

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX010721\
 Data File : VX020515.D
 Acq On : 06 Jan 2021 13:06
 Operator : JC/MD
 Sample : VSTD00533
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005403

Quant Time: Jan 06 15:09:00 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM010721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 06 15:06:45 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.82	114	332722	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.09	117	323158	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	150994	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	12242	5.23	ug/L	0.00
7) Chloroethane-d5	1.69	69	9774	5.43	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.34	63	21276	4.57	ug/L	0.00
21) 2-Butanone-d5	4.53	46	14133	9.42	ug/L	0.00
24) Chloroform-d	5.14	84	18073	4.15	ug/L	0.00
26) 1,2-Dichloroethane-d4	6.03	65	14651	4.58	ug/L	0.00
32) Benzene-d6	6.04	84	42390	4.84	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.37	67	13441	4.93	ug/L	0.00
41) Toluene-d8	8.70	98	35700	4.20	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.99	79	5599	3.71	ug/L	0.00
47) 2-Hexanone-d5	9.42	63	8781	7.72	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	11.23	84	17723	4.84	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.36	152	13774	4.64	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	13270	4.508 ug/L	99
3) Chloromethane	1.31	50	11923	5.115 ug/L	96
5) Vinyl chloride	1.39	62	12577	4.898 ug/L	95
6) Bromomethane	1.63	94	7628	5.566 ug/L	98
8) Chloroethane	1.71	64	7412	4.927 ug/L	97
9) Trichlorofluoromethane	1.92	101	15568	3.832 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	9343	4.101 ug/L	98
12) 1,1-Dichloroethene	2.36	96	8981	4.171 ug/L	92
13) Acetone	2.42	43	11065	9.767 ug/L	95
14) Carbon disulfide	2.55	76	29657	4.516 ug/L	99
15) Methyl Acetate	2.75	43	9758	4.147 ug/L	99
16) Methylene chloride	2.83	84	11529	4.821 ug/L	98
17) trans-1,2-Dichloroethene	3.14	96	9979	4.404 ug/L	96
18) Methyl tert-butyl Ether	3.17	73	27621	3.843 ug/L	99
19) 1,1-Dichloroethane	3.67	63	18037	4.311 ug/L	94
20) cis-1,2-Dichloroethene	4.56	96	6141	2.465 ug/L	89
22) 2-Butanone	4.64	43	14674	8.630 ug/L	98
23) Bromochloromethane	4.98	128	5584	4.163 ug/L	96
25) Chloroform	5.17	83	22273	4.780 ug/L	99
27) 1,2-Dichloroethane	6.16	62	14548	3.985 ug/L	98
29) Cyclohexane	5.54	56	13048	3.608 ug/L	99
30) 1,1,1-Trichloroethane	5.45	97	15554	3.634 ug/L	99
31) Carbon tetrachloride	5.74	117	13326	3.495 ug/L	99
33) Benzene	6.11	78	40119	4.297 ug/L	100
34) Trichloroethene	7.18	95	10546	4.133 ug/L	97
35) Methylcyclohexane	7.43	83	13553	3.620 ug/L	97
37) 1,2-Dichloropropane	7.48	63	10241	4.180 ug/L	# 96
38) Bromodichloromethane	7.87	83	12996	3.792 ug/L	94
39) cis-1,3-Dichloropropene	8.41	75	13704	3.516 ug/L	97
40) 4-Methyl-2-pentanone	8.62	43	22165	6.828 ug/L	98

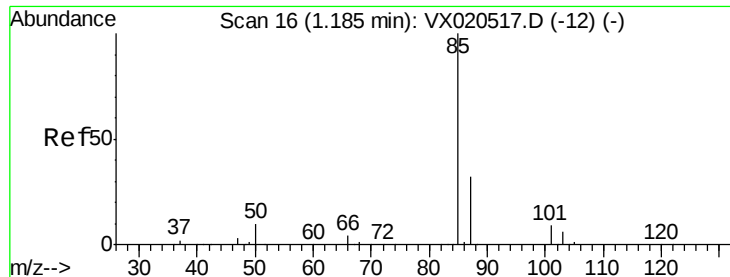
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX010721\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.76	91	38436	3.839	ug/L	99
44) trans-1,3-Dichloropropene	9.02	75	12675	3.212	ug/L	98
45) 1,1,2-Trichloroethane	9.20	97	10988	4.673	ug/L	91
46) Tetrachloroethene	9.32	164	8150	3.945	ug/L	94
48) 2-Hexanone	9.47	43	18320	7.207	ug/L	93
49) Dibromochloromethane	9.56	129	9930	3.474	ug/L	97
50) 1,2-Dibromoethane	9.65	107	10565	4.115	ug/L	99
51) Chlorobenzene	10.12	112	26548	4.023	ug/L	100
52) Ethylbenzene	10.23	91	40257	3.632	ug/L	99
53) m,p-Xylene	10.34	106	14305	3.418	ug/L	94
54) o-Xylene	10.68	106	13915	3.466	ug/L	99
55) Styrene	10.70	104	22700	3.271	ug/L	97
57) 1,1,2,2-Tetrachloroethane	11.25	83	15378	4.212	ug/L	99
59) Bromoform	10.84	173	6644	3.396	ug/L	99
60) Isopropylbenzene	11.00	105	35534	3.611	ug/L	98
61) 1,2,3-Trichloropropane	11.27	75	12754	4.505	ug/L	98
62) 1,3,5-Trimethylbenzene	11.49	105	26657	3.269	ug/L	100
63) 1,2,4-Trimethylbenzene	11.79	105	26153	3.169	ug/L	97
64) 1,3-Dichlorobenzene	12.01	146	18080	3.773	ug/L	96
65) 1,4-Dichlorobenzene	12.08	146	19328	3.994	ug/L	96
67) 1,2-Dichlorobenzene	12.37	146	18856	4.040	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.98	75	2919	3.599	ug/L	91
69) 1,3,5-Trichlorobenzene	13.15	180	12142	3.738	ug/L	97
70) 1,2,4-trichlorobenzene	13.63	180	9337	3.177	ug/L	97
71) Naphthalene	13.82	128	26600	2.862	ug/L	100
72) 1,2,3-Trichlorobenzene	14.00	180	9770	3.321	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.508 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

Instrument :

MSVOA_X

ClientSampleId :

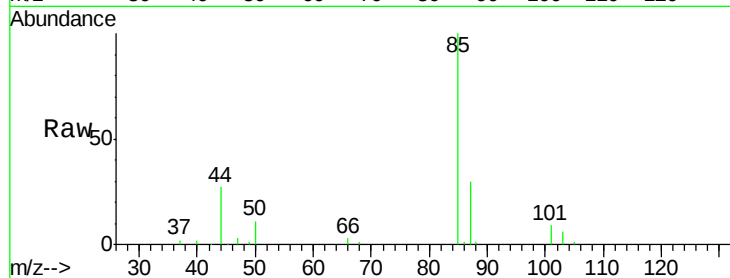
VSTD005403

Tgt Ion: 85 Resp: 13270

Ion Ratio Lower Upper

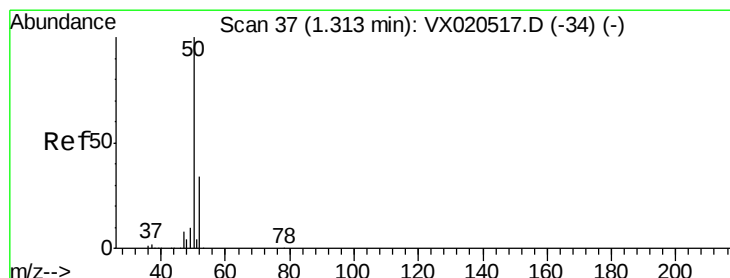
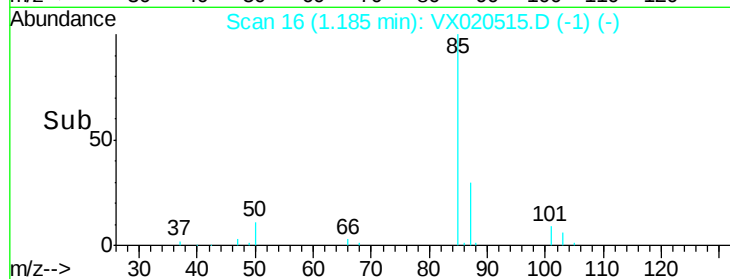
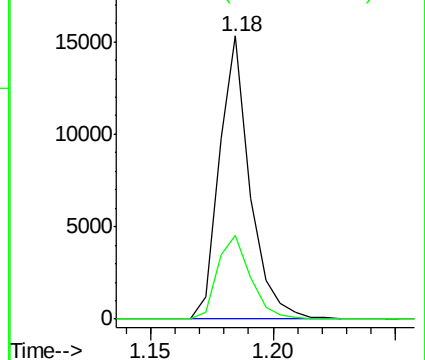
85 100

87 32.0 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#3

Chloromethane

Concen: 5.115 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX020515.D

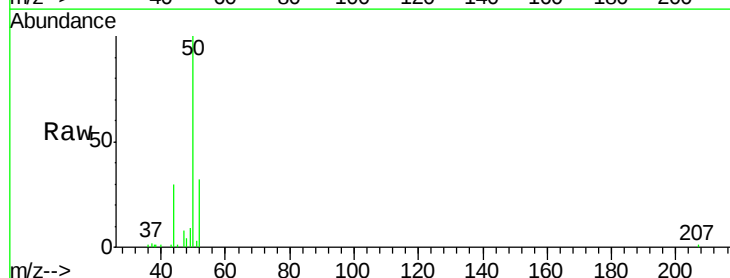
Acq: 06 Jan 2021 13:06

Tgt Ion: 50 Resp: 11923

Ion Ratio Lower Upper

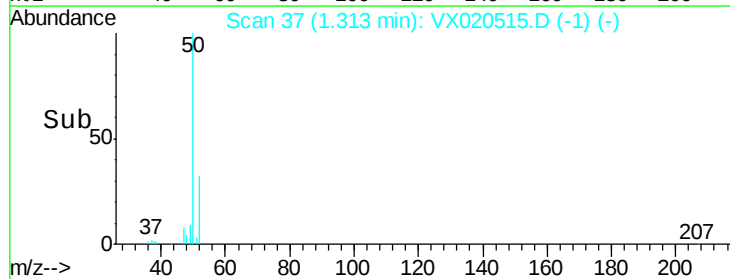
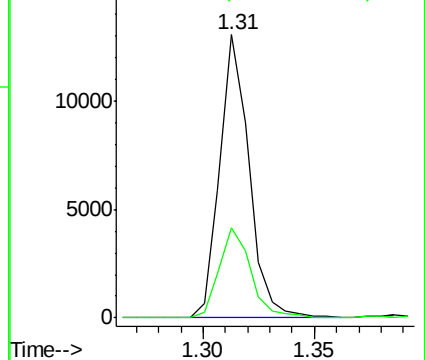
50 100

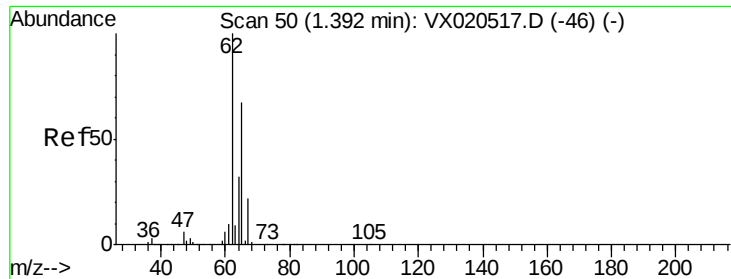
52 31.6 23.7 43.9



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Vinyl chloride

Concen: 4.898 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

Instrument :

MSVOA_X

ClientSampleId :

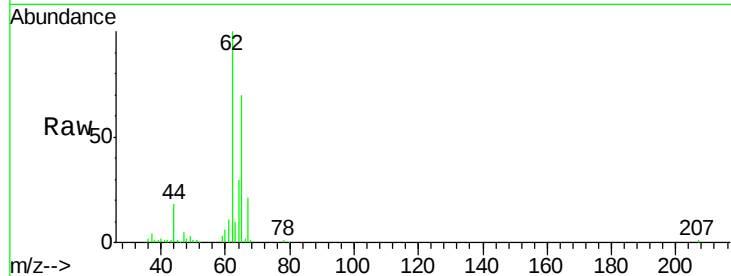
VSTD005403

Tgt Ion: 62 Resp: 12577

Ion Ratio Lower Upper

62 100

64 29.6 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0

1.39

15000

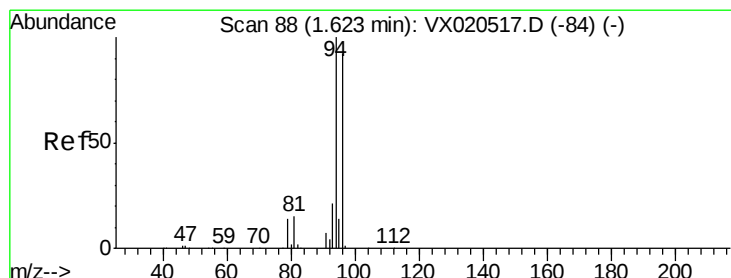
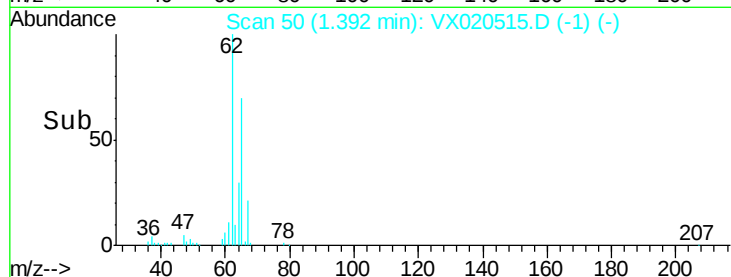
10000

5000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 5.566 ug/L

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX020515.D

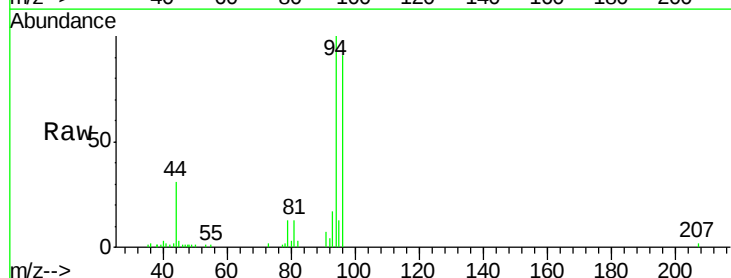
Acq: 06 Jan 2021 13:06

Tgt Ion: 94 Resp: 7628

Ion Ratio Lower Upper

94 100

96 91.0 64.8 120.3



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.63

6000

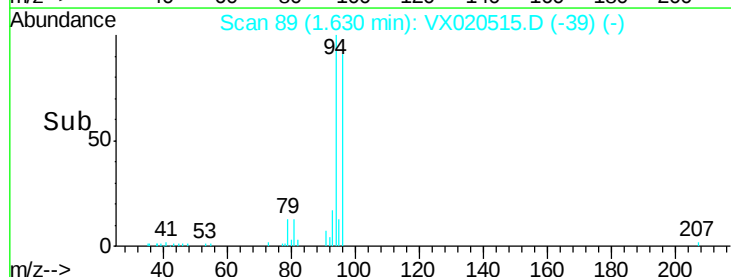
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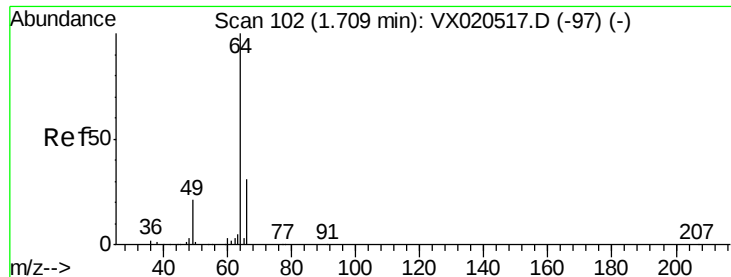
2000

0

Time-->

1.60 1.65 1.70





#8

Chloroethane

Concen: 4.927 ug/L

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

Instrument :

MSVOA_X

ClientSampleId :

