

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112520\
 Data File : VY003625.D
 Acq On : 25 Nov 2020 15:40
 Operator : SY/MD
 Sample : VSTD00535
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005404

Quant Time: Nov 26 04:44:10 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	237874	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	218486	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	112214	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	18108	5.31	ug/L	0.00
7) Chloroethane-d5	2.77	69	14614	5.54	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.86	63	35682	5.42	ug/L	0.00
21) 2-Butanone-d5	6.90	46	13105	10.23	ug/L	0.00
24) Chloroform-d	7.49	84	32375	5.20	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.14	65	18526	5.30	ug/L	0.00
32) Benzene-d6	8.12	84	67627	5.30	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.12	67	19888	5.22	ug/L	0.00
41) Toluene-d8	10.18	98	61201	5.34	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.43	79	9820	5.31	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	9190	9.67	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	20081	5.27	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	20663	5.09	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	14370	5.056 ug/L	96
3) Chloromethane	2.11	50	16566	5.109 ug/L	100
5) Vinyl chloride	2.25	62	18237	5.264 ug/L	96
6) Bromomethane	2.66	94	11890	5.177 ug/L	95
8) Chloroethane	2.80	64	10661	5.150 ug/L	99
9) Trichlorofluoromethane	3.14	101	27074	5.170 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	17317	5.277 ug/L	99
12) 1,1-Dichloroethene	3.89	96	15567	5.038 ug/L	94
13) Acetone	3.97	43	10674	10.223 ug/L	99
14) Carbon disulfide	4.20	76	53258	5.059 ug/L	100
15) Methyl Acetate	4.48	43	12094	5.399 ug/L #	76
16) Methylene chloride	4.72	84	27095	5.715 ug/L	98
17) trans-1,2-Dichloroethene	5.23	96	17137	5.114 ug/L	90
18) Methyl tert-butyl Ether	5.23	73	40734	4.933 ug/L	97
19) 1,1-Dichloroethane	6.03	63	30098	5.160 ug/L	98
20) cis-1,2-Dichloroethene	7.00	96	17925	5.003 ug/L	95
22) 2-Butanone	7.00	43	17056	10.807 ug/L	94
23) Bromochloromethane	7.34	128	8778	5.004 ug/L	96
25) Chloroform	7.51	83	30242	5.159 ug/L	96
27) 1,2-Dichloroethane	8.24	62	19722	5.066 ug/L	98
29) Cyclohexane	7.79	56	25891	4.917 ug/L	98
30) 1,1,1-Trichloroethane	7.70	97	26970	5.207 ug/L	99
31) Carbon tetrachloride	7.91	117	24053	5.124 ug/L	98
33) Benzene	8.17	78	70638	5.263 ug/L	100
34) Trichloroethene	8.94	95	17227	5.160 ug/L	96
35) Methylcyclohexane	9.19	83	28843	4.999 ug/L	99
37) 1,2-Dichloropropane	9.22	63	17391	5.154 ug/L	100
38) Bromodichloromethane	9.50	83	22085	5.132 ug/L	93
39) cis-1,3-Dichloropropene	9.93	75	26452	5.008 ug/L	97
40) 4-Methyl-2-pentanone	10.07	43	30547	10.248 ug/L	98

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

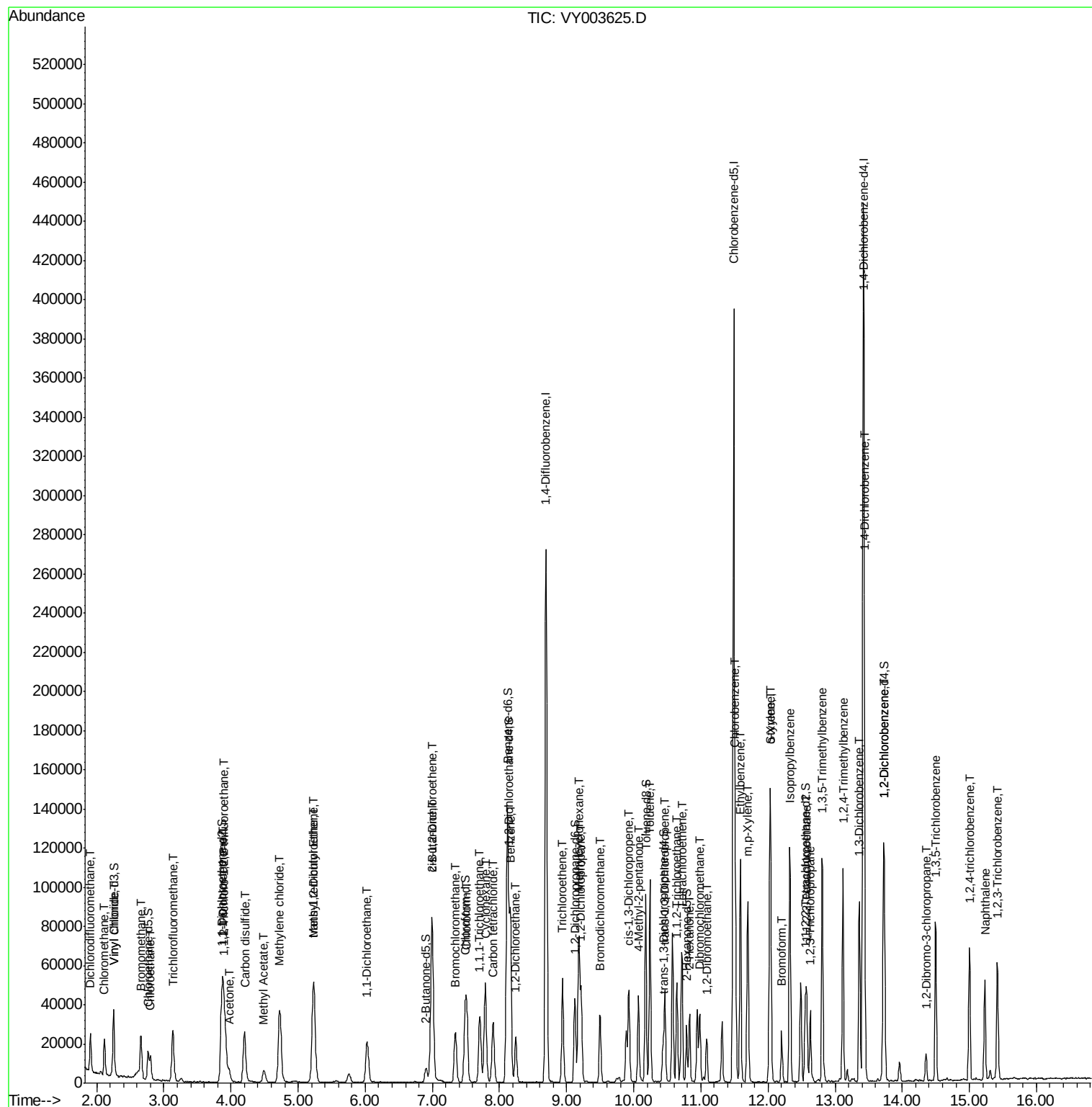
42) Toluene	10.24	91	72841	5.134	ug/L	98
44) trans-1,3-Dichloropropene	10.47	75	24622	5.080	ug/L	94
45) 1,1,2-Trichloroethane	10.64	97	14847	5.288	ug/L	95
46) Tetrachloroethene	10.72	164	15121	5.205	ug/L	91
48) 2-Hexanone	10.83	43	21811	10.257	ug/L	97
49) Dibromochloromethane	10.98	129	16698	5.064	ug/L	90
50) 1,2-Dibromoethane	11.09	107	13958	5.169	ug/L	98
51) Chlorobenzene	11.51	112	46771	5.190	ug/L	99
52) Ethylbenzene	11.59	91	77644	5.095	ug/L	97
53) m,p-Xylene	11.70	106	29377	5.030	ug/L	96
54) o-Xylene	12.03	106	27689	4.982	ug/L	97
55) Styrene	12.04	104	47900	5.027	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.58	83	19077	5.145	ug/L	99
59) Bromoform	12.21	173	11578	5.179	ug/L	98
60) Isopropylbenzene	12.32	105	72374	4.907	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	13921	5.189	ug/L	97
62) 1,3,5-Trimethylbenzene	12.81	105	56139	4.838	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	54511	4.781	ug/L	98
64) 1,3-Dichlorobenzene	13.36	146	36016	5.143	ug/L	96
65) 1,4-Dichlorobenzene	13.44	146	36406	5.077	ug/L	100
67) 1,2-Dichlorobenzene	13.73	146	33491	5.156	ug/L	96
68) 1,2-Dibromo-3-chloropropan	14.35	75	3225	5.291	ug/L	94
69) 1,3,5-Trichlorobenzene	14.50	180	24372	5.032	ug/L	97
70) 1,2,4-trichlorobenzene	15.00	180	20972	5.028	ug/L	99
71) Naphthalene	15.23	128	41652	4.796	ug/L	97
72) 1,2,3-Trichlorobenzene	15.42	180	19659	5.139	ug/L	99

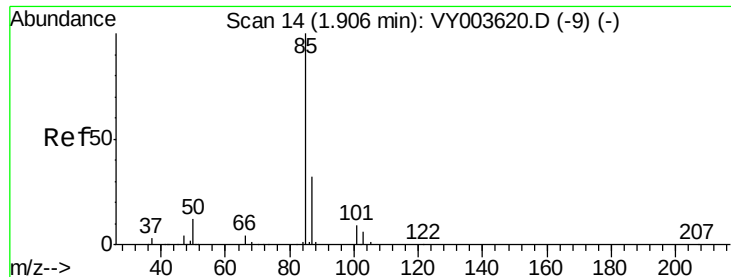
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.056 ug/L

RT: 1.91 min Scan# 14

Delta R.T. 0.00 min

Lab File: VY003625.D

Acq: 25 Nov 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

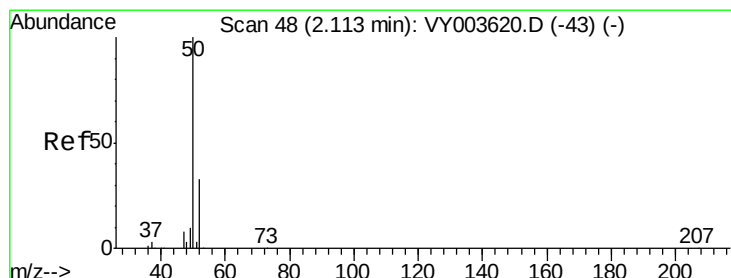
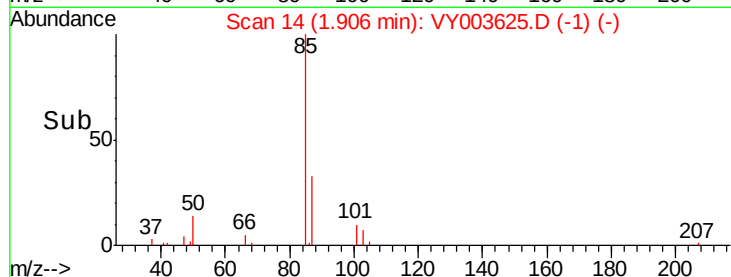
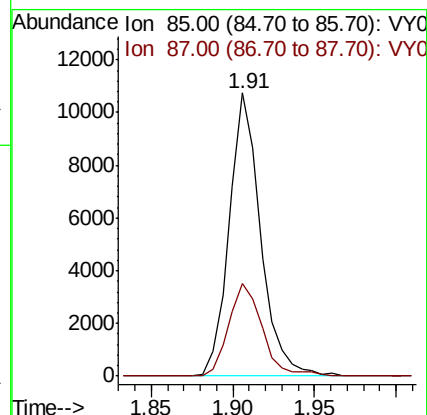
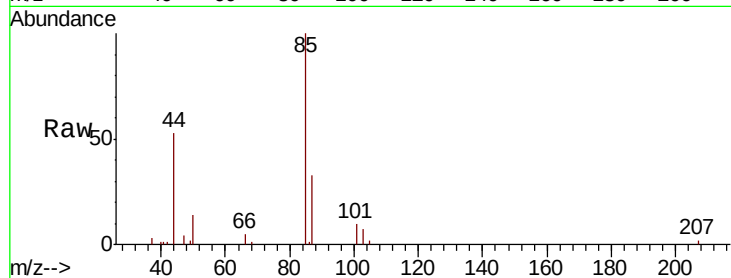
VSTD005404

Tot Ion: 85 Resp: 14370

Ion Ratio Lower Upper

85 100

87 34.3 25.4 38.2



#3

Chloromethane

Concen: 5.109 ug/L

RT: 2.11 min Scan# 48

Delta R.T. 0.00 min

Lab File: VY003625.D

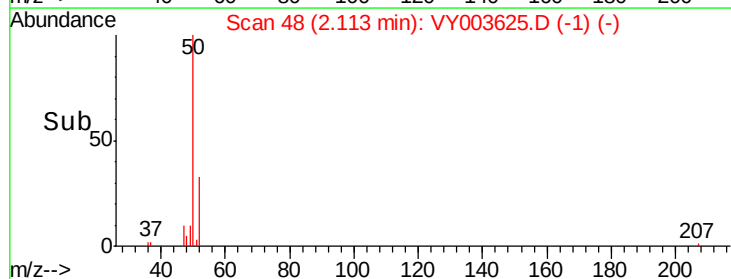
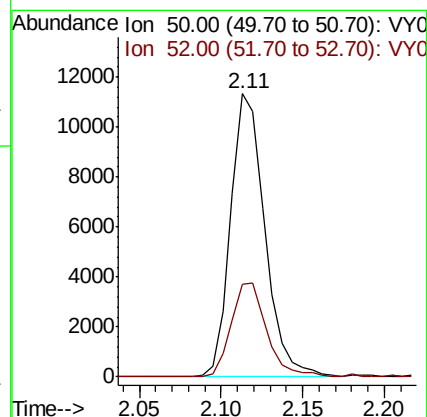
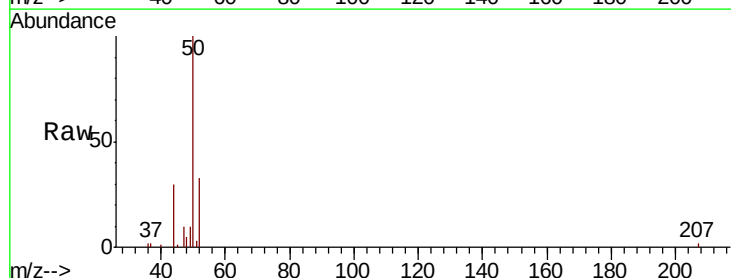
Acq: 25 Nov 2020 15:40

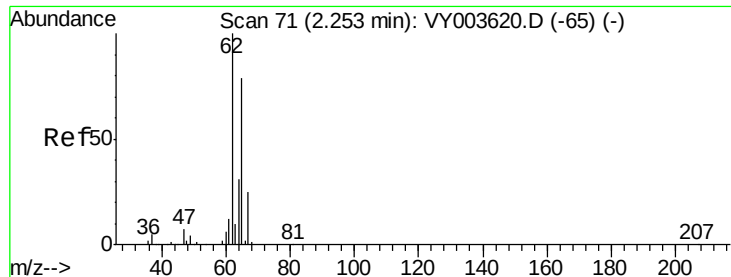
Tgt Ion: 50 Resp: 16566

Ion Ratio Lower Upper

50 100

52 32.6 22.7 42.3





#5

Vinyl chloride

Concen: 5.264 ug/L

RT: 2.25 min Scan# 71

Delta R.T. 0.00 min

Lab File: VY003625.D

Acq: 25 Nov 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

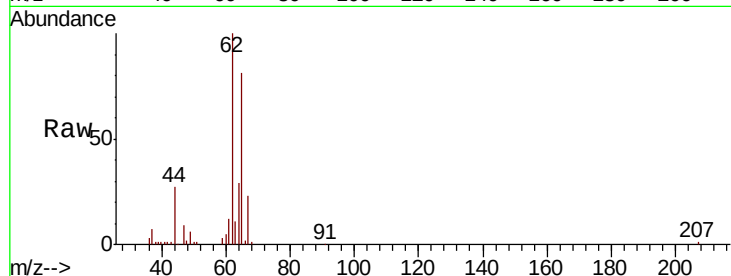
VSTD005404

Tot Ion: 62 Resp: 18237

Ion Ratio Lower Upper

62 100

64 29.3 21.9 40.7



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0

2.25

12000

10000

8000

6000

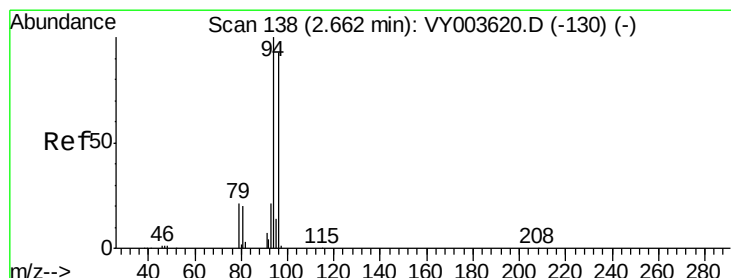
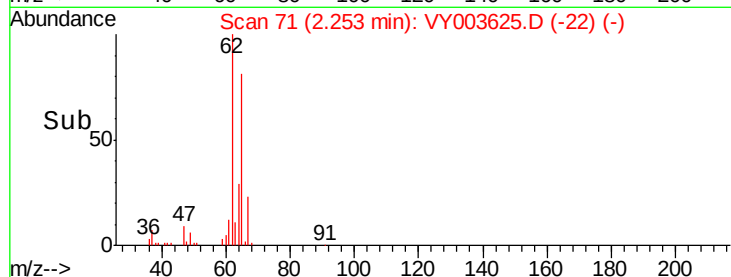
4000

2000

0

Time-->

2.20 2.25 2.30



#6

Bromomethane

Concen: 5.177 ug/L

RT: 2.66 min Scan# 137

Delta R.T. -0.01 min

Lab File: VY003625.D

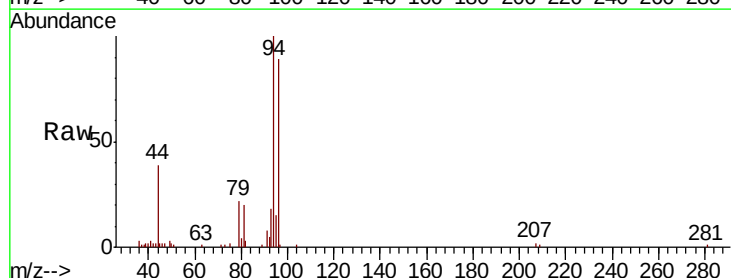
Acq: 25 Nov 2020 15:40

Tgt Ion: 94 Resp: 11890

Ion Ratio Lower Upper

94 100

96 88.7 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

2.66

8000

6000

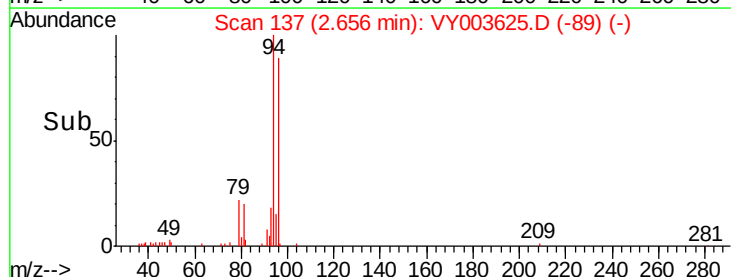
4000

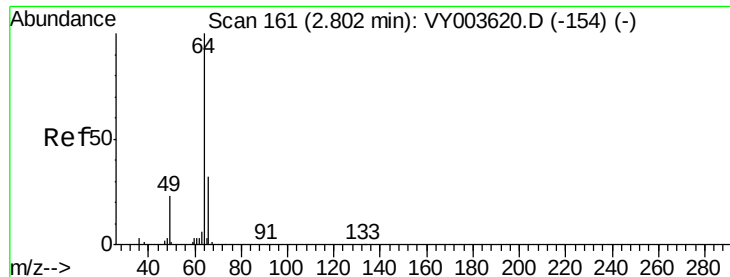
2000

0

Time-->

2.60 2.65 2.70





#8

Chloroethane

Concen: 5.150 ug/L

RT: 2.80 min Scan# 161

Delta R.T. 0.00 min

Lab File: VY003625.D

Acq: 25 Nov 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

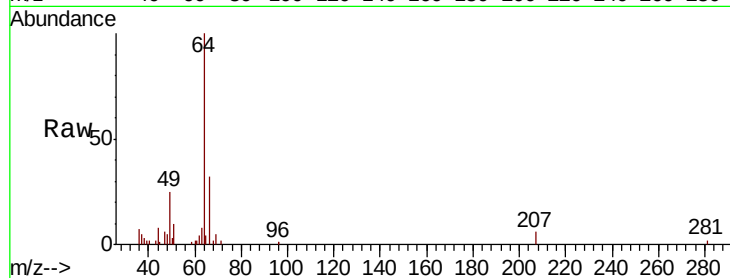
VSTD005404

Tot Ion: 64 Resp: 10661

Ion Ratio Lower Upper

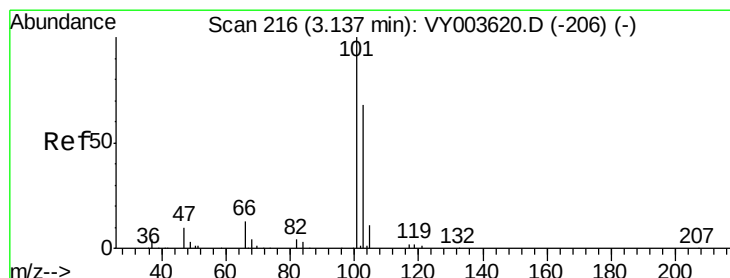
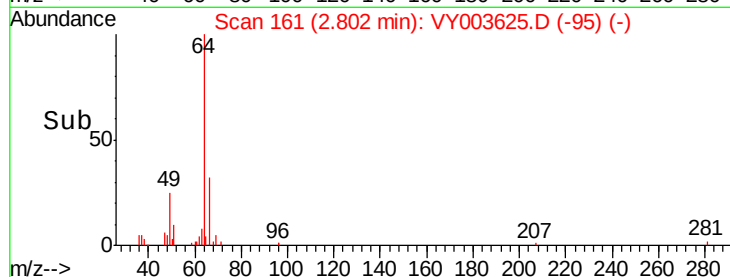
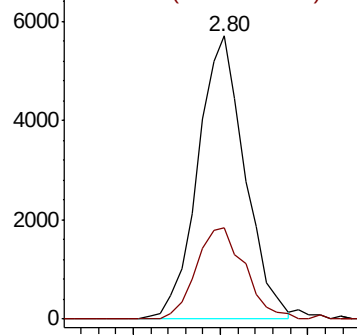
64 100

