550	103.29	ug/L	0.00
7) Chloroethane-d5	2.76	69	240647	103.38	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.85	63	503483	114.99	ug/L	0.00
21) 2-Butanone-d5	6.91	46	223807	99.82	ug/L	0.00
24) Chloroform-d	7.49	84	430275	105.05	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	289045	100.03	ug/L	0.00
32) Benzene-d6	8.11	84	948128	98.07	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.13	67	294176	98.63	ug/L	0.00
41) Toluene-d8	10.18	98	885021	98.86	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.44	79	153208	102.65	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	191655	108.97	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.56	84	374884	106.55	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.72	152	322822	98.11	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	206808	100.100 ug/L	99
3) Chloromethane	2.11	50	275798	100.375 ug/L	98
5) Vinyl chloride	2.25	62	280201	101.705 ug/L	97
6) Bromomethane	2.65	94	159086	100.443 ug/L	96
8) Chloroethane	2.79	64	169042	97.763 ug/L	99
9) Trichlorofluoromethane	3.13	101	403302	99.158 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	218868	96.565 ug/L	98
12) 1,1-Dichloroethene	3.86	96	219923	96.839 ug/L #	80
13) Acetone	3.96	43	166255	102.991 ug/L	97
14) Carbon disulfide	4.19	76	627054	100.101 ug/L	100
15) Methyl Acetate	4.48	43	206392	101.745 ug/L	99
16) Methylene chloride	4.71	84	234351	96.510 ug/L	94
17) trans-1,2-Dichloroethene	5.22	96	229620	96.828 ug/L	97
18) Methyl tert-butyl Ether	5.23	73	716374	100.355 ug/L	100
19) 1,1-Dichloroethane	6.02	63	416648	97.746 ug/L	98
20) cis-1,2-Dichloroethene	6.99	96	260295	97.930 ug/L	100
22) 2-Butanone	7.00	43	275886	108.613 ug/L	98
23) Bromochloromethane	7.34	128	120430	98.285 ug/L	91
25) Chloroform	7.52	83	458322	93.911 ug/L	92
27) 1,2-Dichloroethane	8.24	62	330434	99.150 ug/L	100
29) Cyclohexane	7.79	56	396034	98.146 ug/L	99
30) 1,1,1-Trichloroethane	7.71	97	371529	98.385 ug/L	99
31) Carbon tetrachloride	7.91	117	328433	97.140 ug/L	98
33) Benzene	8.16	78	986919	95.836 ug/L	100
34) Trichloroethene	8.94	95	245132	94.801 ug/L	97
35) Methylcyclohexane	9.18	83	421178	98.668 ug/L	98
37) 1,2-Dichloropropane	9.22	63	249185	97.548 ug/L	99
38) Bromodichloromethane	9.50	83	336686	98.112 ug/L	95
39) cis-1,3-Dichloropropene	9.93	75	429697	98.998 ug/L	99
40) 4-Methyl-2-pentanone	10.07	43	618822	105.585 ug/L	99

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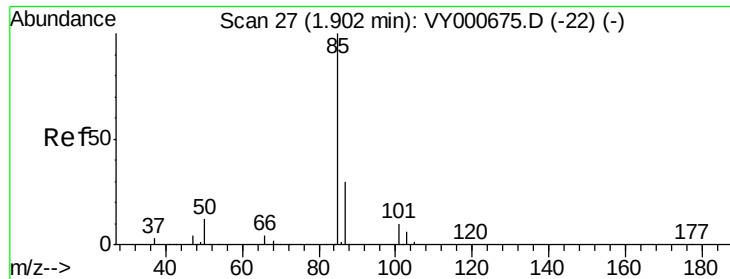
Instrument :
 MSVOA_Y
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Quant Time: Nov 15 09:55:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOMYLM111419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 15 09:51:09 2019
 Response via : Initial Calibration

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

42) Toluene	10.24	91	1069525	98.119	ug/L	98
44) trans-1,3-Dichloropropene	10.47	75	391841	103.104	ug/L	99
45) 1,1,2-Trichloroethane	10.64	97	231366	95.463	ug/L	96
46) Tetrachloroethene	10.72	164	191781	95.857	ug/L	99
48) 2-Hexanone	10.83	43	457653	108.152	ug/L	99
49) Dibromochloromethane	10.99	129	265641	101.190	ug/L	99
50) 1,2-Dibromoethane	11.09	107	241194	99.432	ug/L #	97
51) Chlorobenzene	11.52	112	687175	97.851	ug/L	97
52) Ethylbenzene	11.59	91	1238737	99.581	ug/L	99
53) m,p-Xylene	11.70	106	467982	97.809	ug/L	97
54) o-xylene	12.03	106	465621	99.265	ug/L	100
55) Styrene	12.04	104	821695	103.096	ug/L	99
56) Isopropylbenzene	12.33	105	1215104	101.209	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.58	83	354714	103.467	ug/L	98
59) 1,2,3-Trichloropropane	12.63	75	277379	102.260	ug/L	100
61) Bromoform	12.20	173	180837	105.031	ug/L	96
62) 1,3-Dichlorobenzene	13.36	146	532270	99.798	ug/L	97
63) 1,4-Dichlorobenzene	13.44	146	536957	98.271	ug/L	97
65) 1,2-Dichlorobenzene	13.73	146	510624	97.196	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.36	75	66126	104.195	ug/L	92
67) 1,3,5-Trichlorobenzene	14.50	180	355238	95.436	ug/L	97
68) 1,2,4-trichlorobenzene	15.00	180	338519	96.944	ug/L	99
69) Naphthalene	15.23	128	1058233	101.422	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	329032	97.903	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 100.100 ug/L

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000676.D

Acq: 14 Nov 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

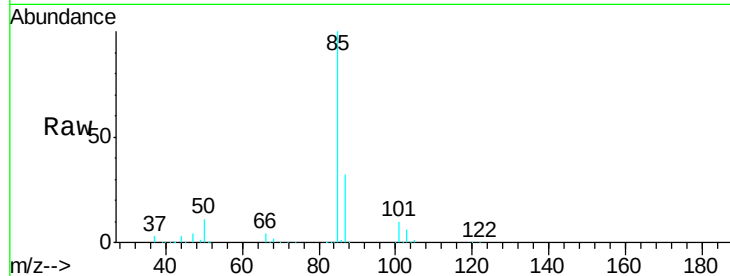
VSTD10077

Tgt Ion: 85 Resp: 206808

Ion Ratio Lower Upper

85 100

87 31.5 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

150000

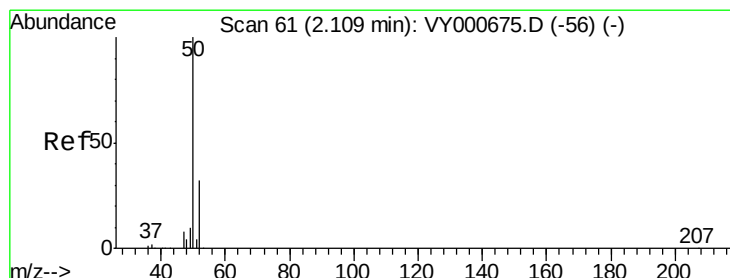
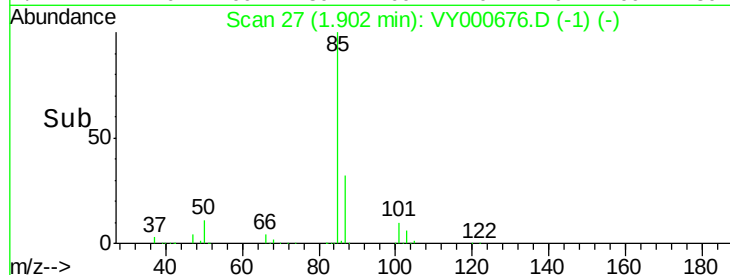
100000

50000

0

1.85 1.90 1.95 2.00

Time-->



#3

Chloromethane

Concen: 100.375 ug/L

RT: 2.11 min Scan# 61

Delta R.T. -0.00 min

Lab File: VY000676.D

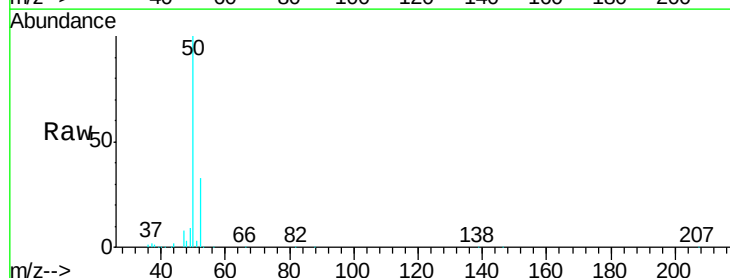
Acq: 14 Nov 2019 13:00

Tgt Ion: 50 Resp: 275798

Ion Ratio Lower Upper

50 100

52 32.6 22.2 41.2



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

200000

150000

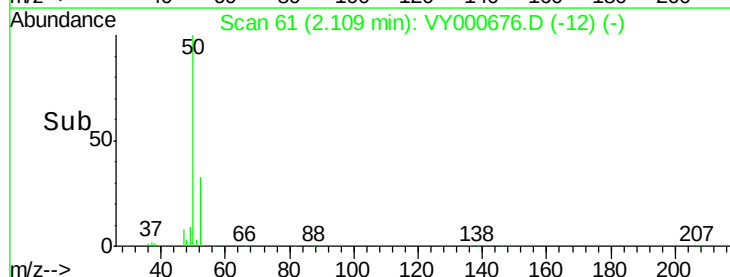
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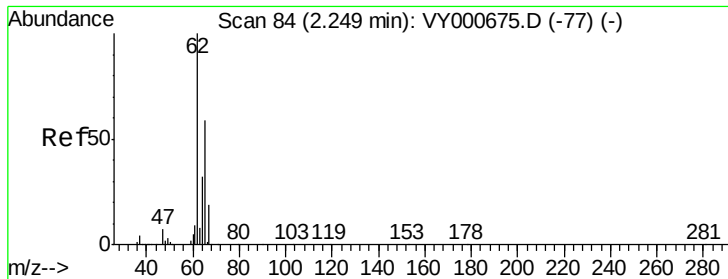
50000

0

2.05 2.10 2.15 2.20

Time-->





#5

Vinyl chloride

Concen: 101.705 ug/L

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000676.D

Acq: 14 Nov 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

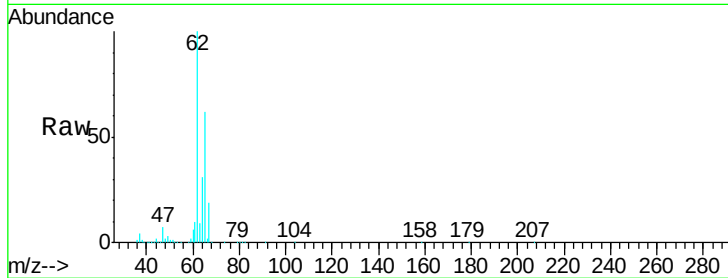
VSTD10077

Tgt Ion: 62 Resp: 280201

Ion Ratio Lower Upper

62 100

64 30.9 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0

2.25

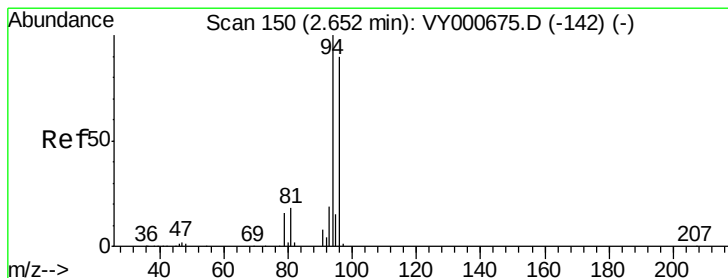
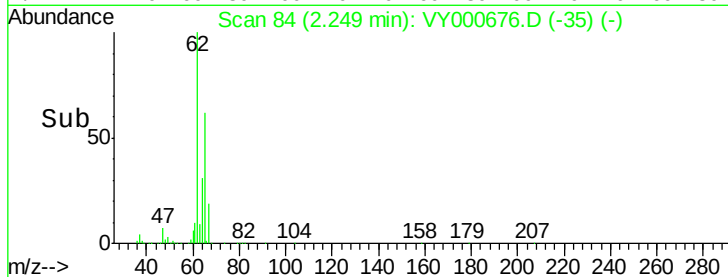
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 100.443 ug/L

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY000676.D

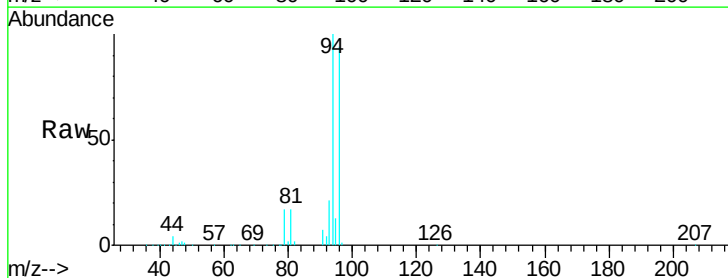
Acq: 14 Nov 2019 13:00

Tgt Ion: 94 Resp: 159086

Ion Ratio Lower Upper

94 100

96 94.0 63.0 117.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

2.65

80000

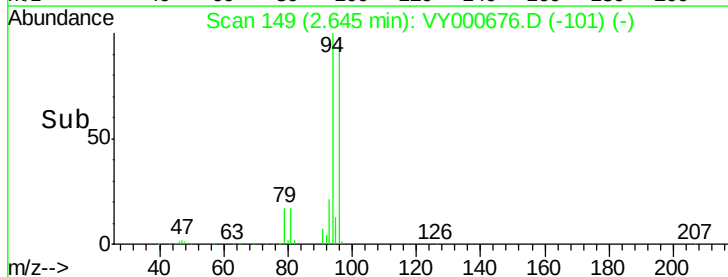
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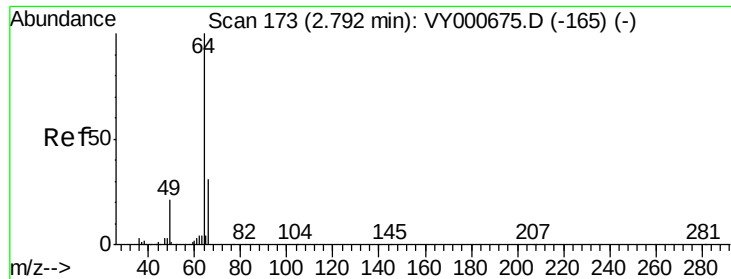
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20000

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Time-->

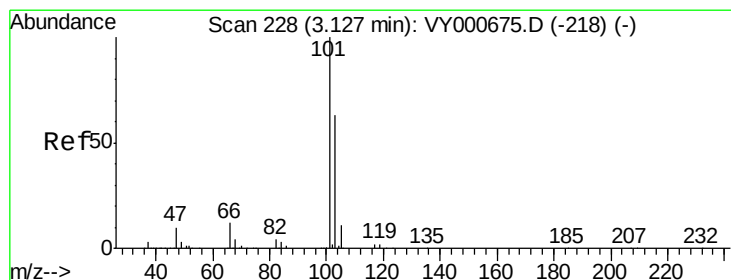
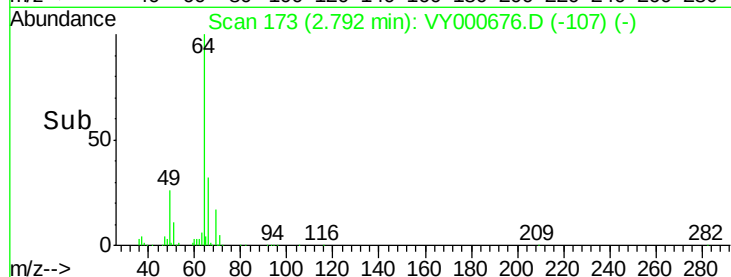
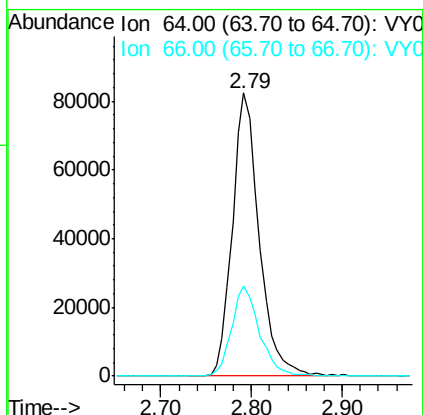
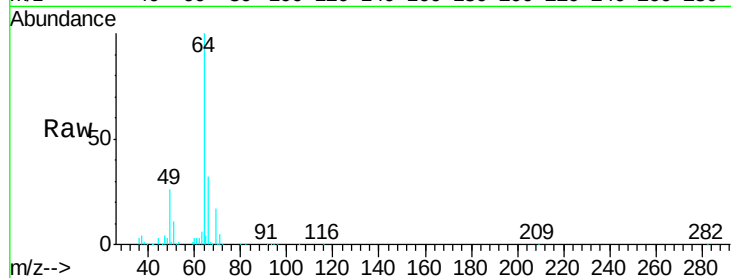




#8
Chloroethane
Concen: 97.763 ug/L
RT: 2.79 min Scan# 173
Delta R.T. -0.00 min
Lab File: VY000676.D
Acq: 14 Nov 2019 13:00

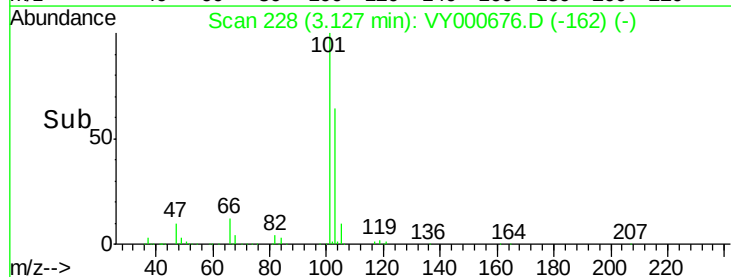
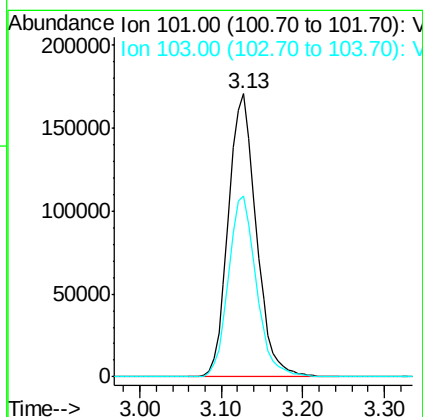
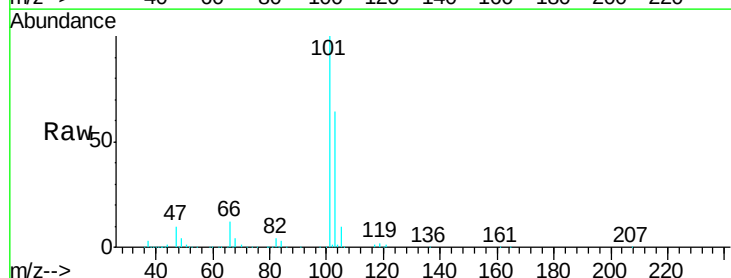
Instrument :
MSVOA_Y
ClientSampleId :
VSTD10077

