

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120120\
 Data File : VY003629.D
 Acq On : 01 Dec 2020 11:12
 Operator : SY/MD
 Sample : VSTD00536
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005405

Quant Time: Dec 01 11:56:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120120SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 01 11:48:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	252286	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	232373	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	118723	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	18765	5.18	ug/L	0.00
7) Chloroethane-d5	2.77	69	14080	5.03	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.86	63	34099	4.88	ug/L	0.00
21) 2-Butanone-d5	6.91	46	13758	10.12	ug/L	0.00
24) Chloroform-d	7.49	84	32308	4.89	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	17222	4.65	ug/L	0.00
32) Benzene-d6	8.11	84	67192	4.95	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.12	67	20104	4.96	ug/L	0.00
41) Toluene-d8	10.18	98	60256	4.95	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.43	79	8937	4.55	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	9946	9.84	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	19740	4.87	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	20895	4.87	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	14973	4.967 ug/L	98
3) Chloromethane	2.11	50	16311	4.743 ug/L	99
5) Vinyl chloride	2.25	62	17469	4.754 ug/L	92
6) Bromomethane	2.65	94	10678	4.384 ug/L	98
8) Chloroethane	2.80	64	11083	5.048 ug/L	97
9) Trichlorofluoromethane	3.13	101	25933	4.670 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	9516	2.734 ug/L #	35
12) 1,1-Dichloroethene	3.88	96	15986	4.878 ug/L	95
13) Acetone	3.96	43	9937	8.973 ug/L	91
14) Carbon disulfide	4.20	76	54181	4.853 ug/L #	93
15) Methyl Acetate	4.48	43	12196	5.133 ug/L	100
16) Methylene chloride	4.73	84	22721	4.519 ug/L	92
17) trans-1,2-Dichloroethene	5.23	96	17978	5.059 ug/L	88
18) Methyl tert-butyl Ether	5.23	73	42205	4.819 ug/L #	92
19) 1,1-Dichloroethane	6.03	63	30125	4.870 ug/L	100
20) cis-1,2-Dichloroethene	6.99	96	18534	4.878 ug/L	91
22) 2-Butanone	7.00	43	16978	10.143 ug/L	98
23) Bromochloromethane	7.34	128	9109	4.896 ug/L	90
25) Chloroform	7.51	83	30225	4.862 ug/L	94
27) 1,2-Dichloroethane	8.24	62	19816	4.799 ug/L	99
29) Cyclohexane	7.79	56	26774	4.781 ug/L	98
30) 1,1,1-Trichloroethane	7.71	97	26546	4.819 ug/L	97
31) Carbon tetrachloride	7.90	117	24183	4.844 ug/L	99
33) Benzene	8.17	78	71367	4.999 ug/L	100
34) Trichloroethene	8.94	95	18021	5.075 ug/L	95
35) Methylcyclohexane	9.19	83	29598	4.823 ug/L	99
37) 1,2-Dichloropropane	9.22	63	18493	5.153 ug/L	99
38) Bromodichloromethane	9.50	83	22730	4.966 ug/L	98
39) cis-1,3-Dichloropropene	9.93	75	27111	4.826 ug/L	100
40) 4-Methyl-2-pentanone	10.07	43	30551	9.637 ug/L	99

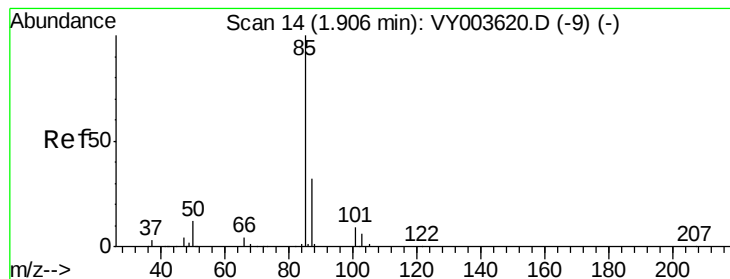
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120120\
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 Quant Title : VOC Analysis
 QLast Update : Tue Dec 01 11:48:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.25	91	73847	4.894	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	25769	4.998	ug/L	99
45) 1,1,2-Trichloroethane	10.64	97	15234	5.102	ug/L	97
46) Tetrachloroethene	10.72	164	15322	4.959	ug/L	95
48) 2-Hexanone	10.83	43	21421	9.471	ug/L	97
49) Dibromochloromethane	10.98	129	17279	4.927	ug/L	93
50) 1,2-Dibromoethane	11.09	107	14358	5.000	ug/L	100
51) Chlorobenzene	11.51	112	47640	4.971	ug/L	98
52) Ethylbenzene	11.59	91	78864	4.865	ug/L	100
53) m,p-Xylene	11.70	106	30883	4.972	ug/L	96
54) o-Xylene	12.03	106	28880	4.885	ug/L	92
55) Styrene	12.04	104	48654	4.801	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.58	83	20130	5.104	ug/L	93
59) Bromoform	12.21	173	11297	4.776	ug/L	96
60) Isopropylbenzene	12.32	105	72799	4.665	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	14521	5.116	ug/L	98
62) 1,3,5-Trimethylbenzene	12.81	105	56587	4.609	ug/L	97
63) 1,2,4-Trimethylbenzene	13.12	105	56082	4.650	ug/L	99
64) 1,3-Dichlorobenzene	13.36	146	37161	5.016	ug/L	96
65) 1,4-Dichlorobenzene	13.45	146	38248	5.041	ug/L	98
67) 1,2-Dichlorobenzene	13.73	146	34872	5.075	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.35	75	3219	4.991	ug/L #	87
69) 1,3,5-Trichlorobenzene	14.50	180	25574	4.991	ug/L	97
70) 1,2,4-trichlorobenzene	15.00	180	21605	4.895	ug/L	97
71) Naphthalene	15.23	128	45870	4.992	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	19945	4.928	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.967 ug/L

RT: 1.91 min Scan# 14

Delta R.T. 0.00 min

Lab File: VY003629.D

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MSVOA_Y

ClientSampleId :

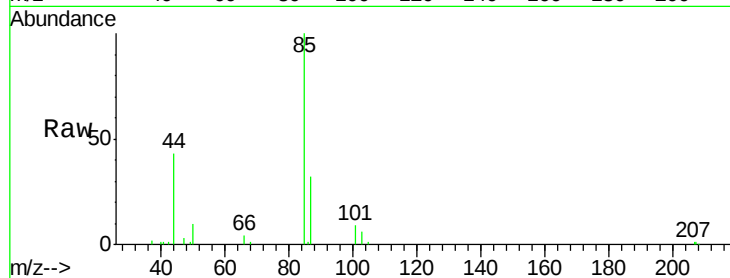
VSTD005405

Tgt Ion: 85 Resp: 14973

Ion Ratio Lower Upper

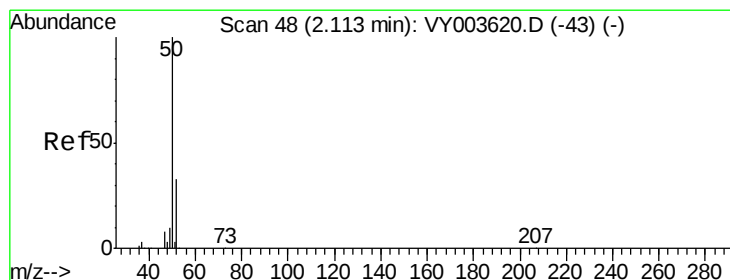
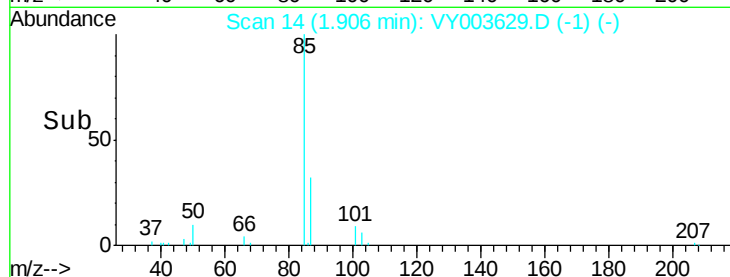
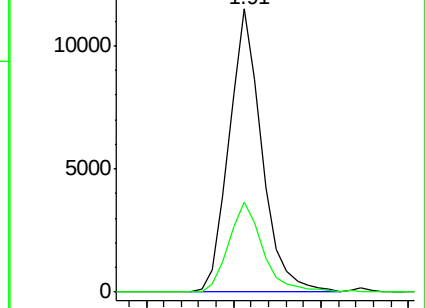
85 100

87 33.0 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 4.743 ug/L

RT: 2.11 min Scan# 48

Delta R.T. 0.00 min

Lab File: VY003629.D

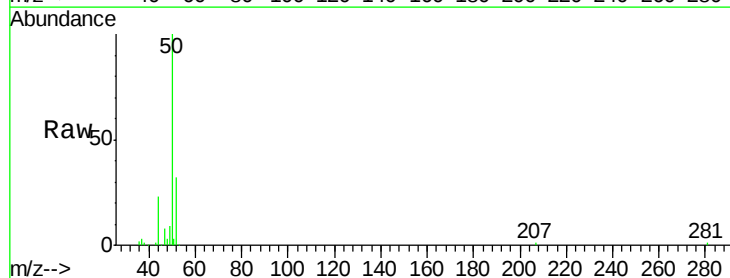
Acq: 01 Dec 2020 11:12

Tgt Ion: 50 Resp: 16311

Ion Ratio Lower Upper

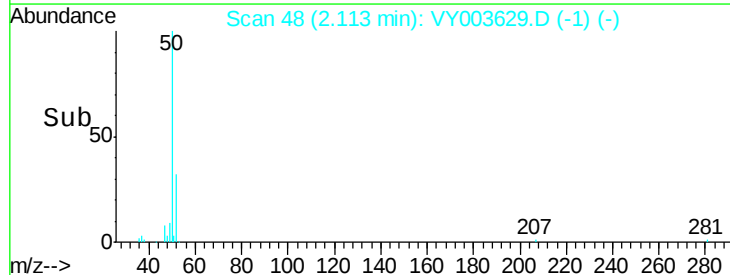
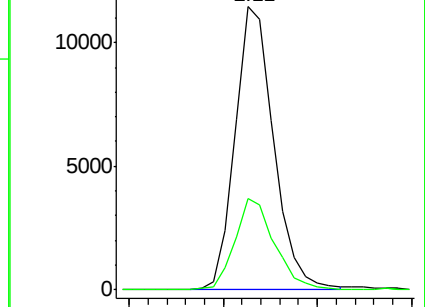
50 100

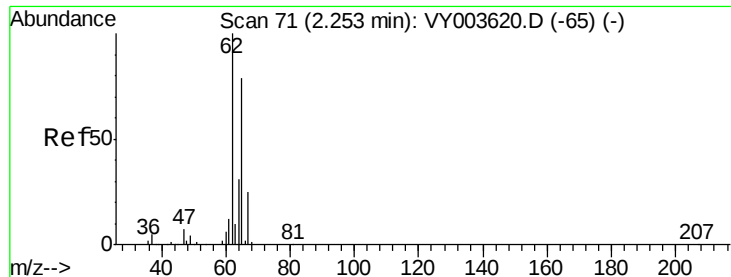
52 32.1 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 4.754 ug/L

RT: 2.25 min Scan# 71

Delta R.T. 0.00 min

Lab File: VY003629.D

Acq: 01 Dec 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

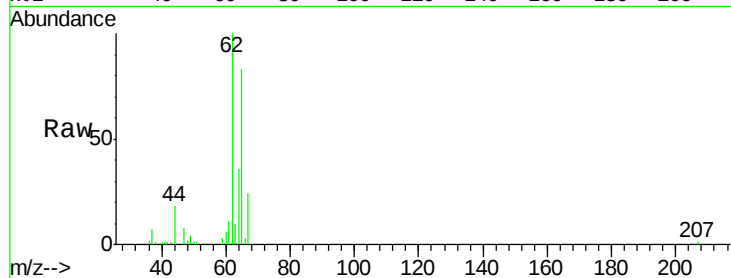
VSTD005405

Tgt Ion: 62 Resp: 17469

Ion Ratio Lower Upper

62 100

64 35.5 21.9 40.7



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0

12000

10000

8000

6000

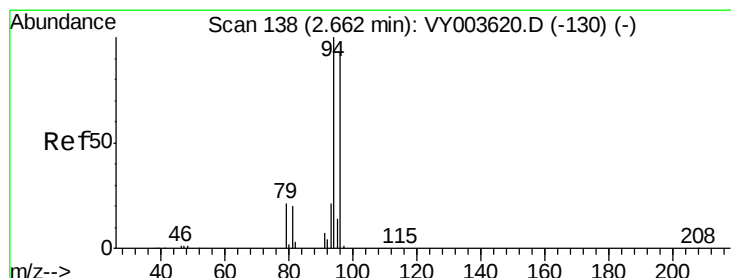
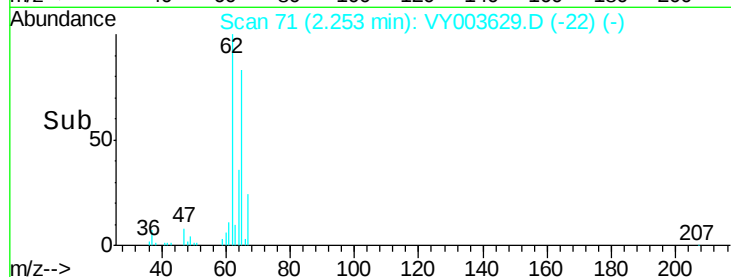
4000

2000

0

2.25

Time-->



#6

Bromomethane

Concen: 4.384 ug/L

RT: 2.65 min Scan# 136

Delta R.T. -0.01 min

Lab File: VY003629.D

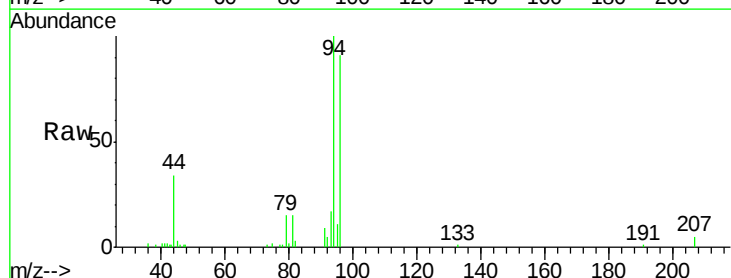
Acq: 01 Dec 2020 11:12

Tgt Ion: 94 Resp: 10678

Ion Ratio Lower Upper

94 100

96 90.8 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

6000

5000

4000

3000

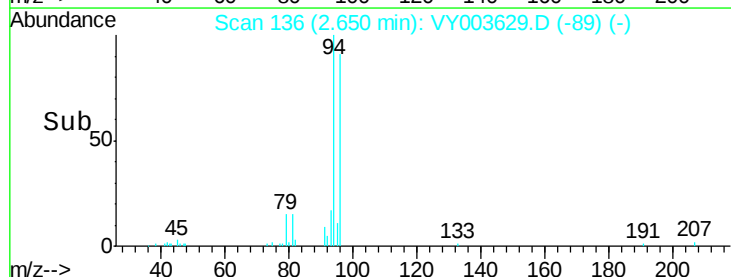
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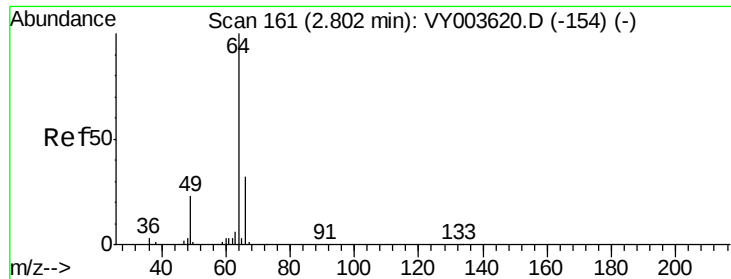
1000

0

2.65

Time-->





#8

Chloroethane

Concen: 5.048 ug/L

RT: 2.80 min Scan# 160

Delta R.T. -0.01 min

Lab File: VY003629.D

Acq: 01 Dec 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

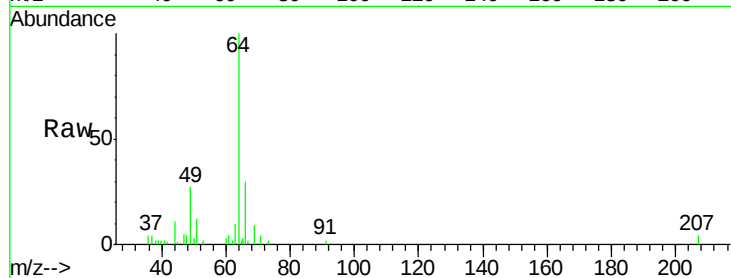
VSTD005405

Tgt Ion: 64 Resp: 11083

Ion Ratio Lower Upper

64 100

66 29.8 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VY003620.D (-154) (-)

Ion 66.00 (65.70 to 66.70): VY003620.D (-154) (-)

2.80

6000

5000

4000

3000

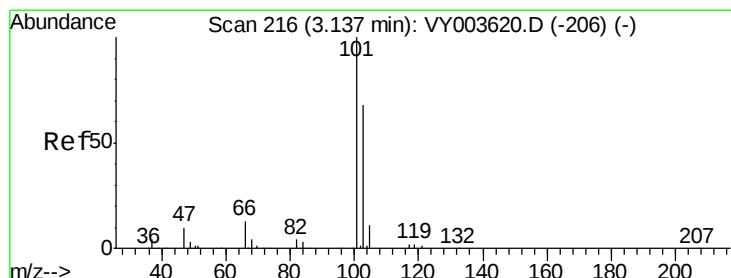
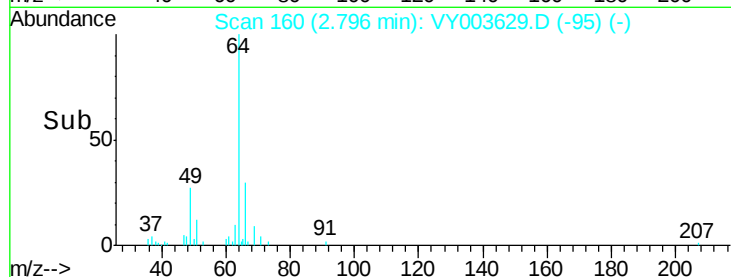
2000

1000

0

2.75 2.80 2.85

Time-->



#9

Trichlorofluoromethane

Concen: 4.670 ug/L

RT: 3.13 min Scan# 215

Delta R.T. -0.01 min

Lab File: VY003629.D

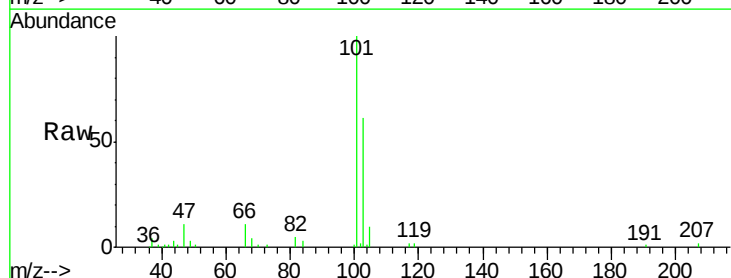
Acq: 01 Dec 2020 11:12

Tgt Ion: 101 Resp: 25933

Ion Ratio Lower Upper

101 100

103 66.4 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VY003620.D (-206) (-)

Ion 103.00 (102.70 to 103.70): VY003620.D (-206) (-)

