

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112520\
 Data File : VY003621.D
 Acq On : 25 Nov 2020 13:33
 Operator : SY/MD
 Sample : VSTD05031
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD050406

Quant Time: Nov 26 04:42:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL112520SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 26 04:40:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	236850	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	222265	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	113221	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	152952	45.01	ug/L	0.00
7) Chloroethane-d5	2.77	69	117104	44.60	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.86	63	302112	46.08	ug/L	0.00
21) 2-Butanone-d5	6.90	46	121249	95.04	ug/L	0.00
24) Chloroform-d	7.48	84	289127	46.61	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	158366	45.54	ug/L	0.00
32) Benzene-d6	8.12	84	596310	45.95	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.12	67	180594	46.56	ug/L	0.00
41) Toluene-d8	10.18	98	544237	46.71	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.43	79	87525	46.54	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	99512	102.89	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	181546	46.82	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	191228	46.71	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	137081	48.440	ug/L 98
3) Chloromethane	2.11	50	152863	47.349	ug/L 99
5) Vinyl chloride	2.26	62	165717	48.042	ug/L 99
6) Bromomethane	2.66	94	107740	47.115	ug/L 99
8) Chloroethane	2.80	64	100092	48.565	ug/L 100
9) Trichlorofluoromethane	3.14	101	246594	47.296	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	157259	48.127	ug/L 99
12) 1,1-Dichloroethene	3.88	96	151906	49.371	ug/L # 83
13) Acetone	3.97	43	94372	90.775	ug/L 98
14) Carbon disulfide	4.20	76	508329	48.500	ug/L 99
15) Methyl Acetate	4.48	43	105259	47.193	ug/L 99
16) Methylene chloride	4.73	84	174745	37.018	ug/L 96
17) trans-1,2-Dichloroethene	5.23	96	164035	49.164	ug/L 98
18) Methyl tert-butyl Ether	5.23	73	417781	50.809	ug/L 99
19) 1,1-Dichloroethane	6.03	63	281428	48.458	ug/L 98
20) cis-1,2-Dichloroethene	7.00	96	175981	49.334	ug/L 99
22) 2-Butanone	7.00	43	150489	95.763	ug/L 99
23) Bromochloromethane	7.34	128	84481	48.368	ug/L 99
25) Chloroform	7.51	83	280897	48.126	ug/L 99
27) 1,2-Dichloroethane	8.24	62	188506	48.629	ug/L 98
29) Cyclohexane	7.79	56	270899	50.577	ug/L 99
30) 1,1,1-Trichloroethane	7.71	97	252163	47.859	ug/L 98
31) Carbon tetrachloride	7.90	117	229929	48.150	ug/L 98
33) Benzene	8.17	78	662549	48.524	ug/L 100
34) Trichloroethene	8.94	95	163496	48.140	ug/L 96
35) Methylcyclohexane	9.19	83	291491	49.660	ug/L 99
37) 1,2-Dichloropropane	9.22	63	167020	48.652	ug/L 99
38) Bromodichloromethane	9.50	83	216439	49.441	ug/L 98
39) cis-1,3-Dichloropropene	9.93	75	270398	50.320	ug/L 96
40) 4-Methyl-2-pentanone	10.07	43	304132	100.295	ug/L 100

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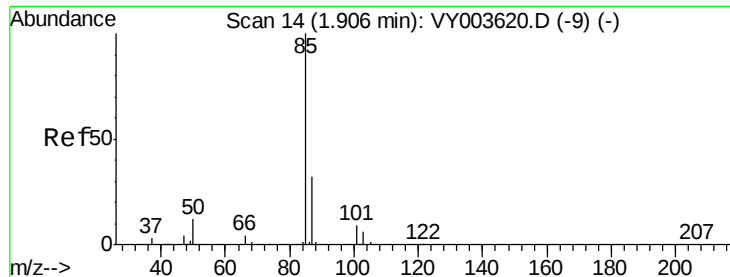
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	10.25	91	714184	49.480	ug/L	98
44) trans-1,3-Dichloropropene	10.47	75	246300	49.948	ug/L	97
45) 1,1,2-Trichloroethane	10.64	97	139121	48.710	ug/L	97
46) Tetrachloroethene	10.72	164	140939	47.686	ug/L	97
48) 2-Hexanone	10.83	43	223490	103.309	ug/L	99
49) Dibromochloromethane	10.98	129	165180	49.245	ug/L	100
50) 1,2-Dibromoethane	11.09	107	135303	49.257	ug/L #	100
51) Chlorobenzene	11.51	112	448357	48.909	ug/L	100
52) Ethylbenzene	11.59	91	774150	49.933	ug/L	99
53) m,p-Xylene	11.70	106	299267	50.373	ug/L	98
54) o-Xylene	12.03	106	286135	50.604	ug/L	99
55) Styrene	12.04	104	494613	51.026	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.58	83	183650	48.685	ug/L	98
59) Bromoform	12.20	173	111472	49.418	ug/L	99
60) Isopropylbenzene	12.32	105	758490	50.967	ug/L	100
61) 1,2,3-Trichloropropane	12.63	75	130200	48.097	ug/L	99
62) 1,3,5-Trimethylbenzene	12.81	105	606614	51.814	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	597104	51.909	ug/L	100
64) 1,3-Dichlorobenzene	13.36	146	349709	49.496	ug/L	98
65) 1,4-Dichlorobenzene	13.44	146	348385	48.150	ug/L	99
67) 1,2-Dichlorobenzene	13.73	146	320121	48.848	ug/L	99
68) 1,2-Dibromo-3-chloropropan	14.35	75	30240	49.169	ug/L	96
69) 1,3,5-Trichlorobenzene	14.50	180	238903	48.886	ug/L	99
70) 1,2,4-trichlorobenzene	15.00	180	208235	49.476	ug/L	100
71) Naphthalene	15.23	128	461440	52.659	ug/L	100
72) 1,2,3-Trichlorobenzene	15.42	180	191529	49.626	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 48.440 ug/L

RT: 1.91 min Scan# 14

Delta R.T. 0.00 min

Lab File: VY003621.D

Acq: 25 Nov 2020 13:33

Instrument :

MSVOA_Y

ClientSampleId :

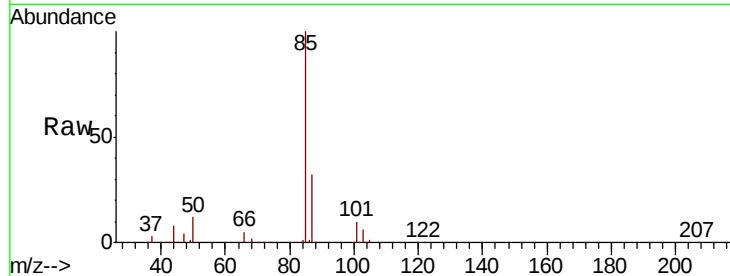
VSTD050406

Tot Ion: 85 Resp: 137081

Ion Ratio Lower Upper

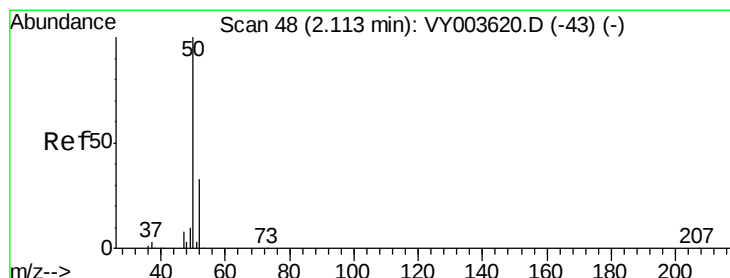
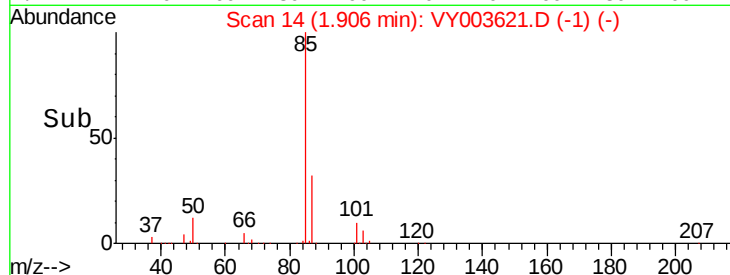
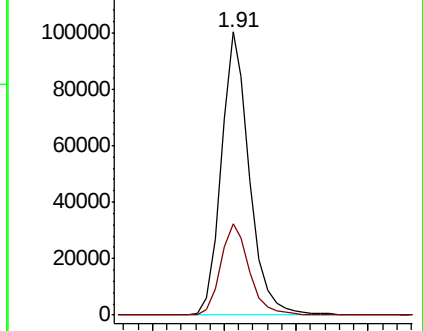
85 100

87 32.9 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 47.349 ug/L

RT: 2.11 min Scan# 48

Delta R.T. 0.00 min

Lab File: VY003621.D

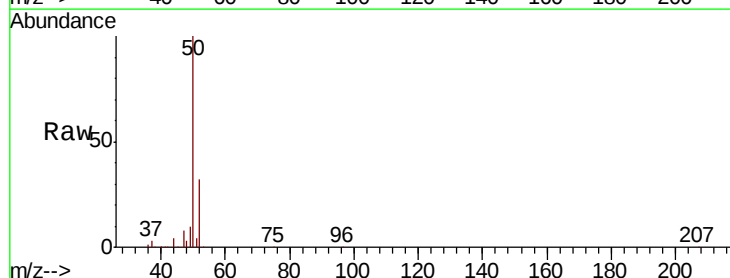
Acq: 25 Nov 2020 13:33

Tgt Ion: 50 Resp: 152863

Ion Ratio Lower Upper

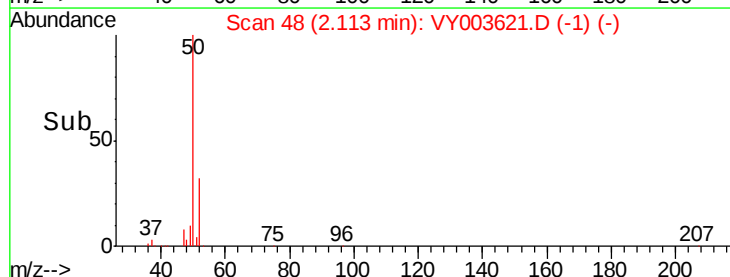
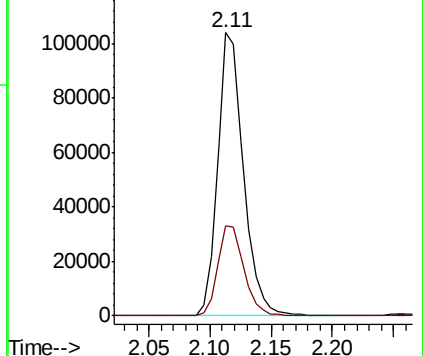
50 100

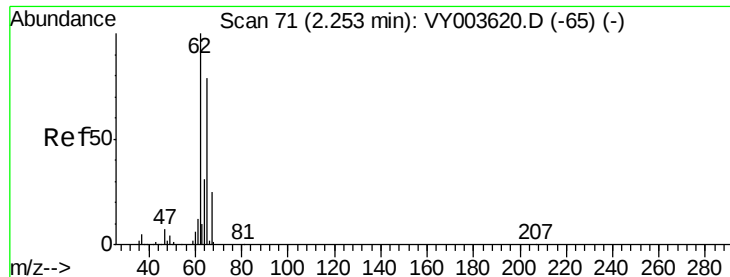
52 31.7 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 48.042 ug/L

RT: 2.26 min Scan# 72

Delta R.T. 0.01 min

Lab File: VY003621.D

Acq: 25 Nov 2020 13:33

Instrument :

MSVOA_Y

ClientSampleId :

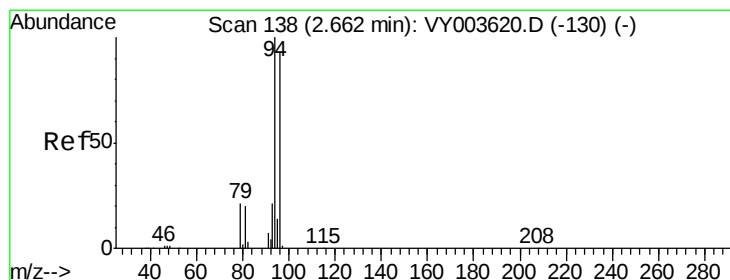
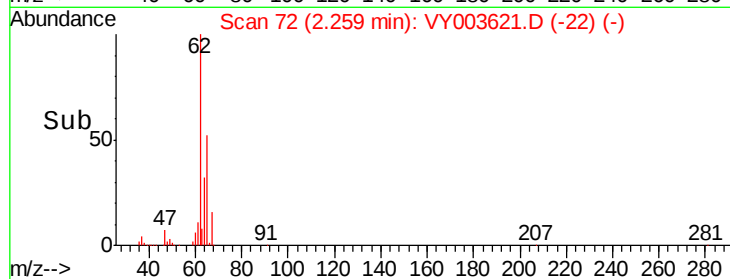
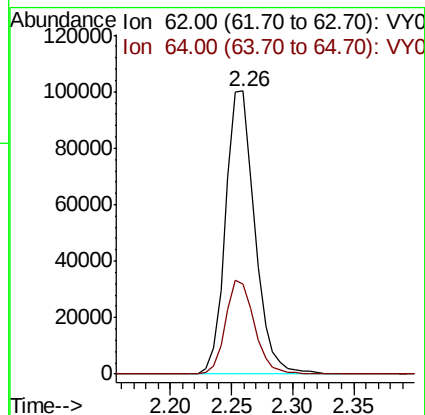
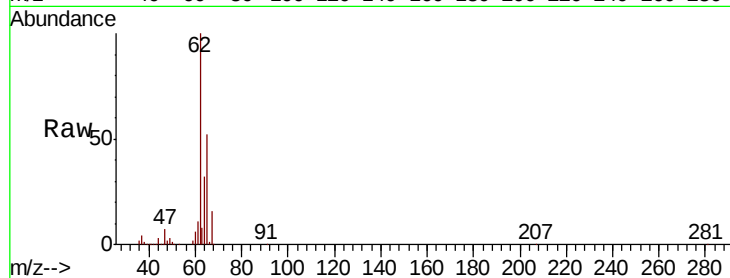
VSTD050406

Tot Ion: 62 Resp: 165717

Ion Ratio Lower Upper

62 100

64 31.8 21.9 40.7



#6

Bromomethane

Concen: 47.115 ug/L

RT: 2.66 min Scan# 138

Delta R.T. 0.00 min

Lab File: VY003621.D

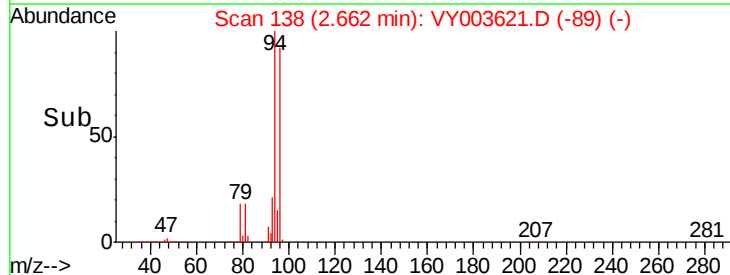
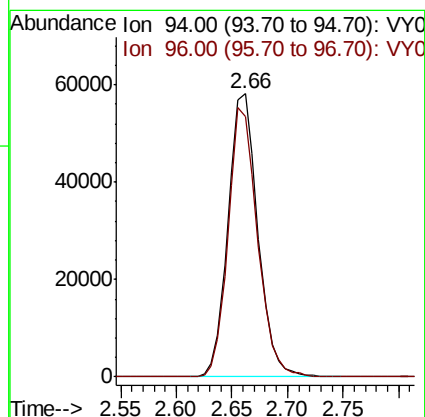
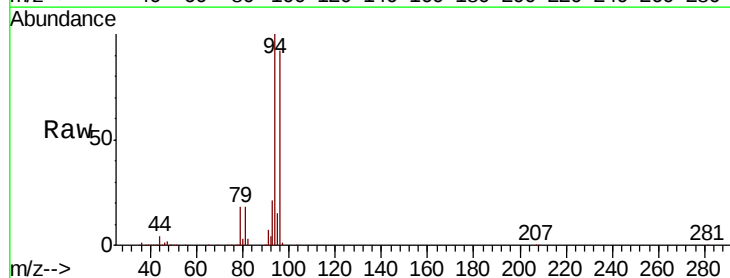
Acq: 25 Nov 2020 13:33

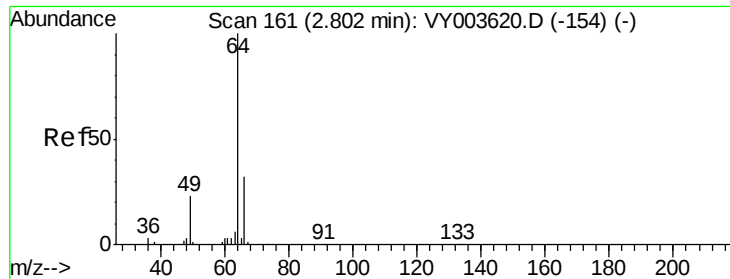
Tgt Ion: 94 Resp: 107740

Ion Ratio Lower Upper

94 100

96 92.1 65.2 121.0

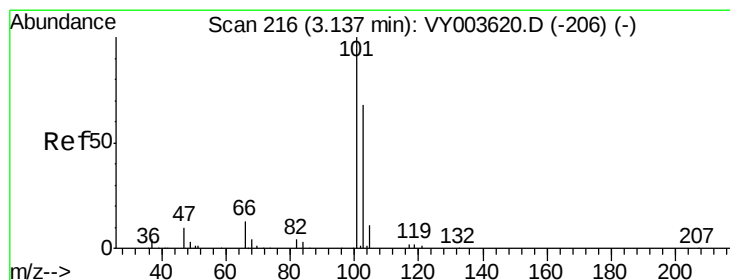
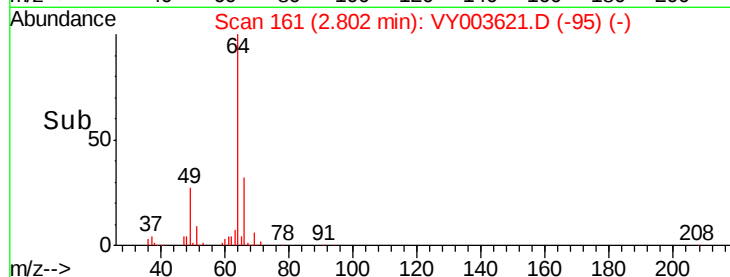
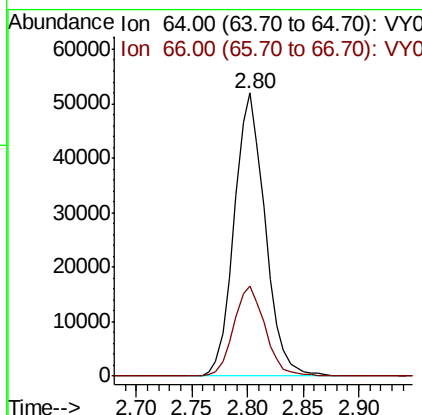
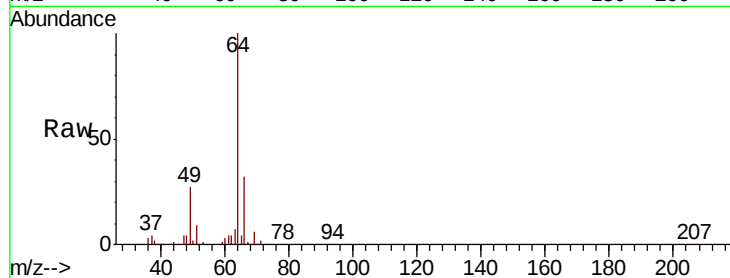




#8
 Chloroethane
 Concen: 48.565 ug/L
 RT: 2.80 min Scan# 161
 Delta R.T. 0.00 min
 Lab File: VY003621.D
 Acq: 25 Nov 2020 13:33