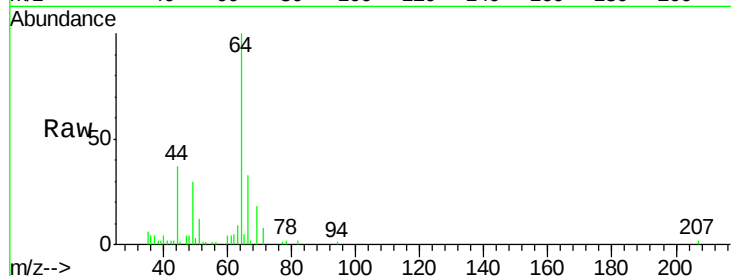
VSTD005403

Tgt Ion: 64 Resp: 7412

Ion Ratio Lower Upper

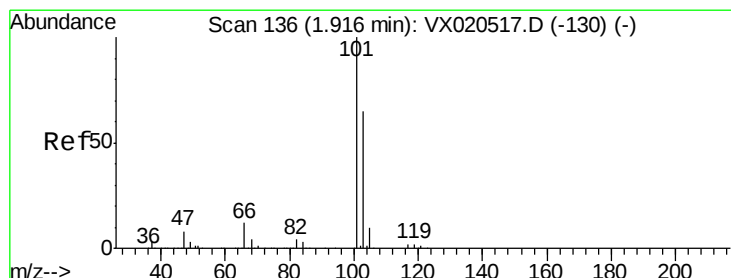
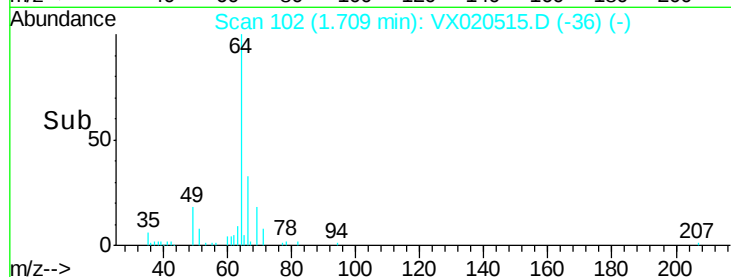
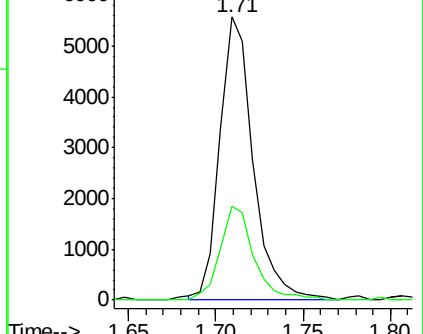
64 100

66 33.2 22.0 41.0



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



#9

Trichlorofluoromethane

Concen: 3.832 ug/L

RT: 1.92 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX020515.D

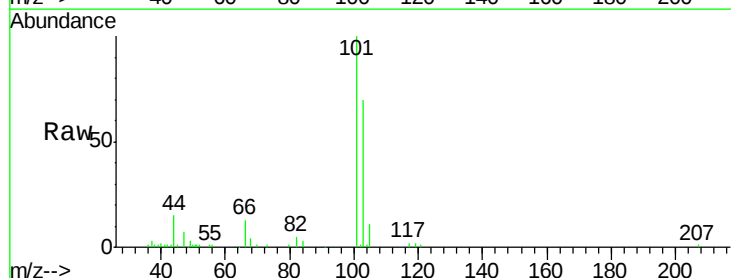
Acq: 06 Jan 2021 13:06

Tgt Ion: 101 Resp: 15568

Ion Ratio Lower Upper

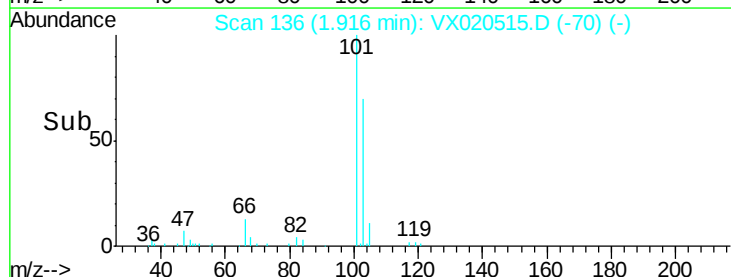
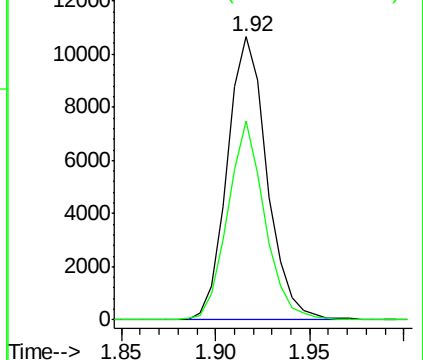
101 100

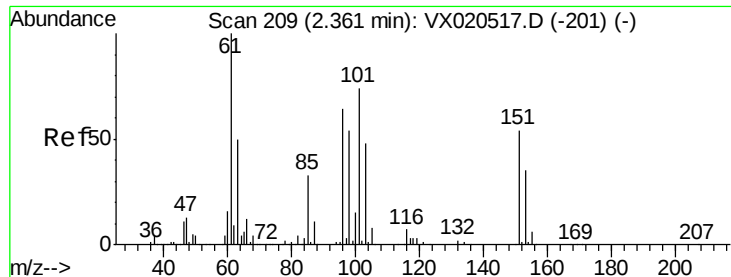
103 65.6 52.2 78.2



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: 4.101 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

Instrument :

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ClientSampleId :

VSTD005403

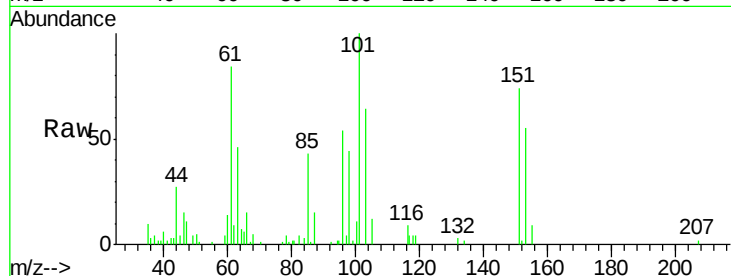
Tgt Ion: 101 Resp: 9343

Ion Ratio Lower Upper

101 100

85 44.0 34.3 51.5

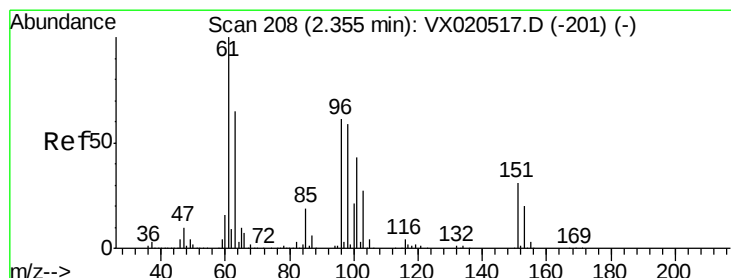
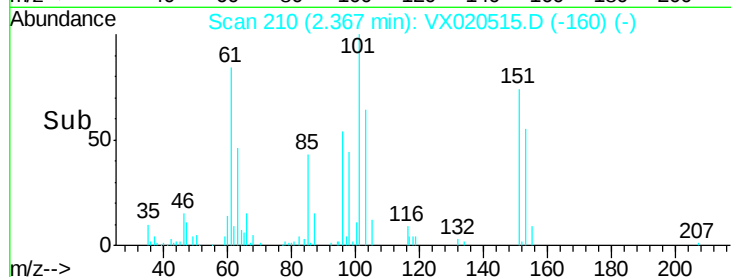
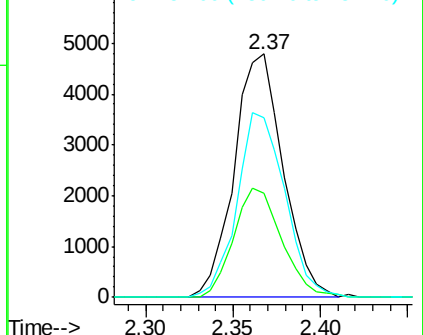
151 73.9 60.7 91.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.171 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

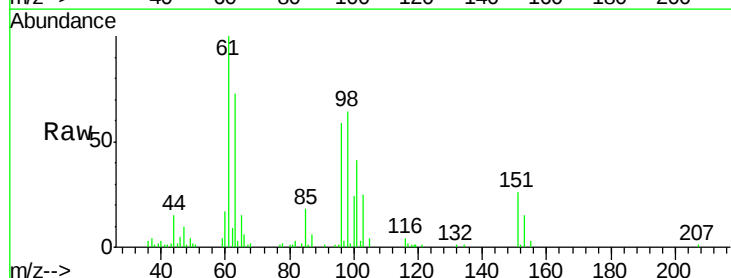
Tgt Ion: 96 Resp: 8981

Ion Ratio Lower Upper

96 100

61 170.7 115.5 214.5

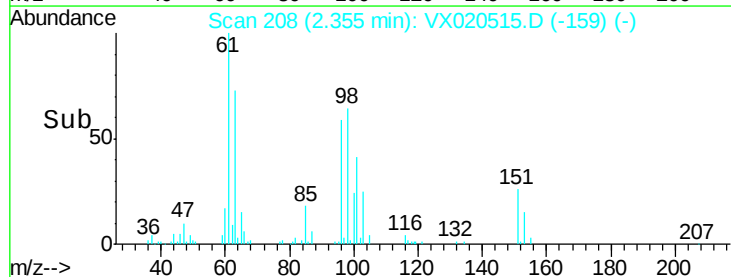
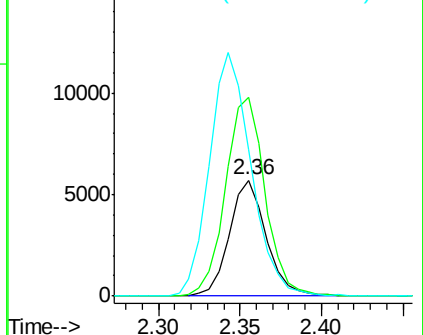
63 125.4 77.3 143.7

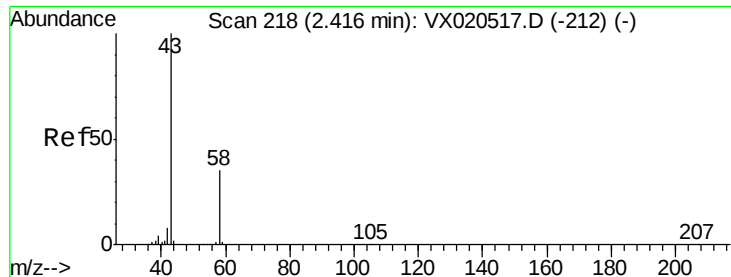


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 9.767 ug/L

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

Instrument :

MSVOA_X

ClientSampleId :

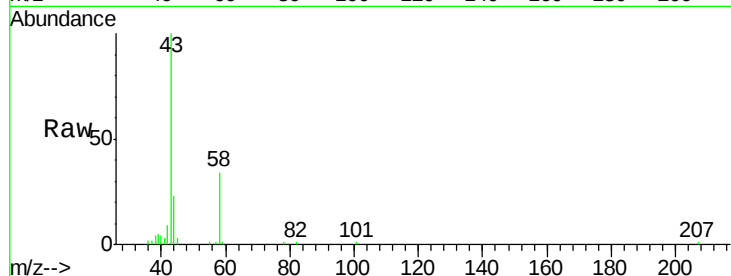
VSTD005403

Tgt Ion: 43 Resp: 11065

Ion Ratio Lower Upper

43 100

58 37.2 0.0 68.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

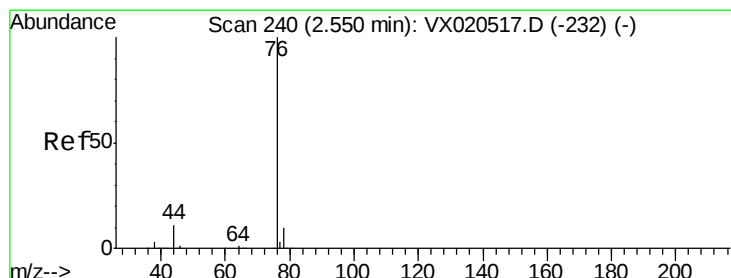
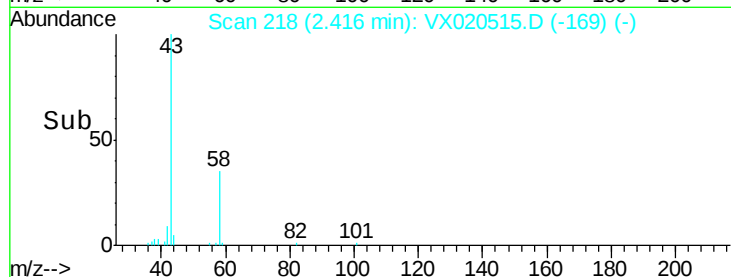
6000

4000

2000

0

Time--> 2.35 2.40 2.45



#14

Carbon disulfide

Concen: 4.516 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX020515.D

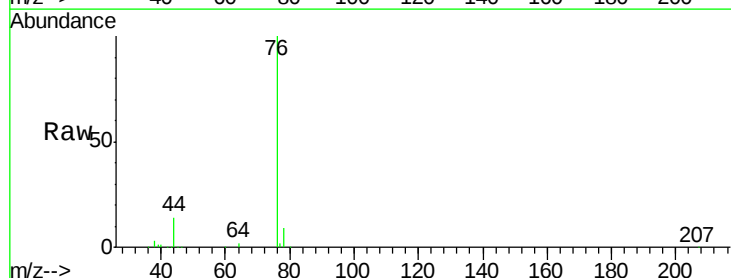
Acq: 06 Jan 2021 13:06

Tgt Ion: 76 Resp: 29657

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

2.55

20000

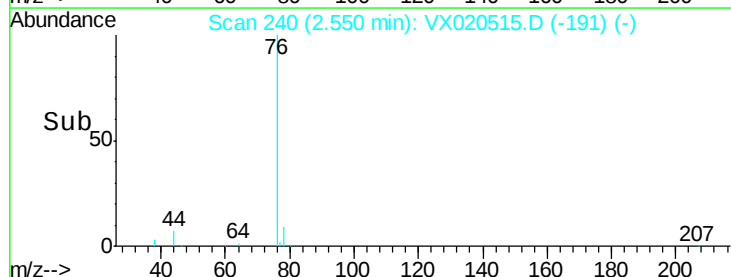
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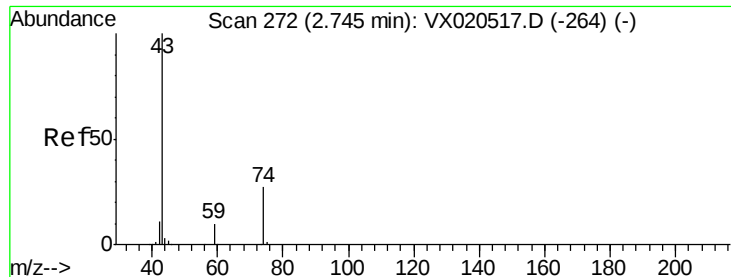
10000

5000

0

Time--> 2.50 2.55 2.60 2.65

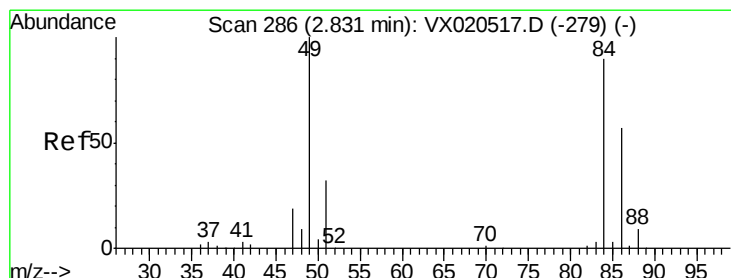
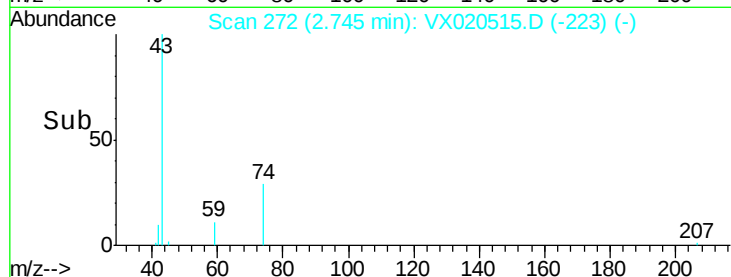
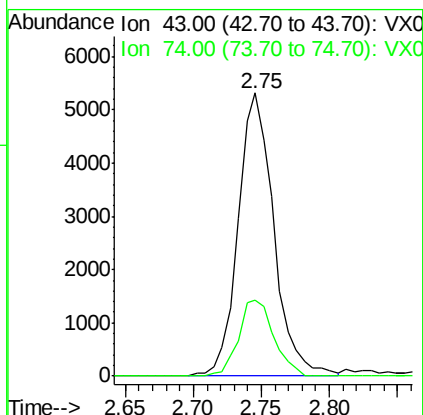
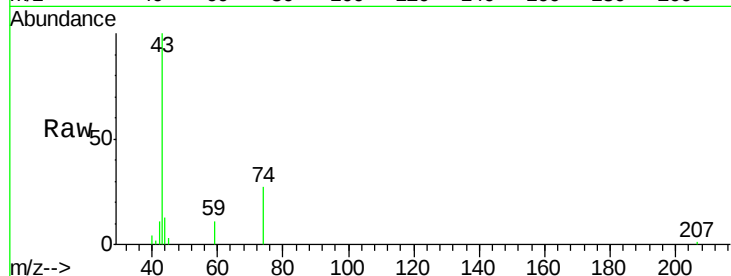




#15
Methyl Acetate
Concen: 4.147 ug/L
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX020515.D
Acq: 06 Jan 2021 13:06