3.13

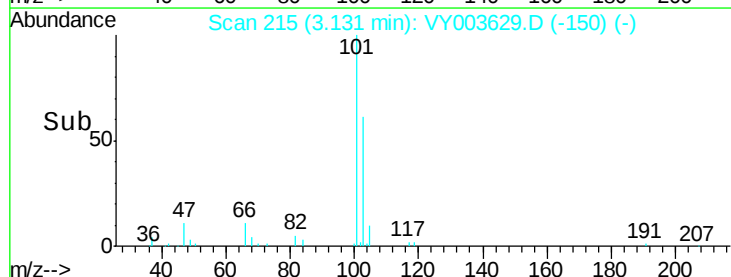
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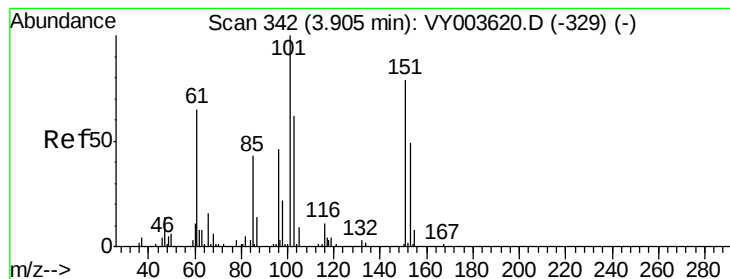
5000

0

3.05 3.10 3.15 3.20

Time-->





#10

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

Concen: 2.734 ug/L

RT: 3.90 min Scan# 341

Delta R.T. -0.01 min

Lab File: VY003629.D

Acq: 01 Dec 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005405

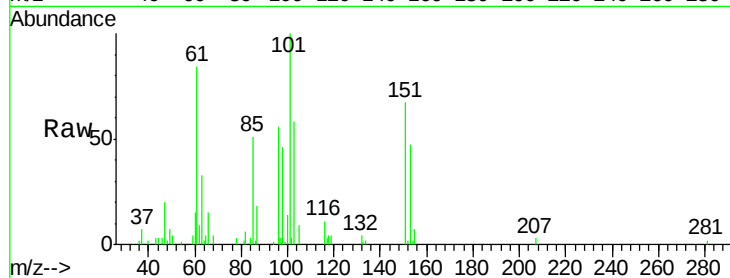
Tgt Ion: 101 Resp: 9516

Ion Ratio Lower Upper

101 100

85 78.8 35.6 53.4#

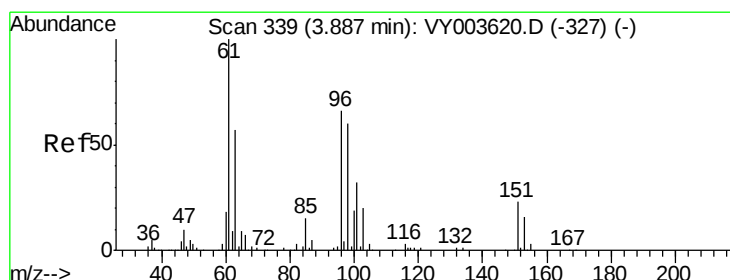
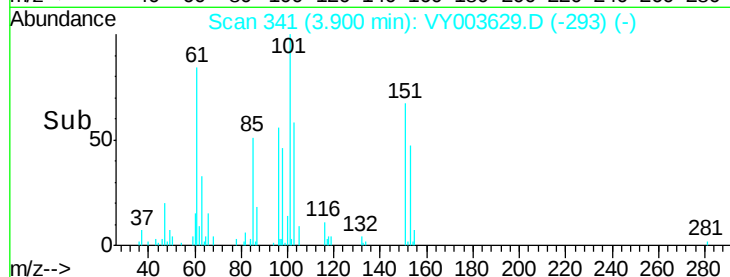
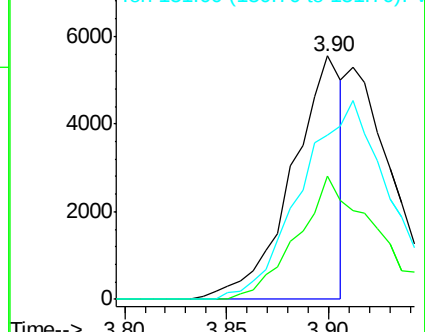
151 143.5 64.2 96.2#



Abundance Ion 101.00 (100.70 to 101.70): VY003629.D (-293) (-)

Ion 85.00 (84.70 to 85.70): VY003629.D (-293) (-)

Ion 151.00 (150.70 to 151.70): VY003629.D (-293) (-)



#12

1,1-Dichloroethene

Concen: 4.878 ug/L

RT: 3.88 min Scan# 338

Delta R.T. -0.01 min

Lab File: VY003629.D

Acq: 01 Dec 2020 11:12

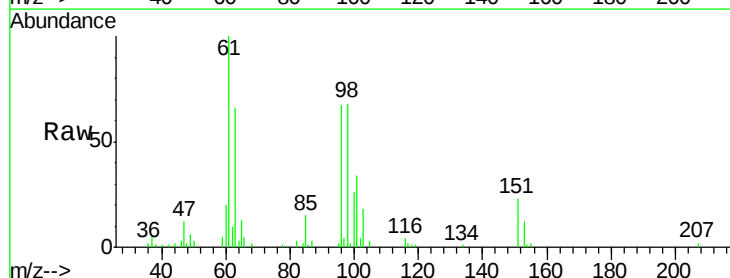
Tgt Ion: 96 Resp: 15986

Ion Ratio Lower Upper

96 100

61 148.2 106.1 197.1

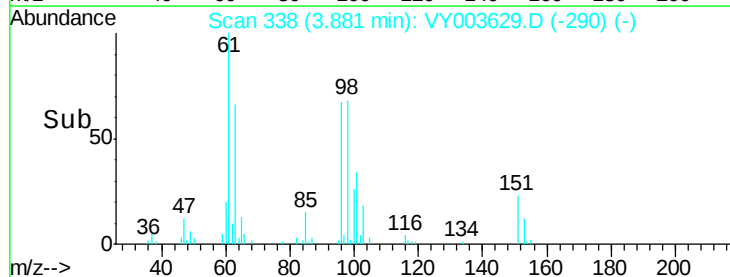
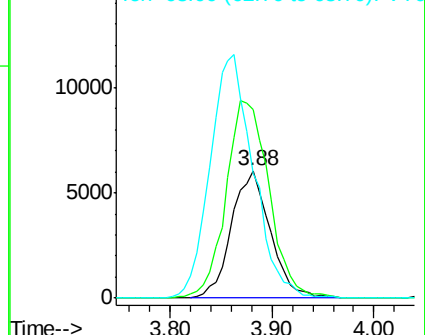
63 98.4 62.9 116.9

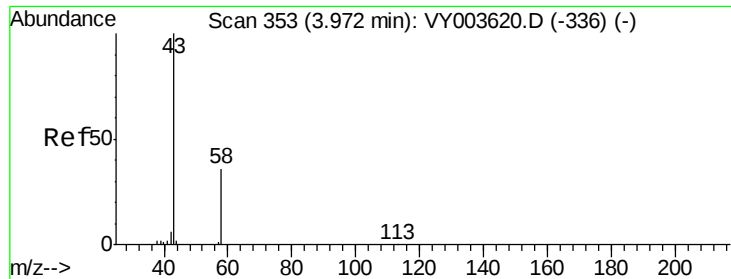


Abundance Ion 96.00 (95.70 to 96.70): VY003629.D (-290) (-)

Ion 61.00 (60.70 to 61.70): VY003629.D (-290) (-)

Ion 63.00 (62.70 to 63.70): VY003629.D (-290) (-)





#13

Acetone

Concen: 8.973 ug/L

RT: 3.96 min Scan# 351

Delta R.T. -0.01 min

Lab File: VY003629.D

Acq: 01 Dec 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

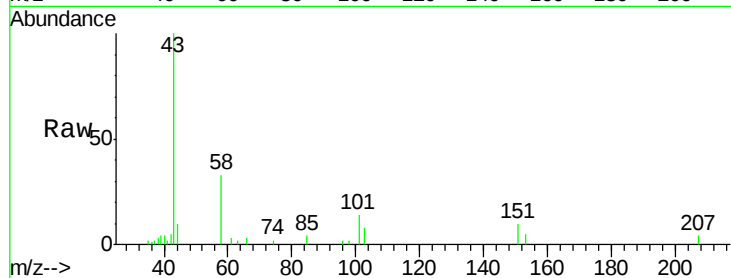
VSTD005405

Tgt Ion: 43 Resp: 9937

Ion Ratio Lower Upper

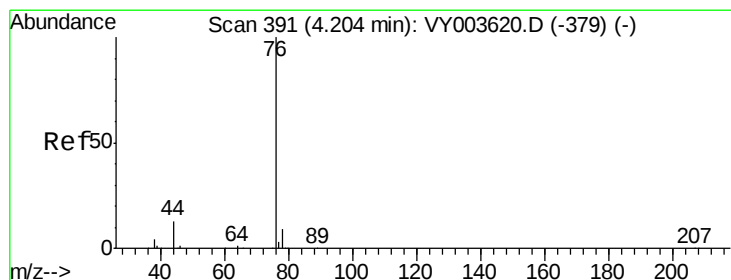
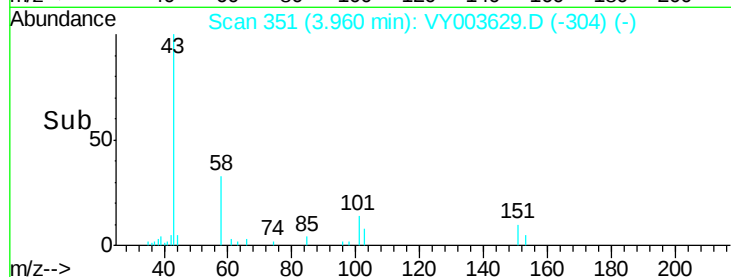
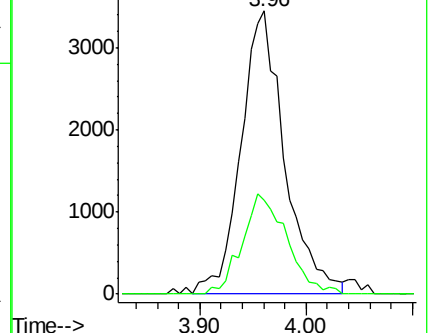
43 100

58 35.6 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VY003629.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY003629.D (-351) (-)



#14

Carbon disulfide

Concen: 4.853 ug/L

RT: 4.20 min Scan# 390

Delta R.T. -0.01 min

Lab File: VY003629.D

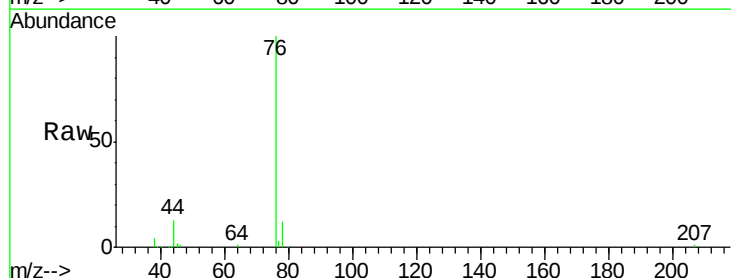
Acq: 01 Dec 2020 11:12

Tgt Ion: 76 Resp: 54181

Ion Ratio Lower Upper

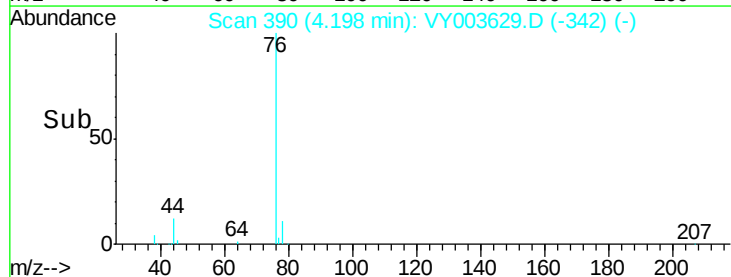
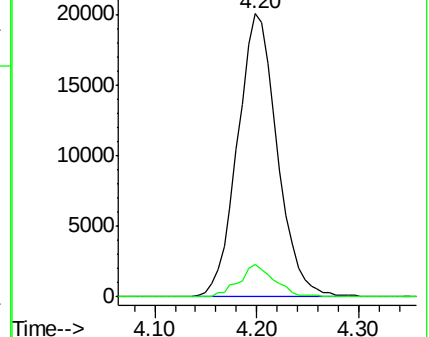
76 100

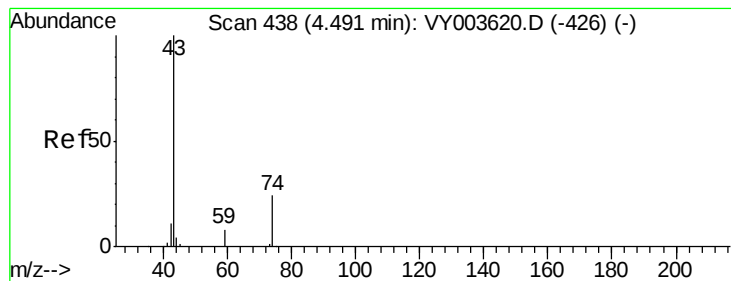
78 11.7 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VY003629.D (-390) (-)

Ion 78.00 (77.70 to 78.70): VY003629.D (-390) (-)





#15

Methyl Acetate

Concen: 5.133 ug/L

RT: 4.48 min Scan# 437

Delta R.T. -0.01 min

Lab File: VY003629.D

Acq: 01 Dec 2020 11:12

Instrument :

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ClientSampleId :

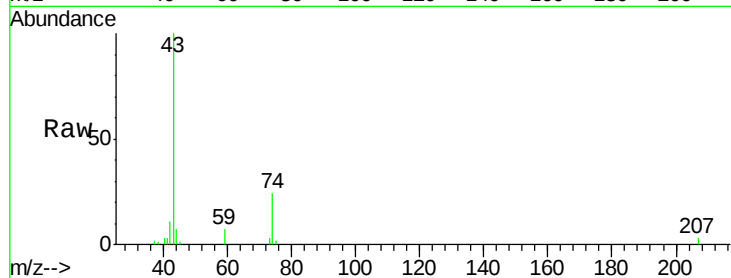
VSTD005405

Tgt Ion: 43 Resp: 12196

Ion Ratio Lower Upper

43 100

74 22.8 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.48

4000

3000

2000

1000

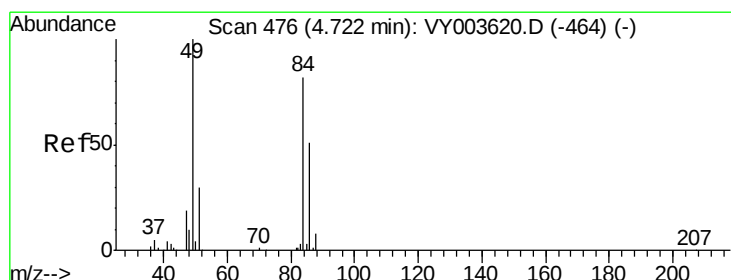
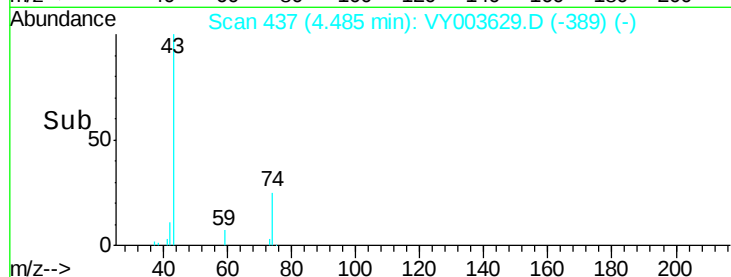
0

Time-->

4.40

4.50

4.60



#16

Methylene chloride

Concen: 4.519 ug/L

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VY003629.D

Acq: 01 Dec 2020 11:12

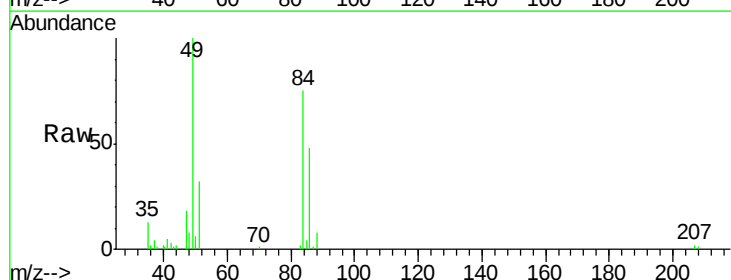
Tgt Ion: 84 Resp: 22721

Ion Ratio Lower Upper

84 100

86 63.9 43.3 80.3

49 133.7 85.3 158.5



Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

12000

10000

8000

6000

4000

2000

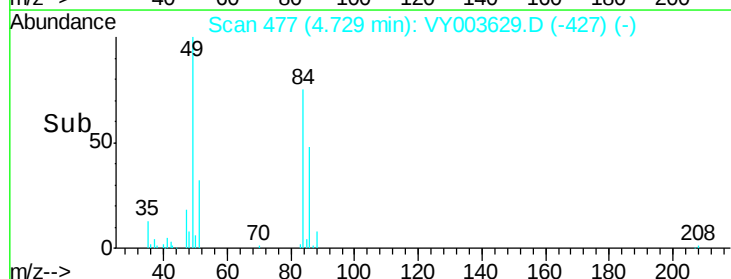
0

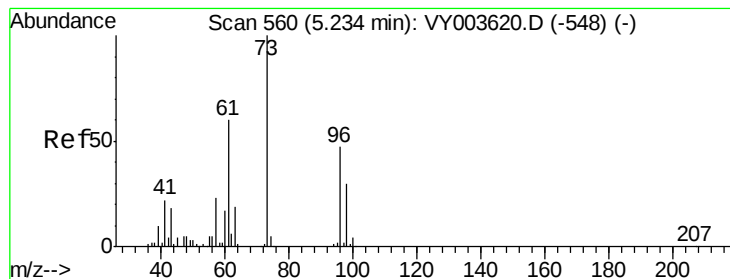
Time-->

4.60

4.70

4.80





#17

trans-1,2-Dichloroethene

Concen: 5.059 ug/L

RT: 5.23 min Scan# 560

Delta R.T. 0.00 min

Lab File: VY003629.D

Acq: 01 Dec 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005405

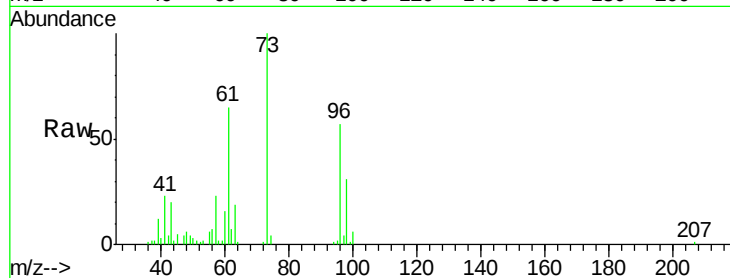
Tgt Ion: 96 Resp: 17978

Ion Ratio Lower Upper

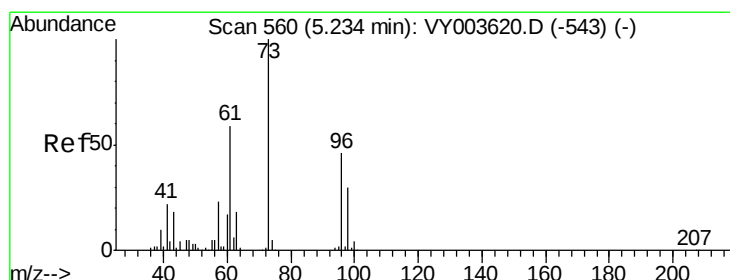
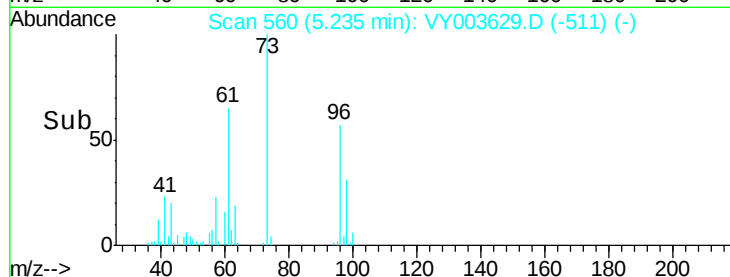
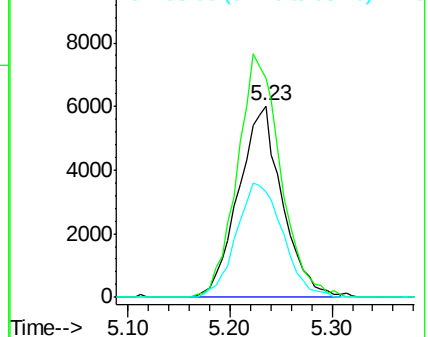
96 100