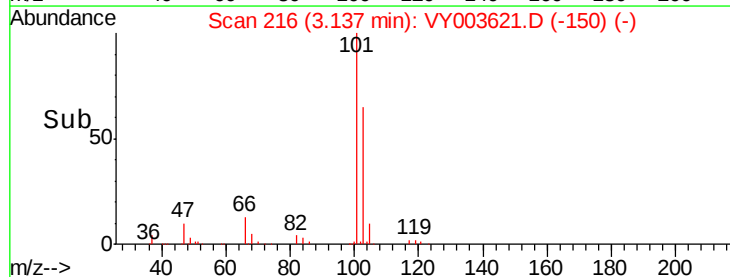
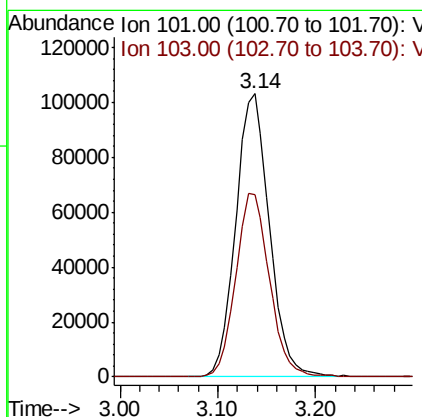
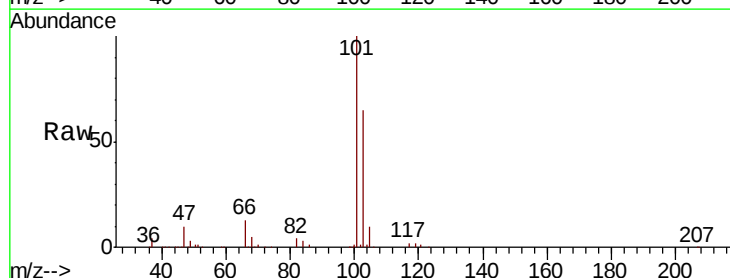
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD050406

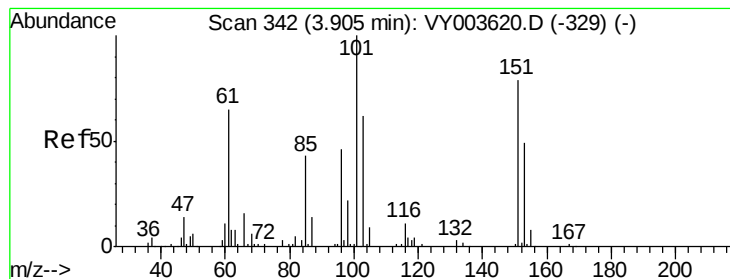
Tot Ion: 64 Resp: 100092
 Ion Ratio Lower Upper
 64 100
 66 31.7 22.2 41.2



#9
 Trichlorofluoromethane
 Concen: 47.296 ug/L
 RT: 3.14 min Scan# 216
 Delta R.T. 0.00 min
 Lab File: VY003621.D
 Acq: 25 Nov 2020 13:33

Tgt Ion: 101 Resp: 246594
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.9 77.9





#10

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

Concen: 48.127 ug/L

RT: 3.91 min Scan# 343

Delta R.T. 0.01 min

Lab File: VY003621.D

Acq: 25 Nov 2020 13:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTD050406

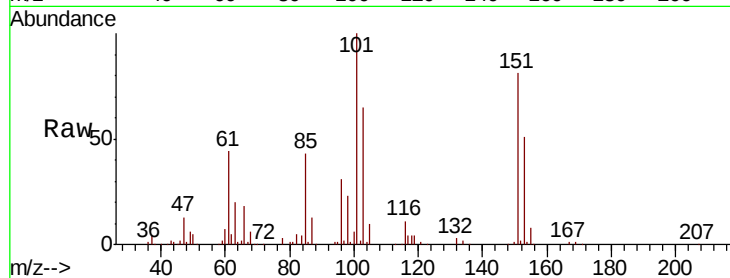
Tot Ion:101 Resp: 157259

Ion Ratio Lower Upper

101 100

85 43.4 35.6 53.4

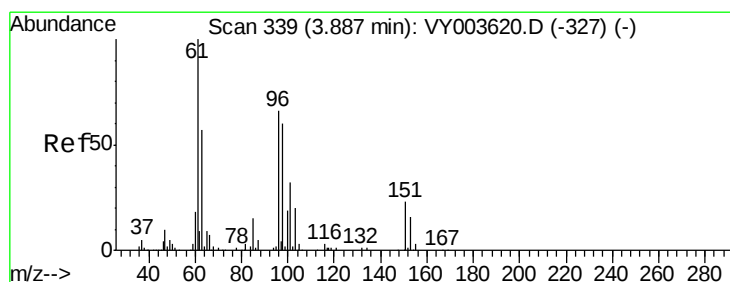
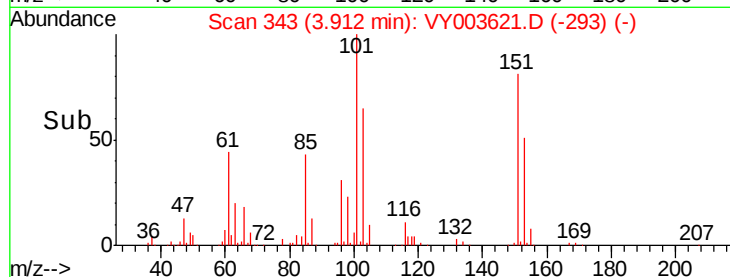
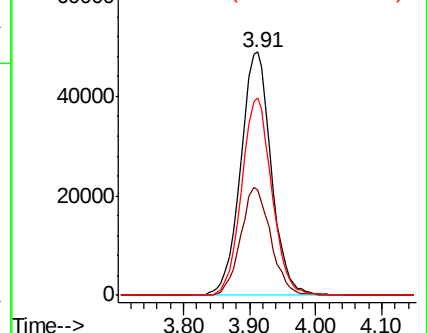
151 80.0 64.2 96.2



Abundance Ion 101.00 (100.70 to 101.70): VY003621.D (-293) (-)

Ion 85.00 (84.70 to 85.70): VY003621.D (-293) (-)

Ion 151.00 (150.70 to 151.70): VY003621.D (-293) (-)



#12

1,1-Dichloroethene

Concen: 49.371 ug/L

RT: 3.88 min Scan# 338

Delta R.T. -0.01 min

Lab File: VY003621.D

Acq: 25 Nov 2020 13:33

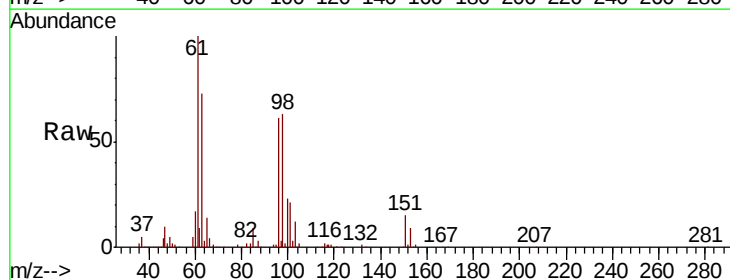
Tgt Ion: 96 Resp: 151906

Ion Ratio Lower Upper

96 100

61 163.1 106.1 197.1

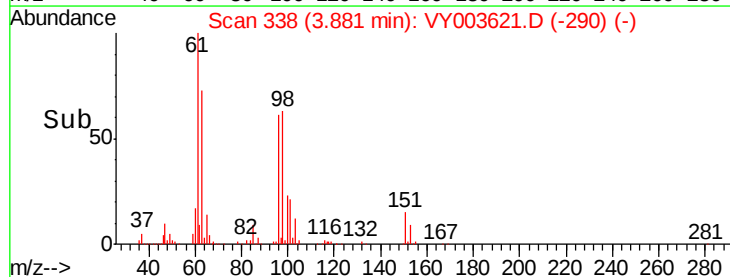
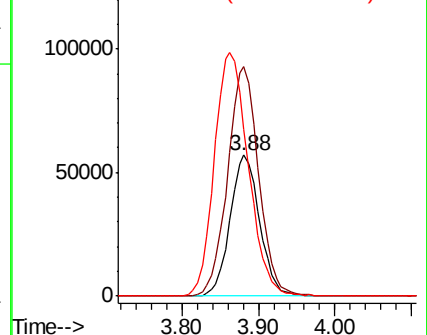
63 118.6 62.9 116.9#

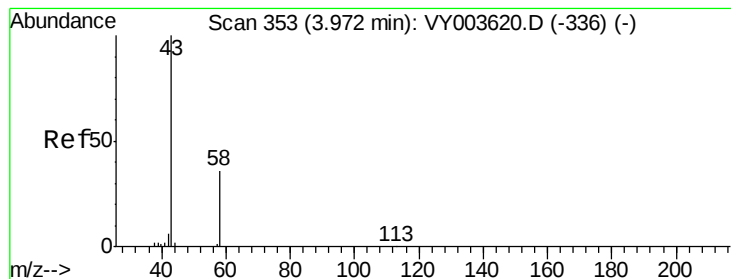


Abundance Ion 96.00 (95.70 to 96.70): VY003621.D (-290) (-)

Ion 61.00 (60.70 to 61.70): VY003621.D (-290) (-)

Ion 63.00 (62.70 to 63.70): VY003621.D (-290) (-)





#13

Acetone

Concen: 90.775 ug/L

RT: 3.97 min Scan# 352

Delta R.T. -0.01 min

Lab File: VY003621.D

Acq: 25 Nov 2020 13:33

Instrument :

MSVOA_Y

ClientSampleId :

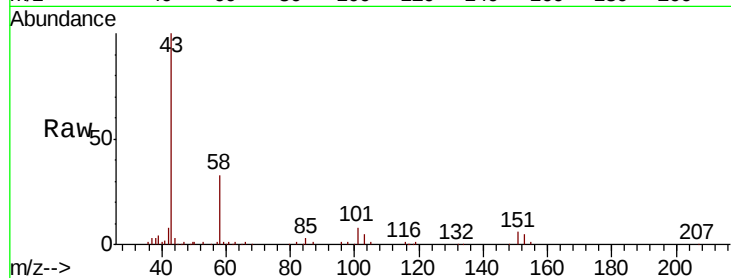
VSTD050406

Tot Ion: 43 Resp: 94372

Ion Ratio Lower Upper

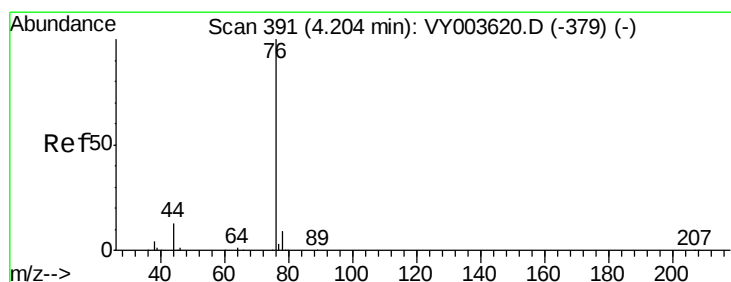
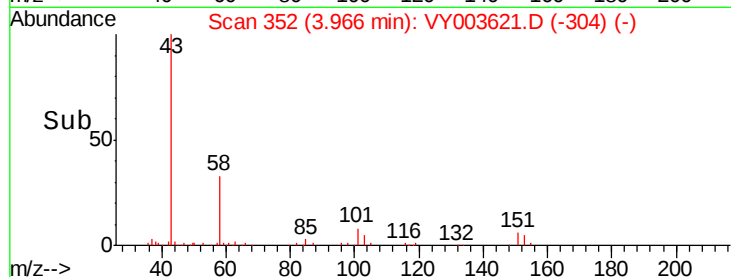
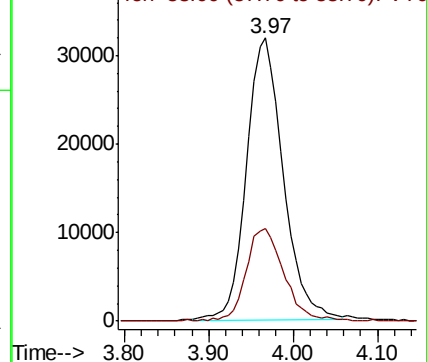
43 100

58 32.1 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 48.500 ug/L

RT: 4.20 min Scan# 391

Delta R.T. 0.00 min

Lab File: VY003621.D

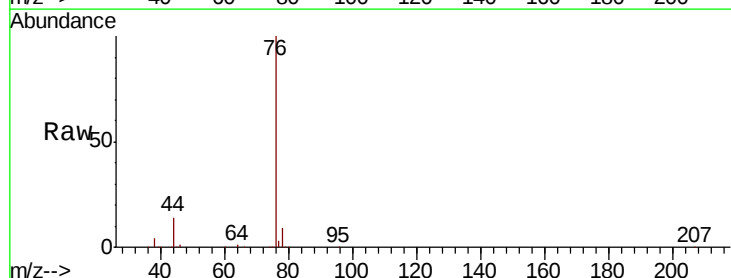
Acq: 25 Nov 2020 13:33

Tgt Ion: 76 Resp: 508329

Ion Ratio Lower Upper

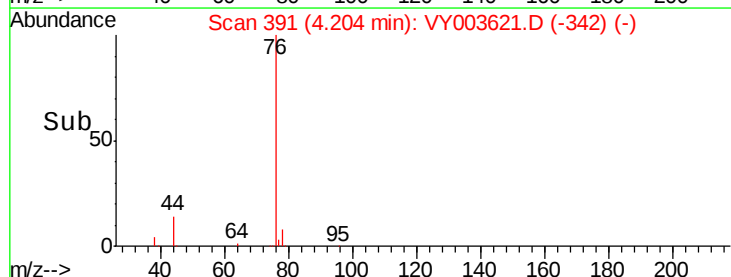
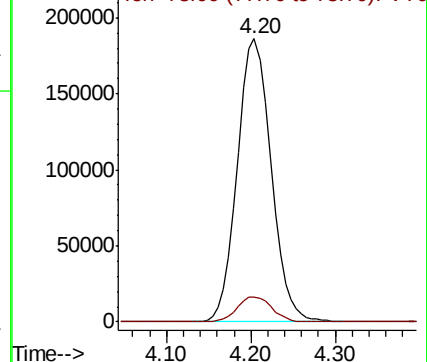
76 100

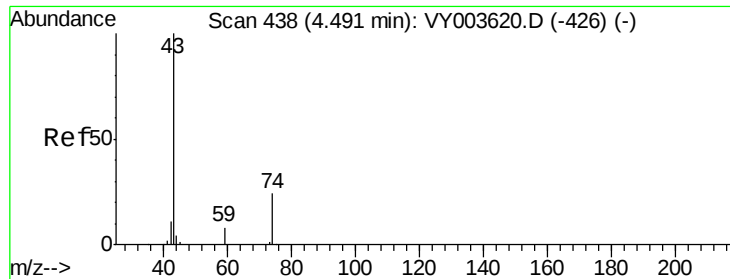
78 8.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

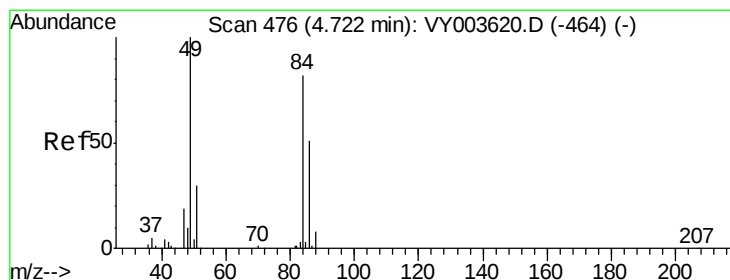
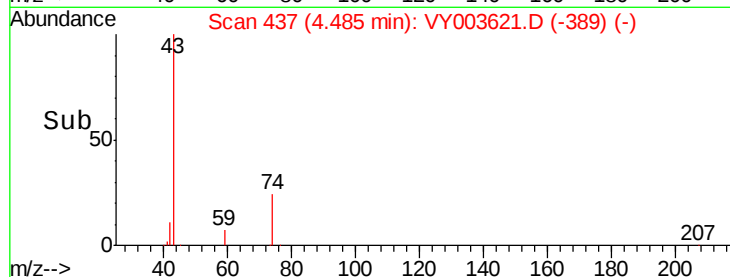
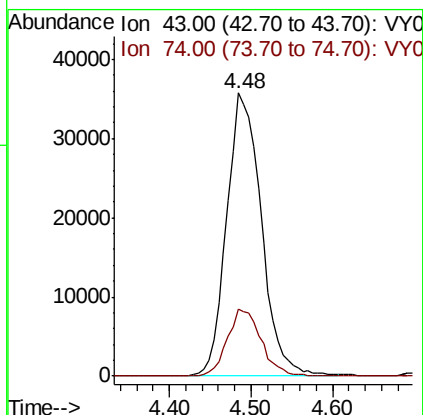
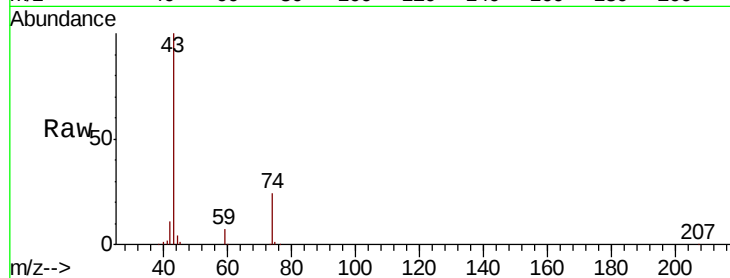




#15
Methyl Acetate
Concen: 47.193 ug/L
RT: 4.48 min Scan# 437
Delta R.T. -0.01 min
Lab File: VY003621.D
Acq: 25 Nov 2020 13:33

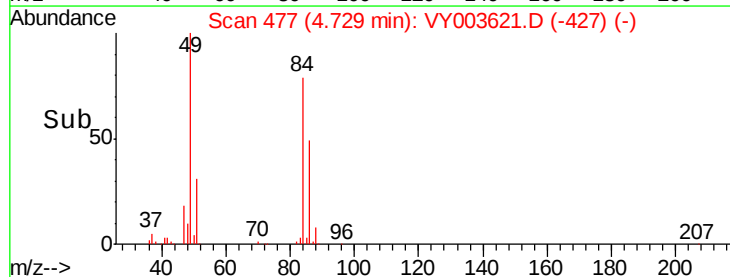
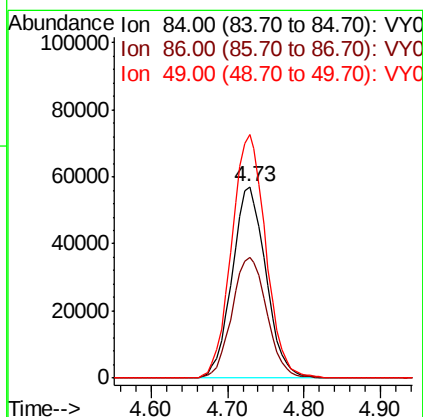
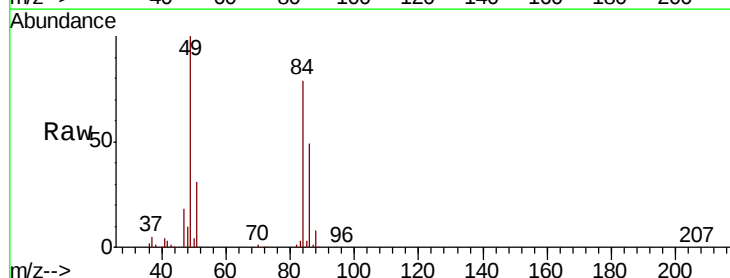
Instrument :
MSVOA_Y
ClientSampleId :
VSTD050406

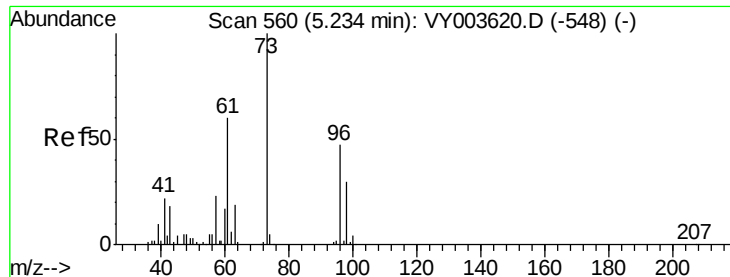
Tot Ion: 43 Resp: 105259
Ion Ratio Lower Upper
43 100
74 23.2 18.2 27.2



#16
Methylene chloride
Concen: 37.018 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VY003621.D
Acq: 25 Nov 2020 13:33