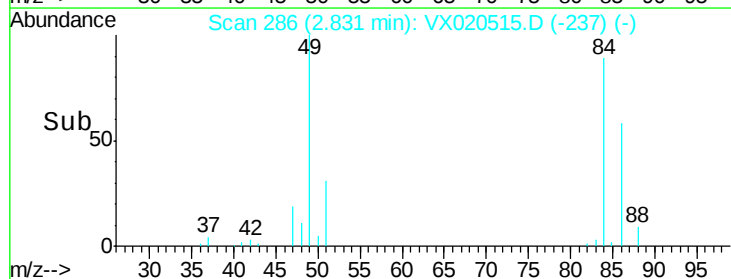
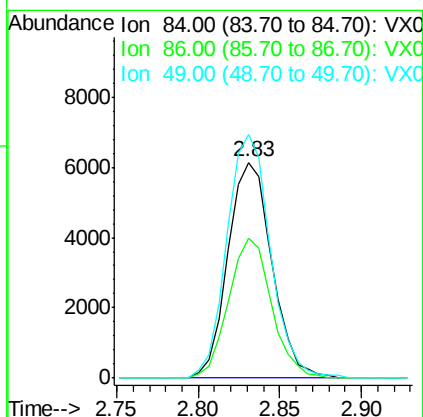
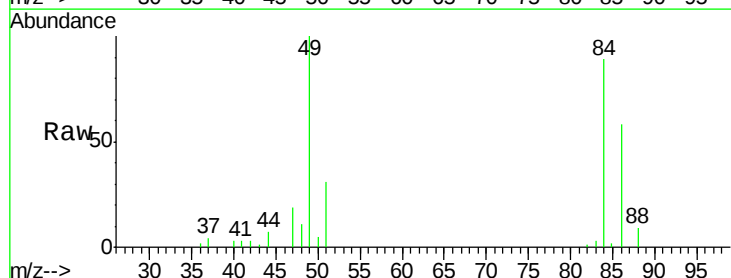
Instrument :
MSVOA_X
ClientSampleId :
VSTD005403

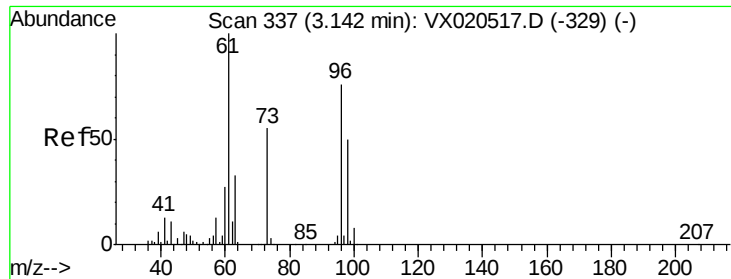
Tgt Ion: 43 Resp: 9758
Ion Ratio Lower Upper
43 100
74 26.5 21.7 32.5



#16
Methylene chloride
Concen: 4.821 ug/L
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX020515.D
Acq: 06 Jan 2021 13:06

Tgt Ion: 84 Resp: 11529
Ion Ratio Lower Upper
84 100
86 65.1 44.2 82.0
49 113.0 77.8 144.6

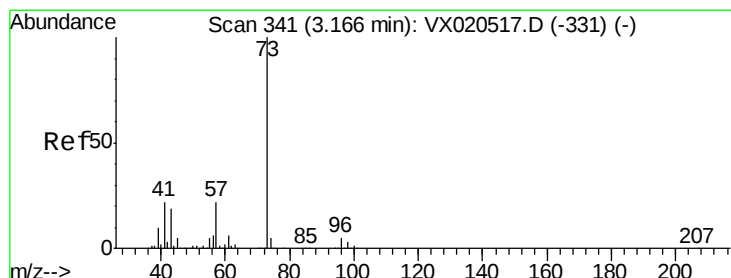
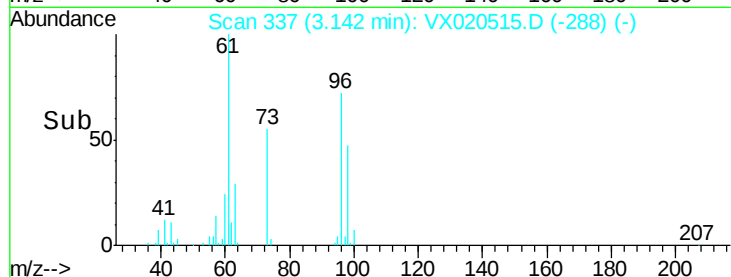
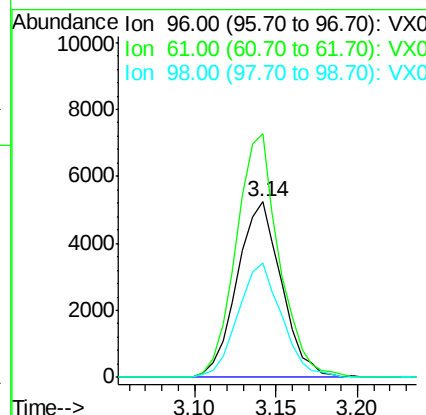
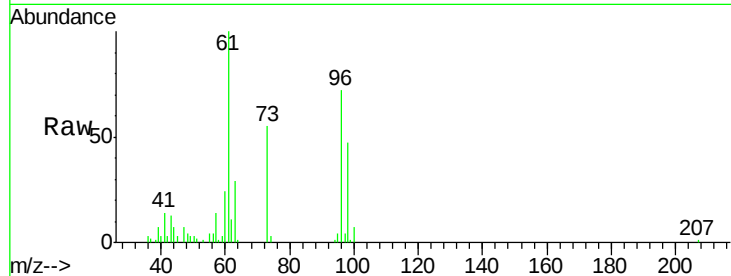




#17
 trans-1,2-Dichloroethene
 Concen: 4.404 ug/L
 RT: 3.14 min Scan# 337
 Delta R.T. 0.00 min
 Lab File: VX020515.D
 Acq: 06 Jan 2021 13:06

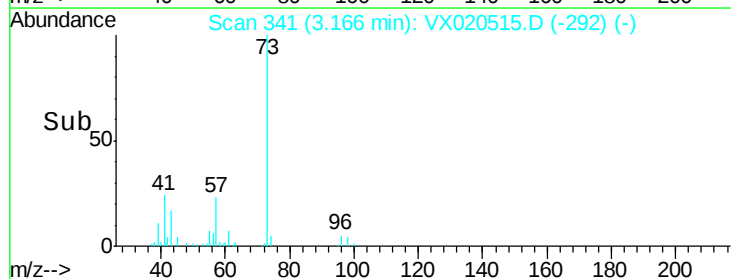
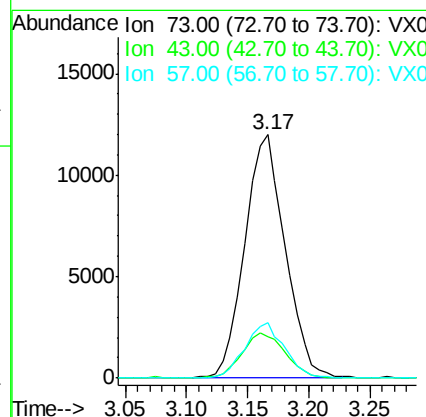
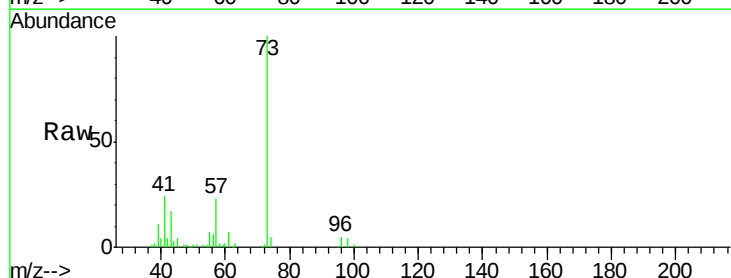
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005403

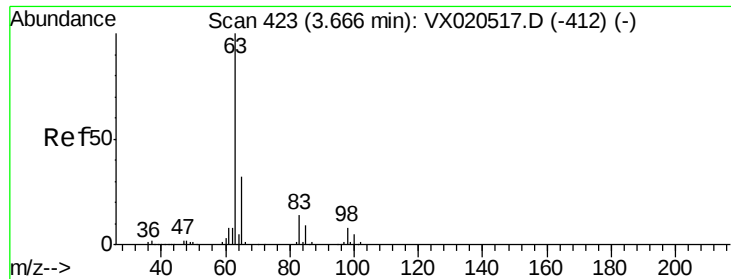
Tgt Ion: 96 Resp: 9979
 Ion Ratio Lower Upper
 96 100
 61 138.6 92.3 171.3
 98 65.2 46.3 85.9



#18
 Methyl tert-butyl Ether
 Concen: 3.843 ug/L
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX020515.D
 Acq: 06 Jan 2021 13:06

Tgt Ion: 73 Resp: 27621
 Ion Ratio Lower Upper
 73 100
 43 19.8 15.1 22.7
 57 22.3 17.4 26.2

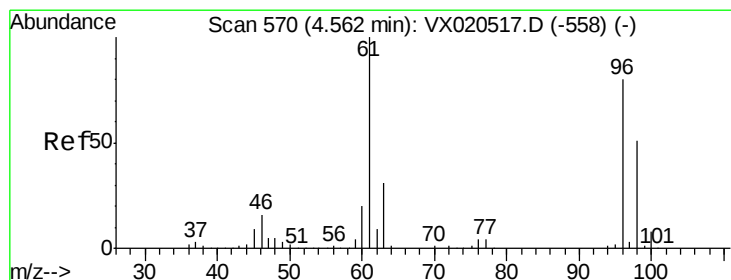
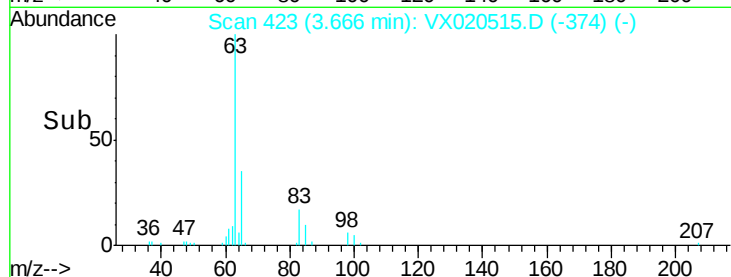
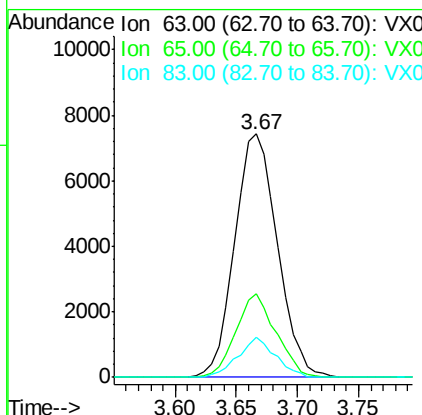
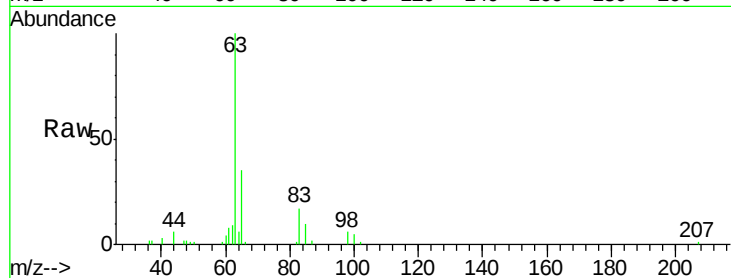




#19
 1,1-Dichloroethane
 Concen: 4.311 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: VX020515.D
 Acq: 06 Jan 2021 13:06

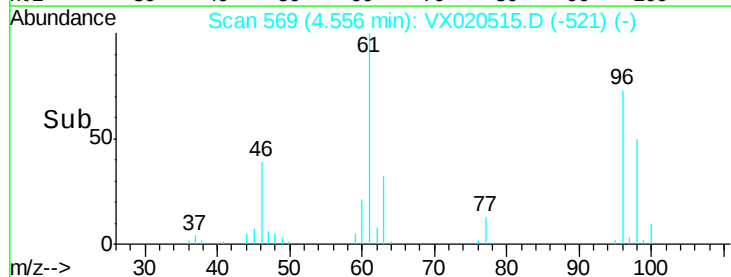
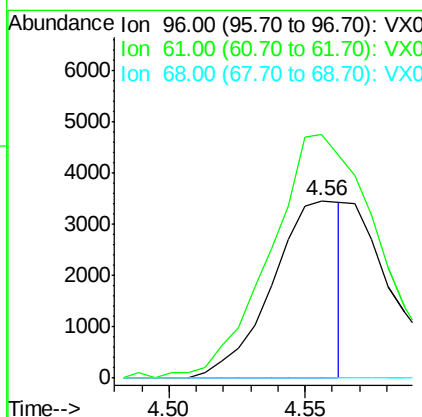
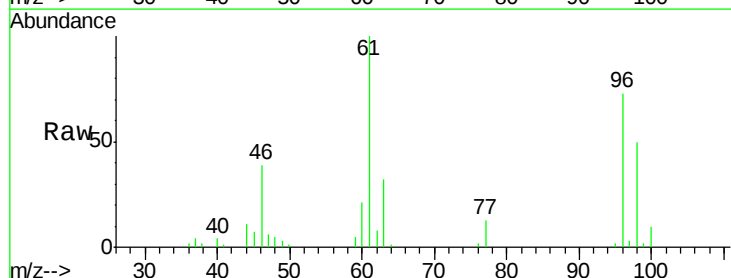
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005403

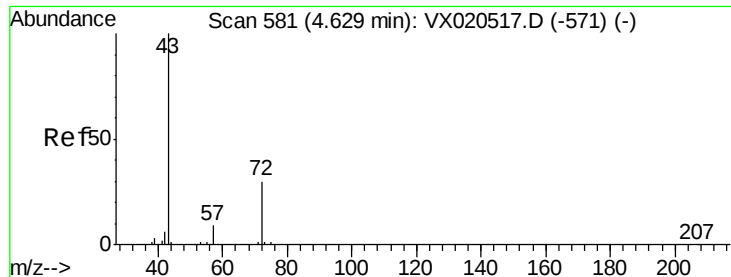
Tgt Ion: 63 Resp: 18037
 Ion Ratio Lower Upper
 63 100
 65 34.5 22.4 41.6
 83 16.7 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 2.465 ug/L
 RT: 4.56 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VX020515.D
 Acq: 06 Jan 2021 13:06

Tgt Ion: 96 Resp: 6141
 Ion Ratio Lower Upper
 96 100
 61 137.5 87.8 163.0
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 8.630 ug/L

RT: 4.64 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

Instrument :

MSVOA_X

ClientSampleId :

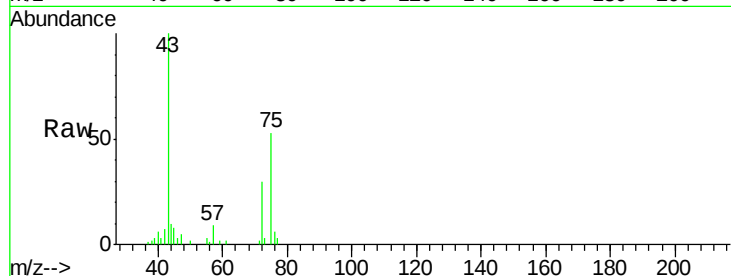
VSTD005403

Tgt Ion: 43 Resp: 14674

Ion Ratio Lower Upper

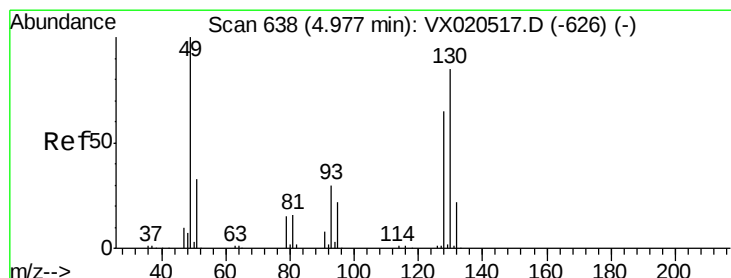
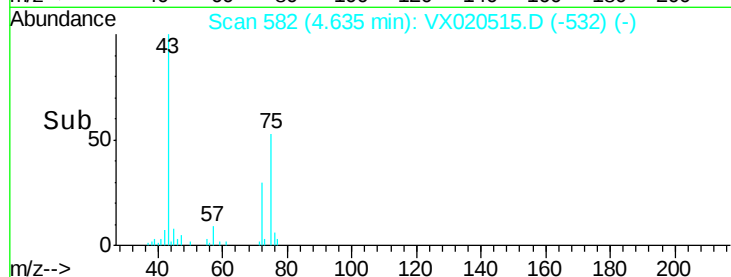
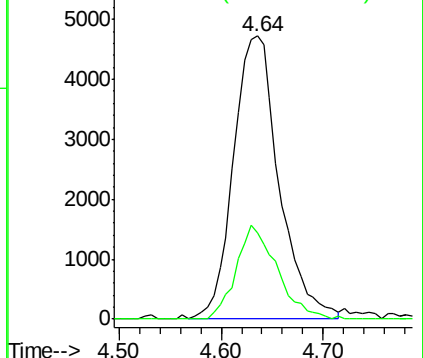
43 100

