

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112520\
 Data File : VY003619.D
 Acq On : 25 Nov 2020 12:49
 Operator : SY/MD
 Sample : VSTD00535
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005404

Quant Time: Nov 26 04:41:54 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	238476	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	223766	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	111071	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	18794	5.49	ug/L	0.00
7) Chloroethane-d5	2.77	69	14395	5.45	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.87	63	34004	5.15	ug/L	0.00
21) 2-Butanone-d5	6.90	46	11648	9.07	ug/L	0.00
24) Chloroform-d	7.49	84	31603	5.06	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	17306	4.94	ug/L	0.00
32) Benzene-d6	8.12	84	66255	5.07	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.12	67	19668	5.04	ug/L	0.00
41) Toluene-d8	10.18	98	57646	4.91	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.43	79	9287	4.90	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	8268	8.49	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	18788	4.81	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	19642	4.89	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	14620	5.131 ug/L	97
3) Chloromethane	2.12	50	16934	5.210 ug/L	93
5) Vinyl chloride	2.25	62	17310	4.984 ug/L	98
6) Bromomethane	2.66	94	11727	5.093 ug/L	98
8) Chloroethane	2.80	64	11579	5.580 ug/L	98
9) Trichlorofluoromethane	3.13	101	26326	5.015 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	16916	5.142 ug/L	98
12) 1,1-Dichloroethene	3.88	96	15682	5.062 ug/L #	82
13) Acetone	3.97	43	10146	9.693 ug/L	98
14) Carbon disulfide	4.20	76	53077	5.030 ug/L	100
15) Methyl Acetate	4.50	43	11077	4.932 ug/L	98
16) Methylene chloride	4.73	84	29620	6.232 ug/L	96
17) trans-1,2-Dichloroethene	5.23	96	17088	5.087 ug/L	97
18) Methyl tert-butyl Ether	5.23	73	40066	4.839 ug/L	99
19) 1,1-Dichloroethane	6.03	63	30258	5.174 ug/L	96
20) cis-1,2-Dichloroethene	7.00	96	18056	5.027 ug/L	97
22) 2-Butanone	7.00	43	15935	10.071 ug/L	96
23) Bromochloromethane	7.34	128	8901	5.061 ug/L	96
25) Chloroform	7.51	83	30005	5.106 ug/L	99
27) 1,2-Dichloroethane	8.24	62	20105	5.151 ug/L	99
29) Cyclohexane	7.79	56	25825	4.789 ug/L	98
30) 1,1,1-Trichloroethane	7.71	97	26493	4.995 ug/L	99
31) Carbon tetrachloride	7.90	117	23852	4.961 ug/L	99
33) Benzene	8.17	78	68844	5.008 ug/L	100
34) Trichloroethene	8.94	95	17325	5.067 ug/L	96
35) Methylcyclohexane	9.19	83	27908	4.723 ug/L	96
37) 1,2-Dichloropropane	9.22	63	17757	5.138 ug/L	100
38) Bromodichloromethane	9.50	83	22231	5.044 ug/L	93
39) cis-1,3-Dichloropropene	9.93	75	24914	4.605 ug/L	97
40) 4-Methyl-2-pentanone	10.07	43	27709	9.076 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112520\
 Data File : VY003619.D
 Acq On : 25 Nov 2020 12:49
 Operator : SY/MD
 Sample : VSTD00535
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

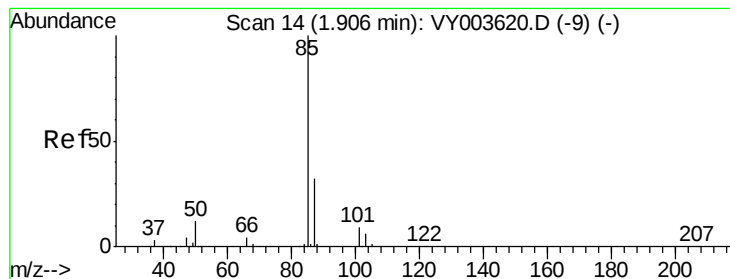
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005404

Quant Time: Nov 26 04:41:54 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)

42) Toluene	10.24	91	70399	4.845	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	24403	4.916	ug/L	100
45) 1,1,2-Trichloroethane	10.64	97	14201	4.939	ug/L	99
46) Tetrachloroethene	10.72	164	14646	4.922	ug/L	94
48) 2-Hexanone	10.83	43	18895	8.676	ug/L	98
49) Dibromochloromethane	10.98	129	16762	4.964	ug/L	93
50) 1,2-Dibromoethane	11.09	107	13451	4.864	ug/L #	98
51) Chlorobenzene	11.51	112	47056	5.099	ug/L	98
52) Ethylbenzene	11.59	91	76064	4.873	ug/L	99
53) m,p-Xylene	11.70	106	28332	4.737	ug/L	96
54) o-Xylene	12.03	106	27214	4.781	ug/L	93
55) Styrene	12.04	104	46296	4.744	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.58	83	18987	5.000	ug/L	99
59) Bromoform	12.20	173	11089	5.011	ug/L	99
60) Isopropylbenzene	12.32	105	69665	4.772	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	13106	4.935	ug/L	97
62) 1,3,5-Trimethylbenzene	12.81	105	54044	4.706	ug/L	97
63) 1,2,4-Trimethylbenzene	13.12	105	52412	4.645	ug/L	99
64) 1,3-Dichlorobenzene	13.36	146	35599	5.136	ug/L	98
65) 1,4-Dichlorobenzene	13.44	146	37482	5.281	ug/L	96
67) 1,2-Dichlorobenzene	13.73	146	31478	4.896	ug/L	93
68) 1,2-Dibromo-3-chloropropan	14.35	75	3055	5.063	ug/L	95
69) 1,3,5-Trichlorobenzene	14.50	180	24633	5.138	ug/L	99
70) 1,2,4-trichlorobenzene	15.00	180	19623	4.753	ug/L	100
71) Naphthalene	15.23	128	38189	4.442	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	18661	4.929	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.131 ug/L

RT: 1.91 min Scan# 14

Delta R.T. 0.00 min

Lab File: VY003619.D

Acq: 25 Nov 2020 12:49

Instrument :

MSVOA_Y

ClientSampleId :

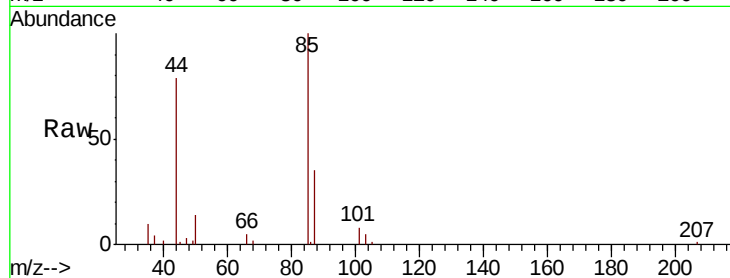
VSTD005404

Tot Ion: 85 Resp: 14620

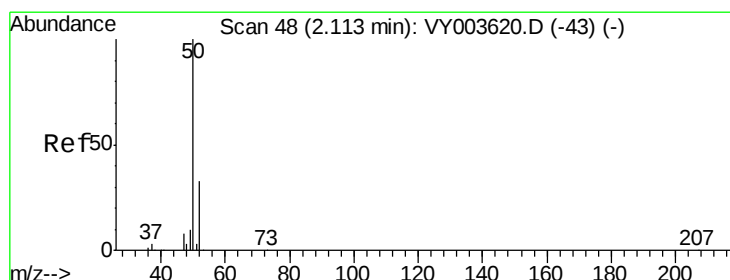
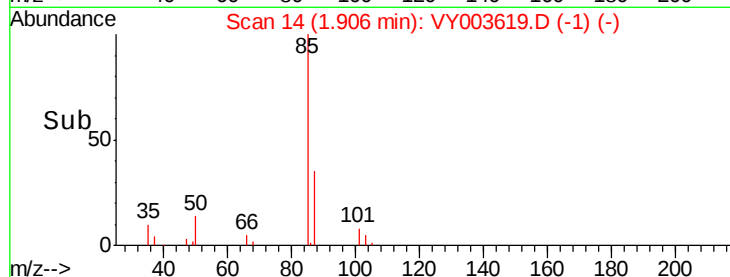
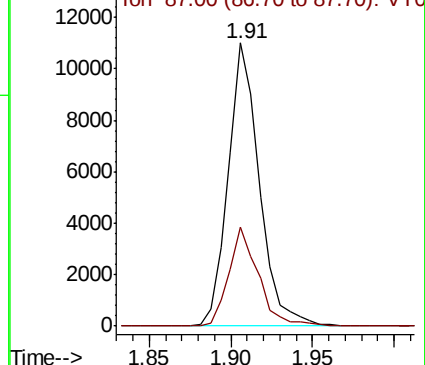
Ion Ratio Lower Upper

85 100

87 33.4 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VY003620.D (-9) (-)



#3

Chloromethane

Concen: 5.210 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.01 min

Lab File: VY003619.D

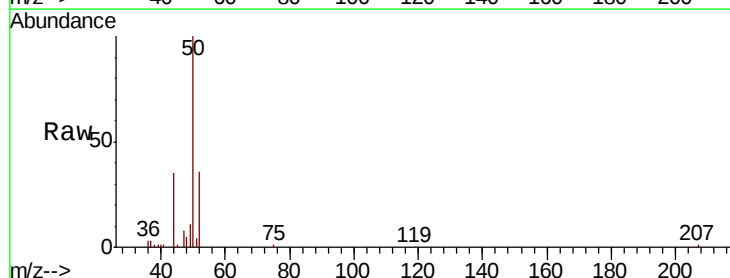
Acq: 25 Nov 2020 12:49

Tgt Ion: 50 Resp: 16934

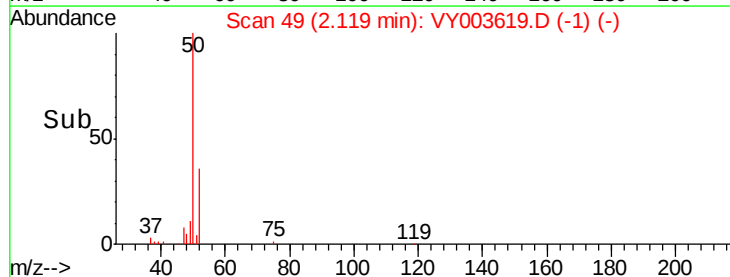
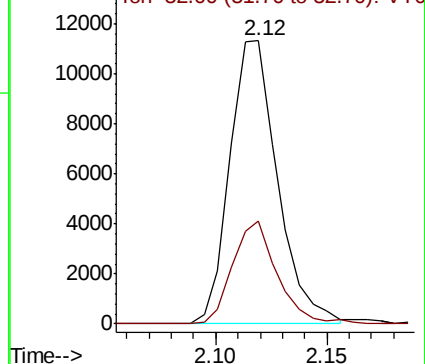
Ion Ratio Lower Upper

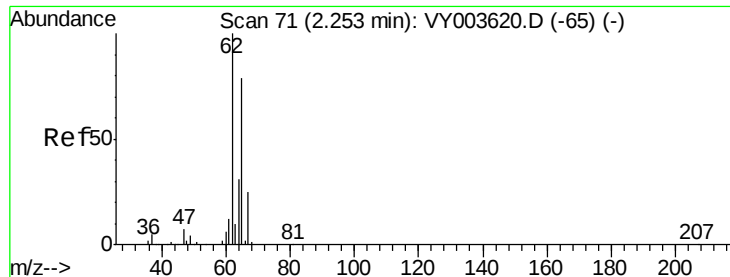
50 100

52 36.2 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VY003620.D (-43) (-)





#5

Vinyl chloride

Concen: 4.984 ug/L

RT: 2.25 min Scan# 71

Delta R.T. 0.00 min

Lab File: VY003619.D

Acq: 25 Nov 2020 12:49

Instrument :

MSVOA_Y

ClientSampleId :

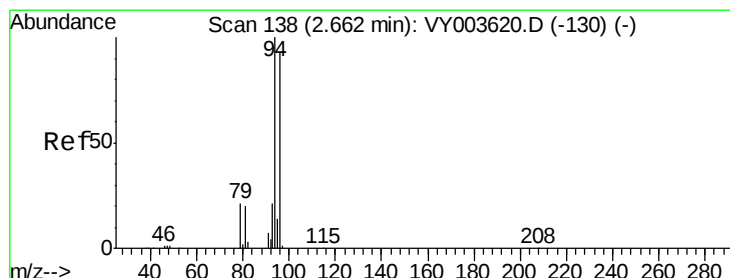
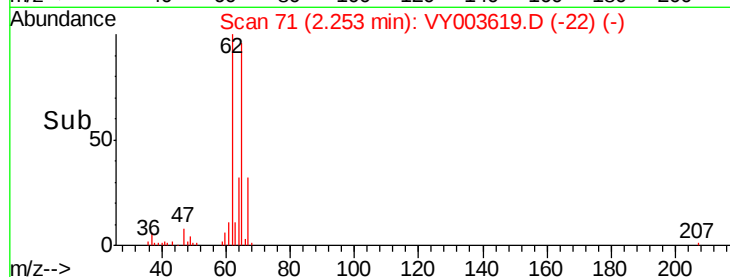
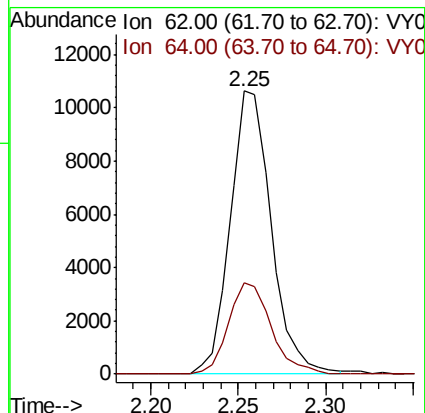
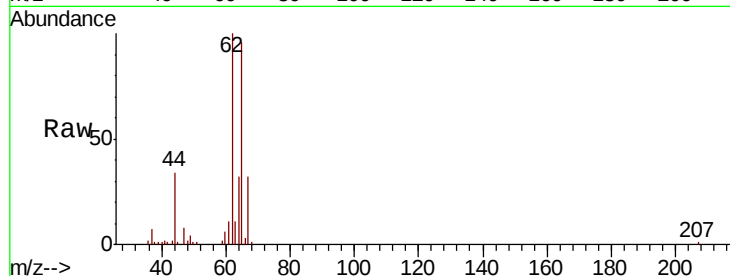
VSTD005404

Tot Ion: 62 Resp: 17310

Ion Ratio Lower Upper

62 100

64 32.5 21.9 40.7



#6

Bromomethane

Concen: 5.093 ug/L

RT: 2.66 min Scan# 138

Delta R.T. 0.00 min

Lab File: VY003619.D

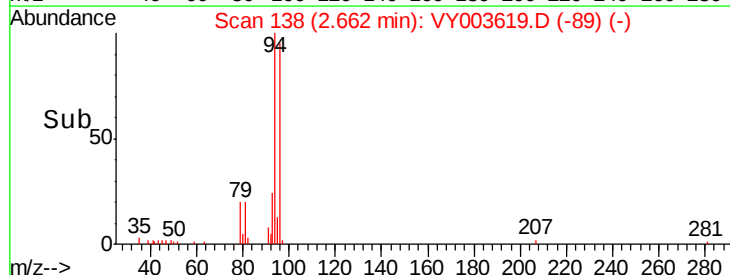
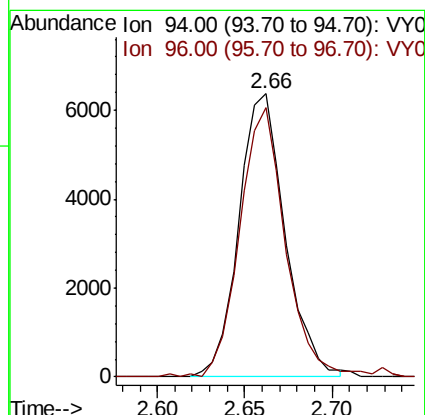
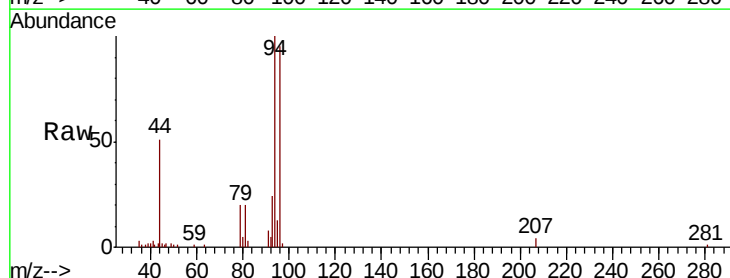
Acq: 25 Nov 2020 12:49

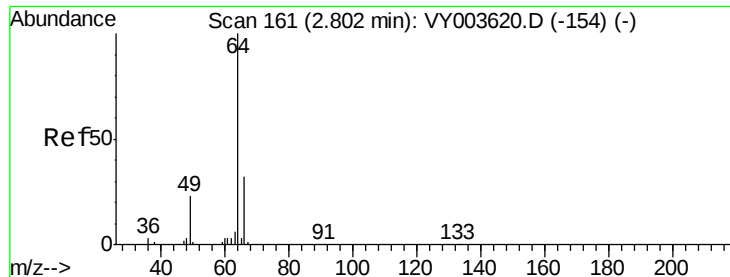
Tgt Ion: 94 Resp: 11727

Ion Ratio Lower Upper

94 100

96 95.0 65.2 121.0





#8

Chloroethane

Concen: 5.580 ug/L

RT: 2.80 min Scan# 161

Delta R.T. 0.00 min

Lab File: VY003619.D

Acq: 25 Nov 2020 12:49

Instrument :

MSVOA_Y

ClientSampleId :

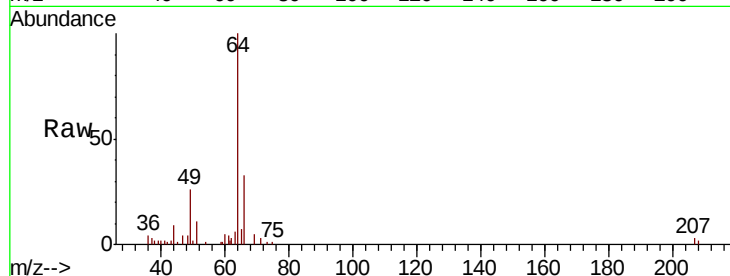
VSTD005404

Tot Ion: 64 Resp: 11579

Ion Ratio Lower Upper

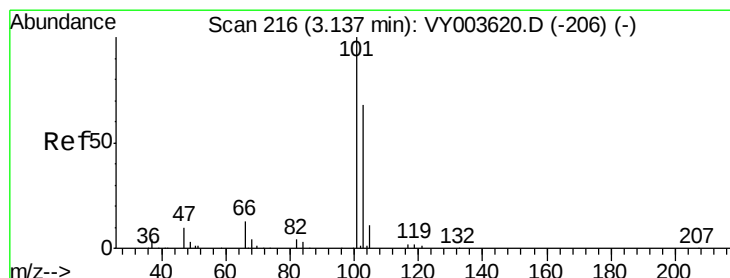
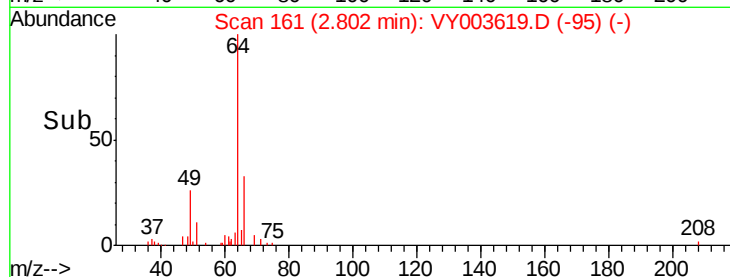
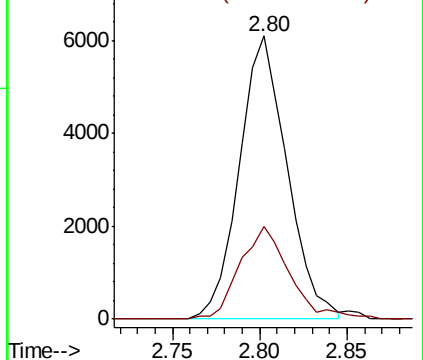
64 100