66 32.1 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0



#9

Trichlorofluoromethane

Concen: 5.170 ug/L

RT: 3.14 min Scan# 216

Delta R.T. 0.00 min

Lab File: VY003625.D

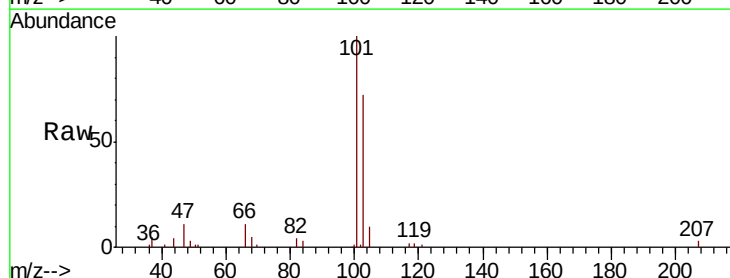
Acq: 25 Nov 2020 15:40

Tgt Ion: 101 Resp: 27074

Ion Ratio Lower Upper

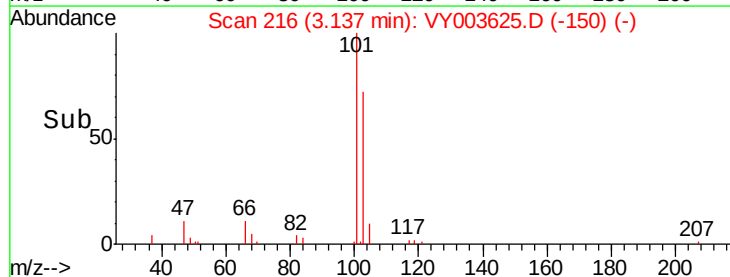
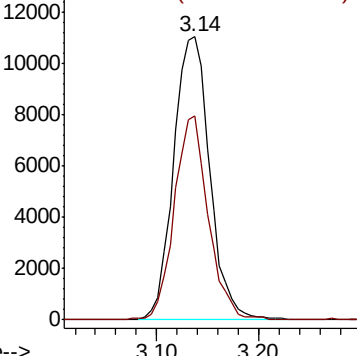
101 100

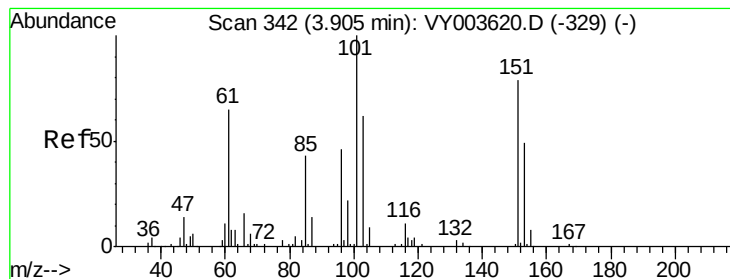
103 67.0 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 5.277 ug/L

RT: 3.91 min Scan# 342

Delta R.T. 0.00 min

Lab File: VY003625.D

Acq: 25 Nov 2020 15:40

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ClientSampleId :

VSTD005404

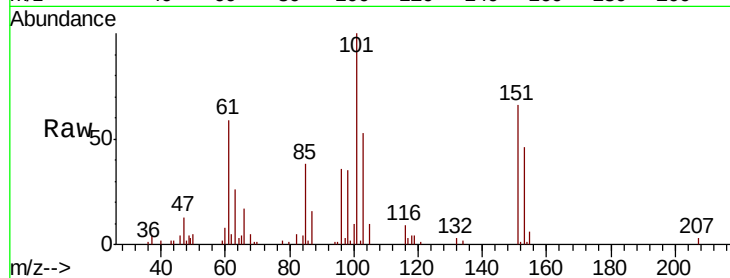
Tot Ion:101 Resp: 17317

Ion Ratio Lower Upper

101 100

85 44.1 35.6 53.4

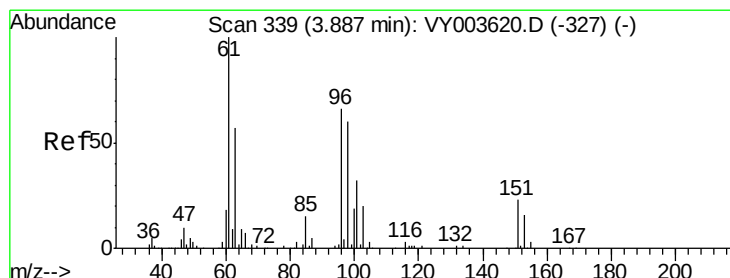
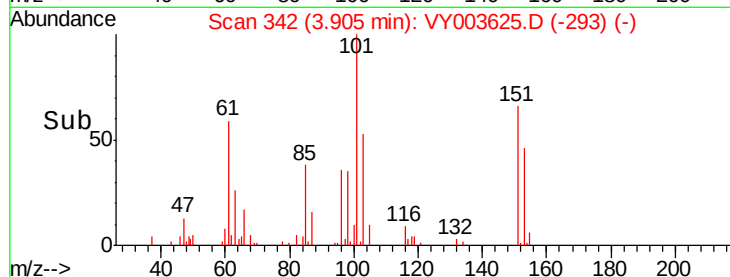
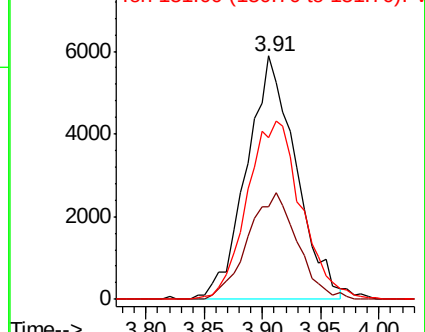
151 81.0 64.2 96.2



Abundance Ion 101.00 (100.70 to 101.70): VY003625.D (-293) (-)

Ion 85.00 (84.70 to 85.70): VY003625.D (-293) (-)

Ion 151.00 (150.70 to 151.70): VY003625.D (-293) (-)



#12

1,1-Dichloroethene

Concen: 5.038 ug/L

RT: 3.89 min Scan# 339

Delta R.T. 0.00 min

Lab File: VY003625.D

Acq: 25 Nov 2020 15:40

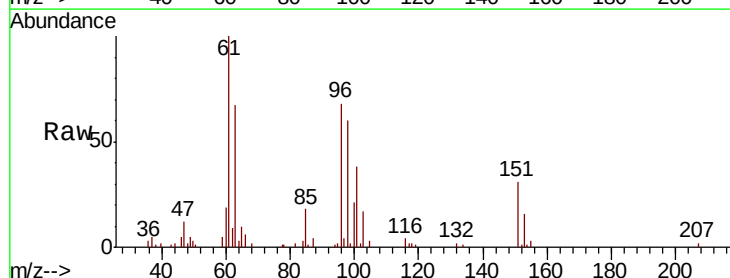
Tgt Ion: 96 Resp: 15567

Ion Ratio Lower Upper

96 100

61 146.4 106.1 197.1

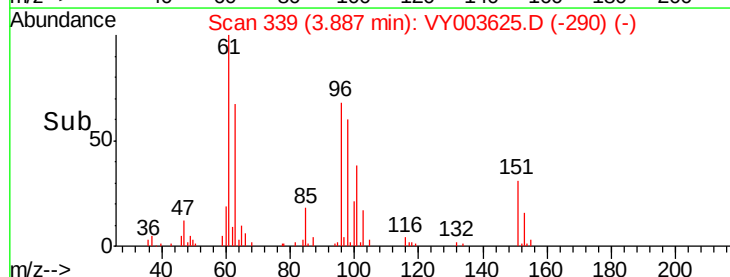
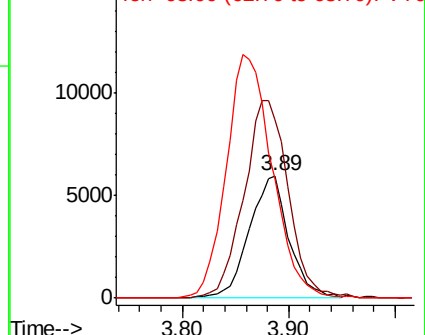
63 97.5 62.9 116.9

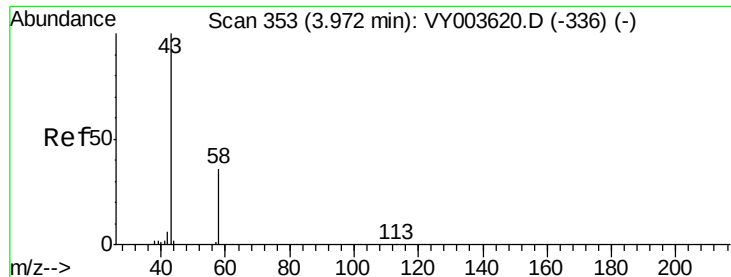


Abundance Ion 96.00 (95.70 to 96.70): VY003625.D (-290) (-)

Ion 61.00 (60.70 to 61.70): VY003625.D (-290) (-)

Ion 63.00 (62.70 to 63.70): VY003625.D (-290) (-)





#13

Acetone

Concen: 10.223 ug/L

RT: 3.97 min Scan# 353

Delta R.T. 0.00 min

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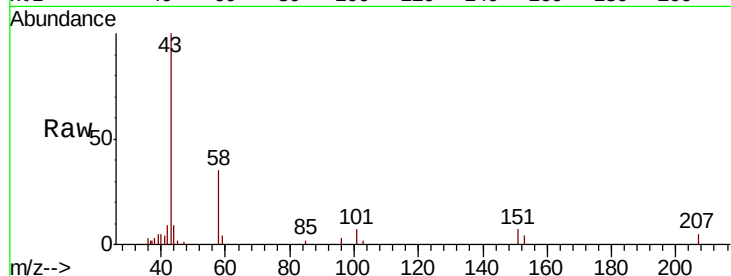
VSTD005404

Tot Ion: 43 Resp: 10674

Ion Ratio Lower Upper

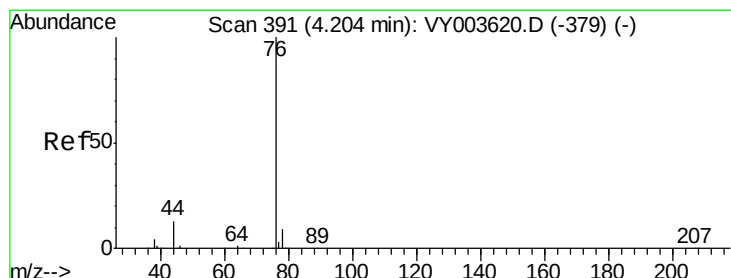
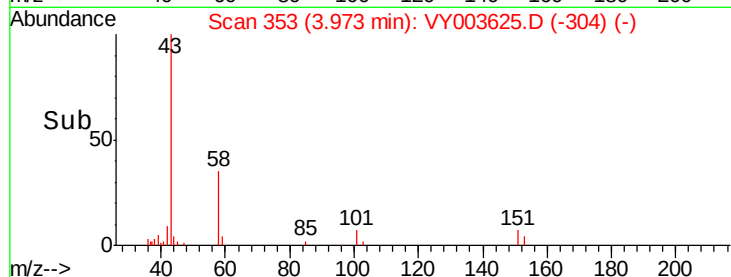
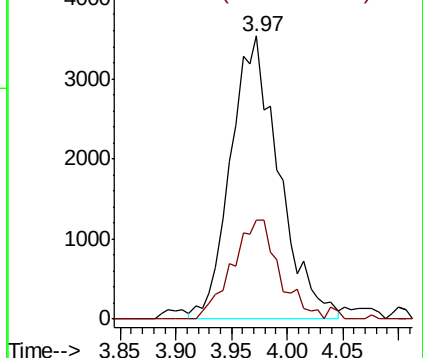
43 100

58 31.6 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VY003625.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VY003625.D (-336) (-)



#14

Carbon disulfide

Concen: 5.059 ug/L

RT: 4.20 min Scan# 391

Delta R.T. 0.00 min

Lab File: VY003625.D

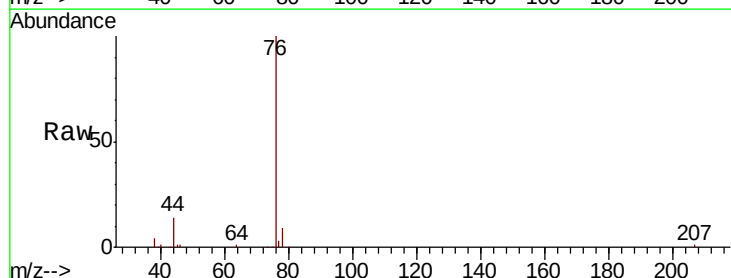
Acq: 25 Nov 2020 15:40

Tgt Ion: 76 Resp: 53258

Ion Ratio Lower Upper

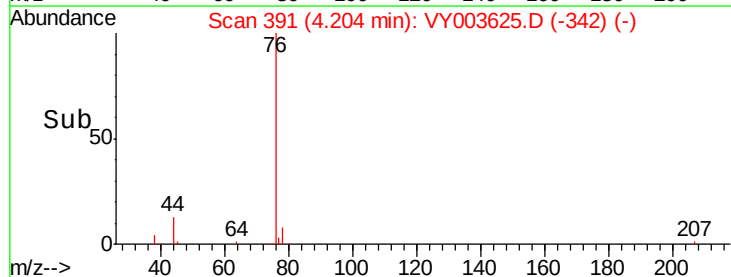
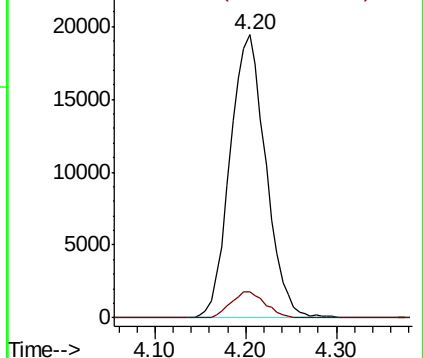
76 100

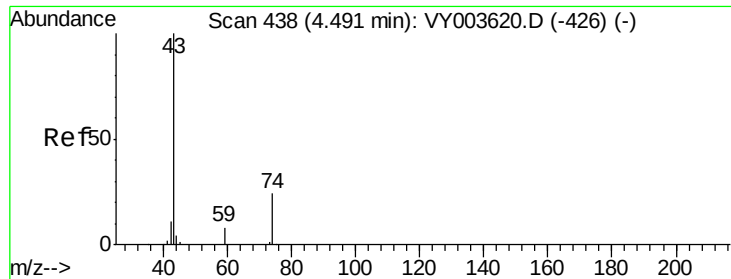
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VY003625.D (-379) (-)

Ion 78.00 (77.70 to 78.70): VY003625.D (-379) (-)

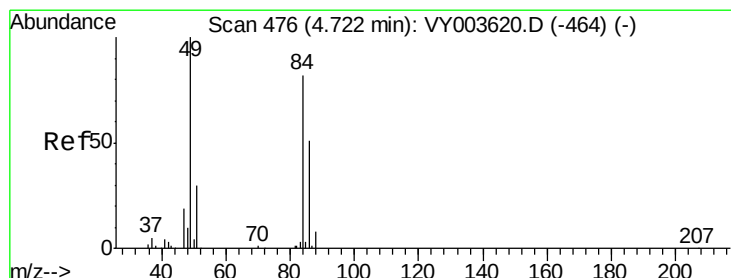
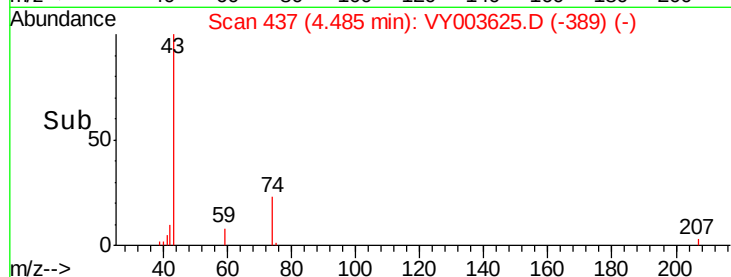
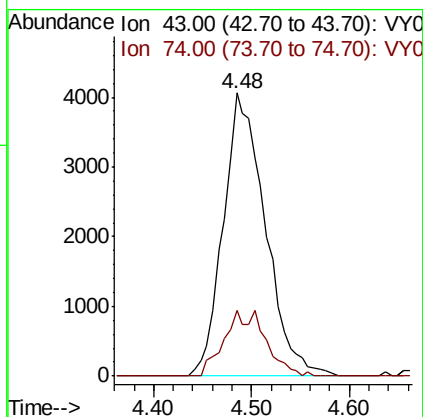
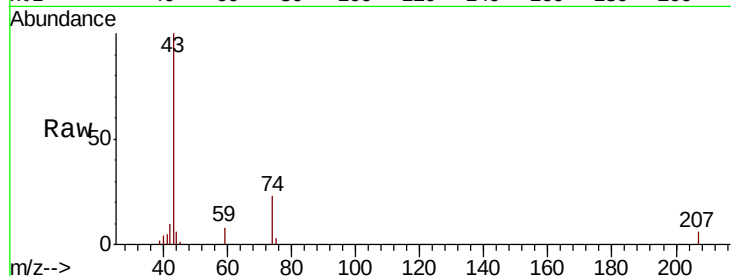




#15
Methyl Acetate
Concen: 5.399 ug/L
RT: 4.48 min Scan# 437
Delta R.T. -0.01 min
Lab File: VY003625.D
Acq: 25 Nov 2020 15:40

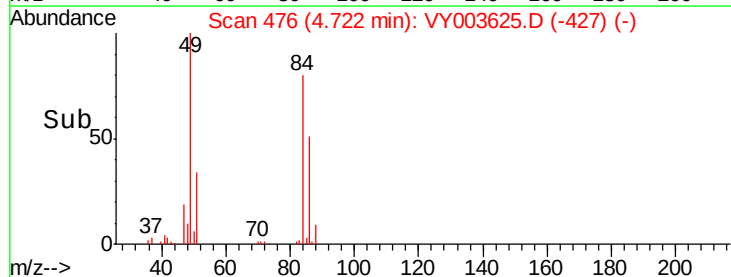
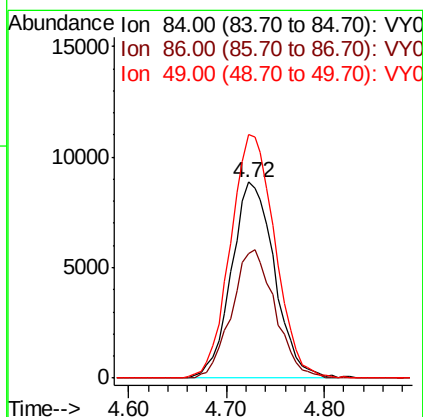
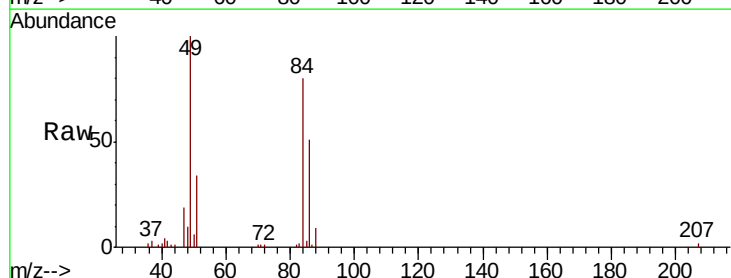
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005404