61 114.6 89.5 166.1

98 55.2 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: 4.819 ug/L

RT: 5.23 min Scan# 559

Delta R.T. -0.01 min

Lab File: VY003629.D

Acq: 01 Dec 2020 11:12

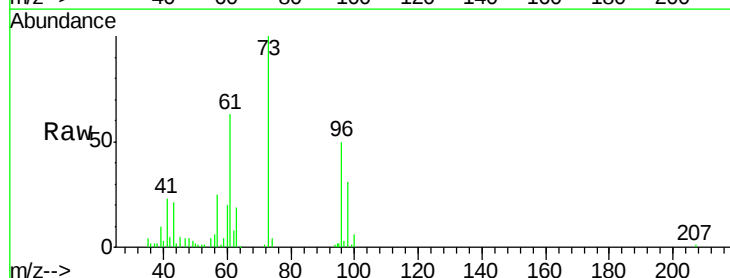
Tgt Ion: 73 Resp: 42205

Ion Ratio Lower Upper

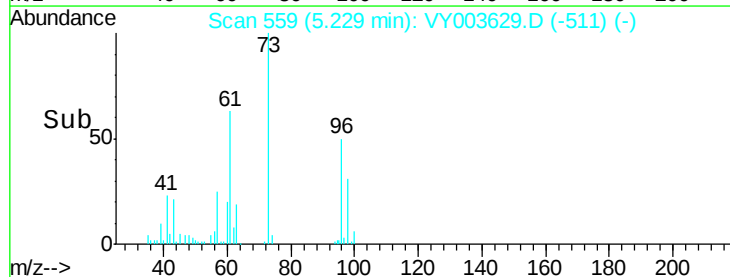
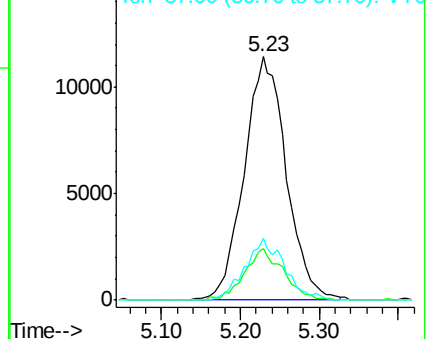
73 100

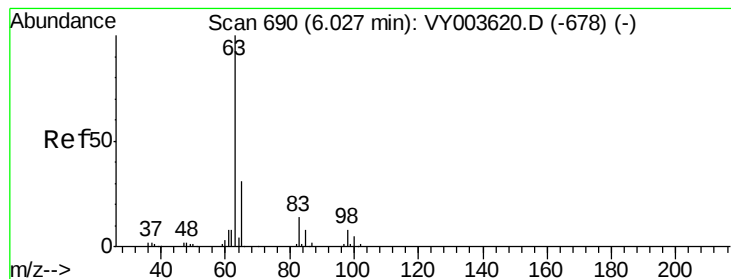
43 19.1 15.2 22.8

57 15.9 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: 4.870 ug/L

RT: 6.03 min Scan# 690

Delta R.T. 0.00 min

Lab File: VY003629.D

Acq: 01 Dec 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005405

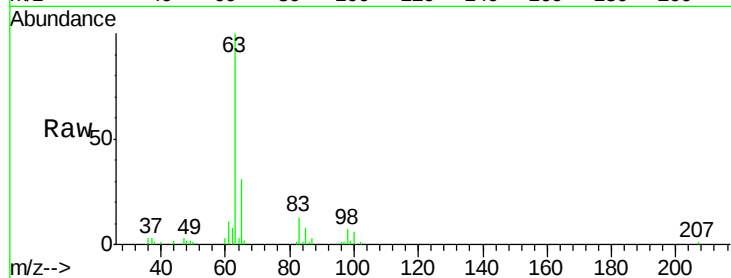
Tgt Ion: 63 Resp: 30125

Ion Ratio Lower Upper

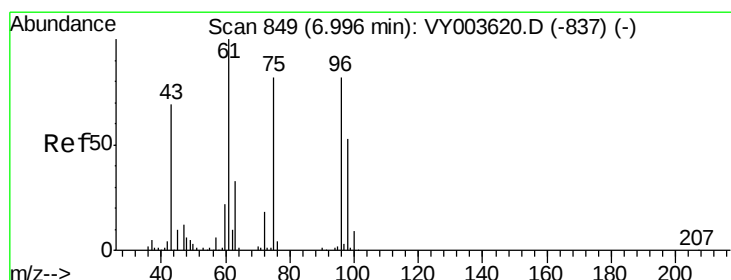
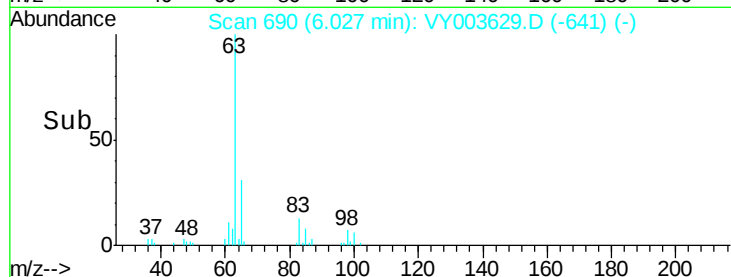
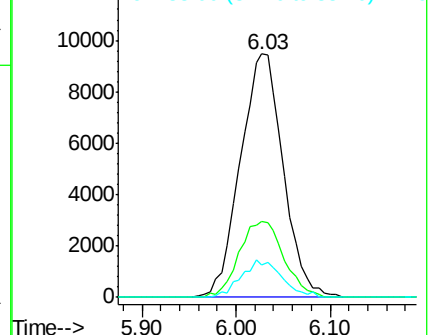
63 100

65 31.5 21.9 40.7

83 13.2 9.5 17.7



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



#20

cis-1,2-Dichloroethene

Concen: 4.878 ug/L

RT: 6.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VY003629.D

Acq: 01 Dec 2020 11:12

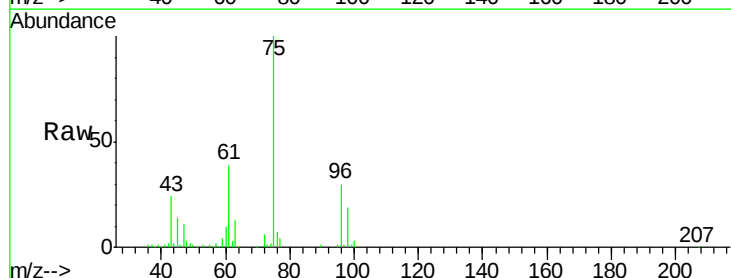
Tgt Ion: 96 Resp: 18534

Ion Ratio Lower Upper

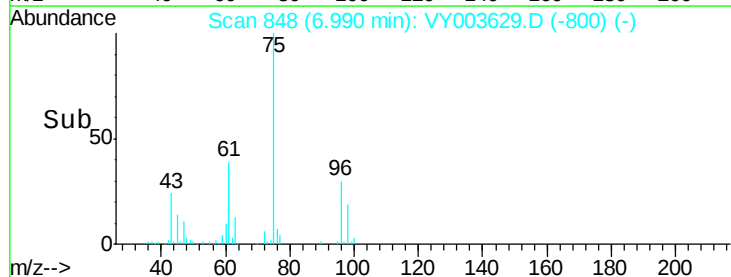
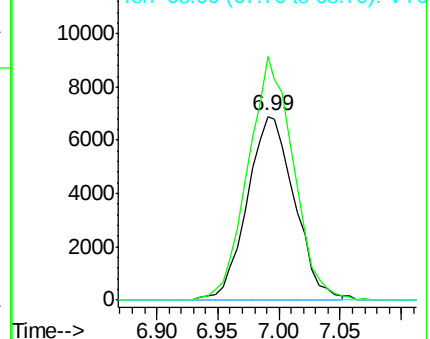
96 100

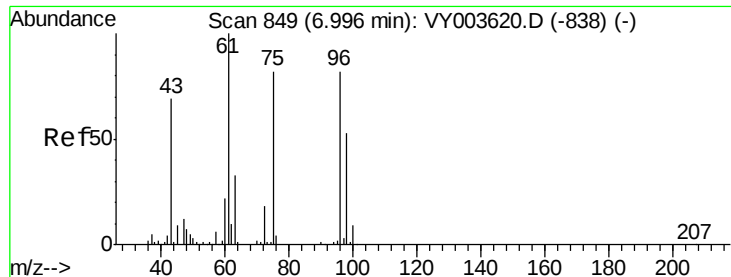
61 132.7 85.8 159.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 68.00 (67.70 to 68.70): VY0





#22

2-Butanone

Concen: 10.143 ug/L

RT: 7.00 min Scan# 849

Delta R.T. 0.00 min

Lab File: VY003629.D

Acq: 01 Dec 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

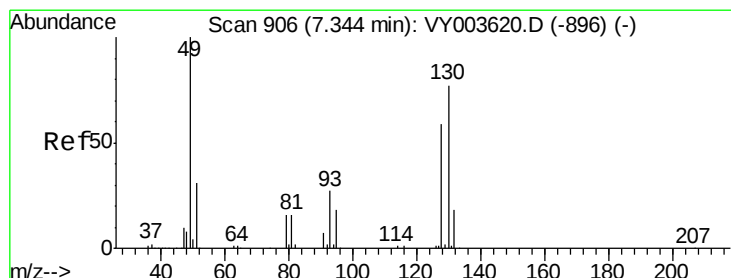
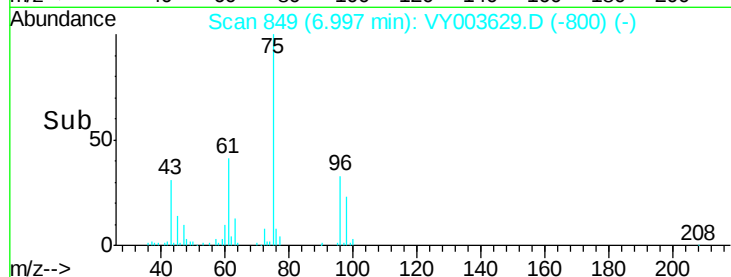
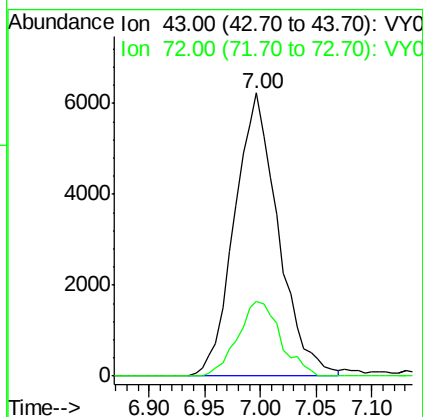
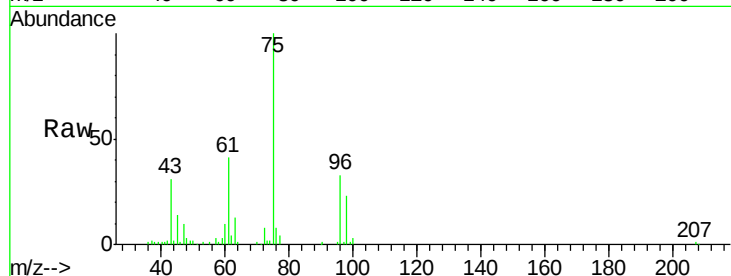
VSTD005405

Tgt Ion: 43 Resp: 16978

Ion Ratio Lower Upper

43 100

72 25.9 13.5 40.5



#23

Bromochloromethane

Concen: 4.896 ug/L

RT: 7.34 min Scan# 906

Delta R.T. 0.00 min

Lab File: VY003629.D

Acq: 01 Dec 2020 11:12

Tgt Ion: 128 Resp: 9109

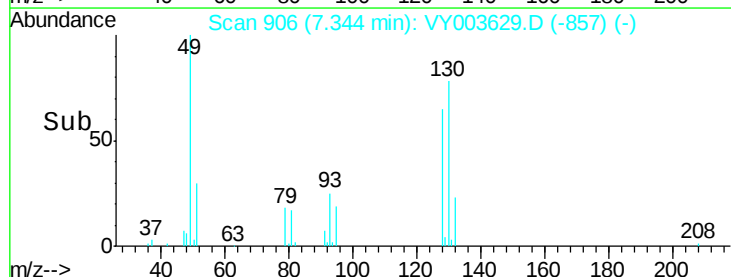
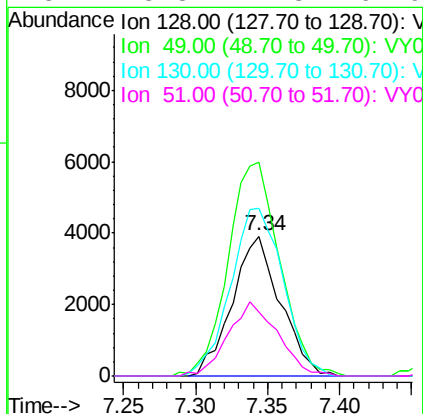
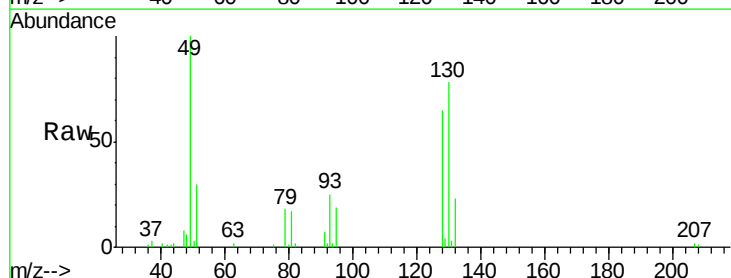
Ion Ratio Lower Upper

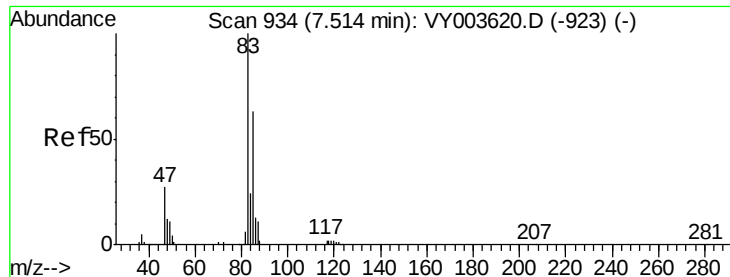
128 100

49 152.8 118.1 219.3

130 119.7 90.5 168.1

51 45.8 41.3 61.9





#25

Chloroform

Concen: 4.862 ug/L

RT: 7.51 min Scan# 934

Delta R.T. 0.00 min

Lab File: VY003629.D

Acq: 01 Dec 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

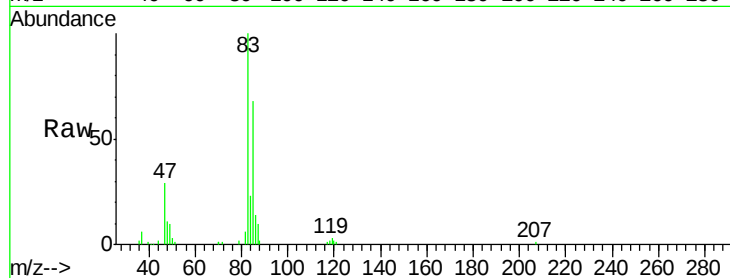
VSTD005405

Tgt Ion: 83 Resp: 30225

Ion Ratio Lower Upper

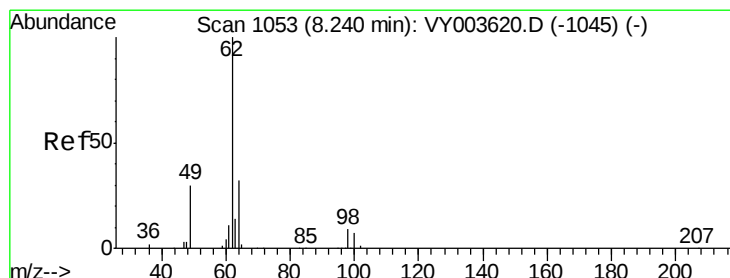
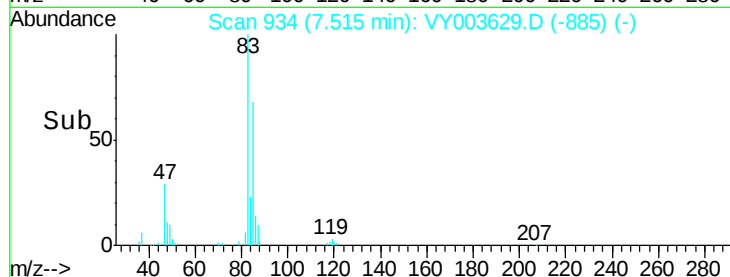
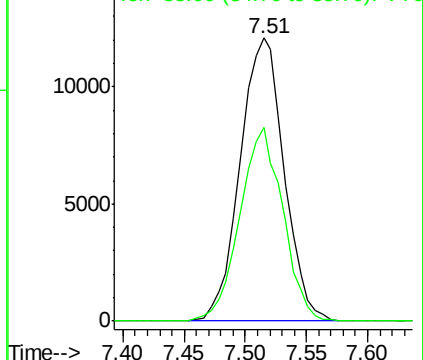
83 100

85 68.3 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: 4.799 ug/L

RT: 8.24 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VY003629.D

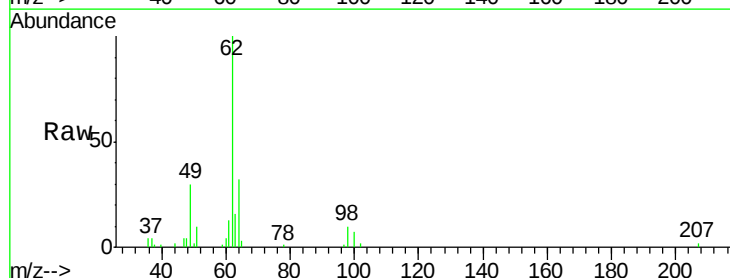
Acq: 01 Dec 2020 11:12

Tgt Ion: 62 Resp: 19816

Ion Ratio Lower Upper

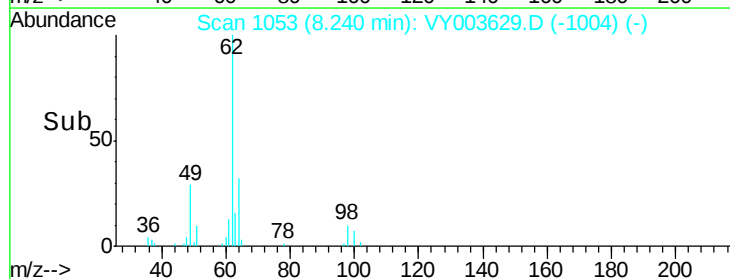
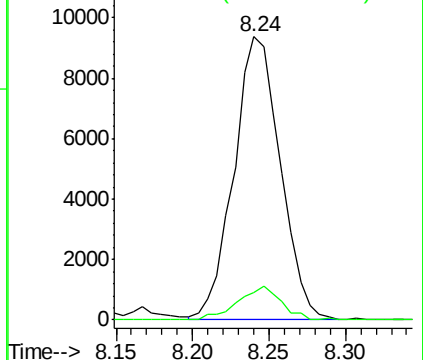
62 100

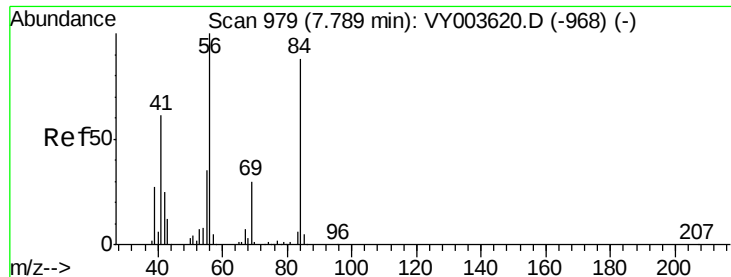
98 9.9 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