72 29.6 15.3 45.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#23

Bromochloromethane

Concen: 4.163 ug/L

RT: 4.98 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

Tgt Ion: 128 Resp: 5584

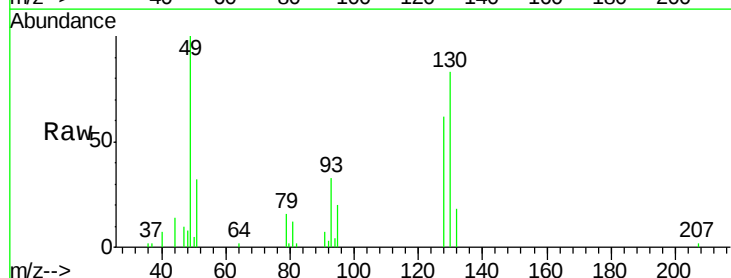
Ion Ratio Lower Upper

128 100

49 161.1 107.5 199.7

130 133.3 91.1 169.3

51 51.3 40.3 60.5

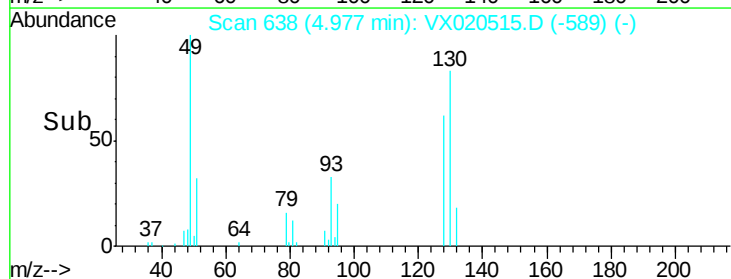
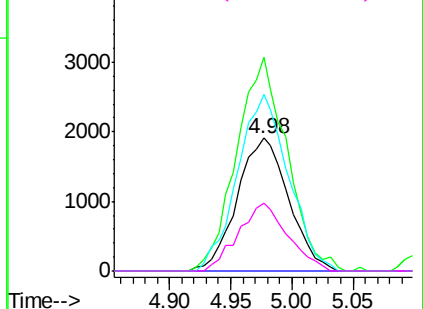


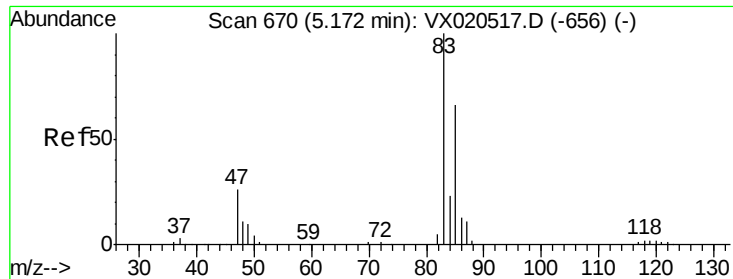
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VX0

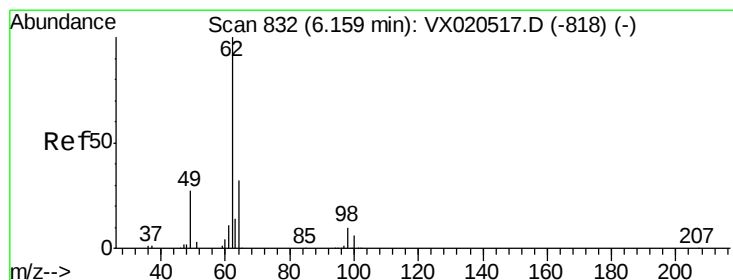
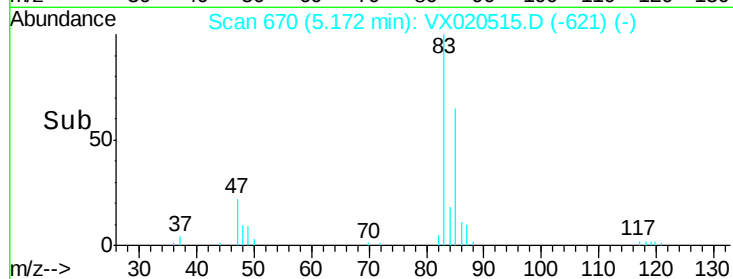
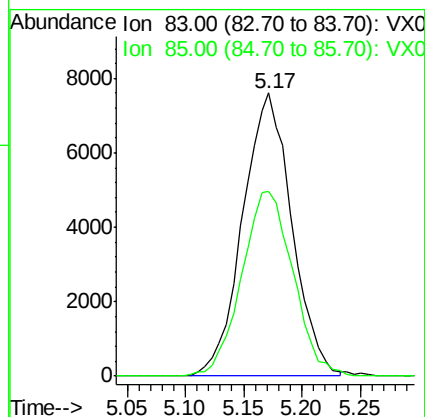
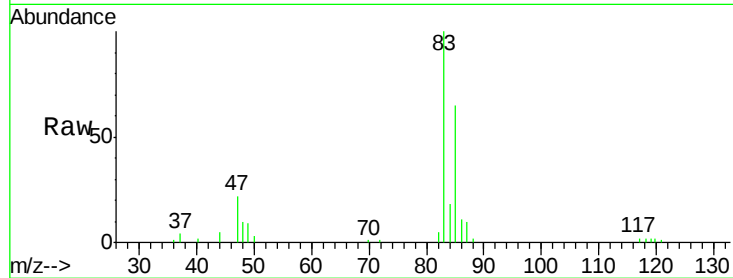




#25
Chloroform
Concen: 4.780 ug/L
RT: 5.17 min Scan# 670
Delta R.T. 0.00 min
Lab File: VX020515.D
Acq: 06 Jan 2021 13:06

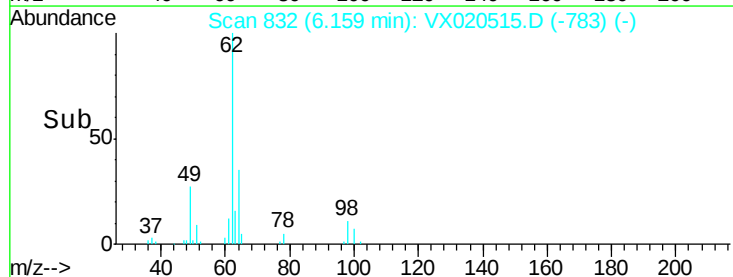
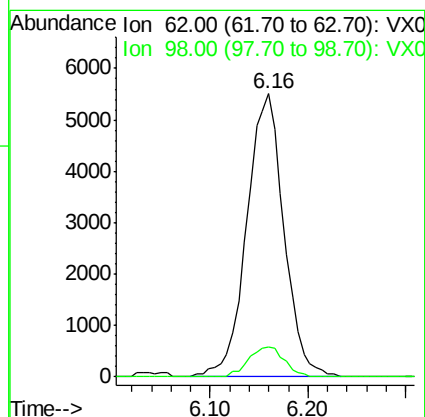
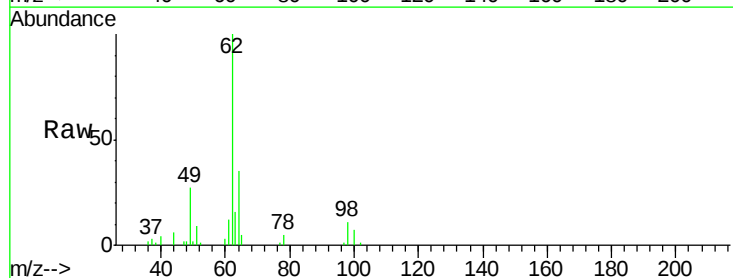
Instrument :
MSVOA_X
ClientSampleId :
VSTD005403

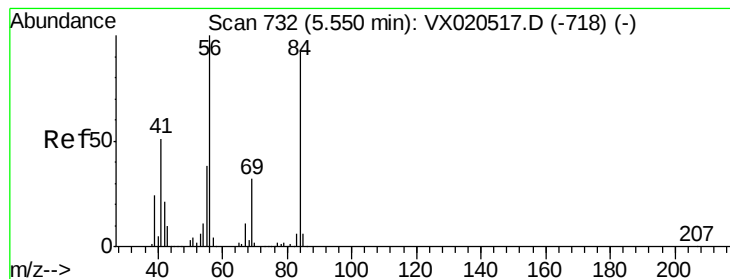
Tgt Ion: 83 Resp: 22273
Ion Ratio Lower Upper
83 100
85 65.2 46.3 85.9



#27
1,2-Dichloroethane
Concen: 3.985 ug/L
RT: 6.16 min Scan# 832
Delta R.T. 0.00 min
Lab File: VX020515.D
Acq: 06 Jan 2021 13:06

Tgt Ion: 62 Resp: 14548
Ion Ratio Lower Upper
62 100
98 10.6 7.9 11.9





#29

Cyclohexane

Concen: 3.608 ug/L

RT: 5.54 min Scan# 731

Delta R.T. -0.01 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

Instrument :

MSVOA_X

ClientSampleId :

VSTD005403

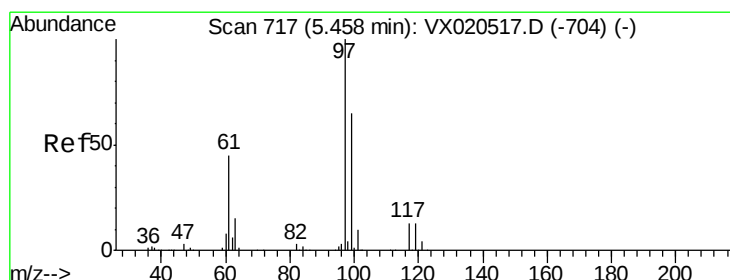
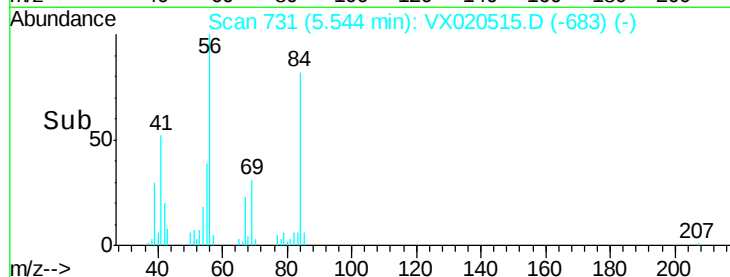
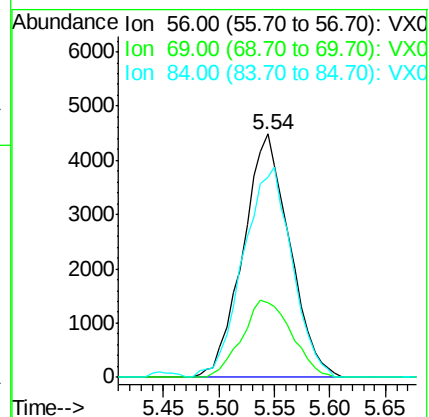
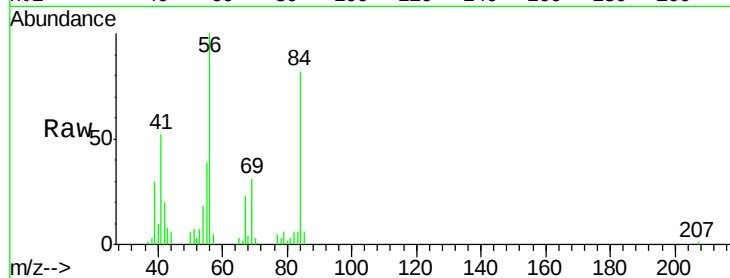
Tgt Ion: 56 Resp: 13048

Ion Ratio Lower Upper

56 100

69 33.7 25.7 38.5

84 90.4 72.4 108.6



#30

1,1,1-Trichloroethane

Concen: 3.634 ug/L

RT: 5.45 min Scan# 716

Delta R.T. -0.01 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

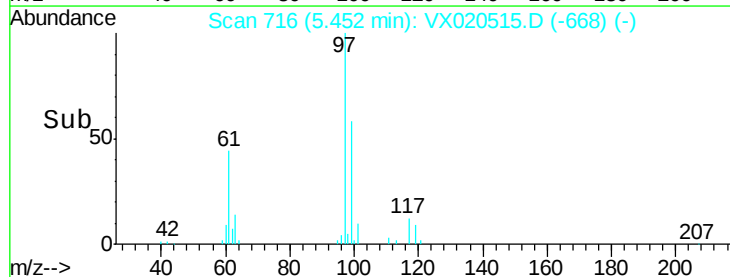
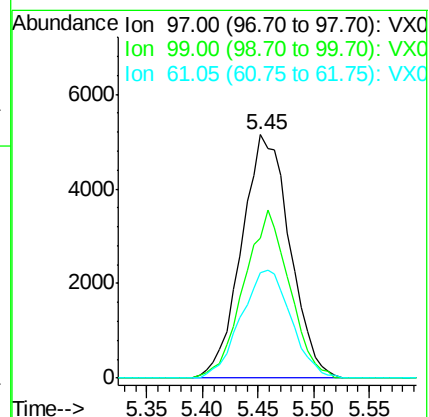
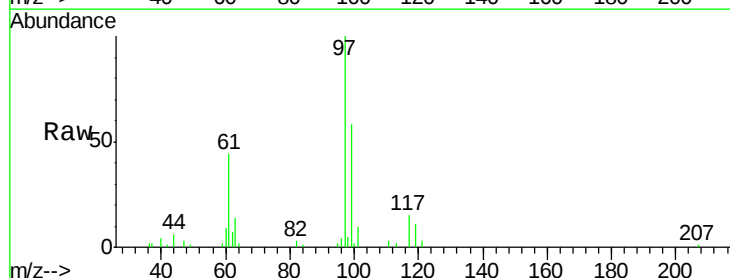
Tgt Ion: 97 Resp: 15554

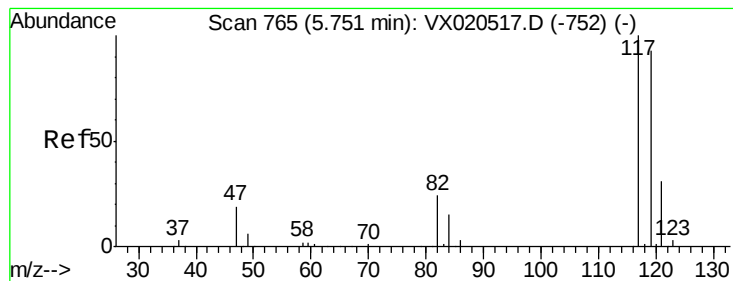
Ion Ratio Lower Upper

97 100

99 64.9 52.1 78.1

61 46.0 35.3 52.9





#31

Carbon tetrachloride

Concen: 3.495 ug/L

RT: 5.74 min Scan# 764

Delta R.T. -0.01 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

Instrument :

MSVOA_X

ClientSampleId :

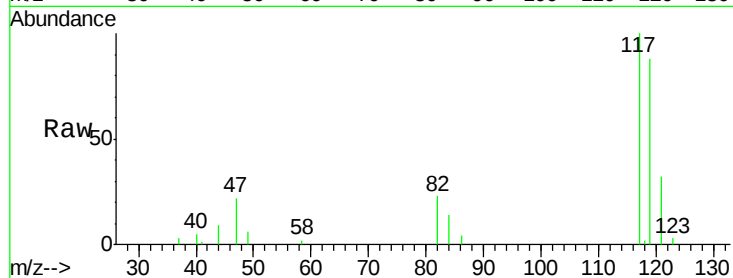
VSTD005403

Tgt Ion:117 Resp: 13326

Ion Ratio Lower Upper

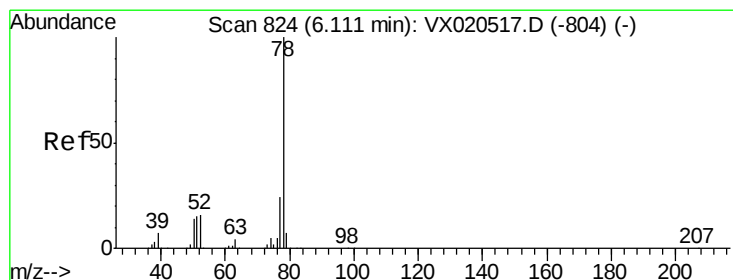
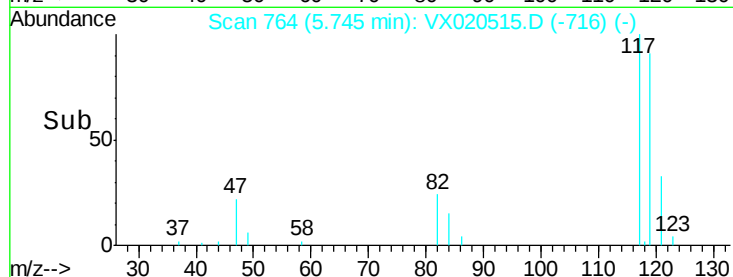
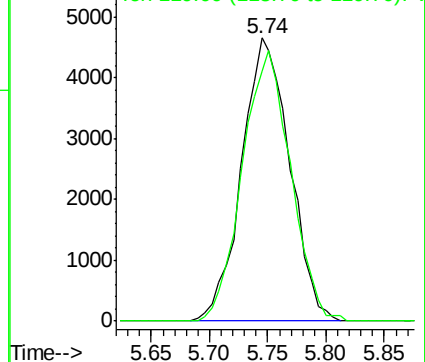
117 100

119 95.6 77.5 116.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 4.297 ug/L

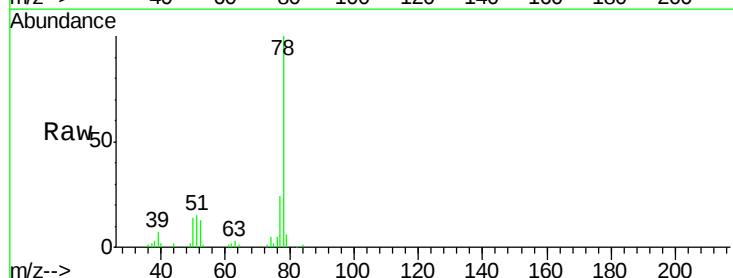
RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