66 32.7 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: 5.015 ug/L

RT: 3.13 min Scan# 215

Delta R.T. -0.01 min

Lab File: VY003619.D

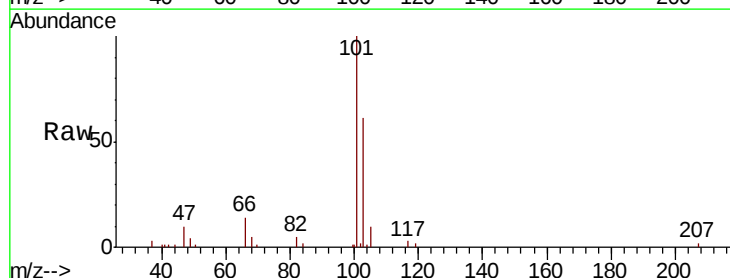
Acq: 25 Nov 2020 12:49

Tgt Ion:101 Resp: 26326

Ion Ratio Lower Upper

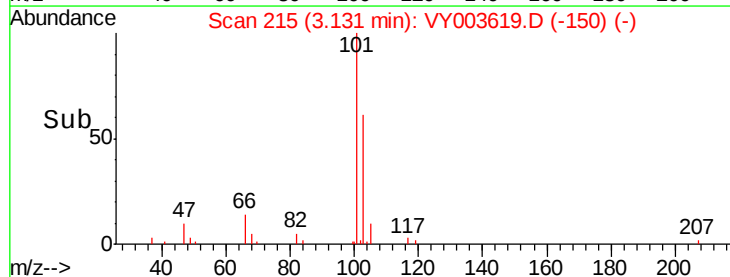
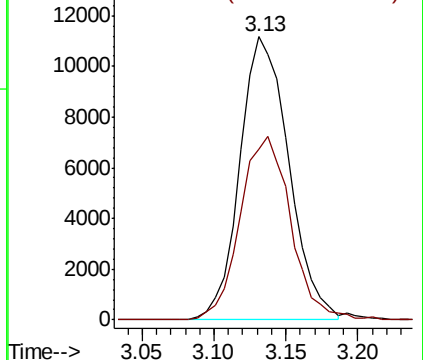
101 100

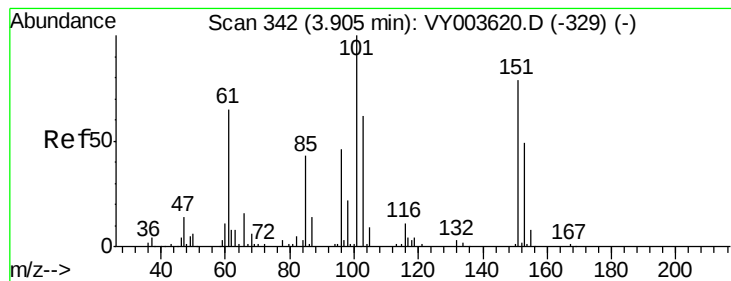
103 66.8 51.9 77.9



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: 5.142 ug/L

RT: 3.91 min Scan# 343

Delta R.T. 0.01 min

Lab File: VY003619.D

Acq: 25 Nov 2020 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005404

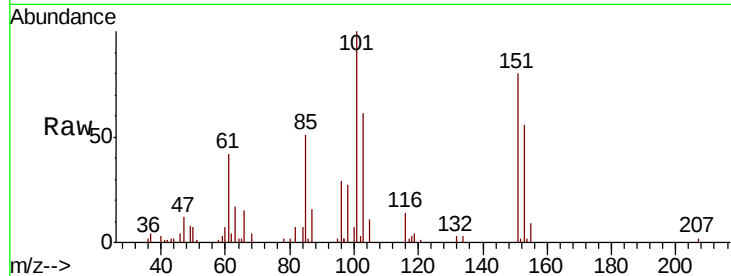
Tot Ion:101 Resp: 16916

Ion Ratio Lower Upper

101 100

85 43.3 35.6 53.4

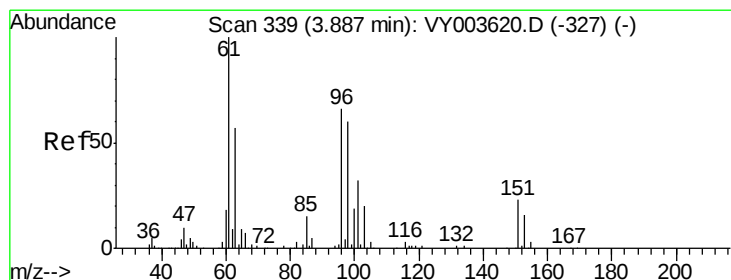
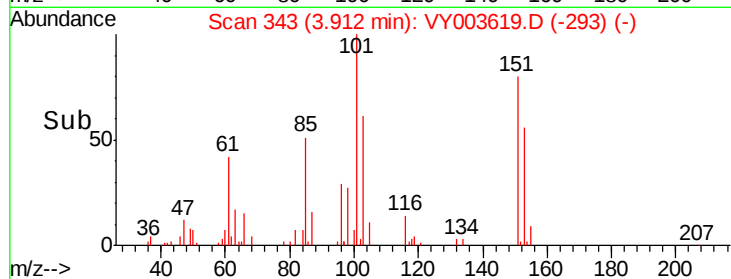
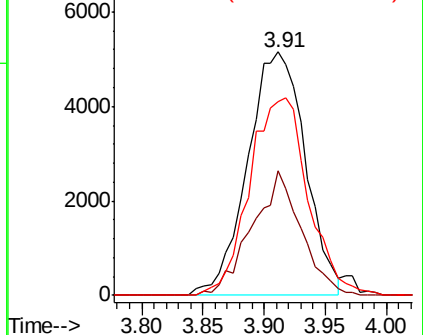
151 82.3 64.2 96.2



Abundance Ion 101.00 (100.70 to 101.70): VY003620.D (-329) (-)

Ion 85.00 (84.70 to 85.70): VY003620.D (-329) (-)

Ion 151.00 (150.70 to 151.70): VY003620.D (-329) (-)



#12

1,1-Dichloroethene

Concen: 5.062 ug/L

RT: 3.88 min Scan# 338

Delta R.T. -0.01 min

Lab File: VY003619.D

Acq: 25 Nov 2020 12:49

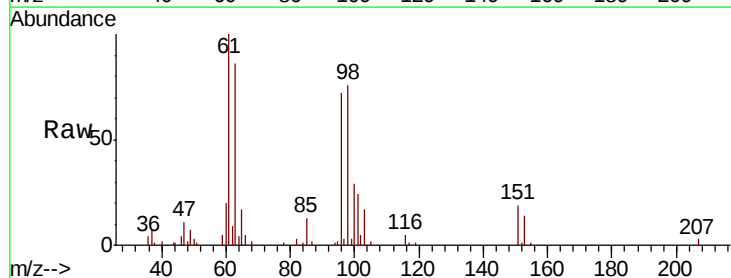
Tgt Ion: 96 Resp: 15682

Ion Ratio Lower Upper

96 100

61 138.4 106.1 197.1

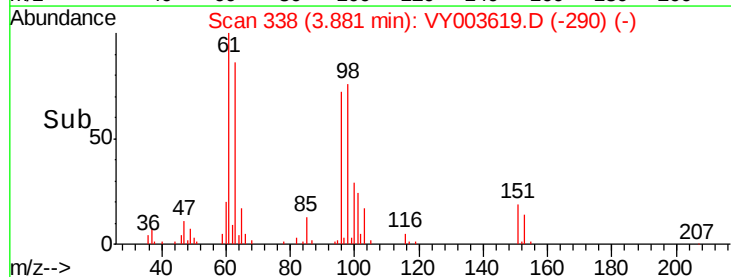
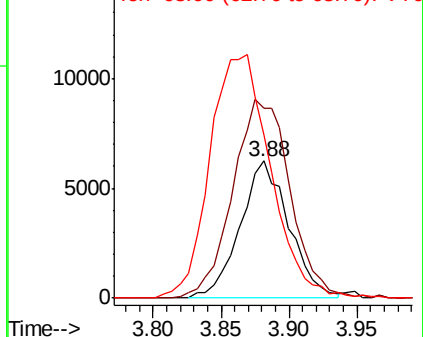
63 118.7 62.9 116.9#

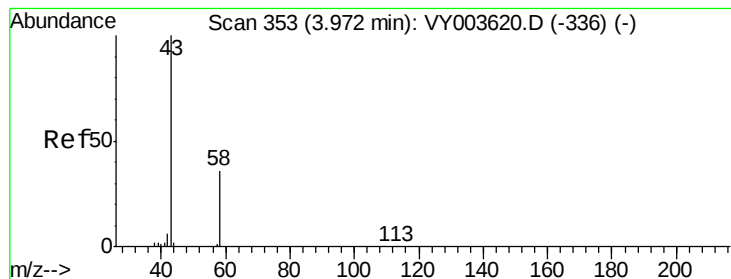


Abundance Ion 96.00 (95.70 to 96.70): VY003620.D (-327) (-)

Ion 61.00 (60.70 to 61.70): VY003620.D (-327) (-)

Ion 63.00 (62.70 to 63.70): VY003620.D (-327) (-)





#13

Acetone

Concen: 9.693 ug/L

RT: 3.97 min Scan# 353

Delta R.T. 0.00 min

Lab File: VY003619.D

Acq: 25 Nov 2020 12:49

Instrument :

MSVOA_Y

ClientSampleId :

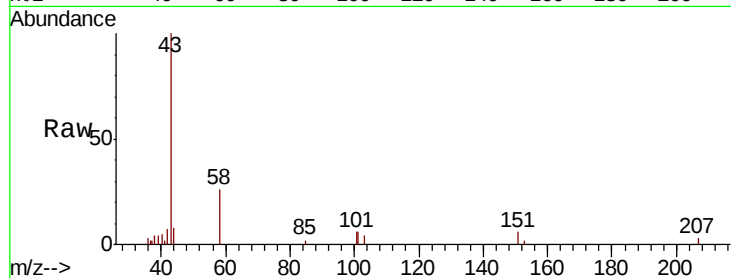
VSTD005404

Tot Ion: 43 Resp: 10146

Ion Ratio Lower Upper

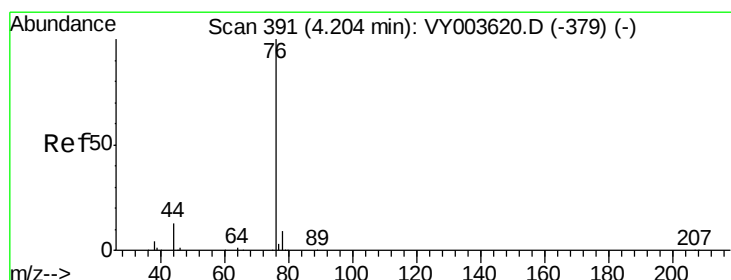
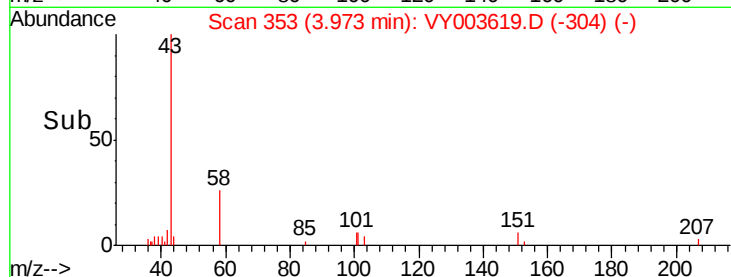
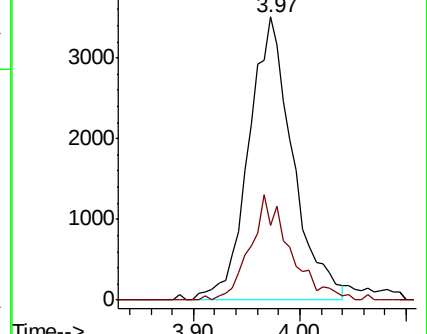
43 100

58 29.8 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: 5.030 ug/L

RT: 4.20 min Scan# 391

Delta R.T. 0.00 min

Lab File: VY003619.D

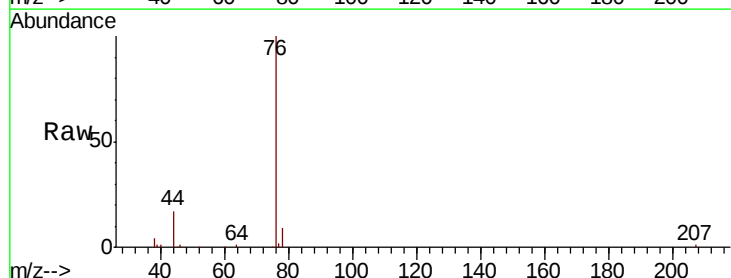
Acq: 25 Nov 2020 12:49

Tgt Ion: 76 Resp: 53077

Ion Ratio Lower Upper

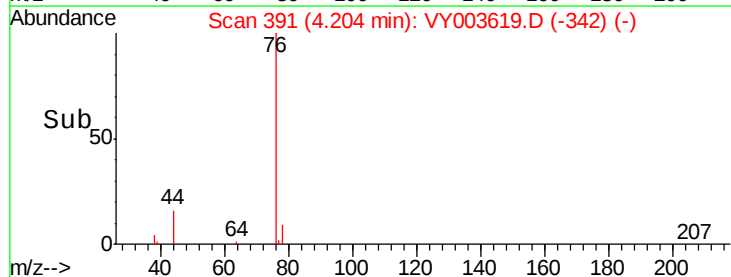
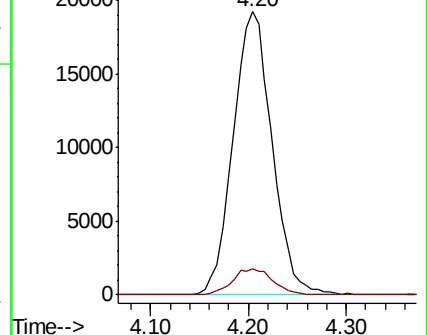
76 100

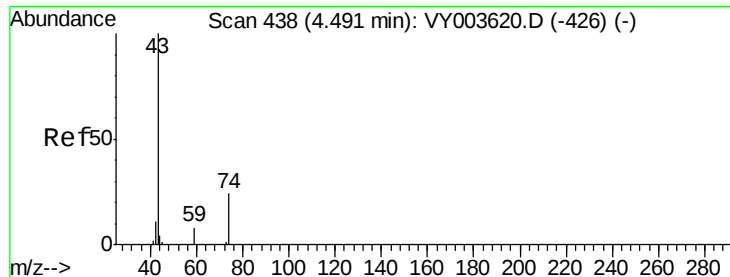
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

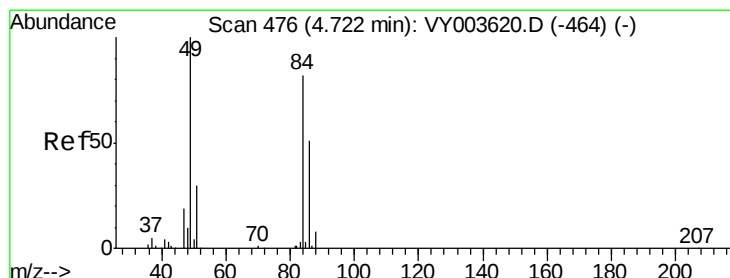
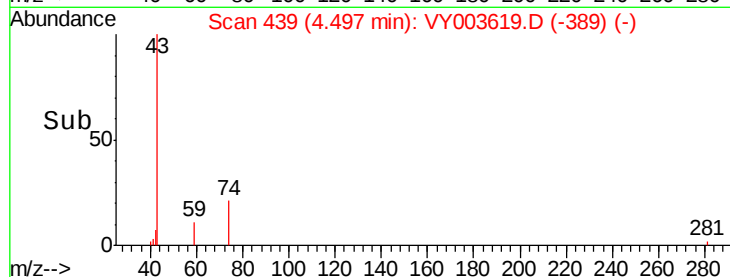
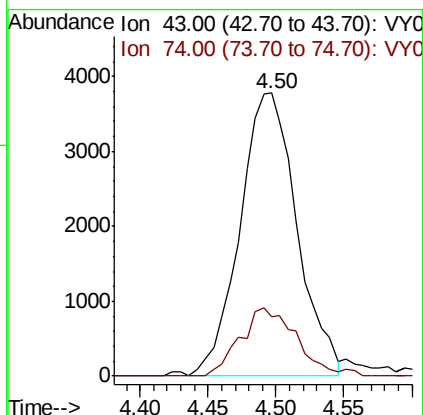
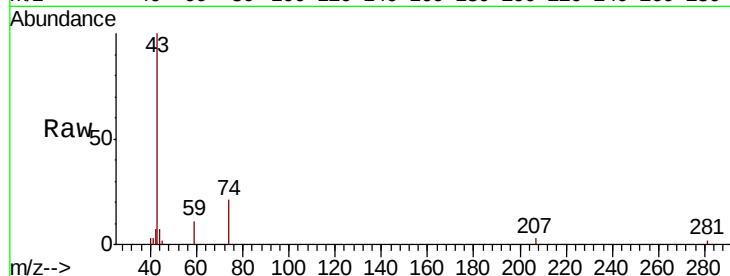




#15
Methyl Acetate
Concen: 4.932 ug/L
RT: 4.50 min Scan# 439
Delta R.T. 0.01 min
Lab File: VY003619.D
Acq: 25 Nov 2020 12:49

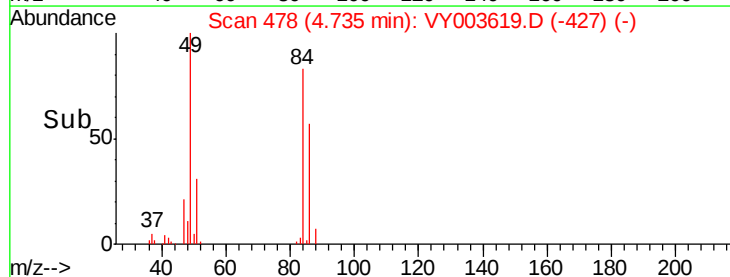
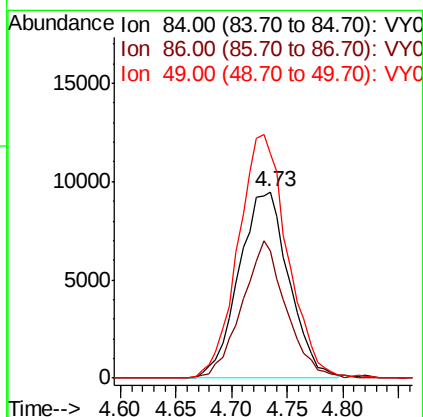
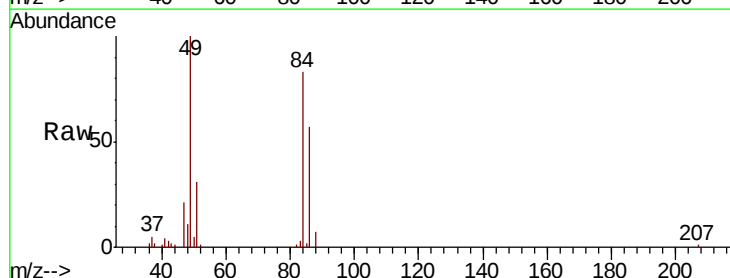
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005404

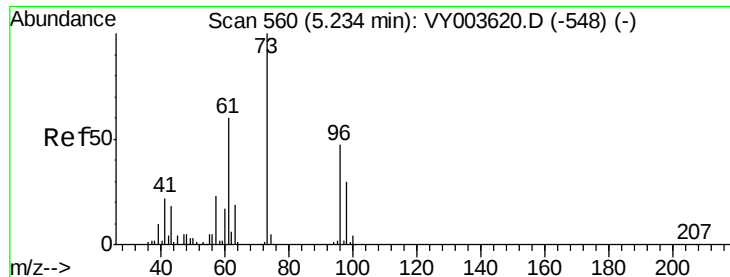
Tot Ion: 43 Resp: 11077
Ion Ratio Lower Upper
43 100
74 23.5 18.2 27.2



#16
Methylene chloride
Concen: 6.232 ug/L
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VY003619.D
Acq: 25 Nov 2020 12:49

Tgt Ion: 84 Resp: 29620
Ion Ratio Lower Upper
84 100
86 68.5 43.3 80.3
49 120.6 85.3 158.5