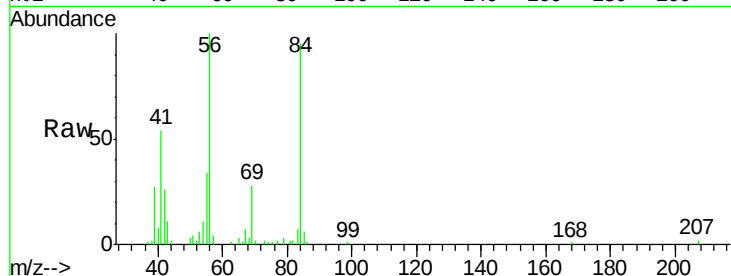




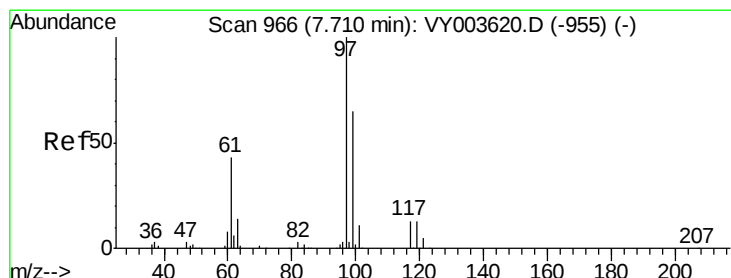
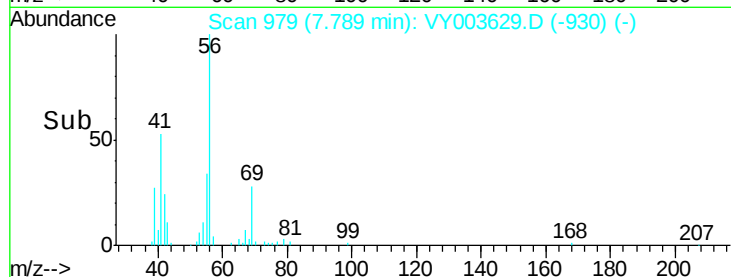
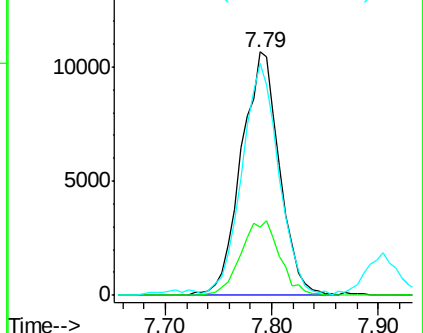
#29
Cyclohexane
Concen: 4.781 ug/L
RT: 7.79 min Scan# 979
Delta R.T. 0.00 min
Lab File: VY003629.D
Acq: 01 Dec 2020 11:12

Instrument :
MSVOA_Y
ClientSampled :
VSTD005405

Tgt Ion: 56 Resp: 26774
Ion Ratio Lower Upper
56 100
69 31.1 23.9 35.9
84 92.1 71.9 107.9

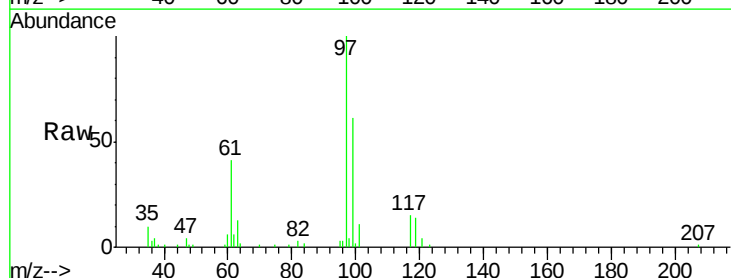


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

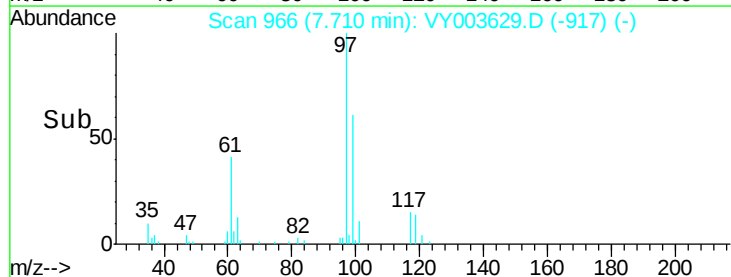
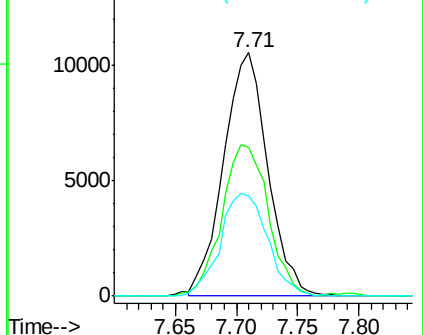


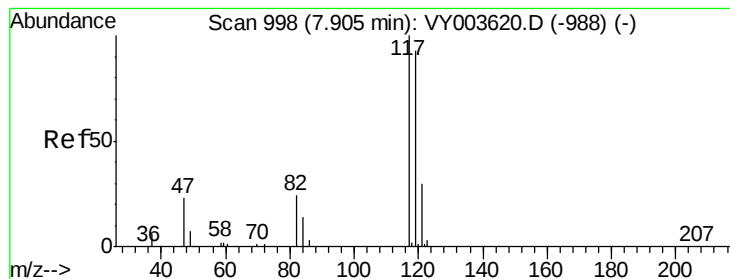
#30
1,1,1-Trichloroethane
Concen: 4.819 ug/L
RT: 7.71 min Scan# 966
Delta R.T. 0.00 min
Lab File: VY003629.D
Acq: 01 Dec 2020 11:12

Tgt Ion: 97 Resp: 26546
Ion Ratio Lower Upper
97 100
99 65.0 50.6 76.0
61 45.1 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: 4.844 ug/L

RT: 7.90 min Scan# 998

Delta R.T. 0.00 min

Lab File: VY003629.D

Acq: 01 Dec 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

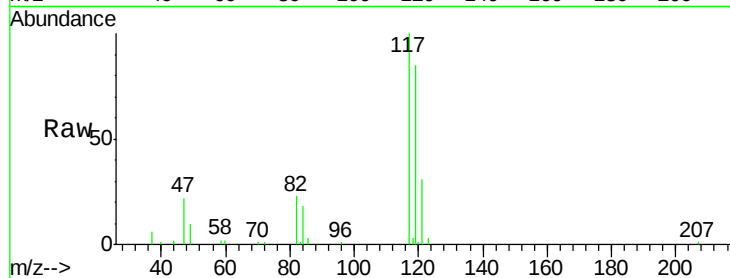
VSTD005405

Tgt Ion:117 Resp: 24183

Ion Ratio Lower Upper

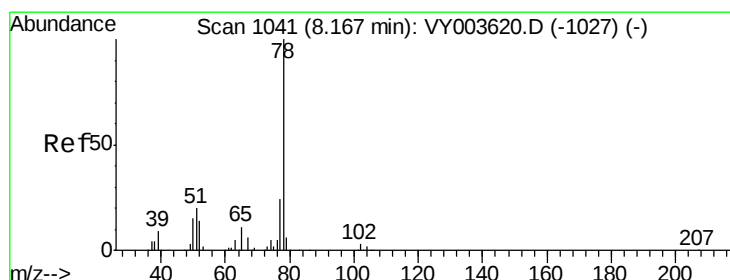
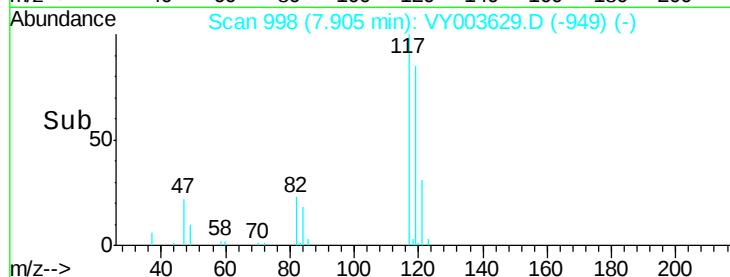
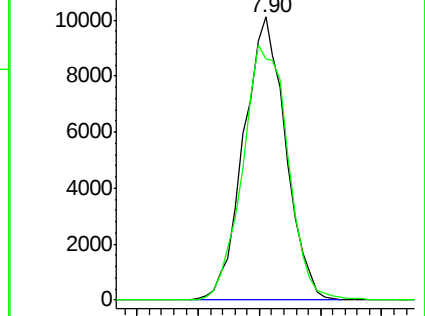
117 100

119 96.4 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: 4.999 ug/L

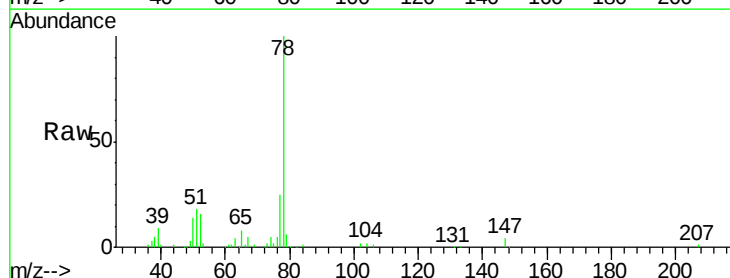
RT: 8.17 min Scan# 1041

Delta R.T. 0.00 min

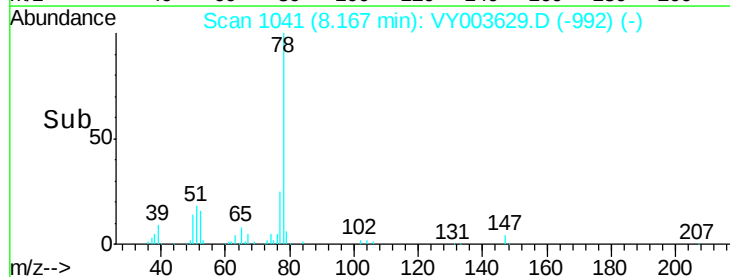
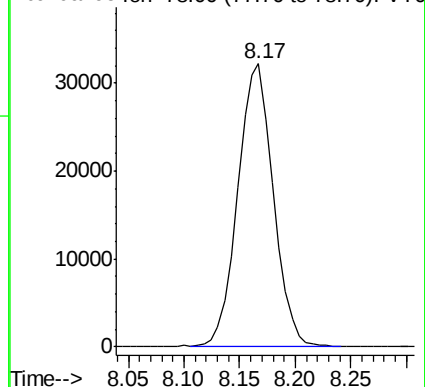
Lab File: VY003629.D

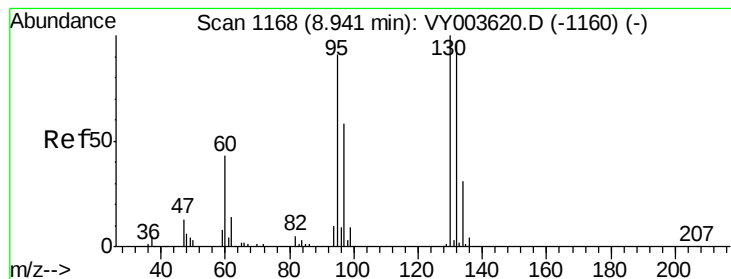
Acq: 01 Dec 2020 11:12

Tgt Ion: 78 Resp: 71367



Abundance Ion 78.00 (77.70 to 78.70): VY0





#34

Trichloroethene

Concen: 5.075 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. 0.00 min

Lab File: VY003629.D

Acq: 01 Dec 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005405

Tgt Ion: 95 Resp: 18021

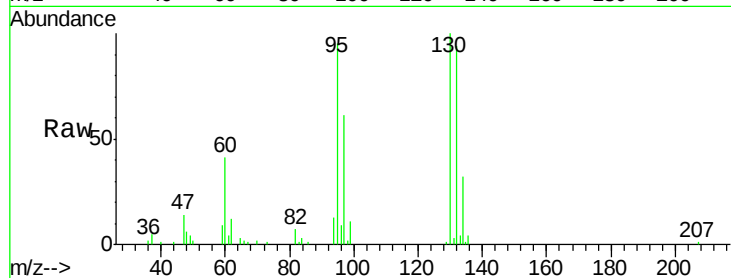
Ion Ratio Lower Upper

95 100

97 64.1 44.7 83.1

132 99.1 74.7 138.7

130 105.2 76.8 142.6

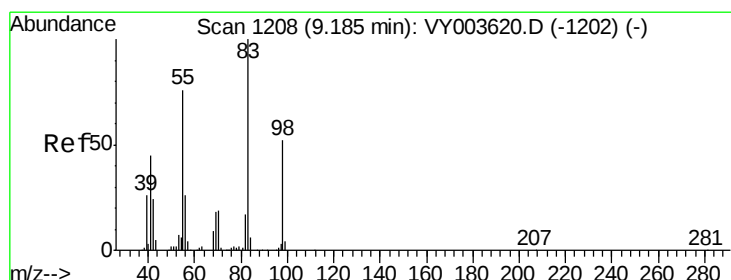
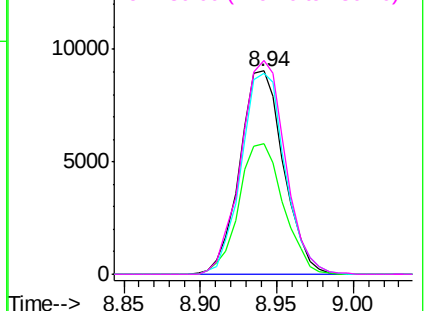
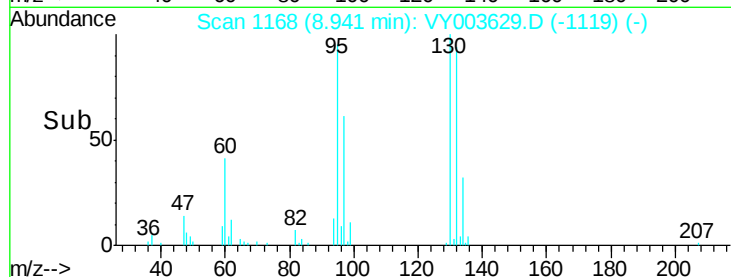


Abundance Ion 95.00 (94.70 to 95.70): VY003629.D (-1169) (-)

Ion 97.00 (96.70 to 97.70): VY003629.D (-1169) (-)

Ion 132.00 (131.70 to 132.70): VY003629.D (-1169) (-)

Ion 130.00 (129.70 to 130.70): VY003629.D (-1169) (-)



#35

Methylcyclohexane

Concen: 4.823 ug/L

RT: 9.19 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VY003629.D

Acq: 01 Dec 2020 11:12

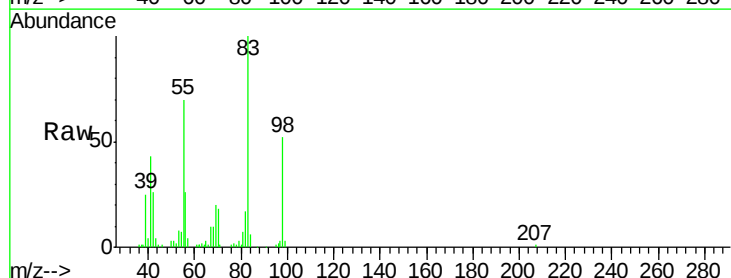
Tgt Ion: 83 Resp: 29598

Ion Ratio Lower Upper

83 100

55 71.9 58.3 87.5

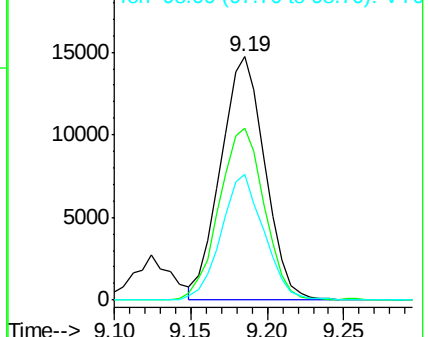
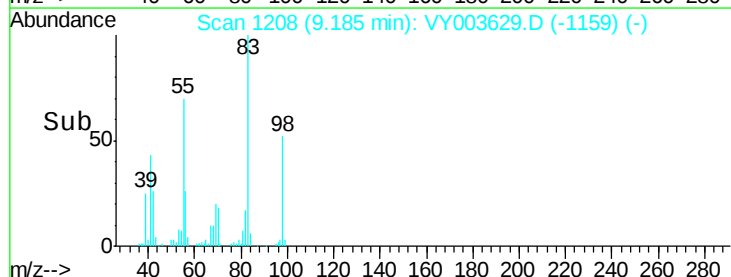
98 49.5 39.0 58.6

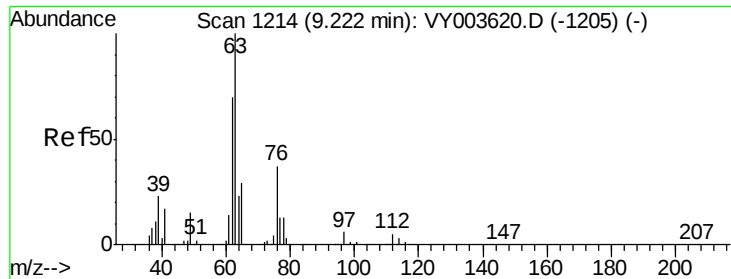


Abundance Ion 83.00 (82.70 to 83.70): VY003629.D (-1209) (-)

Ion 55.00 (54.70 to 55.70): VY003629.D (-1209) (-)

Ion 98.00 (97.70 to 98.70): VY003629.D (-1209) (-)

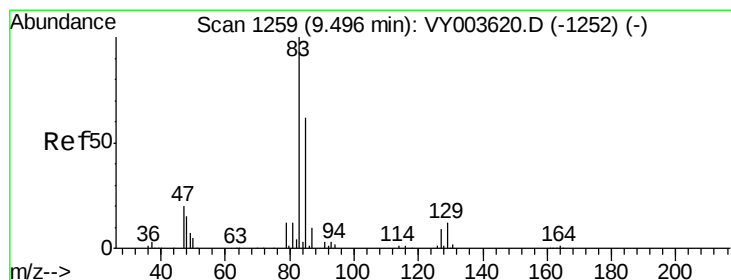
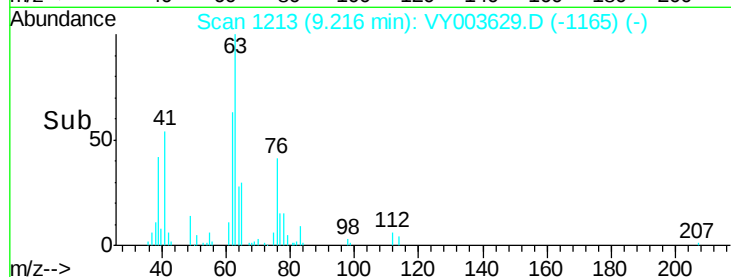
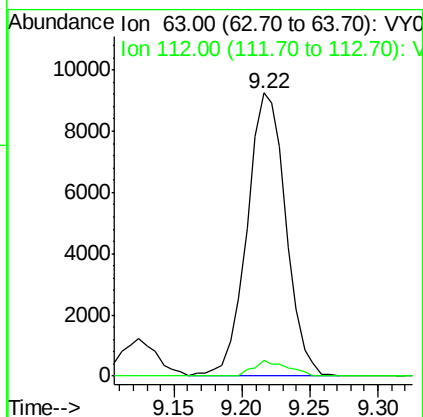
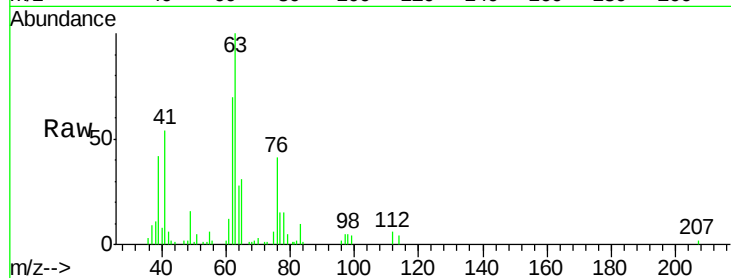