Tgt Ion: 84 Resp: 174745
Ion Ratio Lower Upper
84 100
86 63.0 43.3 80.3
49 127.4 85.3 158.5

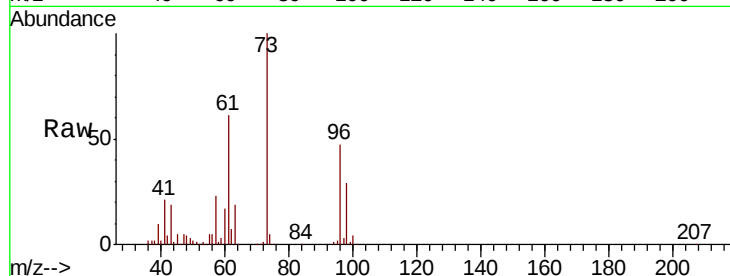




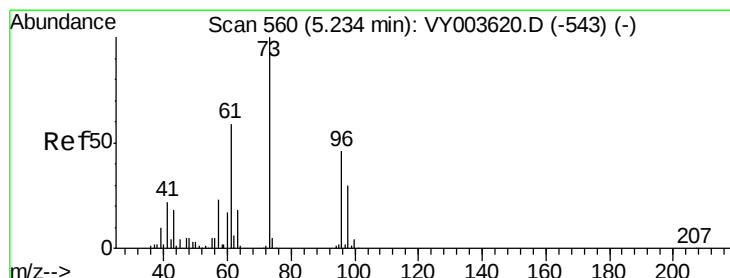
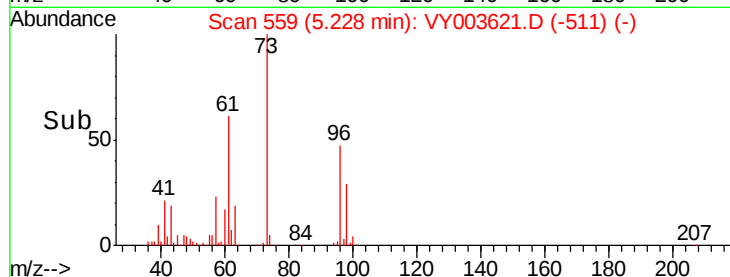
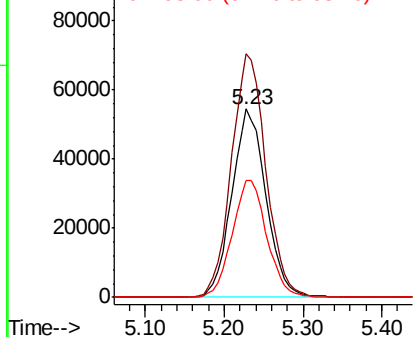
#17
trans-1,2-Dichloroethene
Concen: 49.164 ug/L
RT: 5.23 min Scan# 559
Delta R.T. -0.01 min
Lab File: VY003621.D
Acq: 25 Nov 2020 13:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTD050406

Tot Ion: 96 Resp: 164035
Ion Ratio Lower Upper
96 100
61 129.3 89.5 166.1
98 61.9 45.5 84.5

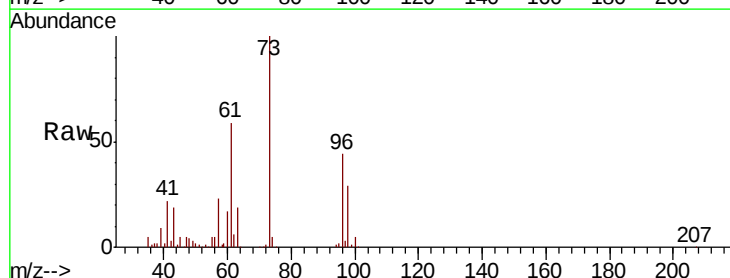


Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

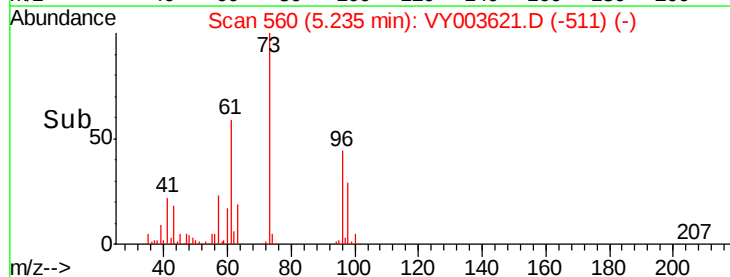
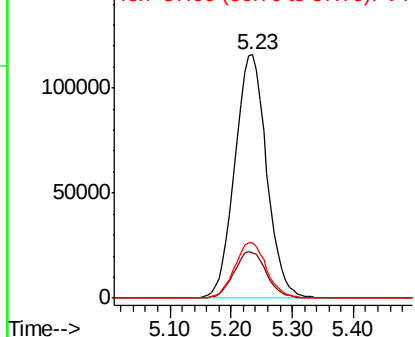


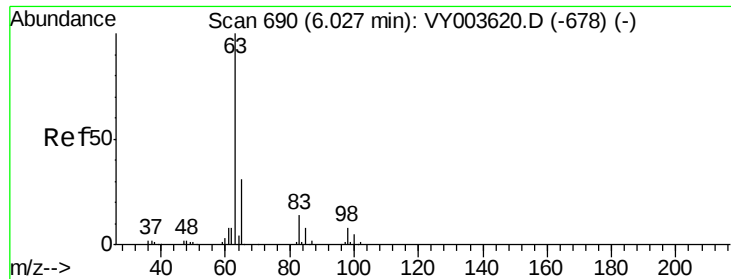
#18
Methyl tert-butyl Ether
Concen: 50.809 ug/L
RT: 5.23 min Scan# 560
Delta R.T. 0.00 min
Lab File: VY003621.D
Acq: 25 Nov 2020 13:33

Tgt Ion: 73 Resp: 417781
Ion Ratio Lower Upper
73 100
43 19.4 15.2 22.8
57 22.8 18.1 27.1



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

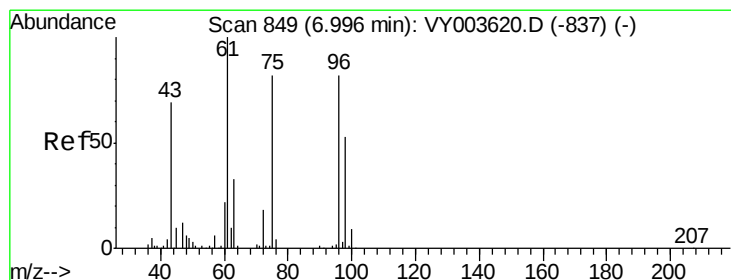
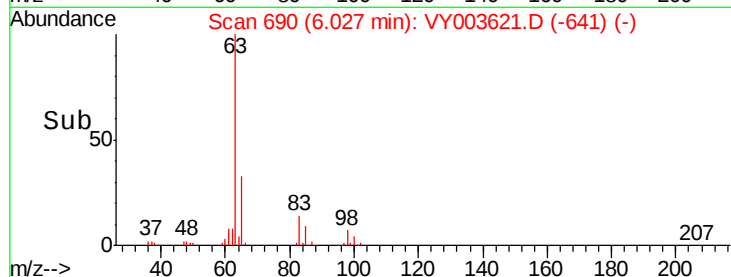
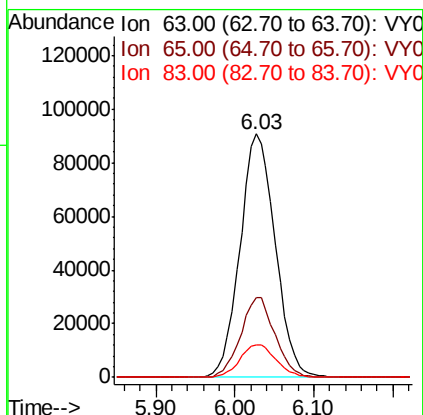
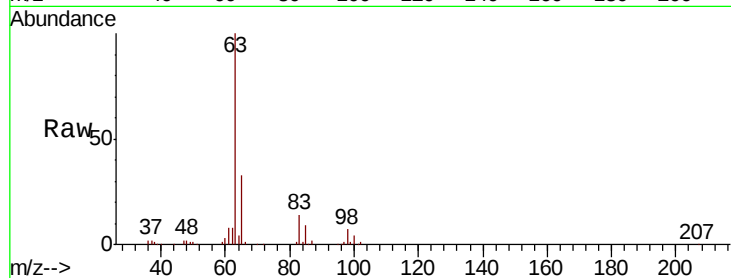




#19
 1,1-Dichloroethane
 Concen: 48.458 ug/L
 RT: 6.03 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VY003621.D
 Acq: 25 Nov 2020 13:33

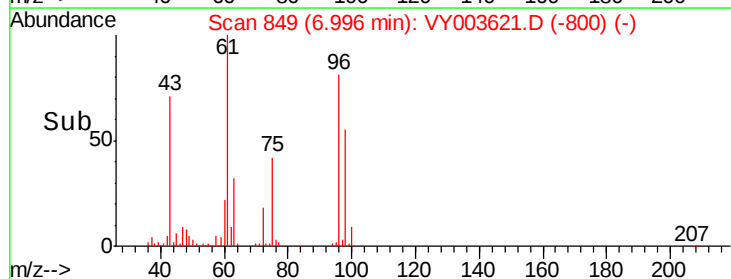
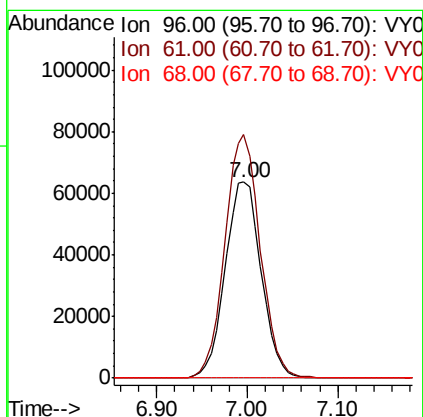
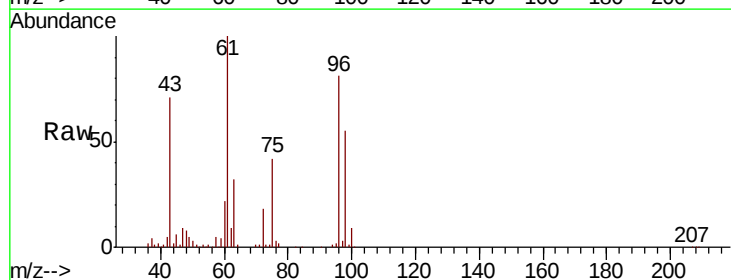
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD050406

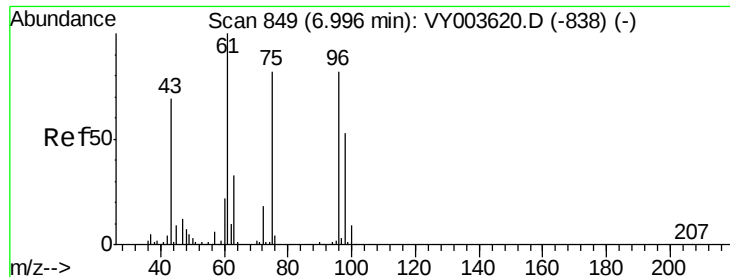
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	21.9	40.7
83	13.6	9.5	17.7



#20
 cis-1,2-Dichloroethene
 Concen: 49.334 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VY003621.D
 Acq: 25 Nov 2020 13:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	124.1	85.8	159.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 95.763 ug/L

RT: 7.00 min Scan# 849

Delta R.T. 0.00 min

Lab File: VY003621.D

Acq: 25 Nov 2020 13:33

Instrument :

MSVOA_Y

ClientSampleId :

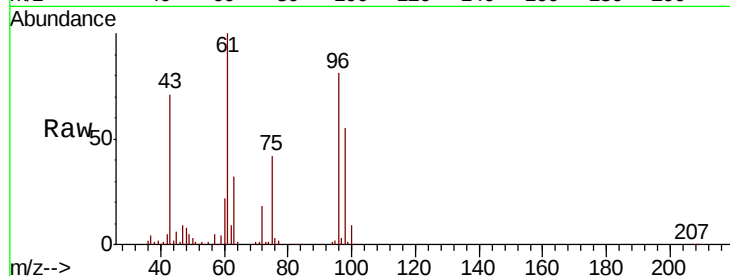
VSTD050406

Tot Ion: 43 Resp: 150489

Ion Ratio Lower Upper

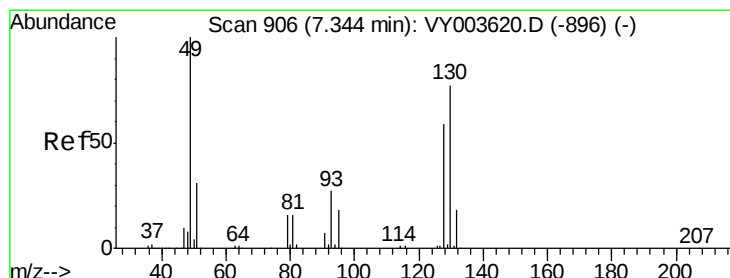
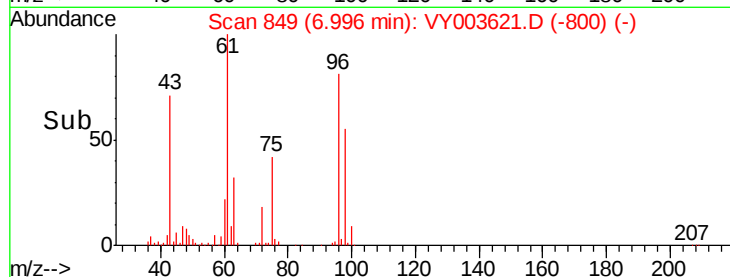
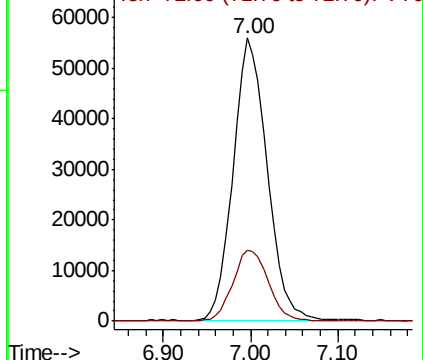
43 100

72 26.5 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#23

Bromochloromethane

Concen: 48.368 ug/L

RT: 7.34 min Scan# 906

Delta R.T. 0.00 min

Lab File: VY003621.D

Acq: 25 Nov 2020 13:33

Tgt Ion:128 Resp: 84481

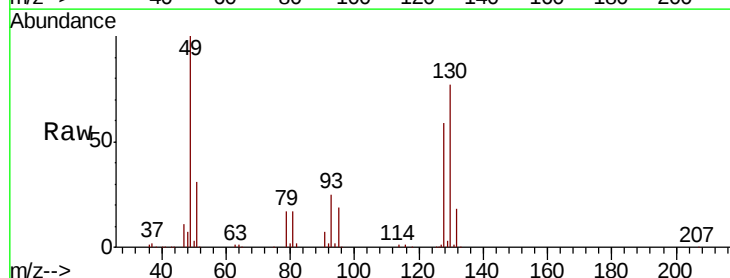
Ion Ratio Lower Upper

128 100

49 170.8 118.1 219.3

130 130.7 90.5 168.1

51 52.4 41.3 61.9

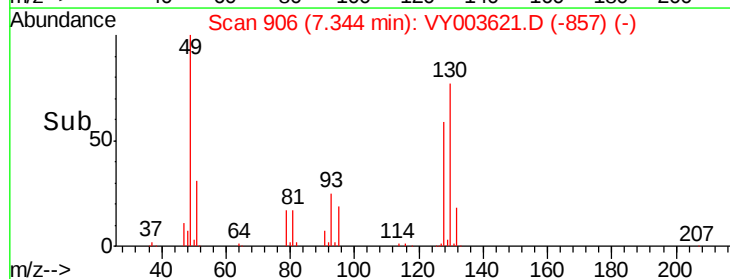
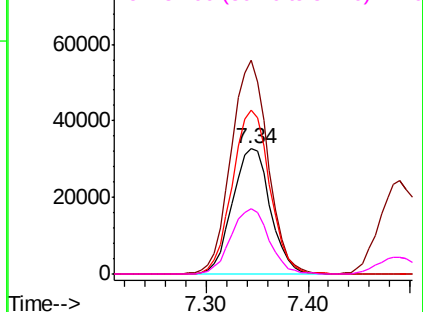


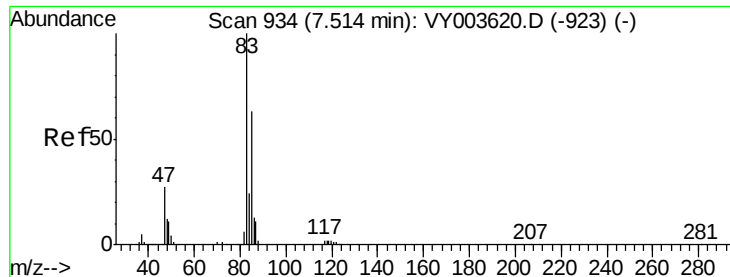
Abundance Ion 128.00 (127.70 to 128.70): V

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: 48.126 ug/L

RT: 7.51 min Scan# 934

Delta R.T. 0.00 min

Lab File: VY003621.D

Acq: 25 Nov 2020 13:33

Instrument :

MSVOA_Y

ClientSampleId :

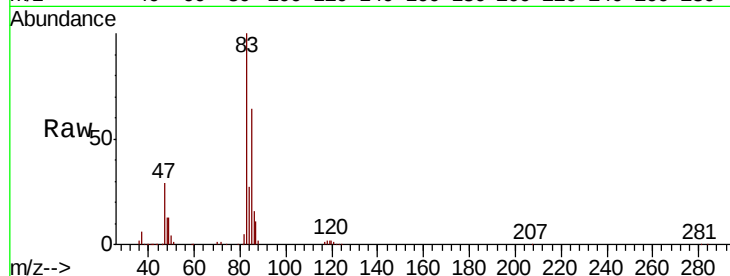
VSTD050406

Tot Ion: 83 Resp: 280897

Ion Ratio Lower Upper

83 100

85 63.9 44.4 82.4



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

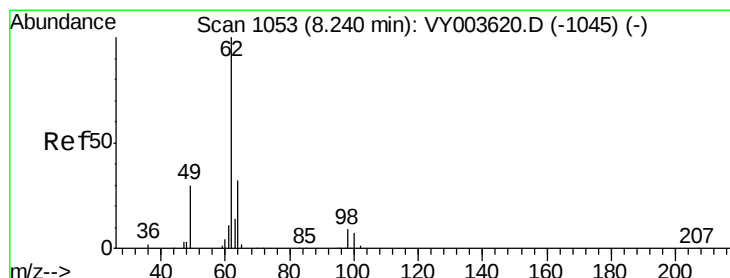
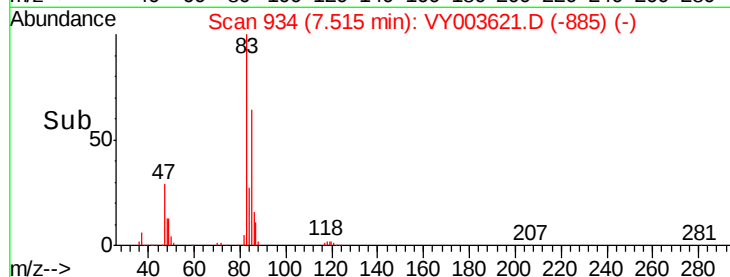
7.51