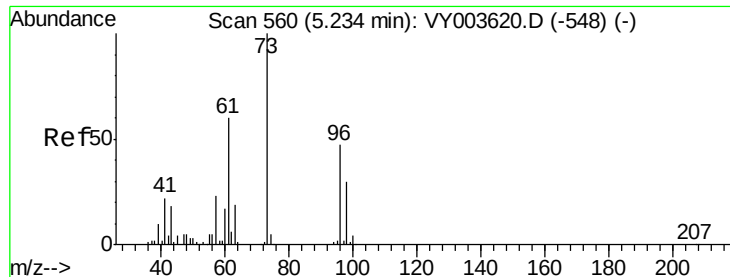
Tot Ion: 43 Resp: 12094
Ion Ratio Lower Upper
43 100
74 11.3 18.2 27.2#



#16
Methylene chloride
Concen: 5.715 ug/L
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VY003625.D
Acq: 25 Nov 2020 15:40

Tgt Ion: 84 Resp: 27095
Ion Ratio Lower Upper
84 100
86 63.5 43.3 80.3
49 124.3 85.3 158.5

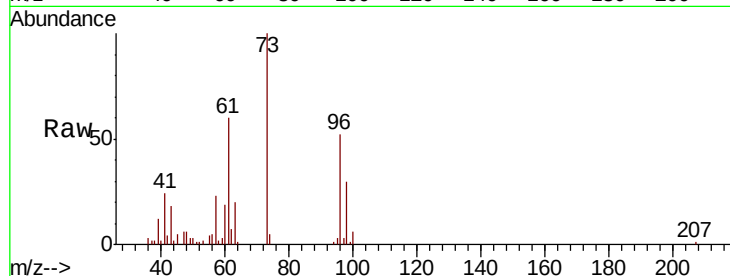




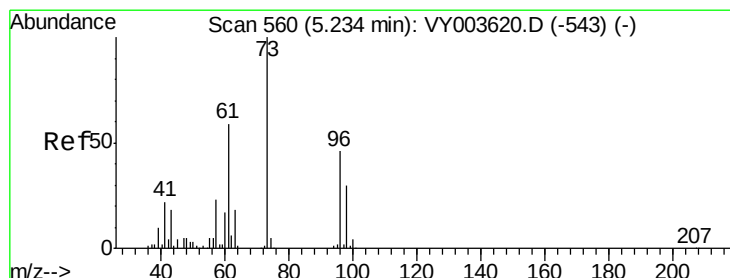
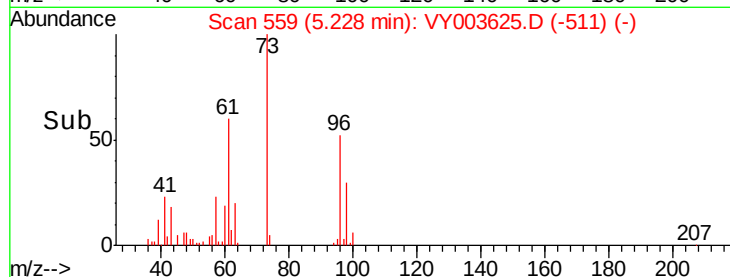
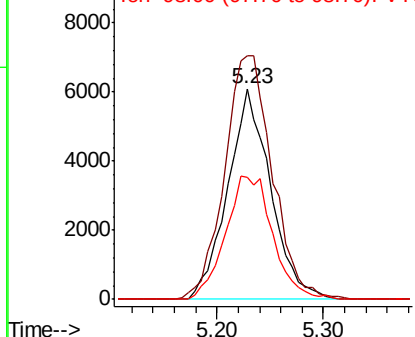
#17
trans-1,2-Dichloroethene
Concen: 5.114 ug/L
RT: 5.23 min Scan# 559
Delta R.T. -0.01 min
Lab File: VY003625.D
Acq: 25 Nov 2020 15:40

Instrument :
MSVOA_Y
ClientSampled :
VSTD005404

Tot Ion: 96 Resp: 17137
Ion Ratio Lower Upper
96 100
61 115.5 89.5 166.1
98 57.9 45.5 84.5

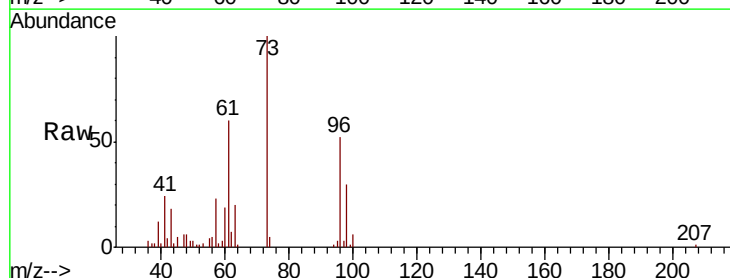


Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

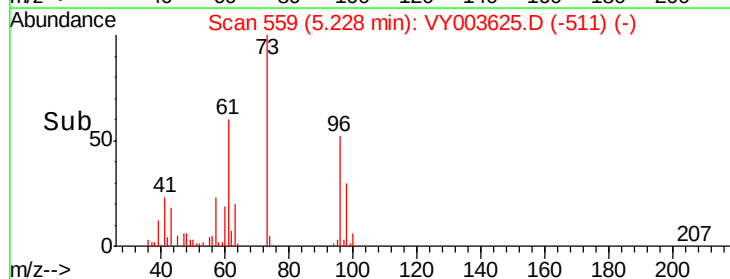
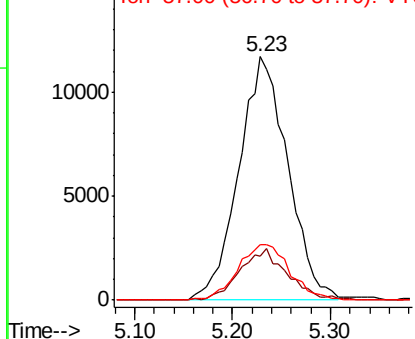


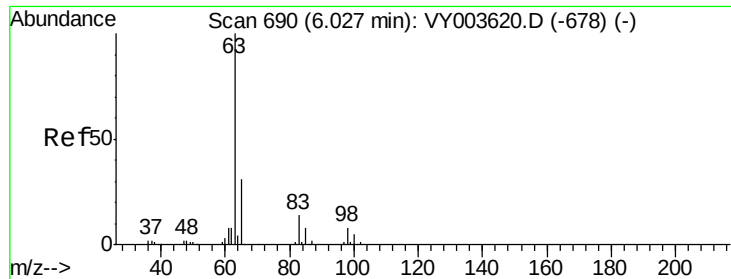
#18
Methyl tert-butyl Ether
Concen: 4.933 ug/L
RT: 5.23 min Scan# 559
Delta R.T. -0.01 min
Lab File: VY003625.D
Acq: 25 Nov 2020 15:40

Tgt Ion: 73 Resp: 40734
Ion Ratio Lower Upper
73 100
43 19.9 15.2 22.8
57 24.0 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

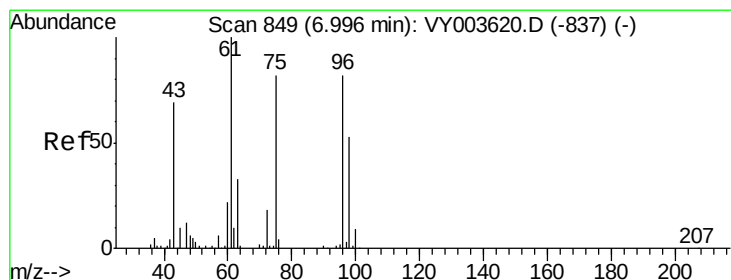
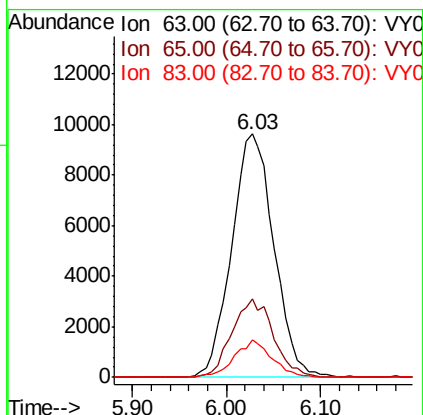
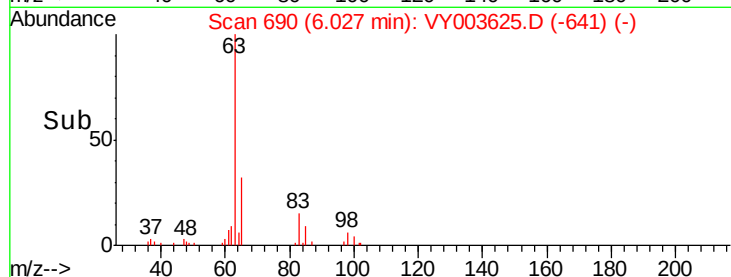
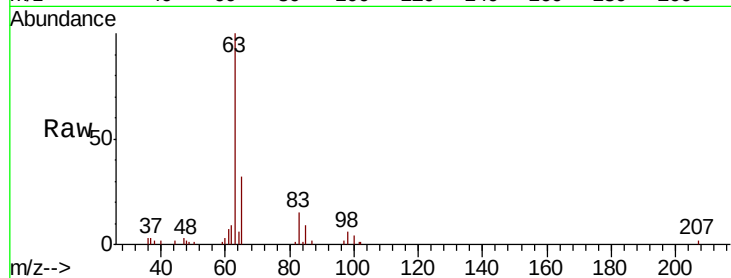




#19
 1,1-Dichloroethane
 Concen: 5.160 ug/L
 RT: 6.03 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VY003625.D
 Acq: 25 Nov 2020 15:40

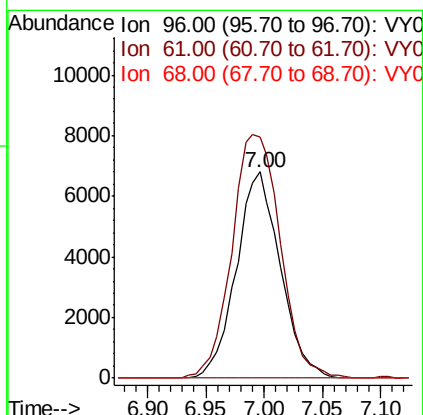
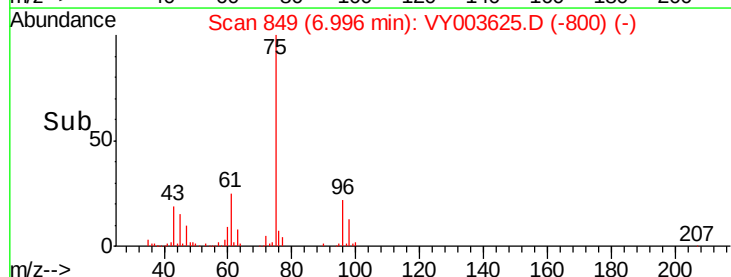
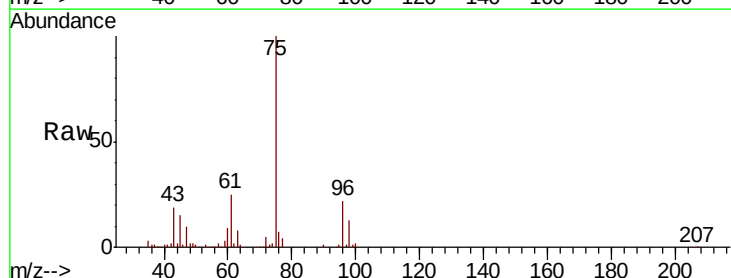
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005404

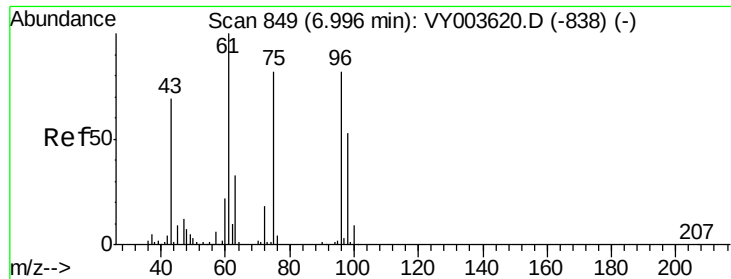
Tot Ion: 63 Resp: 30098
 Ion Ratio Lower Upper
 63 100
 65 32.0 21.9 40.7
 83 15.5 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 5.003 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VY003625.D
 Acq: 25 Nov 2020 15:40

Tgt Ion: 96 Resp: 17925
 Ion Ratio Lower Upper
 96 100
 61 117.1 85.8 159.4
 68 0.0 0.0 0.0

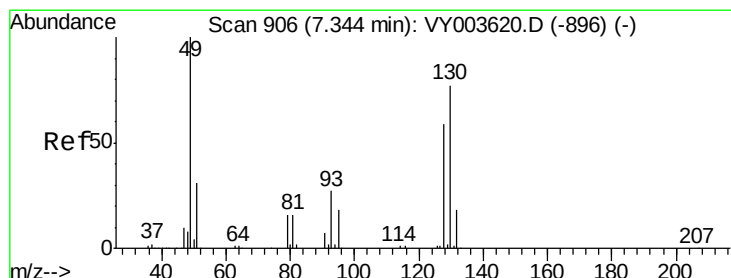
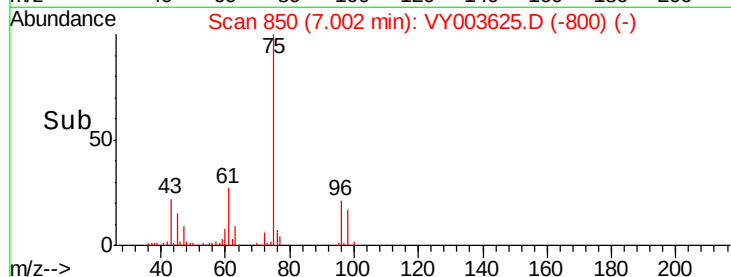
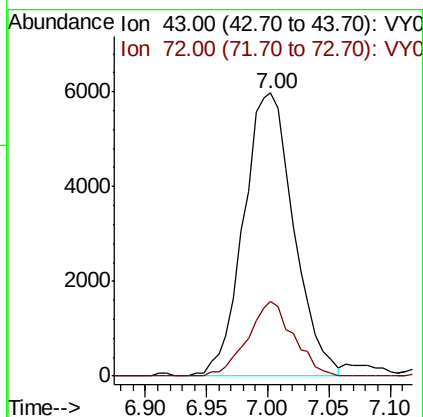
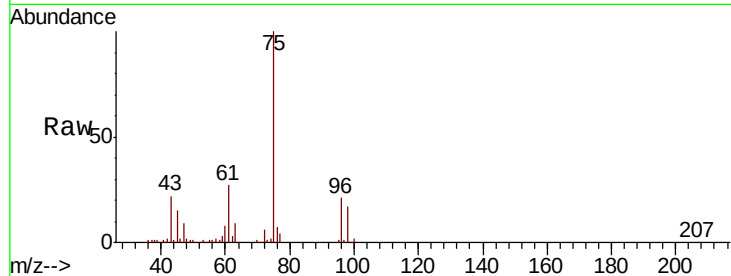




#22
2-Butanone
Concen: 10.807 ug/L
RT: 7.00 min Scan# 850
Delta R.T. 0.01 min
Lab File: VY003625.D
Acq: 25 Nov 2020 15:40

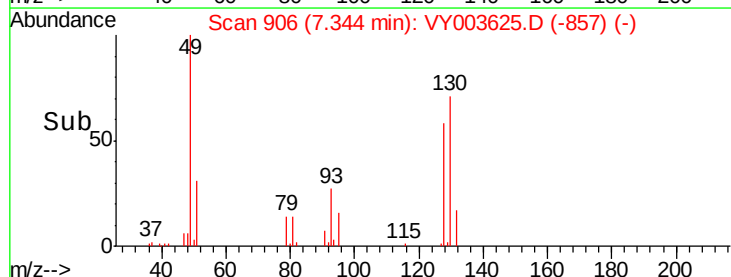
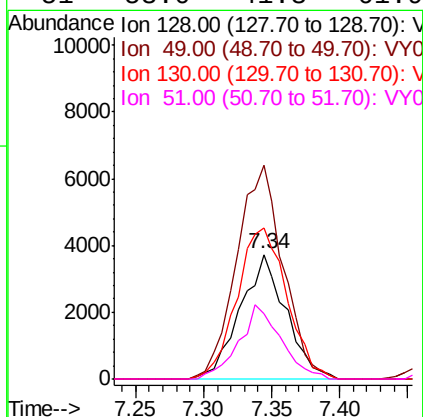
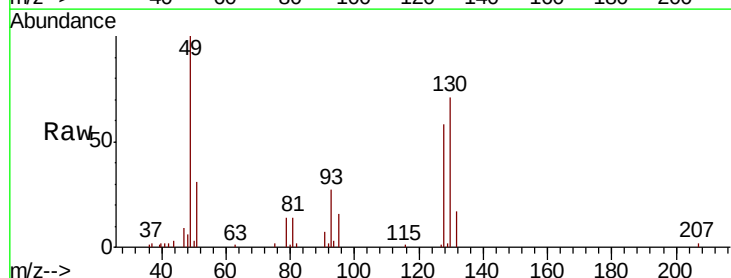
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005404

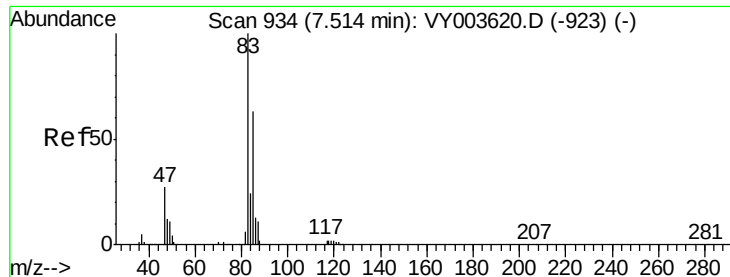
Tot Ion: 43 Resp: 17056
Ion Ratio Lower Upper
43 100
72 24.0 13.5 40.5



#23
Bromochloromethane
Concen: 5.004 ug/L
RT: 7.34 min Scan# 906
Delta R.T. 0.00 min
Lab File: VY003625.D
Acq: 25 Nov 2020 15:40

Tgt Ion:128 Resp: 8778
Ion Ratio Lower Upper
128 100
49 171.8 118.1 219.3
130 122.0 90.5 168.1
51 53.0 41.3 61.9

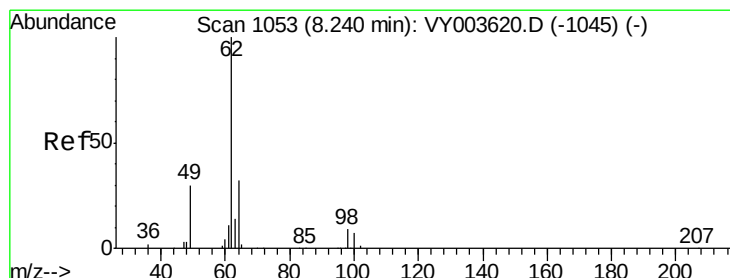
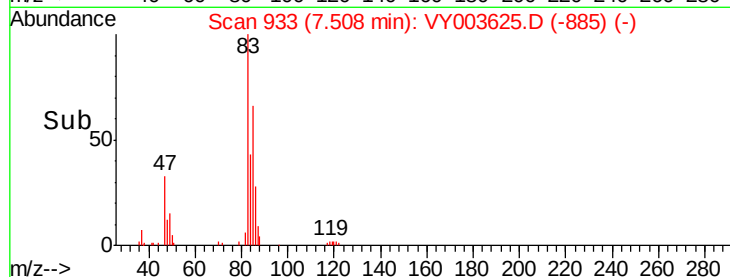
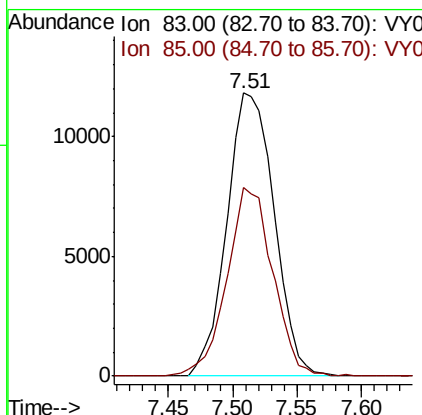
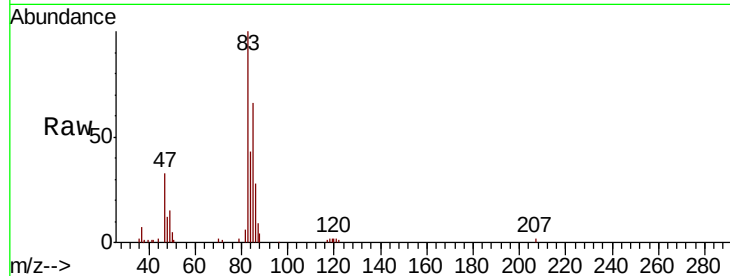