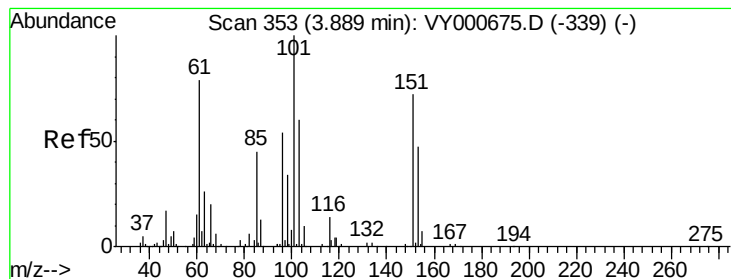
Tgt Ion: 64 Resp: 169042
Ion Ratio Lower Upper
64 100
66 31.7 21.7 40.3



#9
Trichlorofluoromethane
Concen: 99.158 ug/L
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY000676.D
Acq: 14 Nov 2019 13:00

Tgt Ion: 101 Resp: 403302
Ion Ratio Lower Upper
101 100
103 63.6 52.5 78.7





#10

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

Concen: 96.565 ug/L

RT: 3.90 min Scan# 354

Delta R.T. 0.01 min

Lab File: VY000676.D

Acq: 14 Nov 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTD10077

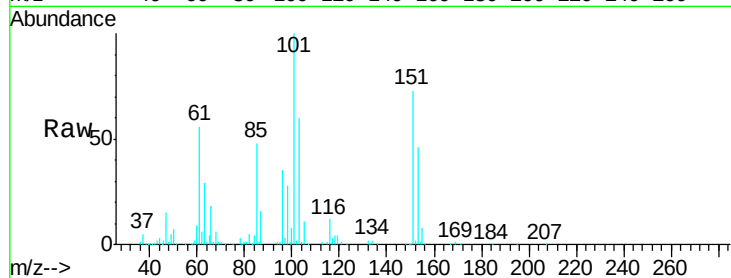
Tgt Ion: 101 Resp: 218868

Ion Ratio Lower Upper

101 100

85 46.4 35.3 52.9

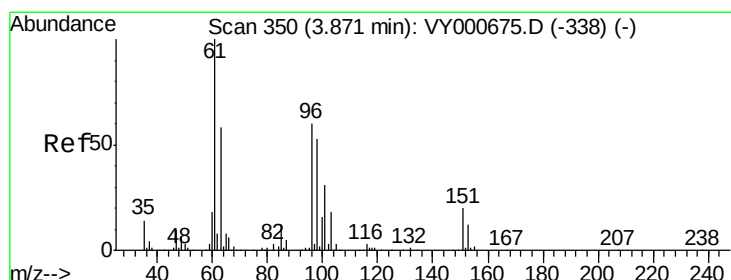
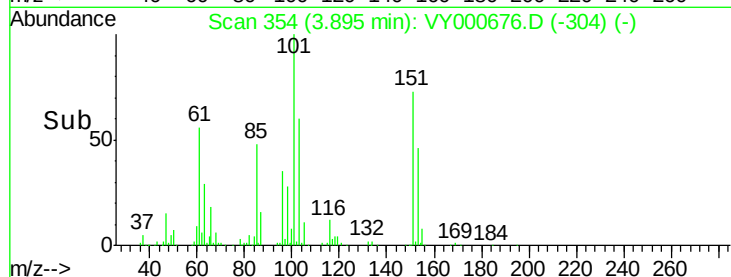
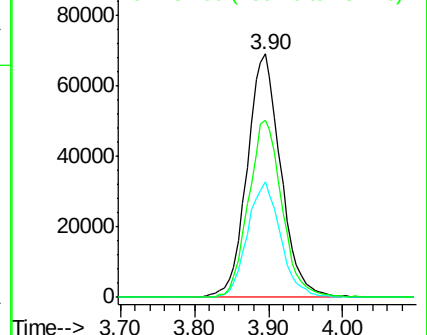
151 72.4 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): VY000675.D (-339) (-)

Ion 85.00 (84.70 to 85.70): VY000675.D (-339) (-)

Ion 151.00 (150.70 to 151.70): VY000675.D (-339) (-)



#12

1,1-Dichloroethene

Concen: 96.839 ug/L

RT: 3.86 min Scan# 349

Delta R.T. -0.01 min

Lab File: VY000676.D

Acq: 14 Nov 2019 13:00

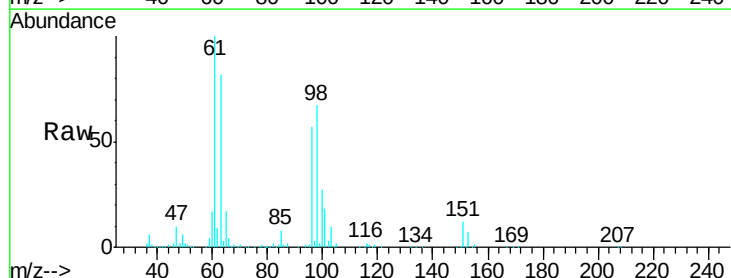
Tgt Ion: 96 Resp: 219923

Ion Ratio Lower Upper

96 100

61 175.7 117.5 218.3

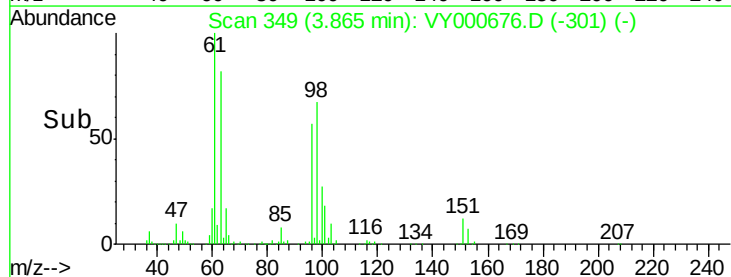
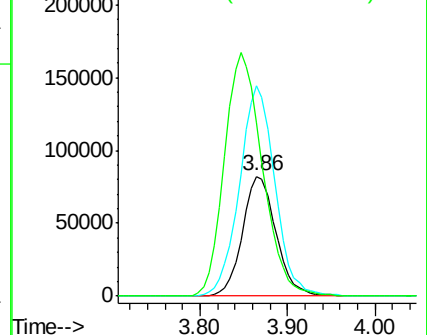
63 144.7 70.1 130.3#

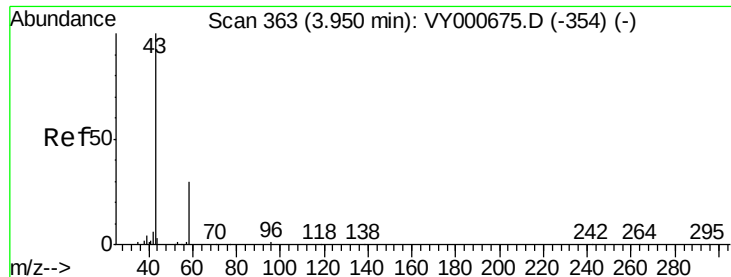


Abundance Ion 96.00 (95.70 to 96.70): VY000675.D (-338) (-)

Ion 61.00 (60.70 to 61.70): VY000675.D (-338) (-)

Ion 63.00 (62.70 to 63.70): VY000675.D (-338) (-)





#13

Acetone

Concen: 102.991 ug/L

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000676.D

Acq: 14 Nov 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

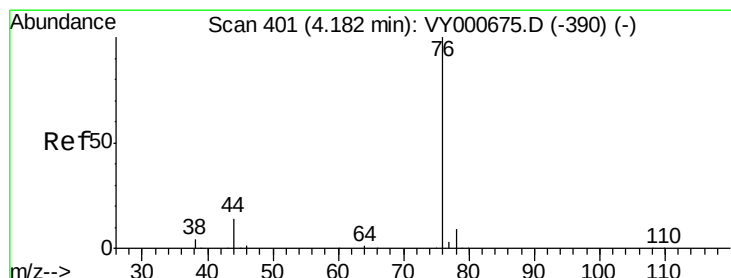
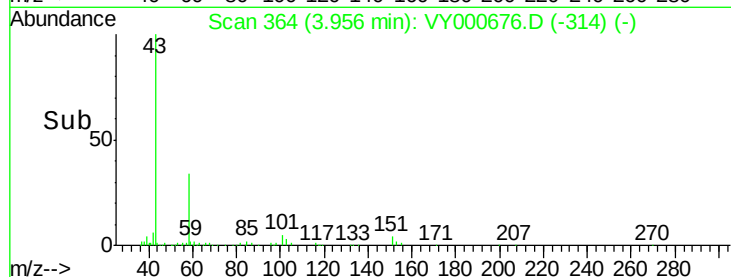
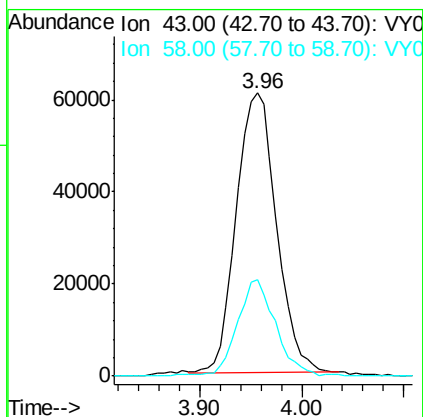
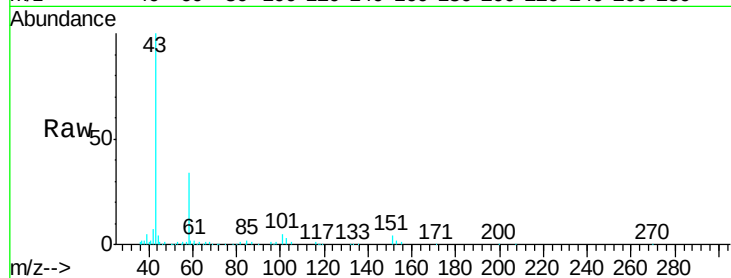
VSTD10077

Tgt Ion: 43 Resp: 166255

Ion Ratio Lower Upper

43 100

58 32.6 0.0 62.2



#14

Carbon disulfide

Concen: 100.101 ug/L

RT: 4.19 min Scan# 402

Delta R.T. 0.01 min

Lab File: VY000676.D

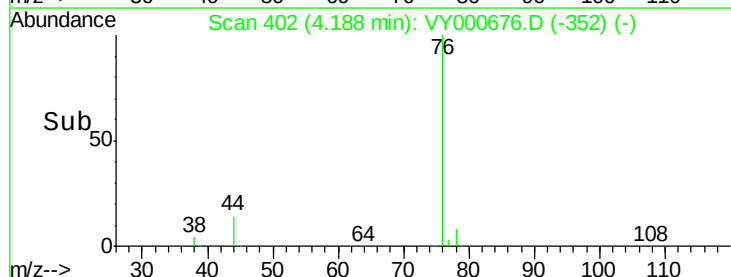
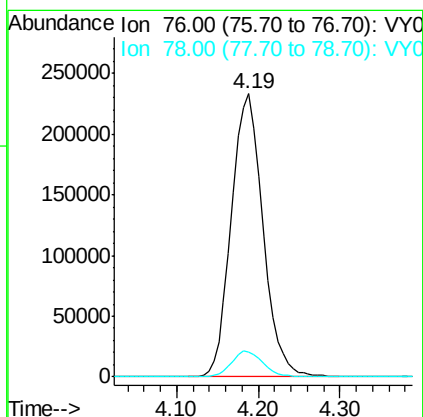
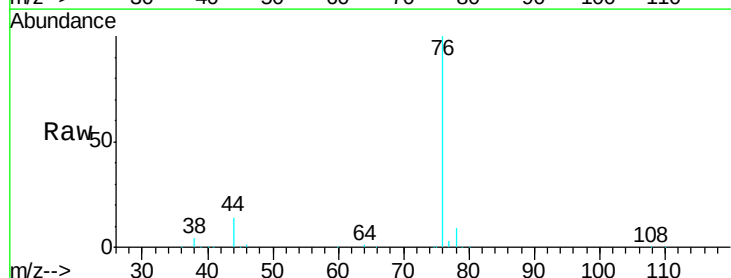
Acq: 14 Nov 2019 13:00

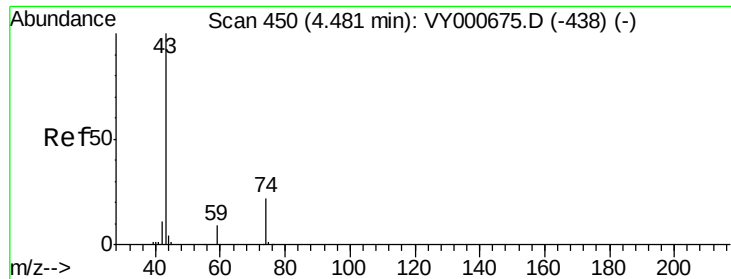
Tgt Ion: 76 Resp: 627054

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.6





#15

Methyl Acetate

Concen: 101.745 ug/L

RT: 4.48 min Scan# 450

Delta R.T. -0.00 min

Lab File: VY000676.D

Acq: 14 Nov 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

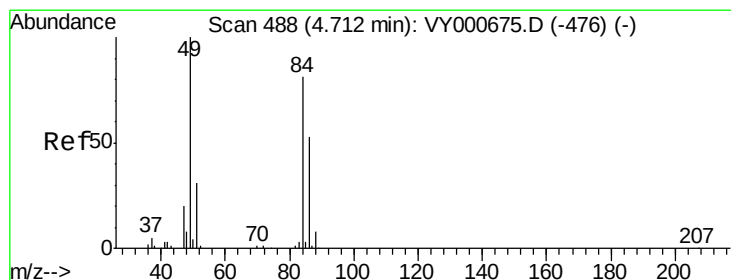
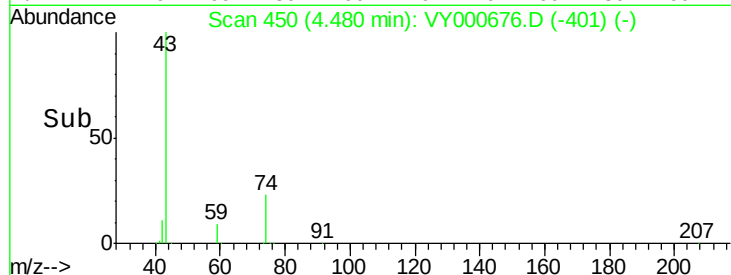
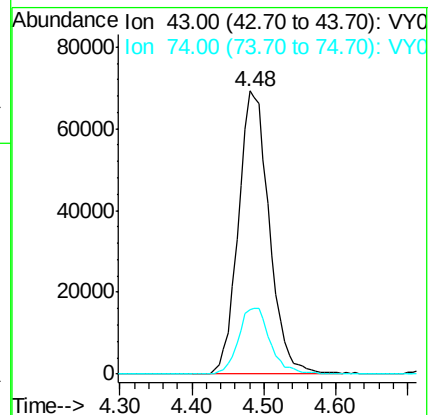
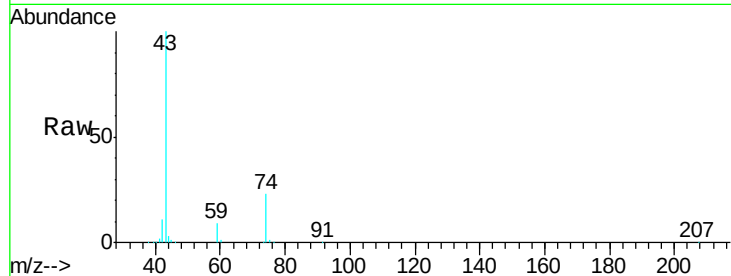
VSTD10077

Tgt Ion: 43 Resp: 206392

Ion Ratio Lower Upper

43 100

74 23.6 19.1 28.7



#16

Methylene chloride

Concen: 96.510 ug/L

RT: 4.71 min Scan# 488

Delta R.T. -0.00 min

Lab File: VY000676.D

Acq: 14 Nov 2019 13:00

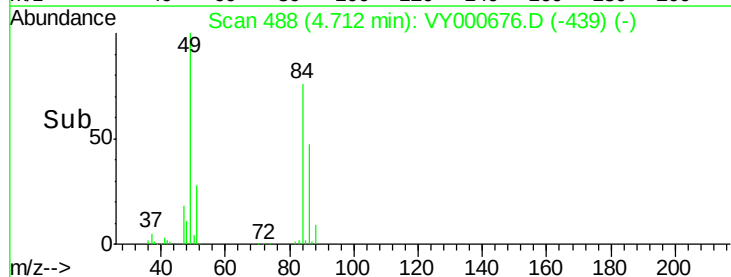
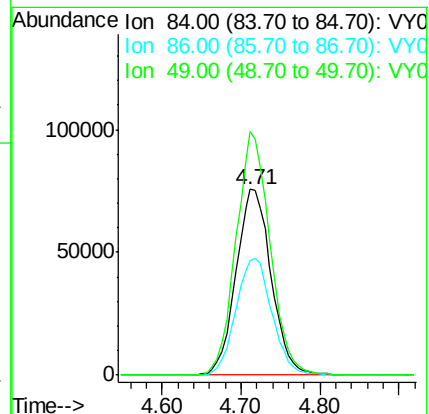
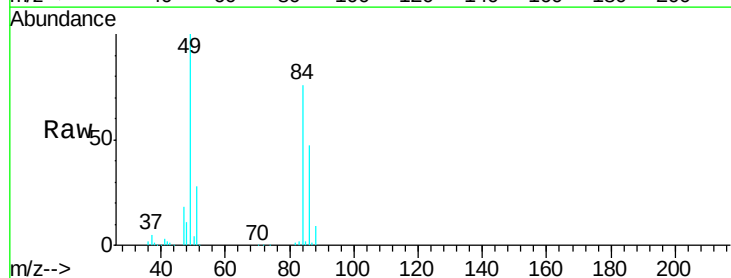
Tgt Ion: 84 Resp: 234351