#37
 1,2-Dichloropropane
 Concen: 5.153 ug/L
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: VY003629.D
 Acq: 01 Dec 2020 11:12

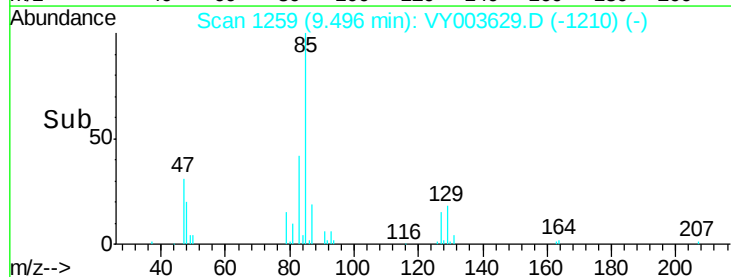
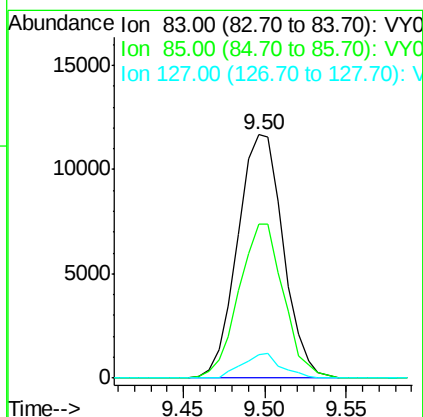
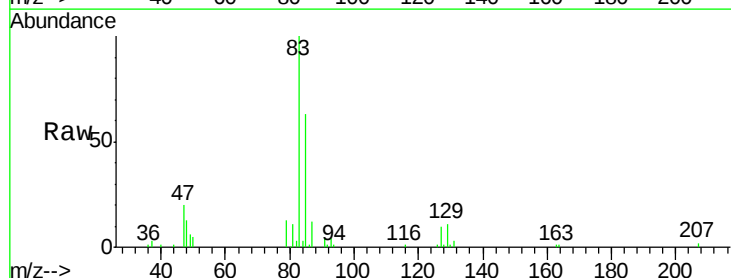
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005405

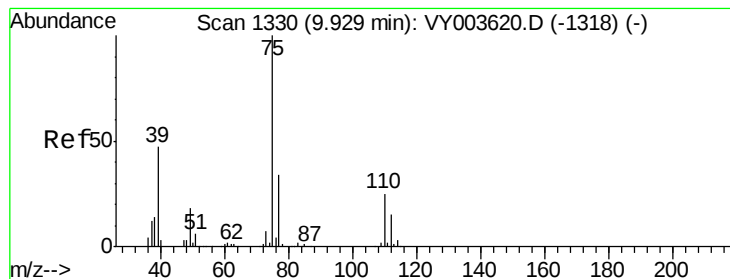
Tgt Ion: 63 Resp: 18493
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.7 5.5



#38
 Bromodichloromethane
 Concen: 4.966 ug/L
 RT: 9.50 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VY003629.D
 Acq: 01 Dec 2020 11:12

Tgt Ion: 83 Resp: 22730
 Ion Ratio Lower Upper
 83 100
 85 63.2 43.1 80.1
 127 9.7 7.1 10.7





#39

cis-1,3-Dichloroprene

Concen: 4.826 ug/L

RT: 9.93 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VY003629.D

Acq: 01 Dec 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

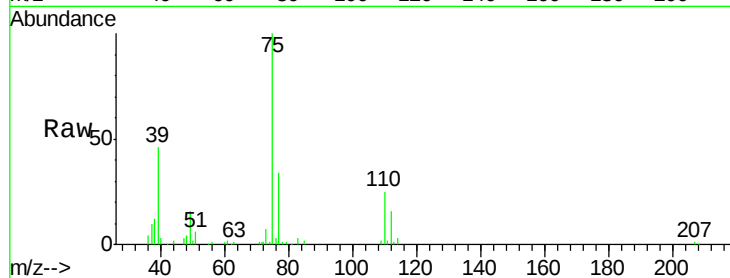
VSTD005405

Tgt Ion: 75 Resp: 27111

Ion Ratio Lower Upper

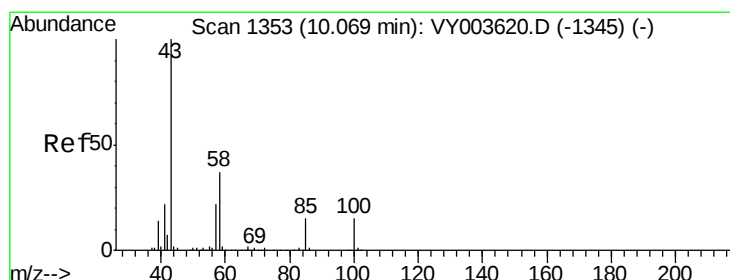
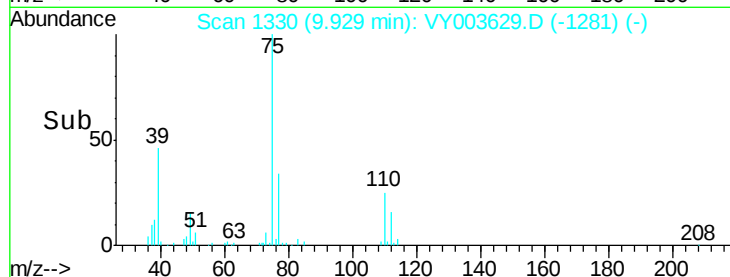
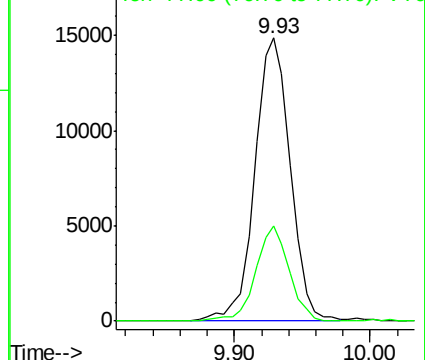
75 100

77 33.7 23.5 43.7



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#40

4-Methyl-2-pentanone

Concen: 9.637 ug/L

RT: 10.07 min Scan# 1353

Delta R.T. 0.00 min

Lab File: VY003629.D

Acq: 01 Dec 2020 11:12

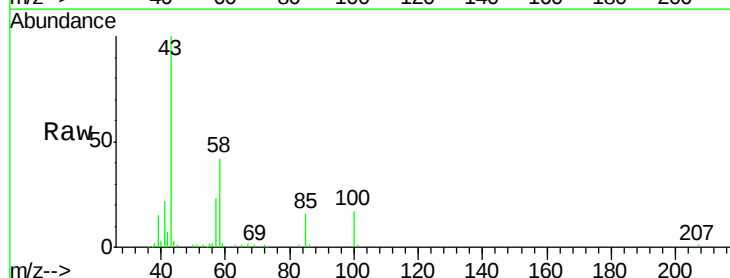
Tgt Ion: 43 Resp: 30551

Ion Ratio Lower Upper

43 100

58 38.9 30.7 46.1

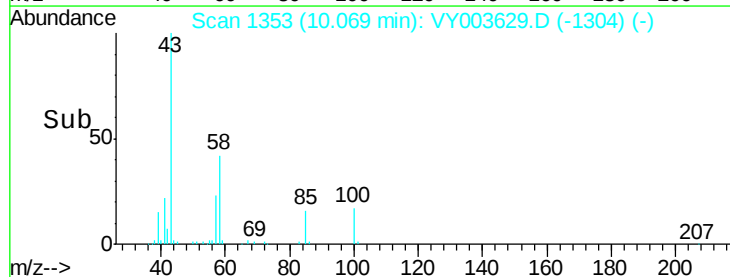
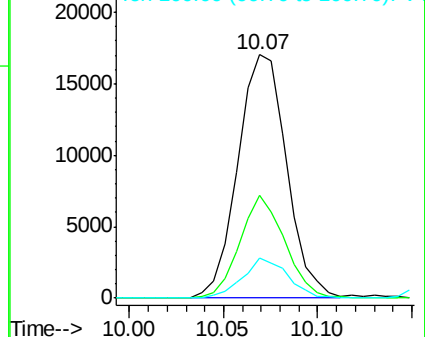
100 15.3 12.1 18.1

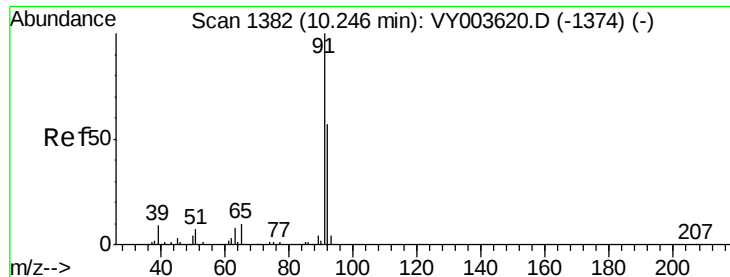


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#42

Toluene

Concen: 4.894 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003629.D

Acq: 01 Dec 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

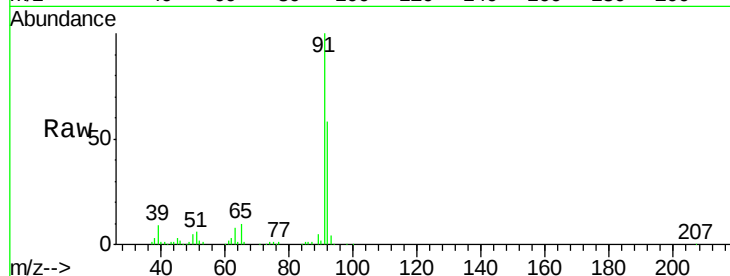
VSTD005405

Tgt Ion: 91 Resp: 73847

Ion Ratio Lower Upper

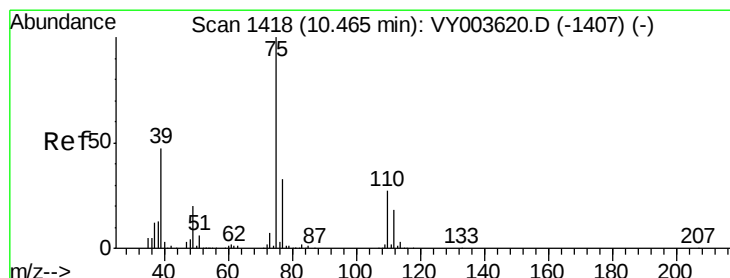
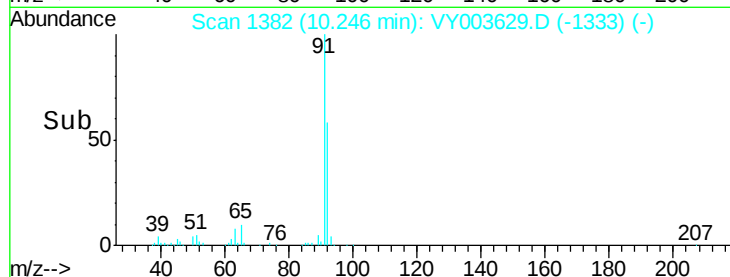
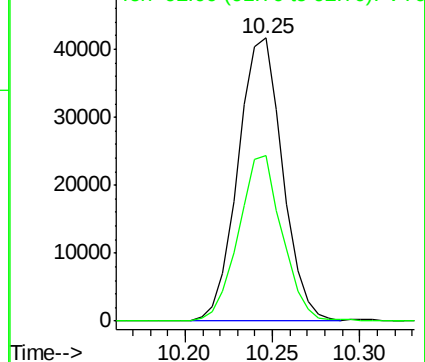
91 100

92 58.3 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0



#44

trans-1,3-Dichloropropene

Concen: 4.998 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003629.D

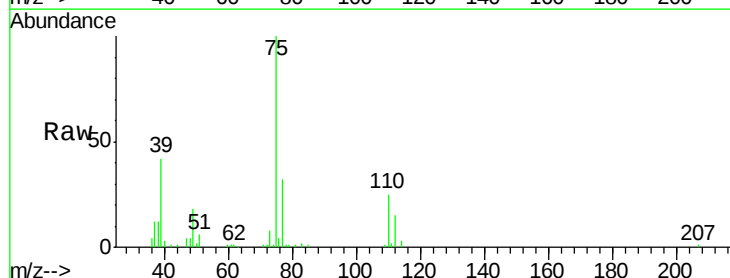
Acq: 01 Dec 2020 11:12

Tgt Ion: 75 Resp: 25769

Ion Ratio Lower Upper

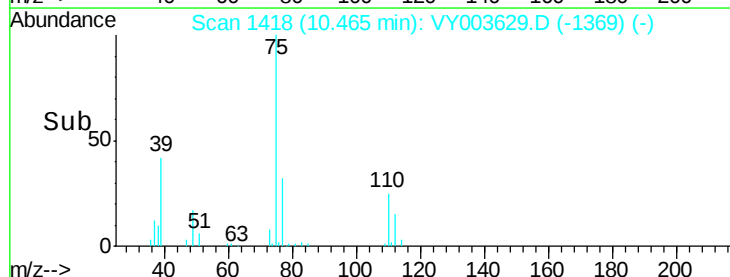
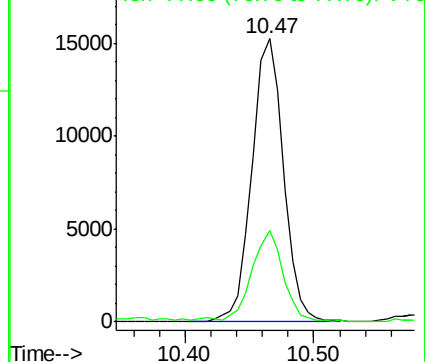
75 100

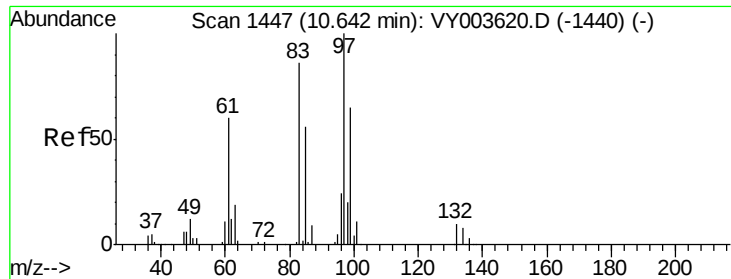
77 32.3 22.9 42.5



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

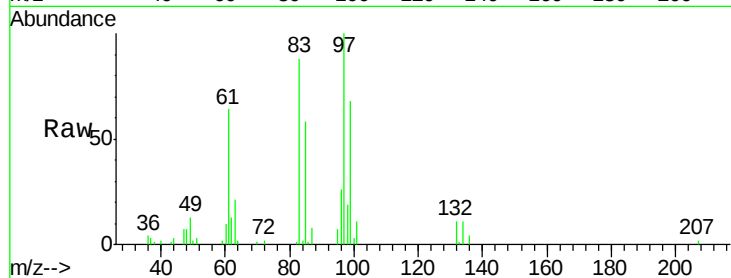




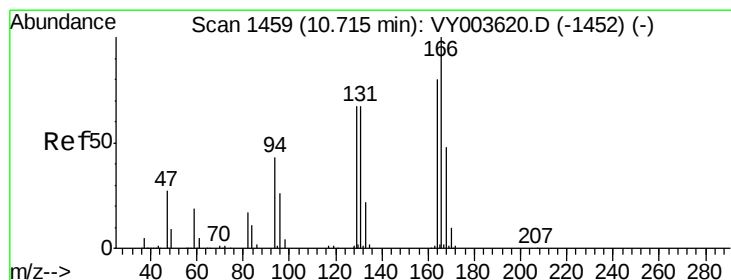
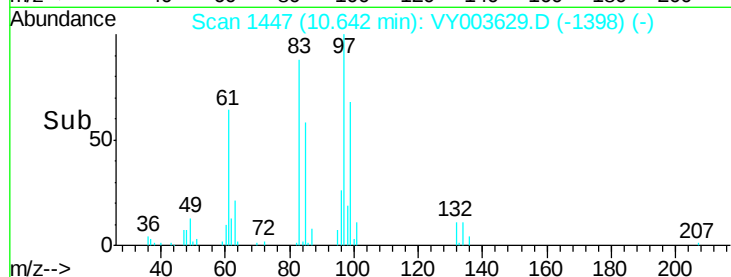
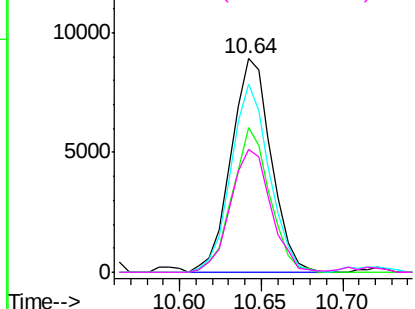
#45
 1,1,2-Trichloroethane
 Concen: 5.102 ug/L
 RT: 10.64 min Scan# 1447
 Delta R.T. 0.00 min
 Lab File: VY003629.D
 Acq: 01 Dec 2020 11:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005405

Tgt Ion: 97 Resp: 15234
 Ion Ratio Lower Upper
 97 100
 99 67.7 45.1 83.9
 83 87.9 59.7 110.9
 85 57.8 39.0 72.4

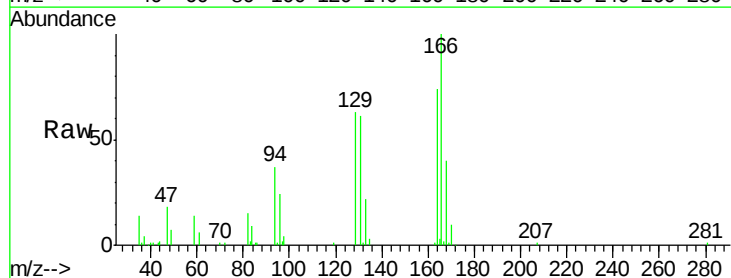


Abundance Ion 97.00 (96.70 to 97.70): VY0
 Ion 99.00 (98.70 to 99.70): VY0
 Ion 83.00 (82.70 to 83.70): VY0
 Ion 85.00 (84.70 to 85.70): VY0

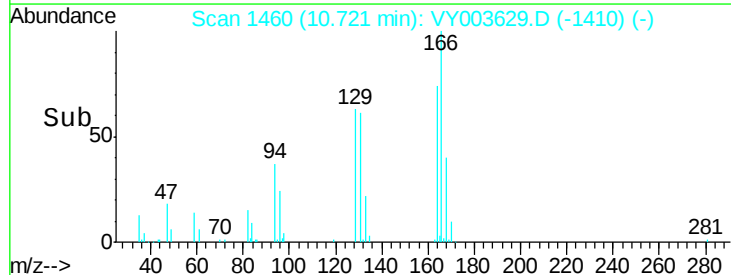
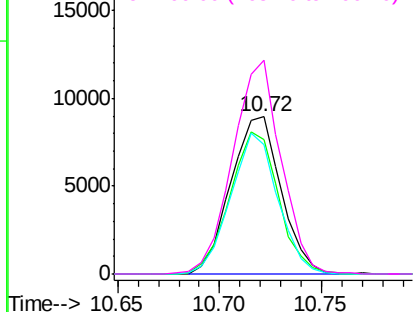


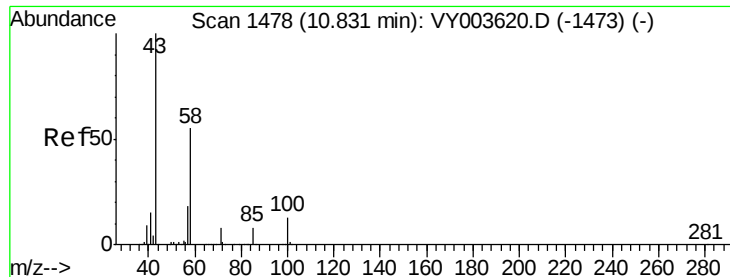
#46
 Tetrachloroethene
 Concen: 4.959 ug/L
 RT: 10.72 min Scan# 1460
 Delta R.T. 0.01 min
 Lab File: VY003629.D
 Acq: 01 Dec 2020 11:12