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 48.629 ug/L

RT: 8.24 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VY003621.D

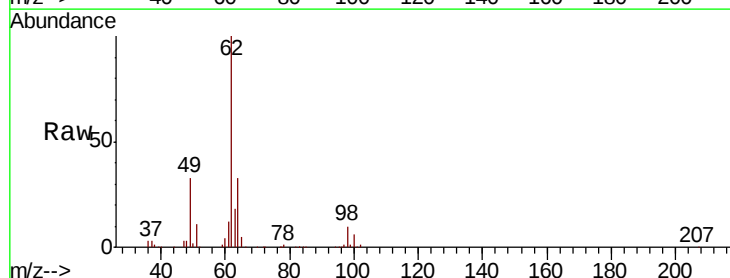
Acq: 25 Nov 2020 13:33

Tgt Ion: 62 Resp: 188506

Ion Ratio Lower Upper

62 100

98 10.0 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

8.24

100000

80000

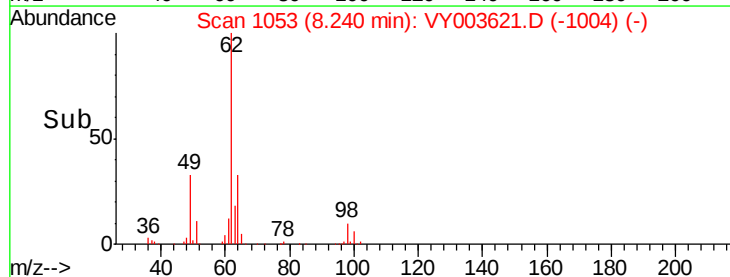
60000

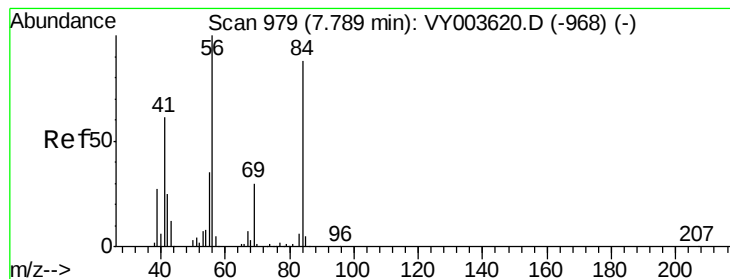
40000

20000

0

Time-->





#29

Cyclohexane

Concen: 50.577 ug/L

RT: 7.79 min Scan# 979

Delta R.T. 0.00 min

Lab File: VY003621.D

Acq: 25 Nov 2020 13:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTD050406

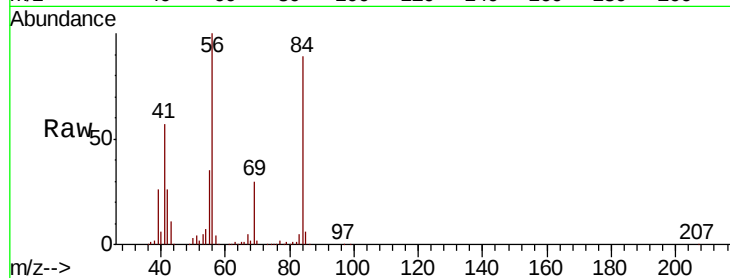
Tot Ion: 56 Resp: 270899

Ion Ratio Lower Upper

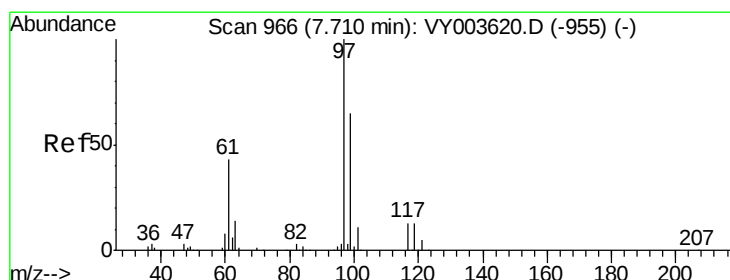
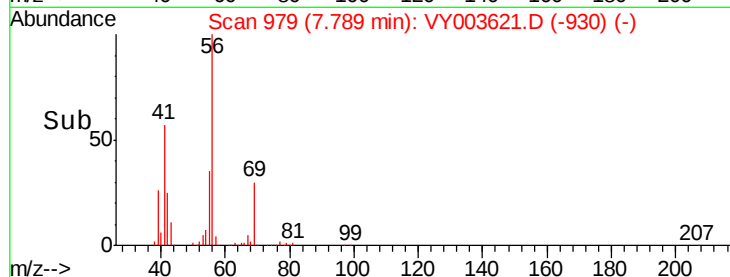
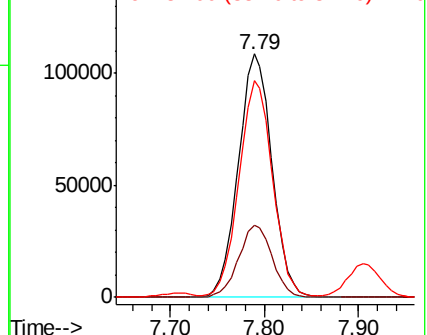
56 100

69 29.5 23.9 35.9

84 89.2 71.9 107.9



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#30

1,1,1-Trichloroethane

Concen: 47.859 ug/L

RT: 7.71 min Scan# 966

Delta R.T. 0.00 min

Lab File: VY003621.D

Acq: 25 Nov 2020 13:33

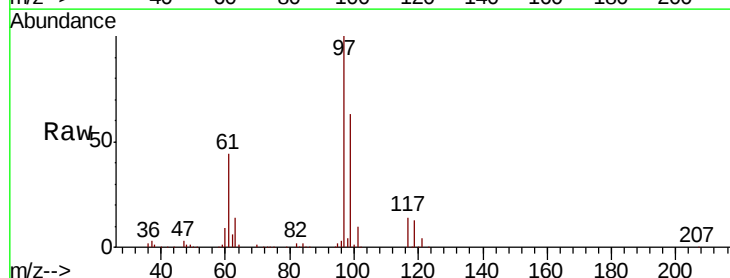
Tgt Ion: 97 Resp: 252163

Ion Ratio Lower Upper

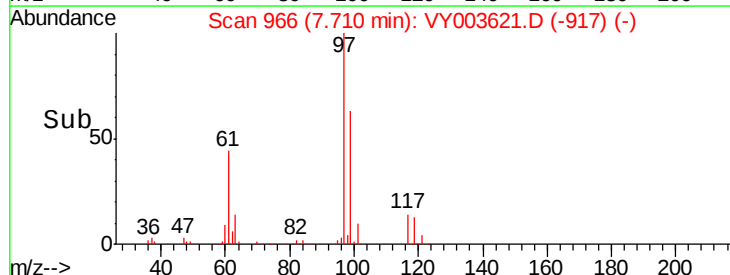
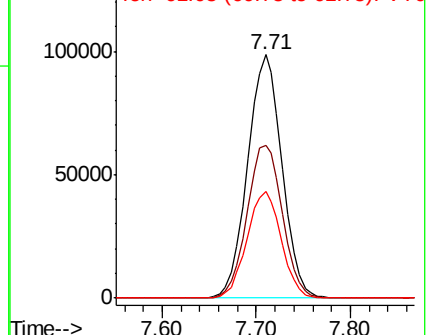
97 100

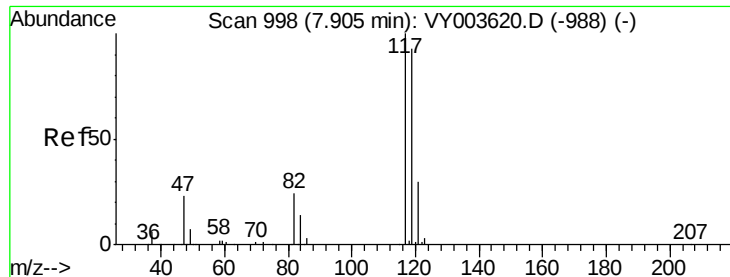
99 64.7 50.6 76.0

61 43.8 34.3 51.5



Abundance Ion 97.00 (96.70 to 97.70): VY0
Ion 99.00 (98.70 to 99.70): VY0
Ion 61.05 (60.75 to 61.75): VY0



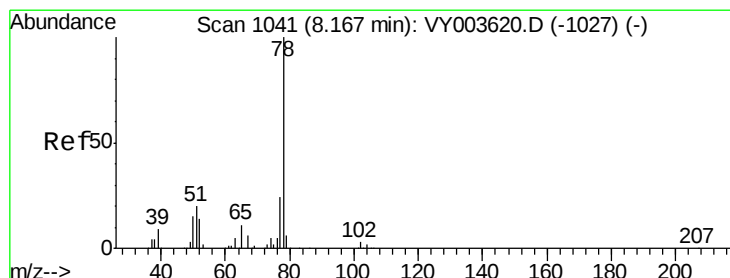
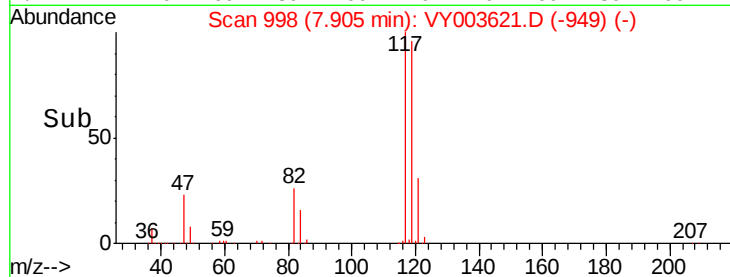
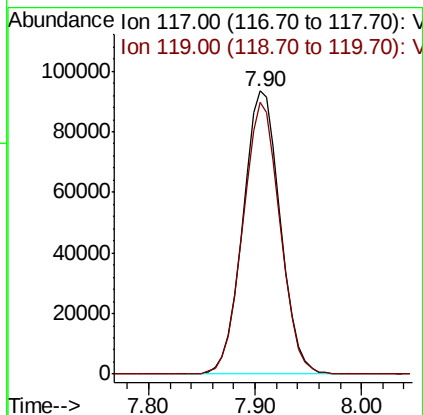
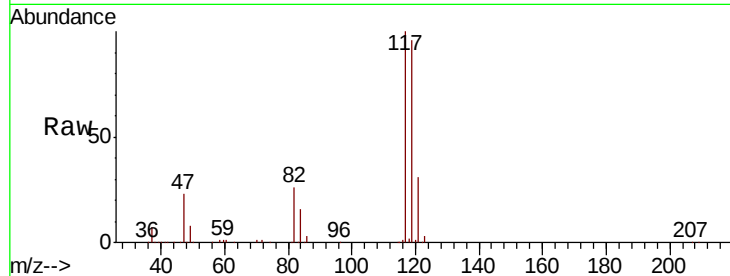


#31

Carbon tetrachloride
 Concen: 48.150 ug/L
 RT: 7.90 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VY003621.D
 Acq: 25 Nov 2020 13:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD050406

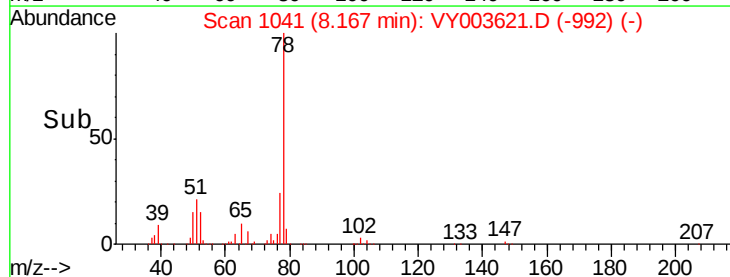
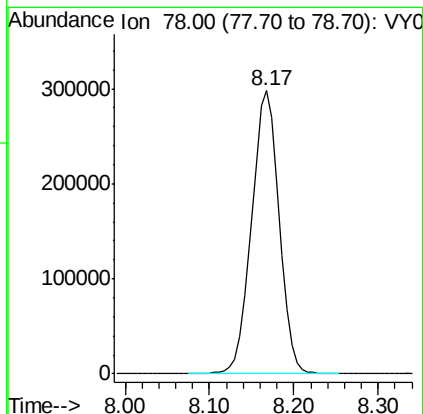
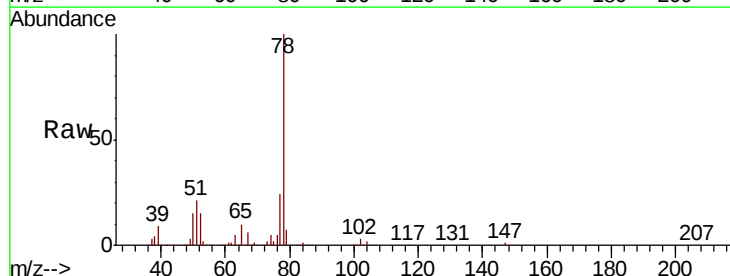
Tot Ion:117 Resp: 229929
 Ion Ratio Lower Upper
 117 100
 119 95.3 77.7 116.5

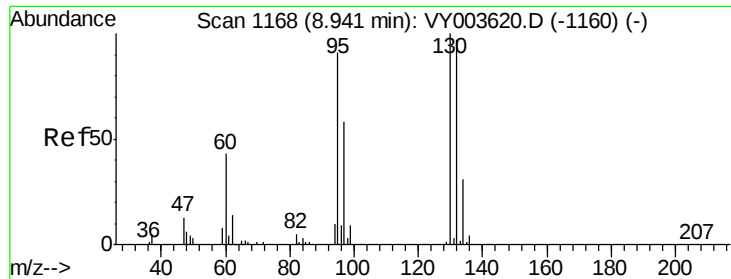


#33

Benzene
 Concen: 48.524 ug/L
 RT: 8.17 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VY003621.D
 Acq: 25 Nov 2020 13:33

Tgt Ion: 78 Resp: 662549

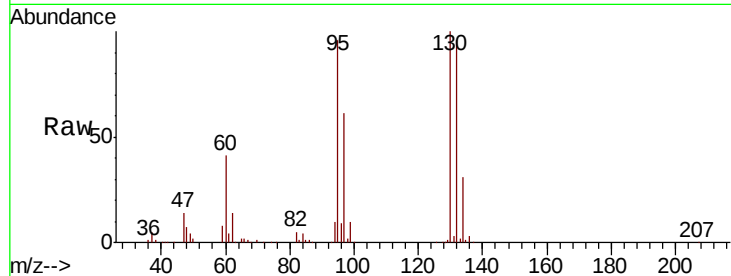




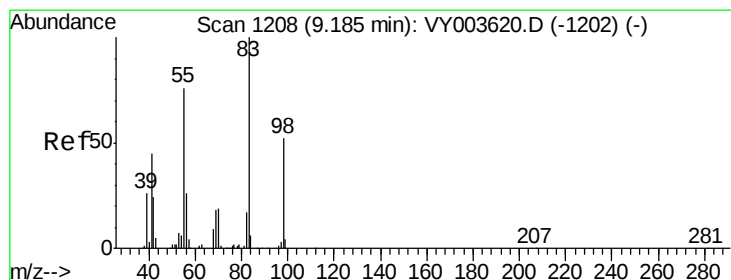
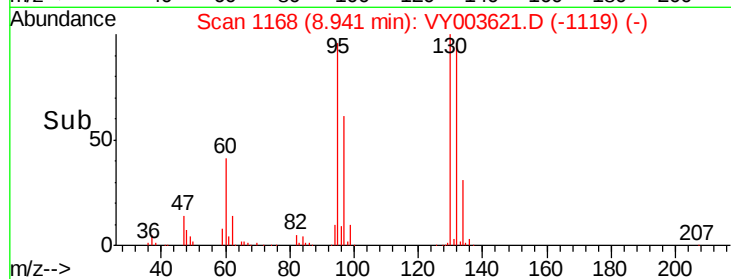
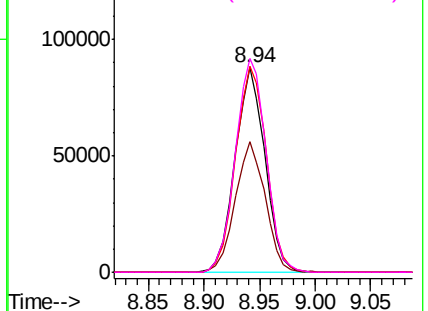
#34
 Trichloroethene
 Concen: 48.140 ug/L
 RT: 8.94 min Scan# 1168
 Delta R.T. 0.00 min
 Lab File: VY003621.D
 Acq: 25 Nov 2020 13:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD050406

Tot Ion: 95 Resp: 163496
 Ion Ratio Lower Upper
 95 100
 97 63.7 44.7 83.1
 132 100.6 74.7 138.7
 130 104.4 76.8 142.6

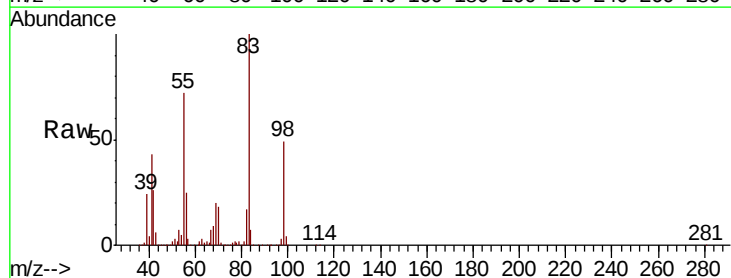


Abundance Ion 95.00 (94.70 to 95.70): VY0
 Ion 97.00 (96.70 to 97.70): VY0
 Ion 132.00 (131.70 to 132.70): VY0
 Ion 130.00 (129.70 to 130.70): VY0

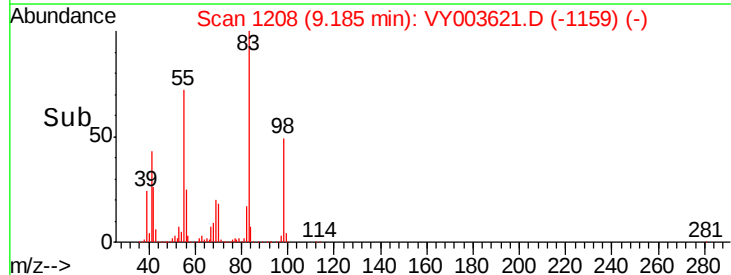
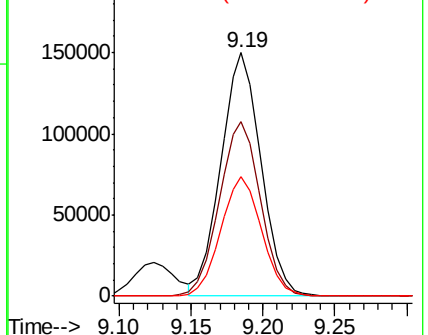


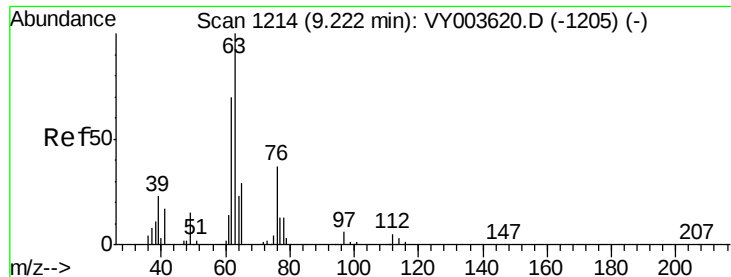
#35
 Methylcyclohexane
 Concen: 49.660 ug/L
 RT: 9.19 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VY003621.D
 Acq: 25 Nov 2020 13:33

Tgt Ion: 83 Resp: 291491
 Ion Ratio Lower Upper
 83 100
 55 73.5 58.3 87.5
 98 49.7 39.0 58.6



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

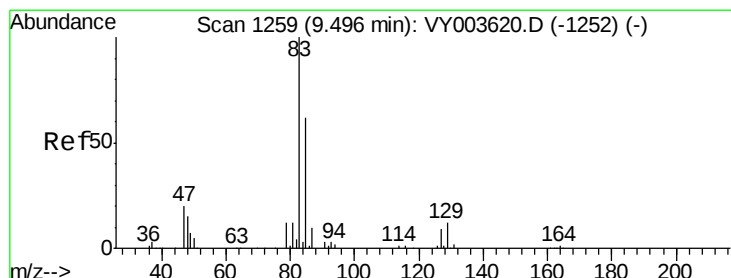
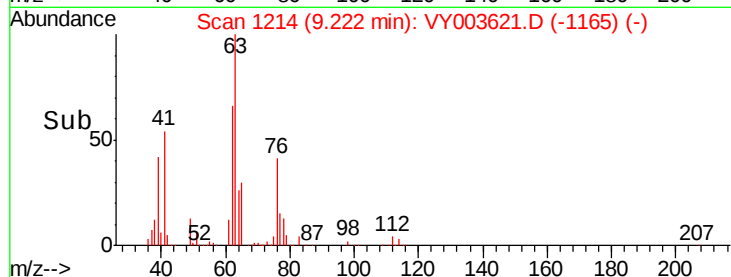
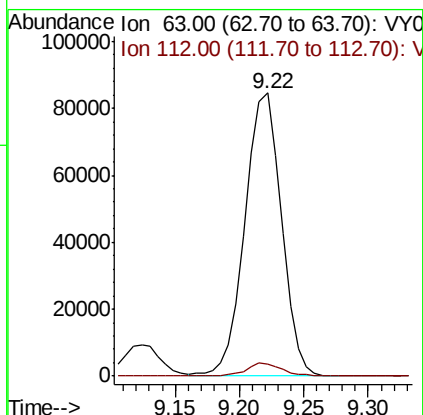
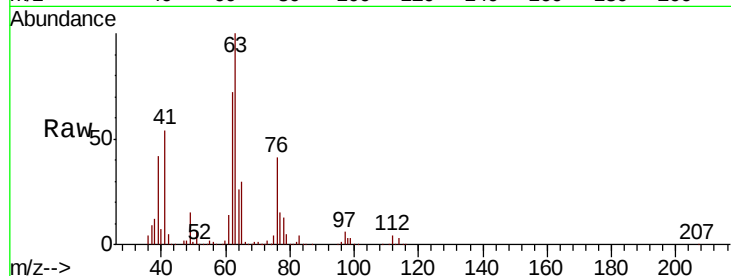