#25
Chloroform
Concen: 5.159 ug/L
RT: 7.51 min Scan# 933
Delta R.T. -0.01 min
Lab File: VY003625.D
Acq: 25 Nov 2020 15:40

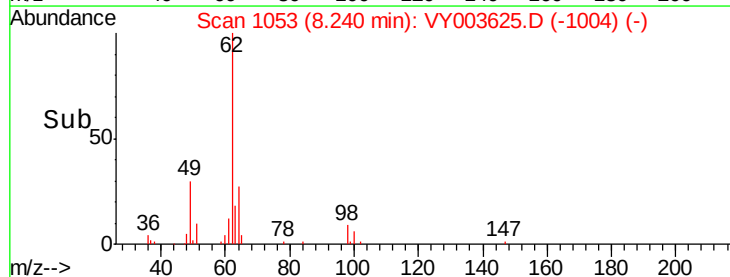
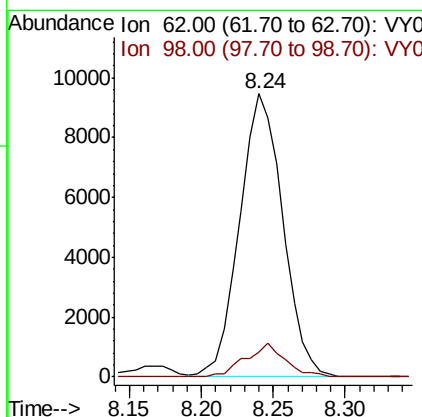
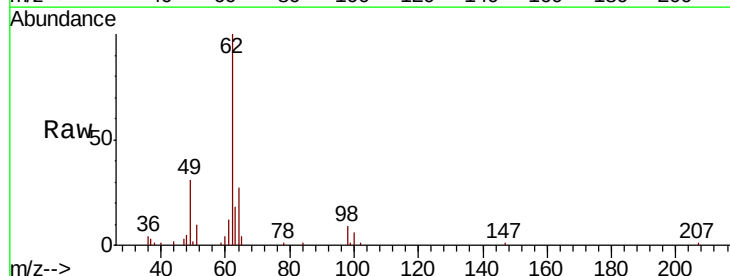
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005404

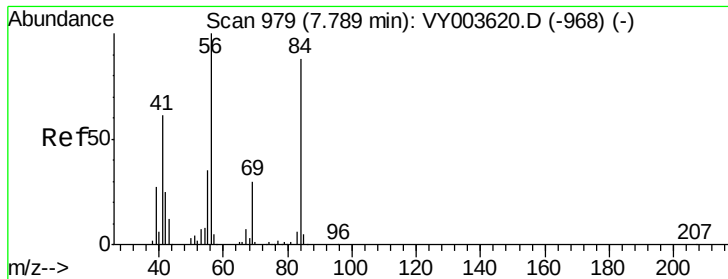
Tot Ion: 83 Resp: 30242
Ion Ratio Lower Upper
83 100
85 66.5 44.4 82.4



#27
1,2-Dichloroethane
Concen: 5.066 ug/L
RT: 8.24 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VY003625.D
Acq: 25 Nov 2020 15:40

Tgt Ion: 62 Resp: 19722
Ion Ratio Lower Upper
62 100
98 8.8 7.5 11.3

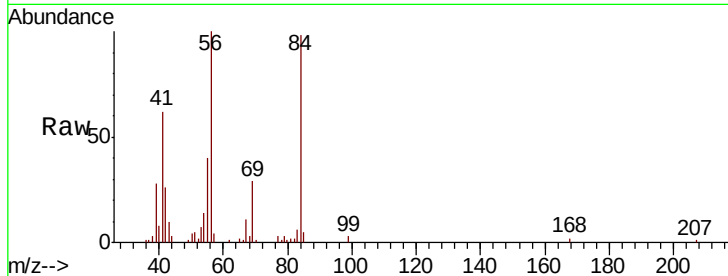




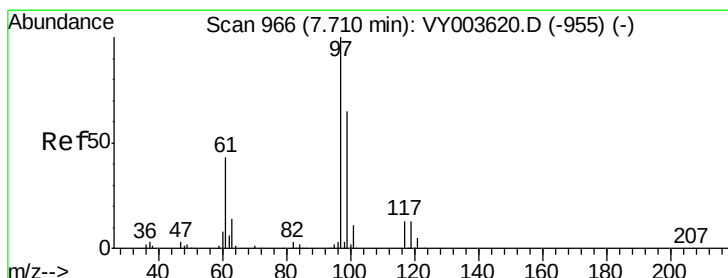
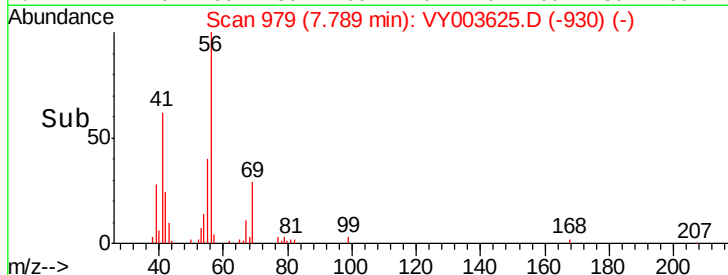
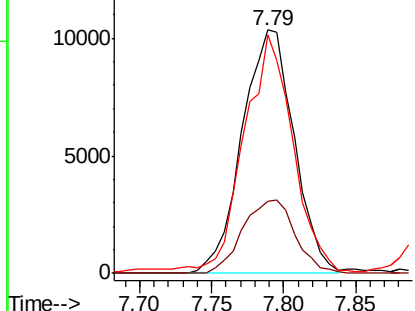
#29
Cyclohexane
Concen: 4.917 ug/L
RT: 7.79 min Scan# 979
Delta R.T. 0.00 min
Lab File: VY003625.D
Acq: 25 Nov 2020 15:40

Instrument :
MSVOA_Y
ClientSampled :
VSTD005404

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.9	35.9
84	92.0	71.9	107.9

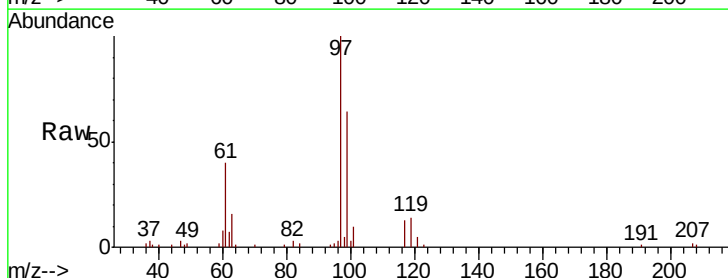


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

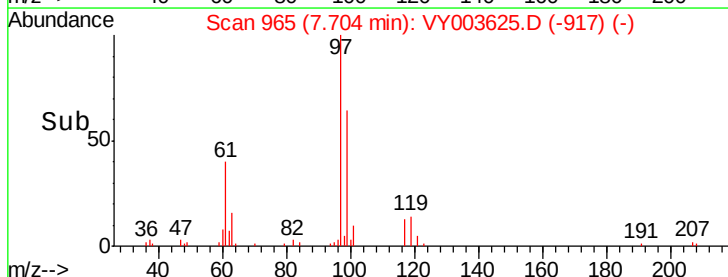
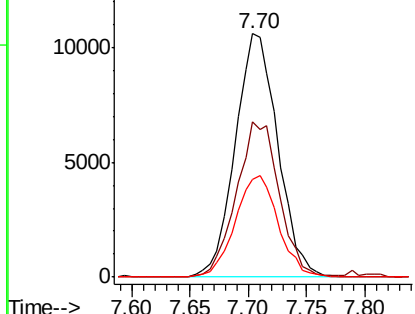


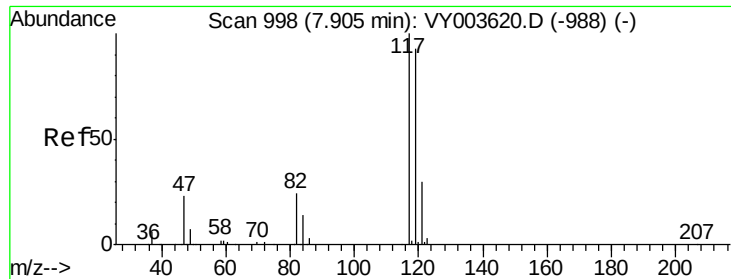
#30
1,1,1-Trichloroethane
Concen: 5.207 ug/L
RT: 7.70 min Scan# 965
Delta R.T. -0.01 min
Lab File: VY003625.D
Acq: 25 Nov 2020 15:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.6	76.0
61	42.3	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: 5.124 ug/L

RT: 7.91 min Scan# 999

Delta R.T. 0.01 min

Lab File: VY003625.D

Acq: 25 Nov 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

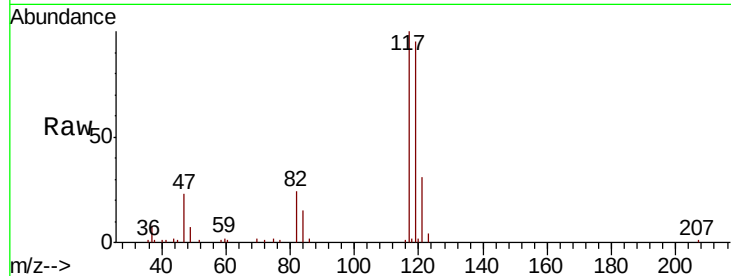
VSTD005404

Tot Ion:117 Resp: 24053

Ion Ratio Lower Upper

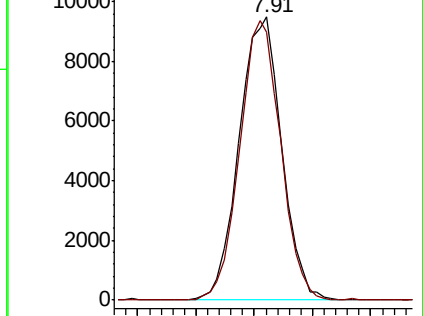
117 100

119 95.1 77.7 116.5

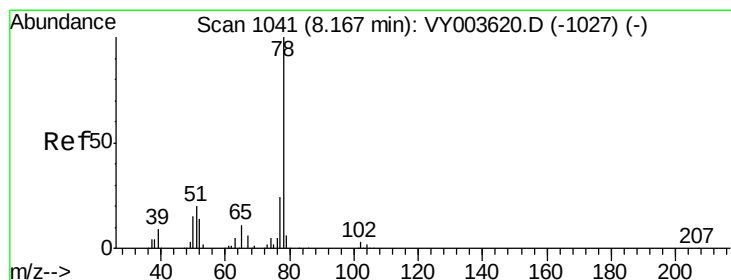
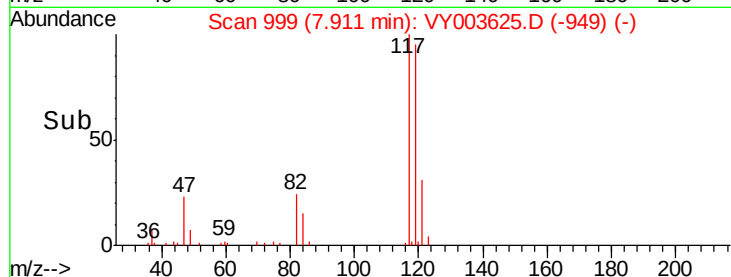


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#33

Benzene

Concen: 5.263 ug/L

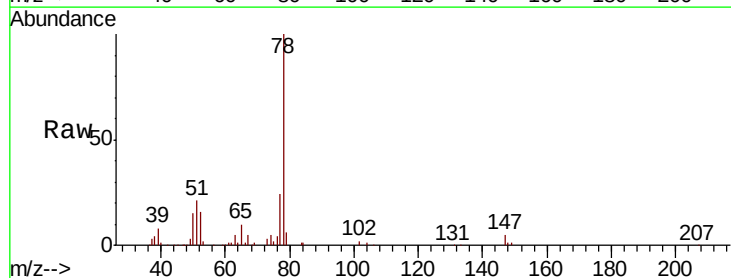
RT: 8.17 min Scan# 1041

Delta R.T. 0.00 min

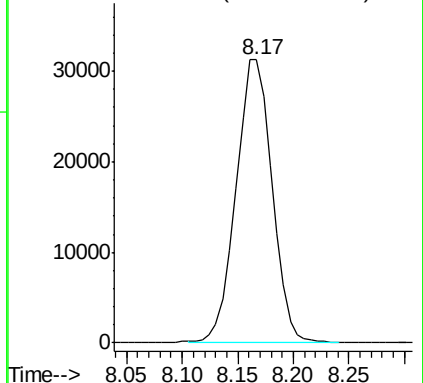
Lab File: VY003625.D

Acq: 25 Nov 2020 15:40

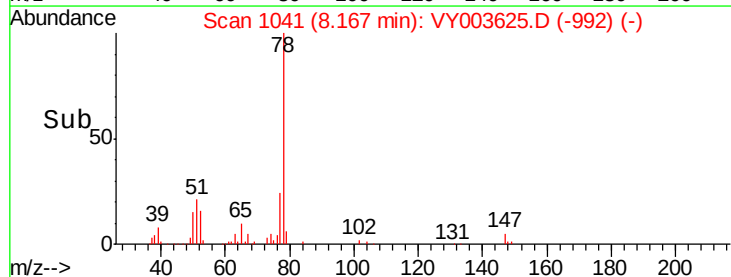
Tgt Ion: 78 Resp: 70638

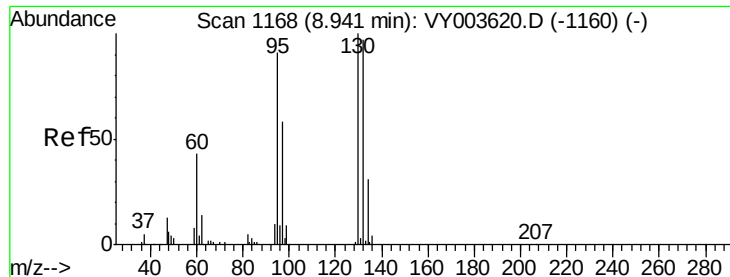


Abundance Ion 78.00 (77.70 to 78.70): VY0



Time-->





#34

Trichloroethene

Concen: 5.160 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. 0.00 min

Lab File: VY003625.D

Acq: 25 Nov 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005404

Tot Ion: 95 Resp: 17227

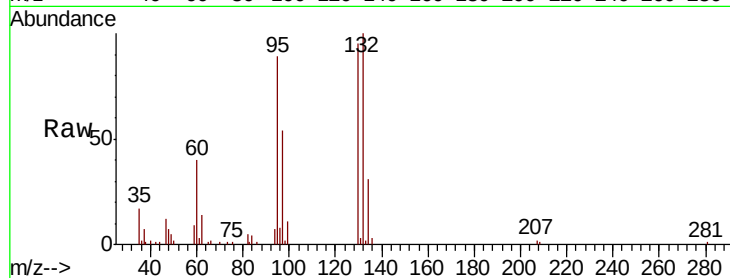
Ion Ratio Lower Upper

95 100

97 60.8 44.7 83.1

132 111.8 74.7 138.7

130 106.1 76.8 142.6

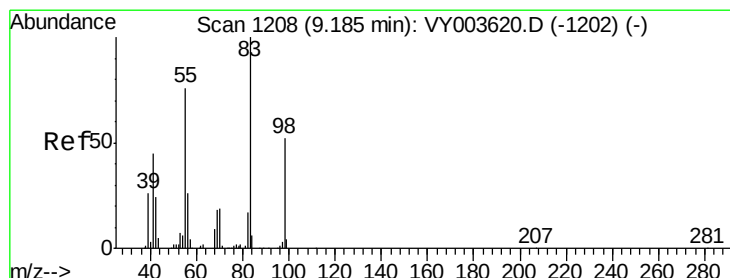
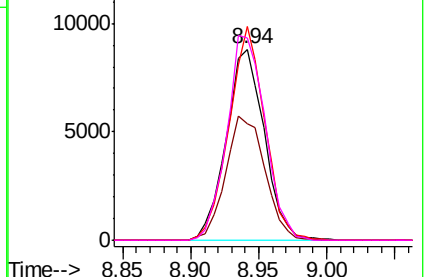
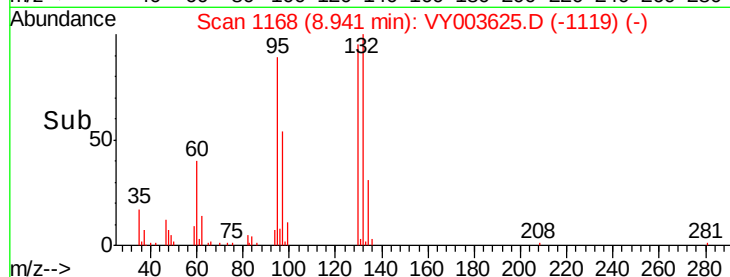


Abundance Ion 95.00 (94.70 to 95.70): VY0

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: 4.999 ug/L

RT: 9.19 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VY003625.D

Acq: 25 Nov 2020 15:40

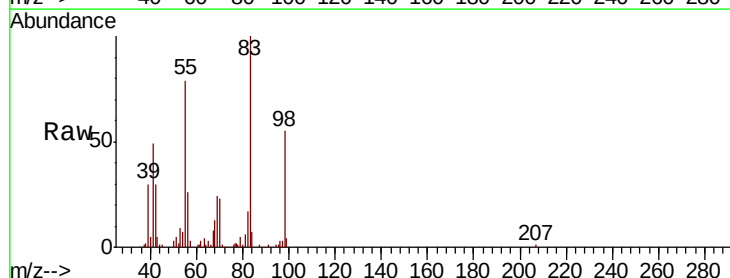
Tgt Ion: 83 Resp: 28843

Ion Ratio Lower Upper

83 100

55 73.0 58.3 87.5

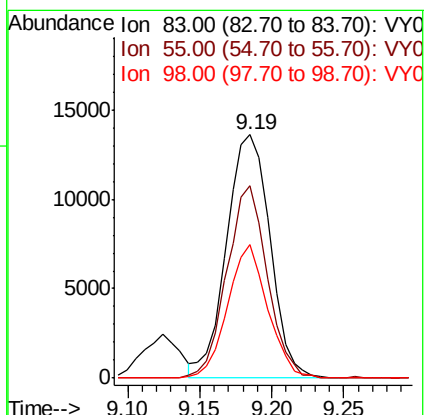
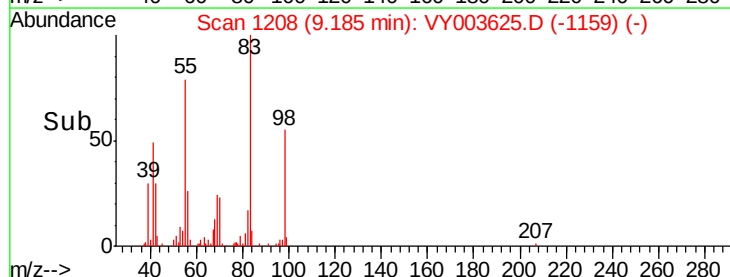
98 50.2 39.0 58.6