Tgt Ion: 164 Resp: 15322
 Ion Ratio Lower Upper
 164 100
 129 85.1 58.9 109.5
 131 82.4 59.0 109.6
 166 135.9 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

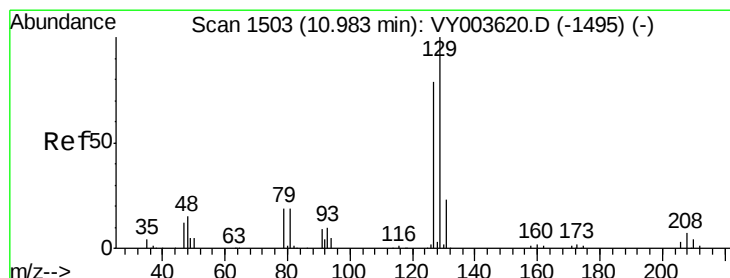
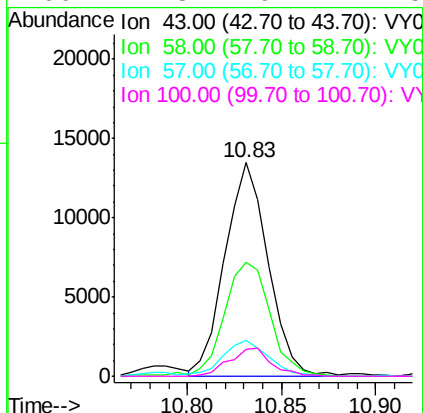
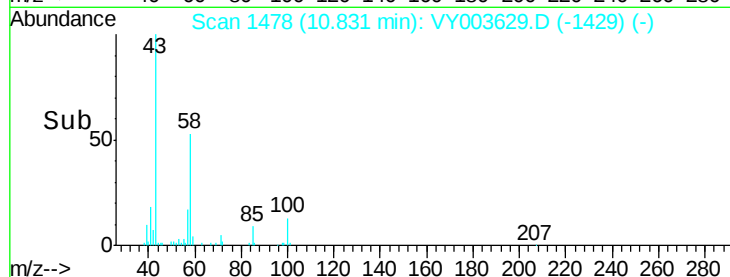
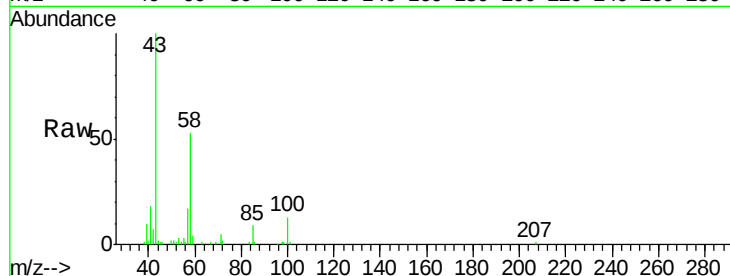




#48
2-Hexanone
Concen: 9.471 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VY003629.D
Acq: 01 Dec 2020 11:12

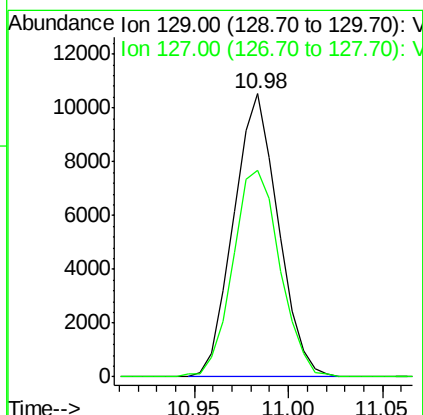
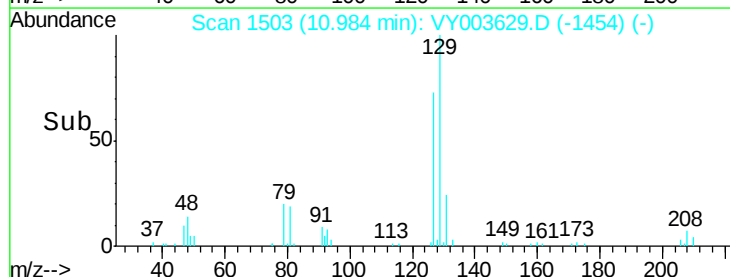
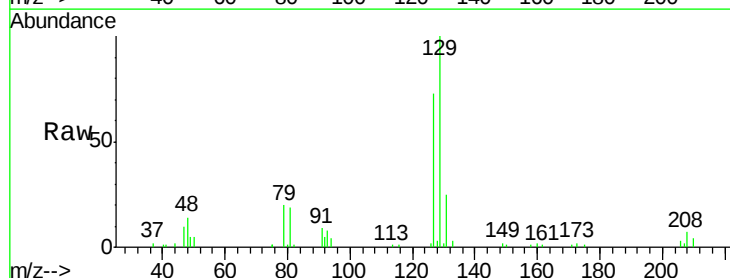
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005405

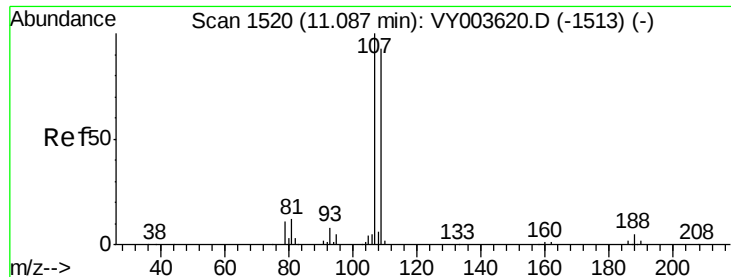
Tgt Ion: 43 Resp: 21421
Ion Ratio Lower Upper
43 100
58 56.2 43.0 64.6
57 17.8 14.6 21.8
100 12.8 9.7 14.5



#49
Dibromochloromethane
Concen: 4.927 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. 0.00 min
Lab File: VY003629.D
Acq: 01 Dec 2020 11:12

Tgt Ion: 129 Resp: 17279
Ion Ratio Lower Upper
129 100
127 72.8 55.0 102.2

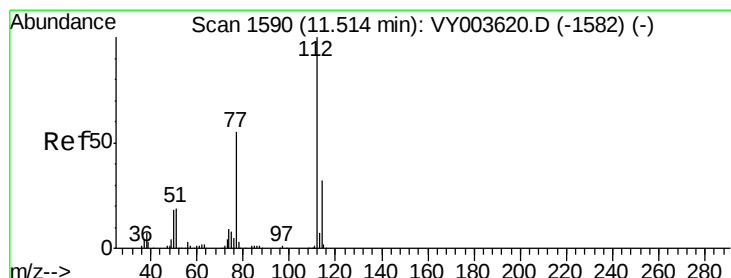
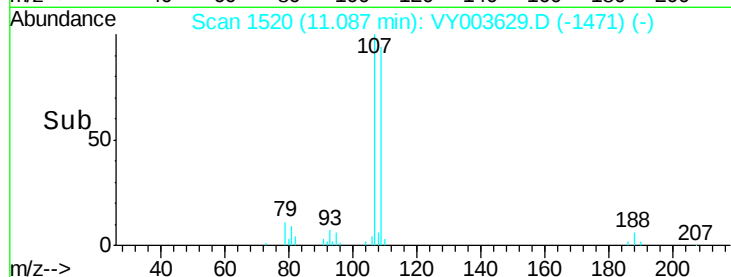
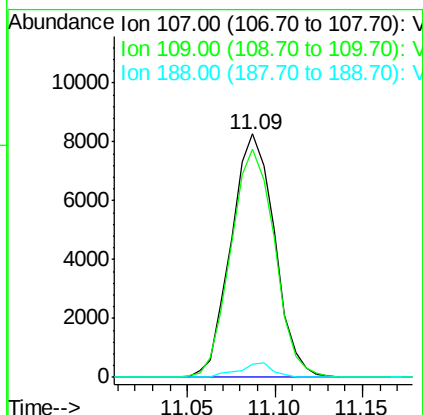
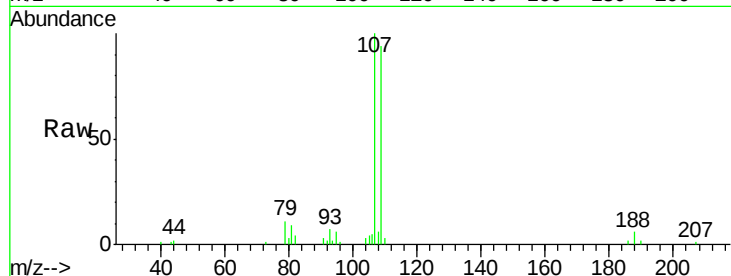




#50
1,2-Dibromoethane
Concen: 5.000 ug/L
RT: 11.09 min Scan# 1520
Delta R.T. 0.00 min
Lab File: VY003629.D
Acq: 01 Dec 2020 11:12

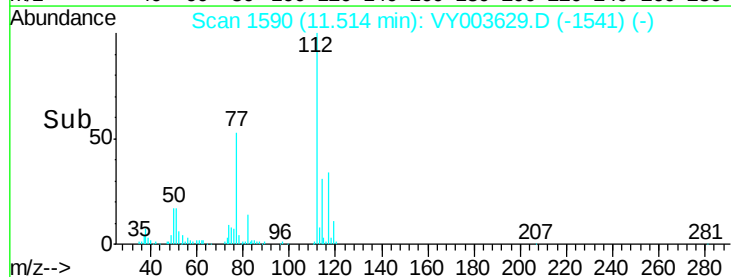
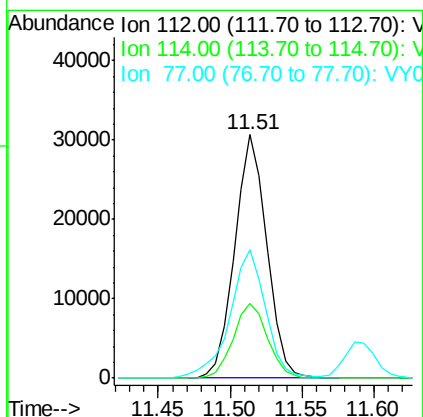
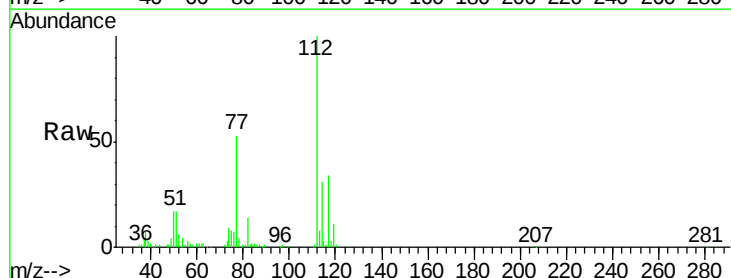
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005405

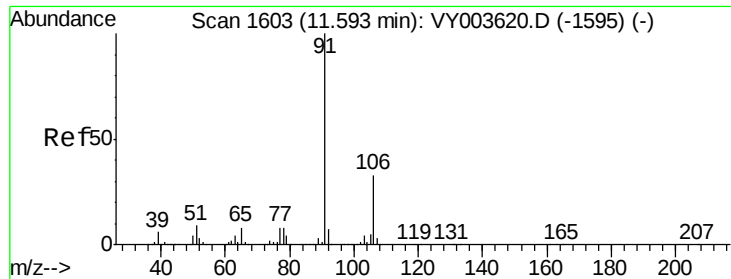
Tgt Ion:107 Resp: 14358
Ion Ratio Lower Upper
107 100
109 93.8 65.5 121.7
188 5.6 3.8 5.8



#51
Chlorobenzene
Concen: 4.971 ug/L
RT: 11.51 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VY003629.D
Acq: 01 Dec 2020 11:12

Tgt Ion:112 Resp: 47640
Ion Ratio Lower Upper
112 100
114 30.9 22.2 41.2
77 52.8 43.8 65.6





#52

Ethylbenzene

Concen: 4.865 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003629.D

Acq: 01 Dec 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

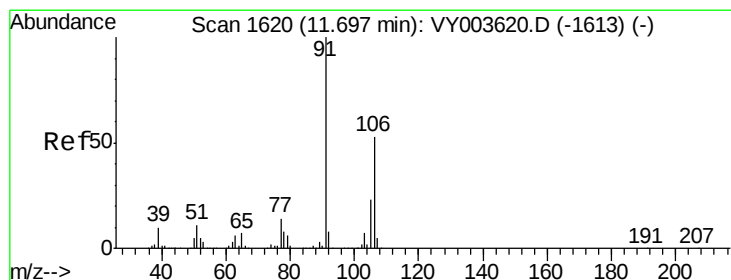
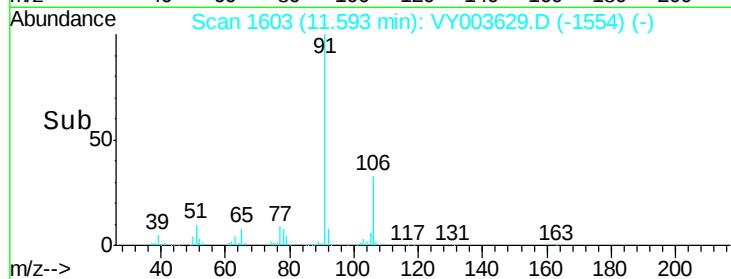
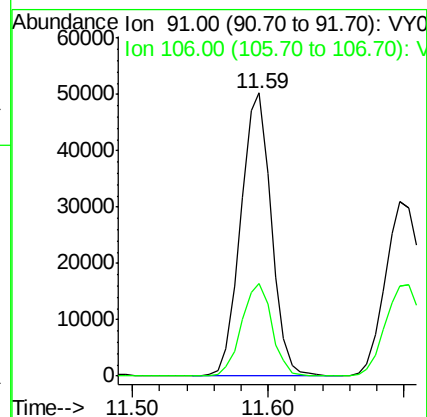
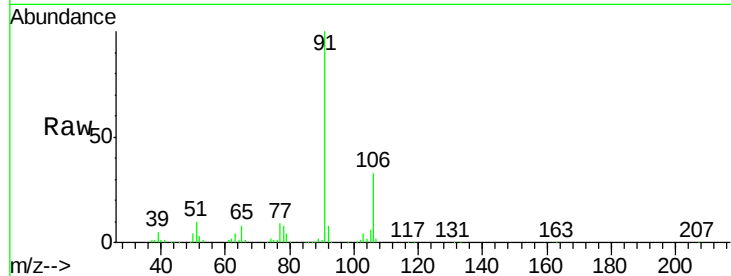
VSTD005405

Tgt Ion: 91 Resp: 78864

Ion Ratio Lower Upper

91 100

106 32.6 22.8 42.4



#53

m,p-Xylene

Concen: 4.972 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.01 min

Lab File: VY003629.D

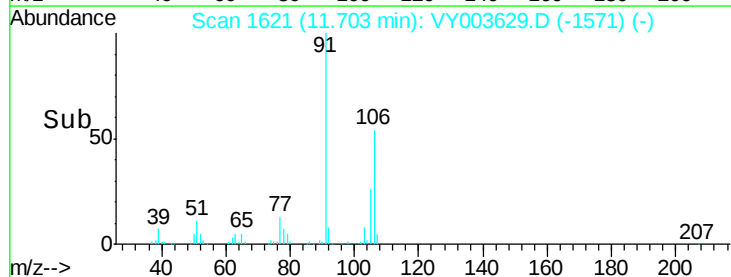
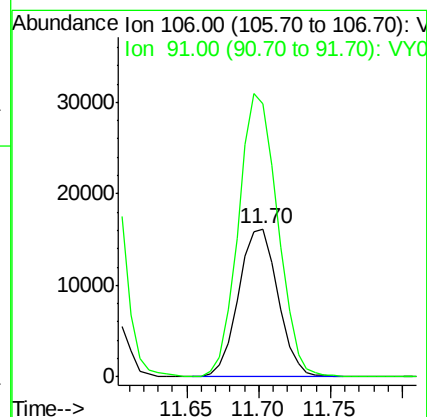
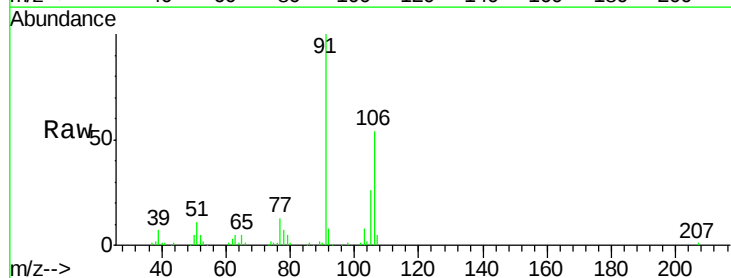
Acq: 01 Dec 2020 11:12

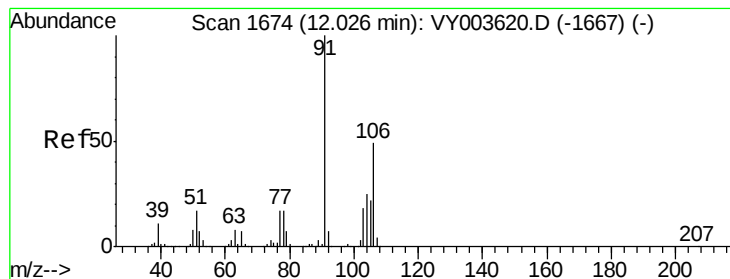
Tgt Ion: 106 Resp: 30883

Ion Ratio Lower Upper

106 100

91 184.6 133.1 247.3





#54

o-Xylene

Concen: 4.885 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VY003629.D

Acq: 01 Dec 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

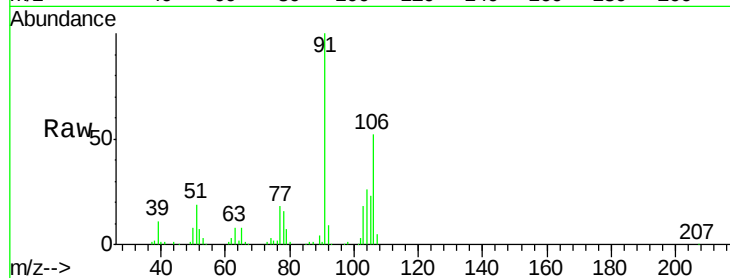
VSTD005405

Tgt Ion:106 Resp: 28880

Ion Ratio Lower Upper

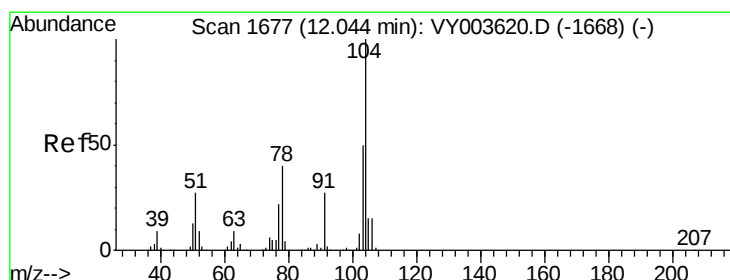
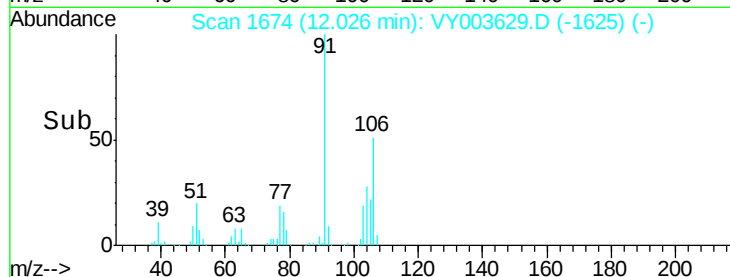
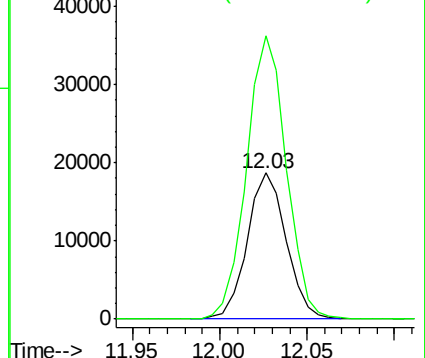
106 100