#37
 1,2-Dichloropropane
 Concen: 48.652 ug/L
 RT: 9.22 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: VY003621.D
 Acq: 25 Nov 2020 13:33

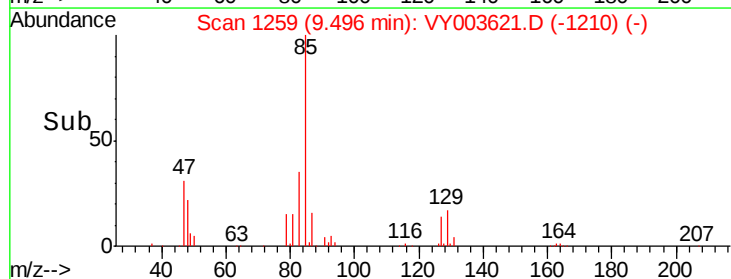
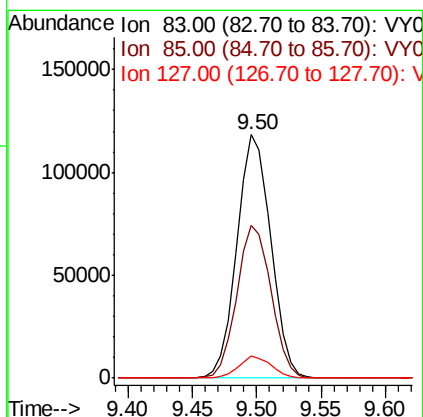
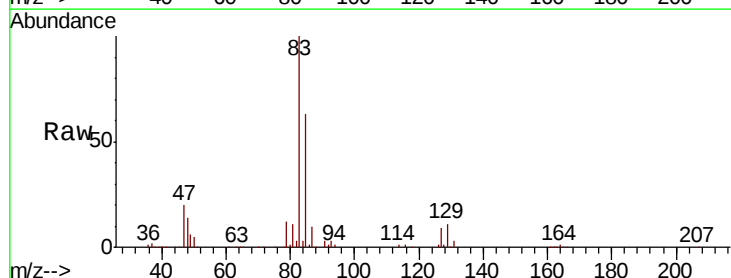
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD050406

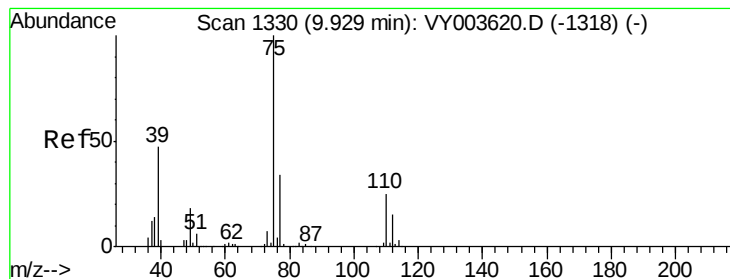
Tot Ion: 63 Resp: 167020
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.7 5.5



#38
 Bromodichloromethane
 Concen: 49.441 ug/L
 RT: 9.50 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VY003621.D
 Acq: 25 Nov 2020 13:33

Tgt Ion: 83 Resp: 216439
 Ion Ratio Lower Upper
 83 100
 85 63.0 43.1 80.1
 127 8.9 7.1 10.7



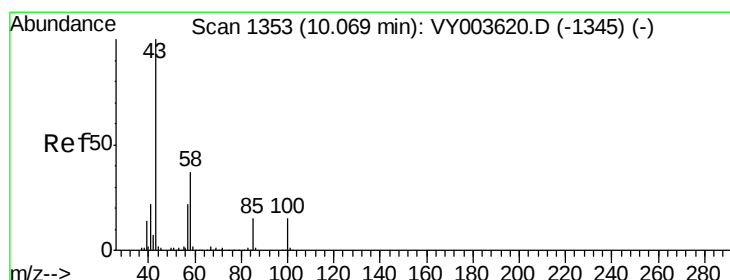
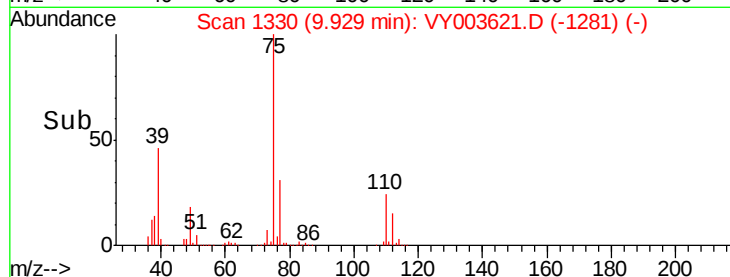
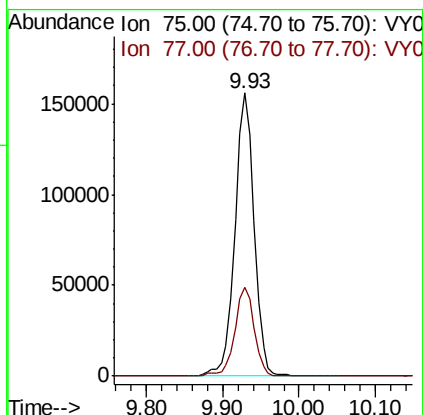
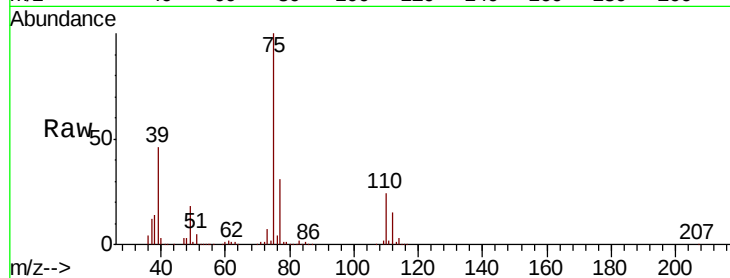


#39

cis-1,3-Dichloropropene
 Concen: 50.320 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VY003621.D
 Acq: 25 Nov 2020 13:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD050406

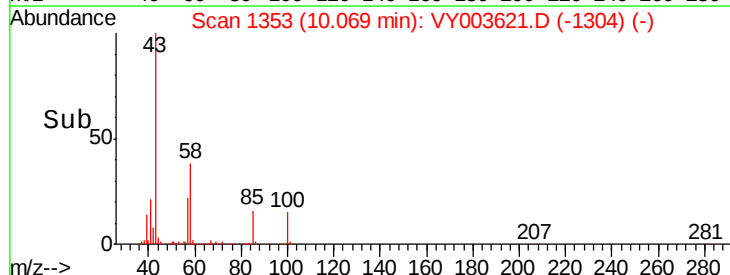
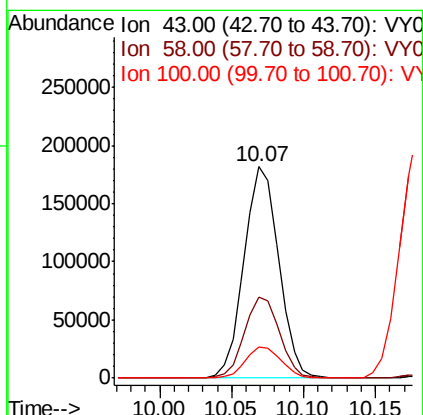
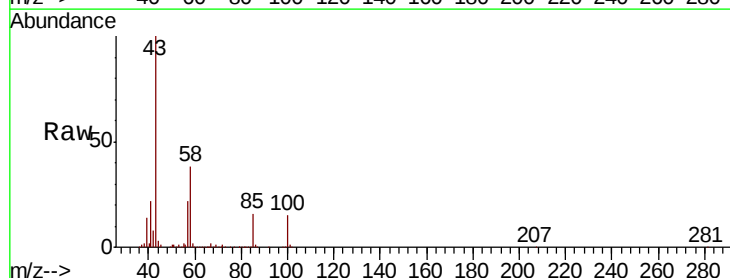
Tot Ion: 75 Resp: 270398
 Ion Ratio Lower Upper
 75 100
 77 31.4 23.5 43.7

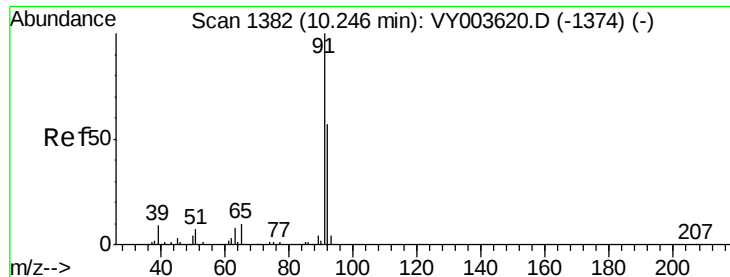


#40

4-Methyl-2-pentanone
 Concen: 100.295 ug/L
 RT: 10.07 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: VY003621.D
 Acq: 25 Nov 2020 13:33

Tgt Ion: 43 Resp: 304132
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.7 46.1
 100 15.3 12.1 18.1





#42

Toluene

Concen: 49.480 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003621.D

Acq: 25 Nov 2020 13:33

Instrument :

MSVOA_Y

ClientSampleId :

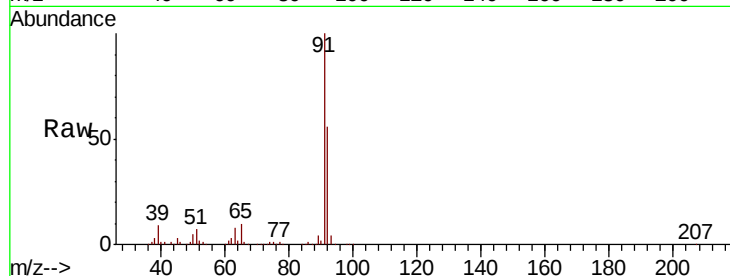
VSTD050406

Tot Ion: 91 Resp: 714184

Ion Ratio Lower Upper

91 100

92 56.2 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VY003621.D (-1374) (-)

Ion 92.00 (91.70 to 92.70): VY003621.D (-1374) (-)

10.25

400000

300000

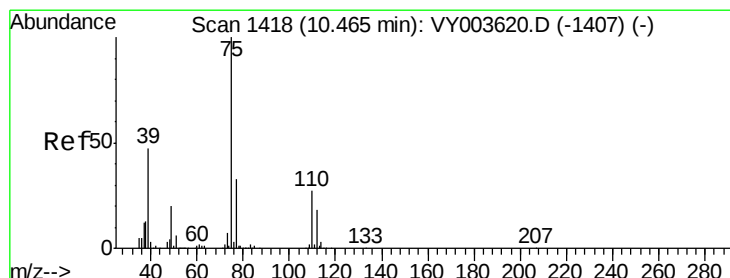
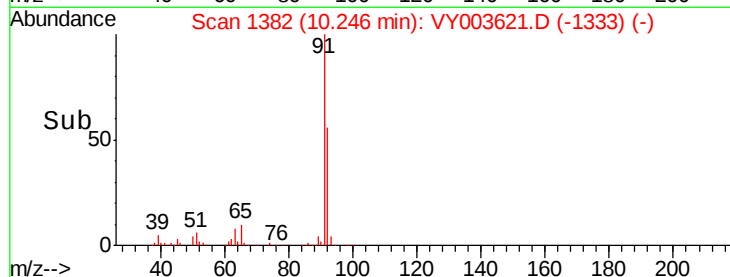
200000

100000

0

10.20 10.30

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.948 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003621.D

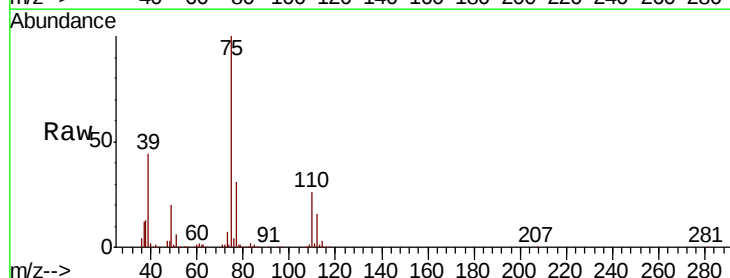
Acq: 25 Nov 2020 13:33

Tgt Ion: 75 Resp: 246300

Ion Ratio Lower Upper

75 100

77 30.9 22.9 42.5



Abundance Ion 75.00 (74.70 to 75.70): VY003621.D (-1369) (-)

Ion 77.00 (76.70 to 77.70): VY003621.D (-1369) (-)

10.47

150000

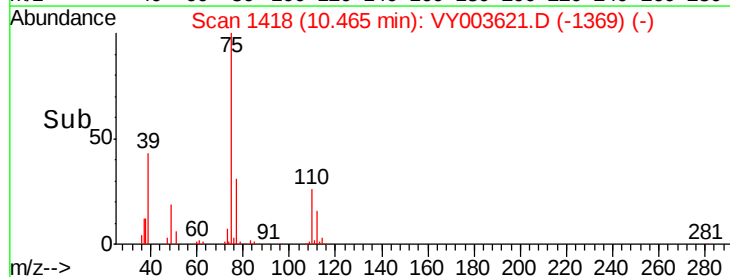
100000

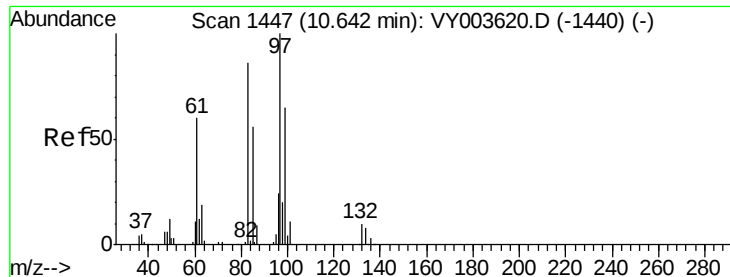
50000

0

10.40 10.50

Time-->

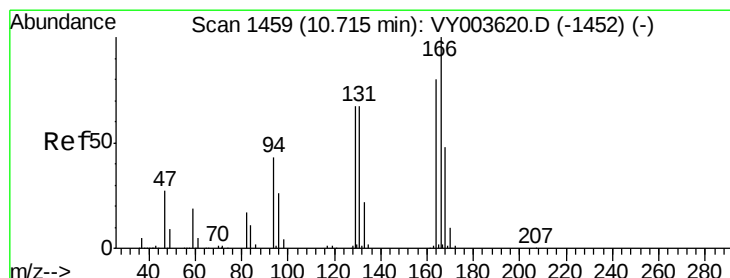
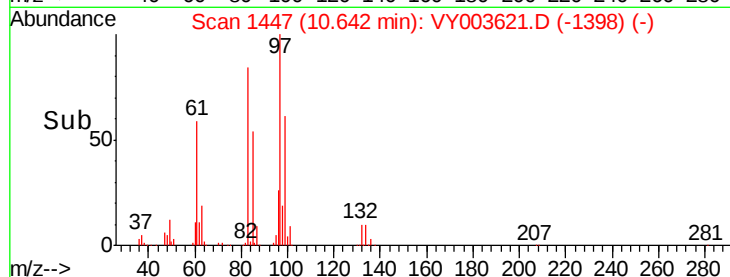
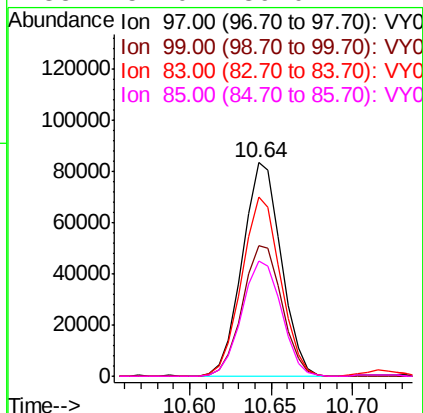
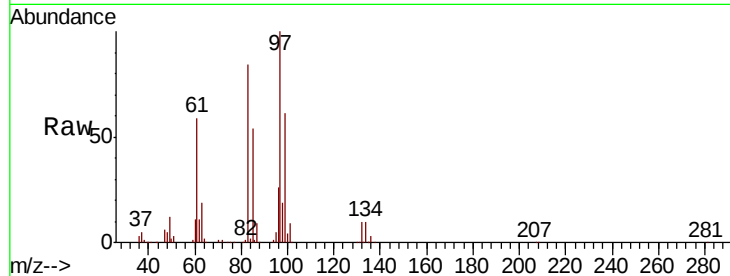




#45
 1,1,2-Trichloroethane
 Concen: 48.710 ug/L
 RT: 10.64 min Scan# 1447
 Delta R.T. 0.00 min
 Lab File: VY003621.D
 Acq: 25 Nov 2020 13:33

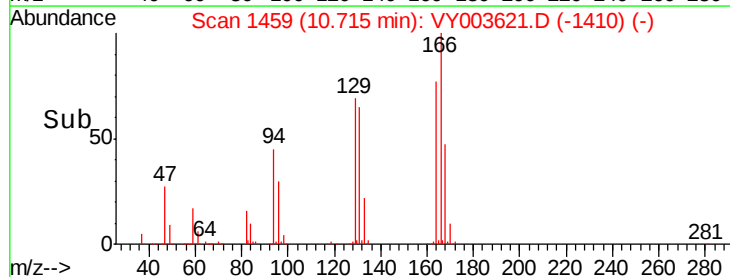
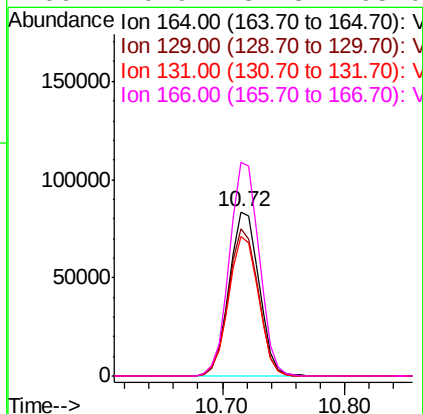
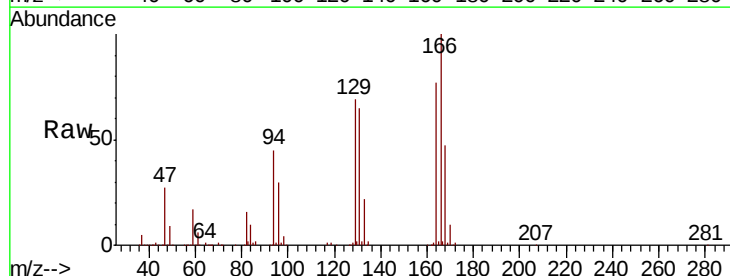
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD050406

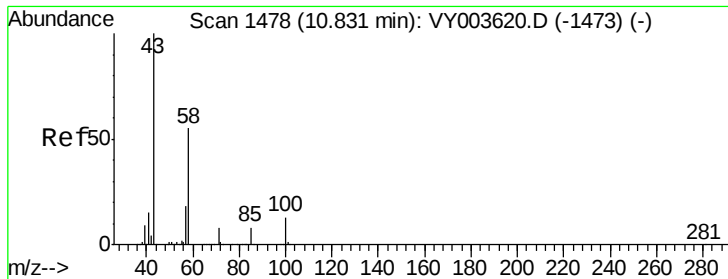
Tot Ion:	97	Resp:	139121
Ion	Ratio	Lower	Upper
97	100		
99	60.9	45.1	83.9
83	83.9	59.7	110.9
85	54.0	39.0	72.4