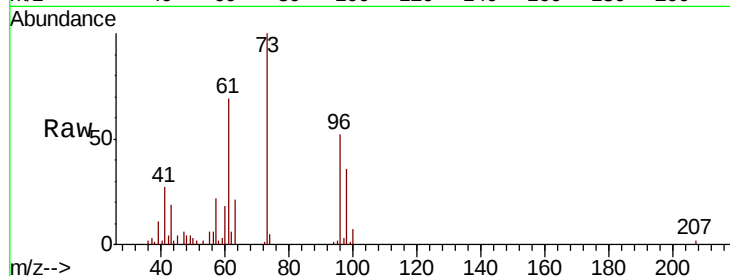




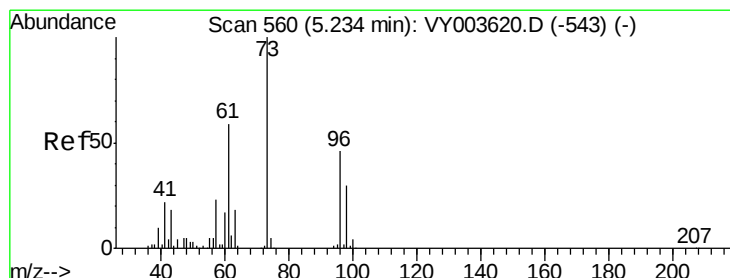
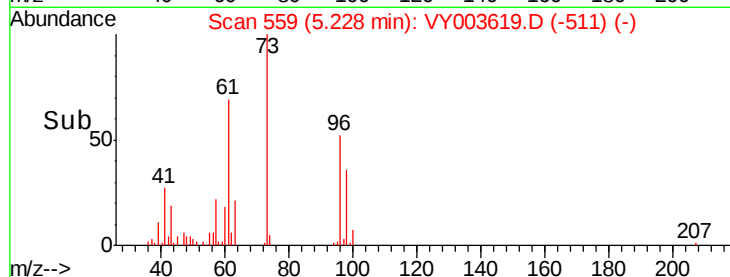
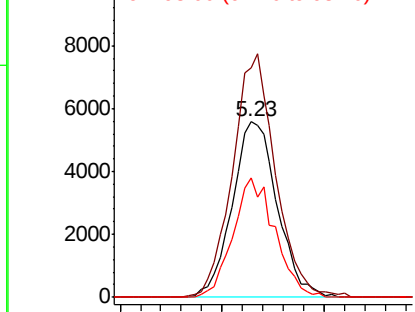
#17
trans-1,2-Dichloroethene
Concen: 5.087 ug/L
RT: 5.23 min Scan# 559
Delta R.T. -0.01 min
Lab File: VY003619.D
Acq: 25 Nov 2020 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTD005404

Tot Ion: 96 Resp: 17088
Ion Ratio Lower Upper
96 100
61 131.0 89.5 166.1
98 68.3 45.5 84.5

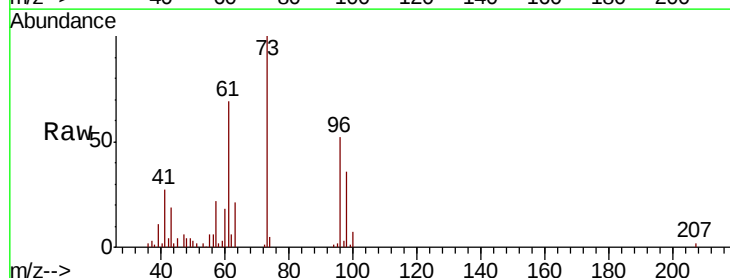


Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

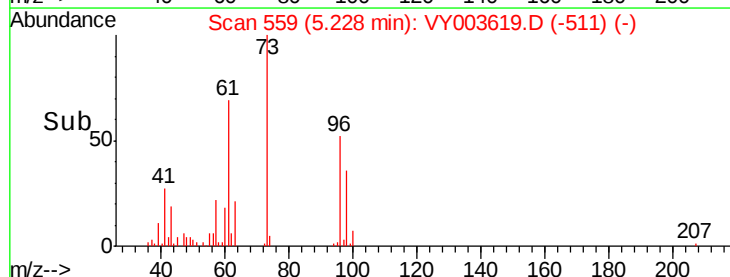
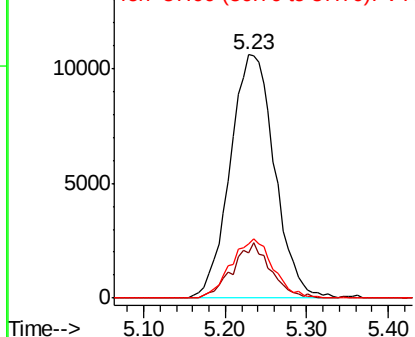


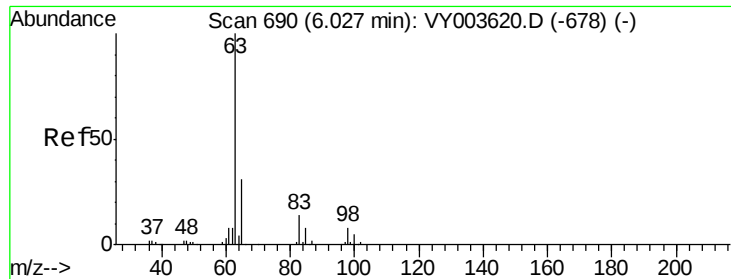
#18
Methyl tert-butyl Ether
Concen: 4.839 ug/L
RT: 5.23 min Scan# 559
Delta R.T. -0.01 min
Lab File: VY003619.D
Acq: 25 Nov 2020 12:49

Tgt Ion: 73 Resp: 40066
Ion Ratio Lower Upper
73 100
43 19.2 15.2 22.8
57 22.9 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

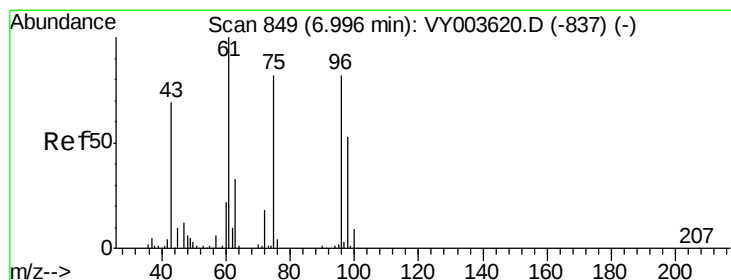
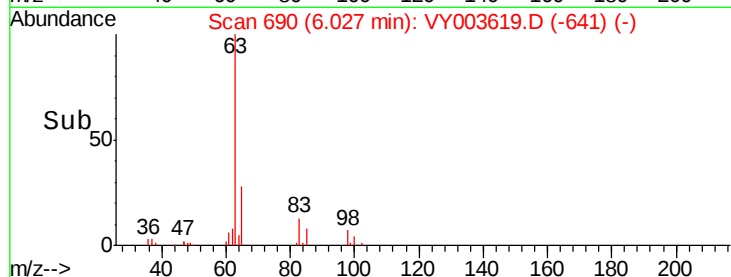
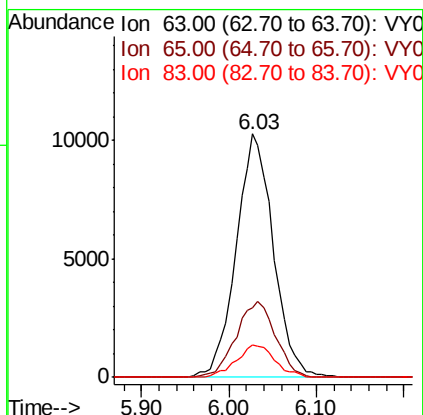
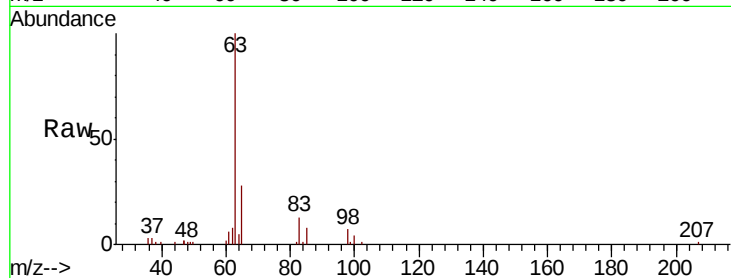




#19
 1,1-Dichloroethane
 Concen: 5.174 ug/L
 RT: 6.03 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VY003619.D
 Acq: 25 Nov 2020 12:49

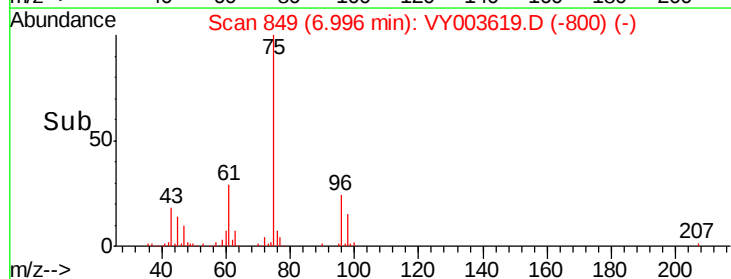
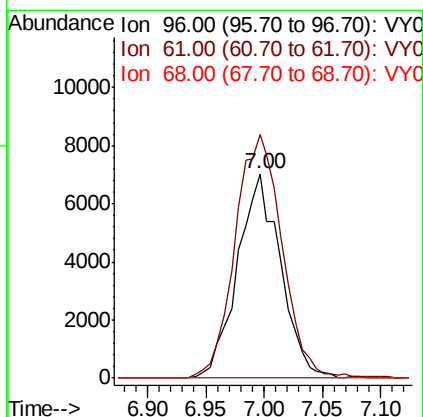
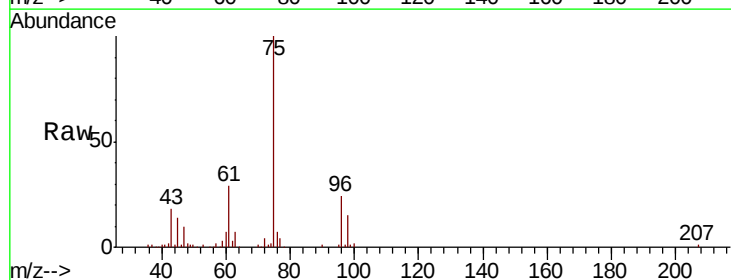
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005404

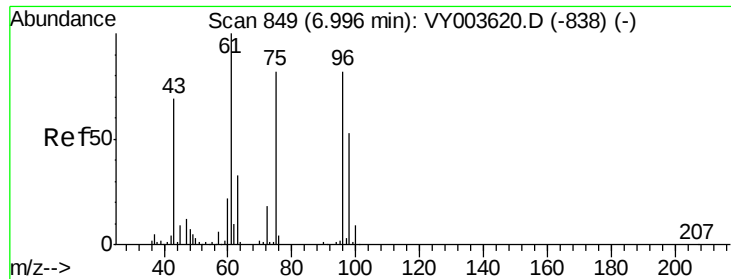
Tot Ion	Ratio	Lower	Upper
63	100		
65	28.5	21.9	40.7
83	13.1	9.5	17.7



#20
 cis-1,2-Dichloroethene
 Concen: 5.027 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VY003619.D
 Acq: 25 Nov 2020 12:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	119.4	85.8	159.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 10.071 ug/L

RT: 7.00 min Scan# 850

Delta R.T. 0.01 min

Lab File: VY003619.D

Acq: 25 Nov 2020 12:49

Instrument :

MSVOA_Y

ClientSampleId :

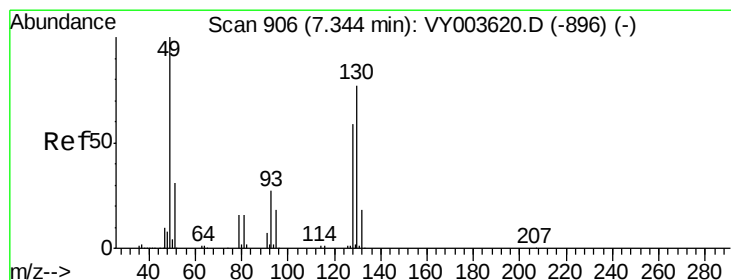
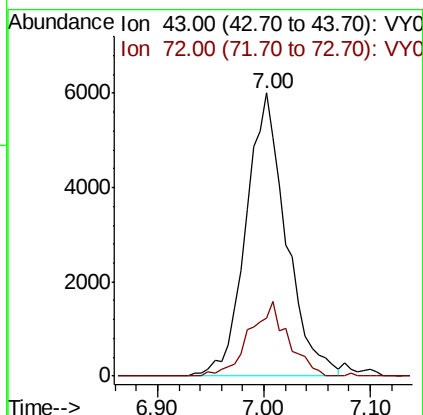
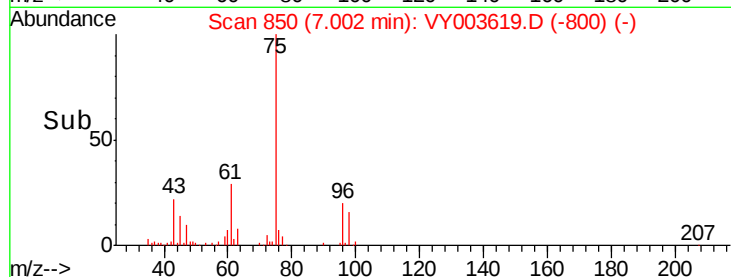
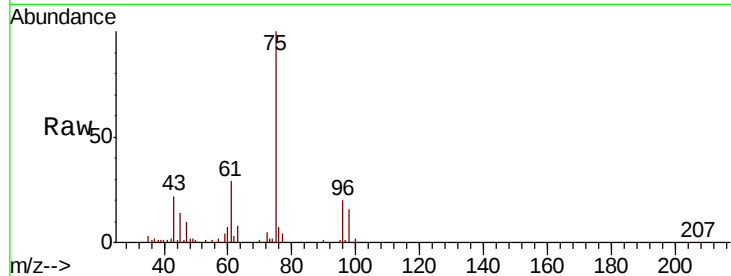
VSTD005404

Tot Ion: 43 Resp: 15935

Ion Ratio Lower Upper

43 100

72 25.1 13.5 40.5



#23

Bromochloromethane

Concen: 5.061 ug/L

RT: 7.34 min Scan# 906

Delta R.T. 0.00 min

Lab File: VY003619.D

Acq: 25 Nov 2020 12:49

Tgt Ion: 128 Resp: 8901

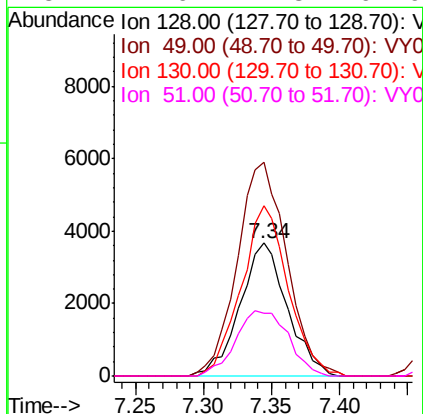
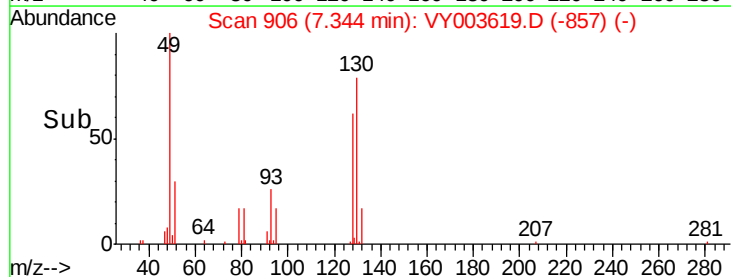
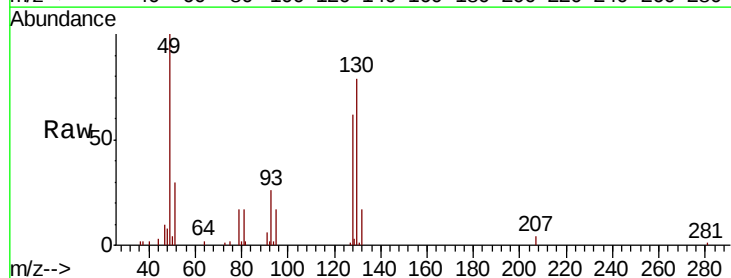
Ion Ratio Lower Upper

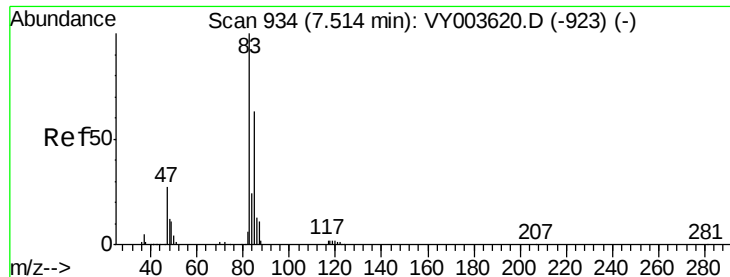
128 100

49 161.0 118.1 219.3

130 127.9 90.5 168.1

51 47.6 41.3 61.9





#25

Chloroform

Concen: 5.106 ug/L

RT: 7.51 min Scan# 934

Delta R.T. 0.00 min

Lab File: VY003619.D

Acq: 25 Nov 2020 12:49

Instrument :

MSVOA_Y

ClientSampleId :

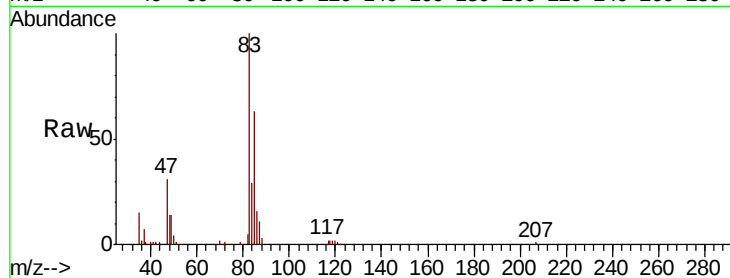
VSTD005404

Tot Ion: 83 Resp: 30005

Ion Ratio Lower Upper

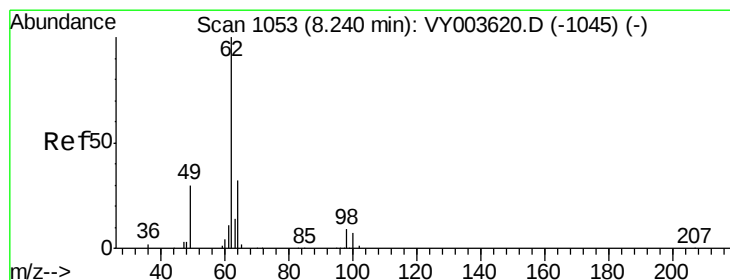
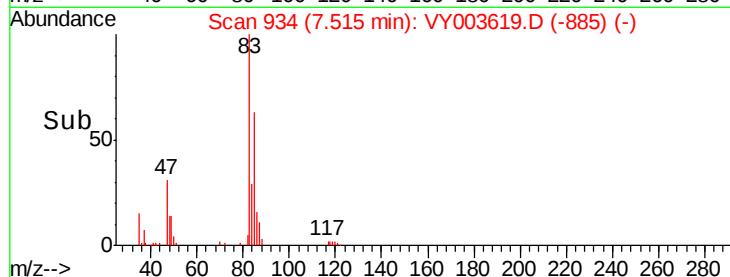
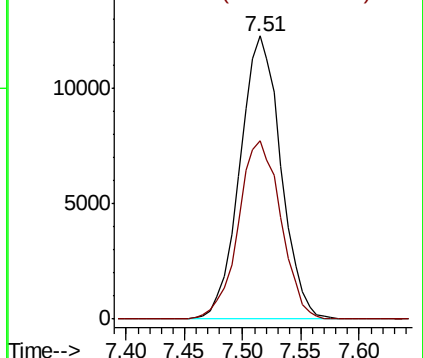
83 100