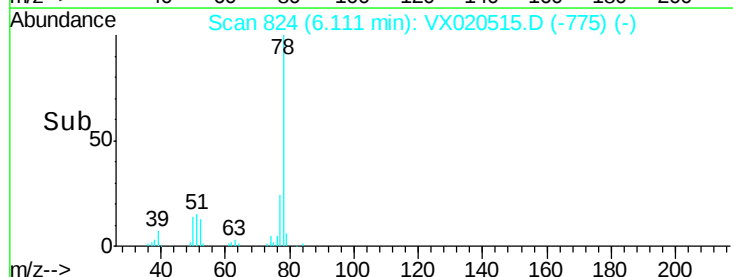
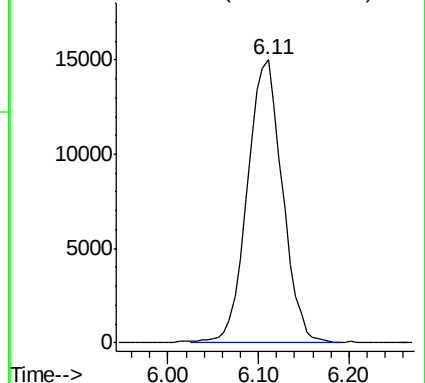
Lab File: VX020515.D

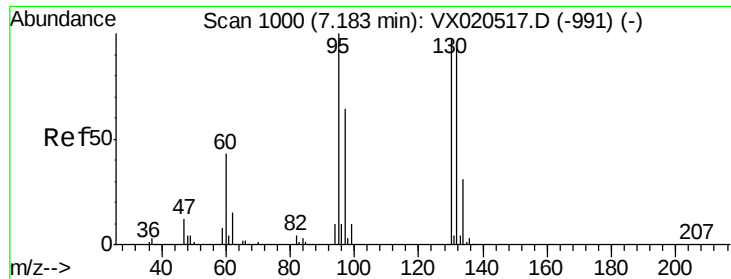
Acq: 06 Jan 2021 13:06

Tgt Ion: 78 Resp: 40119



Abundance Ion 78.00 (77.70 to 78.70): VX0





#34

Trichloroethene

Concen: 4.133 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

Instrument :

MSVOA_X

ClientSampleId :

VSTD005403

Tgt Ion: 95 Resp: 10546

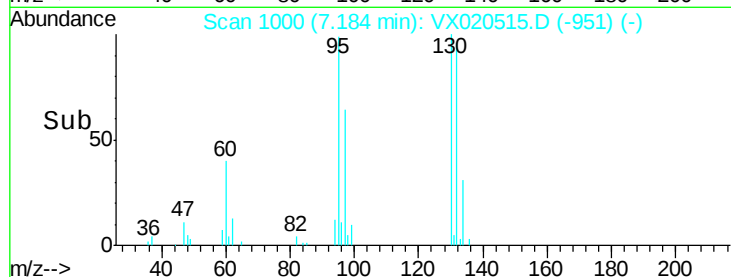
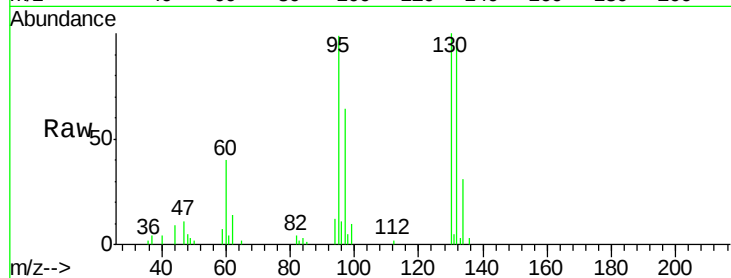
Ion Ratio Lower Upper

95 100

97 64.4 44.5 82.7

132 96.6 65.2 121.0

130 101.0 67.7 125.7

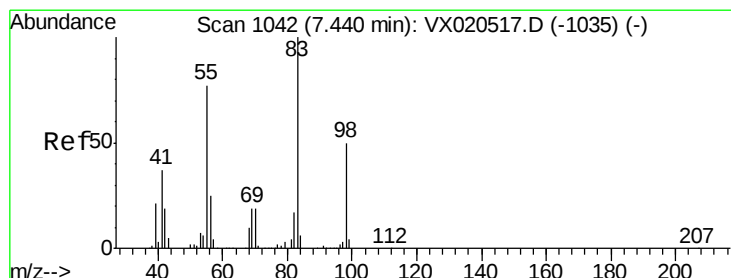
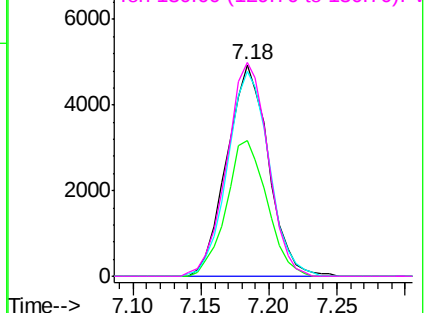


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 97.00 (96.70 to 97.70): VX0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 3.620 ug/L

RT: 7.43 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

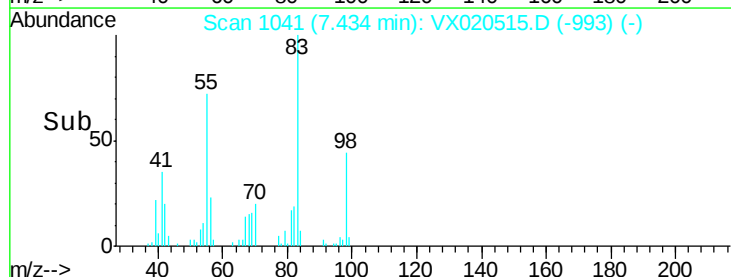
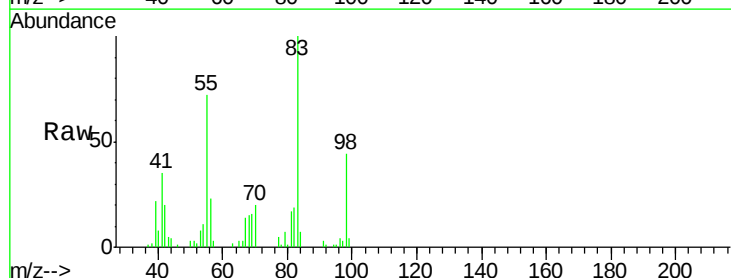
Tgt Ion: 83 Resp: 13553

Ion Ratio Lower Upper

83 100

55 80.0 61.2 91.8

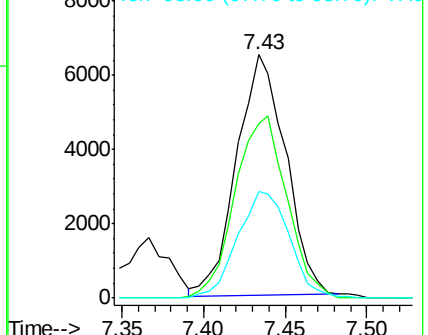
98 46.8 38.7 58.1

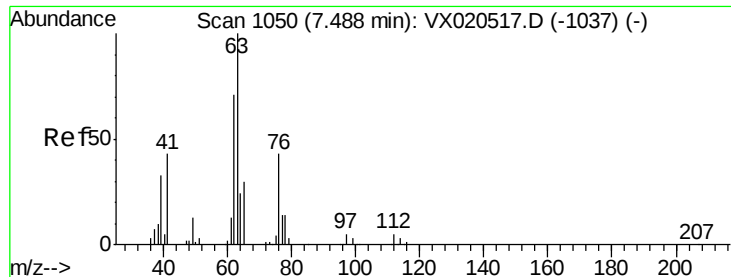


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#37

1,2-Dichloropropane

Concen: 4.180 ug/L

RT: 7.48 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

Instrument :

MSVOA_X

ClientSampled :

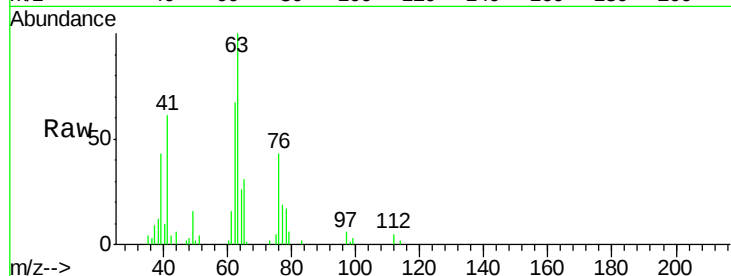
VSTD005403

Tgt Ion: 63 Resp: 10241

Ion Ratio Lower Upper

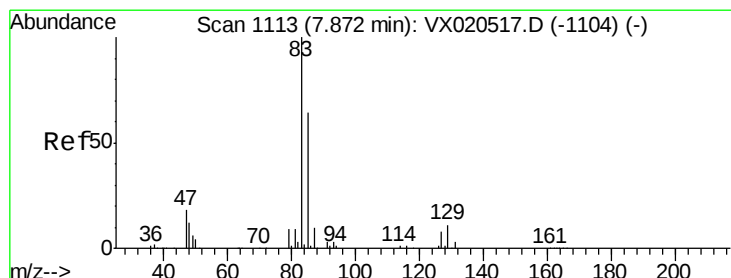
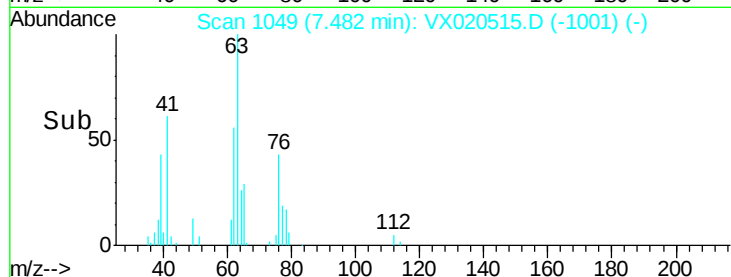
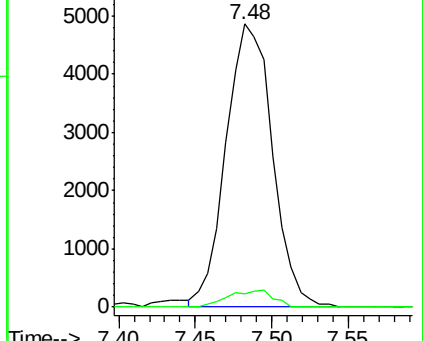
63 100

112 5.7 3.6 5.4#



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 3.792 ug/L

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

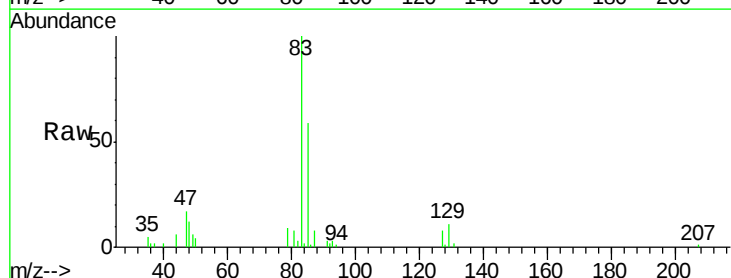
Tgt Ion: 83 Resp: 12996

Ion Ratio Lower Upper

83 100

85 59.5 45.1 83.7

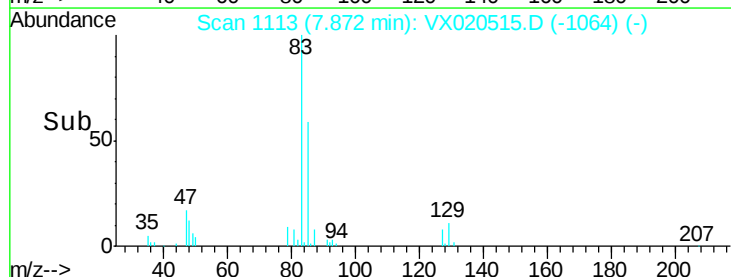
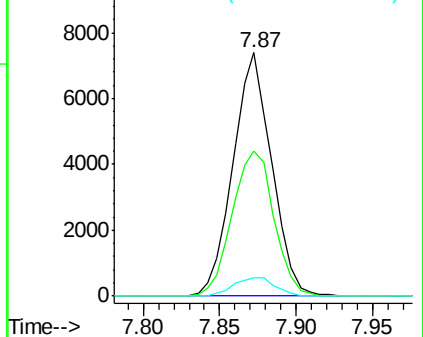
127 7.7 6.6 10.0

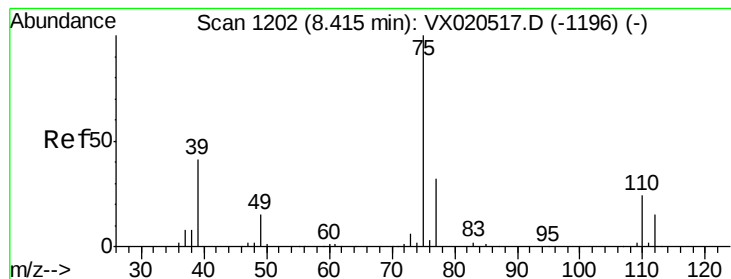


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V





#39

cis-1,3-Dichloropropene

Concen: 3.516 ug/L

RT: 8.41 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

Instrument :

MSVOA_X

ClientSampleId :

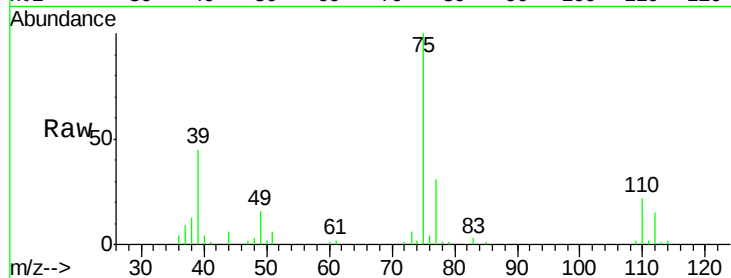
VSTD005403

Tgt Ion: 75 Resp: 13704

Ion Ratio Lower Upper

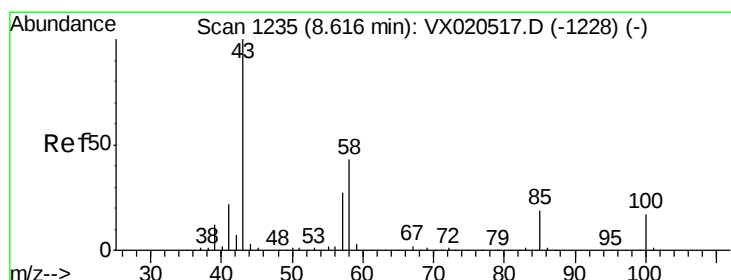
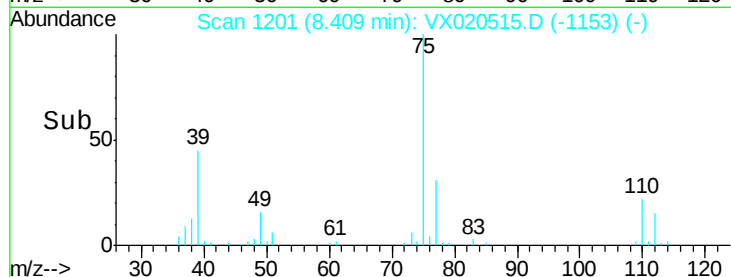
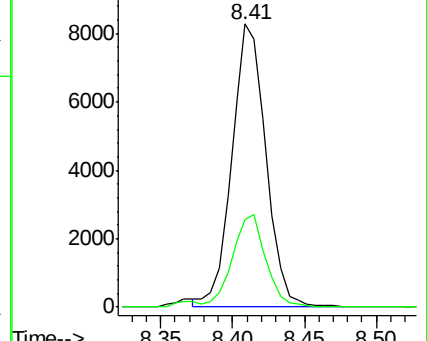
75 100

77 31.0 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#40

4-Methyl-2-pentanone

Concen: 6.828 ug/L

RT: 8.62 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

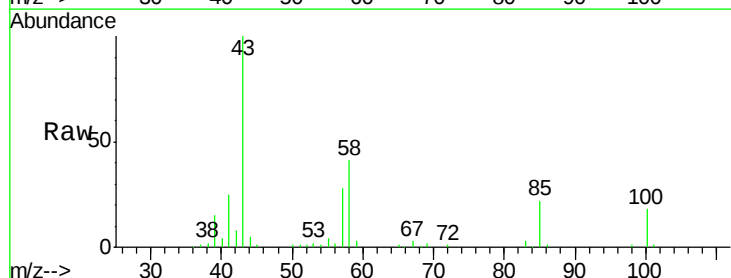
Tgt Ion: 43 Resp: 22165

Ion Ratio Lower Upper

43 100

58 42.2 35.0 52.4

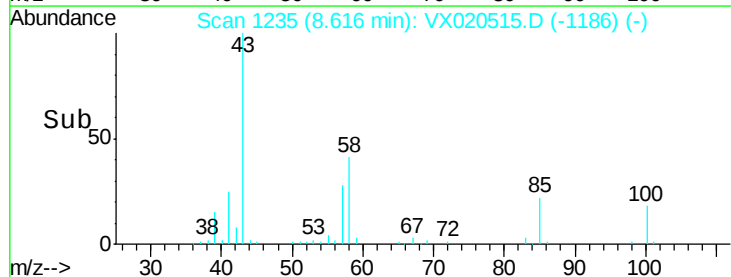
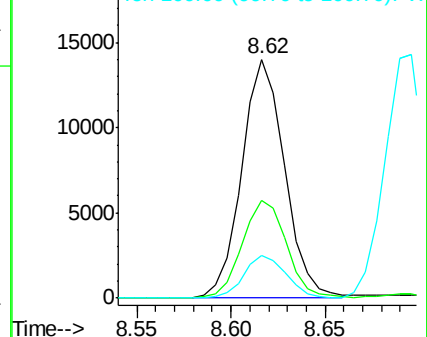
100 17.6 14.2 21.4