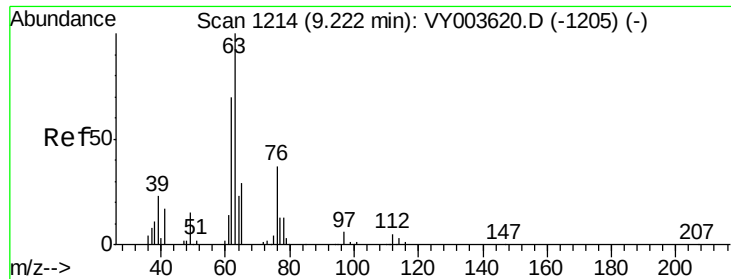


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#37

1,2-Dichloropropane

Concen: 5.154 ug/L

RT: 9.22 min Scan# 1213

Delta R.T. -0.01 min

Lab File: VY003625.D

Acq: 25 Nov 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

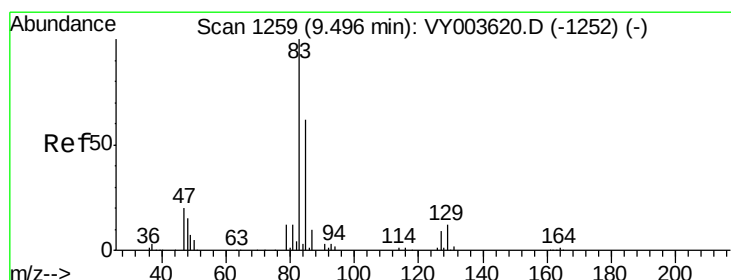
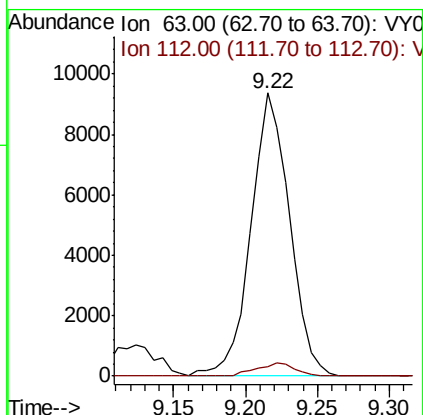
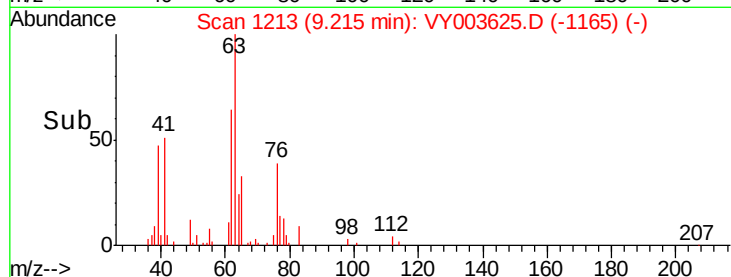
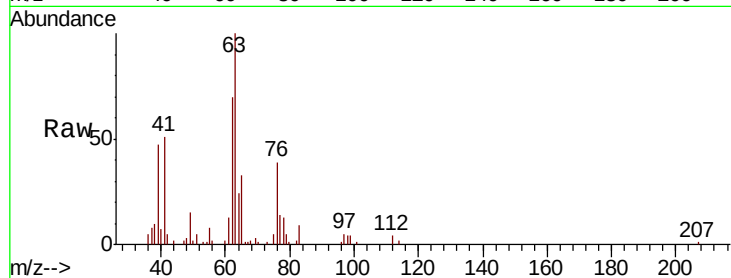
VSTD005404

Tot Ion: 63 Resp: 17391

Ion Ratio Lower Upper

63 100

112 4.5 3.7 5.5



#38

Bromodichloromethane

Concen: 5.132 ug/L

RT: 9.50 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VY003625.D

Acq: 25 Nov 2020 15:40

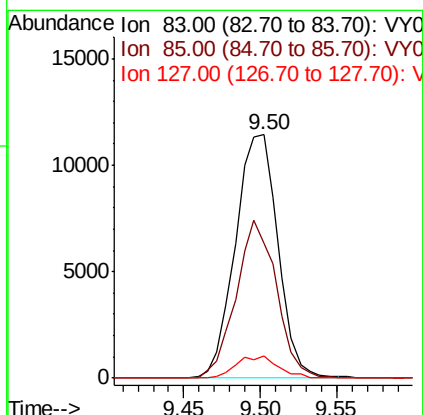
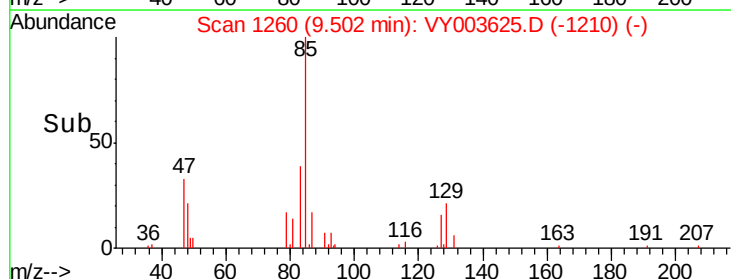
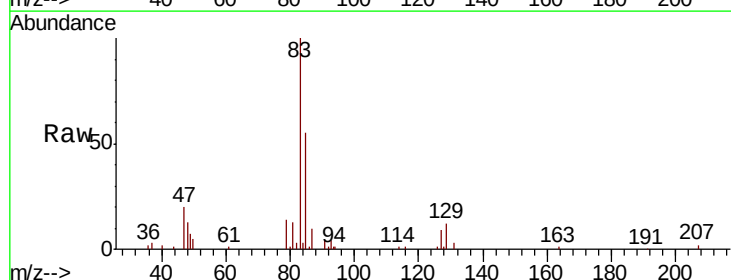
Tgt Ion: 83 Resp: 22085

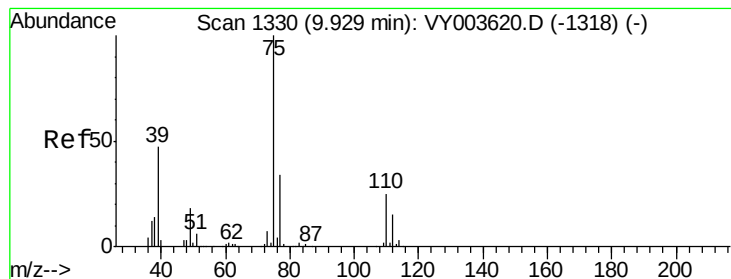
Ion Ratio Lower Upper

83 100

85 55.5 43.1 80.1

127 10.1 7.1 10.7



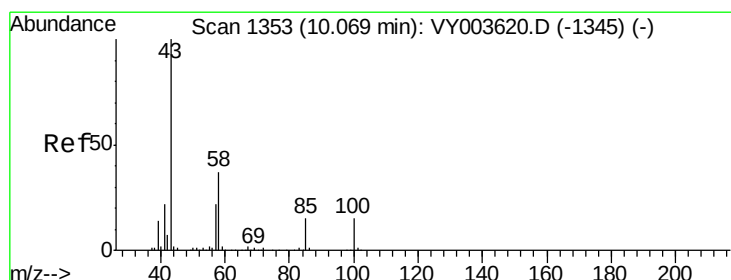
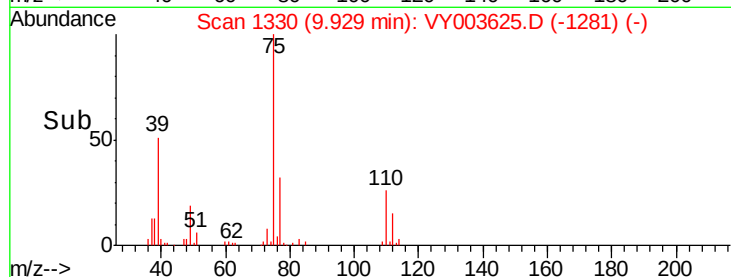
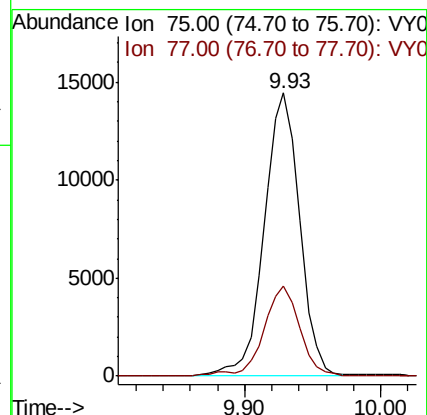
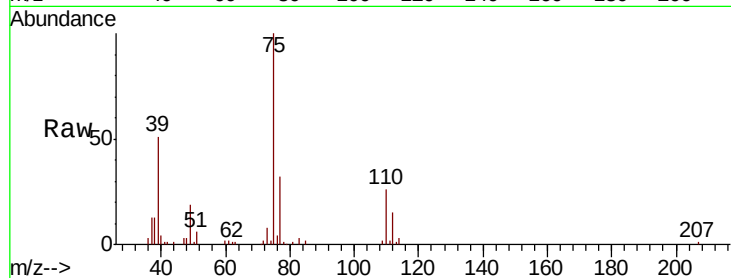


#39

cis-1,3-Dichloropropene
 Concen: 5.008 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VY003625.D
 Acq: 25 Nov 2020 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005404

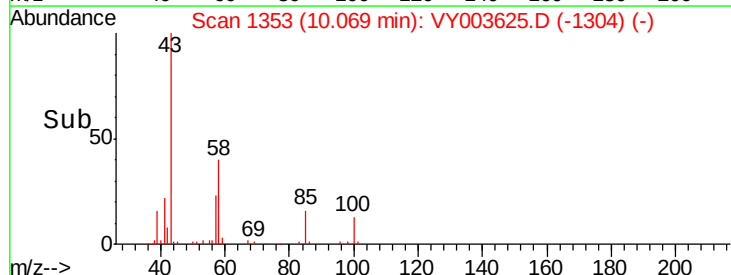
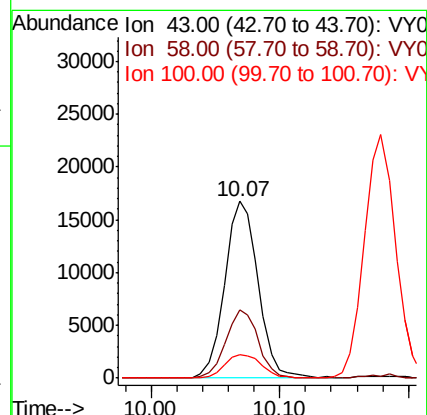
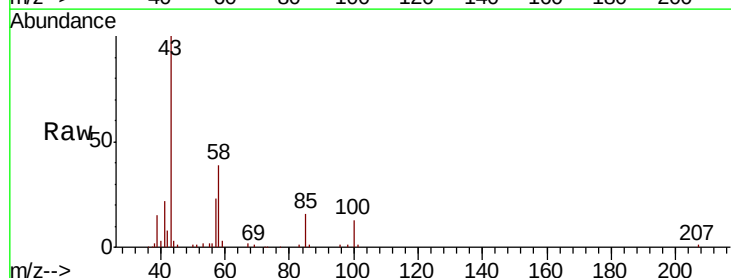
Tot Ion: 75 Resp: 26452
 Ion Ratio Lower Upper
 75 100
 77 32.0 23.5 43.7

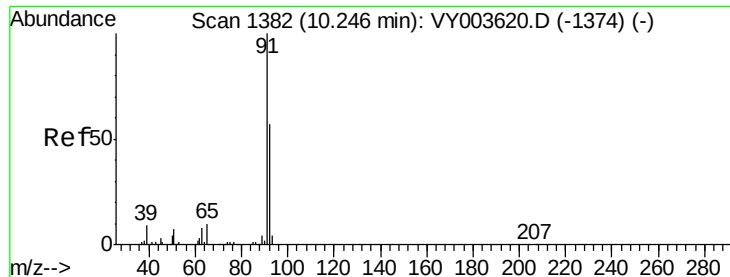


#40

4-Methyl-2-pentanone
 Concen: 10.248 ug/L
 RT: 10.07 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: VY003625.D
 Acq: 25 Nov 2020 15:40

Tgt Ion: 43 Resp: 30547
 Ion Ratio Lower Upper
 43 100
 58 37.3 30.7 46.1
 100 14.5 12.1 18.1





#42

Toluene

Concen: 5.134 ug/L

RT: 10.24 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VY003625.D

Acq: 25 Nov 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

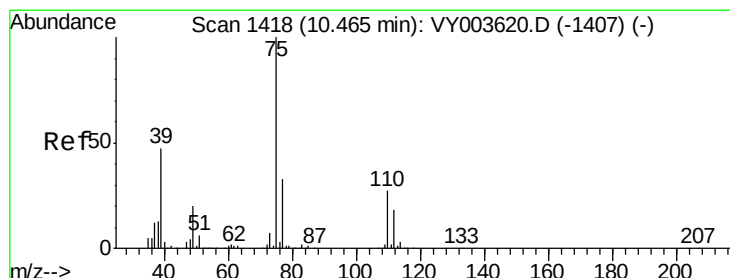
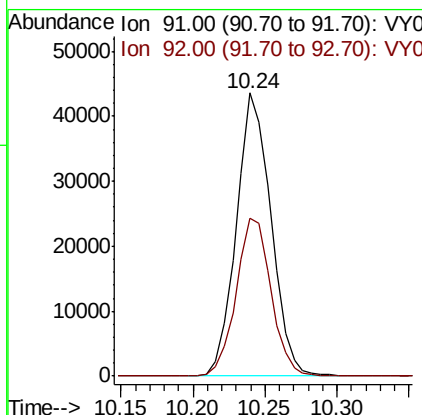
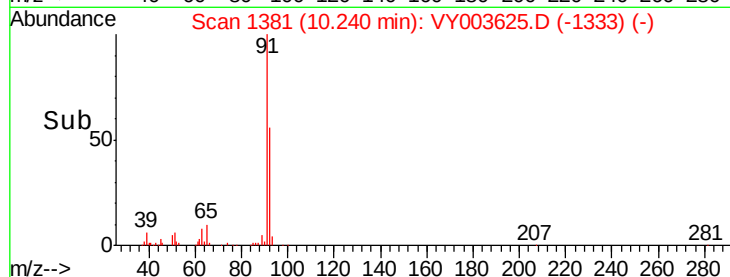
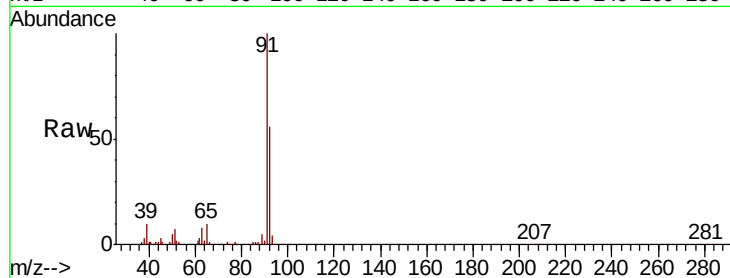
VSTD005404

Tot Ion: 91 Resp: 72841

Ion Ratio Lower Upper

91 100

92 55.7 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 5.080 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003625.D

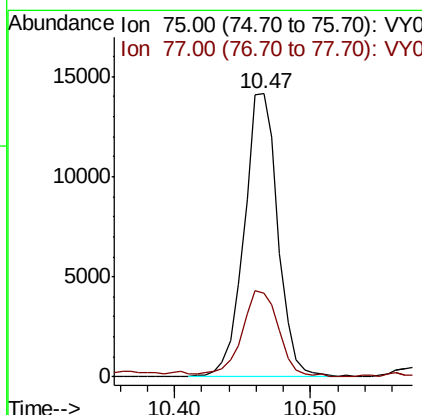
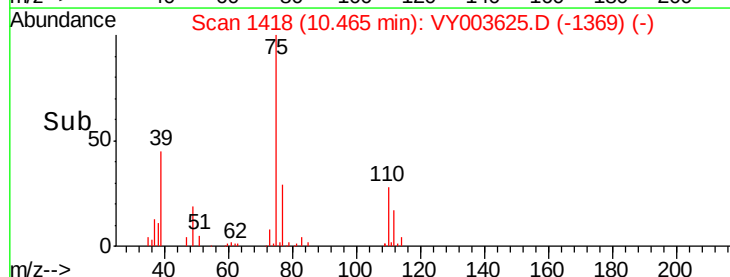
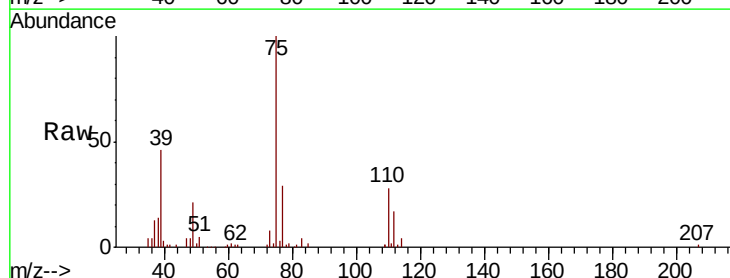
Acq: 25 Nov 2020 15:40

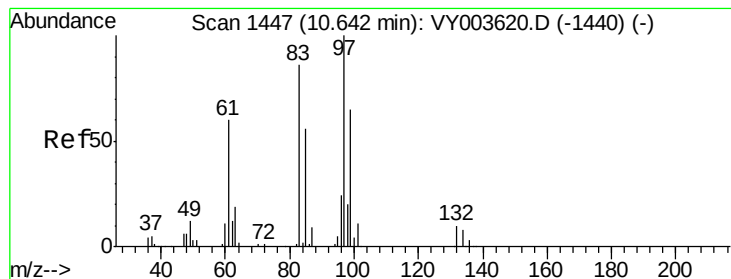
Tgt Ion: 75 Resp: 24622

Ion Ratio Lower Upper

75 100

77 29.4 22.9 42.5





#45

1,1,2-Trichloroethane

Concen: 5.288 ug/L

RT: 10.64 min Scan# 1447

Delta R.T. 0.00 min

Lab File: VY003625.D

Acq: 25 Nov 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005404

Tot Ion: 97 Resp: 14847

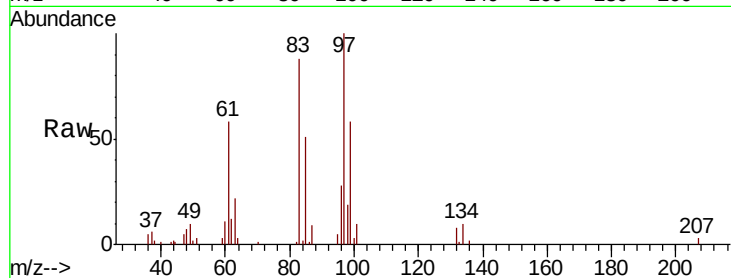
Ion Ratio Lower Upper

97 100

99 58.3 45.1 83.9

83 88.1 59.7 110.9

85 51.5 39.0 72.4

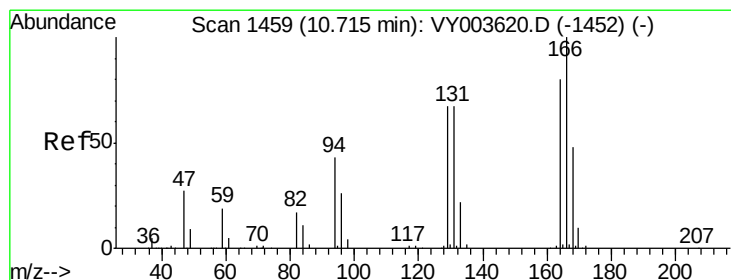
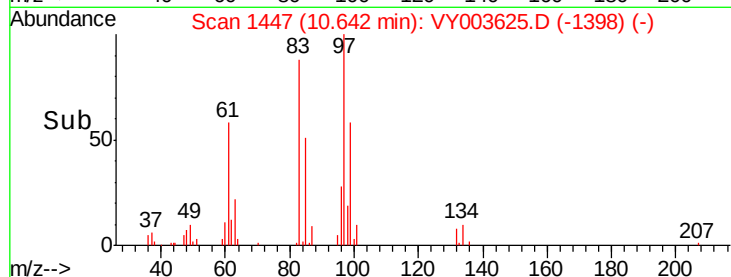
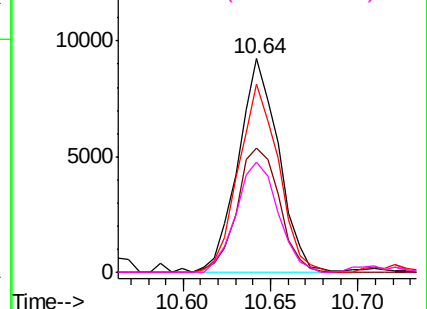