85 62.9 44.4 82.4



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#27

1,2-Dichloroethane

Concen: 5.151 ug/L

RT: 8.24 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VY003619.D

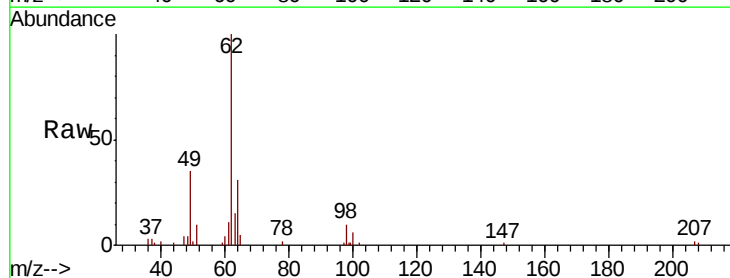
Acq: 25 Nov 2020 12:49

Tgt Ion: 62 Resp: 20105

Ion Ratio Lower Upper

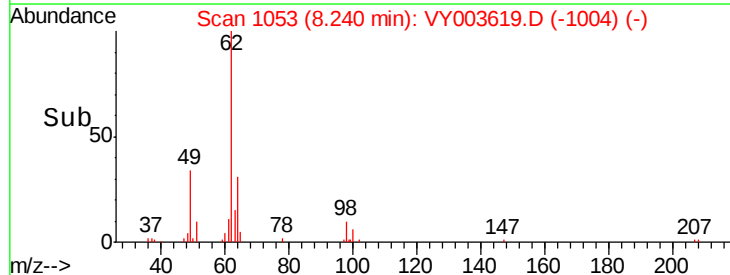
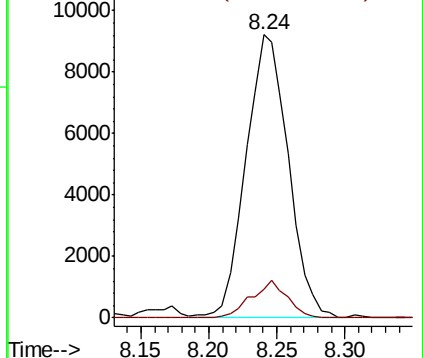
62 100

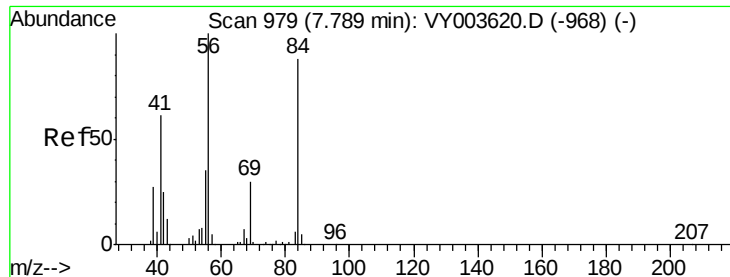
98 9.9 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

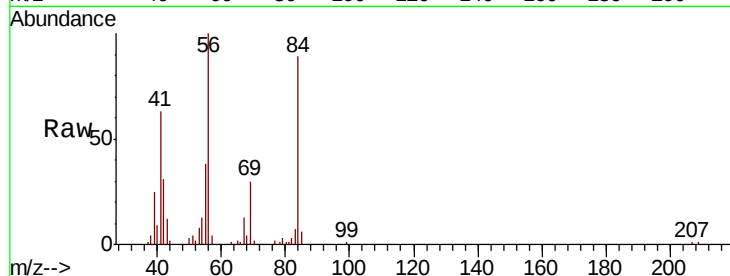




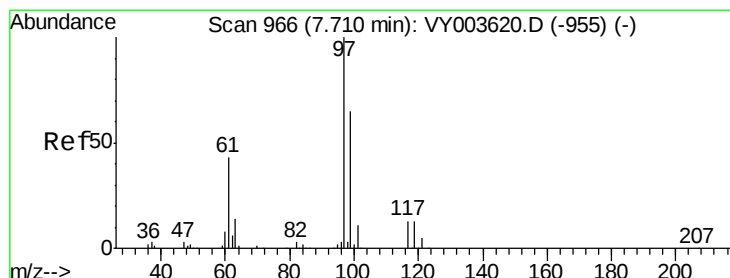
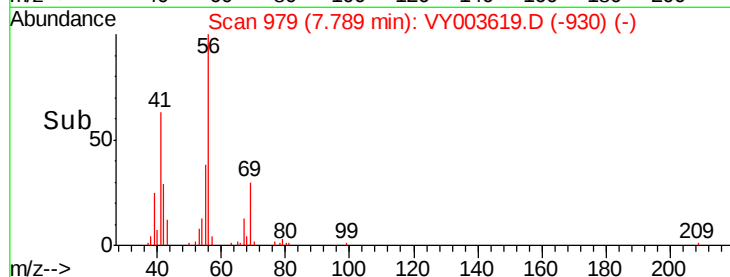
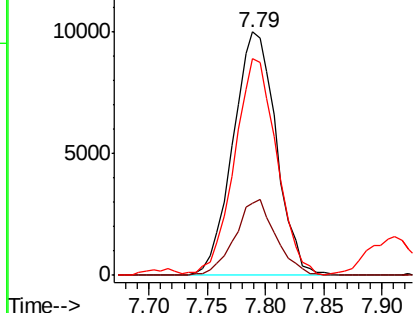
#29
Cyclohexane
Concen: 4.789 ug/L
RT: 7.79 min Scan# 979
Delta R.T. 0.00 min
Lab File: VY003619.D
Acq: 25 Nov 2020 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTD005404

Tot Ion	56	Resp	25825
Ion Ratio	Lower	Upper	
56	100		
69	29.3	23.9	35.9
84	87.2	71.9	107.9

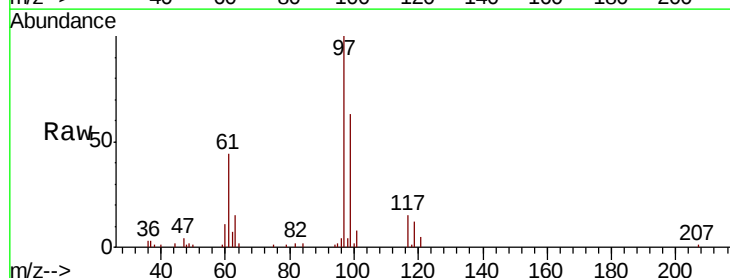


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

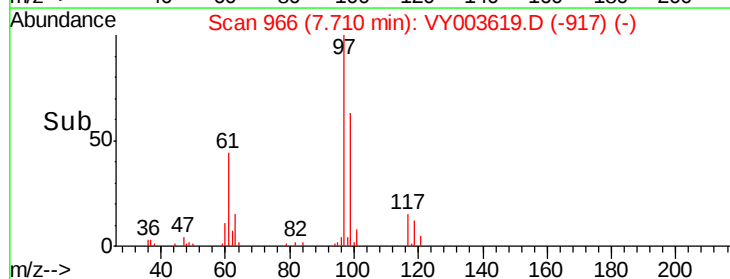
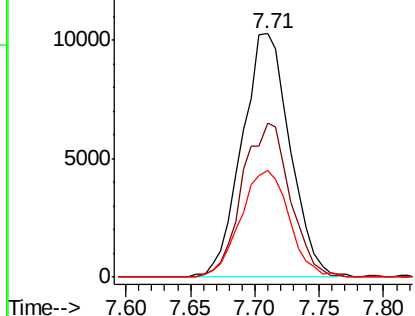


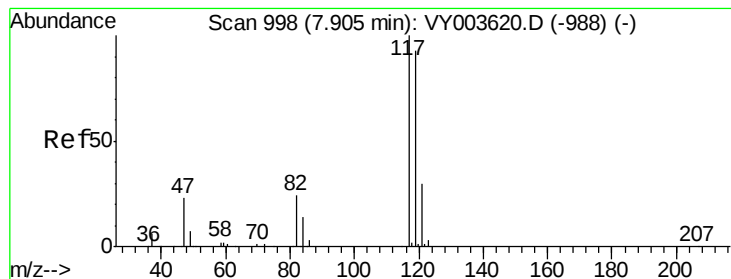
#30
1,1,1-Trichloroethane
Concen: 4.995 ug/L
RT: 7.71 min Scan# 966
Delta R.T. 0.00 min
Lab File: VY003619.D
Acq: 25 Nov 2020 12:49

Tgt Ion	97	Resp	26493
Ion Ratio	Lower	Upper	
97	100		
99	62.9	50.6	76.0
61	44.0	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: 4.961 ug/L

RT: 7.90 min Scan# 998

Delta R.T. 0.00 min

Lab File: VY003619.D

Acq: 25 Nov 2020 12:49

Instrument :

MSVOA_Y

ClientSampleId :

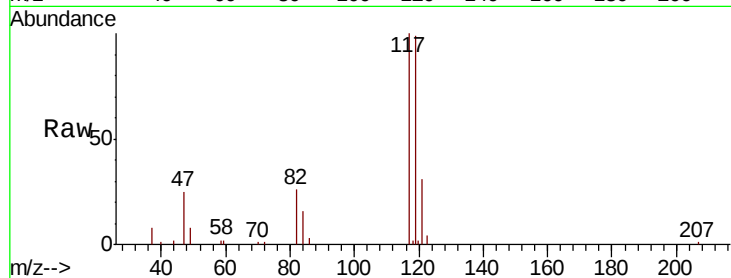
VSTD005404

Tot Ion:117 Resp: 23852

Ion Ratio Lower Upper

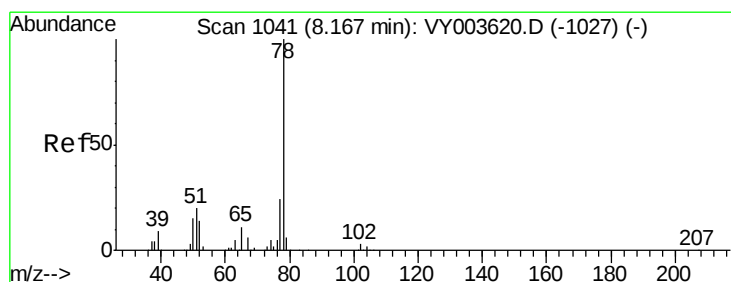
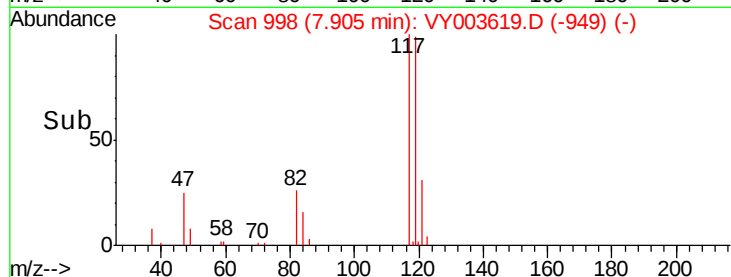
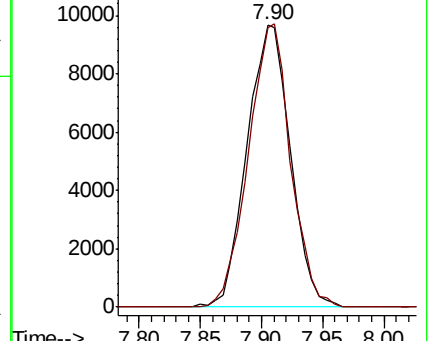
117 100

119 97.7 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.008 ug/L

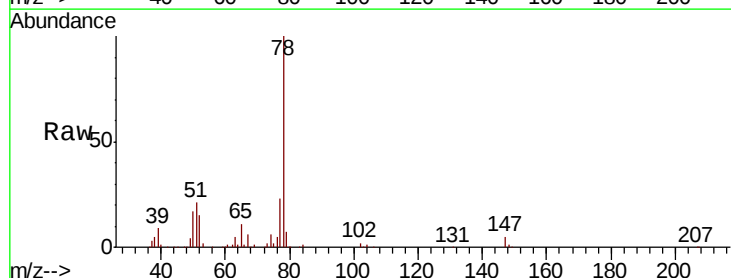
RT: 8.17 min Scan# 1041

Delta R.T. 0.00 min

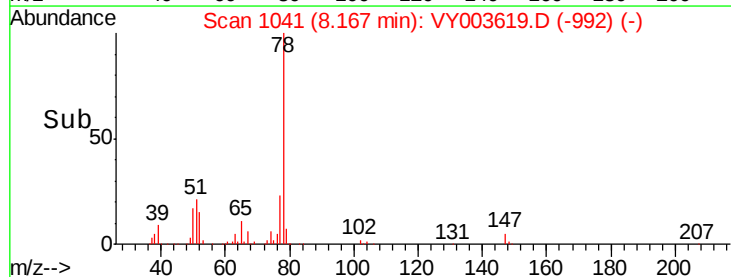
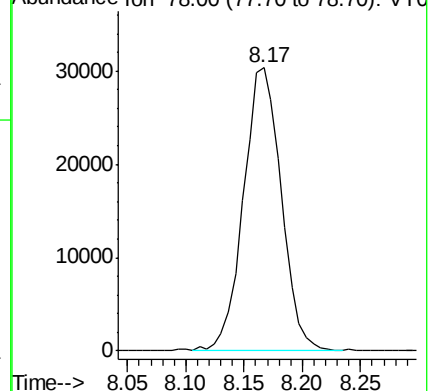
Lab File: VY003619.D

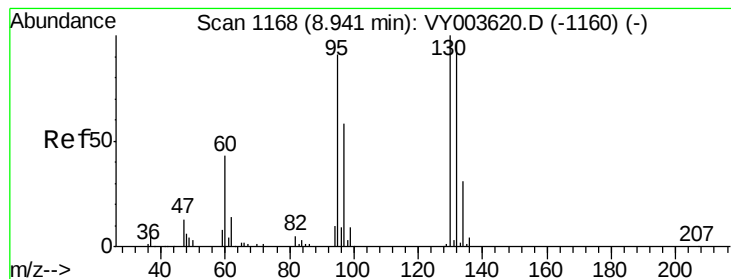
Acq: 25 Nov 2020 12:49

Tgt Ion: 78 Resp: 68844



Abundance Ion 78.00 (77.70 to 78.70): VY0





#34

Trichloroethene

Concen: 5.067 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. 0.00 min

Lab File: VY003619.D

Acq: 25 Nov 2020 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005404

Tot Ion: 95 Resp: 17325

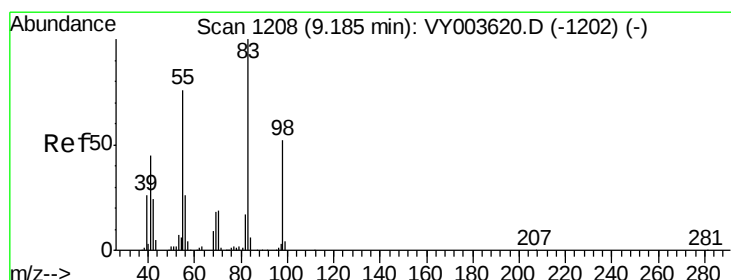
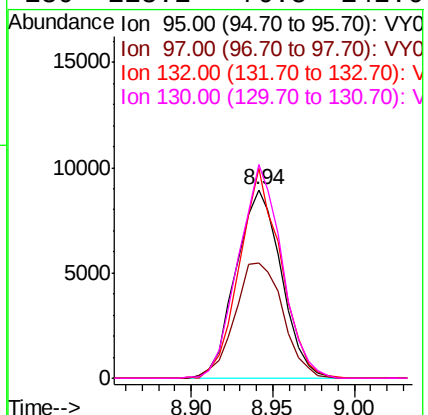
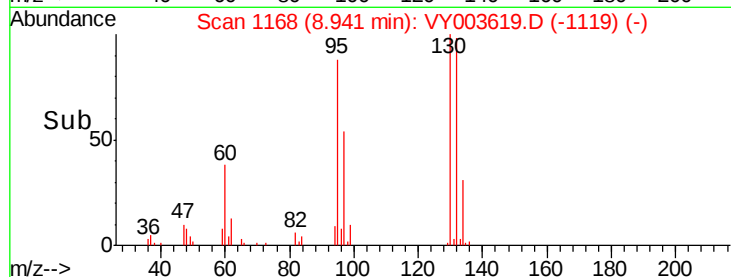
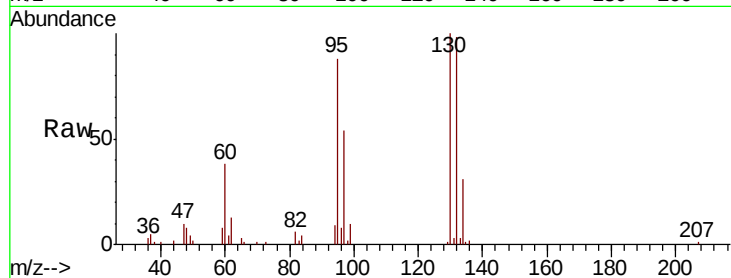
Ion Ratio Lower Upper

95 100

97 61.2 44.7 83.1

132 110.9 74.7 138.7

130 113.1 76.8 142.6



#35

Methylcyclohexane

Concen: 4.723 ug/L

RT: 9.19 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VY003619.D

Acq: 25 Nov 2020 12:49

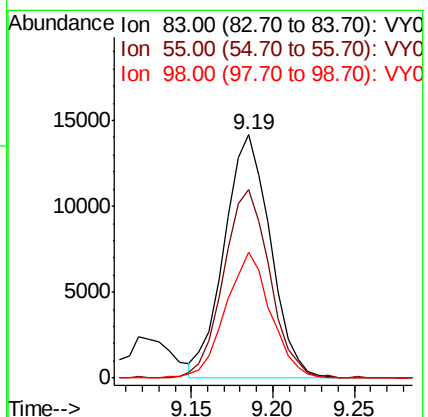
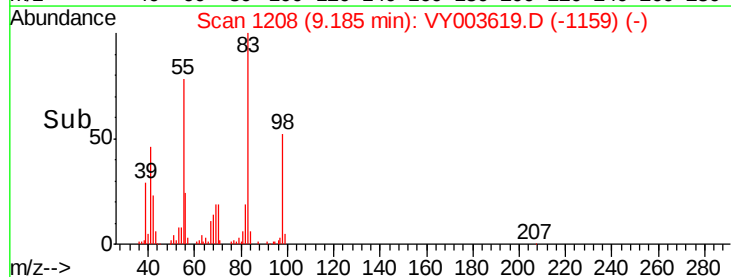
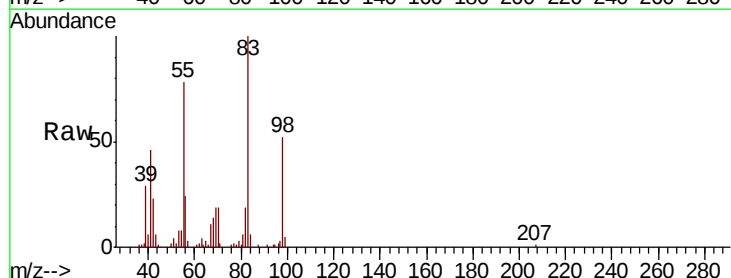
Tgt Ion: 83 Resp: 27908

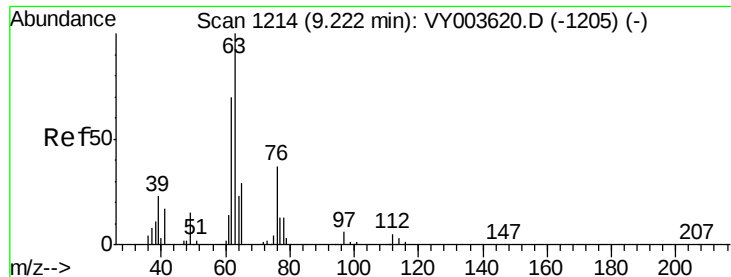
Ion Ratio Lower Upper

83 100

55 77.5 58.3 87.5

98 50.6 39.0 58.6





#37

1,2-Dichloropropane

Concen: 5.138 ug/L

RT: 9.22 min Scan# 1213

Delta R.T. -0.01 min

Lab File: VY003619.D

Acq: 25 Nov 2020 12:49

Instrument :

MSVOA_Y

ClientSampleId :