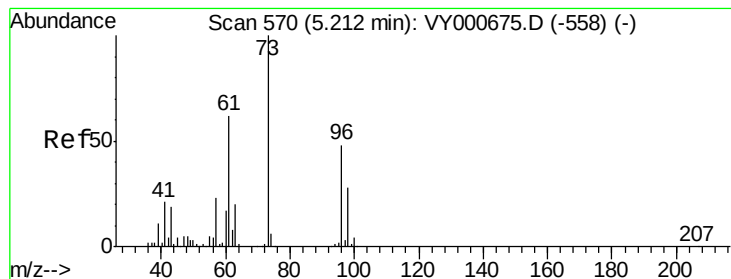
Ion Ratio Lower Upper

84 100

86 61.6 45.9 85.3

49 131.1 86.1 159.9





#17

trans-1,2-Dichloroethene

Concen: 96.828 ug/L

RT: 5.22 min Scan# 571

Delta R.T. 0.01 min

Lab File: VY000676.D

Acq: 14 Nov 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTD10077

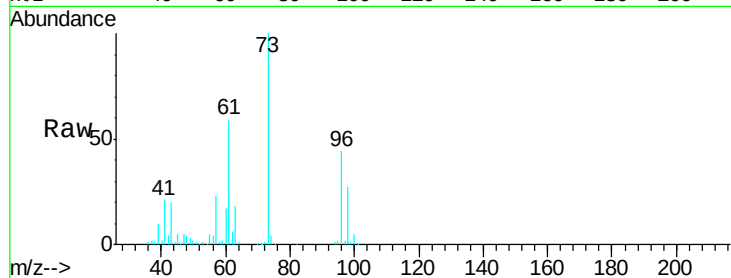
Tgt Ion: 96 Resp: 229620

Ion Ratio Lower Upper

96 100

61 132.4 90.8 168.6

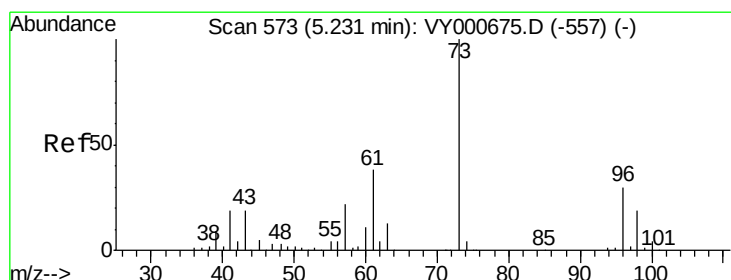
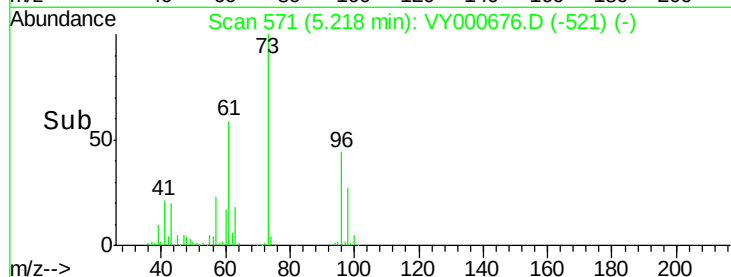
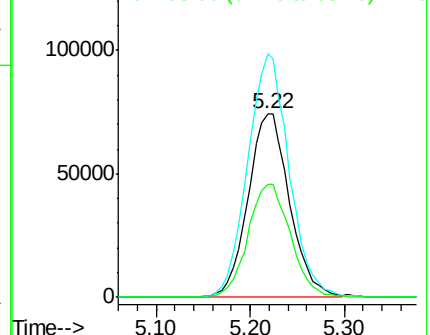
98 61.8 41.0 76.2



Abundance Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 98.00 (97.70 to 98.70): VY0



#18

Methyl tert-butyl Ether

Concen: 100.355 ug/L

RT: 5.23 min Scan# 573

Delta R.T. -0.00 min

Lab File: VY000676.D

Acq: 14 Nov 2019 13:00

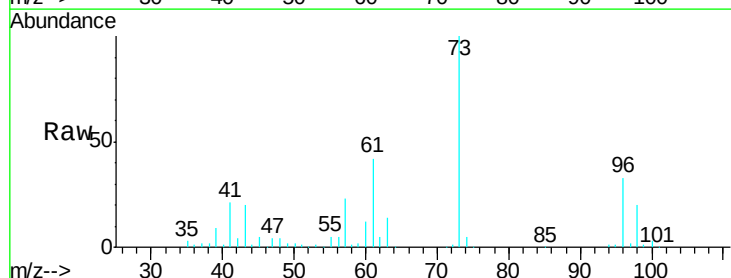
Tgt Ion: 73 Resp: 716374

Ion Ratio Lower Upper

73 100

43 19.3 15.5 23.3

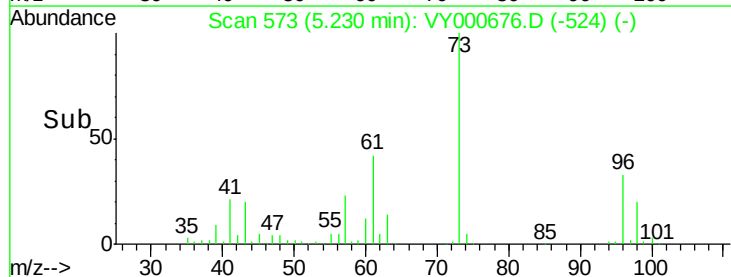
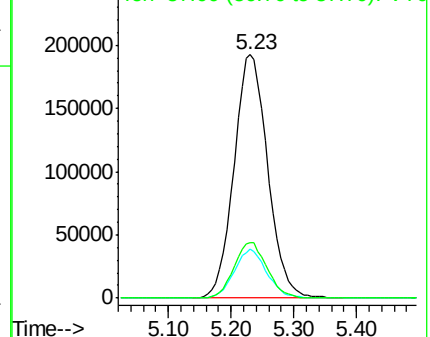
57 22.4 17.7 26.5

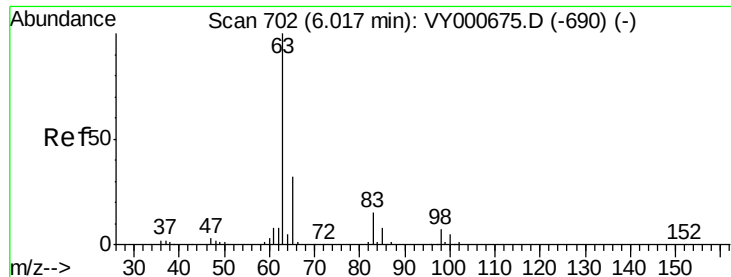


Abundance Ion 73.00 (72.70 to 73.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

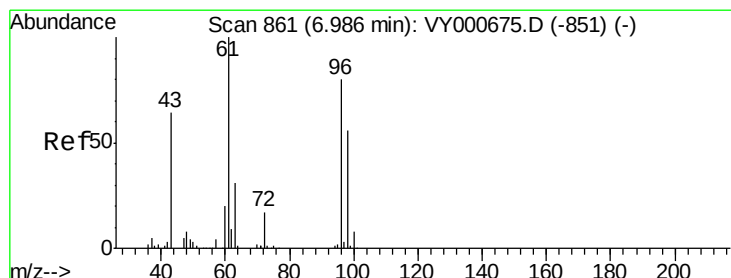
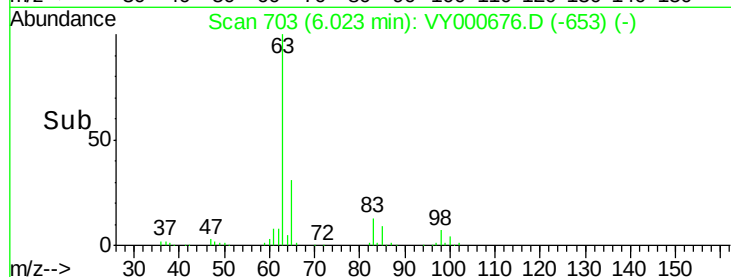
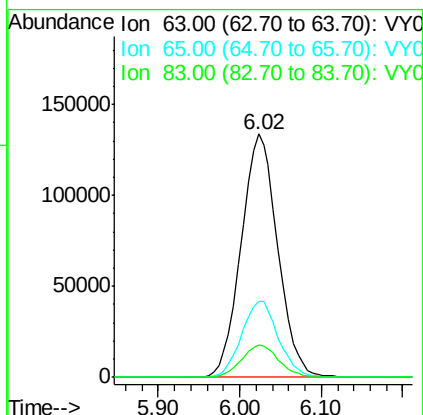
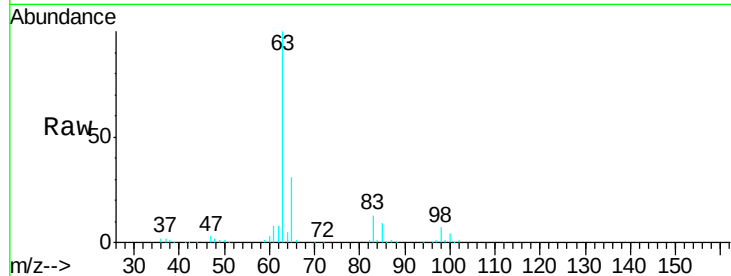




#19
 1,1-Dichloroethane
 Concen: 97.746 ug/L
 RT: 6.02 min Scan# 703
 Delta R.T. 0.01 min
 Lab File: VY000676.D
 Acq: 14 Nov 2019 13:00

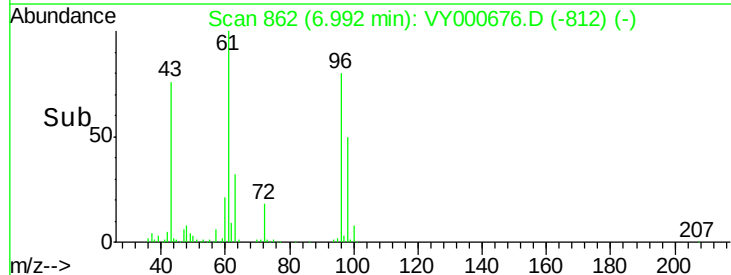
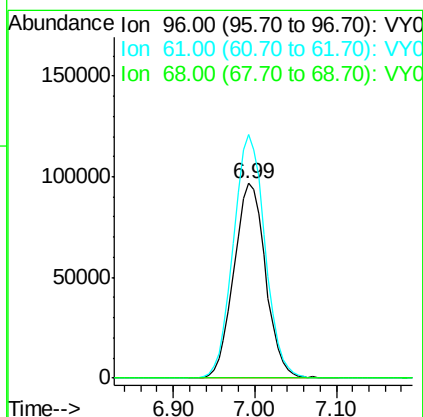
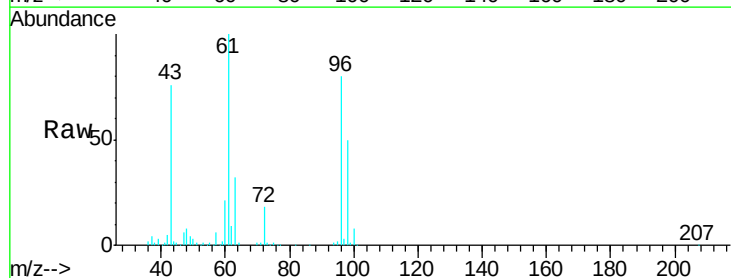
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD10077

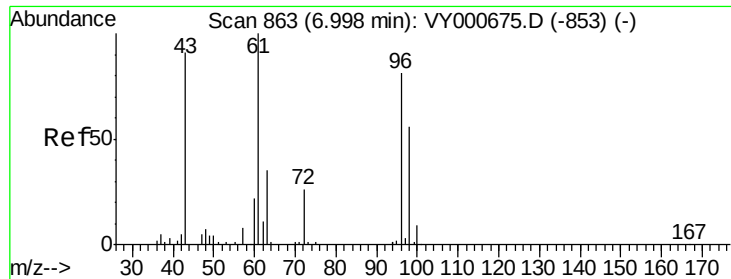
Tgt Ion: 63 Resp: 416648
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.7 42.1
 83 13.4 10.5 19.5



#20
 cis-1,2-Dichloroethene
 Concen: 97.930 ug/L
 RT: 6.99 min Scan# 862
 Delta R.T. 0.01 min
 Lab File: VY000676.D
 Acq: 14 Nov 2019 13:00

Tgt Ion: 96 Resp: 260295
 Ion Ratio Lower Upper
 96 100
 61 124.9 87.2 162.0
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 108.613 ug/L

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY000676.D

Acq: 14 Nov 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

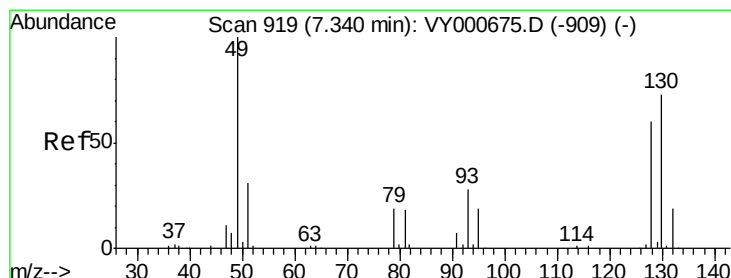
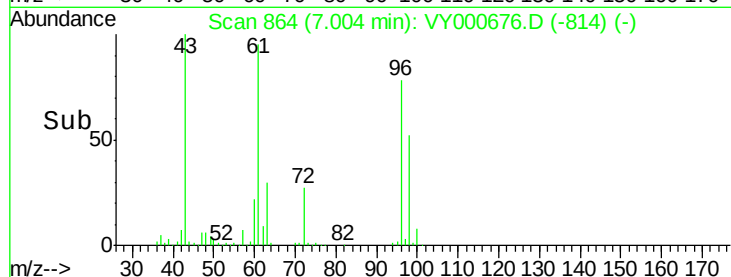
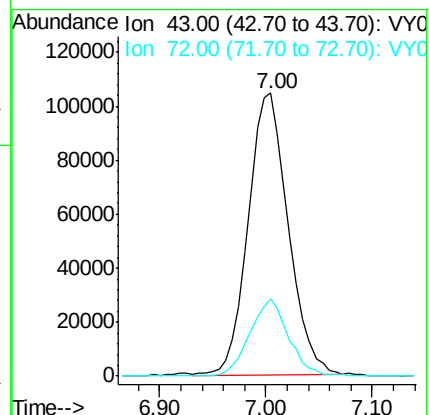
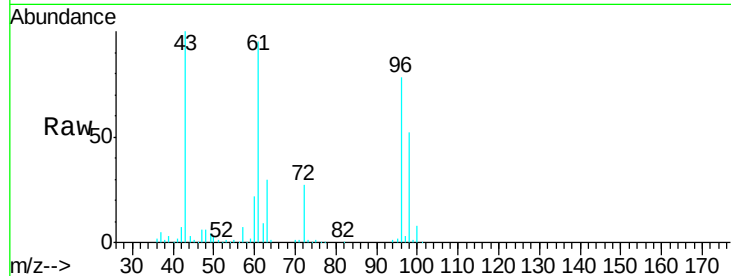
VSTD10077

Tgt Ion: 43 Resp: 275886

Ion Ratio Lower Upper

43 100

72 26.2 13.7 41.1



#23

Bromochloromethane

Concen: 98.285 ug/L

RT: 7.34 min Scan# 919

Delta R.T. -0.00 min

Lab File: VY000676.D

Acq: 14 Nov 2019 13:00

Tgt Ion: 128 Resp: 120430

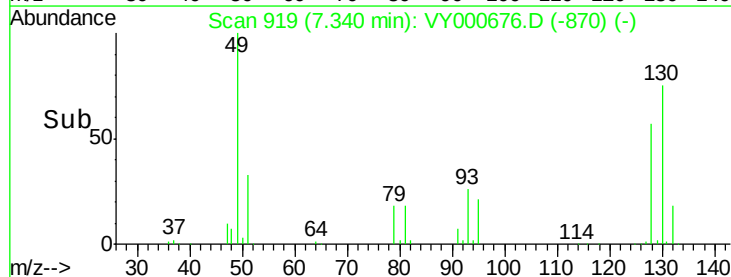
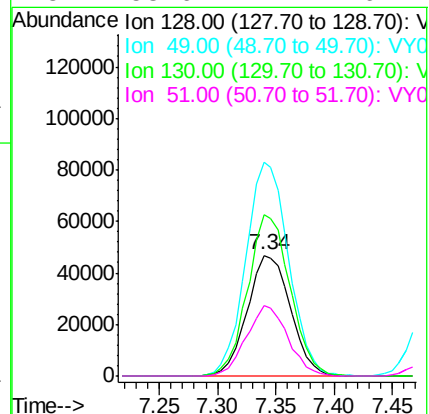
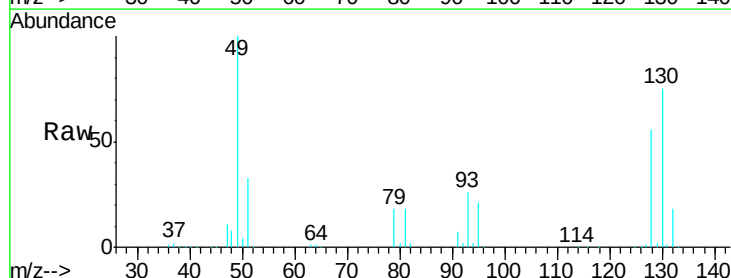
Ion Ratio Lower Upper

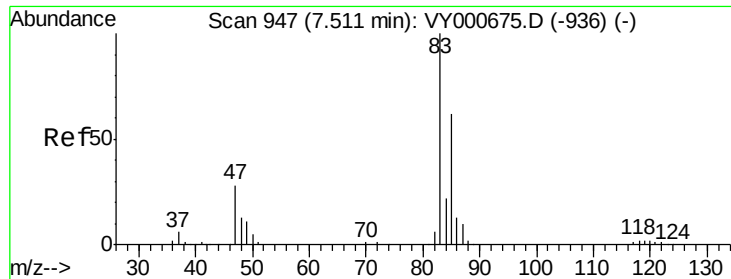
128 100

49 177.1 116.6 216.5

130 133.4 85.4 158.6

51 58.6 41.1 61.7





#25

Chloroform

Concen: 93.911 ug/L

RT: 7.52 min Scan# 948

Delta R.T. 0.01 min

Lab File: VY000676.D

Acq: 14 Nov 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

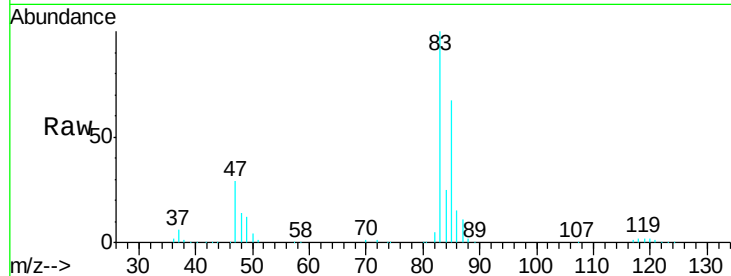
VSTD10077

Tgt Ion: 83 Resp: 458322

Ion Ratio Lower Upper

83 100

85 67.5 43.1 80.1



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

7.52

200000

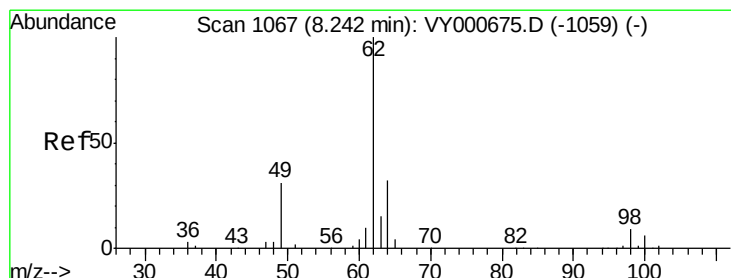
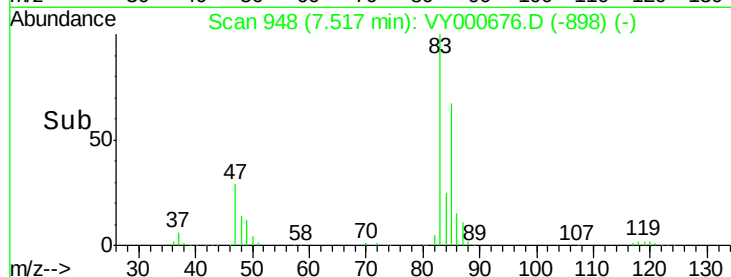
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 99.150 ug/L