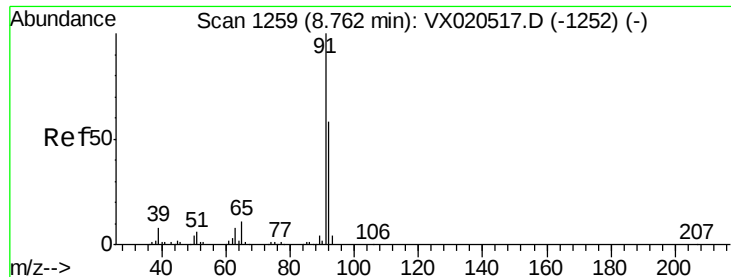


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 100.00 (99.70 to 100.70): V





#42

Toluene

Concen: 3.839 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

Instrument :

MSVOA_X

ClientSampleId :

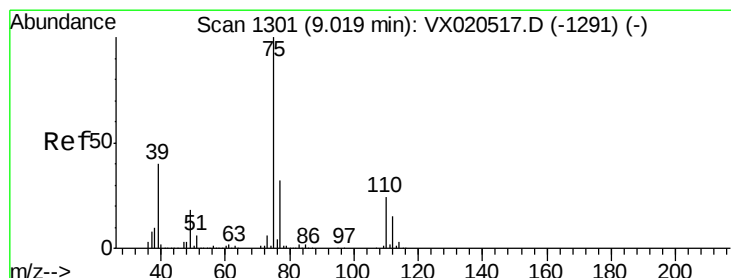
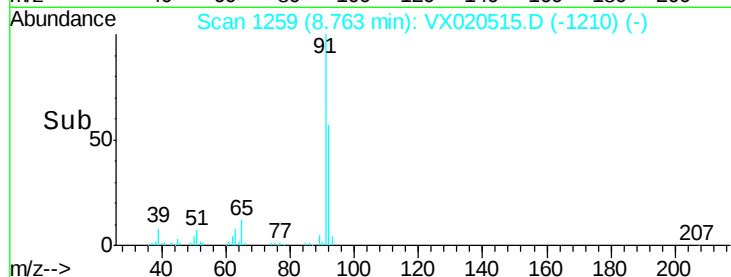
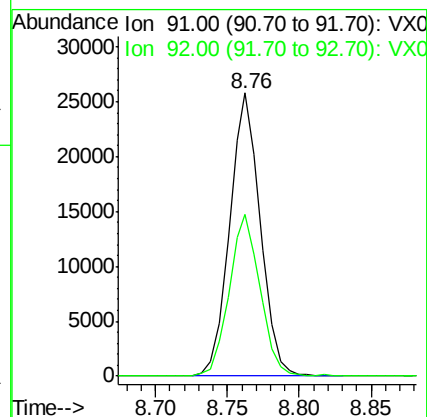
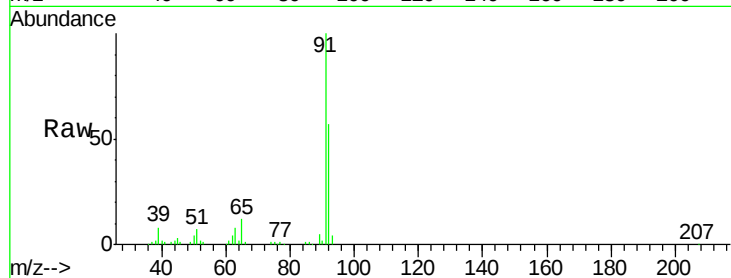
VSTD005403

Tgt Ion: 91 Resp: 38436

Ion Ratio Lower Upper

91 100

92 57.1 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 3.212 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VX020515.D

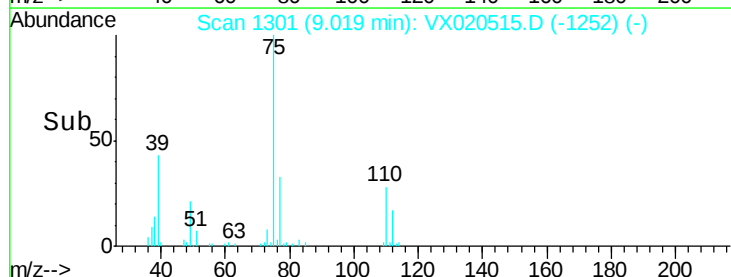
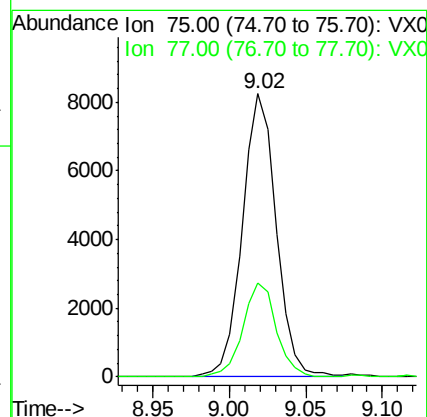
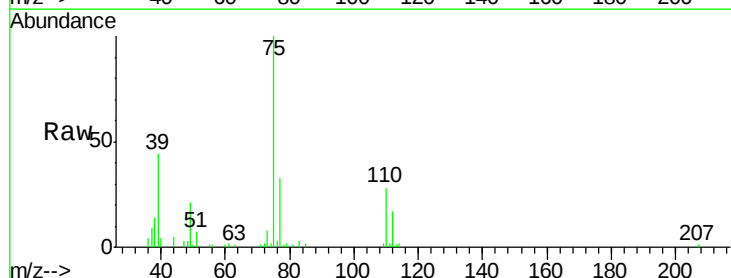
Acq: 06 Jan 2021 13:06

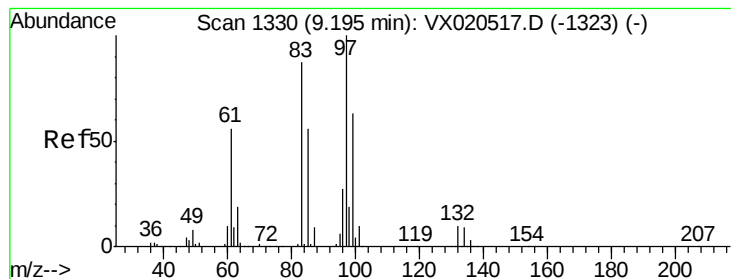
Tgt Ion: 75 Resp: 12675

Ion Ratio Lower Upper

75 100

77 33.3 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 4.673 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

Instrument :

MSVOA_X

ClientSampleId :

VSTD005403

Tgt Ion: 97 Resp: 10988

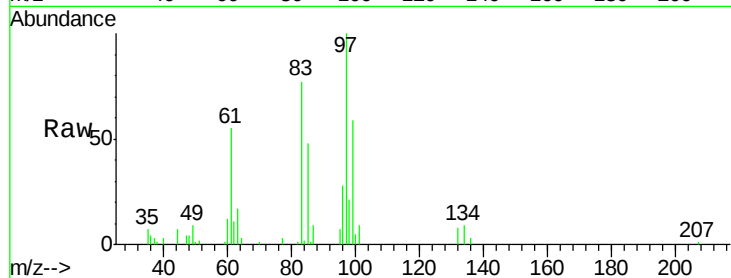
Ion Ratio Lower Upper

97 100

99 58.6 44.0 81.6

83 77.2 60.8 113.0

85 47.7 39.4 73.2



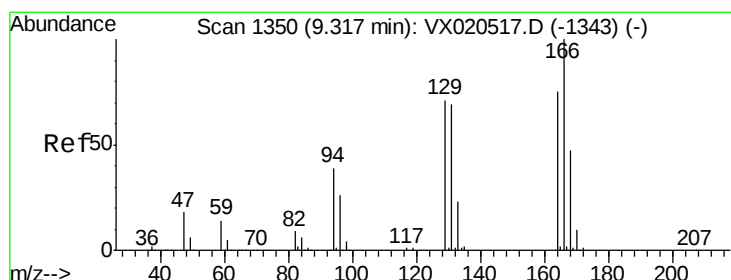
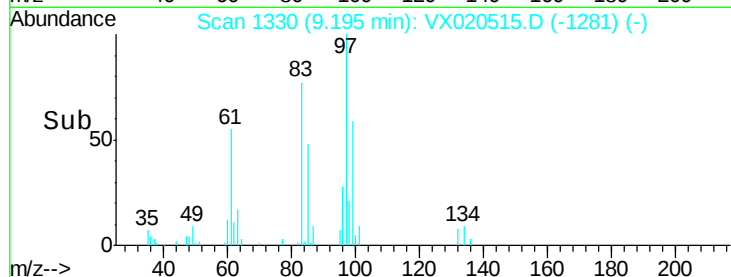
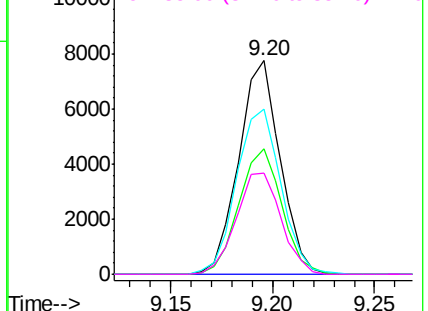
Abundance

Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#46

Tetrachloroethene

Concen: 3.945 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

Tgt Ion: 164 Resp: 8150

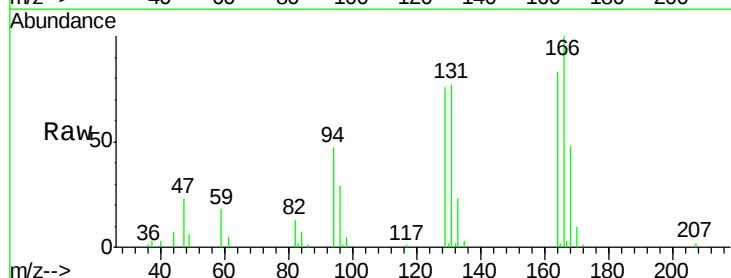
Ion Ratio Lower Upper

164 100

129 91.9 65.6 121.8

131 93.0 63.7 118.3

166 120.5 93.0 172.6



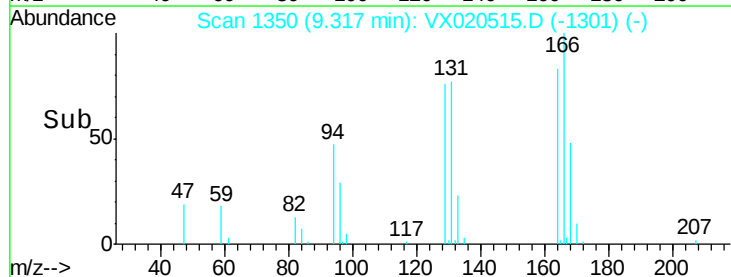
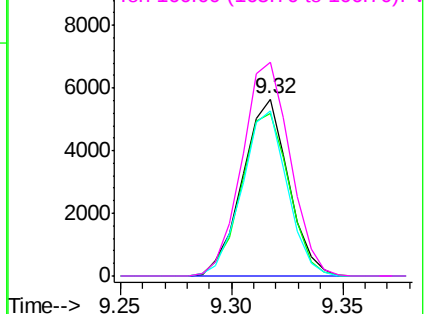
Abundance

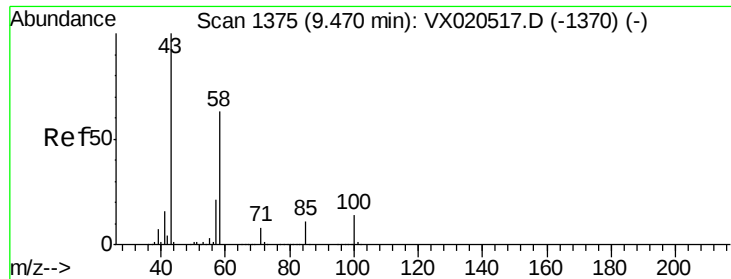
Ion 164.00 (163.70 to 164.70): V

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

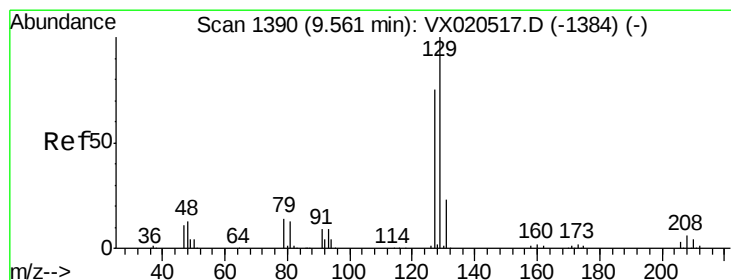
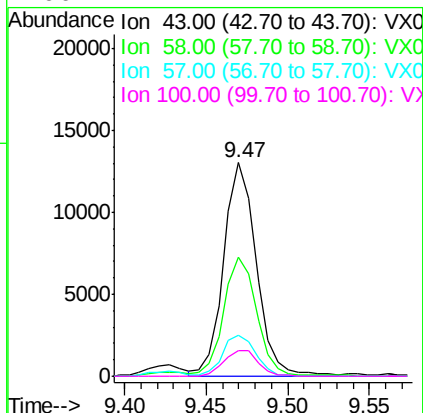
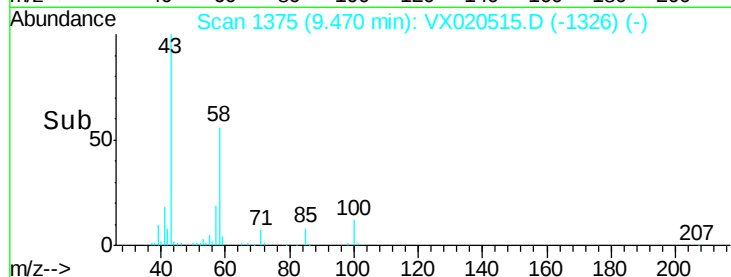
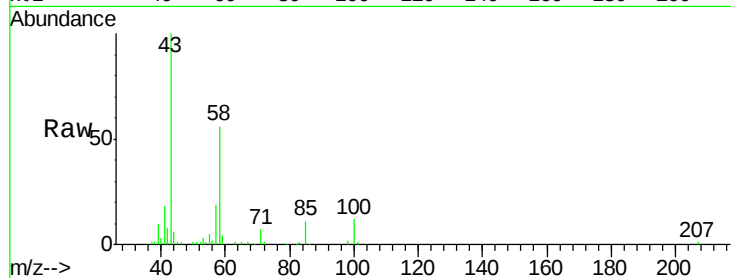




#48
2-Hexanone
Concen: 7.207 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX020515.D
Acq: 06 Jan 2021 13:06

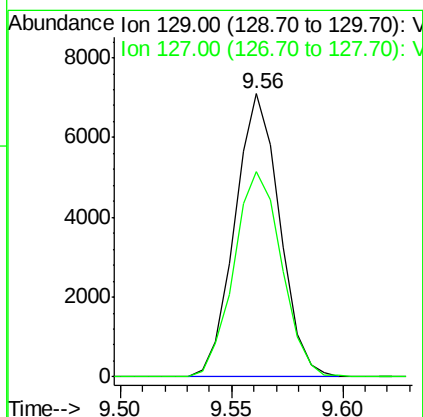
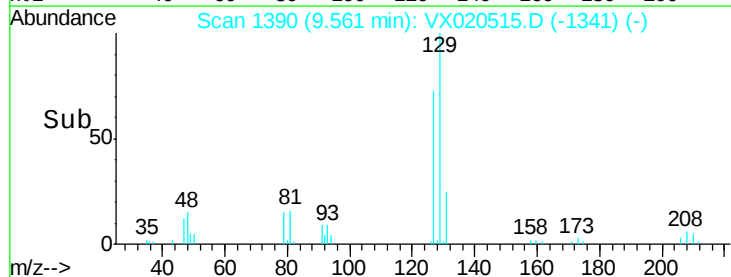
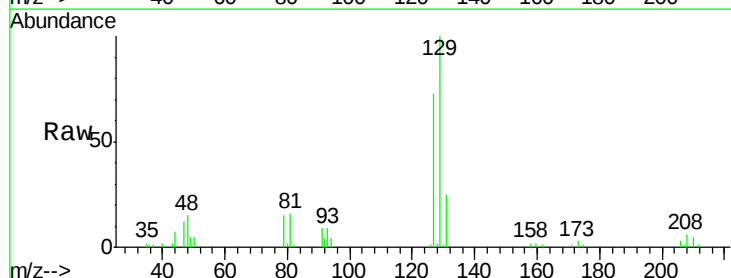
Instrument :
MSVOA_X
ClientSampleId :
VSTD005403

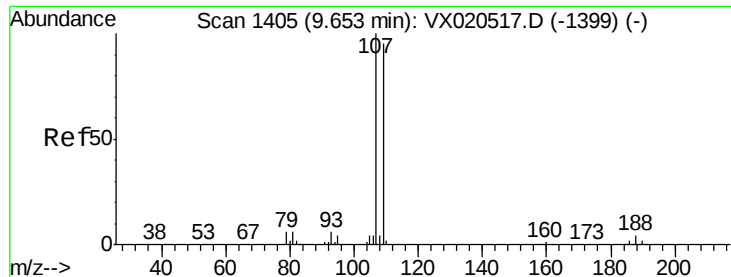
Tgt Ion:	43	Resp:	18320
Ion	Ratio	Lower	Upper
43	100		
58	55.8	50.1	75.1
57	19.7	17.3	25.9
100	12.7	11.4	17.2