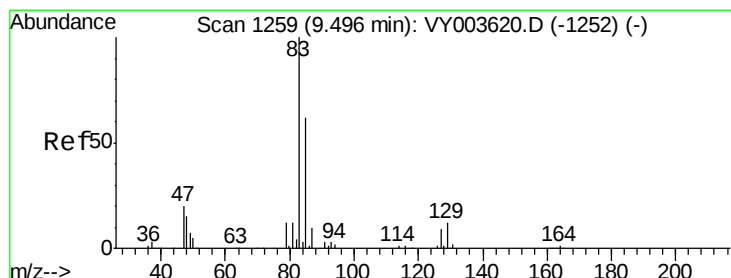
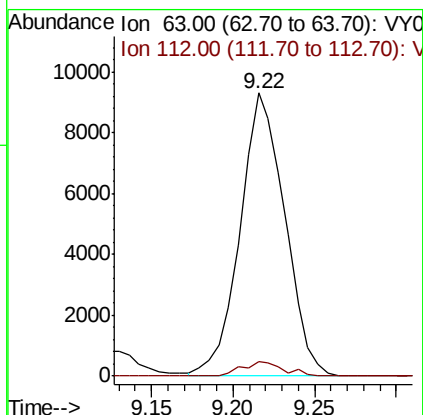
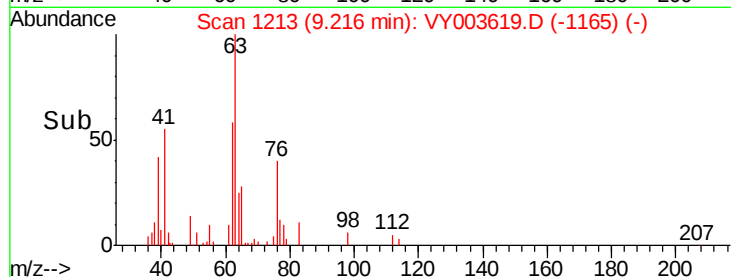
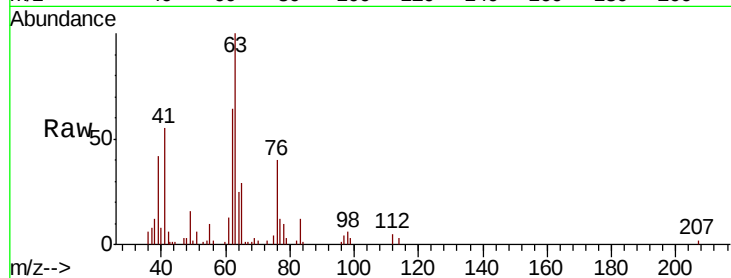
VSTD005404

Tot Ion: 63 Resp: 17757

Ion Ratio Lower Upper

63 100

112 4.7 3.7 5.5



#38

Bromodichloromethane

Concen: 5.044 ug/L

RT: 9.50 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VY003619.D

Acq: 25 Nov 2020 12:49

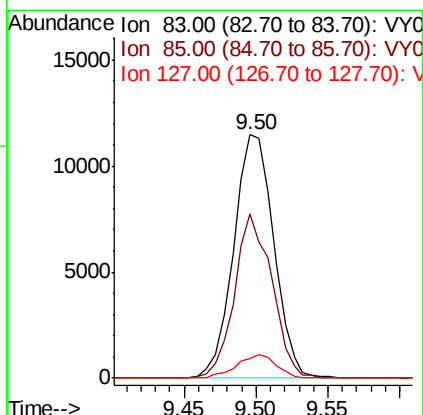
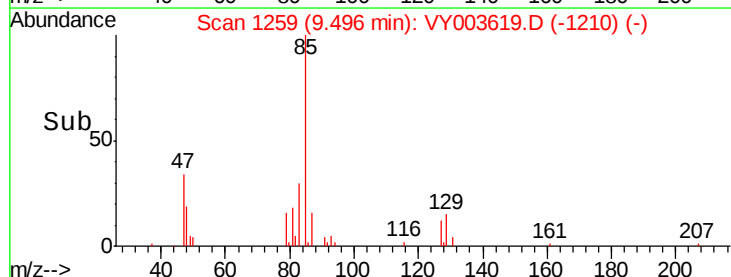
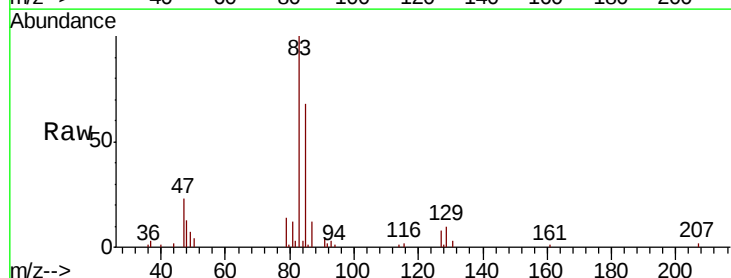
Tgt Ion: 83 Resp: 22231

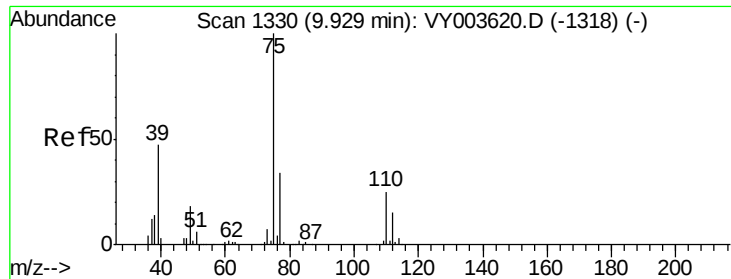
Ion Ratio Lower Upper

83 100

85 67.7 43.1 80.1

127 8.1 7.1 10.7

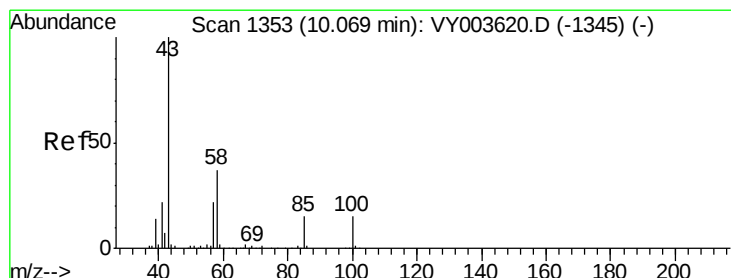
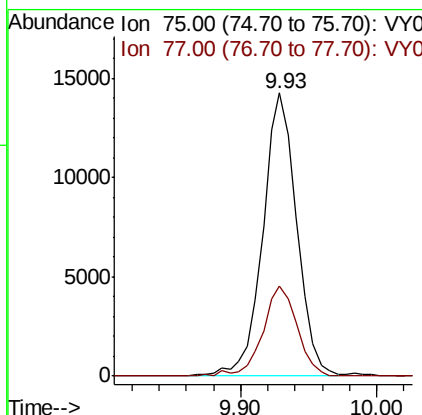
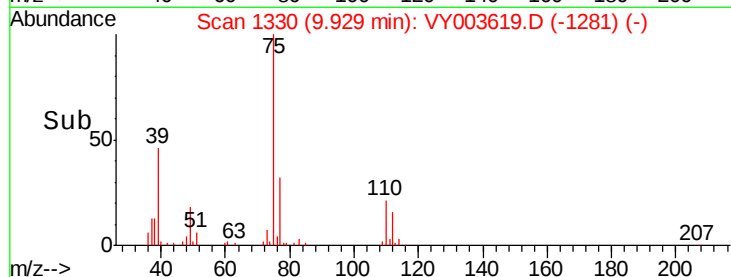
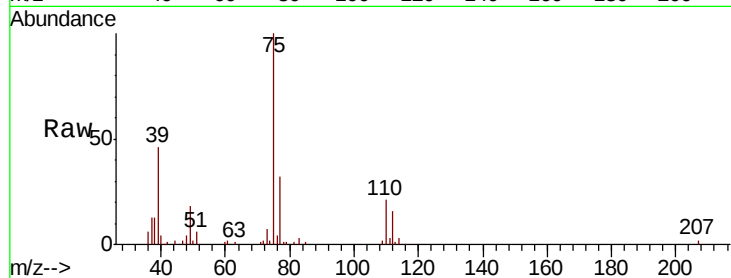




#39
 cis-1,3-Dichloropropene
 Concen: 4.605 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VY003619.D
 Acq: 25 Nov 2020 12:49

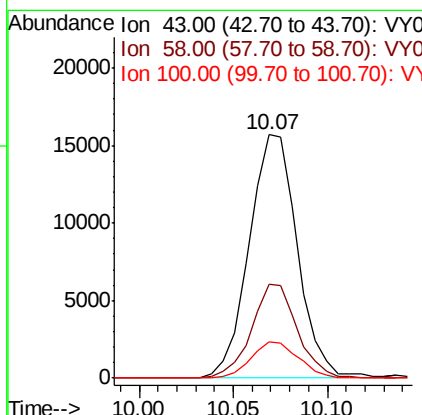
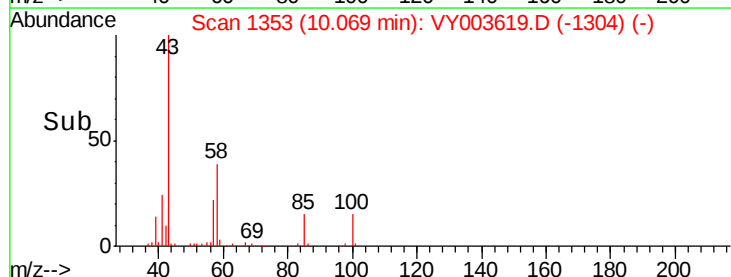
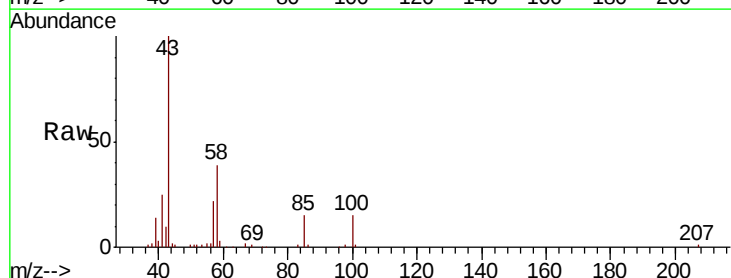
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005404

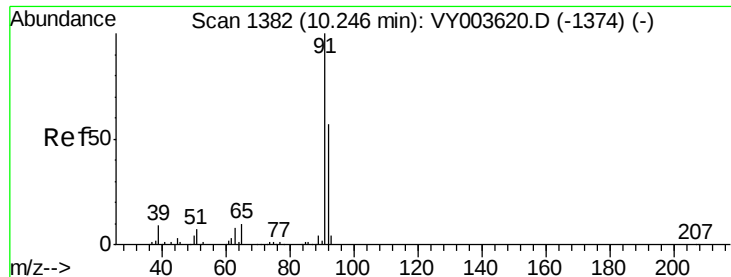
Tot Ion: 75 Resp: 24914
 Ion Ratio Lower Upper
 75 100
 77 31.9 23.5 43.7



#40
 4-Methyl-2-pentanone
 Concen: 9.076 ug/L
 RT: 10.07 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: VY003619.D
 Acq: 25 Nov 2020 12:49

Tgt Ion: 43 Resp: 27709
 Ion Ratio Lower Upper
 43 100
 58 36.7 30.7 46.1
 100 14.8 12.1 18.1





#42

Toluene

Concen: 4.845 ug/L

RT: 10.24 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VY003619.D

Acq: 25 Nov 2020 12:49

Instrument :

MSVOA_Y

ClientSampleId :

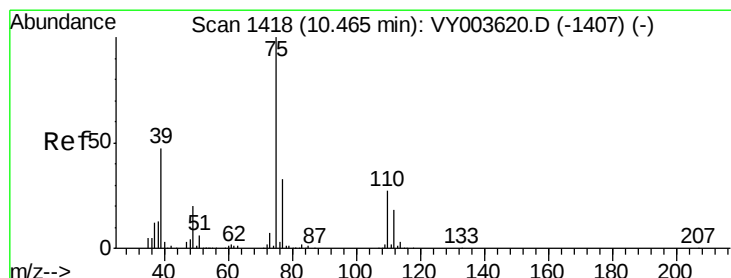
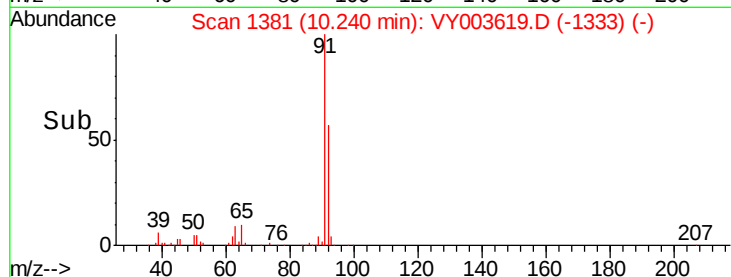
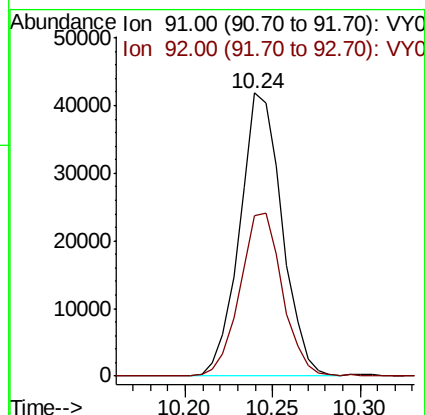
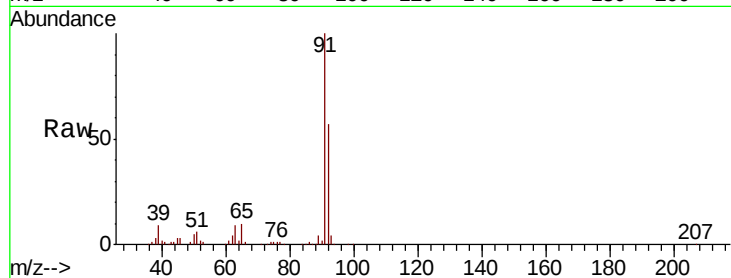
VSTD005404

Tot Ion: 91 Resp: 70399

Ion Ratio Lower Upper

91 100

92 56.6 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 4.916 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003619.D

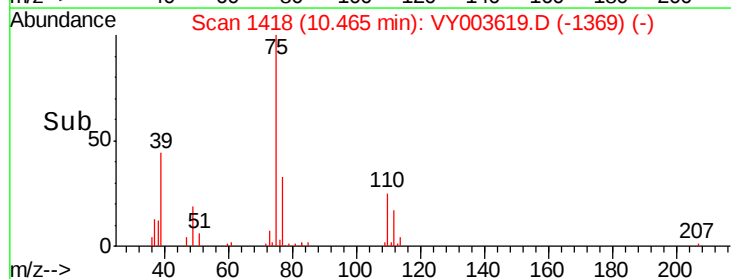
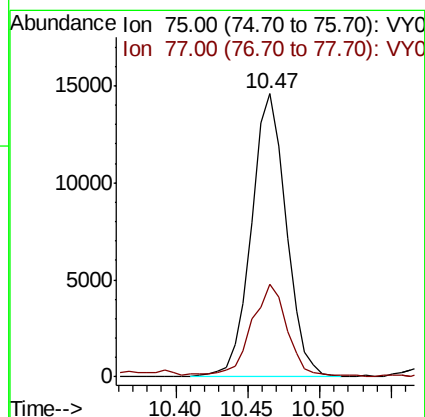
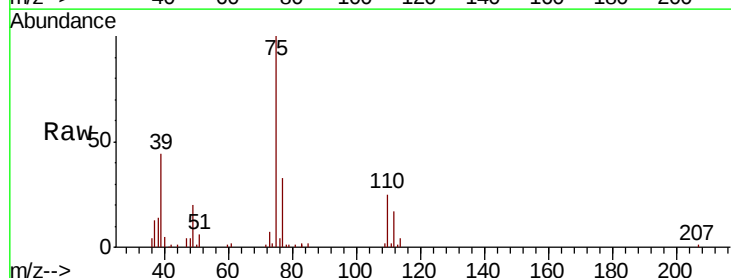
Acq: 25 Nov 2020 12:49

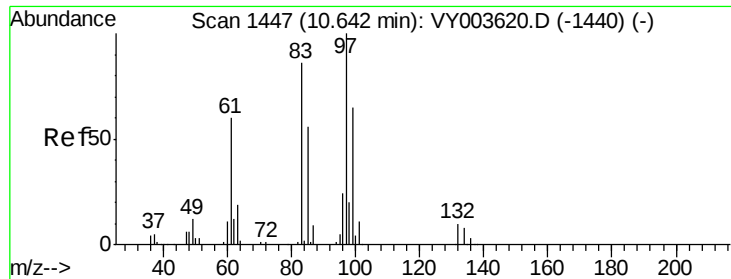
Tgt Ion: 75 Resp: 24403

Ion Ratio Lower Upper

75 100

77 32.5 22.9 42.5

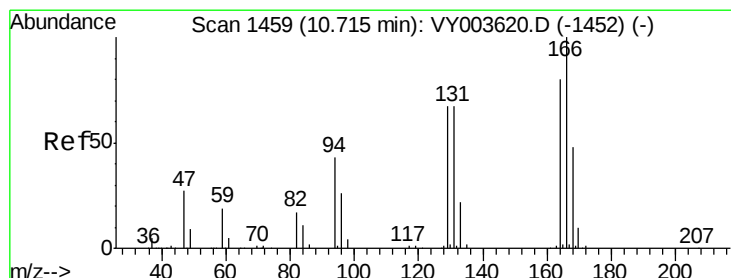
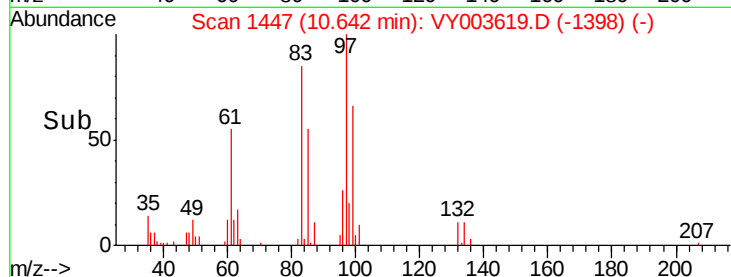
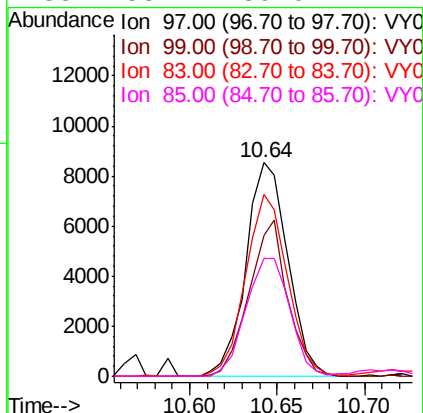
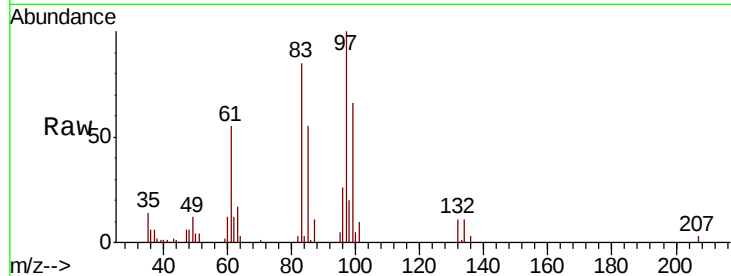




#45
1,1,2-Trichloroethane
Concen: 4.939 ug/L
RT: 10.64 min Scan# 1447
Delta R.T. 0.00 min
Lab File: VY003619.D
Acq: 25 Nov 2020 12:49

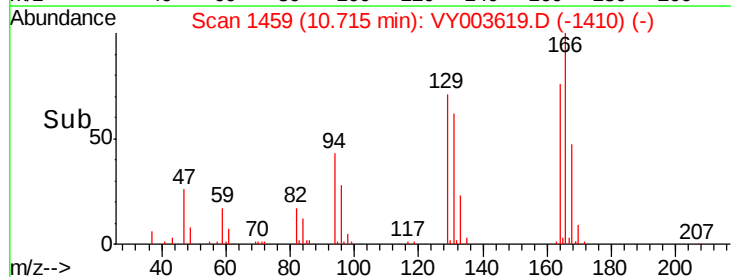
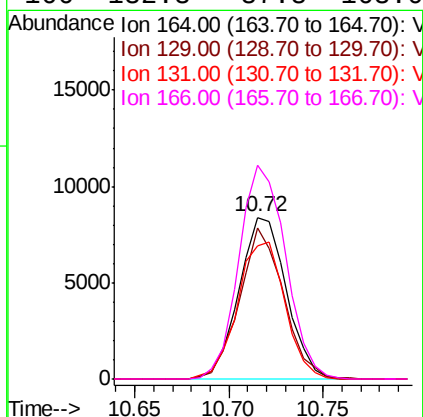
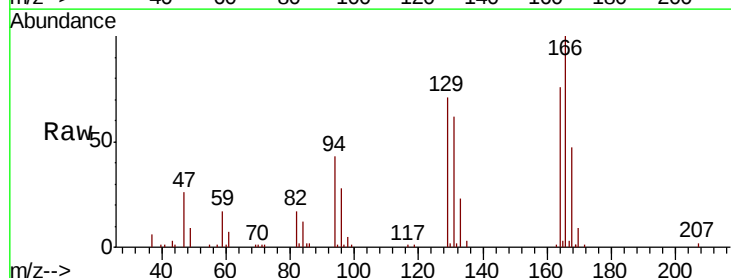
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005404