#46
 Tetrachloroethene
 Concen: 47.686 ug/L
 RT: 10.72 min Scan# 1459
 Delta R.T. 0.00 min
 Lab File: VY003621.D
 Acq: 25 Nov 2020 13:33

Tgt Ion:	164	Resp:	140939
Ion	Ratio	Lower	Upper
164	100		
129	89.2	58.9	109.5
131	85.0	59.0	109.6
166	129.9	87.8	163.0

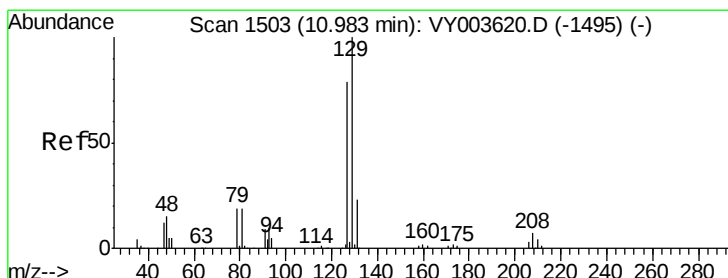
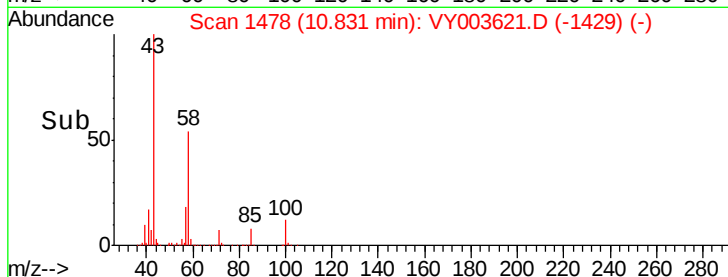
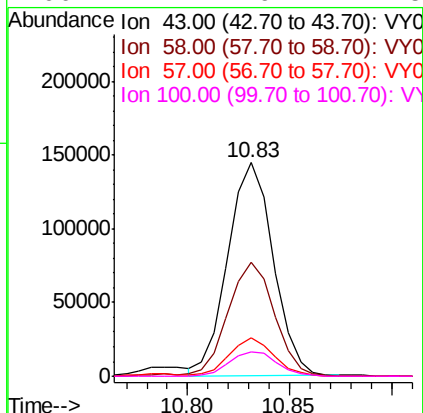
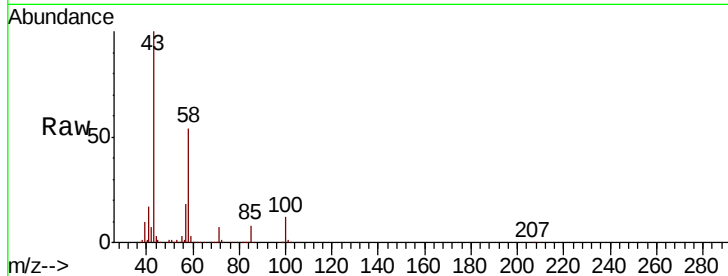




#48
2-Hexanone
Concen: 103.309 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VY003621.D
Acq: 25 Nov 2020 13:33

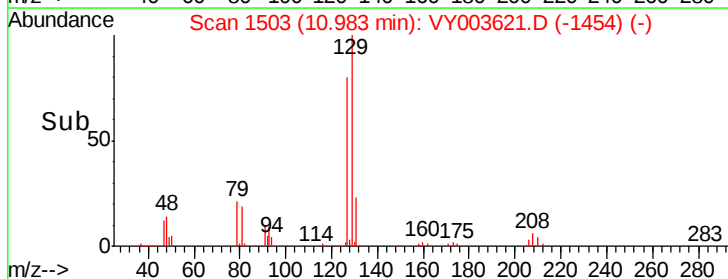
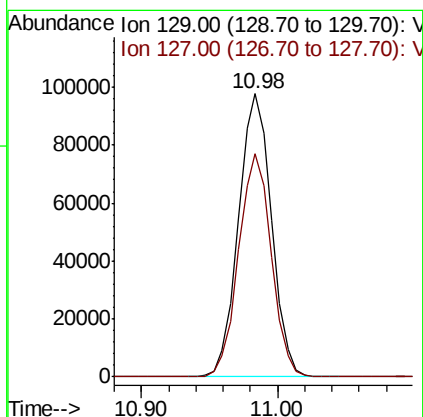
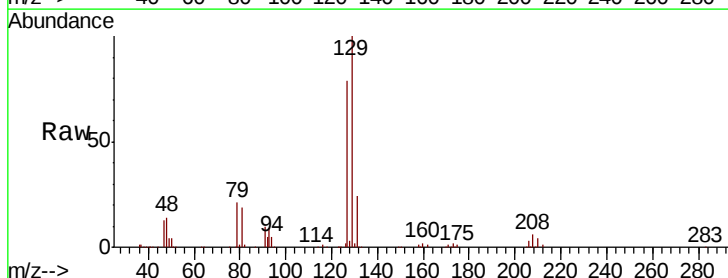
Instrument :
MSVOA_Y
ClientSampleId :
VSTD050406

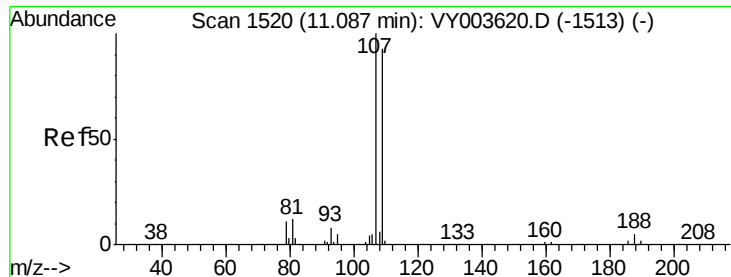
Tot Ion:	43	Resp:	223490
Ion	Ratio	Lower	Upper
43	100		
58	54.6	43.0	64.6
57	17.9	14.6	21.8
100	12.1	9.7	14.5



#49
Dibromochloromethane
Concen: 49.245 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. 0.00 min
Lab File: VY003621.D
Acq: 25 Nov 2020 13:33

Tgt Ion:	129	Resp:	165180
Ion	Ratio	Lower	Upper
129	100		
127	79.0	55.0	102.2

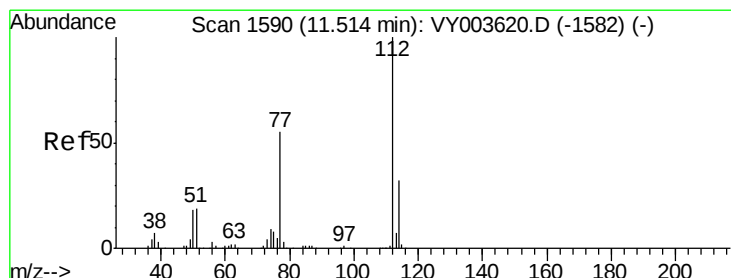
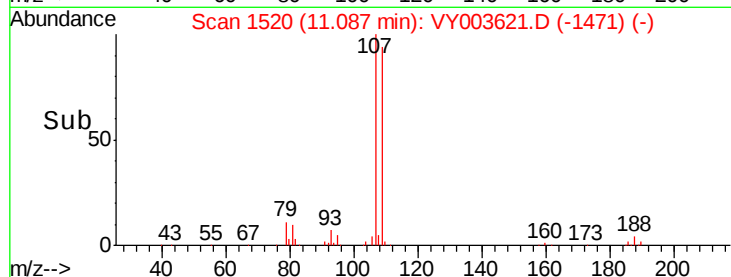
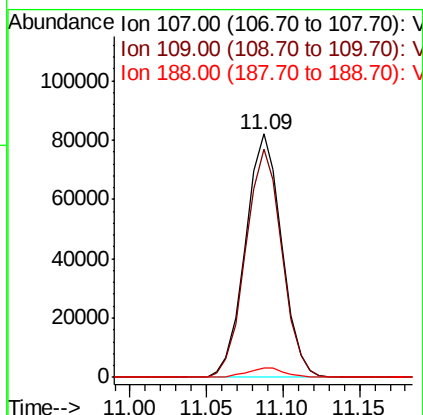
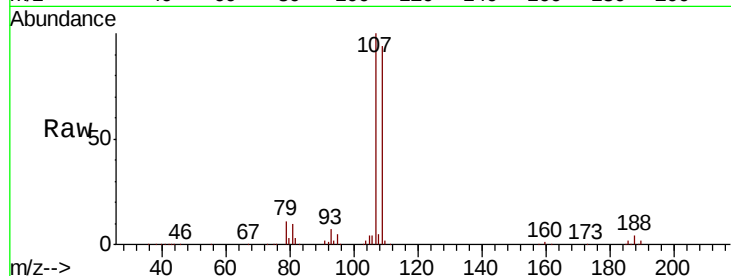




#50
 1,2-Dibromoethane
 Concen: 49.257 ug/L
 RT: 11.09 min Scan# 1520
 Delta R.T. 0.00 min
 Lab File: VY003621.D
 Acq: 25 Nov 2020 13:33

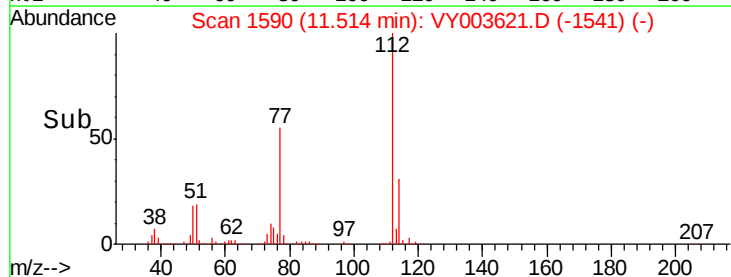
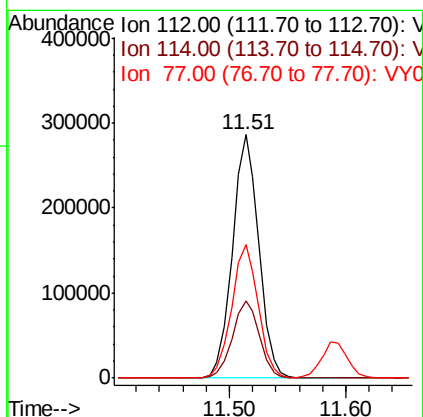
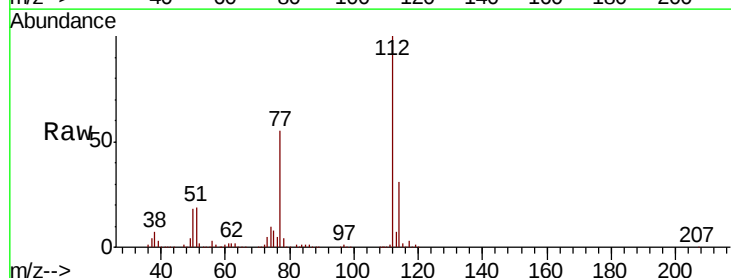
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD050406

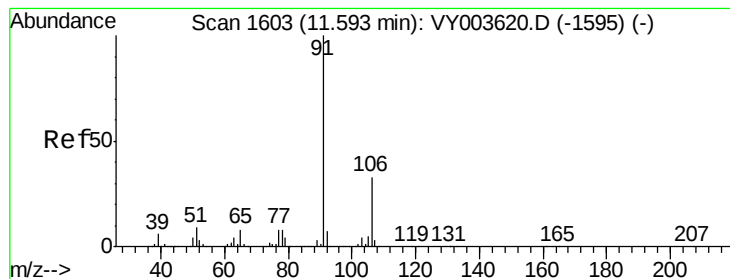
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	65.5	121.7
188	3.8	3.8	5.8#



#51
 Chlorobenzene
 Concen: 48.909 ug/L
 RT: 11.51 min Scan# 1590
 Delta R.T. 0.00 min
 Lab File: VY003621.D
 Acq: 25 Nov 2020 13:33

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.2	41.2
77	54.8	43.8	65.6





#52

Ethylbenzene

Concen: 49.933 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003621.D

Acq: 25 Nov 2020 13:33

Instrument :

MSVOA_Y

ClientSampleId :

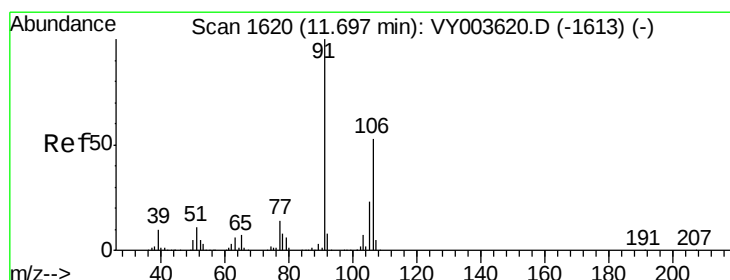
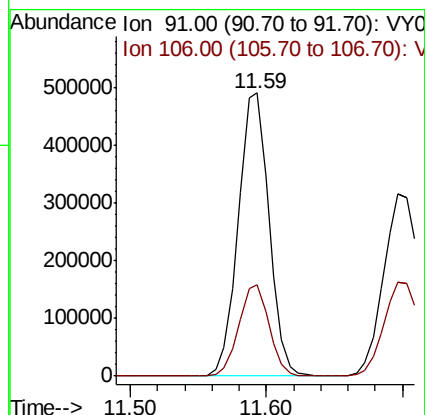
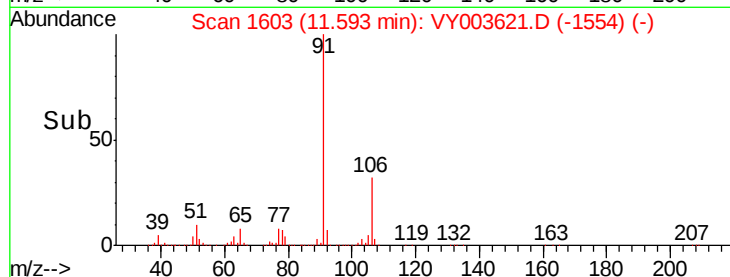
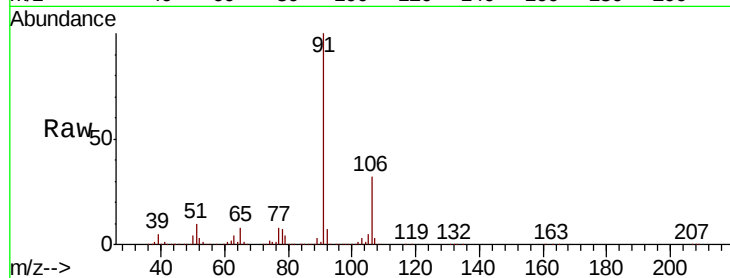
VSTD050406

Tot Ion: 91 Resp: 774150

Ion Ratio Lower Upper

91 100

106 32.2 22.8 42.4



#53

m,p-Xylene

Concen: 50.373 ug/L

RT: 11.70 min Scan# 1620

Delta R.T. 0.00 min

Lab File: VY003621.D

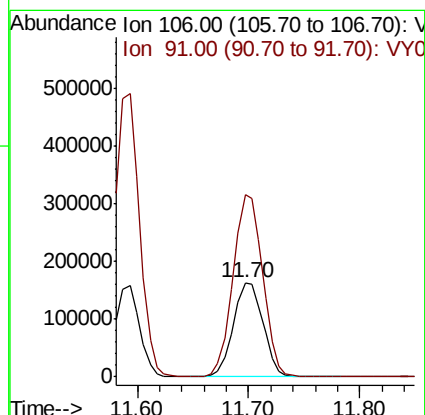
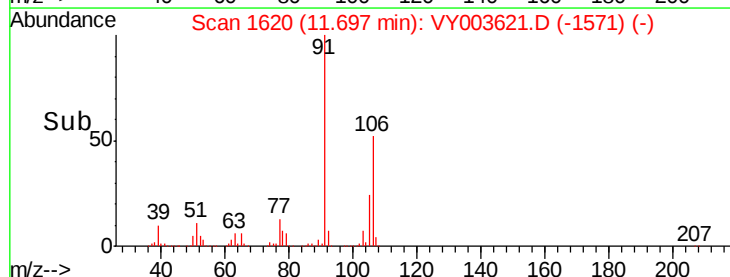
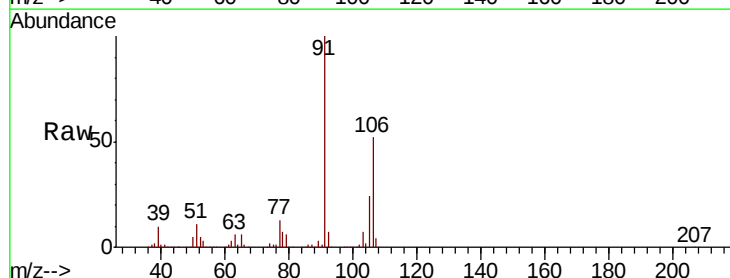
Acq: 25 Nov 2020 13:33

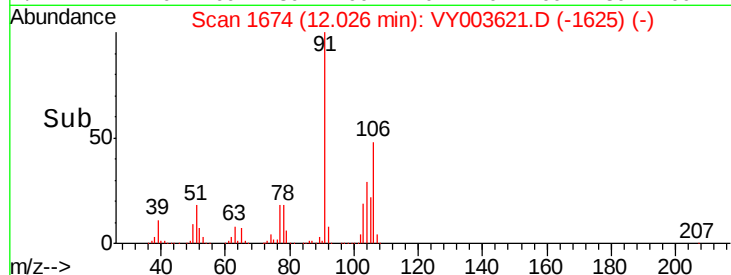
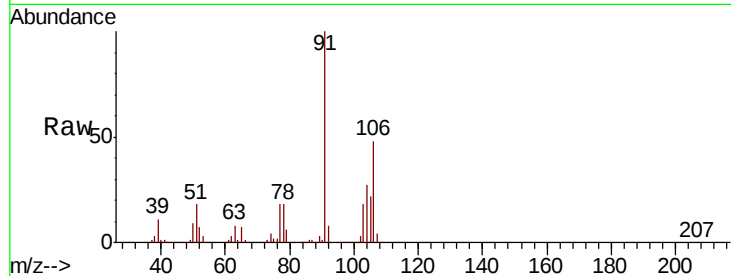
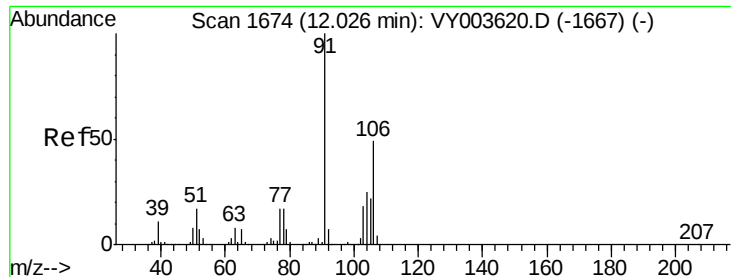
Tgt Ion: 106 Resp: 299267

Ion Ratio Lower Upper

106 100

91 193.7 133.1 247.3





#54

o-Xylene

Concen: 50.604 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VY003621.D

Acq: 25 Nov 2020 13:33

Instrument :

MSVOA_Y

ClientSampleId :