#49
Dibromochloromethane
Concen: 3.474 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VX020515.D
Acq: 06 Jan 2021 13:06

Tgt Ion:	129	Resp:	9930
Ion	Ratio	Lower	Upper
129	100		
127	72.7	52.5	97.5

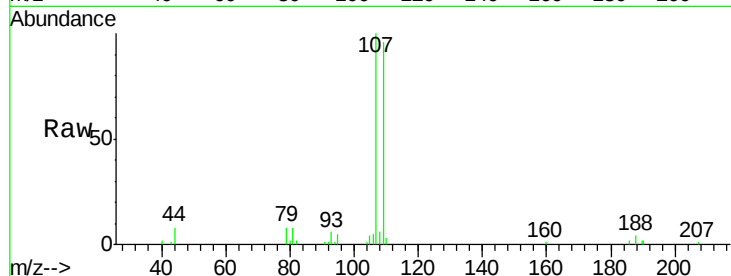




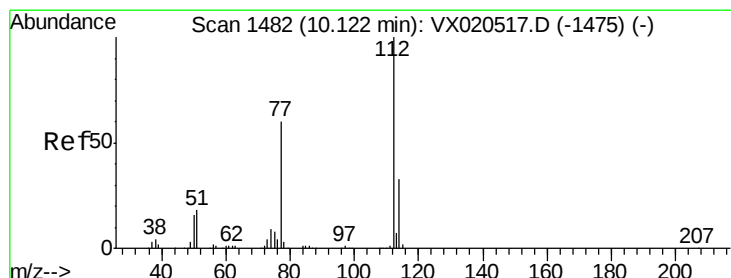
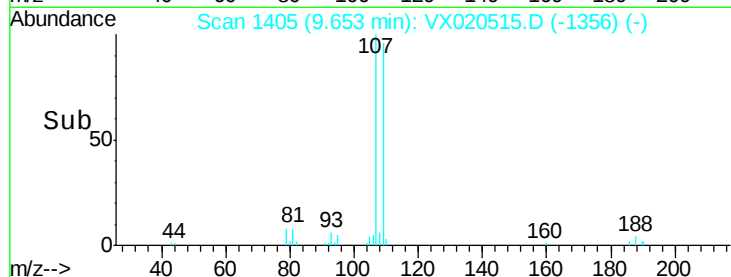
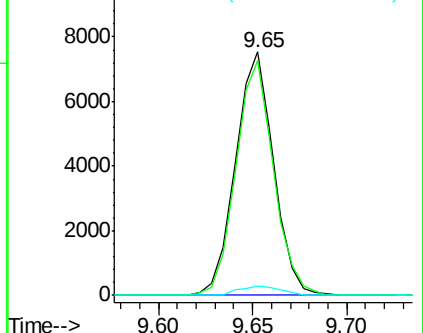
#50
1,2-Dibromoethane
Concen: 4.115 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. 0.00 min
Lab File: VX020515.D
Acq: 06 Jan 2021 13:06

Instrument :
MSVOA_X
ClientSampleId :
VSTD005403

Tgt Ion:107 Resp: 10565
Ion Ratio Lower Upper
107 100
109 96.4 66.4 123.4
188 3.7 3.2 4.8

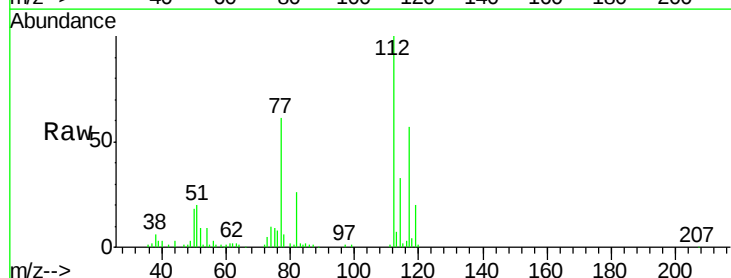


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

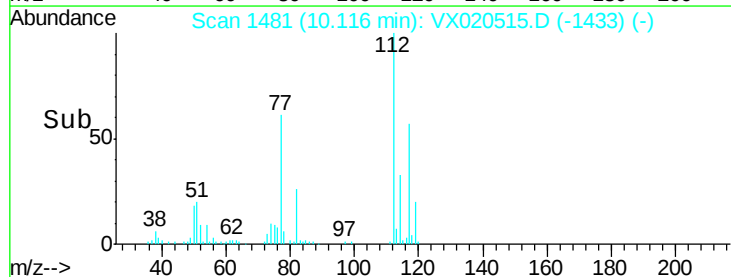
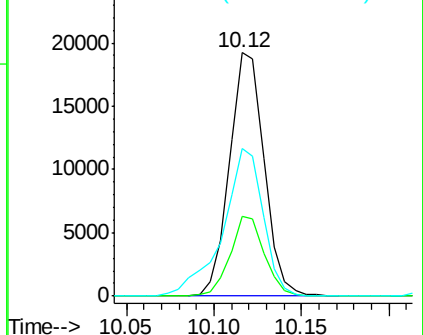


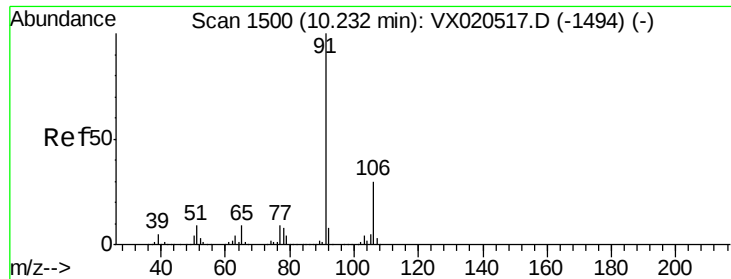
#51
Chlorobenzene
Concen: 4.023 ug/L
RT: 10.12 min Scan# 1481
Delta R.T. -0.01 min
Lab File: VX020515.D
Acq: 06 Jan 2021 13:06

Tgt Ion:112 Resp: 26548
Ion Ratio Lower Upper
112 100
114 32.8 23.2 43.2
77 60.7 48.4 72.6



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 3.632 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

Instrument :

MSVOA_X

ClientSampleId :

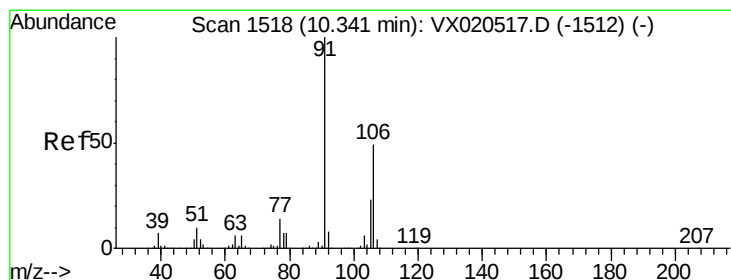
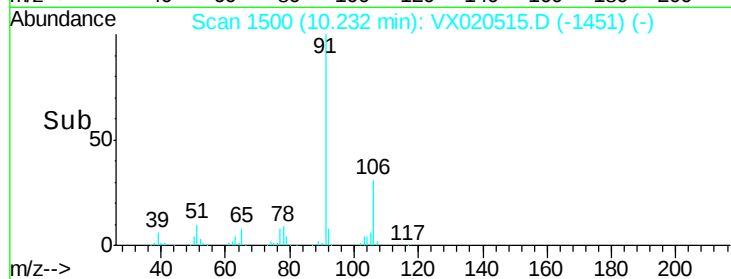
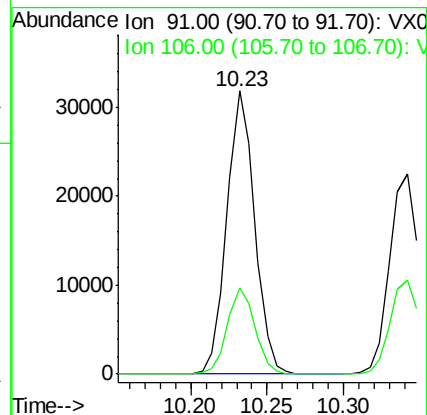
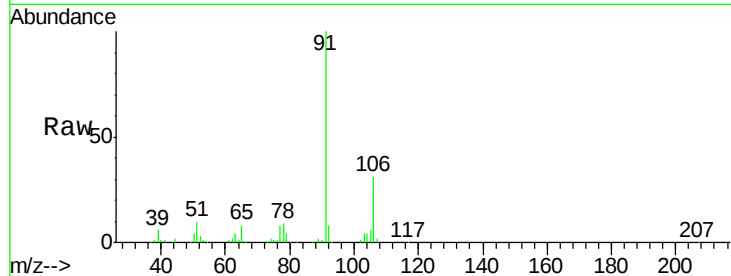
VSTD005403

Tgt Ion: 91 Resp: 40257

Ion Ratio Lower Upper

91 100

106 30.5 21.0 39.0



#53

m,p-Xylene

Concen: 3.418 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX020515.D

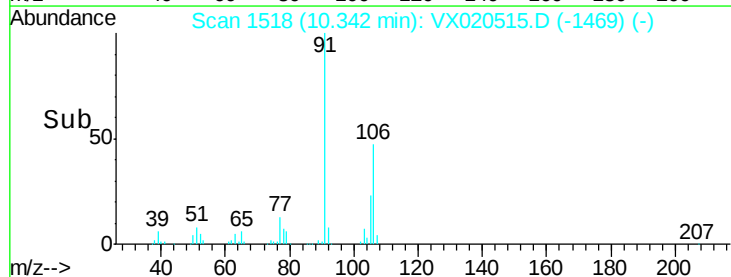
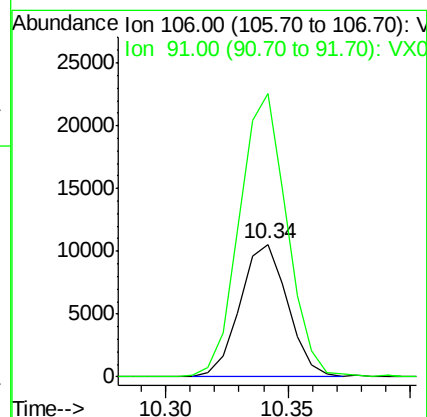
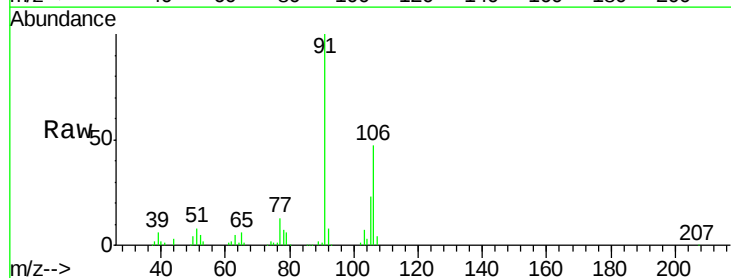
Acq: 06 Jan 2021 13:06

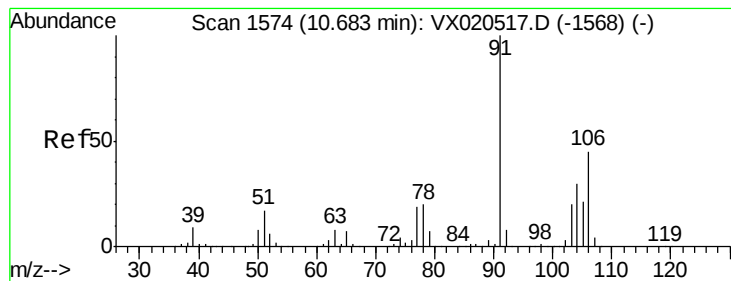
Tgt Ion: 106 Resp: 14305

Ion Ratio Lower Upper

106 100

91 213.3 142.5 264.6





#54

o-Xylene

Concen: 3.466 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

Instrument :

MSVOA_X

ClientSampled :

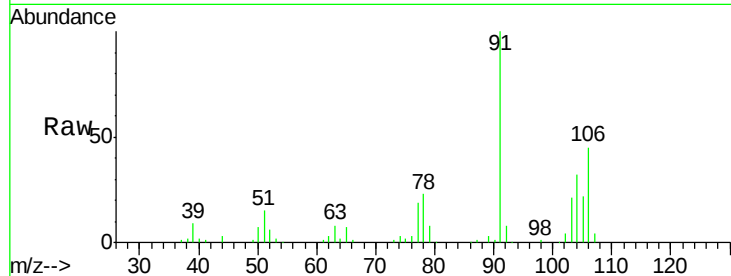
VSTD005403

Tgt Ion:106 Resp: 13915

Ion Ratio Lower Upper

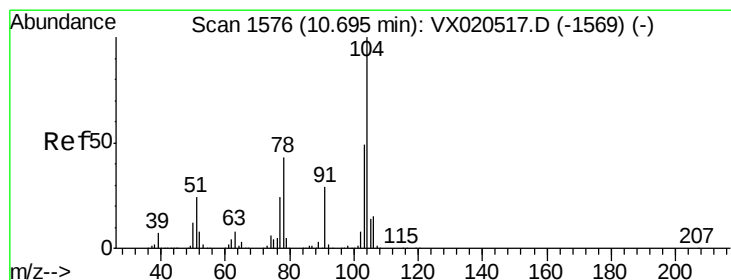
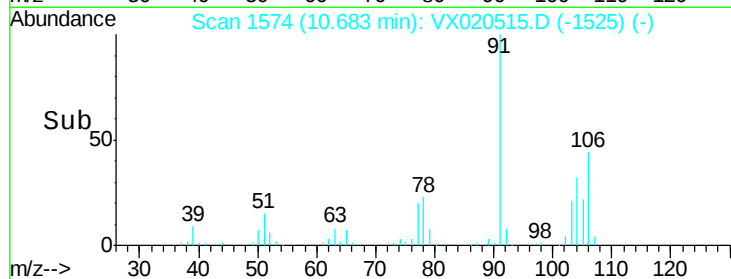
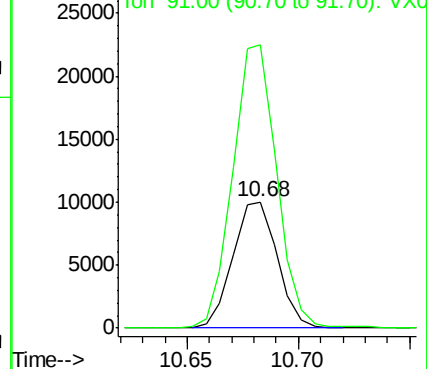
106 100

91 224.5 156.2 290.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#55

Styrene

Concen: 3.271 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX020515.D

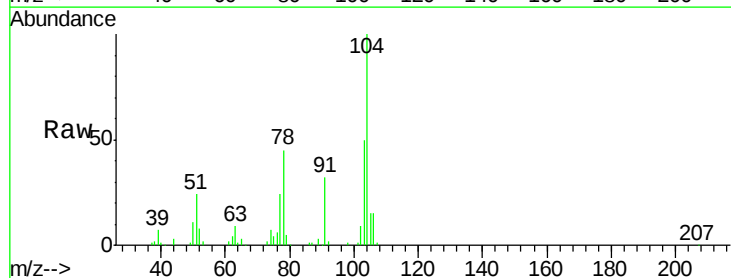
Acq: 06 Jan 2021 13:06

Tgt Ion:104 Resp: 22700

Ion Ratio Lower Upper

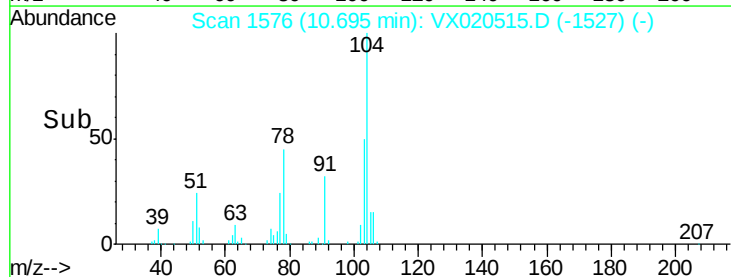
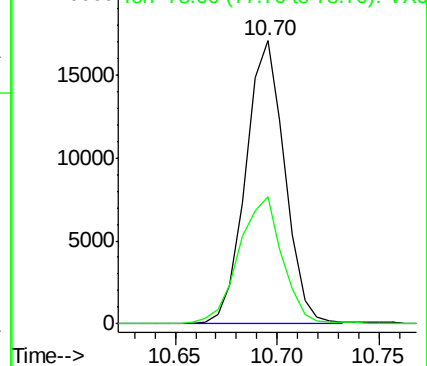
104 100

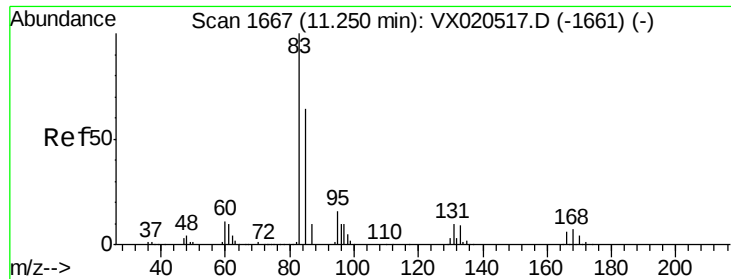
78 44.9 30.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0