RT: 8.24 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VY000676.D

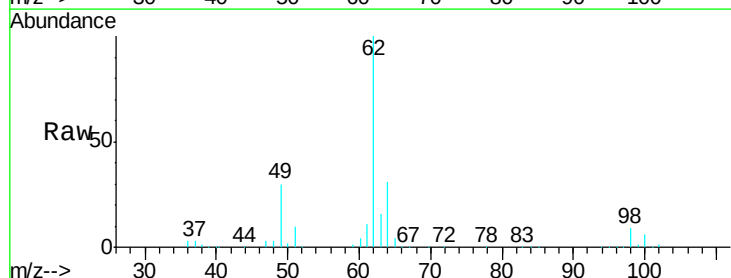
Acq: 14 Nov 2019 13:00

Tgt Ion: 62 Resp: 330434

Ion Ratio Lower Upper

62 100

98 9.0 7.1 10.7



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

8.24

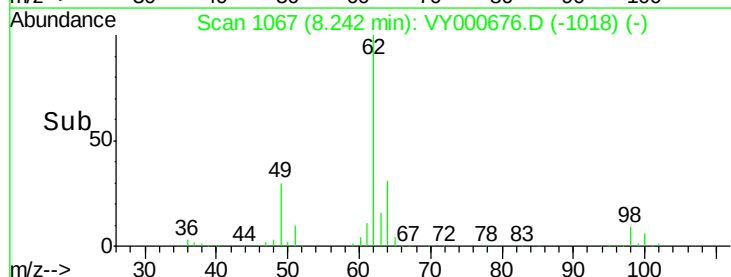
150000

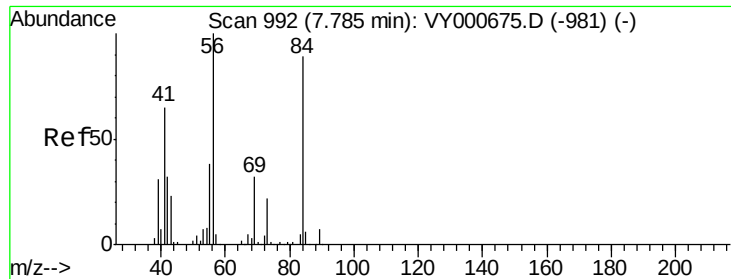
100000

50000

0

Time-->

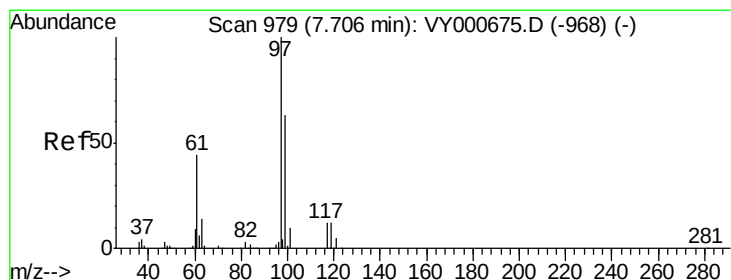
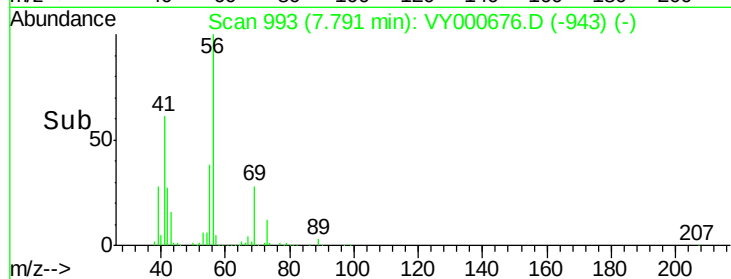
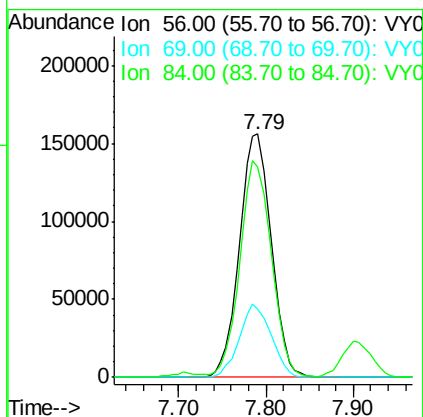
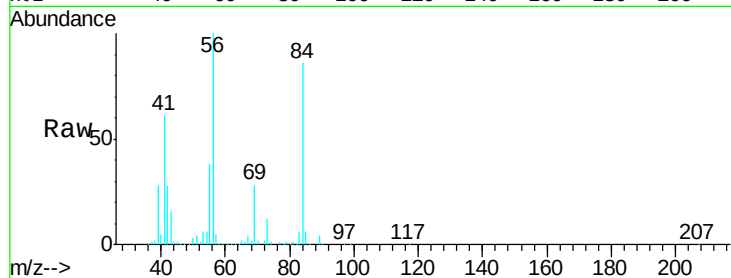




#29
Cyclohexane
Concen: 98.146 ug/L
RT: 7.79 min Scan# 993
Delta R.T. 0.01 min
Lab File: VY000676.D
Acq: 14 Nov 2019 13:00

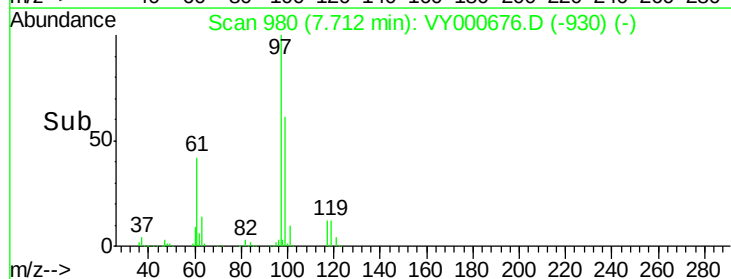
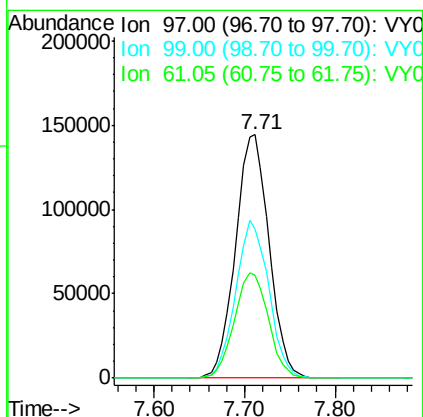
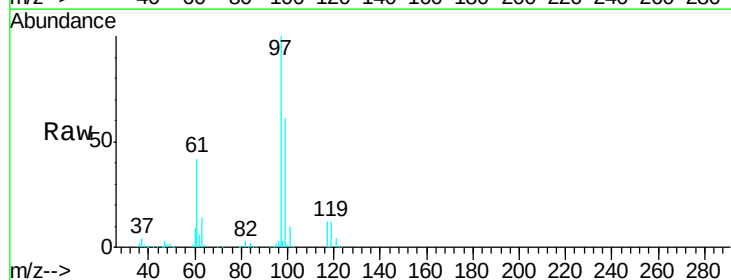
Instrument :
MSVOA_Y
ClientSampleId :
VSTD10077

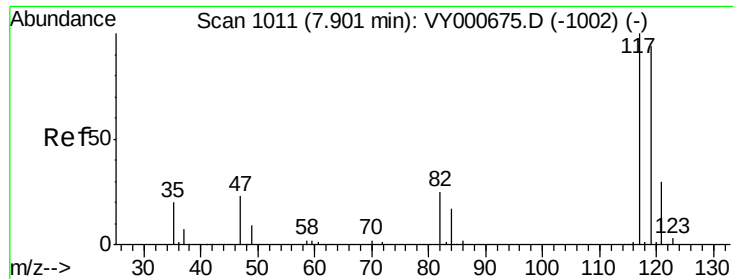
Tgt Ion: 56 Resp: 396034
Ion Ratio Lower Upper
56 100
69 30.0 24.4 36.6
84 88.2 71.4 107.2



#30
1,1,1-Trichloroethane
Concen: 98.385 ug/L
RT: 7.71 min Scan# 980
Delta R.T. 0.01 min
Lab File: VY000676.D
Acq: 14 Nov 2019 13:00

Tgt Ion: 97 Resp: 371529
Ion Ratio Lower Upper
97 100
99 63.5 52.2 78.2
61 43.7 35.0 52.4





#31

Carbon tetrachloride

Concen: 97.140 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VY000676.D

Acq: 14 Nov 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

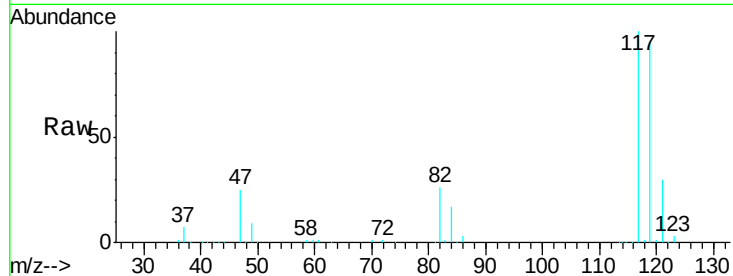
VSTD10077

Tgt Ion:117 Resp: 328433

Ion Ratio Lower Upper

117 100

119 96.0 75.5 113.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

7.91

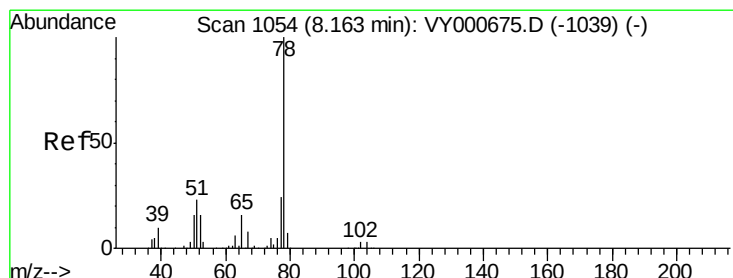
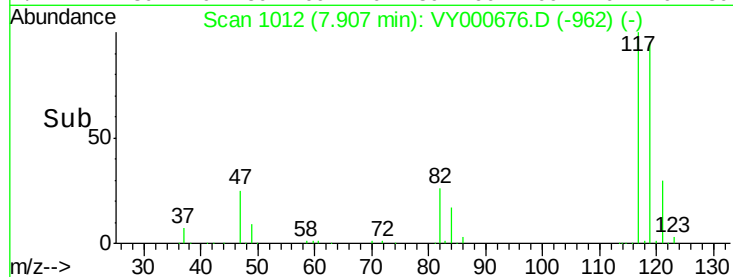
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 95.836 ug/L

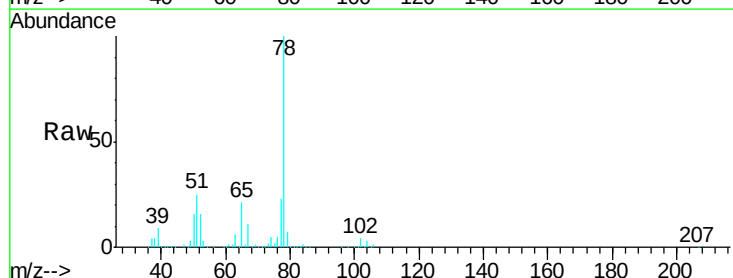
RT: 8.16 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VY000676.D

Acq: 14 Nov 2019 13:00

Tgt Ion: 78 Resp: 986919



Abundance Ion 78.00 (77.70 to 78.70): VY0

500000

400000

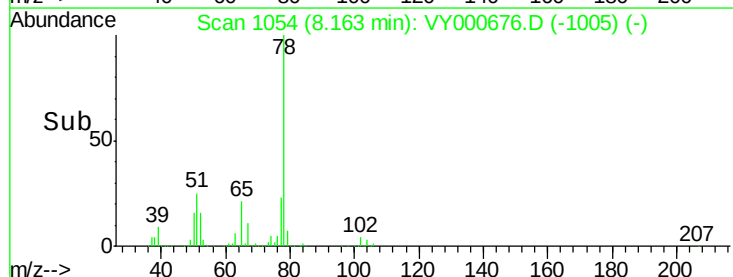
300000

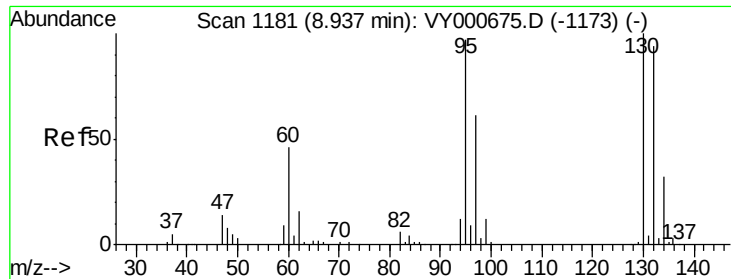
200000

100000

0

Time-->

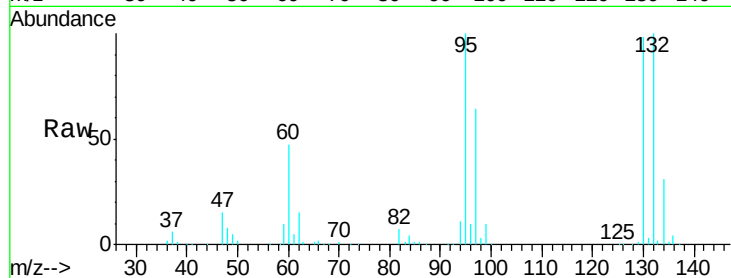




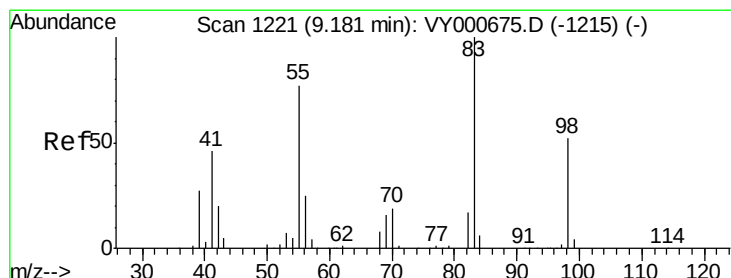
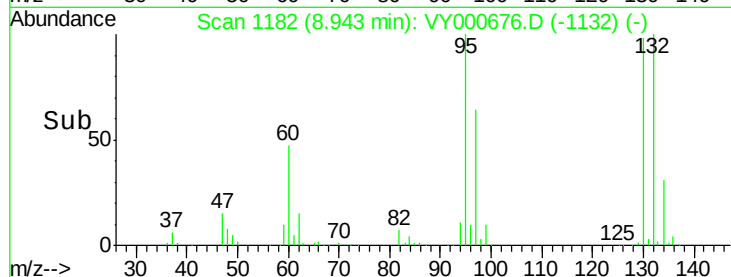
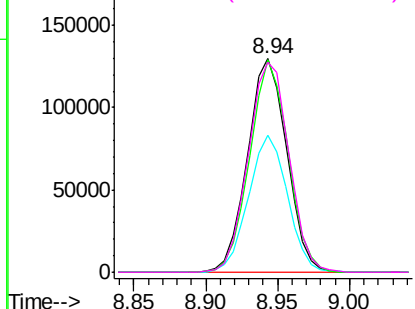
#34
 Trichloroethene
 Concen: 94.801 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VY000676.D
 Acq: 14 Nov 2019 13:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD10077

Tgt Ion:	95	Resp:	245132
Ion	Ratio	Lower	Upper
95	100		
97	64.3	43.8	81.3
132	99.5	67.8	126.0
130	98.1	71.9	133.5

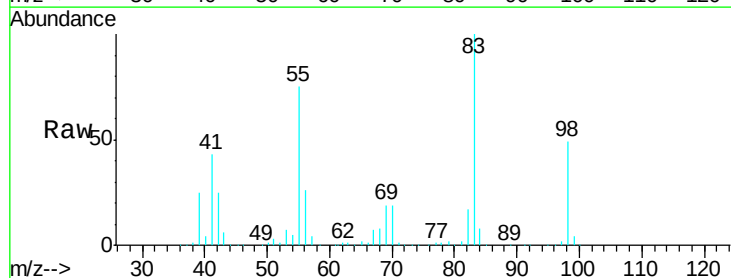


Abundance Ion 95.00 (94.70 to 95.70): VY0
 Ion 97.00 (96.70 to 97.70): VY0
 Ion 132.00 (131.70 to 132.70): VY0
 Ion 130.00 (129.70 to 130.70): VY0

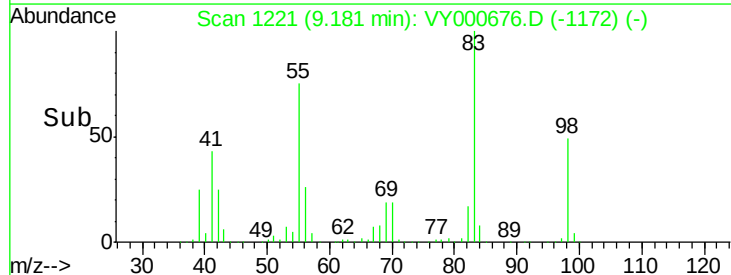
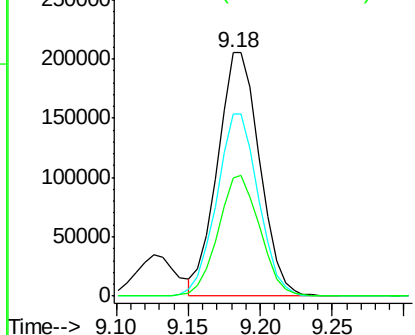


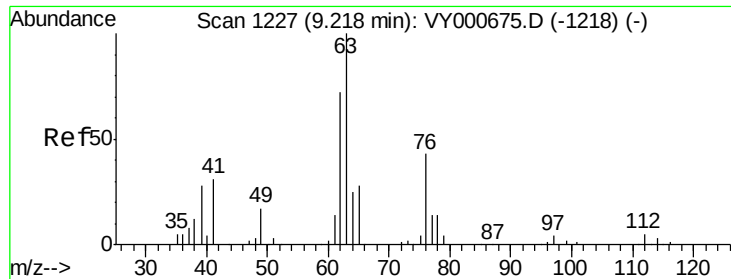
#35
 Methylcyclohexane
 Concen: 98.668 ug/L
 RT: 9.18 min Scan# 1221
 Delta R.T. -0.00 min
 Lab File: VY000676.D
 Acq: 14 Nov 2019 13:00

Tgt Ion:	83	Resp:	421178
Ion	Ratio	Lower	Upper
83	100		
55	73.7	60.4	90.6
98	49.3	40.3	60.5



Abundance Ion 83.00 (82.70 to 83.70): VY0
 Ion 55.00 (54.70 to 55.70): VY0
 Ion 98.00 (97.70 to 98.70): VY0