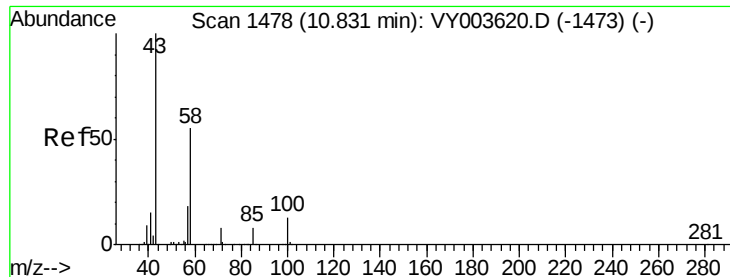
Tot Ion: 97 Resp: 14201
Ion Ratio Lower Upper
97 100
99 65.7 45.1 83.9
83 85.1 59.7 110.9
85 55.4 39.0 72.4



#46
Tetrachloroethene
Concen: 4.922 ug/L
RT: 10.72 min Scan# 1459
Delta R.T. 0.00 min
Lab File: VY003619.D
Acq: 25 Nov 2020 12:49

Tgt Ion: 164 Resp: 14646
Ion Ratio Lower Upper
164 100
129 93.4 58.9 109.5
131 82.4 59.0 109.6
166 132.3 87.8 163.0

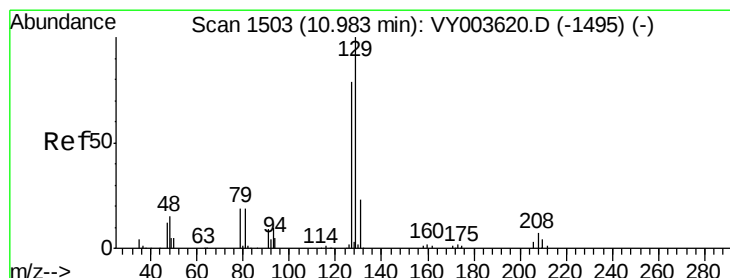
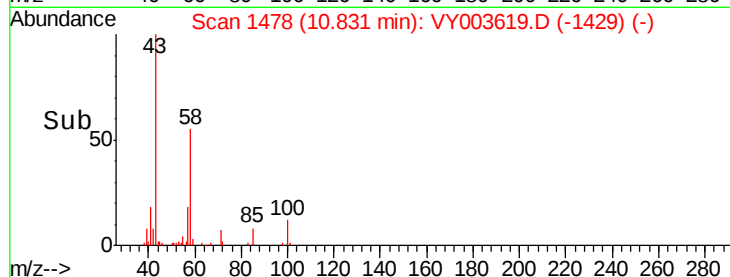
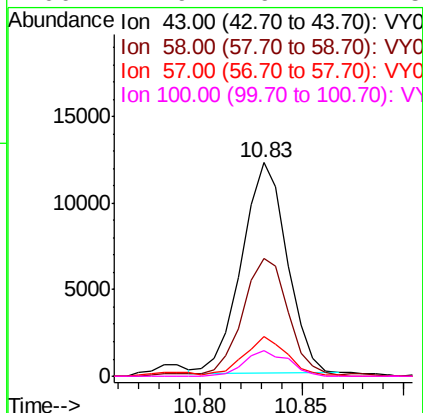
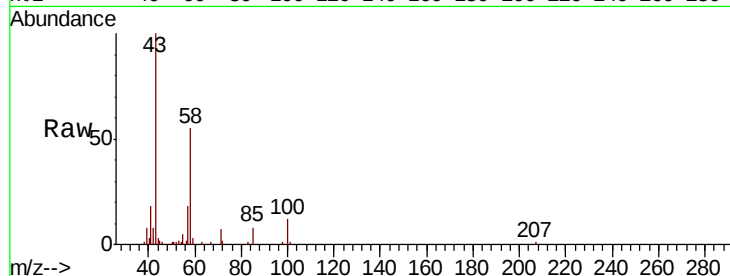




#48
2-Hexanone
Concen: 8.676 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VY003619.D
Acq: 25 Nov 2020 12:49

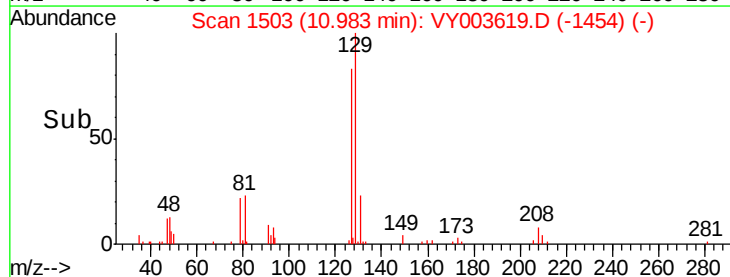
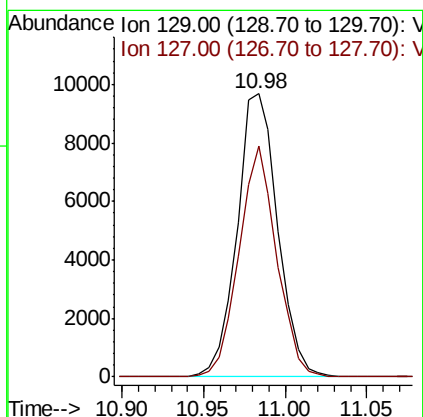
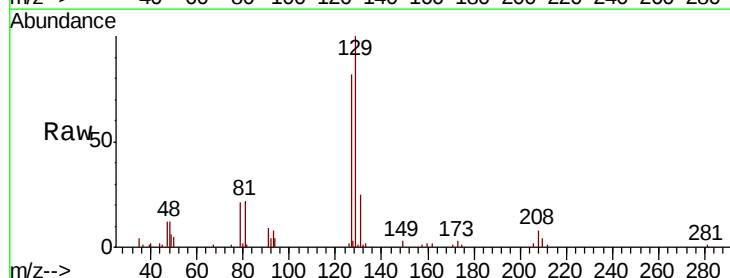
Instrument :
MSVOA_Y
ClientSampled :
VSTD005404

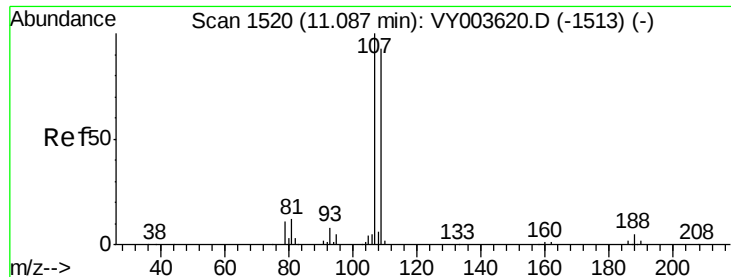
Tot Ion:	43	Resp:	18895
Ion	Ratio	Lower	Upper
43	100		
58	56.1	43.0	64.6
57	18.0	14.6	21.8
100	11.9	9.7	14.5



#49
Dibromochloromethane
Concen: 4.964 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. 0.00 min
Lab File: VY003619.D
Acq: 25 Nov 2020 12:49

Tgt Ion:	129	Resp:	16762
Ion	Ratio	Lower	Upper
129	100		
127	84.9	55.0	102.2

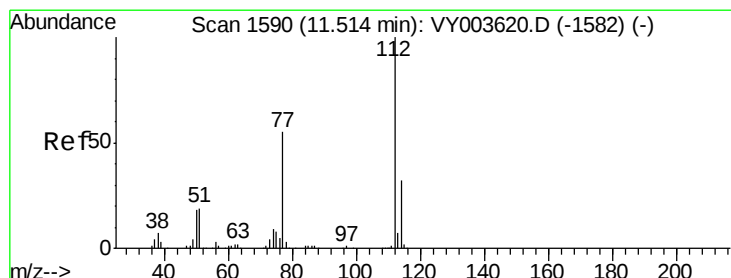
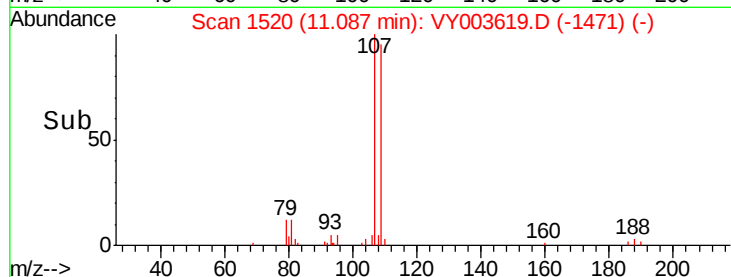
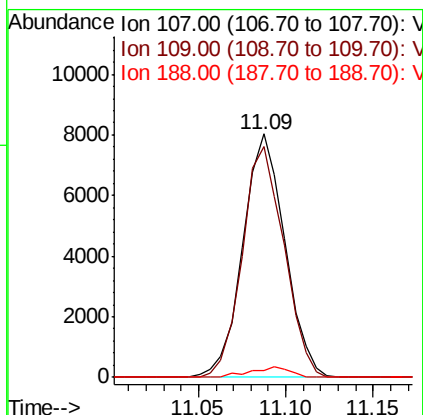
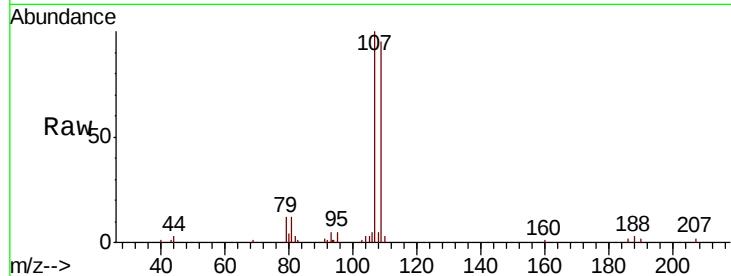




#50
1,2-Dibromoethane
Concen: 4.864 ug/L
RT: 11.09 min Scan# 1520
Delta R.T. 0.00 min
Lab File: VY003619.D
Acq: 25 Nov 2020 12:49

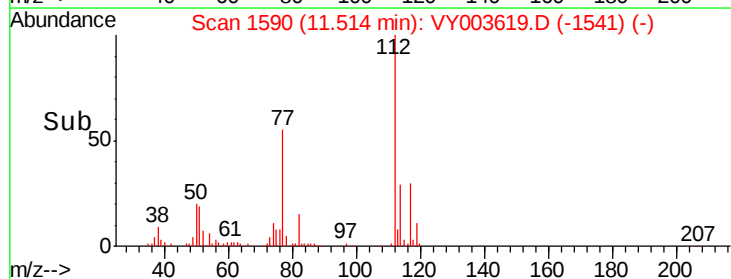
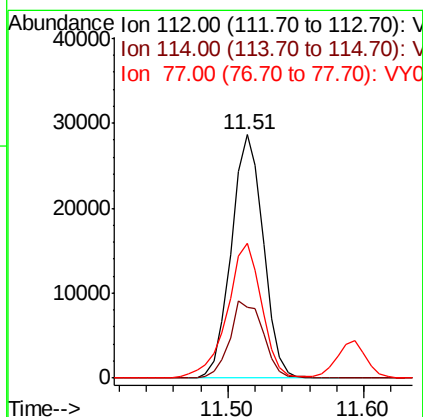
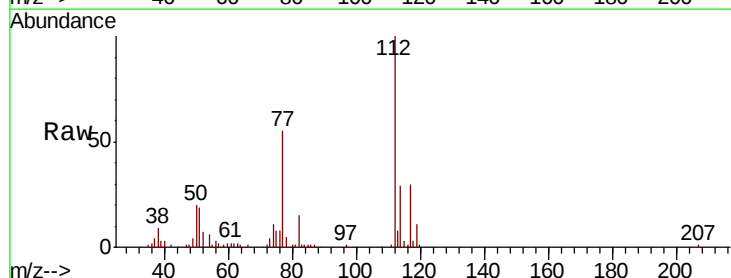
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005404

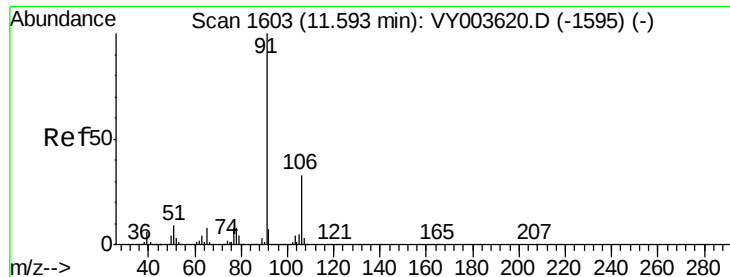
Tot Ion:107 Resp: 13451
Ion Ratio Lower Upper
107 100
109 94.8 65.5 121.7
188 2.6 3.8 5.8#



#51
Chlorobenzene
Concen: 5.099 ug/L
RT: 11.51 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VY003619.D
Acq: 25 Nov 2020 12:49

Tgt Ion:112 Resp: 47056
Ion Ratio Lower Upper
112 100
114 29.3 22.2 41.2
77 55.4 43.8 65.6





#52

Ethylbenzene

Concen: 4.873 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003619.D

Acq: 25 Nov 2020 12:49

Instrument :

MSVOA_Y

ClientSampled :

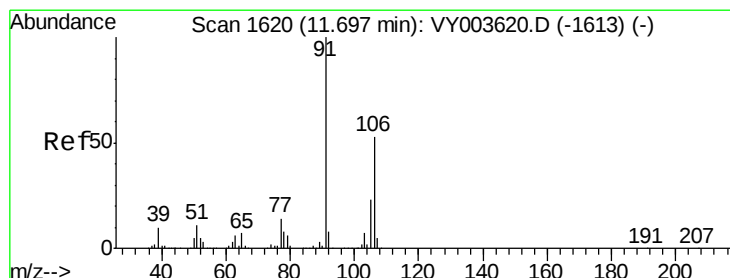
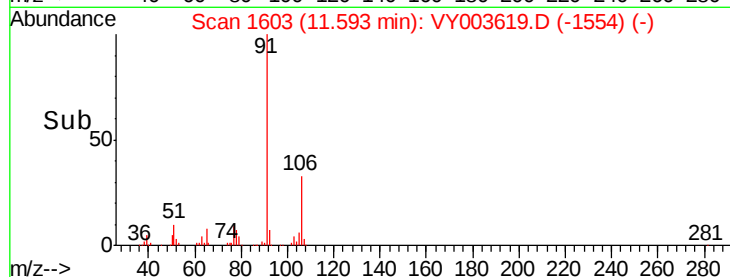
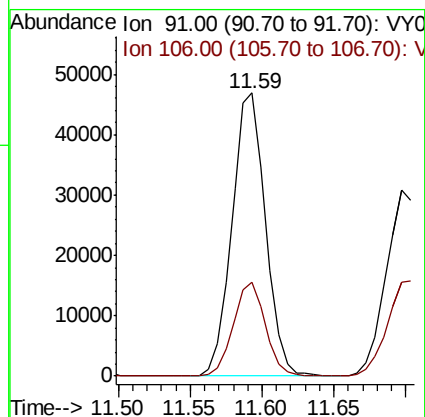
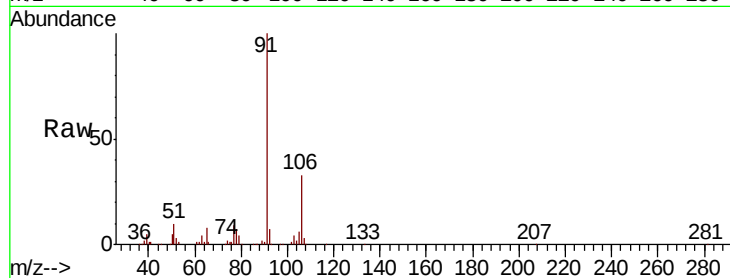
VSTD005404

Tot Ion: 91 Resp: 76064

Ion Ratio Lower Upper

91 100

106 33.1 22.8 42.4



#53

m,p-Xylene

Concen: 4.737 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.01 min

Lab File: VY003619.D

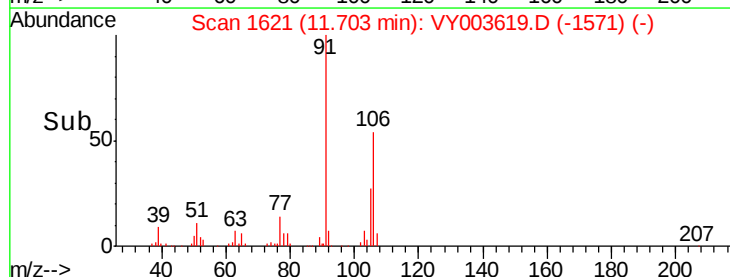
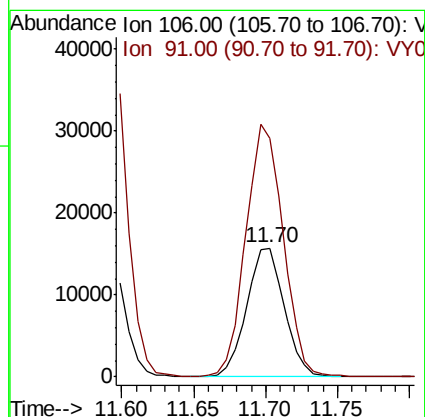
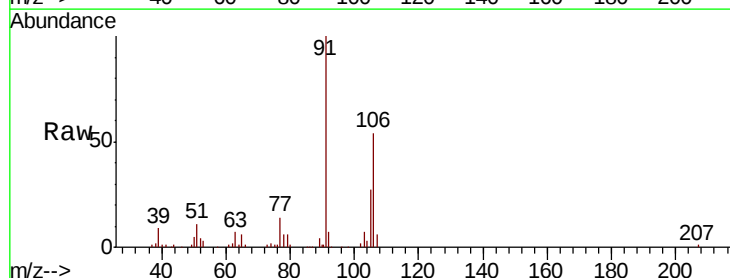
Acq: 25 Nov 2020 12:49

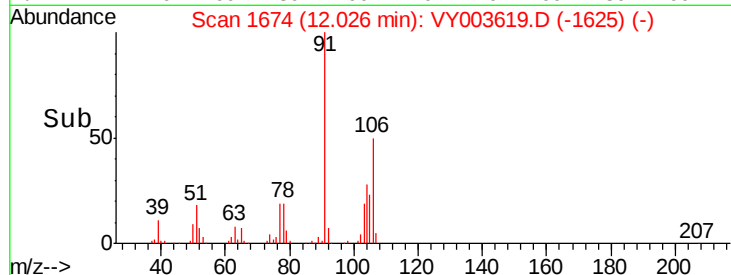
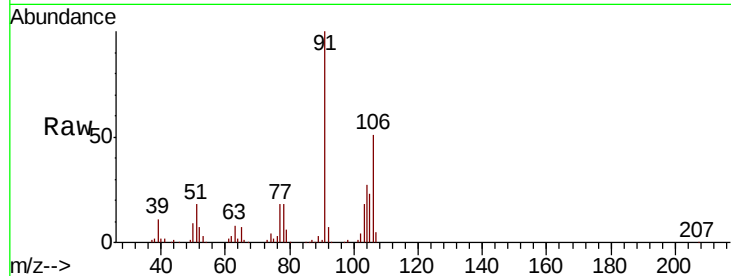
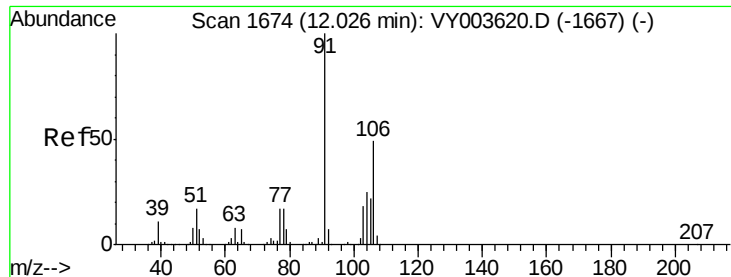
Tgt Ion: 106 Resp: 28332