91 193.4 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

Styrene

Concen: 4.801 ug/L

RT: 12.04 min Scan# 1676

Delta R.T. -0.01 min

Lab File: VY003629.D

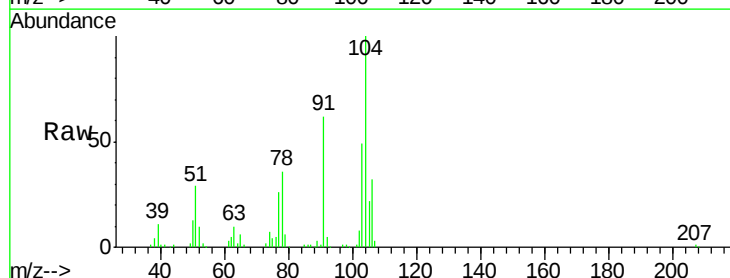
Acq: 01 Dec 2020 11:12

Tgt Ion:104 Resp: 48654

Ion Ratio Lower Upper

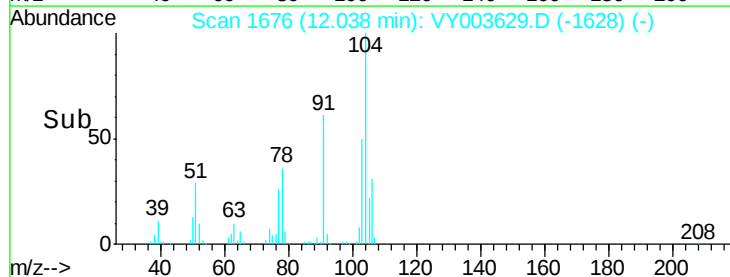
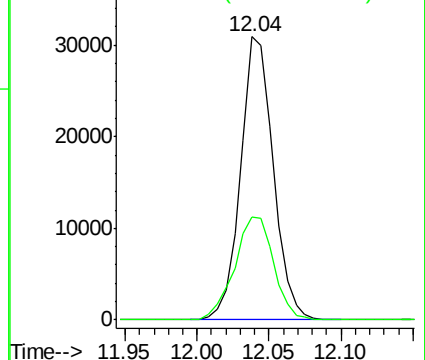
104 100

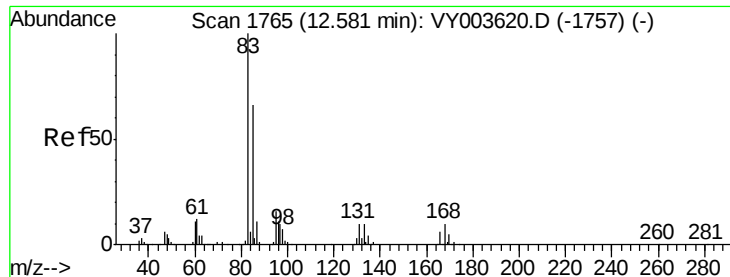
78 36.3 27.6 51.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.104 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VY003629.D

Acq: 01 Dec 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005405

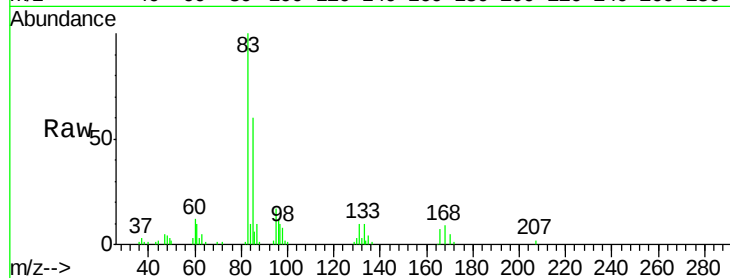
Tgt Ion: 83 Resp: 20130

Ion Ratio Lower Upper

83 100

85 59.9 46.1 85.7

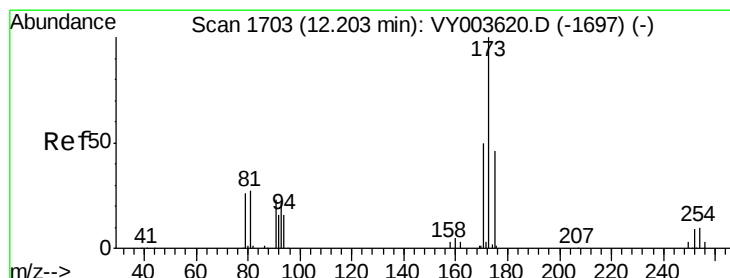
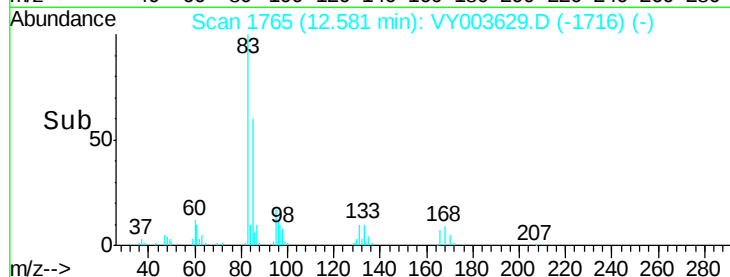
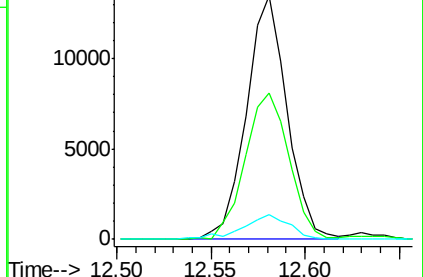
131 10.0 8.1 12.1



Abundance Ion 83.00 (82.70 to 83.70): VY003629.D (-1757) (-)

Ion 85.00 (84.70 to 85.70): VY003629.D (-1757) (-)

Ion 131.00 (130.70 to 131.70): VY003629.D (-1757) (-)



#59

Bromoform

Concen: 4.776 ug/L

RT: 12.21 min Scan# 1704

Delta R.T. 0.01 min

Lab File: VY003629.D

Acq: 01 Dec 2020 11:12

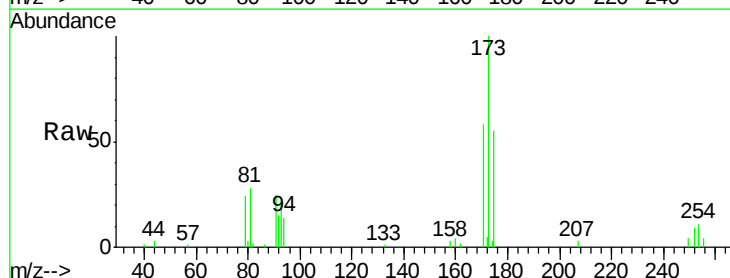
Tgt Ion: 173 Resp: 11297

Ion Ratio Lower Upper

173 100

175 50.4 38.2 57.4

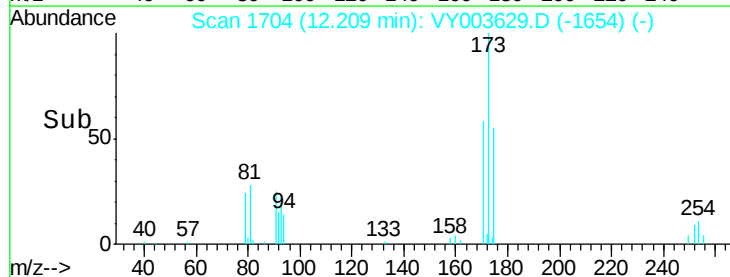
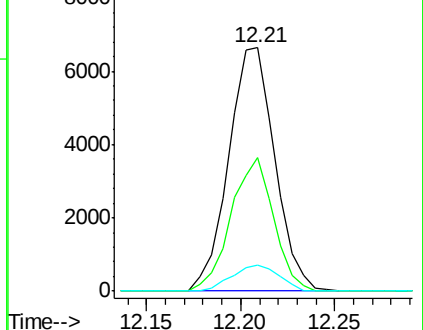
254 11.0 8.0 12.0

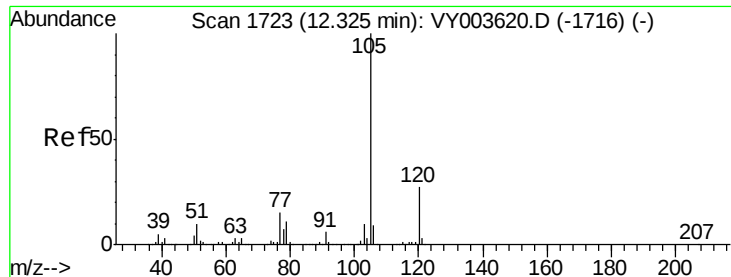


Abundance Ion 173.00 (172.70 to 173.70): VY003629.D (-1697) (-)

Ion 175.00 (174.70 to 175.70): VY003629.D (-1697) (-)

Ion 254.00 (253.70 to 254.70): VY003629.D (-1697) (-)





#60

Isopropylbenzene

Concen: 4.665 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. 0.00 min

Lab File: VY003629.D

Acq: 01 Dec 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005405

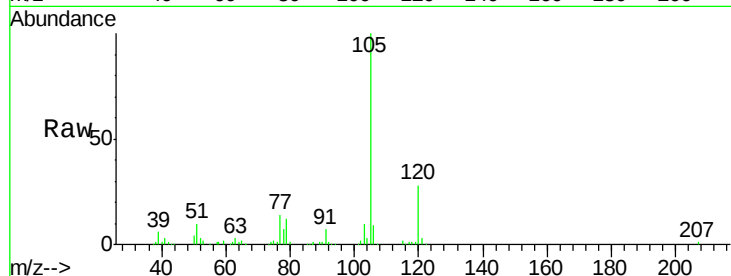
Tgt Ion: 105 Resp: 72799

Ion Ratio Lower Upper

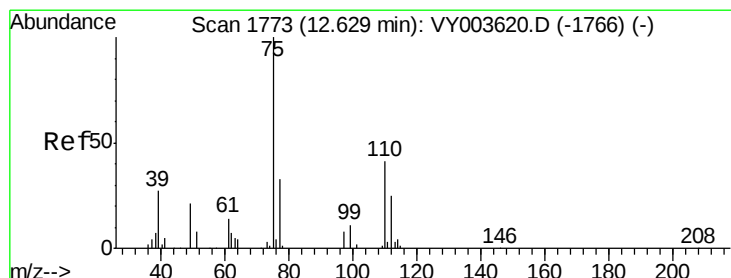
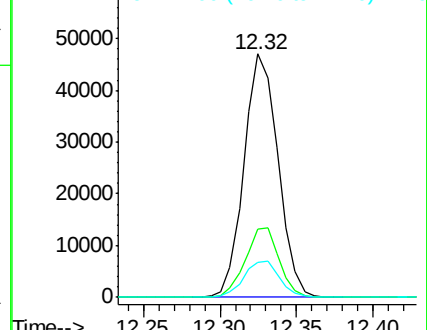
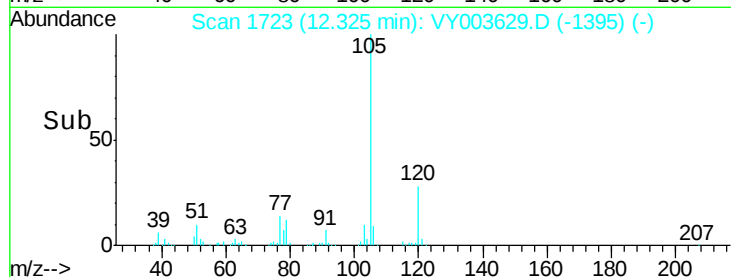
105 100

120 28.3 22.0 33.0

77 15.6 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): VY003629.D (-1395) (-)



#61

1,2,3-Trichloropropane

Concen: 5.116 ug/L

RT: 12.63 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VY003629.D

Acq: 01 Dec 2020 11:12

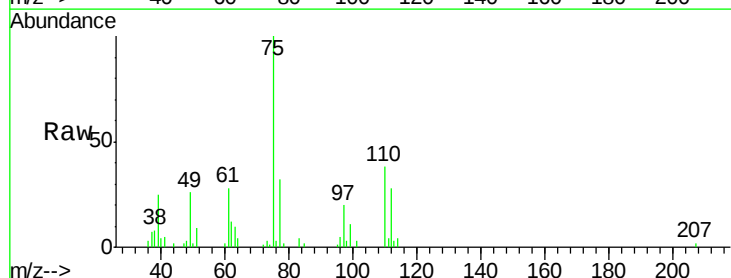
Tgt Ion: 75 Resp: 14521

Ion Ratio Lower Upper

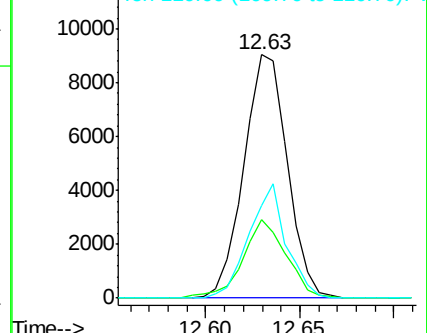
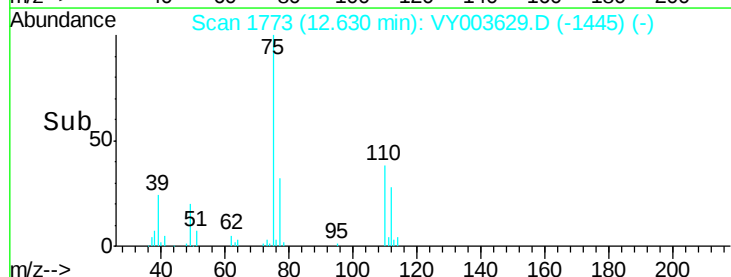
75 100

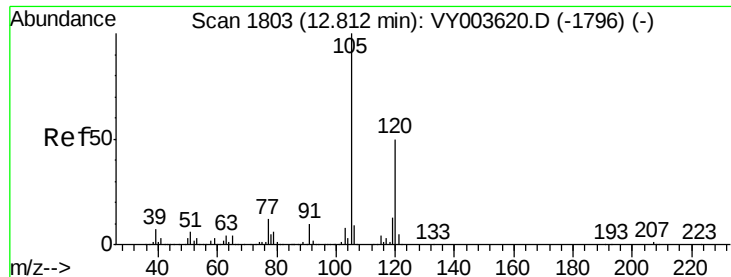
77 32.1 26.3 39.5

110 40.2 33.0 49.4



Abundance Ion 75.00 (74.70 to 75.70): VY003629.D (-1445) (-)





#62

1,3,5-Trimethylbenzene

Concen: 4.609 ug/L

RT: 12.81 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VY003629.D

Acq: 01 Dec 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

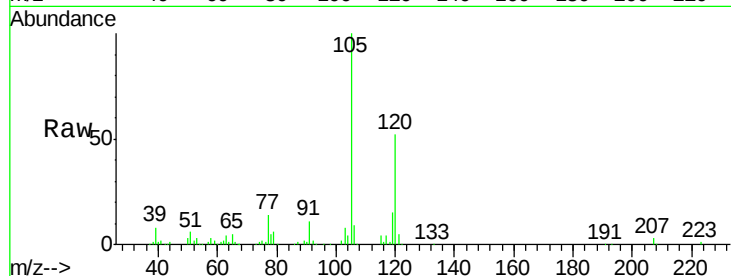
VSTD005405

Tgt Ion:105 Resp: 56587

Ion Ratio Lower Upper

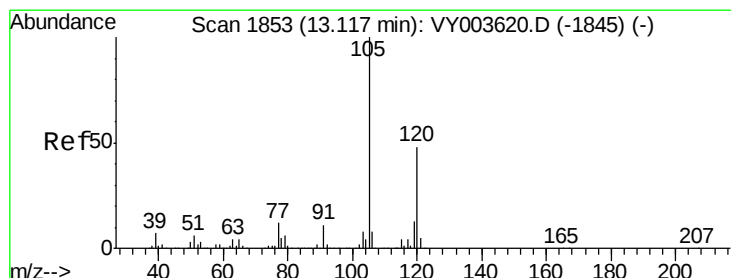
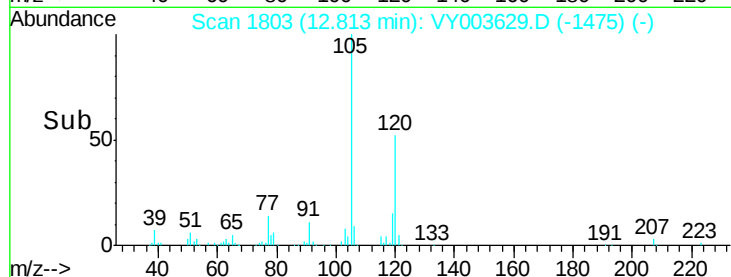
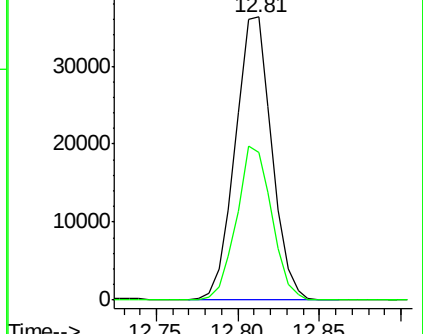
105 100

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: 4.650 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VY003629.D

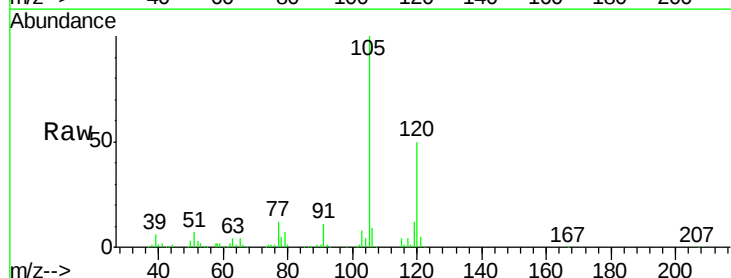
Acq: 01 Dec 2020 11:12

Tgt Ion:105 Resp: 56082

Ion Ratio Lower Upper

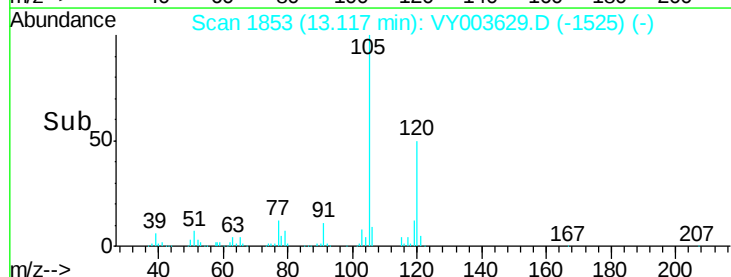
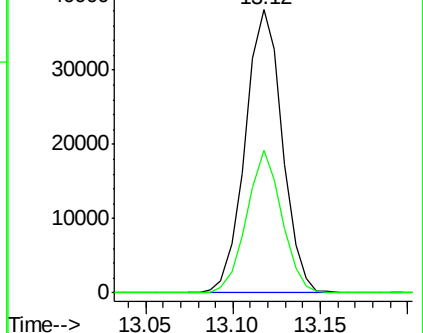
105 100

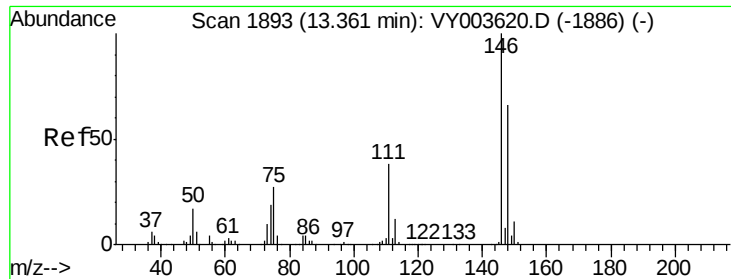
120 47.9 38.0 57.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