Abundance Ion 97.00 (96.70 to 97.70): VY0

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: 5.205 ug/L

RT: 10.72 min Scan# 1459

Delta R.T. 0.00 min

Lab File: VY003625.D

Acq: 25 Nov 2020 15:40

Tgt Ion: 164 Resp: 15121

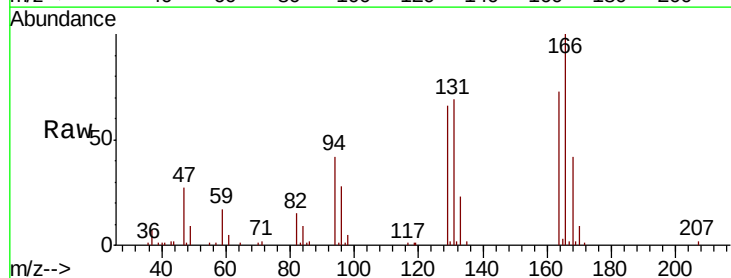
Ion Ratio Lower Upper

164 100

129 90.2 58.9 109.5

131 94.1 59.0 109.6

166 136.1 87.8 163.0

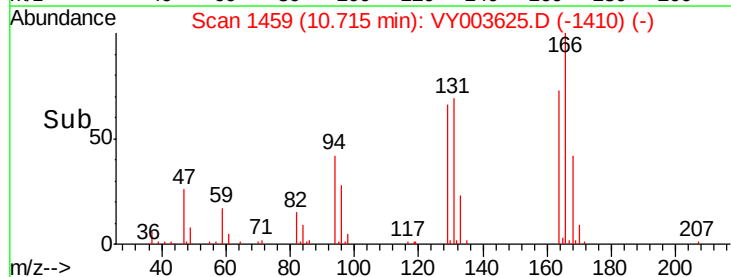
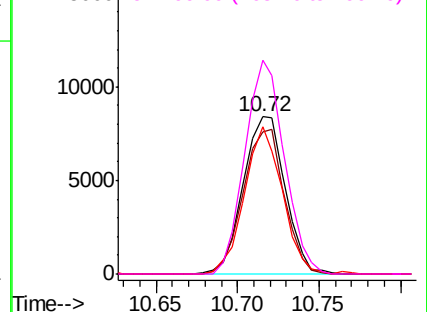


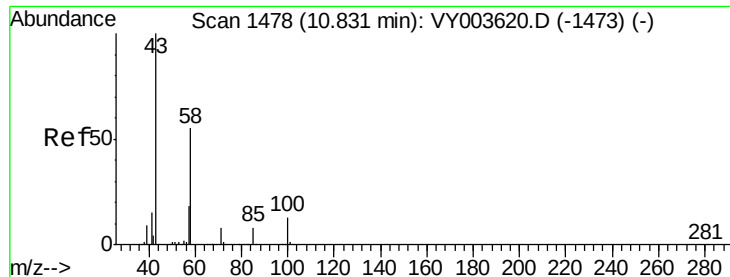
Abundance Ion 164.00 (163.70 to 164.70): V

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

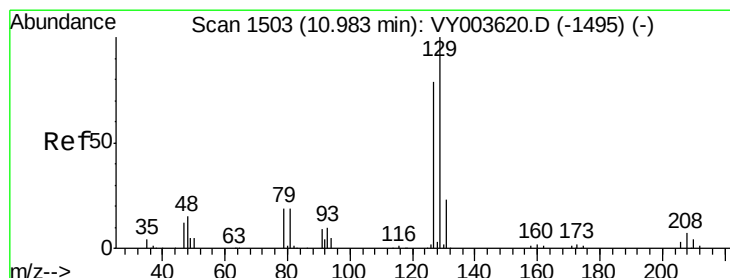
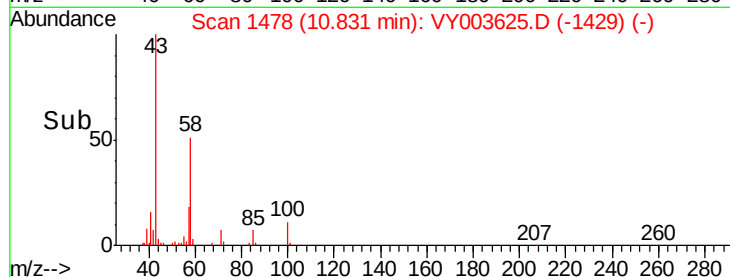
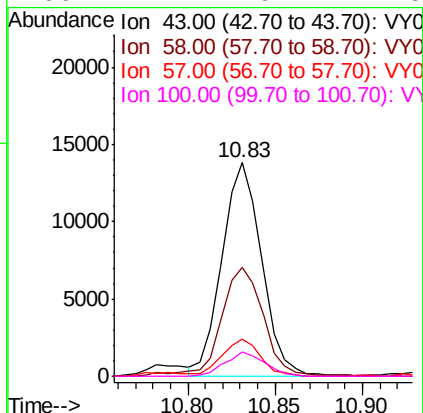
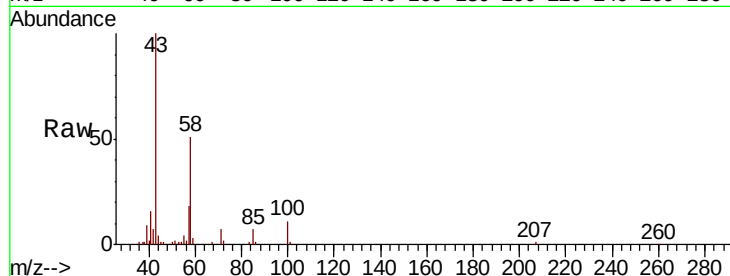




#48
2-Hexanone
Concen: 10.257 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VY003625.D
Acq: 25 Nov 2020 15:40

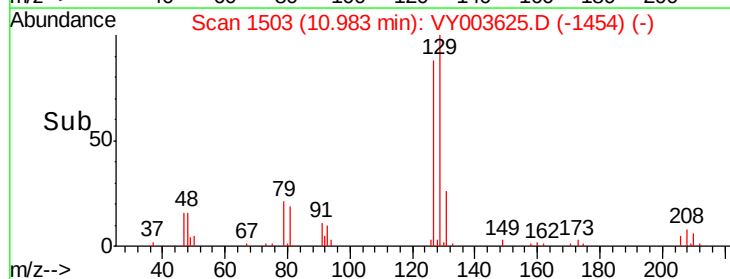
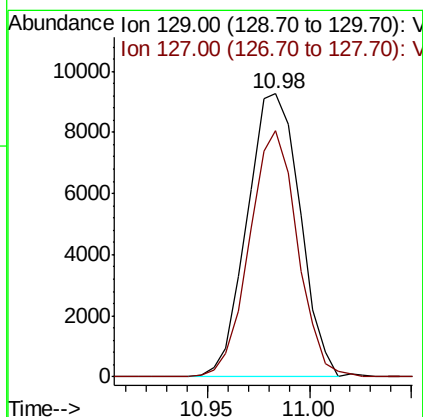
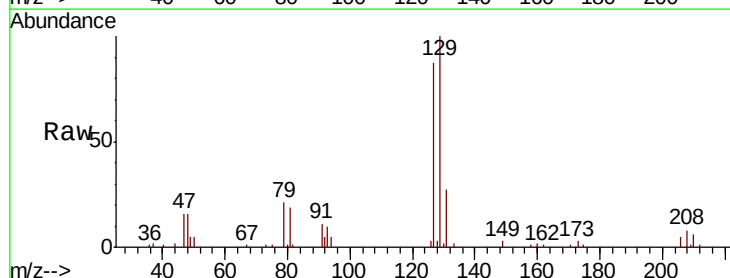
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005404

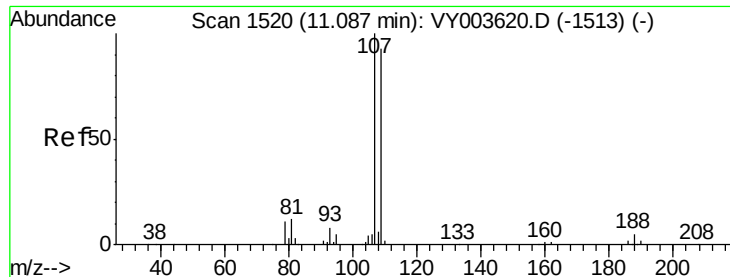
Tot Ion: 43 Resp: 21811
Ion Ratio Lower Upper
43 100
58 52.0 43.0 64.6
57 16.6 14.6 21.8
100 11.2 9.7 14.5



#49
Dibromochloromethane
Concen: 5.064 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. 0.00 min
Lab File: VY003625.D
Acq: 25 Nov 2020 15:40

Tgt Ion: 129 Resp: 16698
Ion Ratio Lower Upper
129 100
127 86.9 55.0 102.2

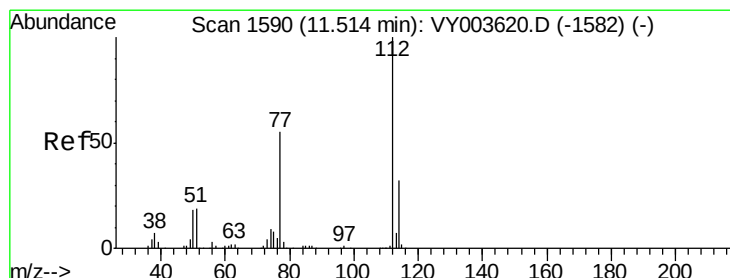
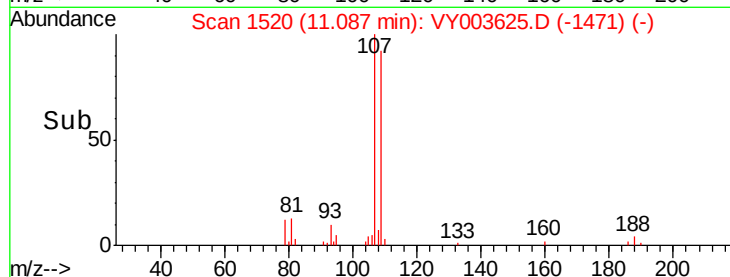
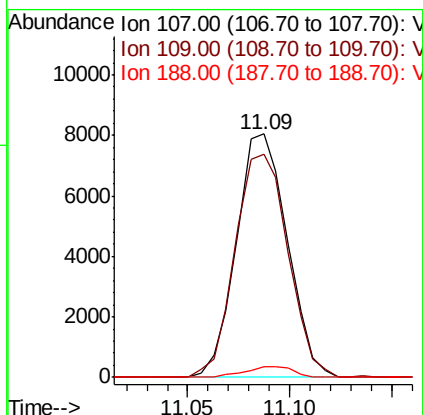
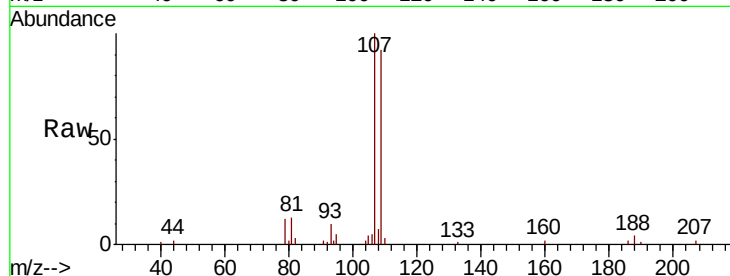




#50
1,2-Dibromoethane
Concen: 5.169 ug/L
RT: 11.09 min Scan# 1520
Delta R.T. 0.00 min
Lab File: VY003625.D
Acq: 25 Nov 2020 15:40

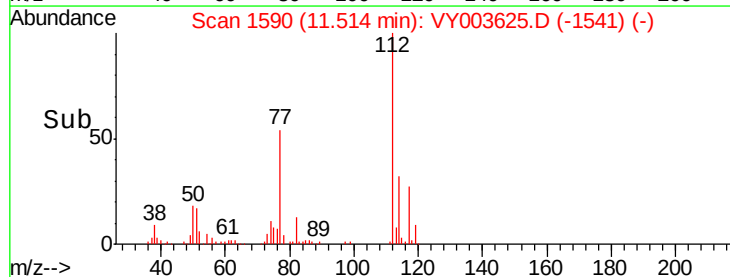
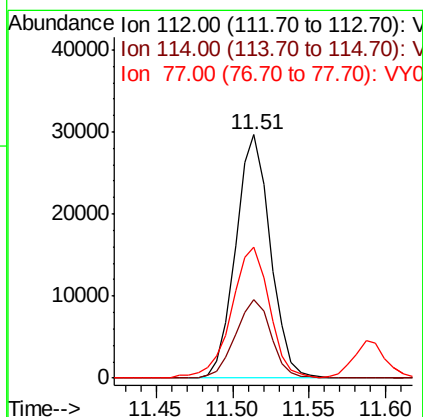
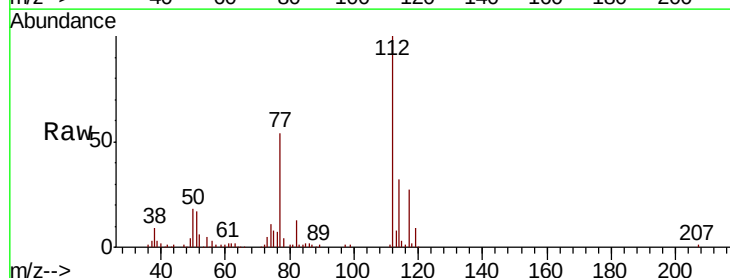
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005404

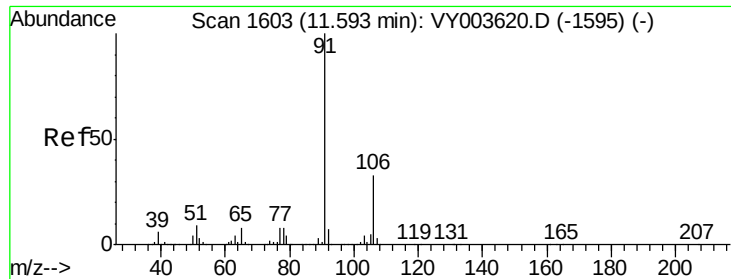
Tot Ion:107 Resp: 13958
Ion Ratio Lower Upper
107 100
109 91.6 65.5 121.7
188 4.3 3.8 5.8



#51
Chlorobenzene
Concen: 5.190 ug/L
RT: 11.51 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VY003625.D
Acq: 25 Nov 2020 15:40

Tgt Ion:112 Resp: 46771
Ion Ratio Lower Upper
112 100
114 32.4 22.2 41.2
77 54.0 43.8 65.6





#52

Ethylbenzene

Concen: 5.095 ug/L

RT: 11.59 min Scan# 1602

Delta R.T. -0.01 min

Lab File: VY003625.D

Acq: 25 Nov 2020 15:40

Instrument :

MSVOA_Y

ClientSampled :

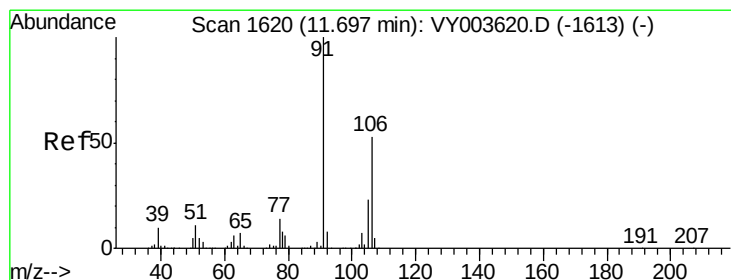
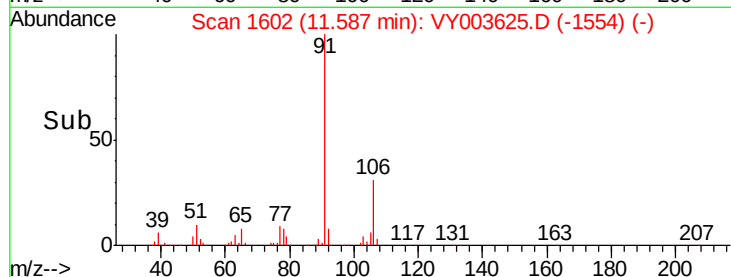
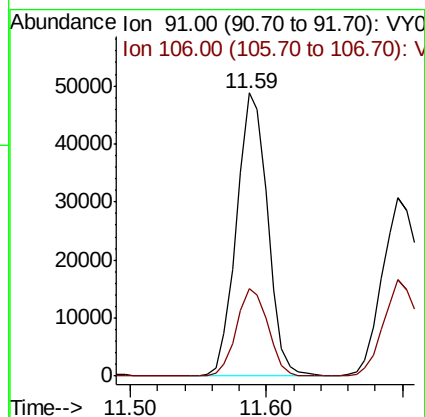
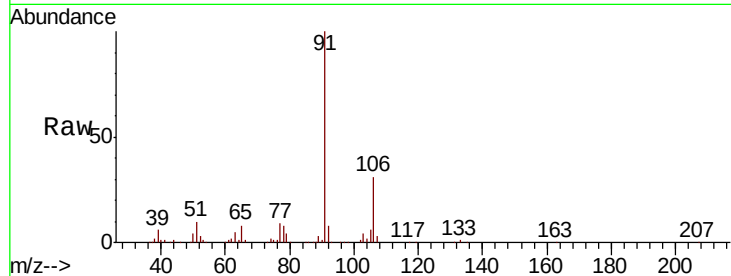
VSTD005404

Tot Ion: 91 Resp: 77644

Ion Ratio Lower Upper

91 100

106 31.1 22.8 42.4



#53

m,p-Xylene

Concen: 5.030 ug/L

RT: 11.70 min Scan# 1620

Delta R.T. 0.00 min

Lab File: VY003625.D

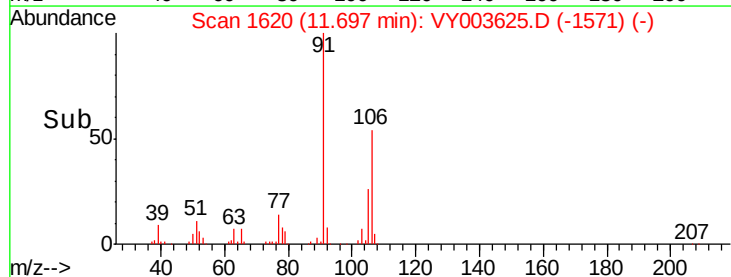
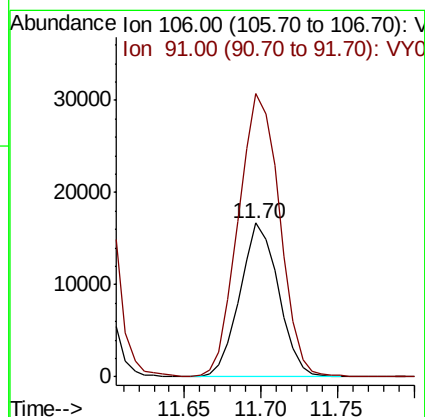
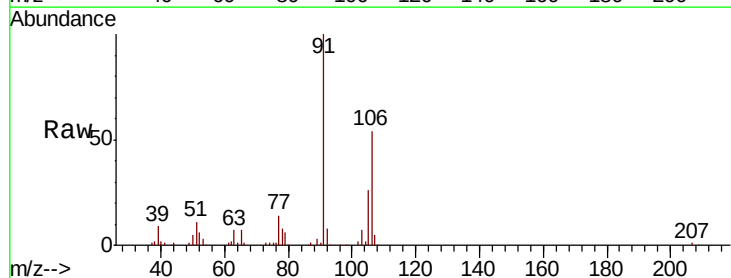
Acq: 25 Nov 2020 15:40

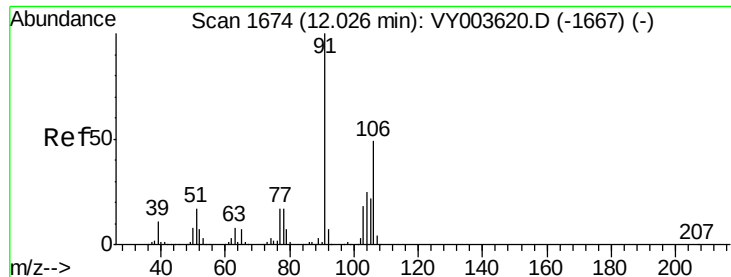
Tgt Ion: 106 Resp: 29377

Ion Ratio Lower Upper

106 100

91 184.4 133.1 247.3





#54

o-Xylene

Concen: 4.982 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VY003625.D

Acq: 25 Nov 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

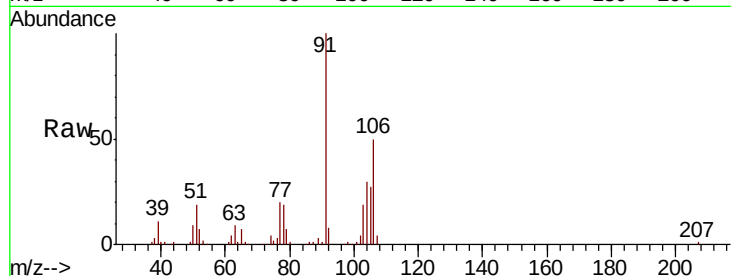
VSTD005404

Tot Ion:106 Resp: 27689

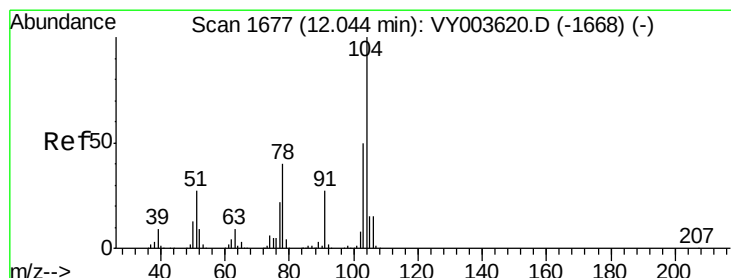
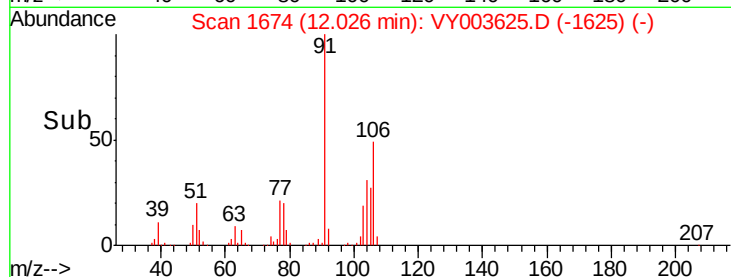
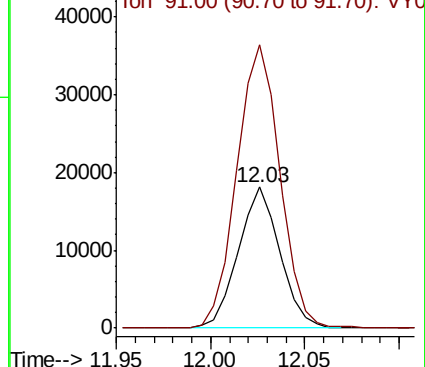
Ion Ratio Lower Upper