Ion Ratio Lower Upper

106 100

91 184.9 133.1 247.3

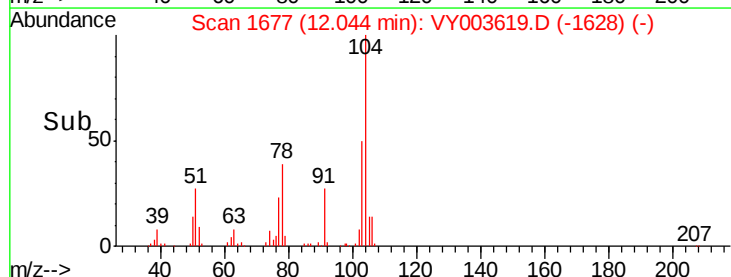
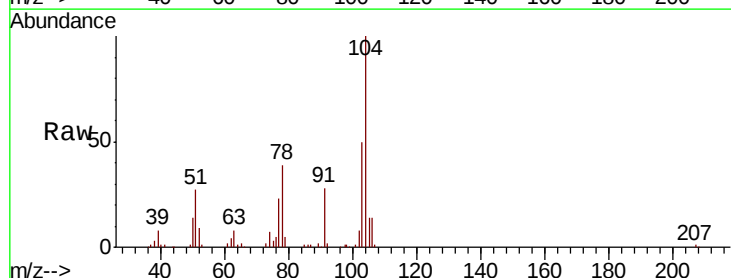
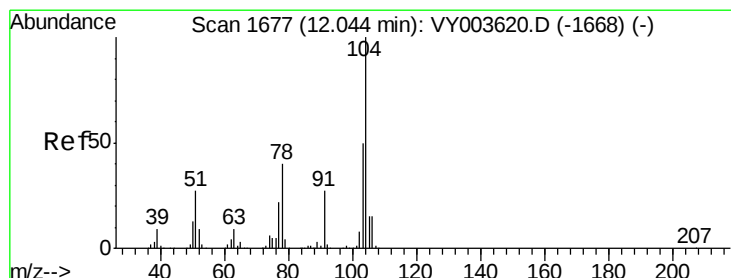
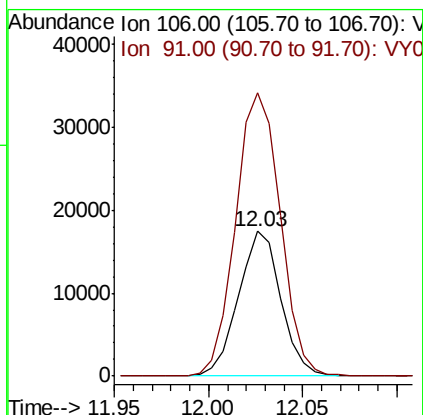




#54
o-Xylene
Concen: 4.781 ug/L
RT: 12.03 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VY003619.D
Acq: 25 Nov 2020 12:49

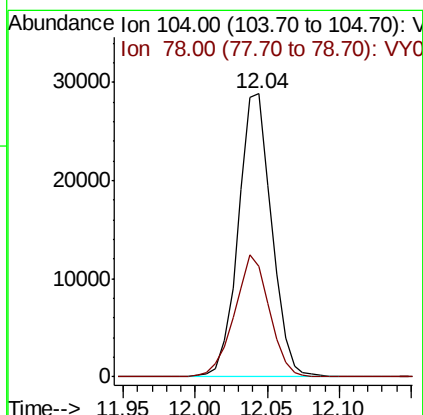
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005404

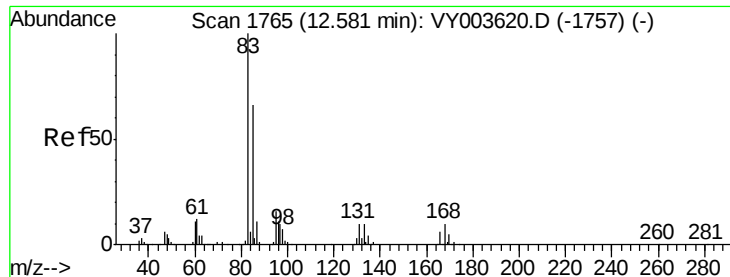
Tot Ion:106 Resp: 27214
Ion Ratio Lower Upper
106 100
91 195.2 144.1 267.5



#55
Styrene
Concen: 4.744 ug/L
RT: 12.04 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VY003619.D
Acq: 25 Nov 2020 12:49

Tgt Ion:104 Resp: 46296
Ion Ratio Lower Upper
104 100
78 39.2 27.6 51.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.000 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VY003619.D

Acq: 25 Nov 2020 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005404

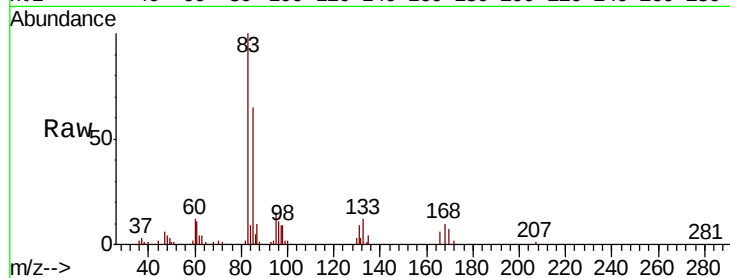
Tot Ion: 83 Resp: 18987

Ion	Ratio	Lower	Upper
83	100		
85	65.4	46.1	85.7
131	11.1	8.1	12.1

83 100

85 65.4 46.1 85.7

131 11.1 8.1 12.1



Abundance Ion 83.00 (82.70 to 83.70): VY003620.D (-1757) (-)

Ion 85.00 (84.70 to 85.70): VY003620.D (-1757) (-)

Ion 131.00 (130.70 to 131.70): VY003620.D (-1757) (-)

12.58

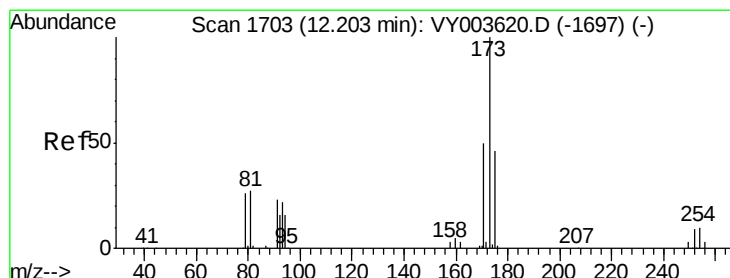
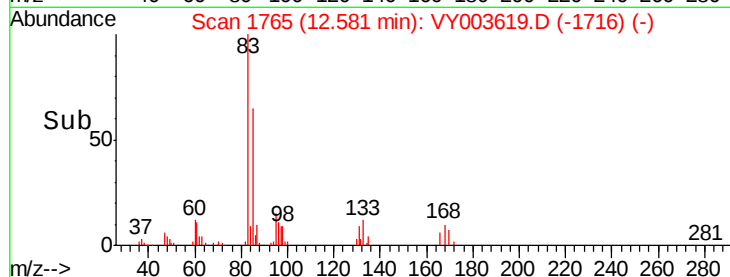
10000

5000

0

12.55 12.60

Time-->



#59

Bromoform

Concen: 5.011 ug/L

RT: 12.20 min Scan# 1703

Delta R.T. 0.00 min

Lab File: VY003619.D

Acq: 25 Nov 2020 12:49

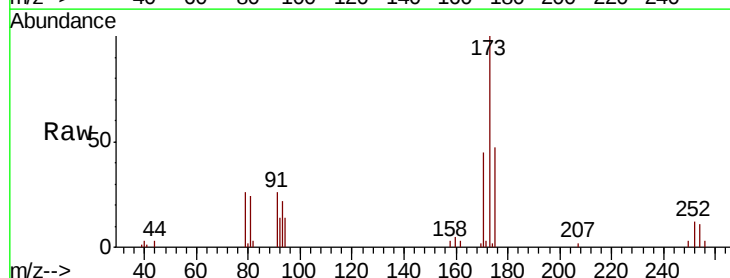
Tgt Ion: 173 Resp: 11089

Ion	Ratio	Lower	Upper
173	100		
175	48.4	38.2	57.4
254	10.6	8.0	12.0

173 100

175 48.4 38.2 57.4

254 10.6 8.0 12.0



Abundance Ion 173.00 (172.70 to 173.70): VY003620.D (-1697) (-)

Ion 175.00 (174.70 to 175.70): VY003620.D (-1697) (-)

Ion 254.00 (253.70 to 254.70): VY003620.D (-1697) (-)

12.20

8000

6000

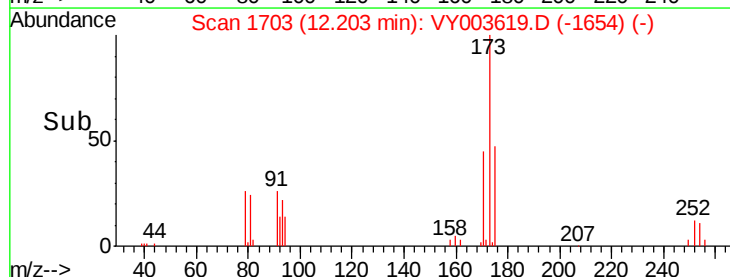
4000

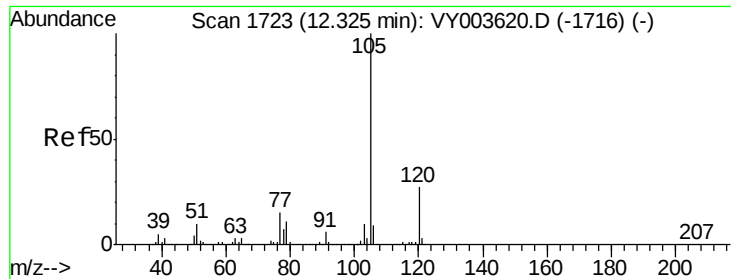
2000

0

12.15 12.20 12.25

Time-->

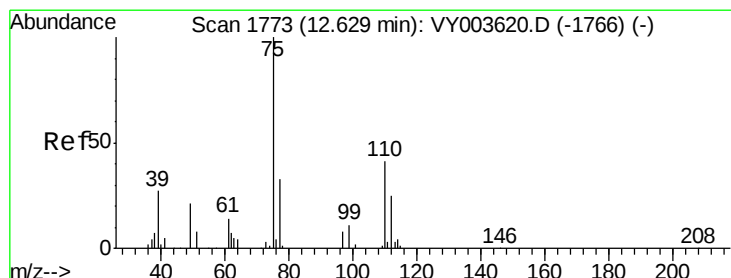
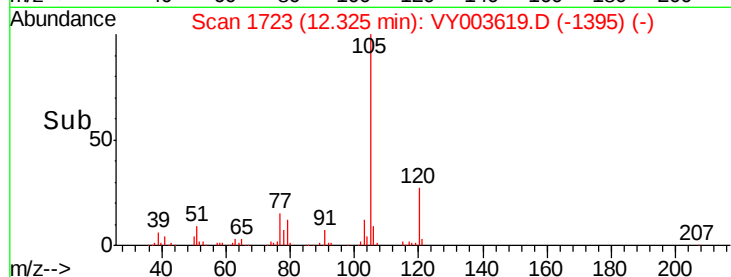
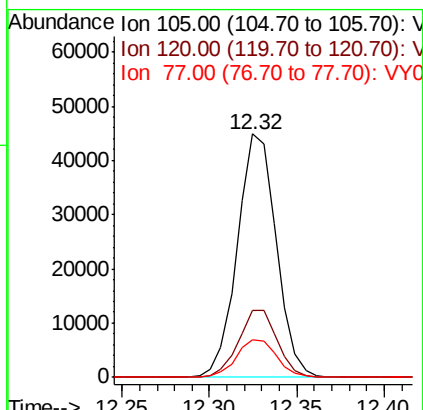
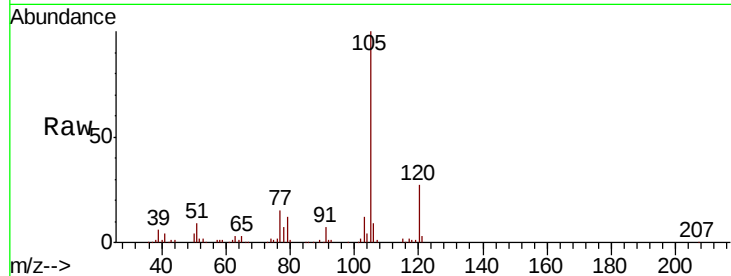




#60
Isopropylbenzene
Concen: 4.772 ug/L
RT: 12.32 min Scan# 1723
Delta R.T. 0.00 min
Lab File: VY003619.D
Acq: 25 Nov 2020 12:49

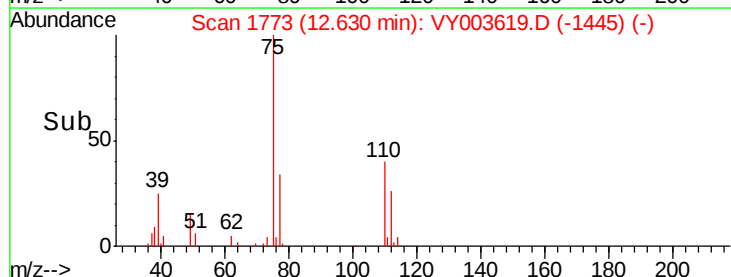
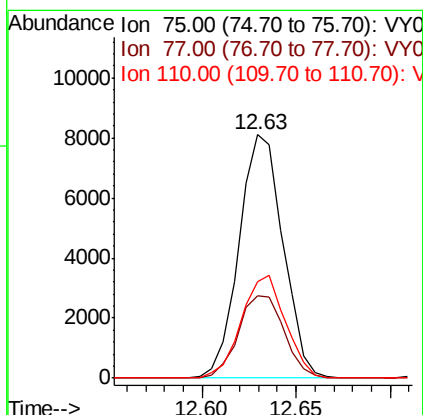
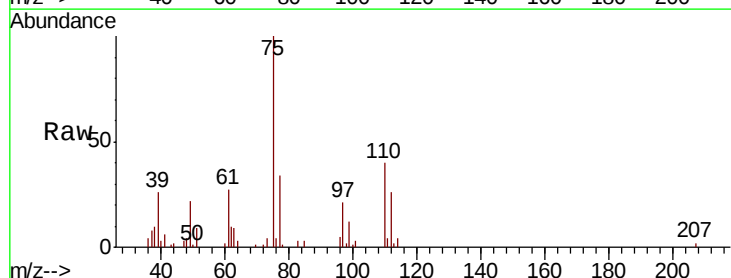
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005404

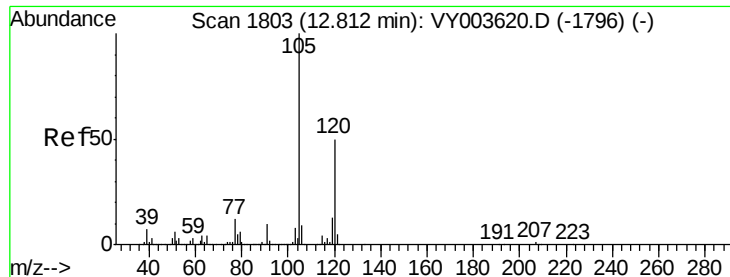
Tot Ion	Ratio	Lower	Upper
105	100		
120	27.9	22.0	33.0
77	15.9	12.1	18.1



#61
1,2,3-Trichloropropane
Concen: 4.935 ug/L
RT: 12.63 min Scan# 1773
Delta R.T. 0.00 min
Lab File: VY003619.D
Acq: 25 Nov 2020 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	35.1	26.3	39.5
110	42.3	33.0	49.4





#62

1,3,5-Trimethylbenzene

Concen: 4.706 ug/L

RT: 12.81 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VY003619.D

Acq: 25 Nov 2020 12:49

Instrument :

MSVOA_Y

ClientSampleId :

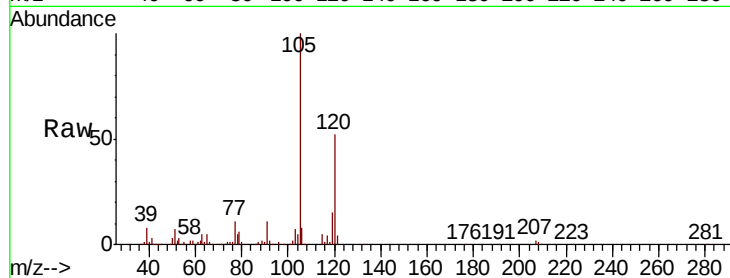
VSTD005404

Tot Ion:105 Resp: 54044

Ion Ratio Lower Upper

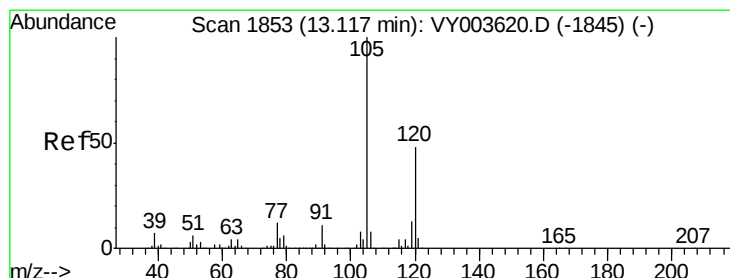
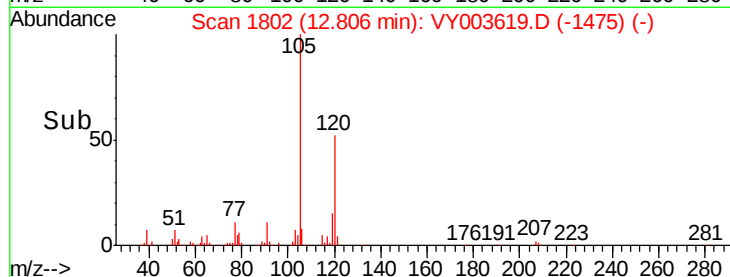
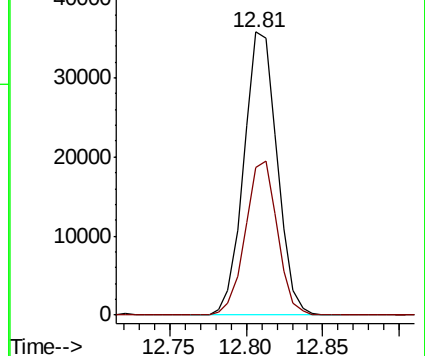
105 100

120 52.5 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: 4.645 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VY003619.D

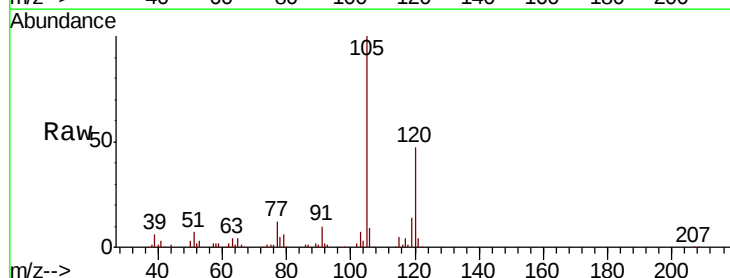
Acq: 25 Nov 2020 12:49

Tgt Ion:105 Resp: 52412

Ion Ratio Lower Upper

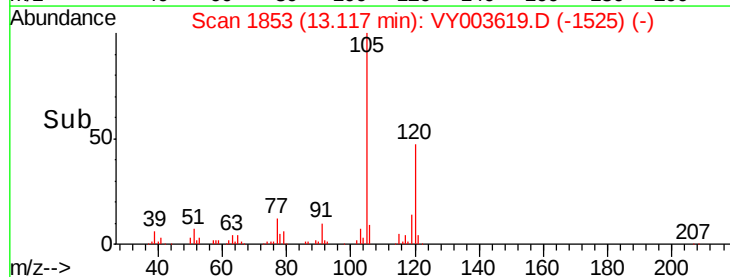
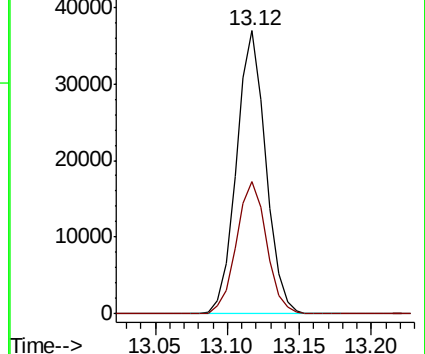
105 100

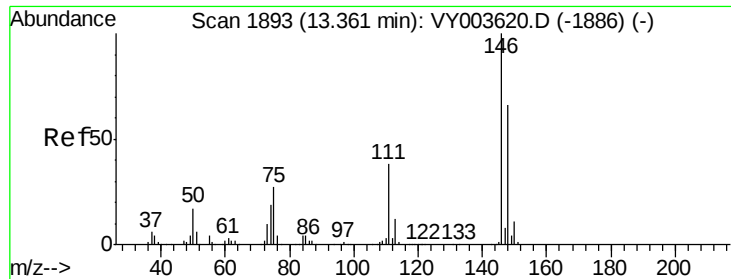
120 47.9 38.0 57.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