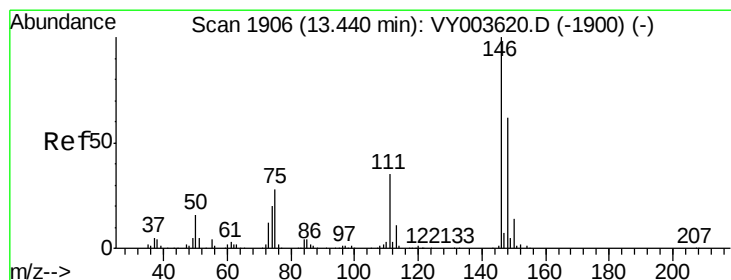
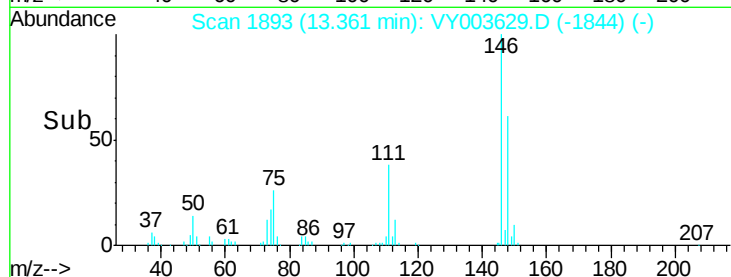
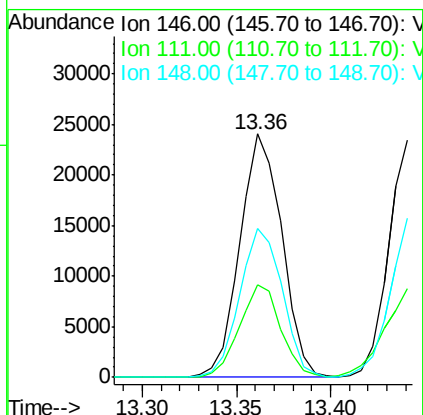
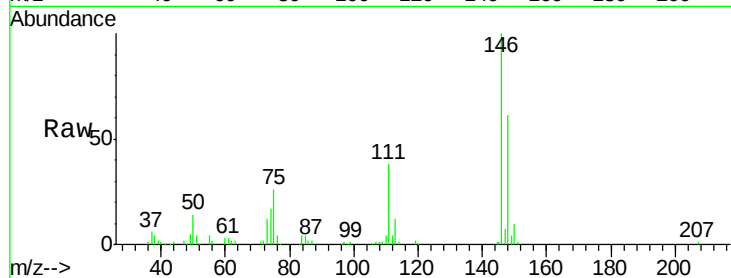




#64
 1,3-Dichlorobenzene
 Concen: 5.016 ug/L
 RT: 13.36 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VY003629.D
 Acq: 01 Dec 2020 11:12

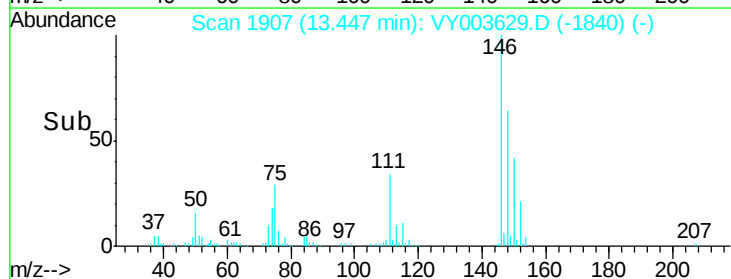
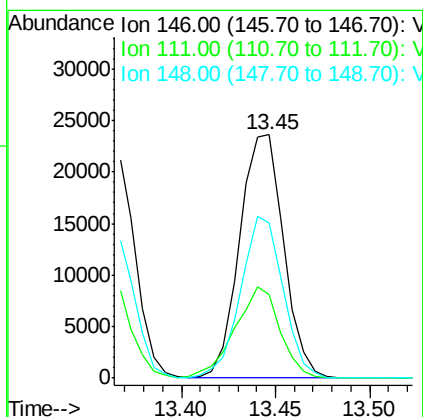
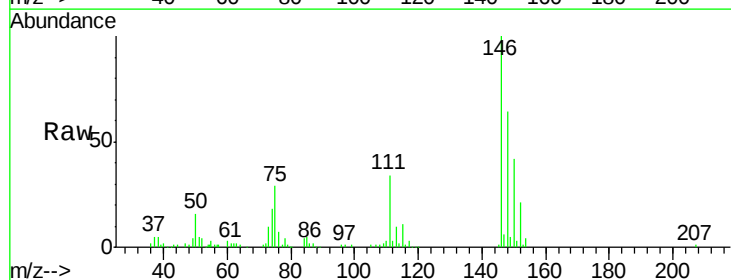
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005405

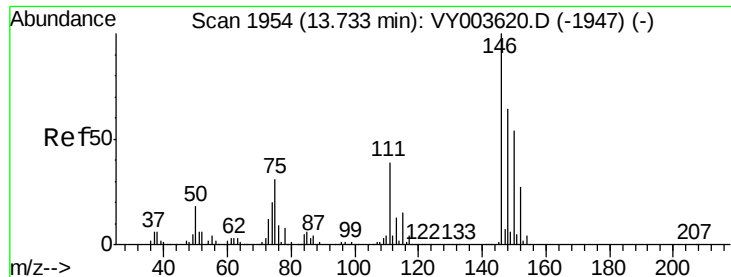
Tgt Ion:146 Resp: 37161
 Ion Ratio Lower Upper
 146 100
 111 38.0 26.6 49.4
 148 61.2 46.3 86.1



#65
 1,4-Dichlorobenzene
 Concen: 5.041 ug/L
 RT: 13.45 min Scan# 1907
 Delta R.T. 0.01 min
 Lab File: VY003629.D
 Acq: 01 Dec 2020 11:12

Tgt Ion:146 Resp: 38248
 Ion Ratio Lower Upper
 146 100
 111 34.4 24.7 45.9
 148 63.9 43.4 80.6

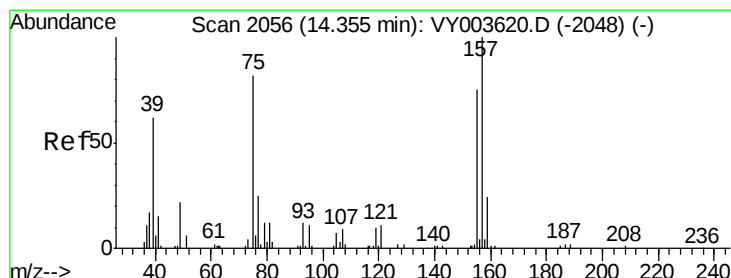
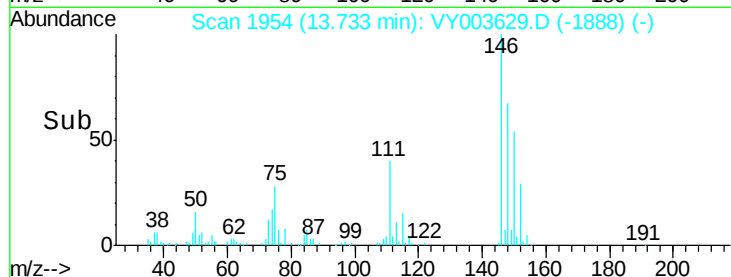
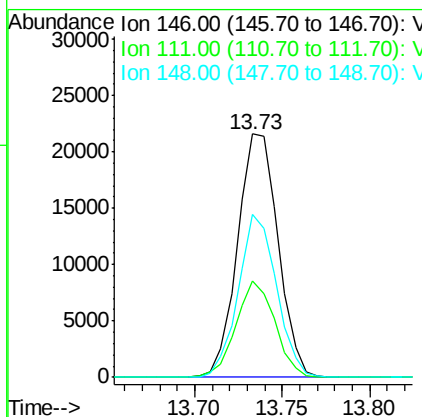
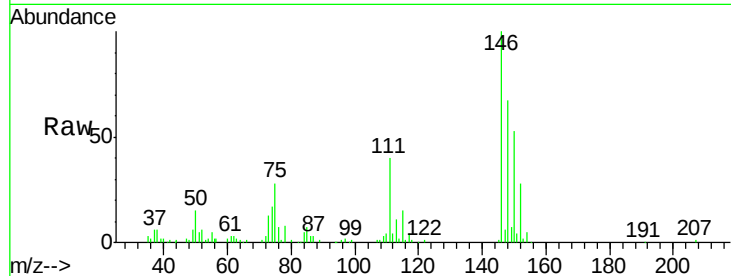




#67
 1,2-Dichlorobenzene
 Concen: 5.075 ug/L
 RT: 13.73 min Scan# 1954
 Delta R.T. 0.00 min
 Lab File: VY003629.D
 Acq: 01 Dec 2020 11:12

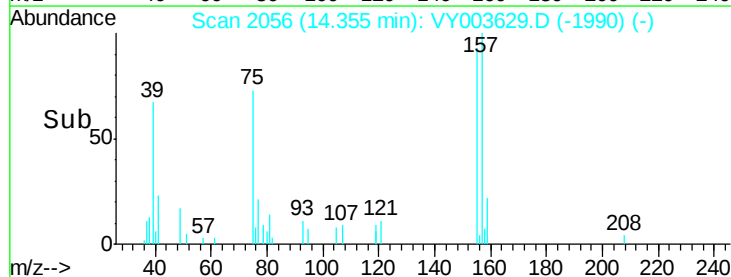
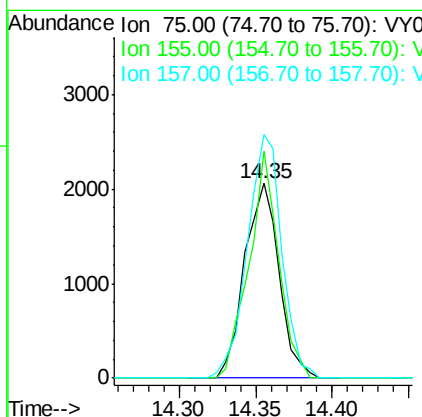
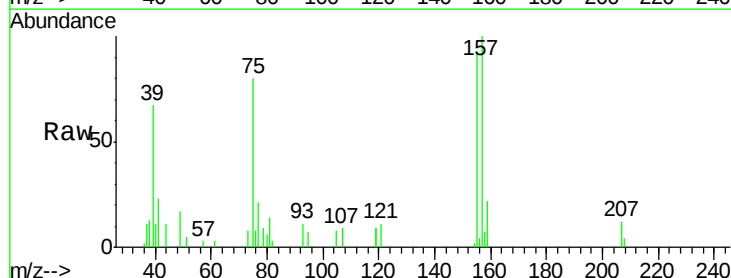
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005405

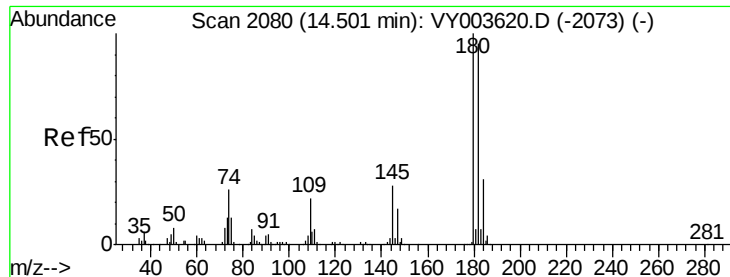
Tgt Ion: 146 Resp: 34872
 Ion Ratio Lower Upper
 146 100
 111 39.5 31.0 46.6
 148 67.1 51.0 76.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.991 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. 0.00 min
 Lab File: VY003629.D
 Acq: 01 Dec 2020 11:12

Tgt Ion: 75 Resp: 3219
 Ion Ratio Lower Upper
 75 100
 155 117.1 73.4 110.0#
 157 125.2 98.1 147.1

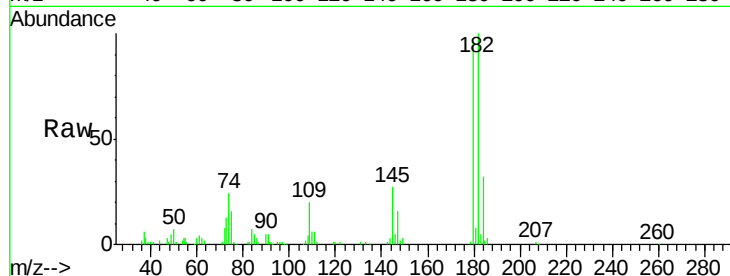




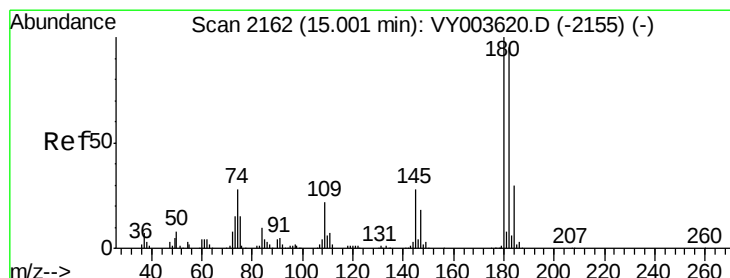
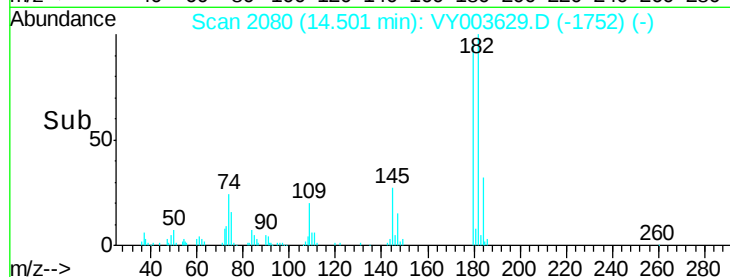
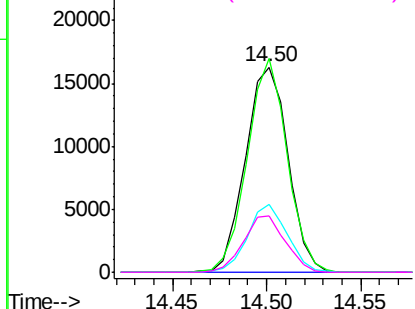
#69
 1,3,5-Trichlorobenzene
 Concen: 4.991 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VY003629.D
 Acq: 01 Dec 2020 11:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005405

Tgt Ion:180 Resp: 25574
 Ion Ratio Lower Upper
 180 100
 182 97.4 75.4 113.0
 184 30.8 24.1 36.1
 145 27.1 22.4 33.6

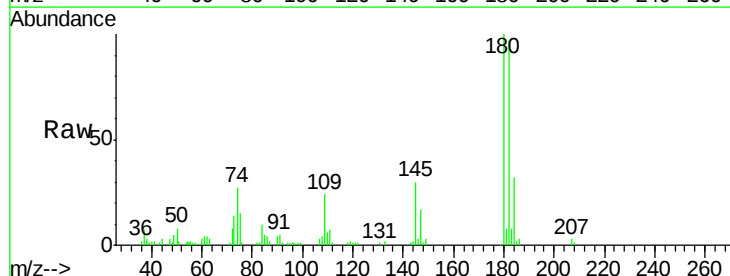


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

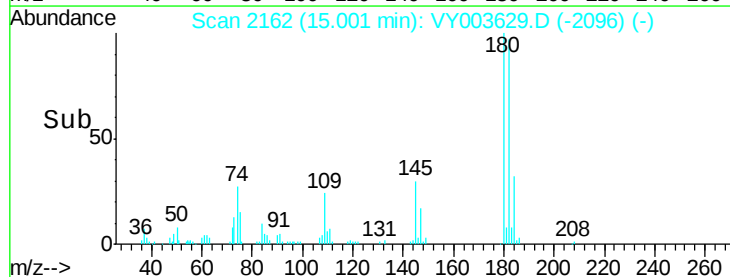
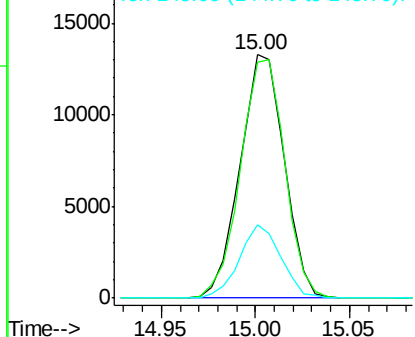


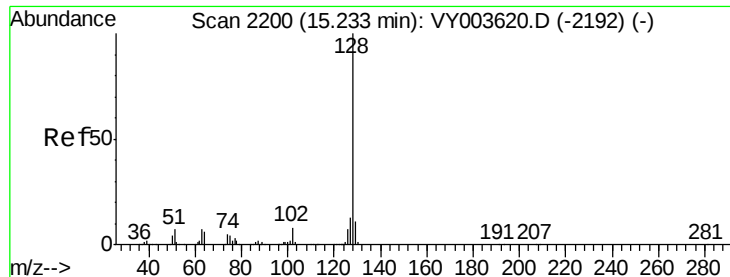
#70
 1,2,4-trichlorobenzene
 Concen: 4.895 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. 0.00 min
 Lab File: VY003629.D
 Acq: 01 Dec 2020 11:12

Tgt Ion:180 Resp: 21605
 Ion Ratio Lower Upper
 180 100
 182 98.1 76.1 114.1
 145 28.2 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

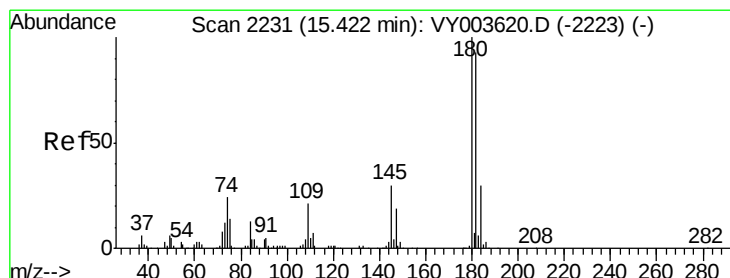
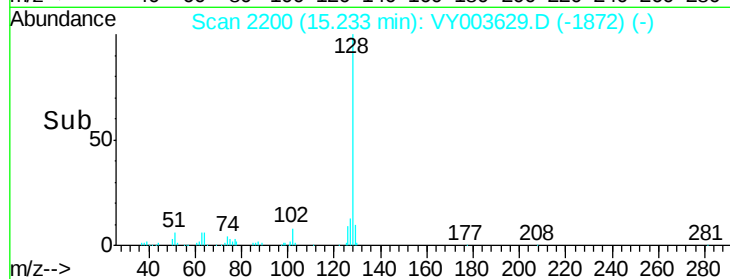
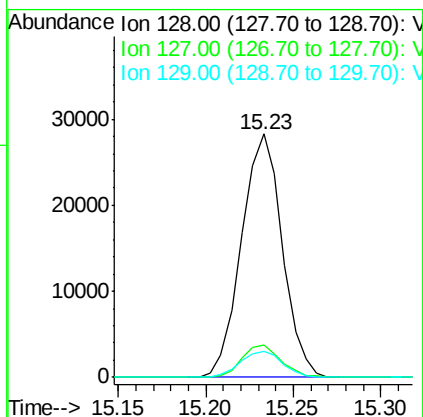
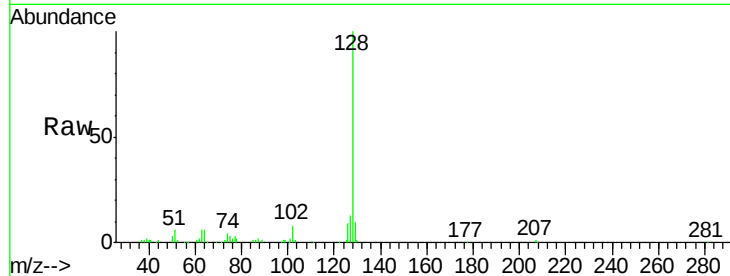




#71
Naphthalene
Concen: 4.992 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VY003629.D
Acq: 01 Dec 2020 11:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTD005405

Tgt Ion:128 Resp: 45870
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.2 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 4.928 ug/L
RT: 15.42 min Scan# 2231
Delta R.T. 0.00 min
Lab File: VY003629.D
Acq: 01 Dec 2020 11:12

Tgt Ion:180 Resp: 19945
Ion Ratio Lower Upper
180 100
182 96.4 76.2 114.4
145 28.5 23.6 35.4