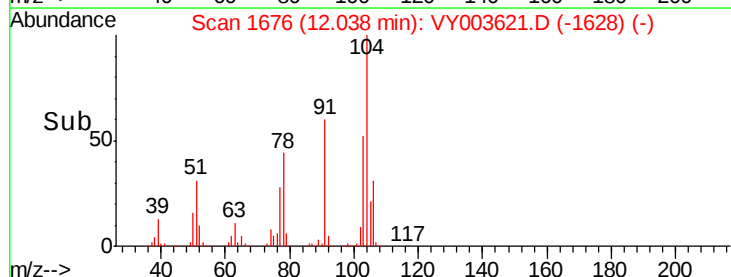
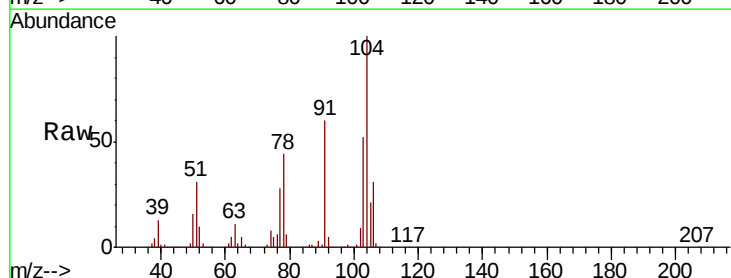
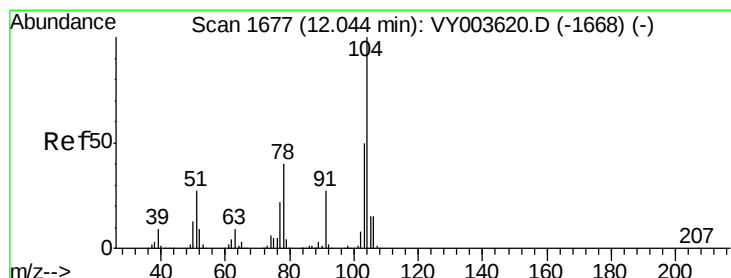
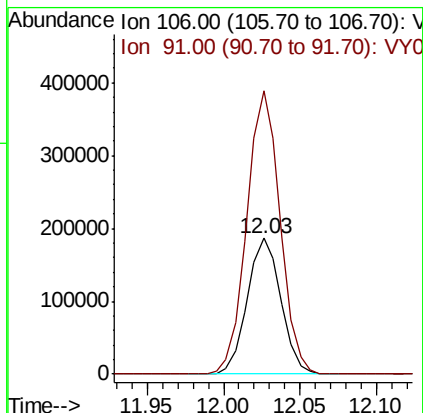
VSTD050406

Tot Ion:106 Resp: 286135

Ion Ratio Lower Upper

106 100

91 208.1 144.1 267.5



#55

Styrene

Concen: 51.026 ug/L

RT: 12.04 min Scan# 1676

Delta R.T. -0.01 min

Lab File: VY003621.D

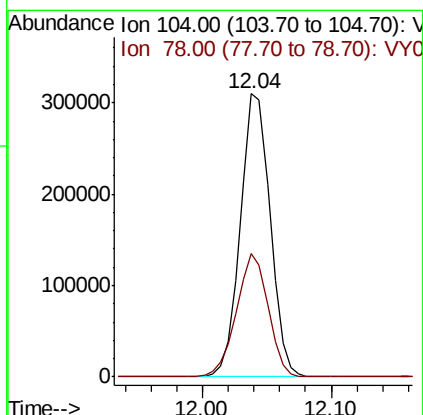
Acq: 25 Nov 2020 13:33

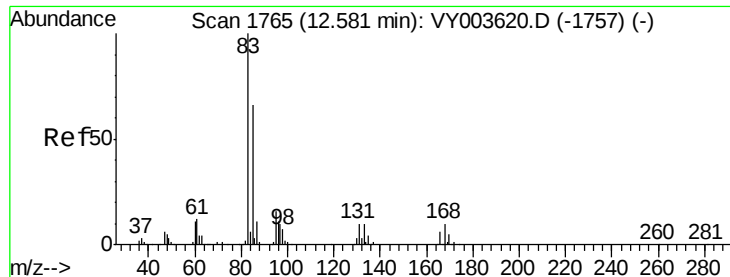
Tgt Ion:104 Resp: 494613

Ion Ratio Lower Upper

104 100

78 43.7 27.6 51.4

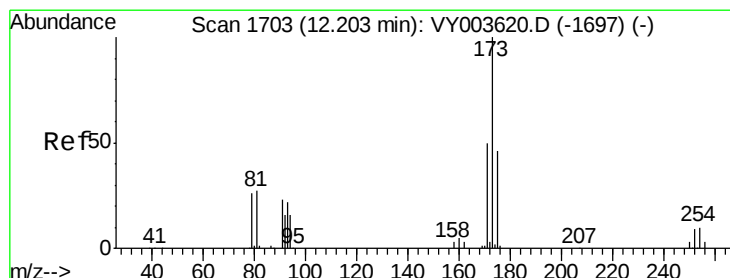
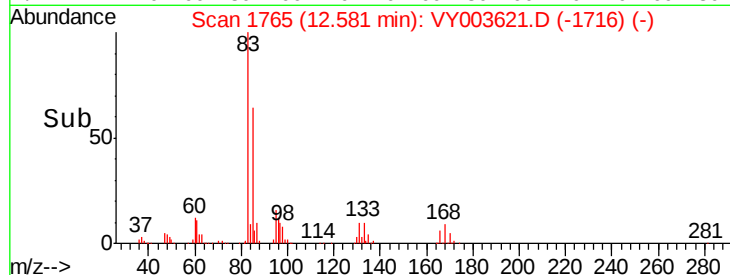
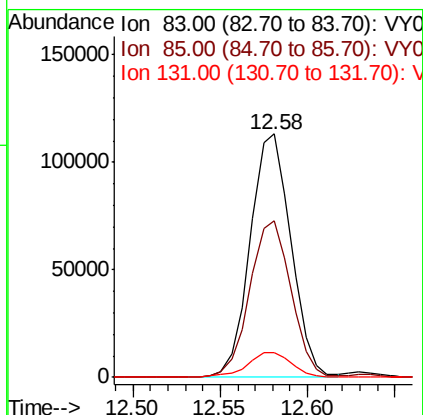
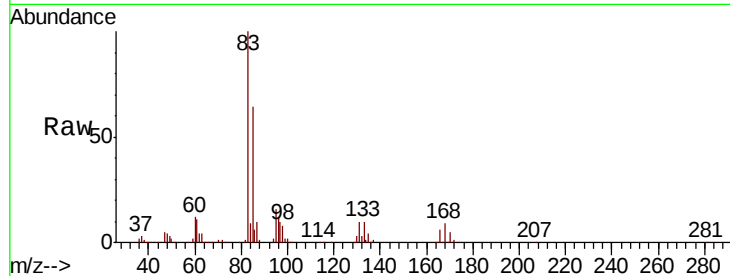




#57
 1,1,2,2-Tetrachloroethane
 Concen: 48.685 ug/L
 RT: 12.58 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: VY003621.D
 Acq: 25 Nov 2020 13:33

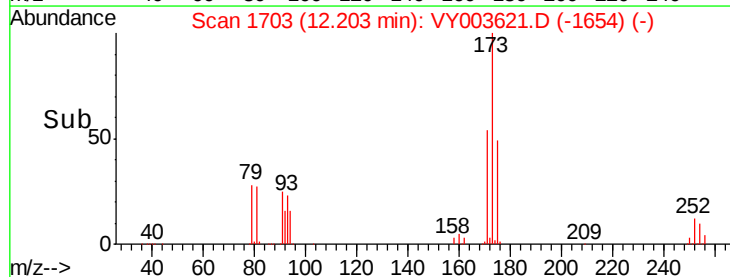
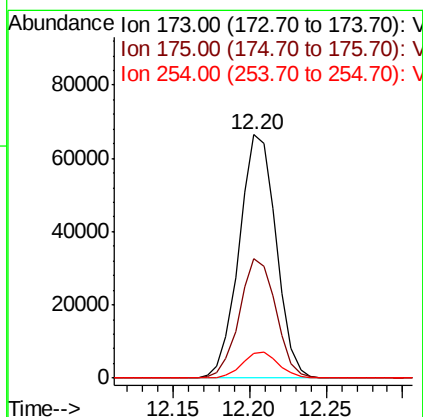
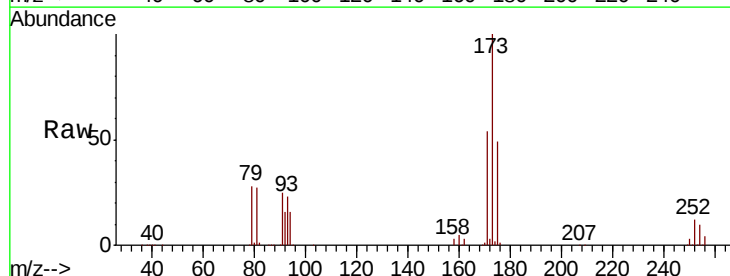
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD050406

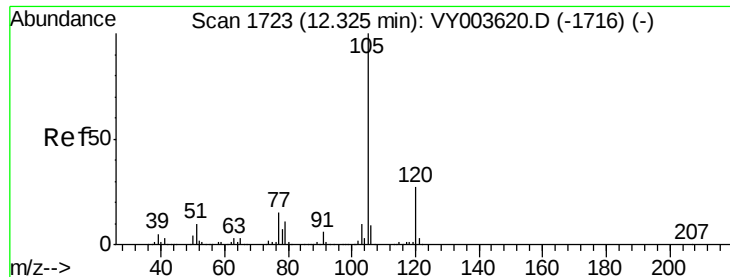
Tot Ion: 83 Resp: 183650
 Ion Ratio Lower Upper
 83 100
 85 64.4 46.1 85.7
 131 10.2 8.1 12.1



#59
 Bromoform
 Concen: 49.418 ug/L
 RT: 12.20 min Scan# 1703
 Delta R.T. 0.00 min
 Lab File: VY003621.D
 Acq: 25 Nov 2020 13:33

Tgt Ion: 173 Resp: 111472
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.2 57.4
 254 10.4 8.0 12.0





#60

Isopropylbenzene

Concen: 50.967 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. 0.00 min

Lab File: VY003621.D

Acq: 25 Nov 2020 13:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTD050406

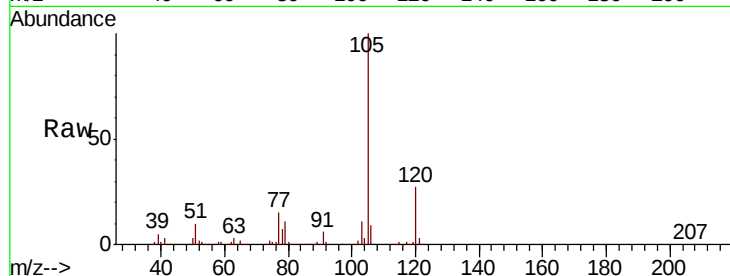
Tot Ion:105 Resp: 758490

Ion Ratio Lower Upper

105 100

120 27.6 22.0 33.0

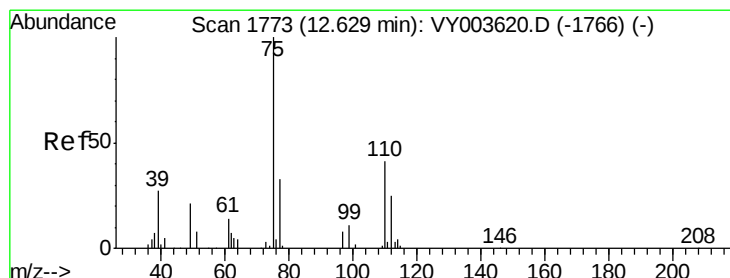
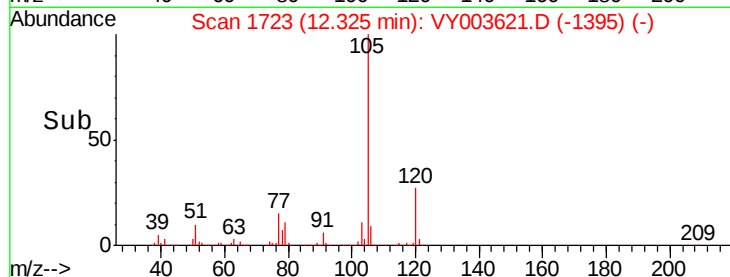
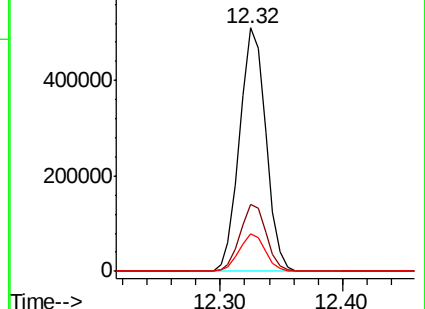
77 15.1 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 48.097 ug/L

RT: 12.63 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VY003621.D

Acq: 25 Nov 2020 13:33

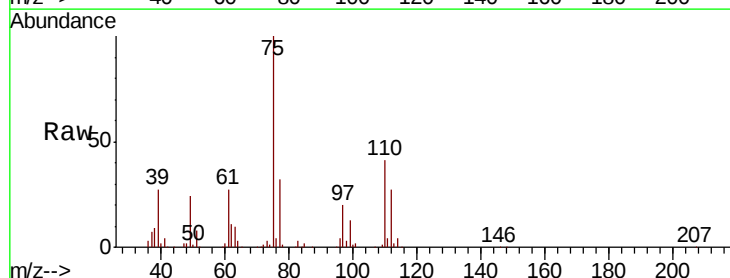
Tgt Ion: 75 Resp: 130200

Ion Ratio Lower Upper

75 100

77 32.3 26.3 39.5

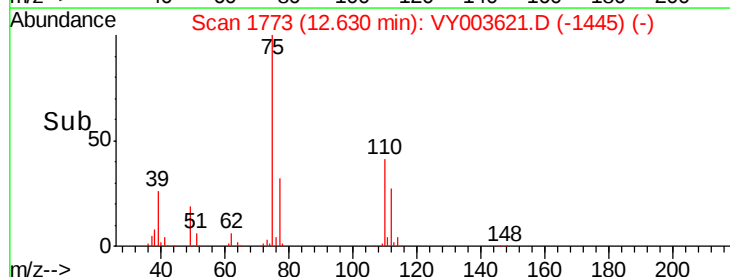
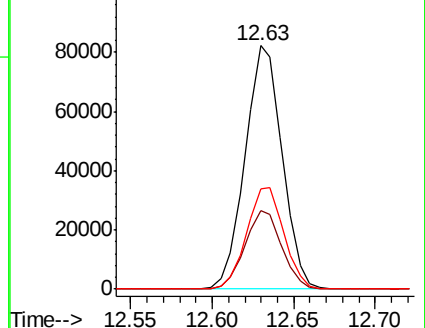
110 42.0 33.0 49.4

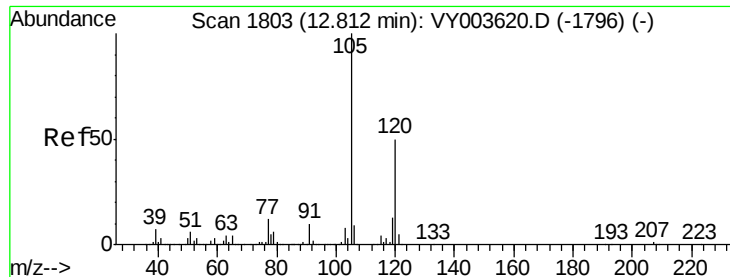


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 51.814 ug/L

RT: 12.81 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VY003621.D

Acq: 25 Nov 2020 13:33

Instrument :

MSVOA_Y

ClientSampleId :

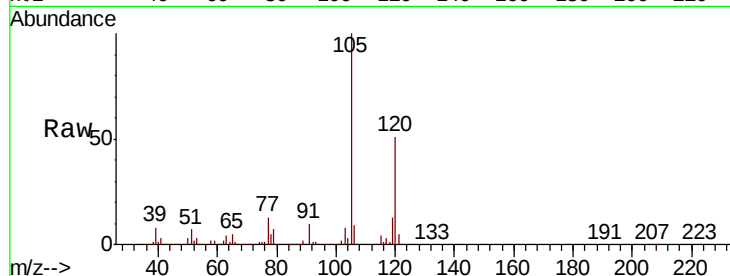
VSTD050406

Tot Ion:105 Resp: 606614

Ion Ratio Lower Upper

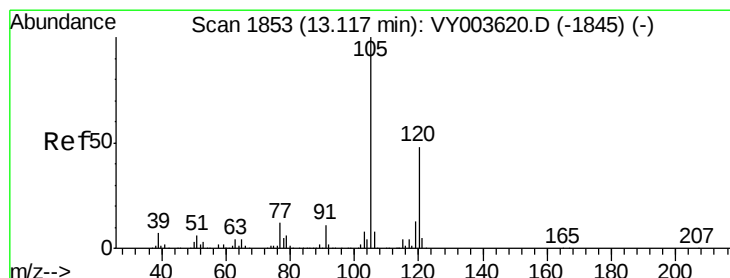
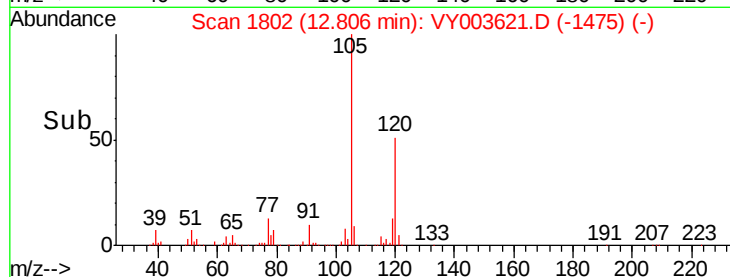
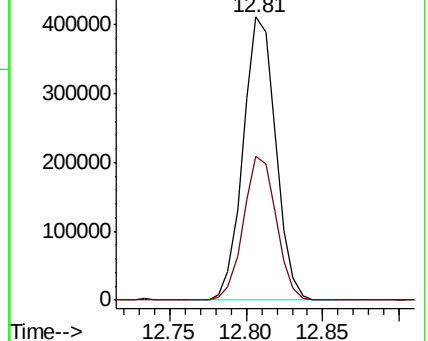
105 100

120 51.0 40.4 60.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 51.909 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VY003621.D

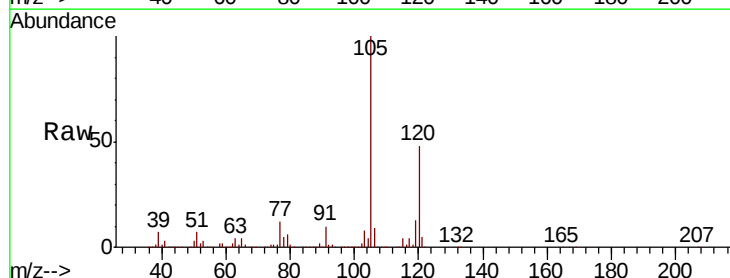
Acq: 25 Nov 2020 13:33

Tgt Ion:105 Resp: 597104

Ion Ratio Lower Upper

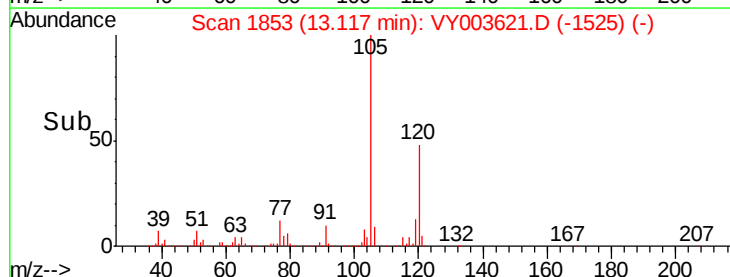
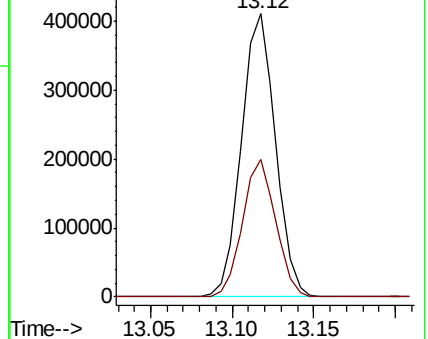
105 100

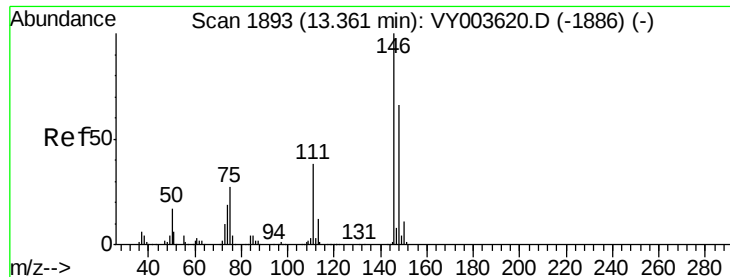
120 47.3 38.0 57.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