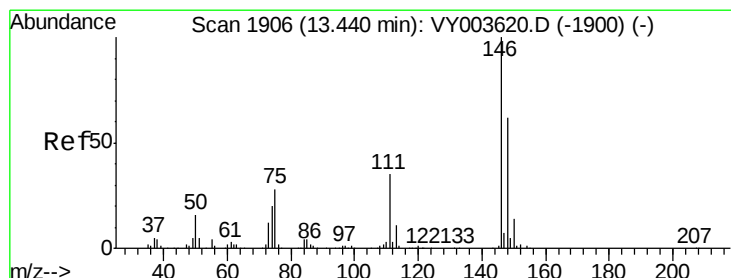
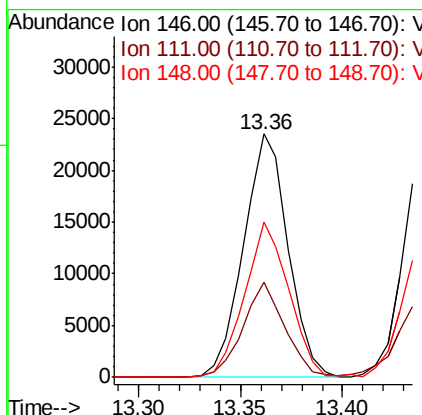
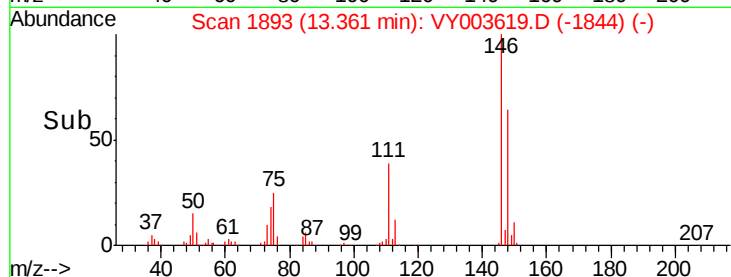
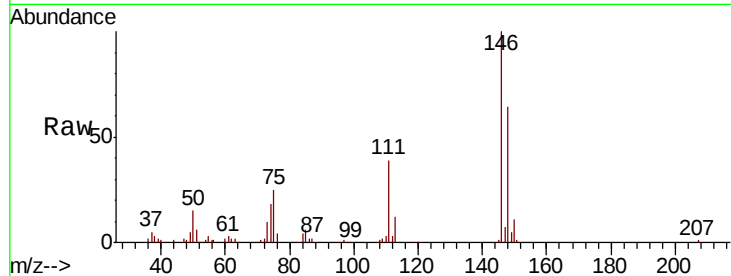




#64
 1,3-Dichlorobenzene
 Concen: 5.136 ug/L
 RT: 13.36 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VY003619.D
 Acq: 25 Nov 2020 12:49

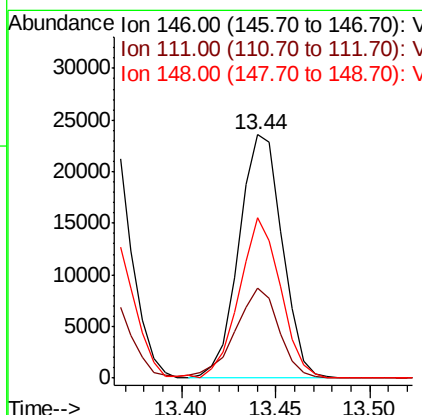
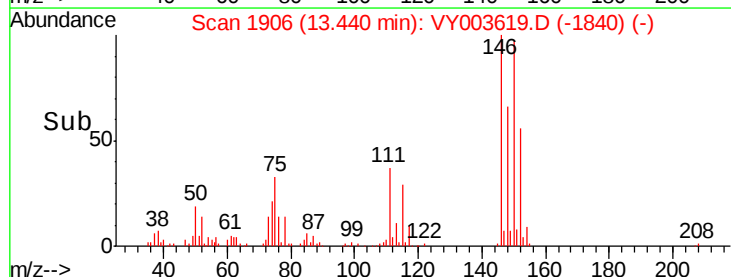
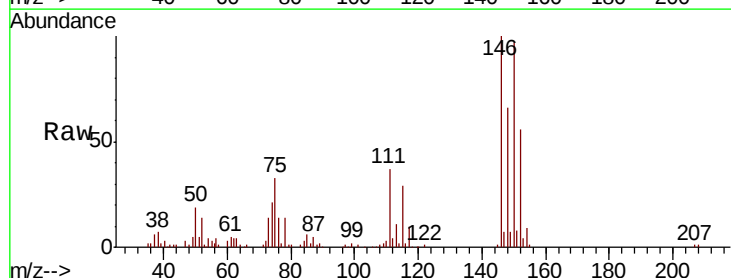
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005404

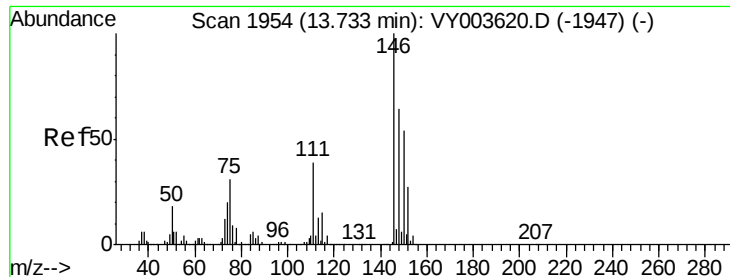
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	26.6	49.4
148	64.0	46.3	86.1



#65
 1,4-Dichlorobenzene
 Concen: 5.281 ug/L
 RT: 13.44 min Scan# 1906
 Delta R.T. 0.00 min
 Lab File: VY003619.D
 Acq: 25 Nov 2020 12:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	24.7	45.9
148	66.1	43.4	80.6

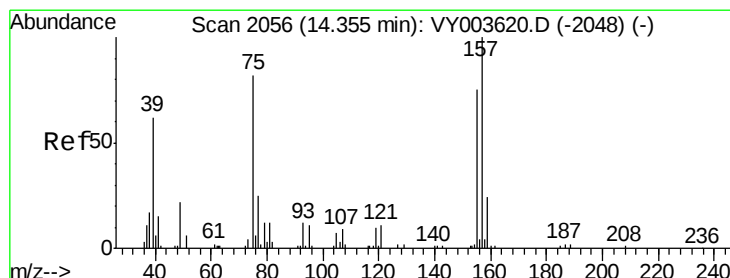
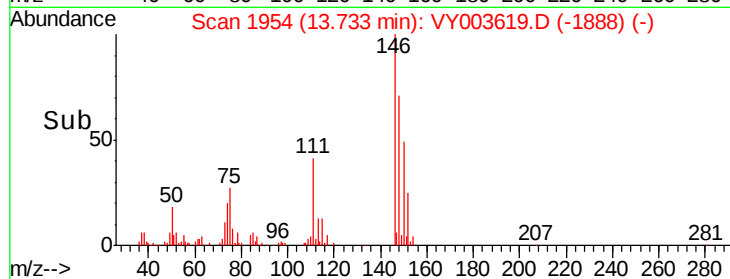
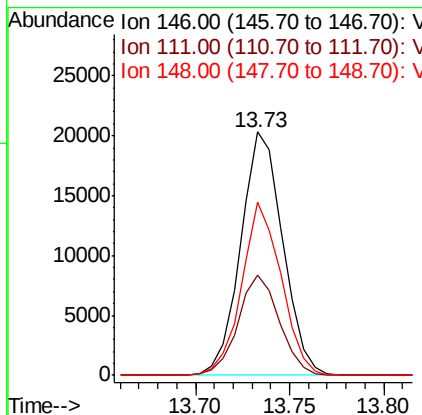
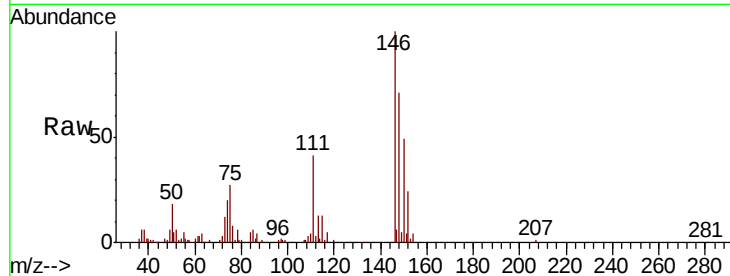




#67
 1,2-Dichlorobenzene
 Concen: 4.896 ug/L
 RT: 13.73 min Scan# 1954
 Delta R.T. 0.00 min
 Lab File: VY003619.D
 Acq: 25 Nov 2020 12:49

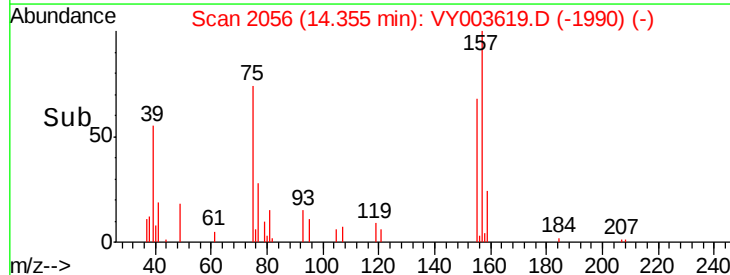
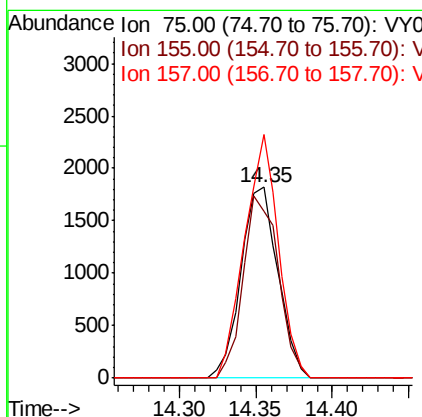
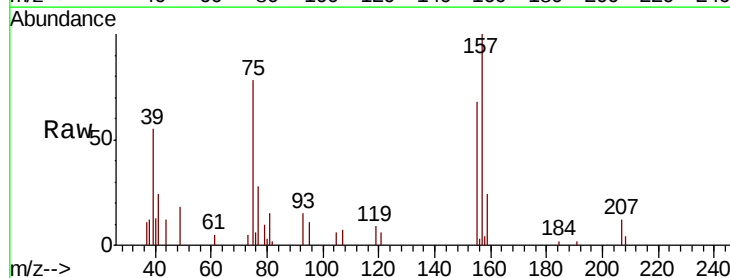
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005404

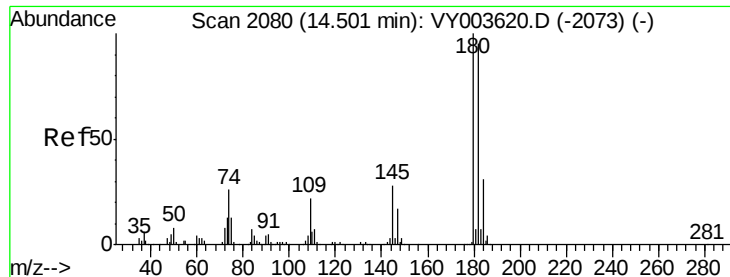
Tot Ion:146 Resp: 31478
 Ion Ratio Lower Upper
 146 100
 111 40.9 31.0 46.6
 148 71.4 51.0 76.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.063 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. 0.00 min
 Lab File: VY003619.D
 Acq: 25 Nov 2020 12:49

Tgt Ion: 75 Resp: 3055
 Ion Ratio Lower Upper
 75 100
 155 87.2 73.4 110.0
 157 127.7 98.1 147.1

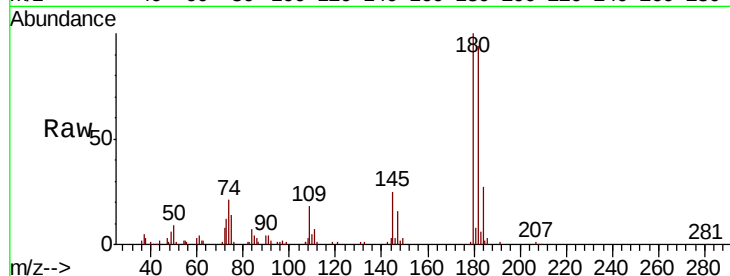




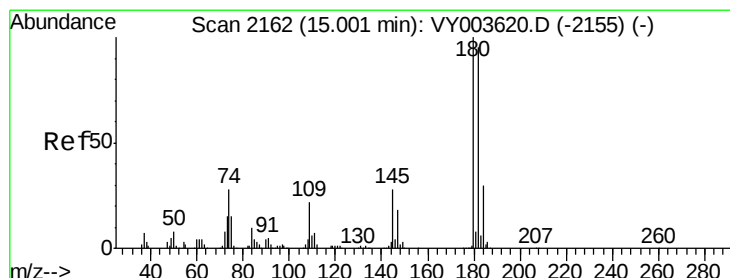
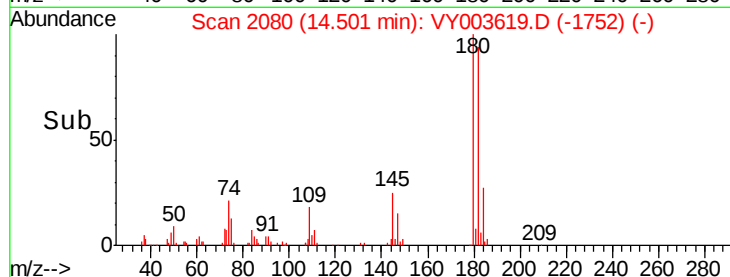
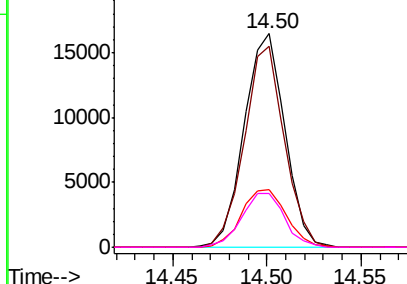
#69
 1,3,5-Trichlorobenzene
 Concen: 5.138 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VY003619.D
 Acq: 25 Nov 2020 12:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005404

Tot Ion:180	Resp:	24633	
Ion Ratio	Lower	Upper	
180 100			
182 93.0	75.4	113.0	
184 30.0	24.1	36.1	
145 26.9	22.4	33.6	

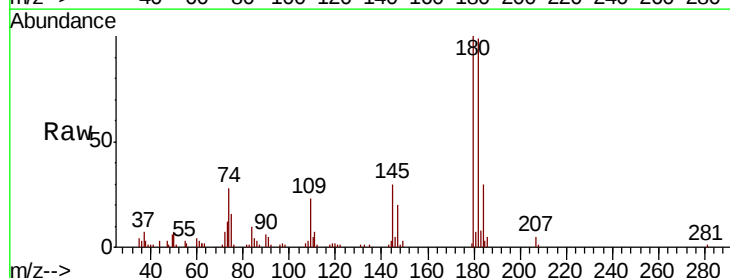


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

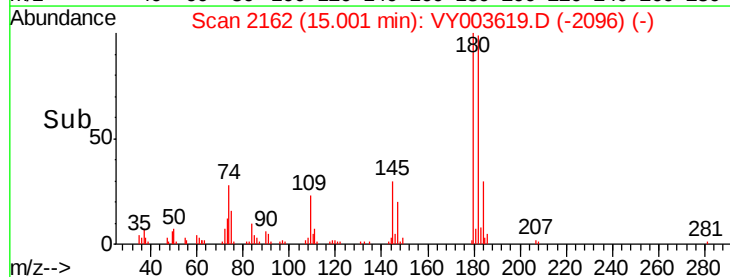
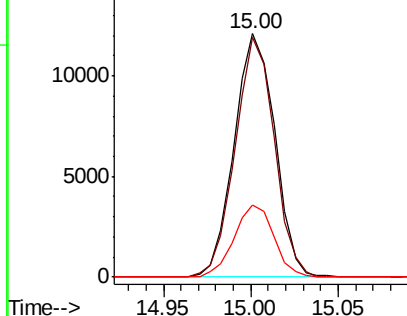


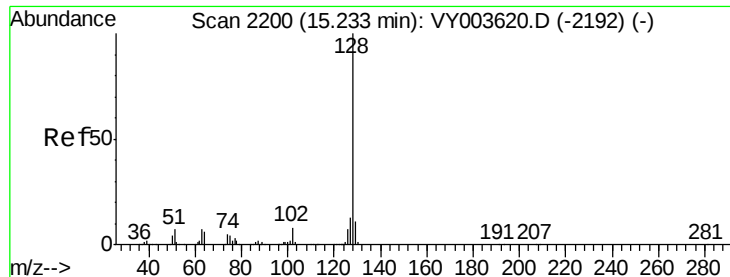
#70
 1,2,4-trichlorobenzene
 Concen: 4.753 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. 0.00 min
 Lab File: VY003619.D
 Acq: 25 Nov 2020 12:49

Tgt Ion:180	Resp: 19623
Ion Ratio	Lower Upper
180 100	
182 94.6	76.1 114.1
145 28.8	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

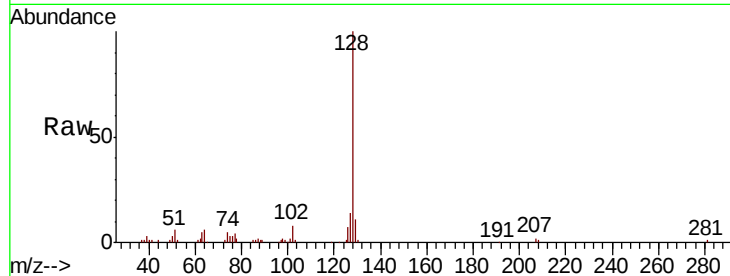




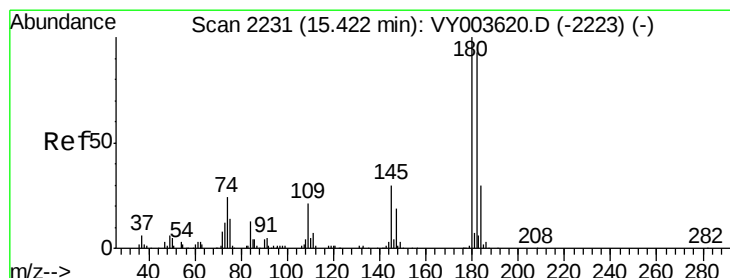
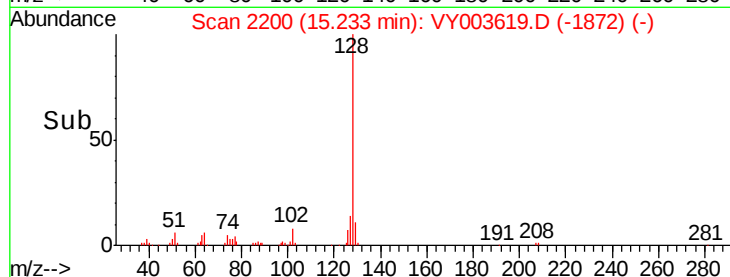
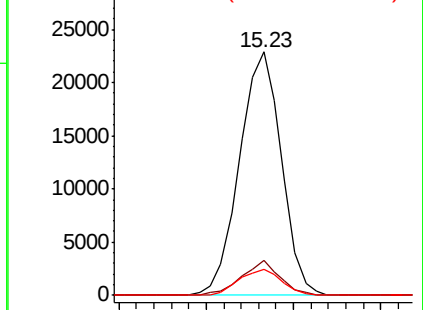
#71
Naphthalene
Concen: 4.442 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VY003619.D
Acq: 25 Nov 2020 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTD005404

Tot Ion:128 Resp: 38189
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.0 8.5 12.7

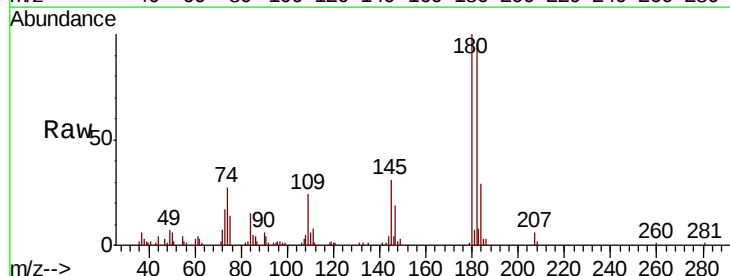


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 4.929 ug/L
RT: 15.42 min Scan# 2230
Delta R.T. -0.01 min
Lab File: VY003619.D
Acq: 25 Nov 2020 12:49

Tgt Ion:180 Resp: 18661
Ion Ratio Lower Upper
180 100
182 93.8 76.2 114.4
145 29.2 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