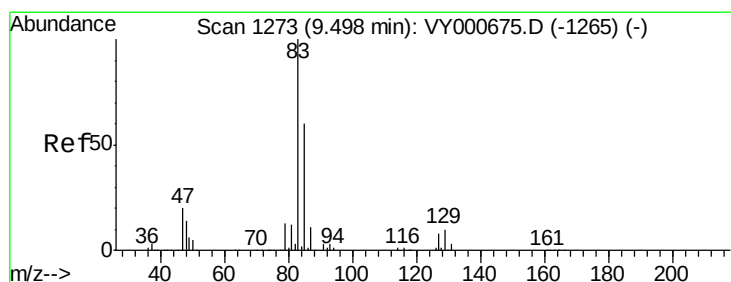
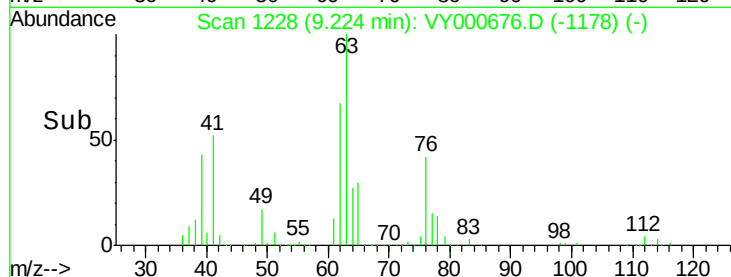
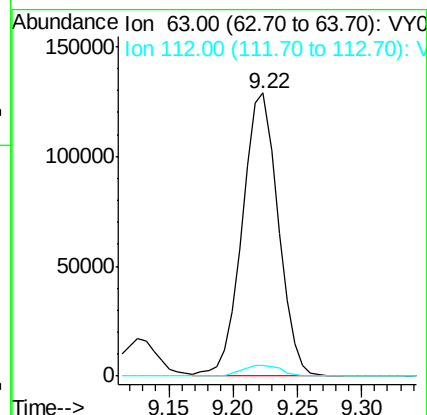
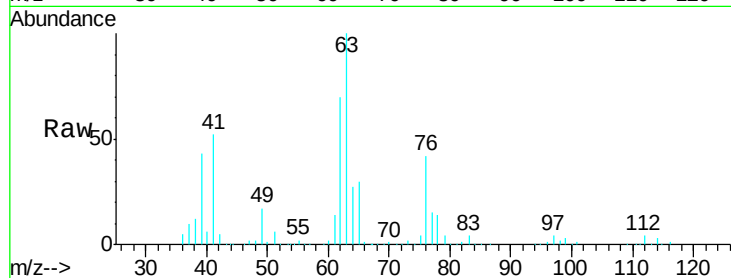




#37
 1,2-Dichloropropane
 Concen: 97.548 ug/L
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY000676.D
 Acq: 14 Nov 2019 13:00

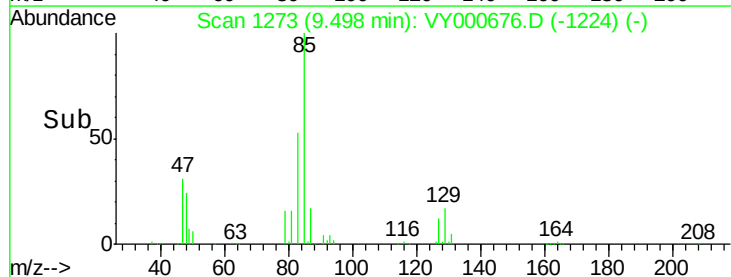
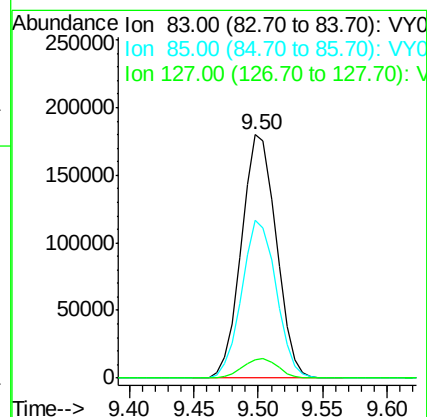
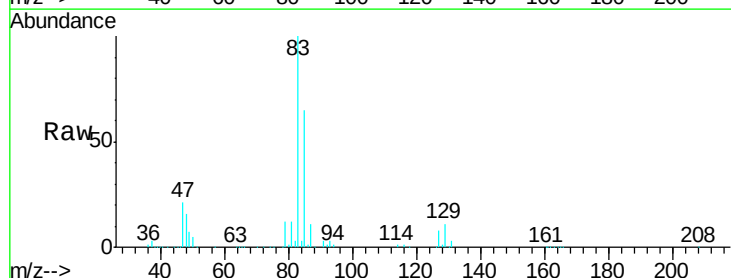
Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD10077

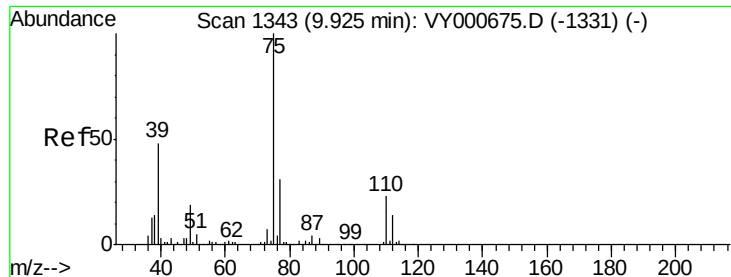
Tgt Ion: 63 Resp: 249185
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.8 5.6



#38
 Bromodichloromethane
 Concen: 98.112 ug/L
 RT: 9.50 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VY000676.D
 Acq: 14 Nov 2019 13:00

Tgt Ion: 83 Resp: 336686
 Ion Ratio Lower Upper
 83 100
 85 64.6 42.2 78.4
 127 7.8 6.4 9.6



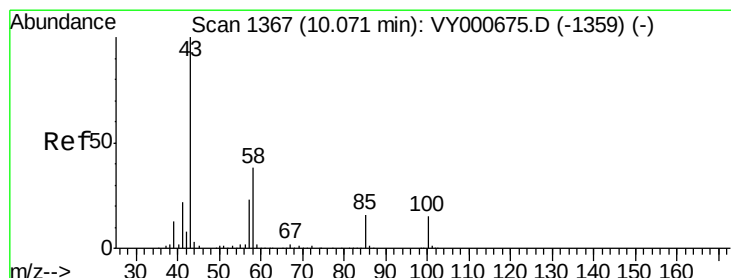
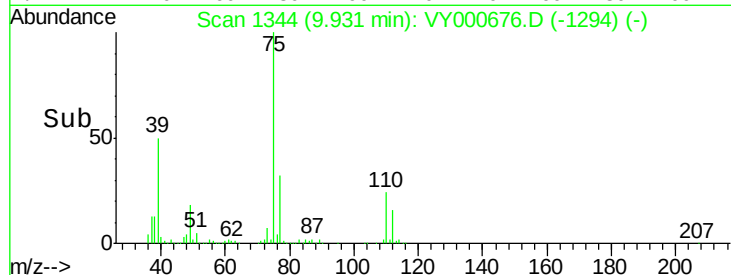
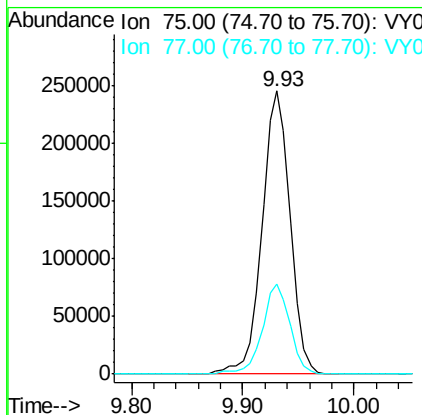
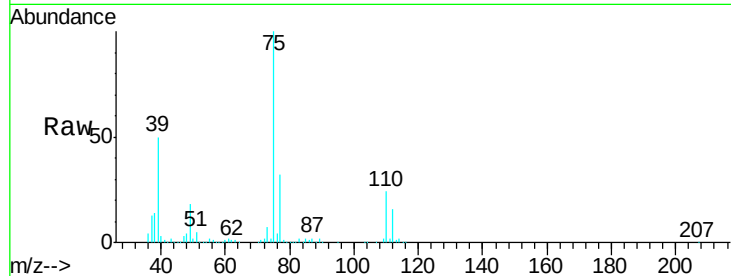


#39

cis-1,3-Dichloropropene
 Concen: 98.998 ug/L
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.01 min
 Lab File: VY000676.D
 Acq: 14 Nov 2019 13:00

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD10077

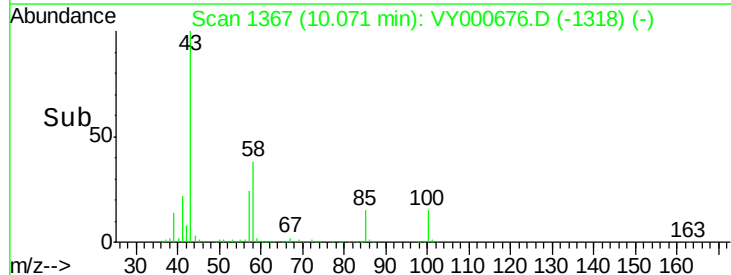
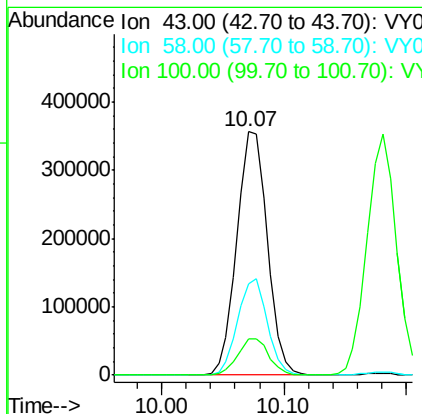
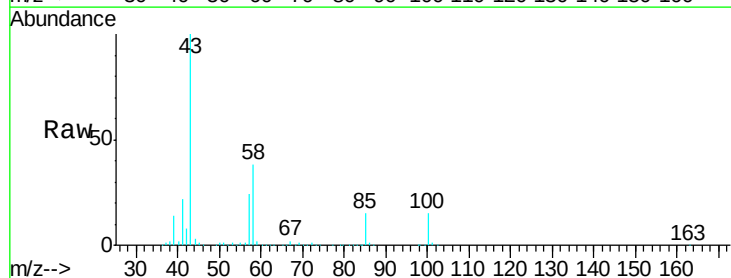
Tgt Ion: 75 Resp: 429697
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.7 40.3

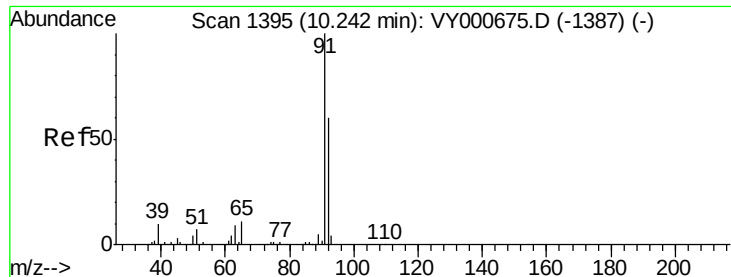


#40

4-Methyl-2-pentanone
 Concen: 105.585 ug/L
 RT: 10.07 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VY000676.D
 Acq: 14 Nov 2019 13:00

Tgt Ion: 43 Resp: 618822
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.2 45.2
 100 14.9 12.2 18.2





#42

Toluene

Concen: 98.119 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY000676.D

Acq: 14 Nov 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

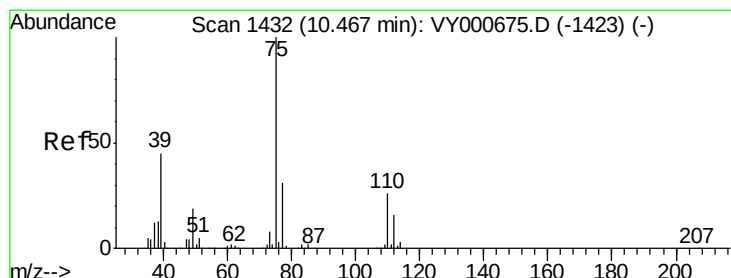
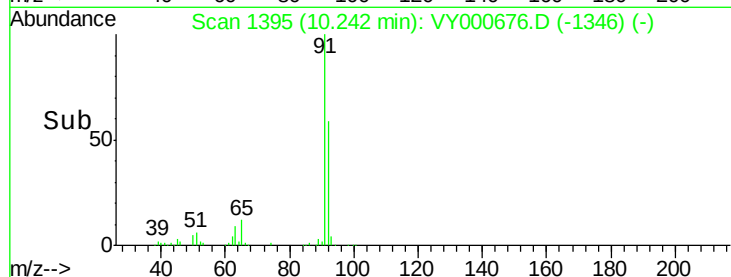
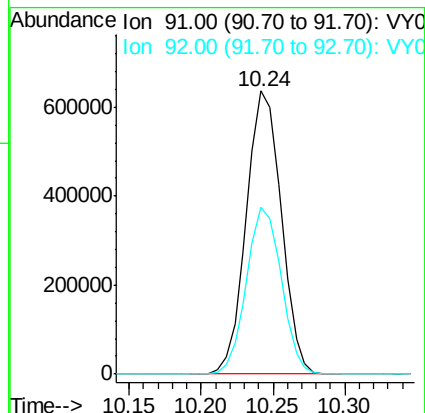
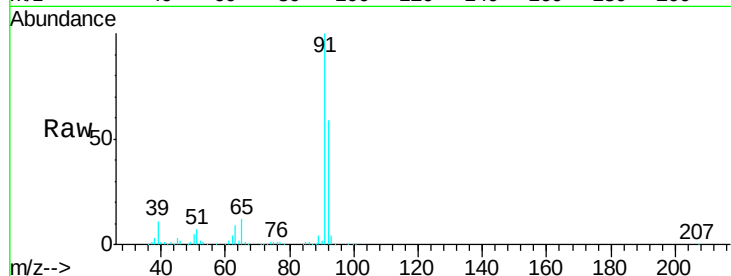
VSTD10077

Tgt Ion: 91 Resp: 1069525

Ion Ratio Lower Upper

91 100

92 58.9 42.2 78.4



#44

trans-1,3-Dichloropropene

Concen: 103.104 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY000676.D

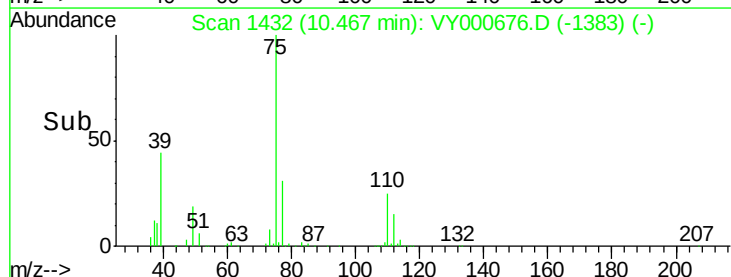
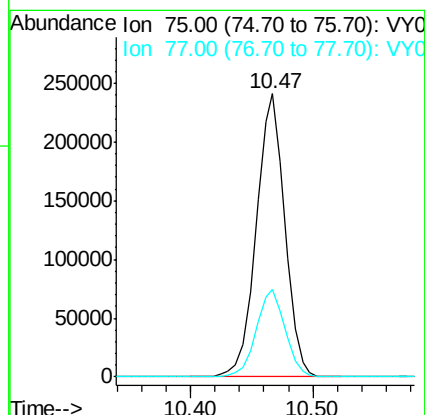
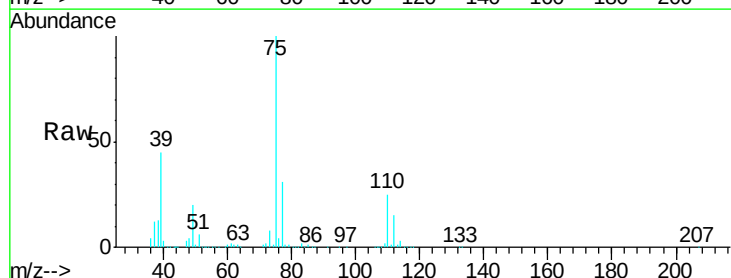
Acq: 14 Nov 2019 13:00

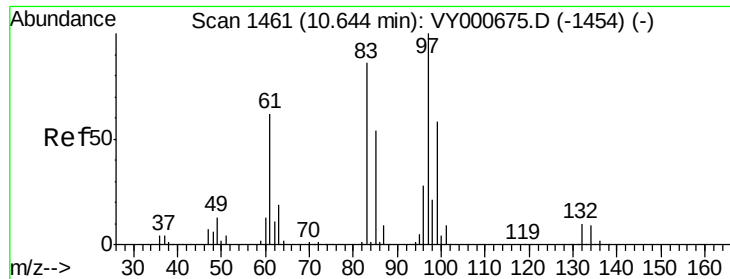
Tgt Ion: 75 Resp: 391841

Ion Ratio Lower Upper

75 100

77 31.1 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 95.463 ug/L

RT: 10.64 min Scan# 1461

Delta R.T. -0.00 min

Lab File: VY000676.D

Acq: 14 Nov 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTD10077

Tgt Ion: 97 Resp: 231366

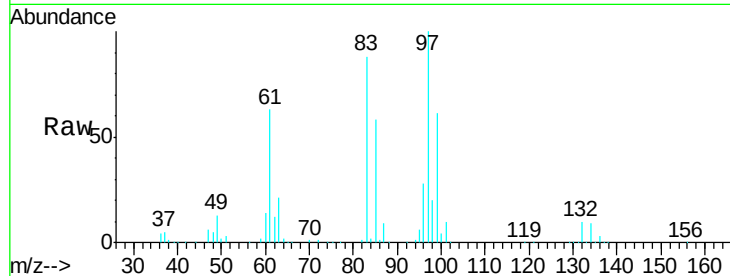
Ion Ratio Lower Upper

97 100

99 60.5 40.6 75.4

83 88.4 60.0 111.4

85 58.4 37.9 70.5

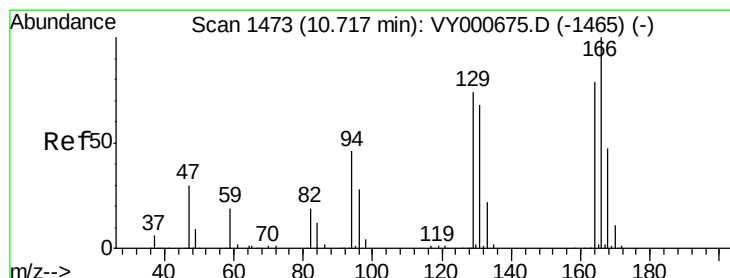
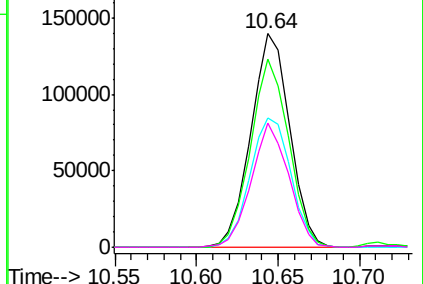
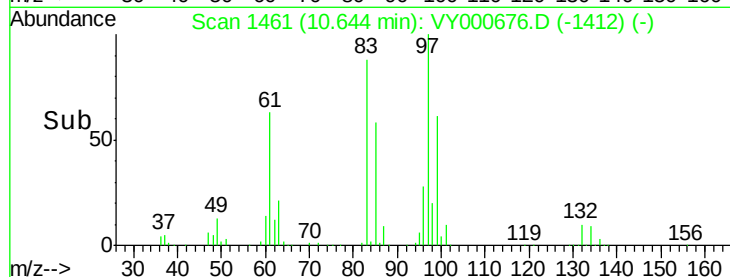