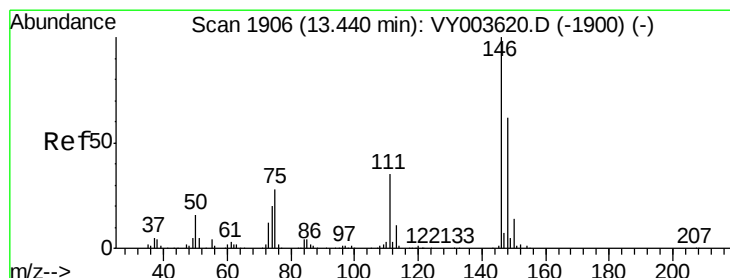
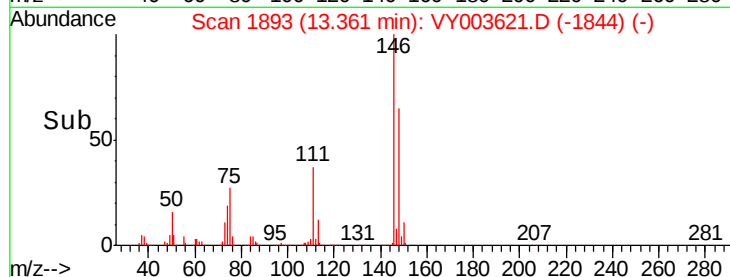
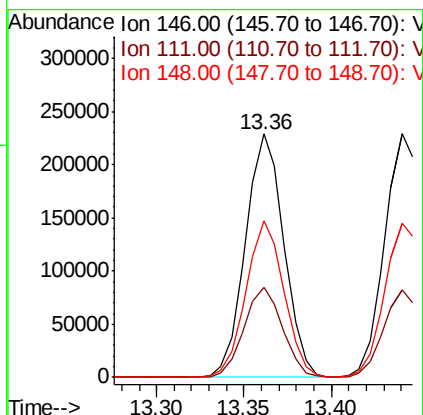
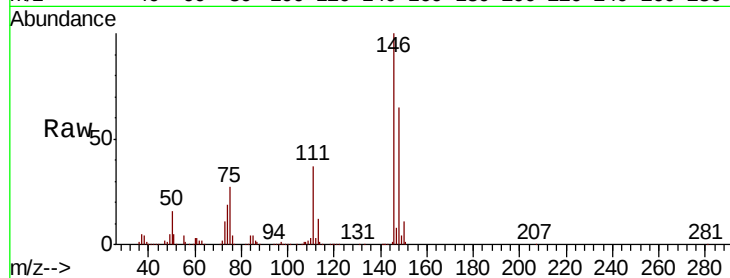




#64
 1,3-Dichlorobenzene
 Concen: 49.496 ug/L
 RT: 13.36 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VY003621.D
 Acq: 25 Nov 2020 13:33

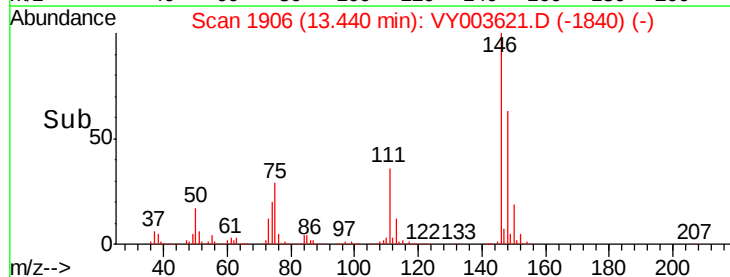
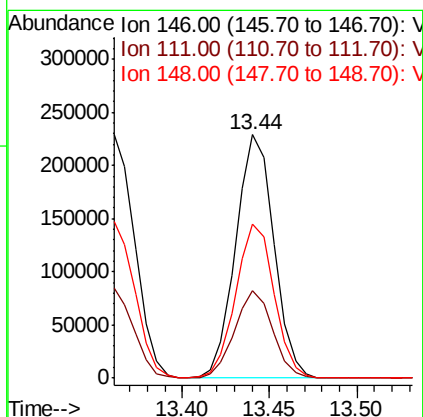
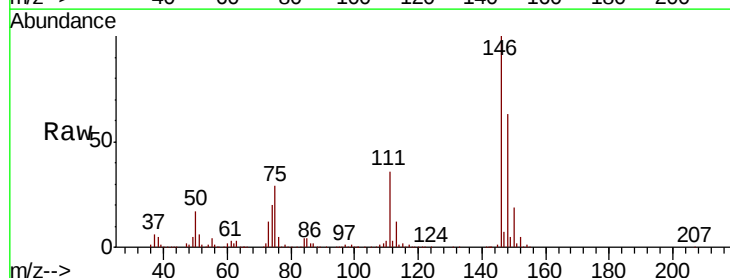
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD050406

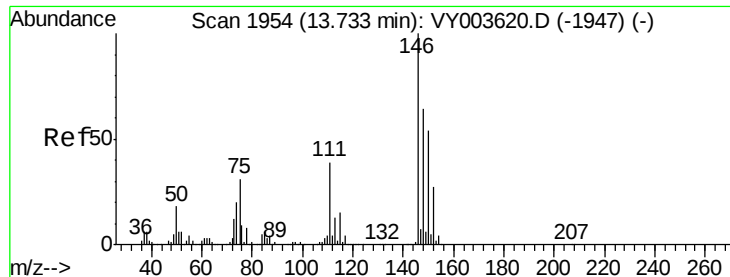
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	26.6	49.4
148	64.6	46.3	86.1



#65
 1,4-Dichlorobenzene
 Concen: 48.150 ug/L
 RT: 13.44 min Scan# 1906
 Delta R.T. 0.00 min
 Lab File: VY003621.D
 Acq: 25 Nov 2020 13:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	24.7	45.9
148	63.1	43.4	80.6

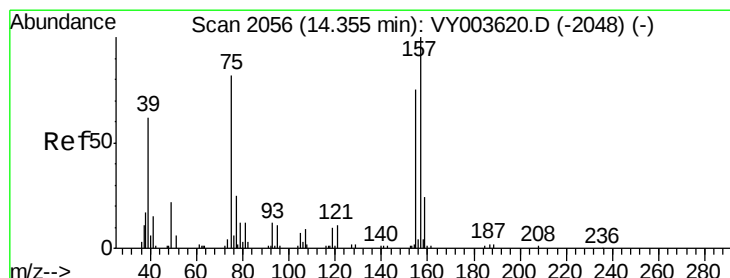
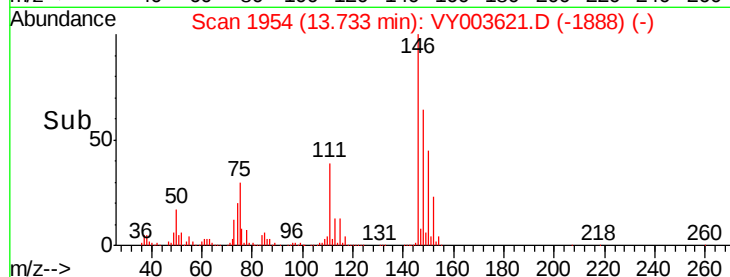
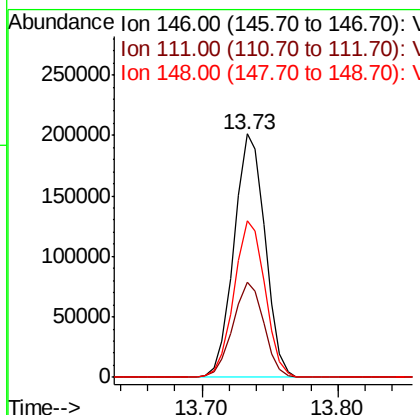
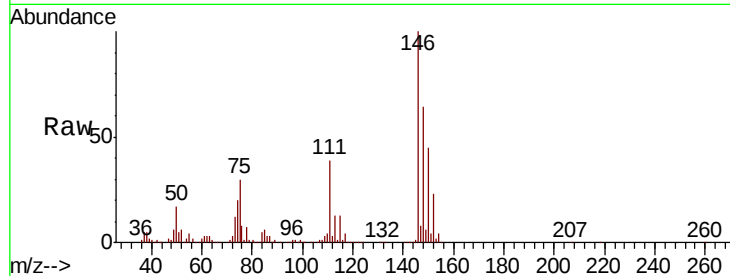




#67
 1,2-Dichlorobenzene
 Concen: 48.848 ug/L
 RT: 13.73 min Scan# 1954
 Delta R.T. 0.00 min
 Lab File: VY003621.D
 Acq: 25 Nov 2020 13:33

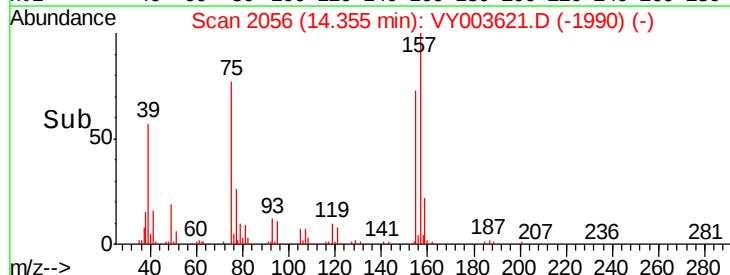
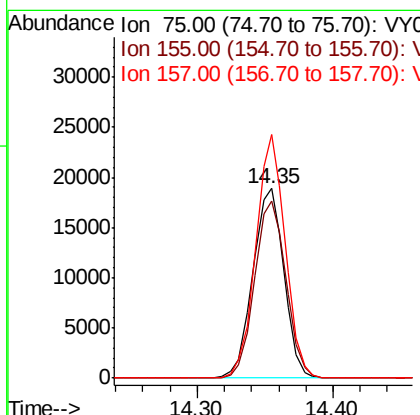
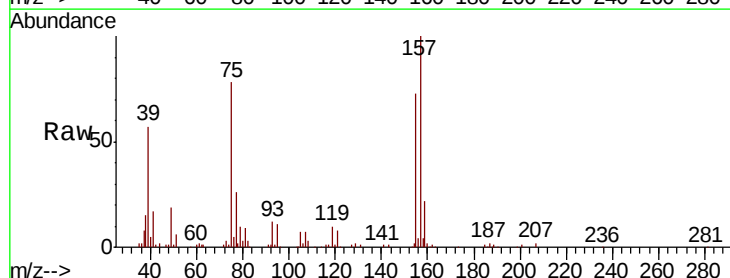
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD050406

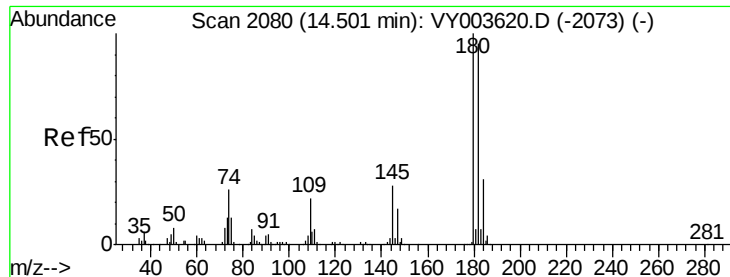
Tot Ion:146 Resp: 320121
 Ion Ratio Lower Upper
 146 100
 111 38.9 31.0 46.6
 148 64.3 51.0 76.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 49.169 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. 0.00 min
 Lab File: VY003621.D
 Acq: 25 Nov 2020 13:33

Tgt Ion: 75 Resp: 30240
 Ion Ratio Lower Upper
 75 100
 155 93.5 73.4 110.0
 157 128.6 98.1 147.1

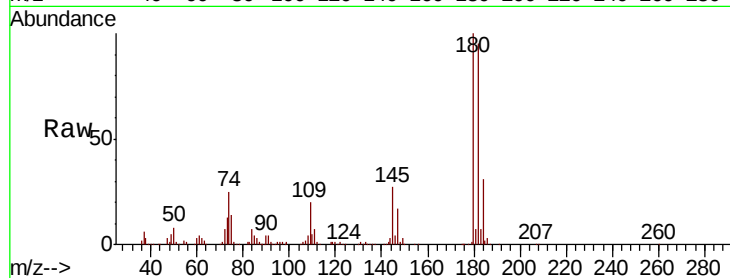




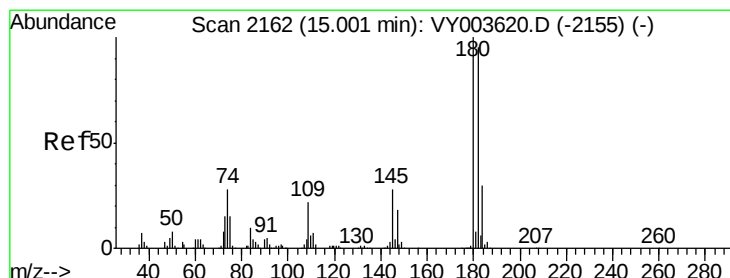
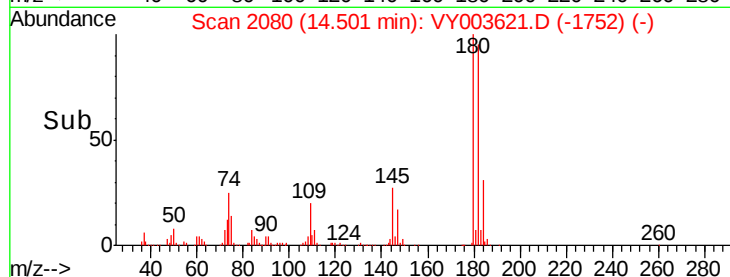
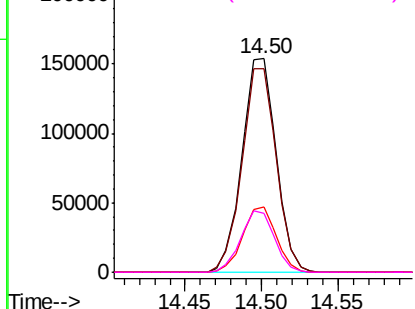
#69
 1,3,5-Trichlorobenzene
 Concen: 48.886 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VY003621.D
 Acq: 25 Nov 2020 13:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD050406

Tot Ion:180	Resp:	238903
Ion	Ratio	Lower Upper
180	100	
182	95.4	75.4 113.0
184	30.2	24.1 36.1
145	28.2	22.4 33.6

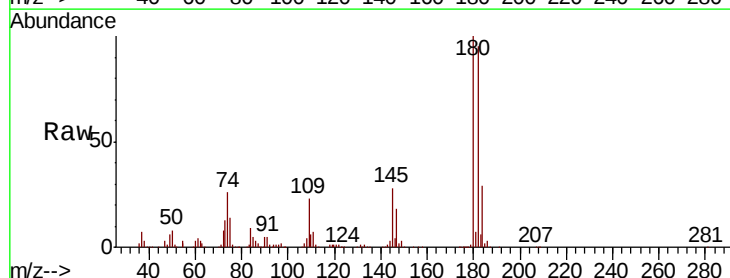


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

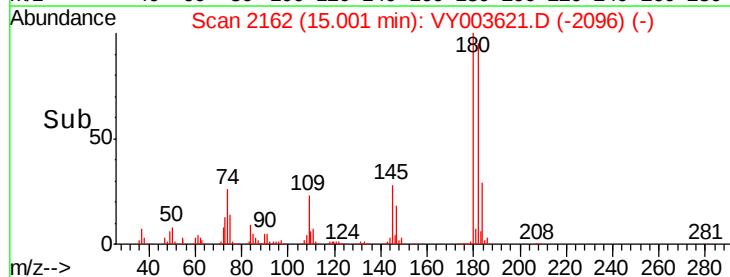
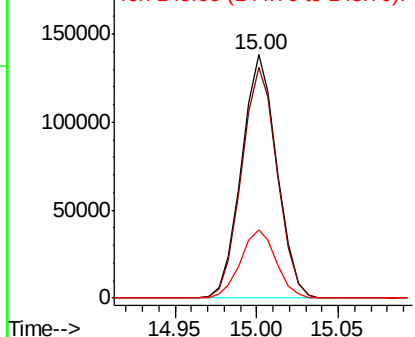


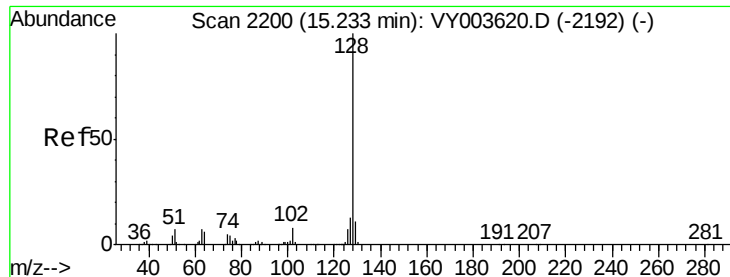
#70
 1,2,4-trichlorobenzene
 Concen: 49.476 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. 0.00 min
 Lab File: VY003621.D
 Acq: 25 Nov 2020 13:33

Tgt Ion:180	Resp:	208235
Ion	Ratio	Lower Upper
180	100	
182	95.6	76.1 114.1
145	28.4	22.8 34.2



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

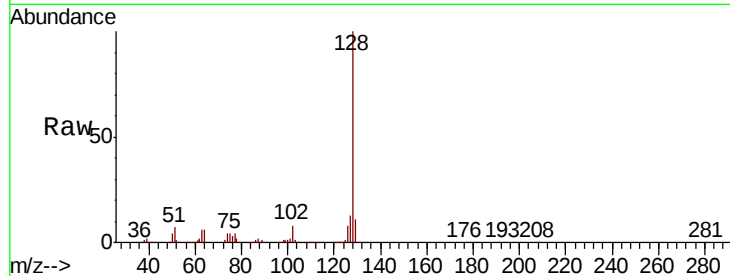




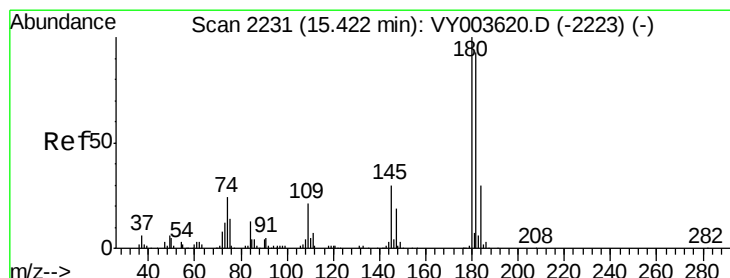
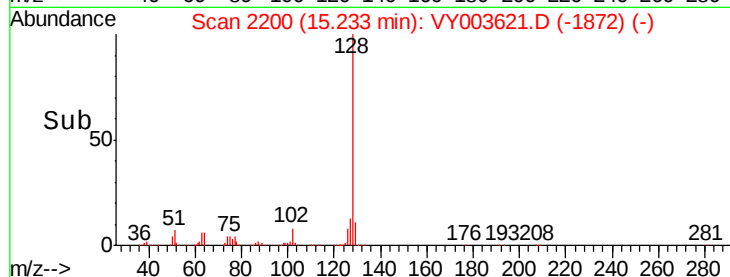
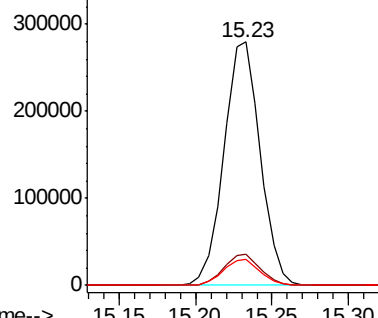
#71
Naphthalene
Concen: 52.659 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VY003621.D
Acq: 25 Nov 2020 13:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTD050406

Tot Ion:128 Resp: 461440
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.8 8.5 12.7

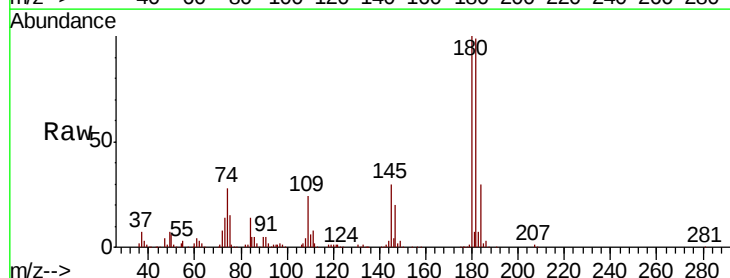


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 49.626 ug/L
RT: 15.42 min Scan# 2230
Delta R.T. -0.01 min
Lab File: VY003621.D
Acq: 25 Nov 2020 13:33

Tgt Ion:180 Resp: 191529
Ion Ratio Lower Upper
180 100
182 96.3 76.2 114.4
145 30.0 23.6 35.4



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