106 100

91 201.0 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): V



#55

Styrene

Concen: 5.027 ug/L

RT: 12.04 min Scan# 1676

Delta R.T. -0.01 min

Lab File: VY003625.D

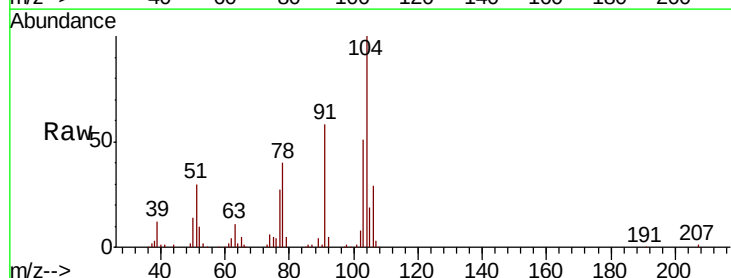
Acq: 25 Nov 2020 15:40

Tgt Ion:104 Resp: 47900

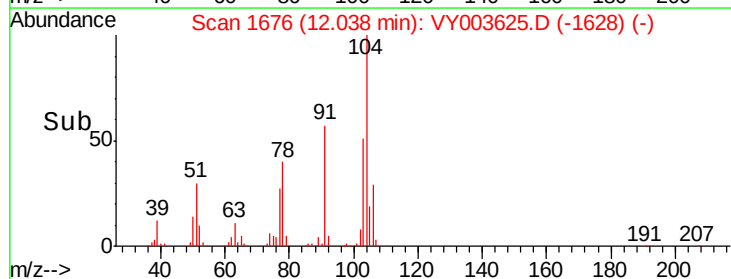
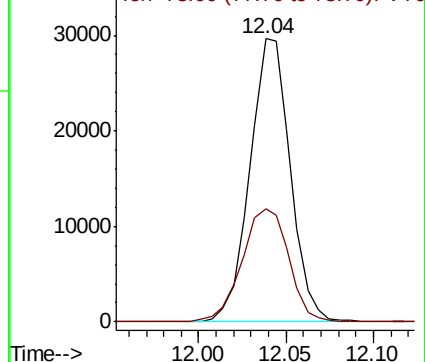
Ion Ratio Lower Upper

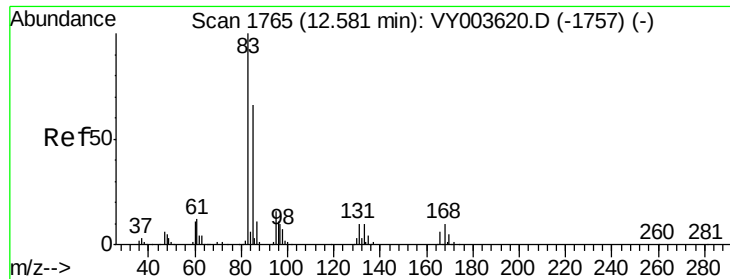
104 100

78 39.9 27.6 51.4



Abundance Ion 104.00 (103.70 to 104.70): V





#57

1,1,2,2-Tetrachloroethane

Concen: 5.145 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VY003625.D

Acq: 25 Nov 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005404

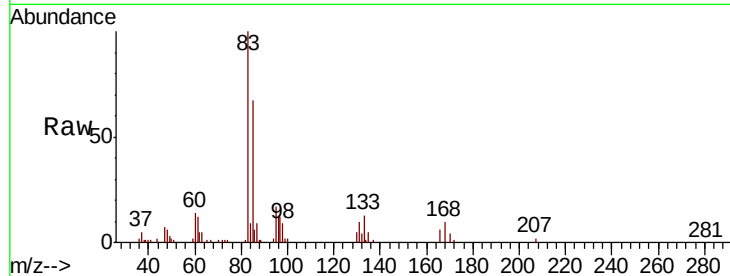
Tot Ion: 83 Resp: 19077

Ion Ratio Lower Upper

83 100

85 66.8 46.1 85.7

131 9.7 8.1 12.1



Abundance Ion 83.00 (82.70 to 83.70): VY003625.D (-1757) (-)

Ion 85.00 (84.70 to 85.70): VY003625.D (-1757) (-)

Ion 131.00 (130.70 to 131.70): VY003625.D (-1757) (-)

12.58

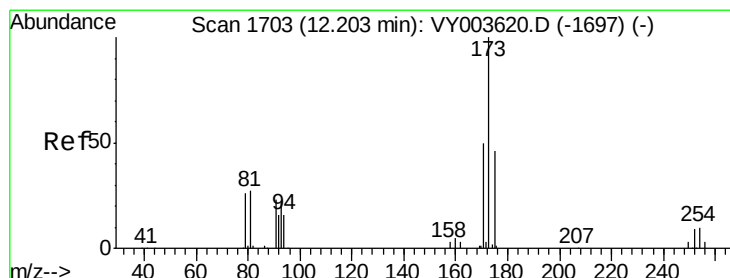
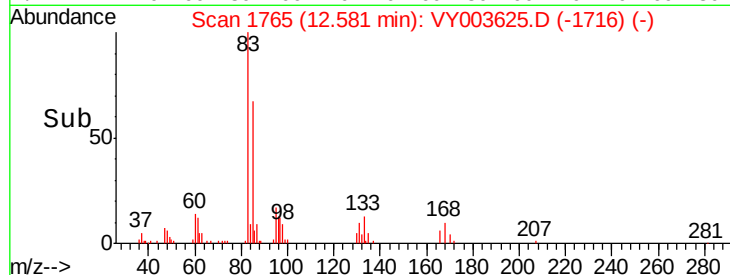
10000

5000

0

12.55 12.60

Time-->



#59

Bromoform

Concen: 5.179 ug/L

RT: 12.21 min Scan# 1704

Delta R.T. 0.01 min

Lab File: VY003625.D

Acq: 25 Nov 2020 15:40

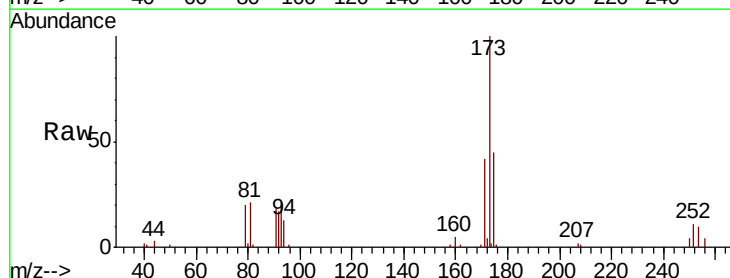
Tgt Ion: 173 Resp: 11578

Ion Ratio Lower Upper

173 100

175 46.6 38.2 57.4

254 9.1 8.0 12.0



Abundance Ion 173.00 (172.70 to 173.70): VY003625.D (-1654) (-)

Ion 175.00 (174.70 to 175.70): VY003625.D (-1654) (-)

Ion 254.00 (253.70 to 254.70): VY003625.D (-1654) (-)

12.21

8000

6000

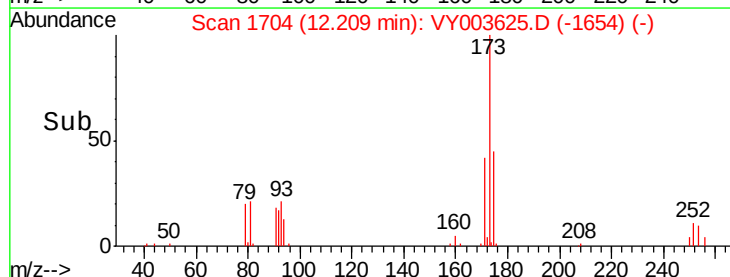
4000

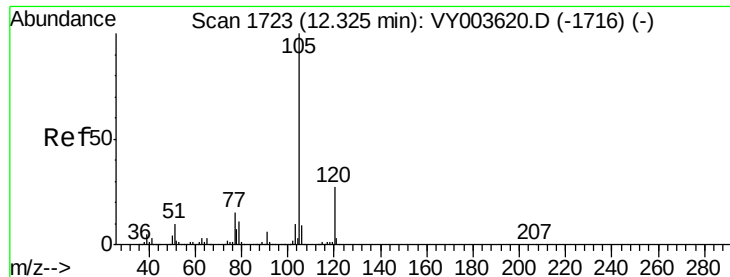
2000

0

12.15 12.20 12.25

Time-->





#60

Isopropylbenzene

Concen: 4.907 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. 0.00 min

Lab File: VY003625.D

Acq: 25 Nov 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005404

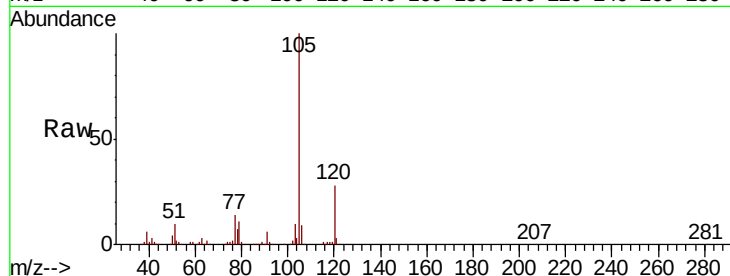
Tot Ion: 105 Resp: 72374

Ion Ratio Lower Upper

105 100

120 27.4 22.0 33.0

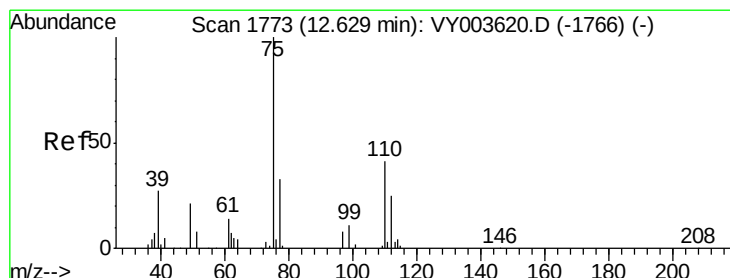
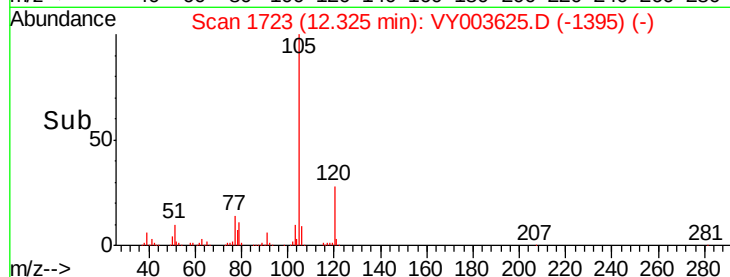
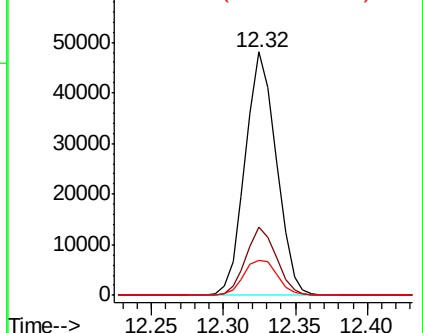
77 15.8 12.1 18.1



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: 5.189 ug/L

RT: 12.63 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VY003625.D

Acq: 25 Nov 2020 15:40

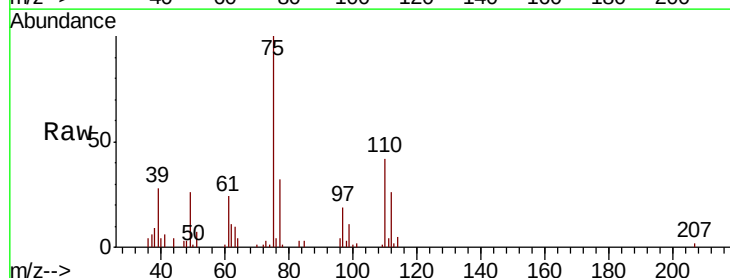
Tgt Ion: 75 Resp: 13921

Ion Ratio Lower Upper

75 100

77 35.6 26.3 39.5

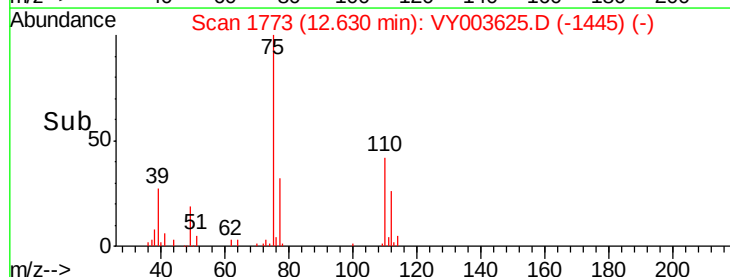
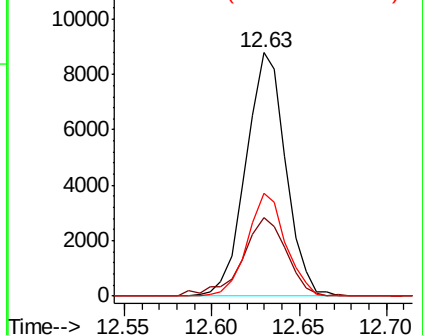
110 40.3 33.0 49.4

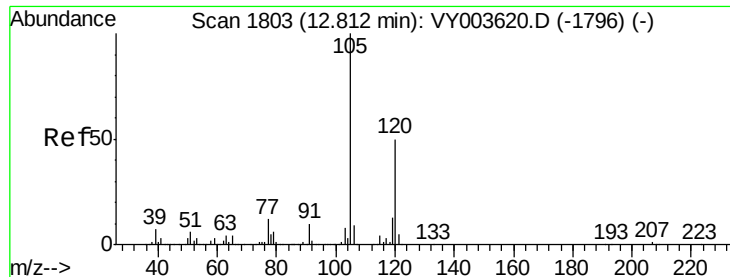


Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

Ion 110.00 (109.70 to 110.70): V

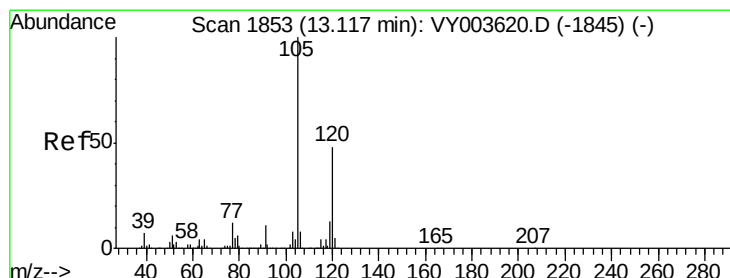
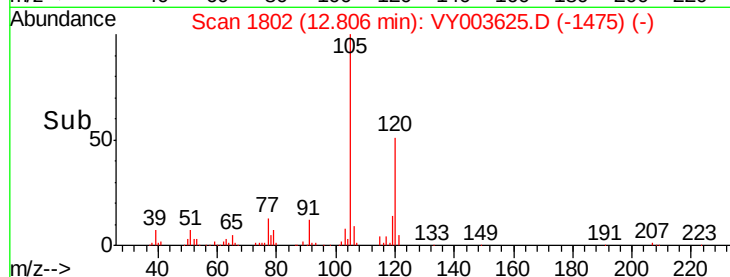
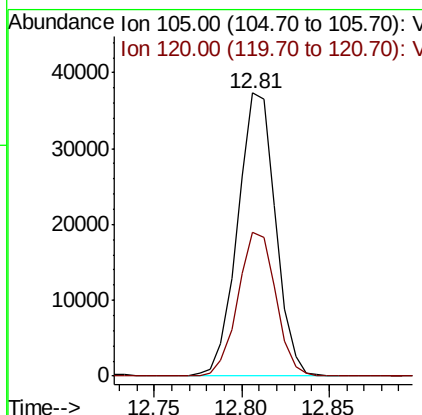
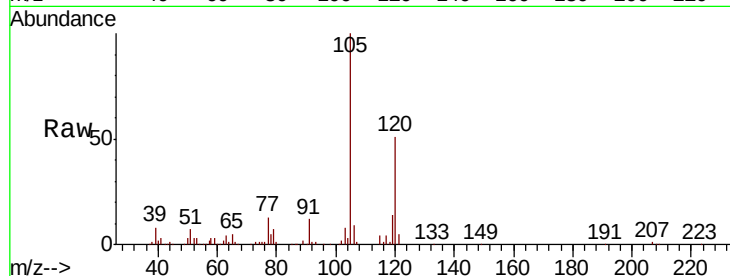




#62
 1,3,5-Trimethylbenzene
 Concen: 4.838 ug/L
 RT: 12.81 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VY003625.D
 Acq: 25 Nov 2020 15:40

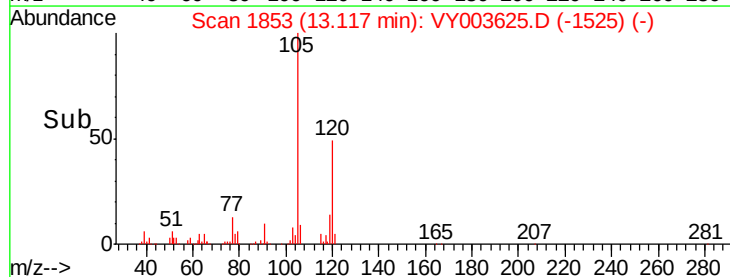
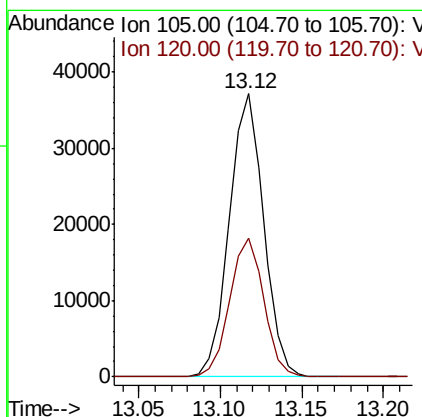
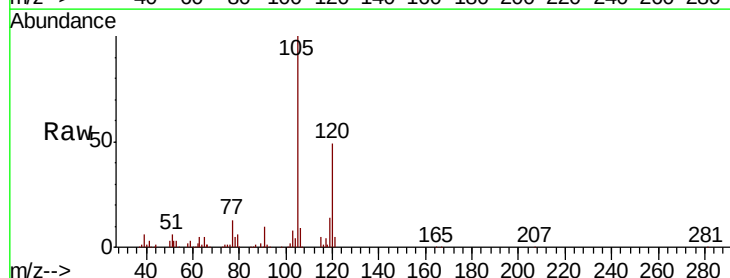
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005404

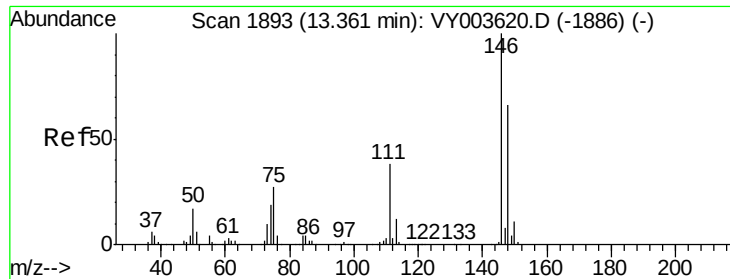
Tot Ion:105 Resp: 56139
 Ion Ratio Lower Upper
 105 100
 120 50.9 40.4 60.6