Abundance Ion 97.00 (96.70 to 97.70): VY0

Ion 99.00 (98.70 to 99.70): VY0

Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#46

Tetrachloroethene

Concen: 95.857 ug/L

RT: 10.72 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VY000676.D

Acq: 14 Nov 2019 13:00

Tgt Ion: 164 Resp: 191781

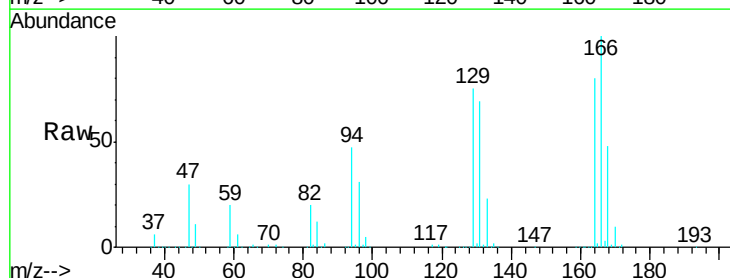
Ion Ratio Lower Upper

164 100

129 93.8 65.5 121.7

131 86.7 60.1 111.7

166 124.9 88.1 163.7

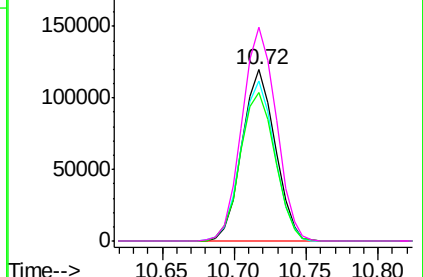
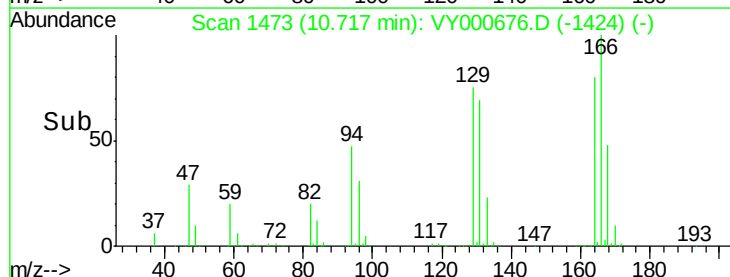


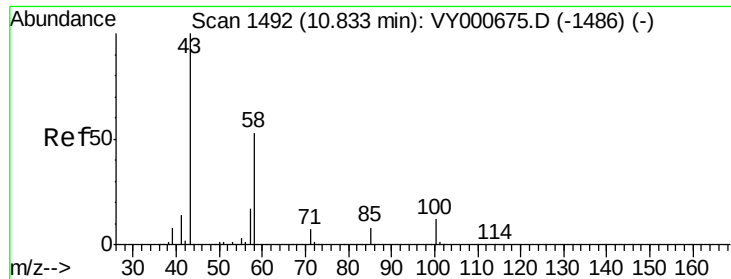
Abundance Ion 164.00 (163.70 to 164.70): V

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

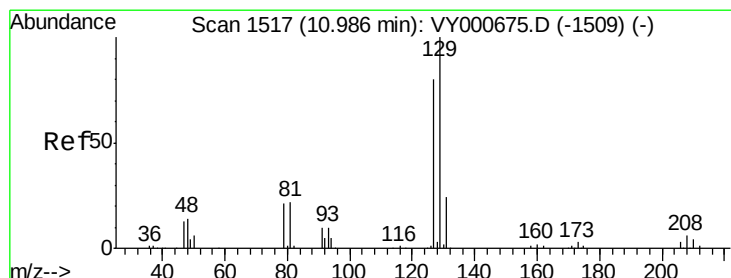
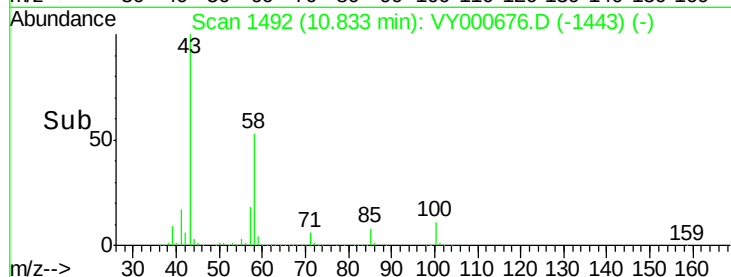
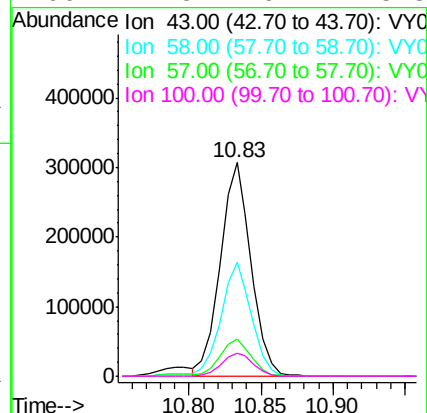
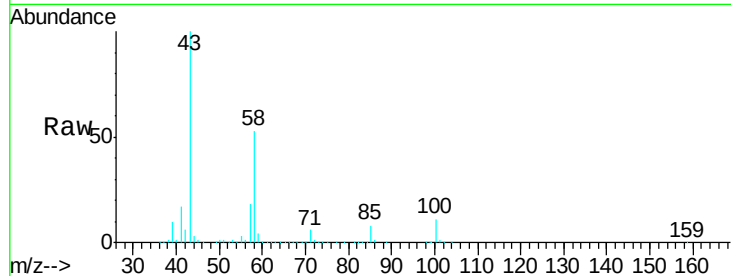




#48
2-Hexanone
Concen: 108.152 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000676.D
Acq: 14 Nov 2019 13:00

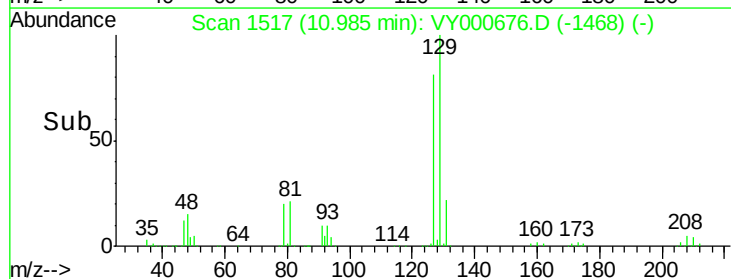
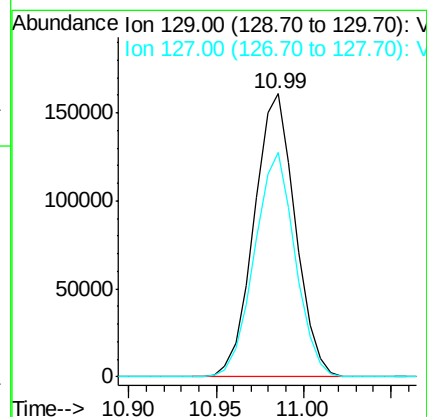
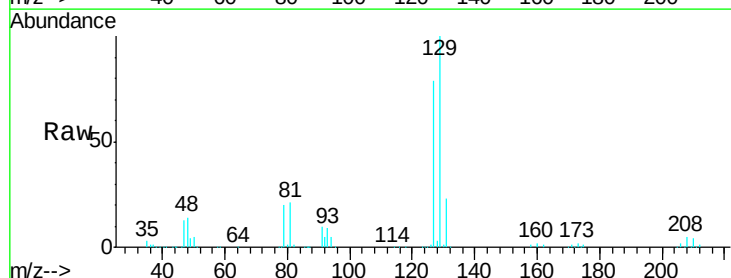
Instrument :
MSVOA_Y
ClientSampleId :
VSTD10077

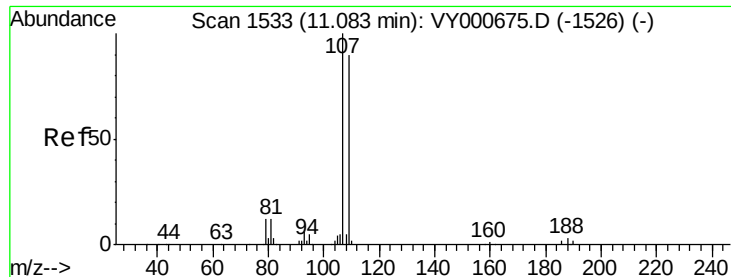
Tgt Ion: 43 Resp: 457653
Ion Ratio Lower Upper
43 100
58 52.6 42.3 63.5
57 17.6 13.8 20.6
100 11.3 9.2 13.8



#49
Dibromochloromethane
Concen: 101.190 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000676.D
Acq: 14 Nov 2019 13:00

Tgt Ion: 129 Resp: 265641
Ion Ratio Lower Upper
129 100
127 79.2 55.9 103.7

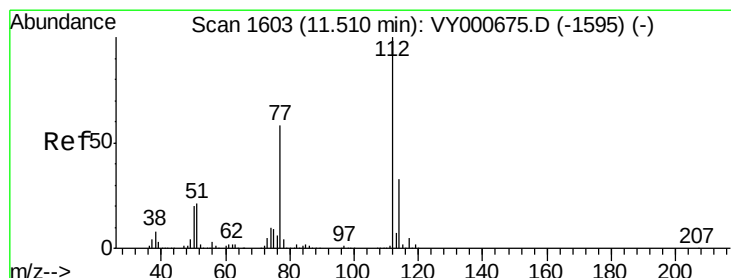
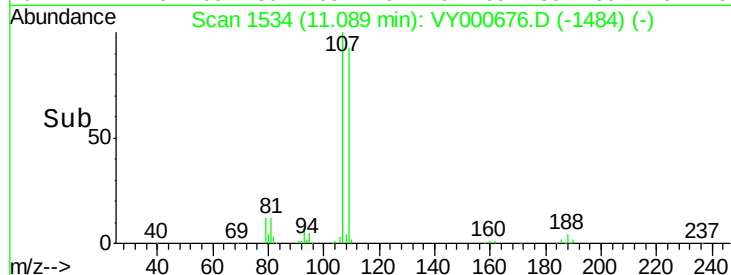
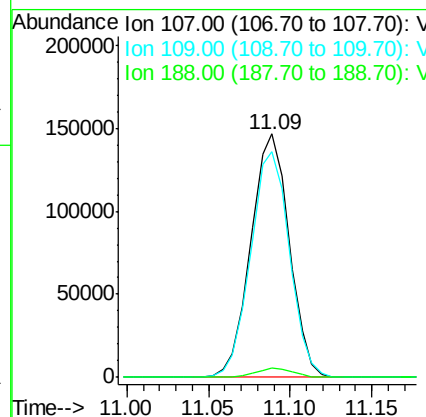
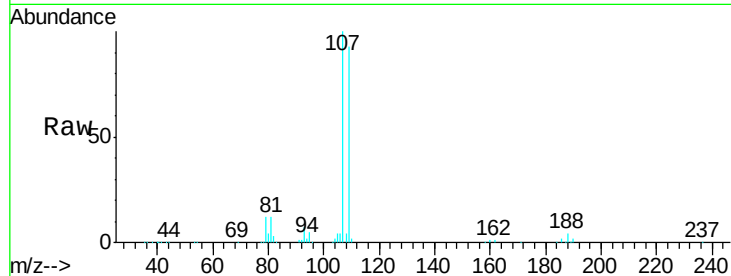




#50
1,2-Dibromoethane
Concen: 99.432 ug/L
RT: 11.09 min Scan# 1534
Delta R.T. 0.01 min
Lab File: VY000676.D
Acq: 14 Nov 2019 13:00

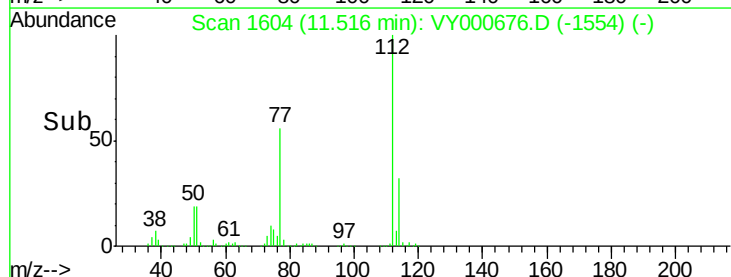
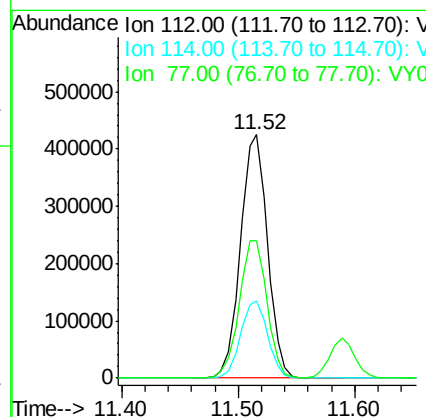
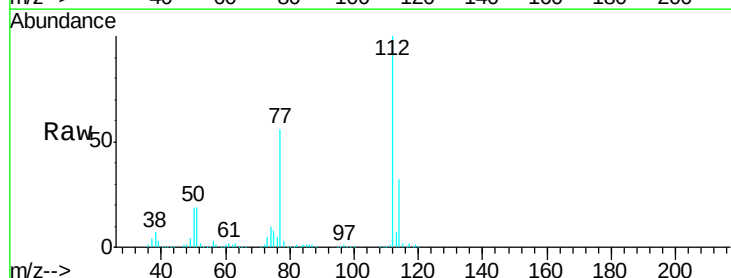
Instrument :
MSVOA_Y
ClientSampleId :
VSTD10077

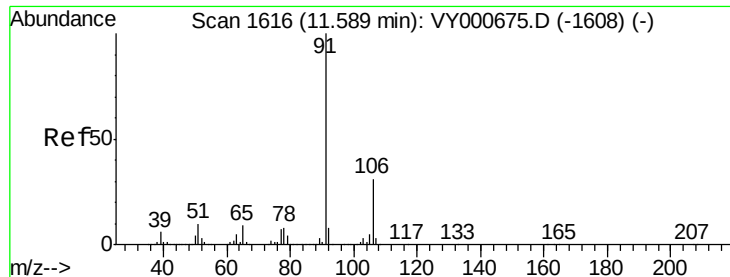
Tgt Ion:107 Resp: 241194
Ion Ratio Lower Upper
107 100
109 92.8 62.9 116.9
188 3.7 2.4 3.6#



#51
Chlorobenzene
Concen: 97.851 ug/L
RT: 11.52 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VY000676.D
Acq: 14 Nov 2019 13:00

Tgt Ion:112 Resp: 687175
Ion Ratio Lower Upper
112 100
114 31.5 23.3 43.3
77 56.2 46.5 69.7





#52

Ethylbenzene

Concen: 99.581 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY000676.D

Acq: 14 Nov 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

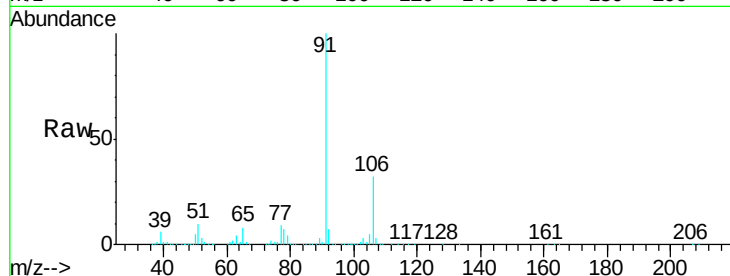
VSTD10077

Tgt Ion: 91 Resp: 1238737

Ion Ratio Lower Upper

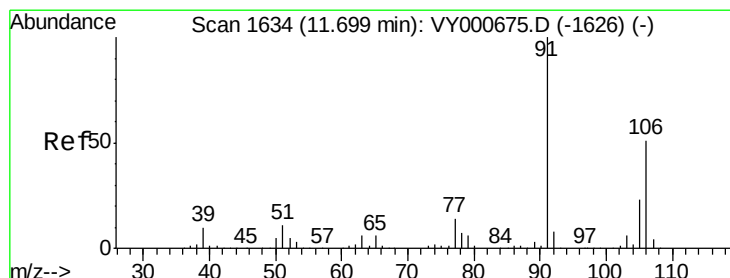
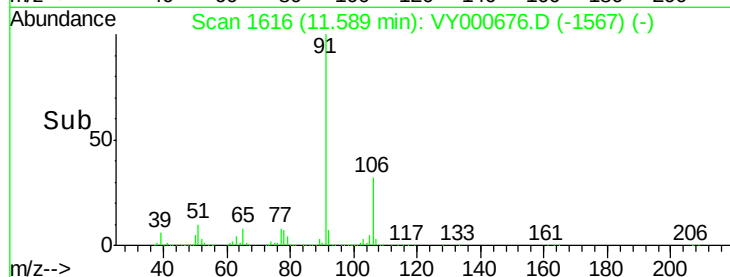
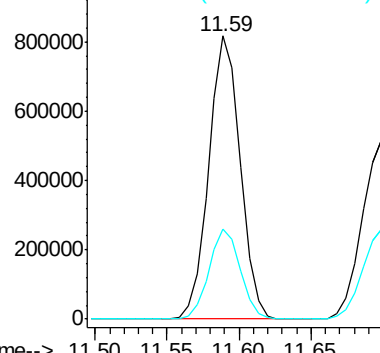
91 100

106 31.7 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): VY0



#53

m,p-Xylene

Concen: 97.809 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY000676.D

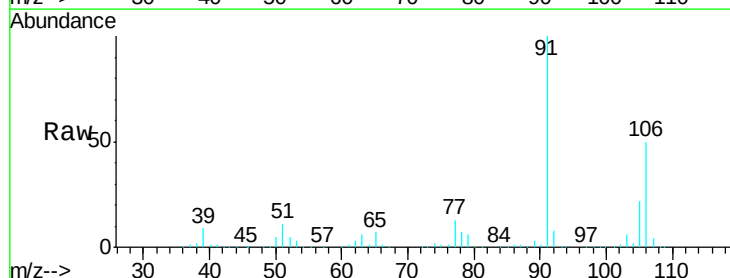
Acq: 14 Nov 2019 13:00

Tgt Ion: 106 Resp: 467982

Ion Ratio Lower Upper

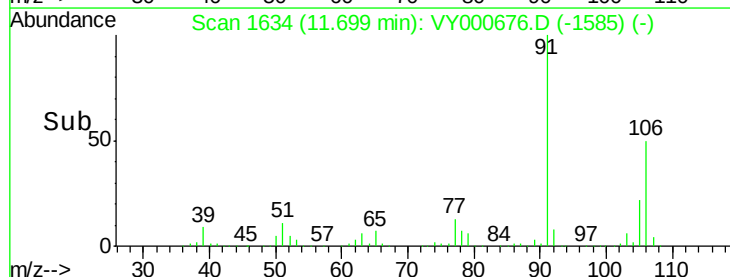
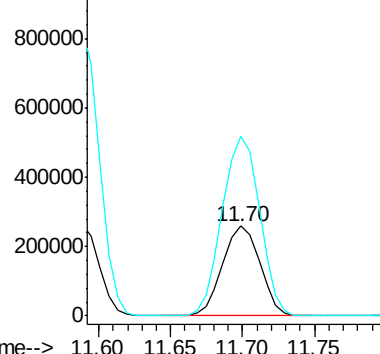
106 100