#63
 1,2,4-Trimethylbenzene
 Concen: 4.781 ug/L
 RT: 13.12 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VY003625.D
 Acq: 25 Nov 2020 15:40

Tgt Ion:105 Resp: 54511
 Ion Ratio Lower Upper
 105 100
 120 48.6 38.0 57.0





#64

1,3-Dichlorobenzene

Concen: 5.143 ug/L

RT: 13.36 min Scan# 1893

Delta R.T. 0.00 min

Lab File: VY003625.D

Acq: 25 Nov 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005404

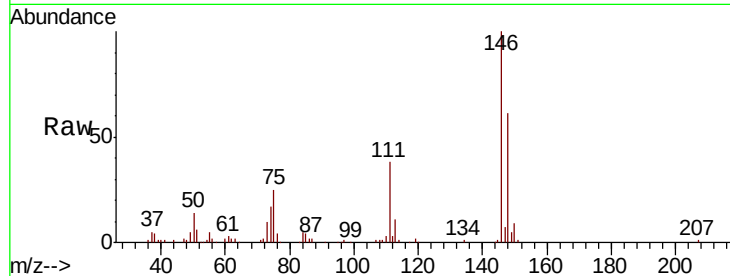
Tot Ion:146 Resp: 36016

Ion Ratio Lower Upper

146 100

111 38.1 26.6 49.4

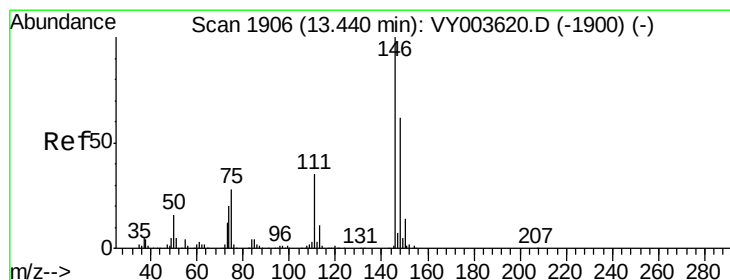
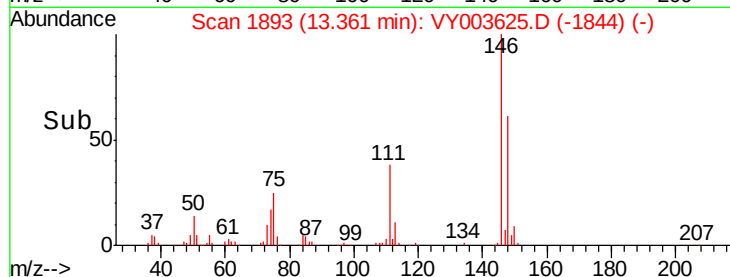
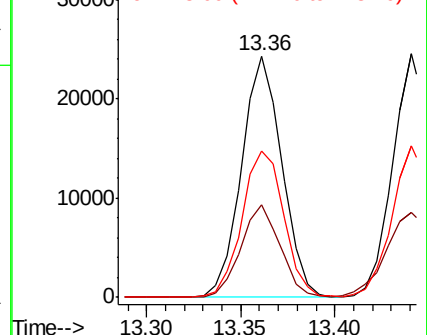
148 60.9 46.3 86.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 5.077 ug/L

RT: 13.44 min Scan# 1906

Delta R.T. 0.00 min

Lab File: VY003625.D

Acq: 25 Nov 2020 15:40

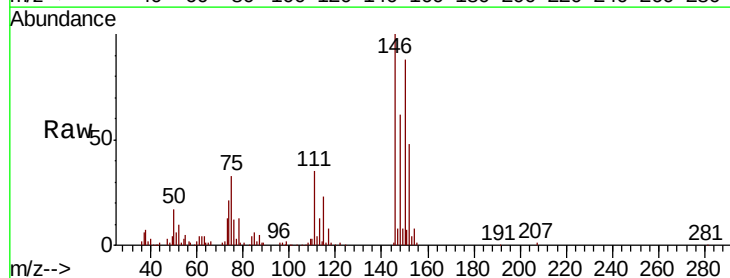
Tgt Ion:146 Resp: 36406

Ion Ratio Lower Upper

146 100

111 35.1 24.7 45.9

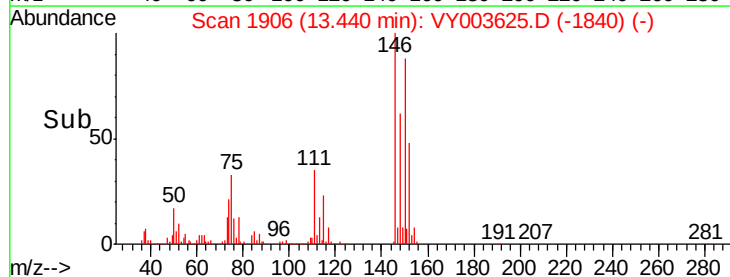
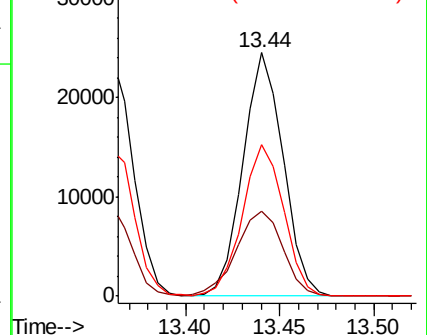
148 62.1 43.4 80.6

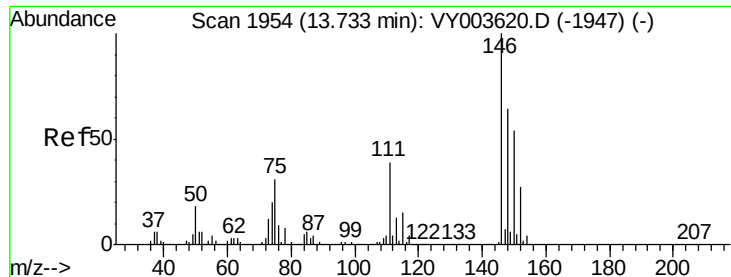


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

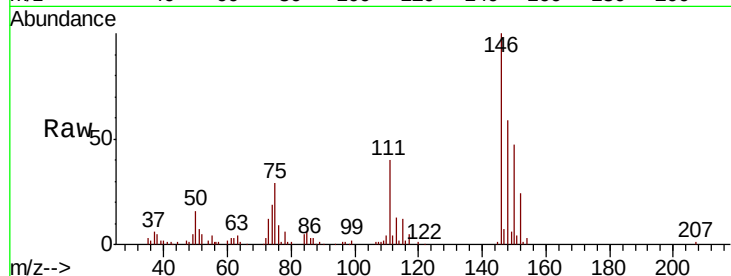




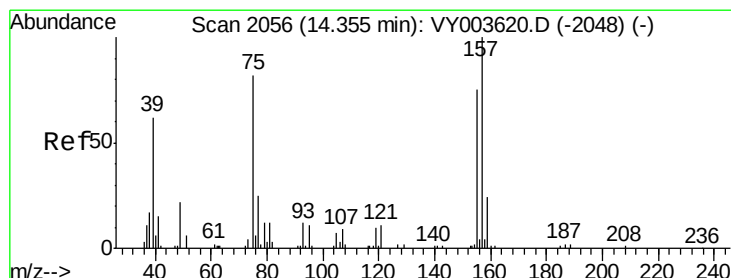
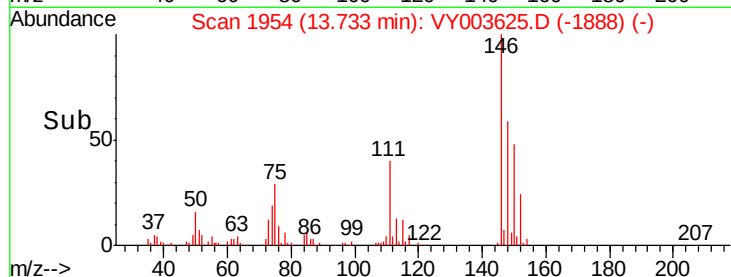
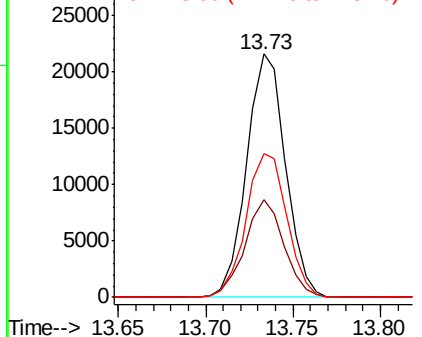
#67
 1,2-Dichlorobenzene
 Concen: 5.156 ug/L
 RT: 13.73 min Scan# 1954
 Delta R.T. 0.00 min
 Lab File: VY003625.D
 Acq: 25 Nov 2020 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005404

Tot Ion:146 Resp: 33491
 Ion Ratio Lower Upper
 146 100
 111 40.0 31.0 46.6
 148 59.3 51.0 76.4

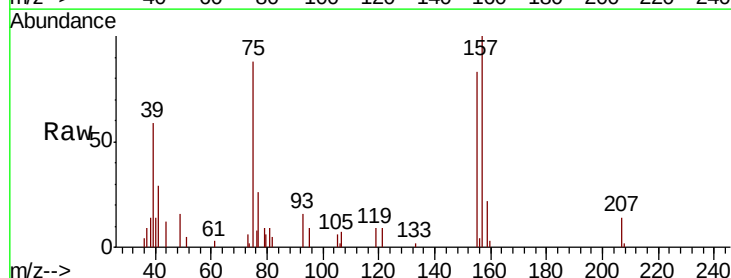


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

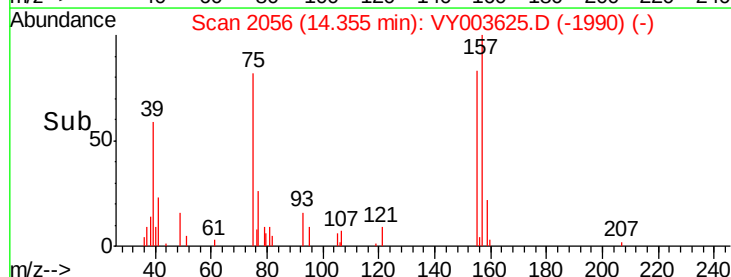
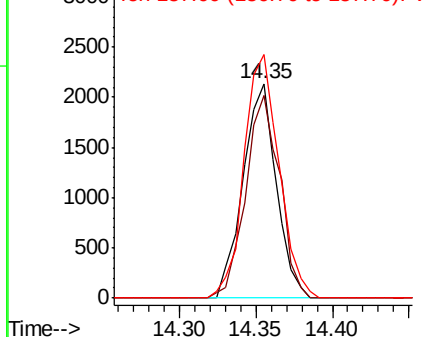


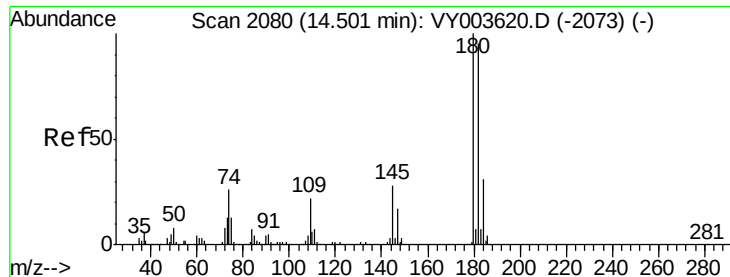
#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.291 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. 0.00 min
 Lab File: VY003625.D
 Acq: 25 Nov 2020 15:40

Tgt Ion: 75 Resp: 3225
 Ion Ratio Lower Upper
 75 100
 155 94.4 73.4 110.0
 157 113.5 98.1 147.1



Abundance Ion 75.00 (74.70 to 75.70): VY0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

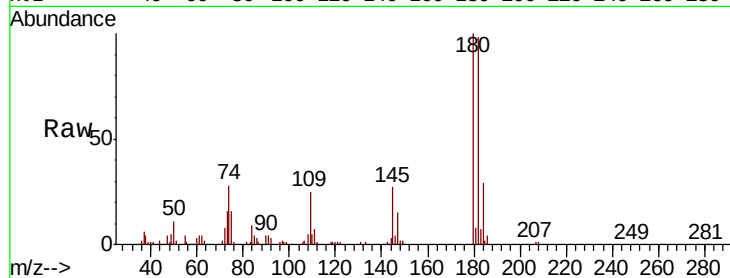




#69
 1,3,5-Trichlorobenzene
 Concen: 5.032 ug/L
 RT: 14.50 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VY003625.D
 Acq: 25 Nov 2020 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005404

Tot Ion	180	Resp	24372
Ion	Ratio	Lower	Upper
180	100		
182	97.4	75.4	113.0
184	31.5	24.1	36.1
145	28.2	22.4	33.6



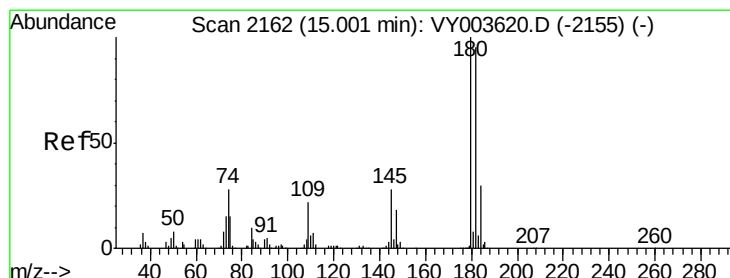
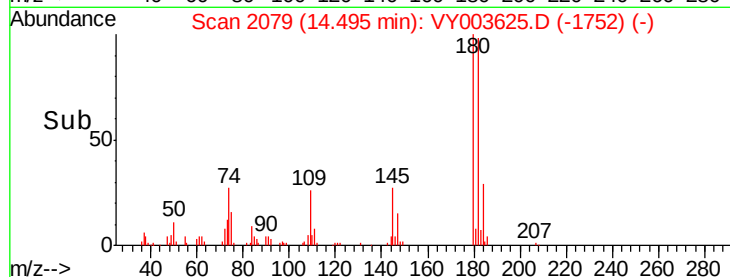
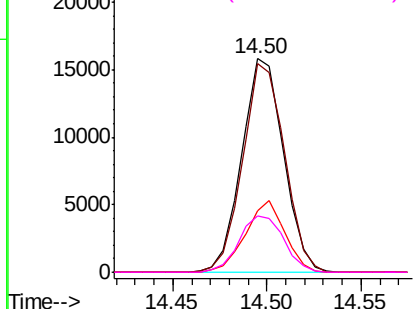
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

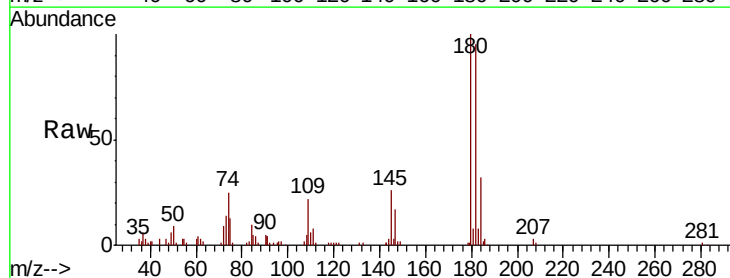
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 5.028 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. 0.00 min
 Lab File: VY003625.D
 Acq: 25 Nov 2020 15:40

Tgt Ion	180	Resp	20972
Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.1	114.1
145	27.6	22.8	34.2

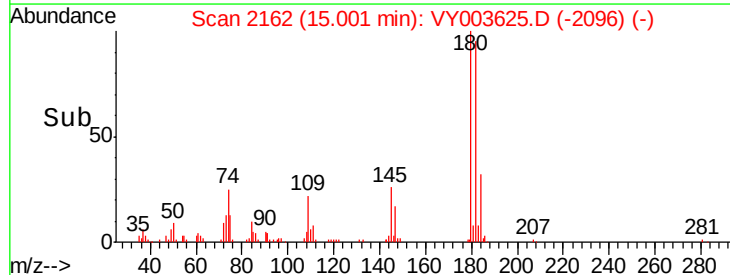
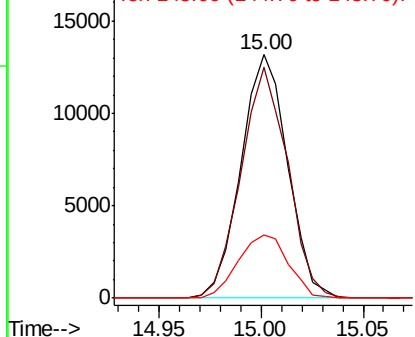


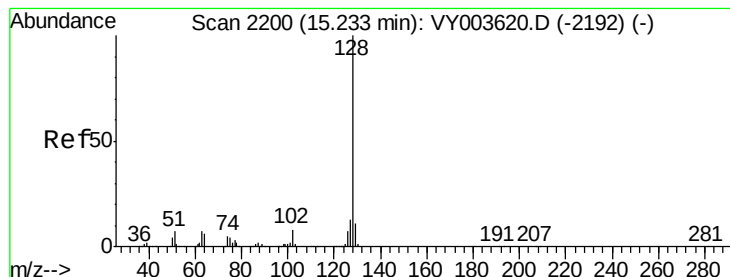
Abundance

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: 4.796 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VY003625.D

Acq: 25 Nov 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005404

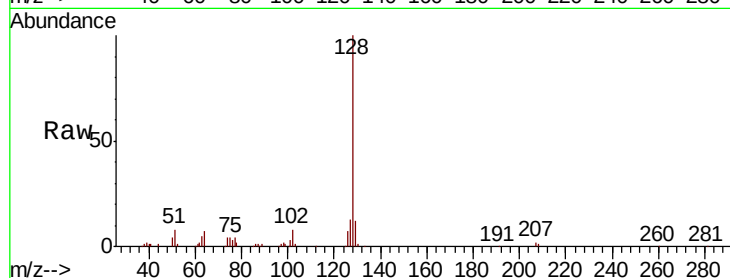
Tot Ion:128 Resp: 41652

Ion Ratio Lower Upper

128 100

127 14.1 10.4 15.6

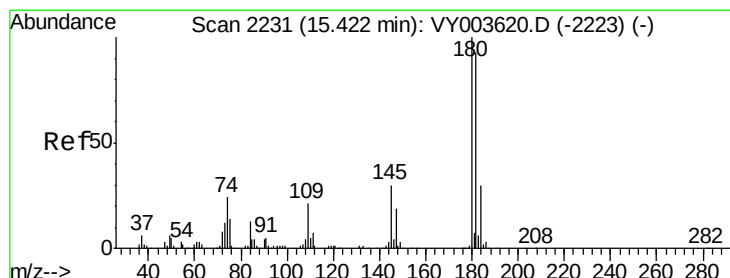
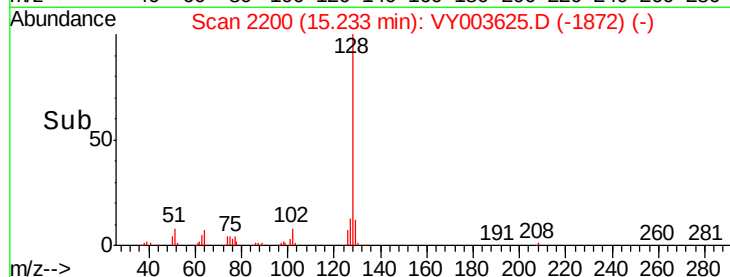
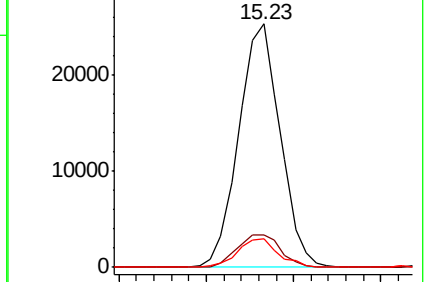
129 11.5 8.5 12.7



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: 5.139 ug/L

RT: 15.42 min Scan# 2230

Delta R.T. -0.01 min

Lab File: VY003625.D

Acq: 25 Nov 2020 15:40

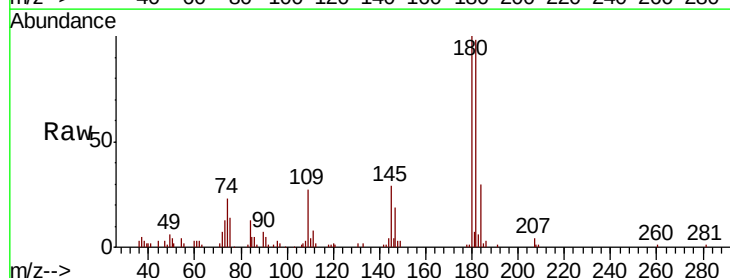
Tgt Ion:180 Resp: 19659

Ion Ratio Lower Upper

180 100

182 94.4 76.2 114.4

145 28.8 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