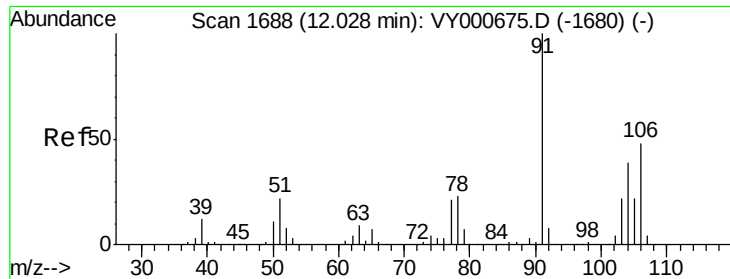
91 200.4 137.6 255.6



Abundance Ion 106.00 (105.70 to 106.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





#54

o-xylene

Concen: 99.265 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VY000676.D

Acq: 14 Nov 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

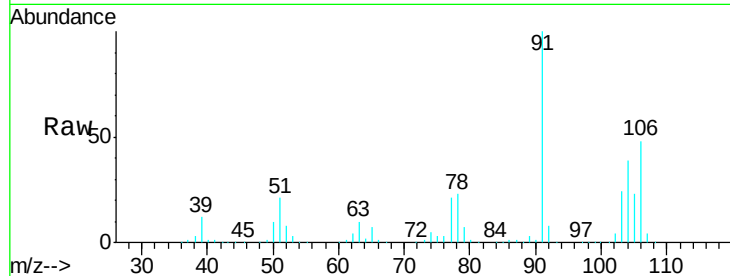
VSTD10077

Tgt Ion:106 Resp: 465621

Ion Ratio Lower Upper

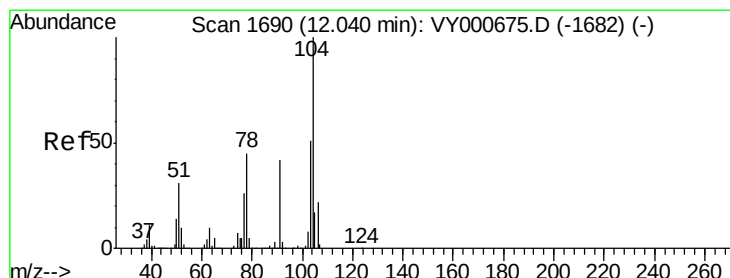
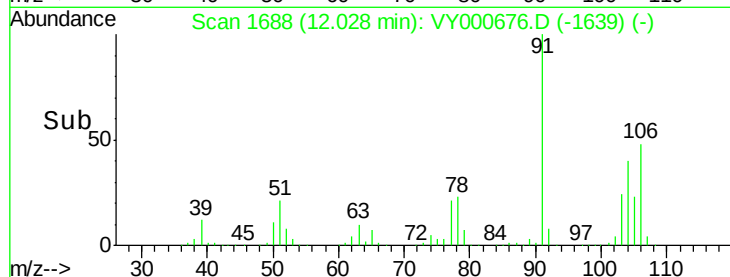
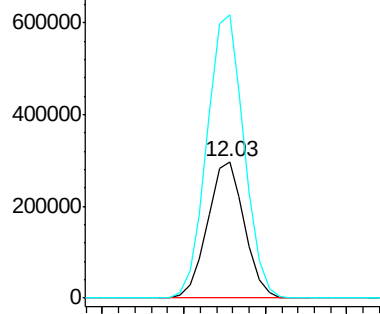
106 100

91 207.6 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

Styrene

Concen: 103.096 ug/L

RT: 12.04 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VY000676.D

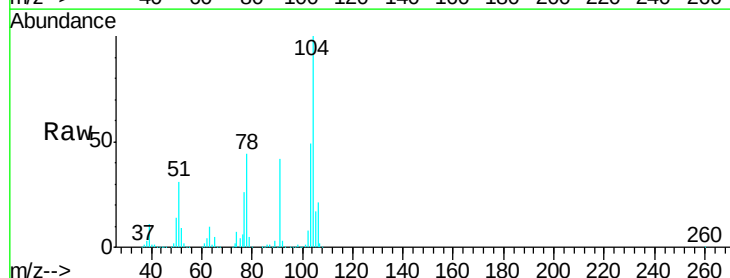
Acq: 14 Nov 2019 13:00

Tgt Ion:104 Resp: 821695

Ion Ratio Lower Upper

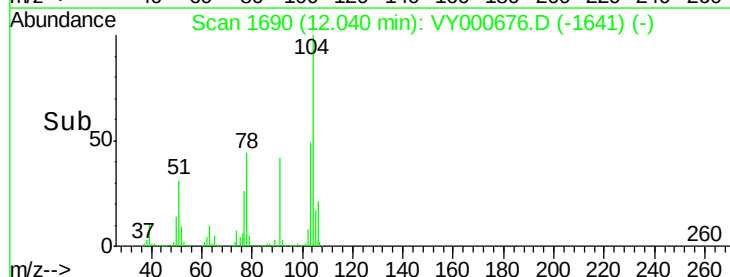
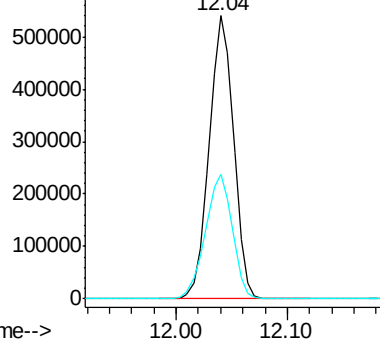
104 100

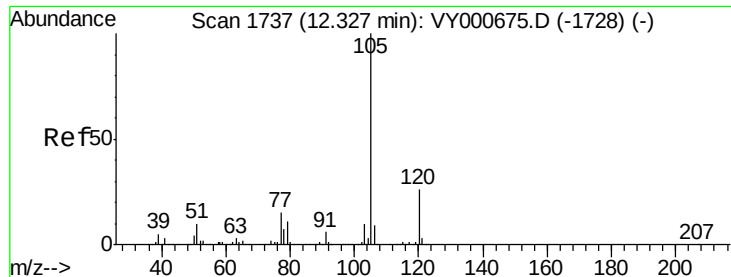
78 43.9 31.4 58.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#56

Isopropylbenzene

Concen: 101.209 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000676.D

Acq: 14 Nov 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTD10077

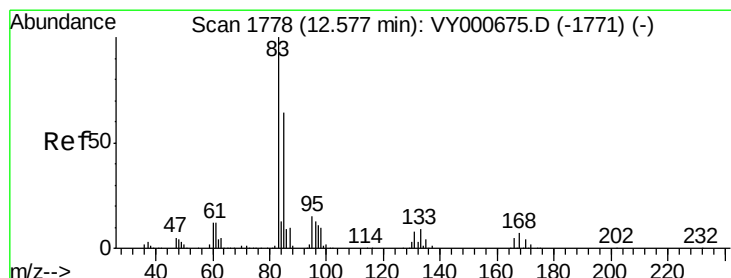
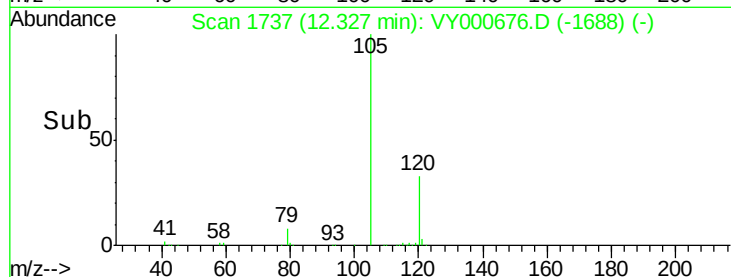
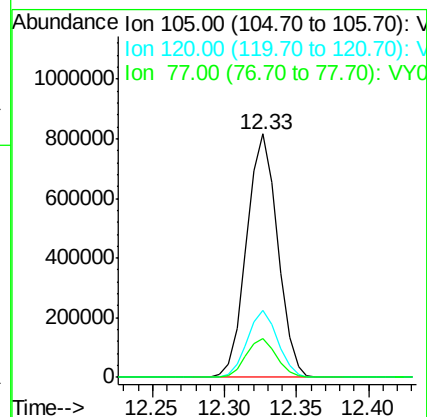
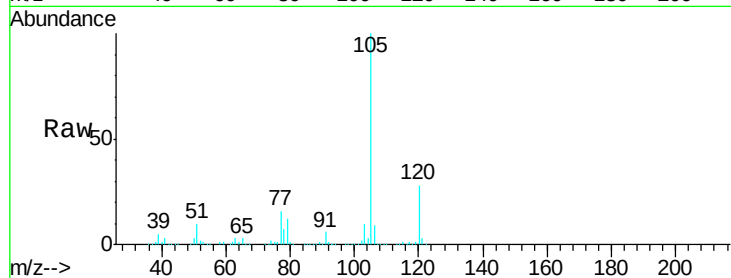
Tgt Ion: 105 Resp: 1215104

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.2

77 15.7 12.9 19.3



#58

1,1,2,2-Tetrachloroethane

Concen: 103.467 ug/L

RT: 12.58 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VY000676.D

Acq: 14 Nov 2019 13:00

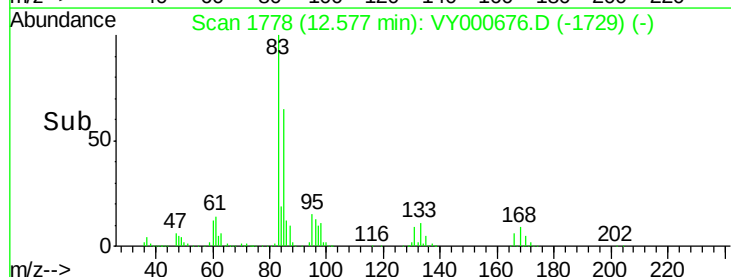
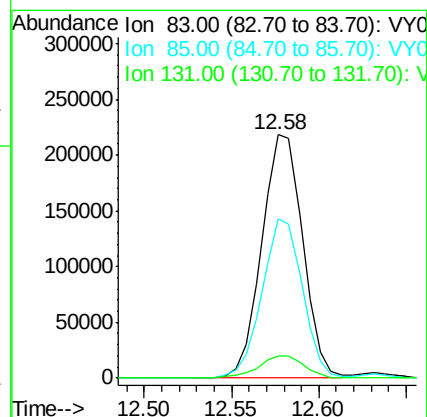
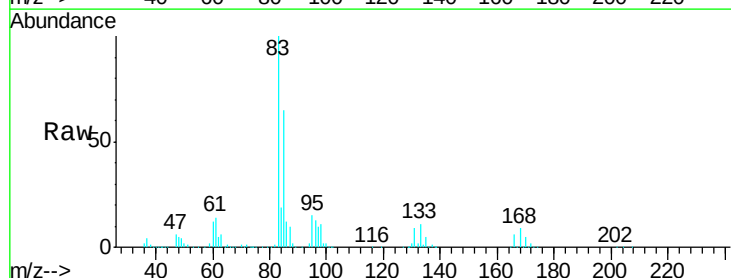
Tgt Ion: 83 Resp: 354714

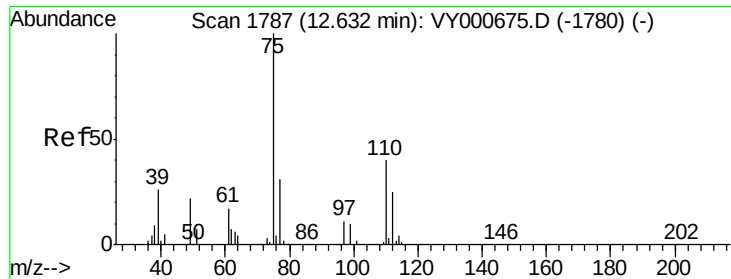
Ion Ratio Lower Upper

83 100

85 65.4 45.0 83.6

131 9.2 6.6 9.8

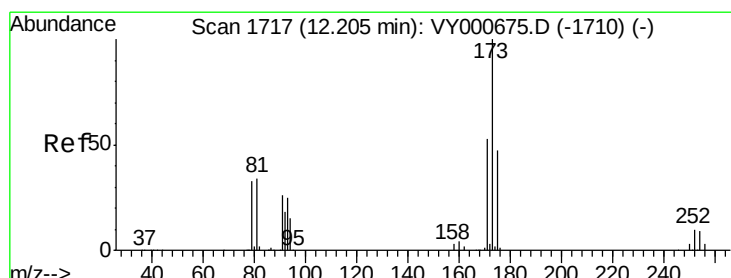
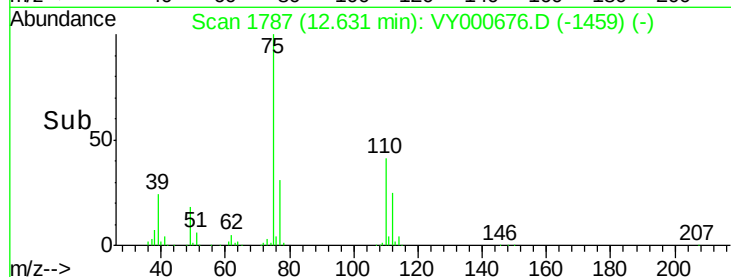
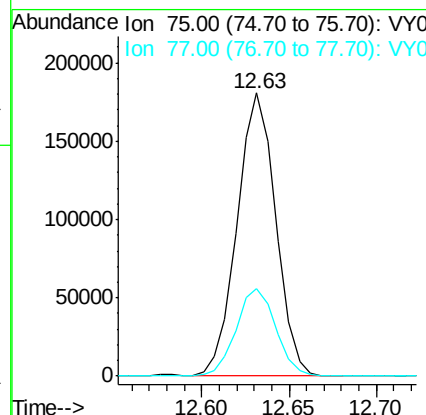
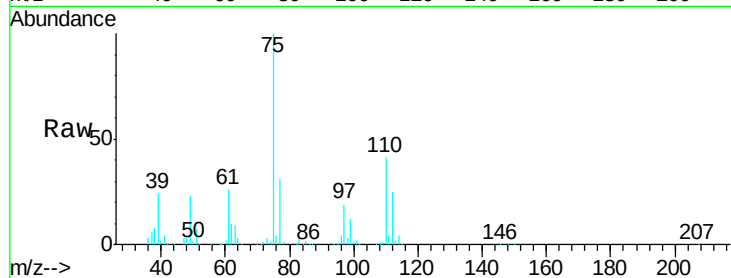




#59
 1,2,3-Trichloropropane
 Concen: 102.260 ug/L
 RT: 12.63 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: VY000676.D
 Acq: 14 Nov 2019 13:00

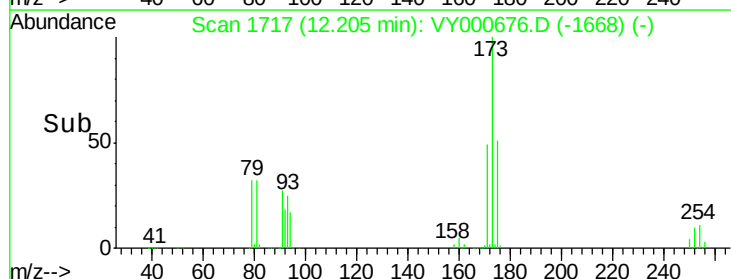
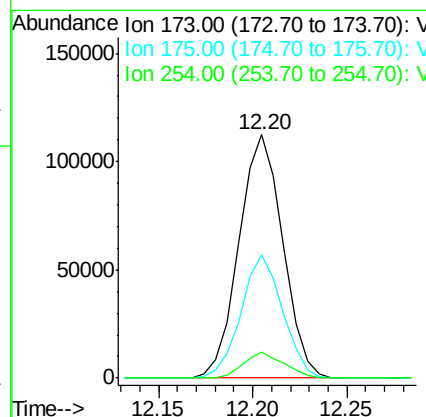
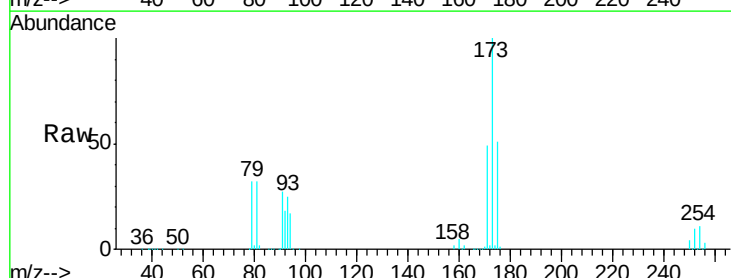
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD10077

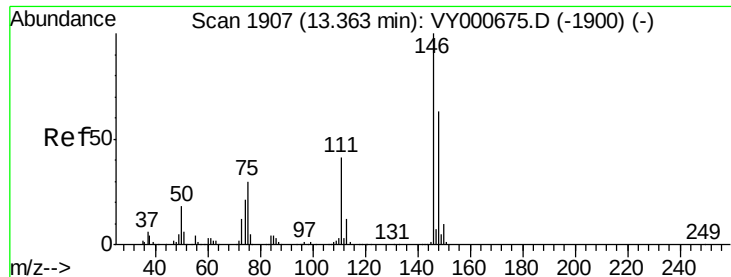
Tgt Ion: 75 Resp: 277379
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.5 38.3



#61
 Bromoform
 Concen: 105.031 ug/L
 RT: 12.20 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: VY000676.D
 Acq: 14 Nov 2019 13:00

Tgt Ion: 173 Resp: 180837
 Ion Ratio Lower Upper
 173 100
 175 48.4 36.6 55.0
 254 9.8 7.4 11.2





#62

1,3-Dichlorobenzene

Concen: 99.798 ug/L

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY000676.D

Acq: 14 Nov 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTD10077

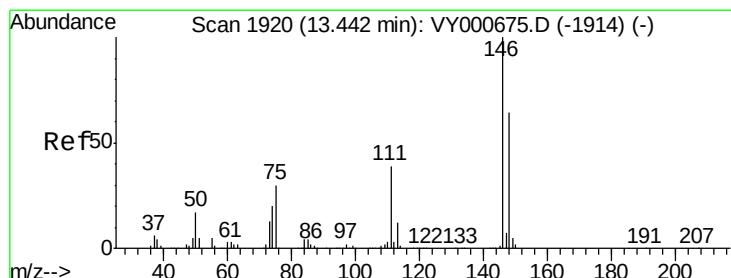
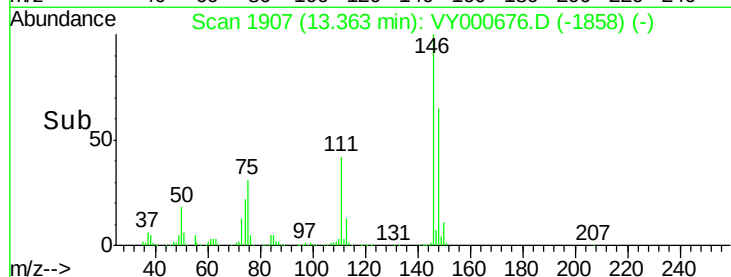
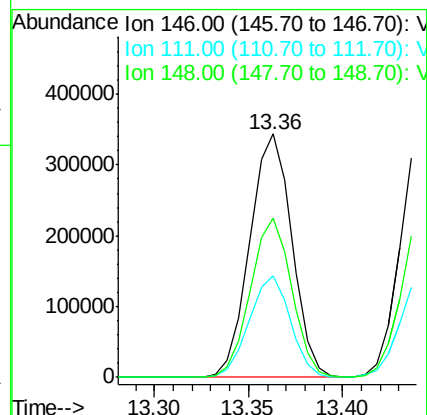
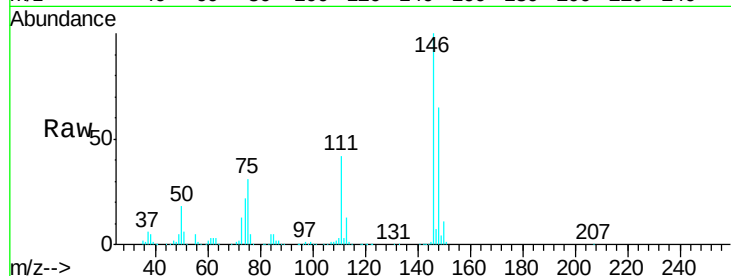
Tgt Ion:146 Resp: 532270

Ion Ratio Lower Upper

146 100

111 41.9 28.4 52.8

148 65.4 44.1 81.9



#63

1,4-Dichlorobenzene

Concen: 98.271 ug/L

RT: 13.44 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VY000676.D

Acq: 14 Nov 2019 13:00

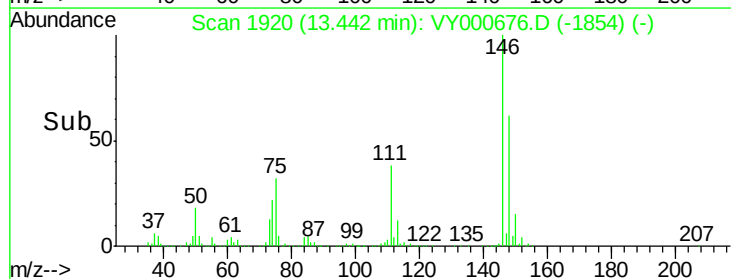
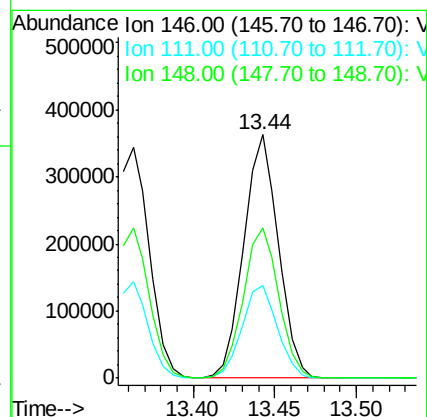
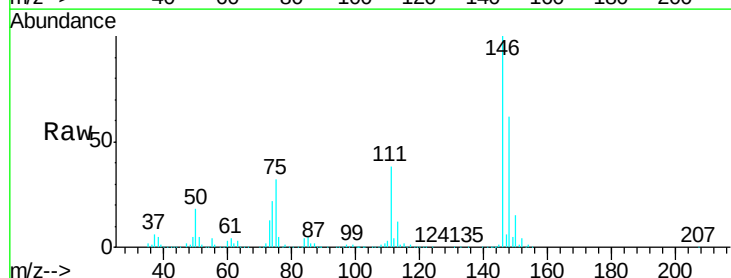
Tgt Ion:146 Resp: 536957

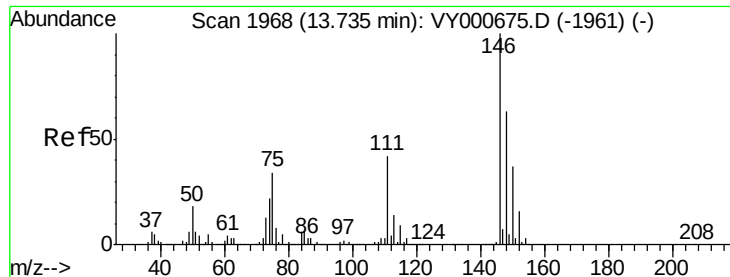
Ion Ratio Lower Upper

146 100

111 38.0 27.4 51.0

148 61.6 45.2 84.0

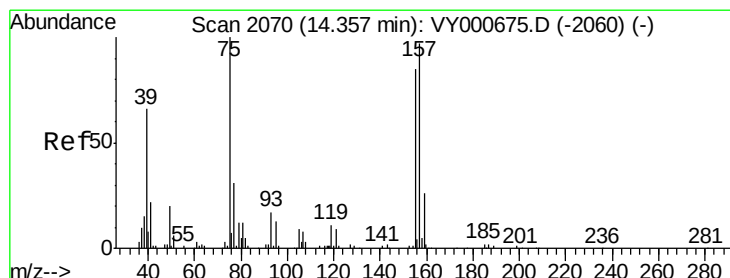
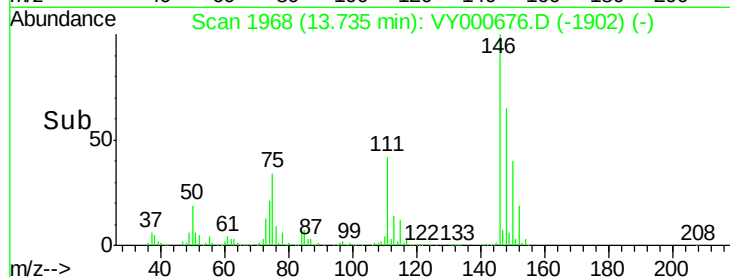
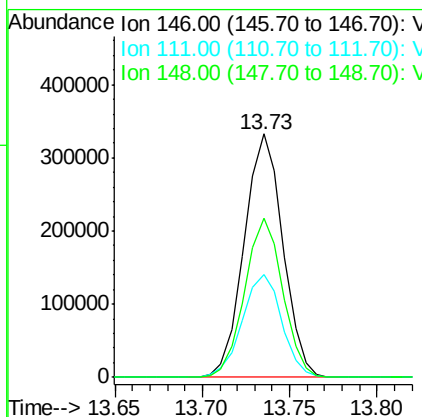
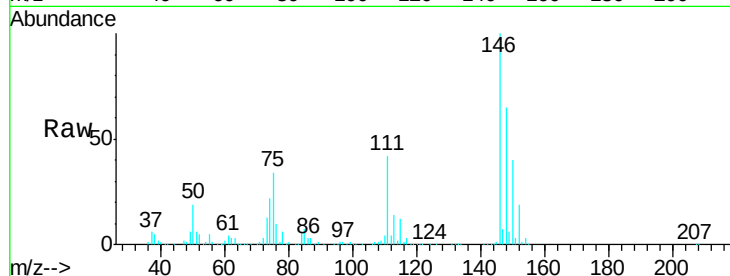




#65
 1,2-Dichlorobenzene
 Concen: 97.196 ug/L
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY000676.D
 Acq: 14 Nov 2019 13:00

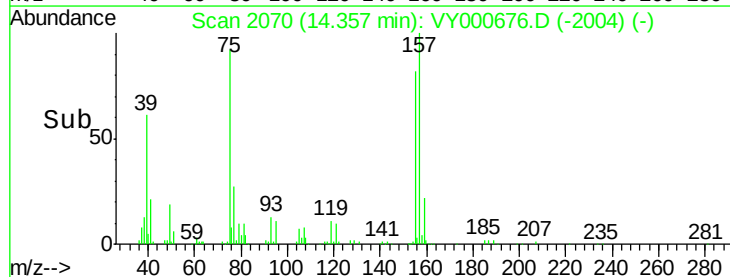
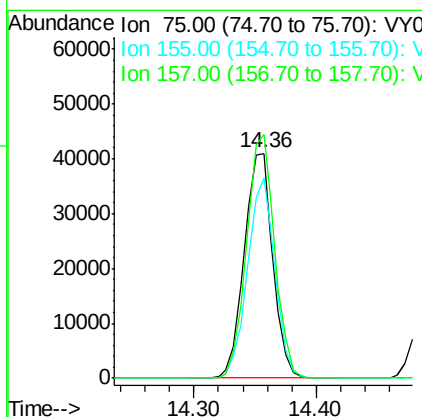
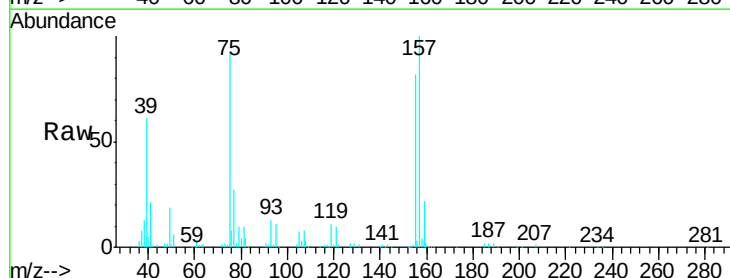
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD10077

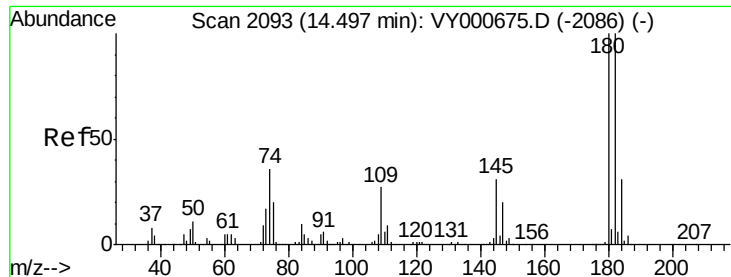
Tgt Ion:146 Resp: 510624
 Ion Ratio Lower Upper
 146 100
 111 42.4 33.4 50.0
 148 65.2 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 104.195 ug/L
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY000676.D
 Acq: 14 Nov 2019 13:00

Tgt Ion: 75 Resp: 66126
 Ion Ratio Lower Upper
 75 100
 155 89.1 67.7 101.5
 157 108.3 77.8 116.8

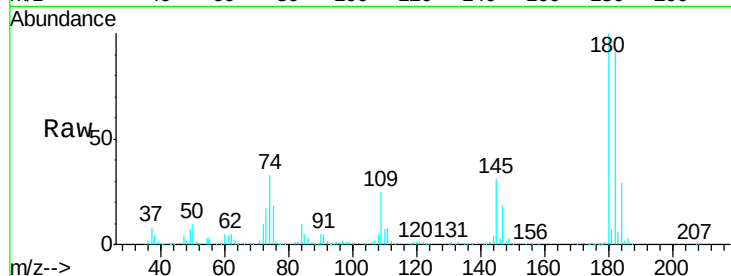




#67
 1,3,5-Trichlorobenzene
 Concen: 95.436 ug/L
 RT: 14.50 min Scan# 2093
 Delta R.T. -0.00 min
 Lab File: VY000676.D
 Acq: 14 Nov 2019 13:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD10077

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	77.8	116.6
184	29.9	25.2	37.8
145	30.6	24.9	37.3

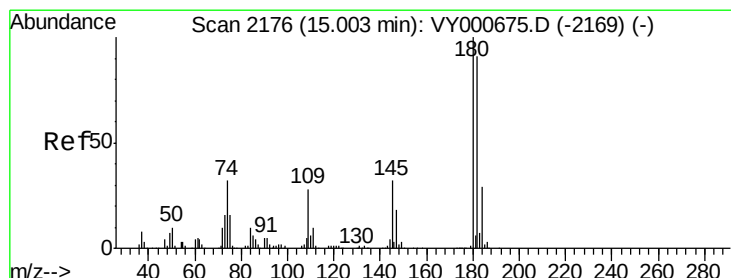
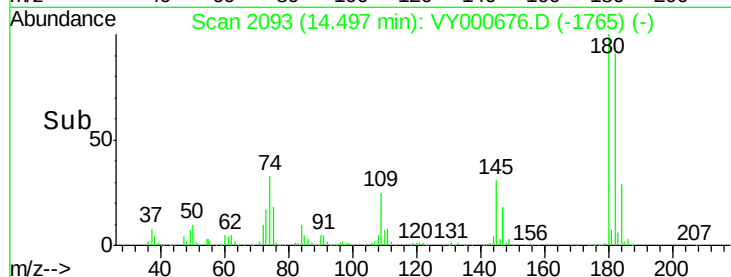
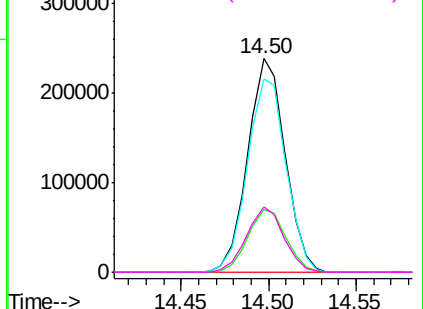


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

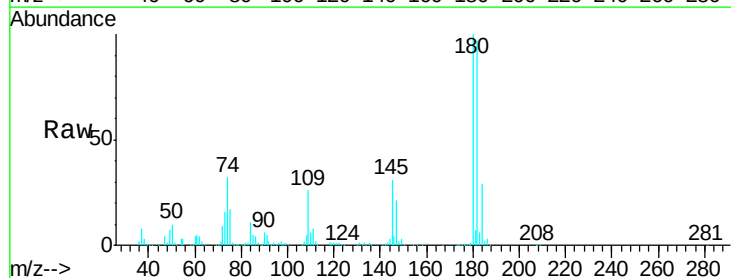
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 96.944 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY000676.D
 Acq: 14 Nov 2019 13:00

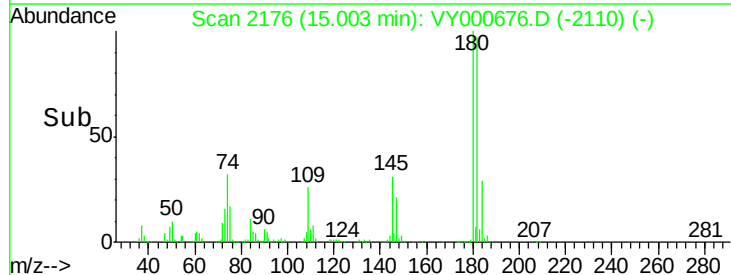
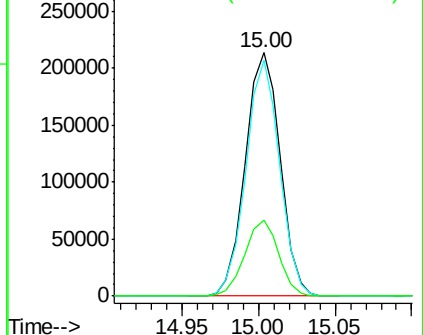
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.5	113.3
145	30.4	25.4	38.0

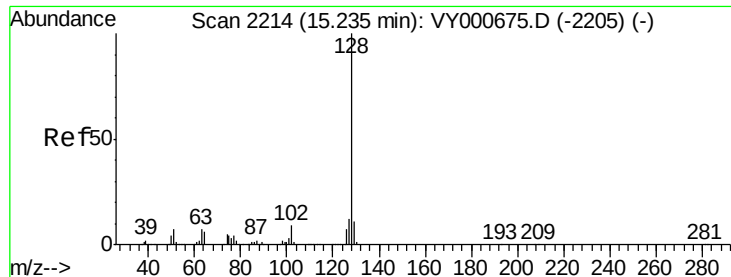


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 101.422 ug/L

RT: 15.23 min Scan# 2213

Delta R.T. -0.01 min

Lab File: VY000676.D

Acq: 14 Nov 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTD10077

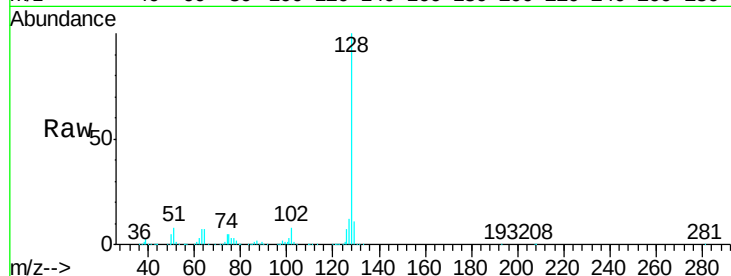
Tgt Ion:128 Resp: 1058233

Ion Ratio Lower Upper

128 100

127 12.2 10.1 15.1

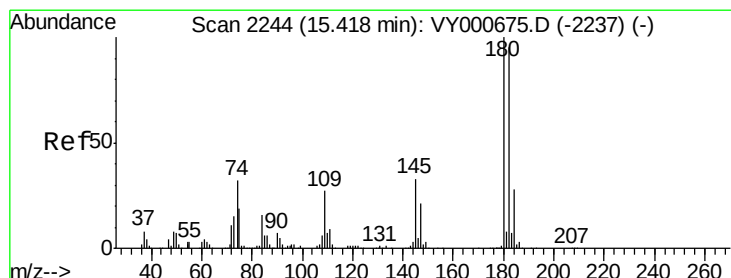
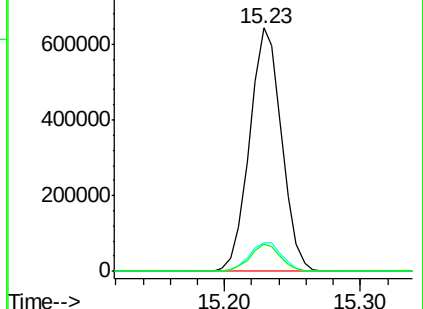
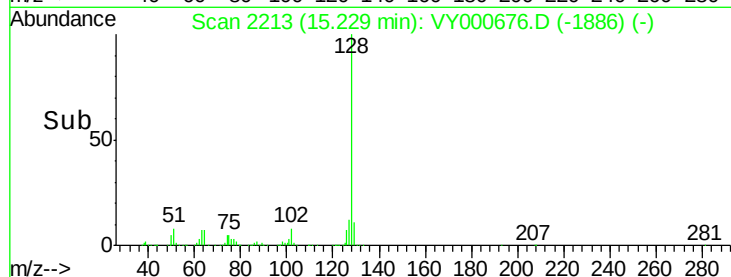
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 97.903 ug/L

RT: 15.42 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VY000676.D

Acq: 14 Nov 2019 13:00

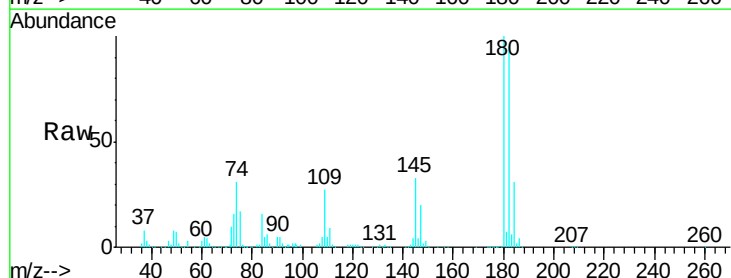
Tgt Ion:180 Resp: 329032

Ion Ratio Lower Upper

180 100

182 95.3 75.3 112.9

145 32.4 25.8 38.8



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