#57

1,1,2,2-Tetrachloroethane

Concen: 4.212 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

Instrument :

MSVOA_X

ClientSampleId :

VSTD005403

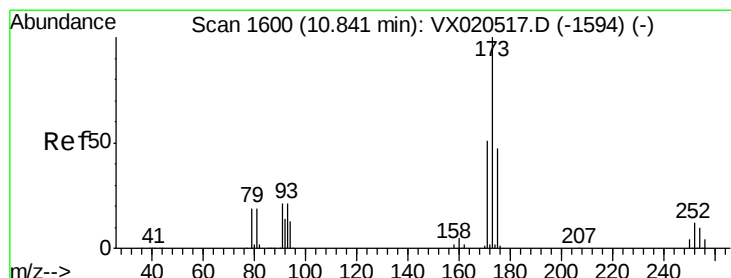
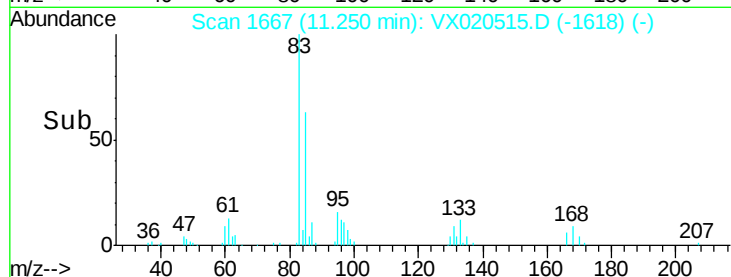
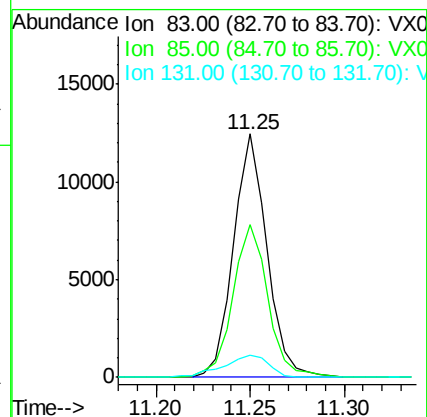
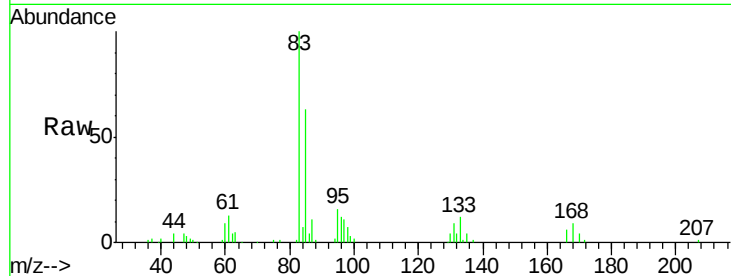
Tgt Ion: 83 Resp: 15378

Ion Ratio Lower Upper

83 100

85 62.9 44.7 82.9

131 9.0 7.8 11.8



#59

Bromoform

Concen: 3.396 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

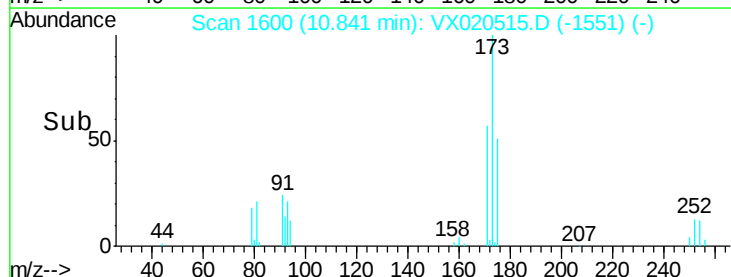
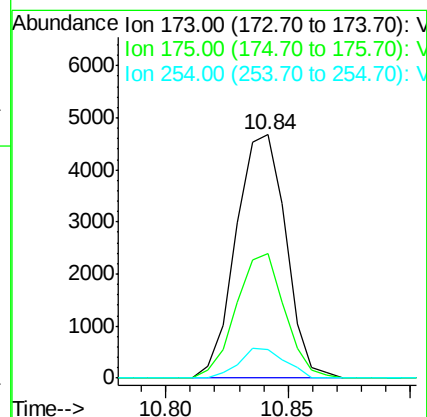
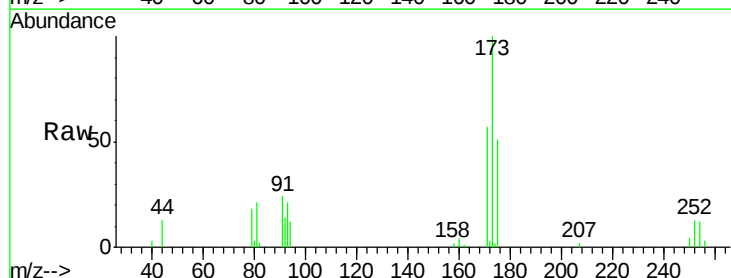
Tgt Ion: 173 Resp: 6644

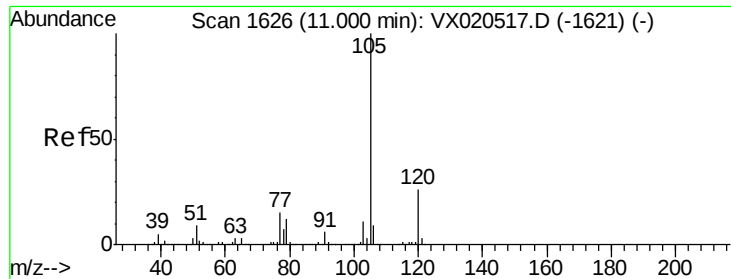
Ion Ratio Lower Upper

173 100

175 49.8 39.4 59.2

254 11.5 8.6 13.0





#60

Isopropylbenzene

Concen: 3.611 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

Instrument :

MSVOA_X

ClientSampleId :

VSTD005403

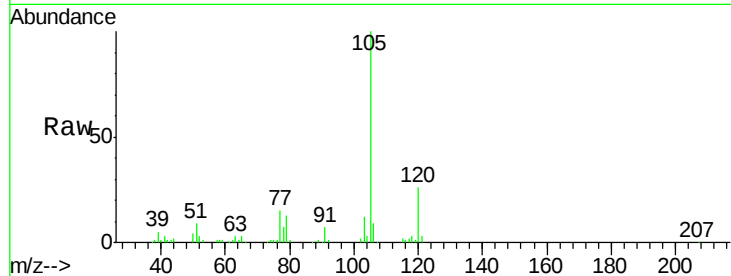
Tgt Ion: 105 Resp: 35534

Ion Ratio Lower Upper

105 100

120 25.2 21.2 31.8

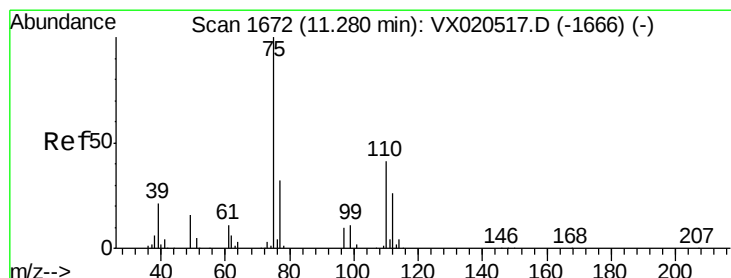
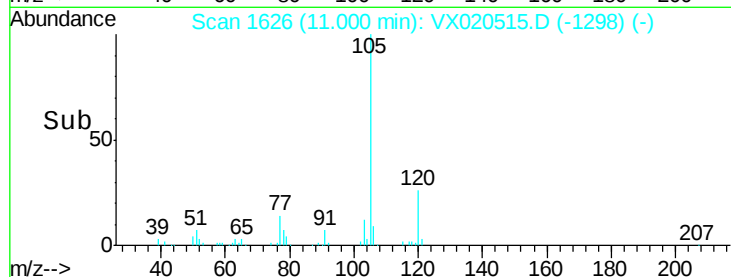
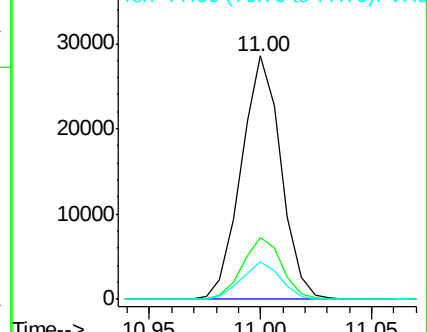
77 15.1 12.6 18.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 4.505 ug/L

RT: 11.27 min Scan# 1671

Delta R.T. -0.01 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

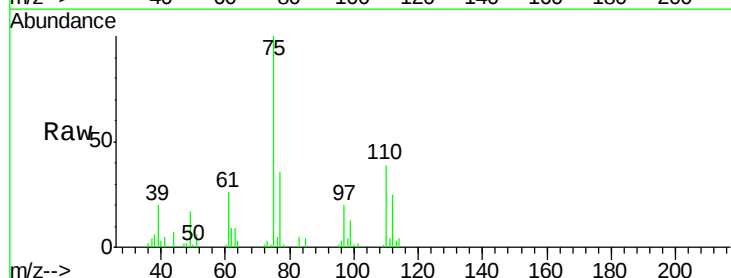
Tgt Ion: 75 Resp: 12754

Ion Ratio Lower Upper

75 100

77 34.2 26.2 39.2

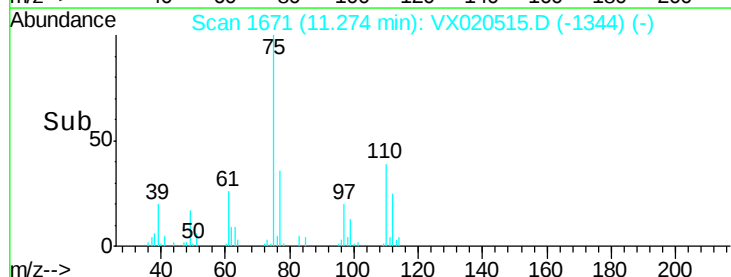
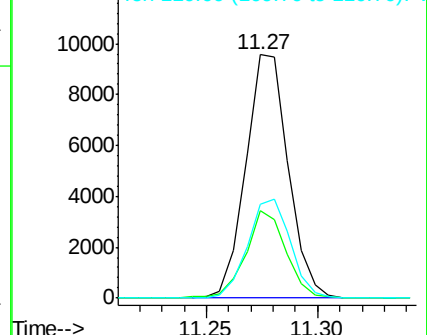
110 41.1 31.8 47.8

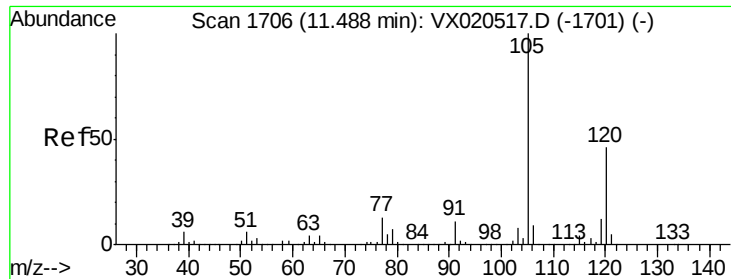


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 3.269 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

Instrument :

MSVOA_X

ClientSampleId :

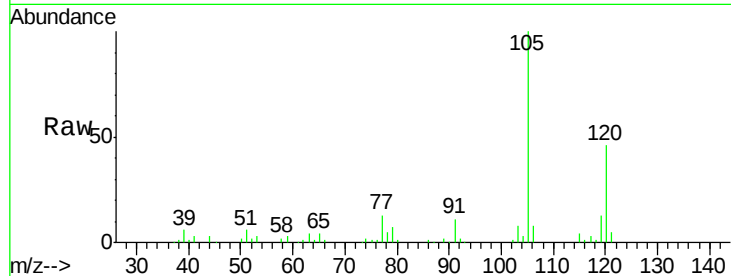
VSTD005403

Tgt Ion:105 Resp: 26657

Ion Ratio Lower Upper

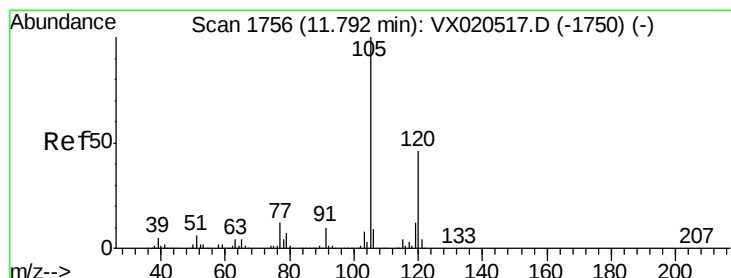
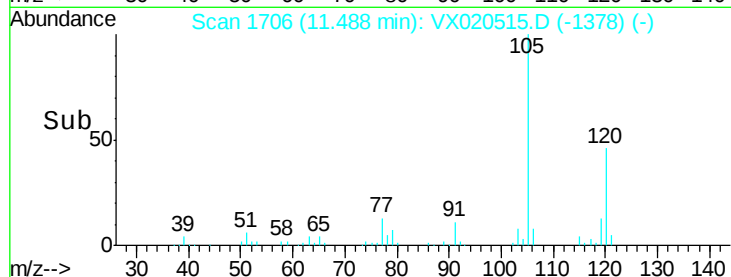
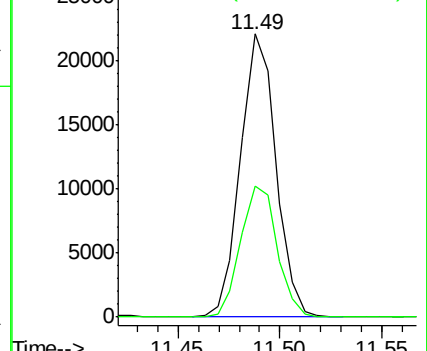
105 100

120 47.7 38.0 57.0



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: 3.169 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX020515.D

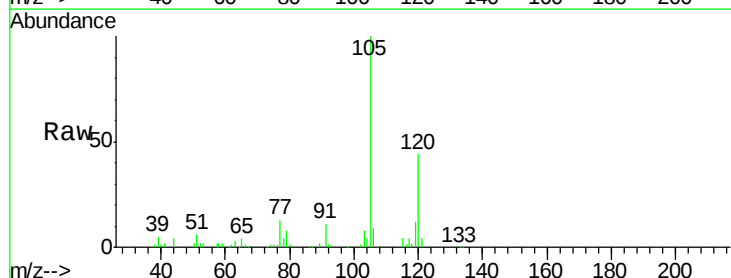
Acq: 06 Jan 2021 13:06

Tgt Ion:105 Resp: 26153

Ion Ratio Lower Upper

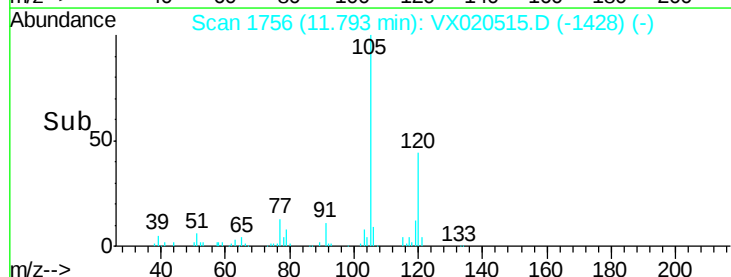
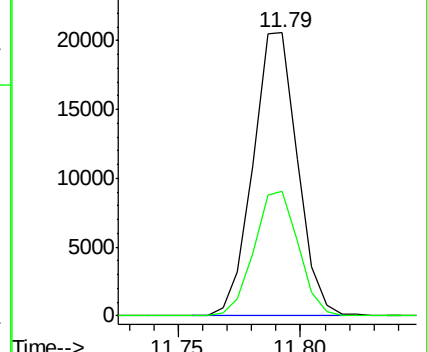
105 100

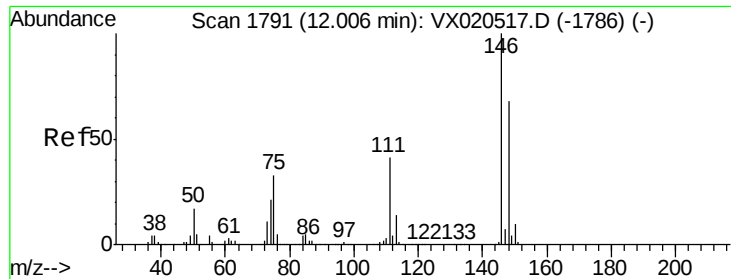
120 43.8 36.4 54.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 3.773 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

Instrument :

MSVOA_X

ClientSampleId :

VSTD005403

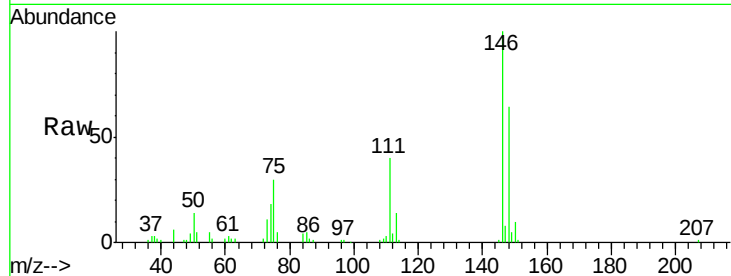
Tgt Ion:146 Resp: 18080

Ion Ratio Lower Upper

146 100

111 39.7 28.9 53.7

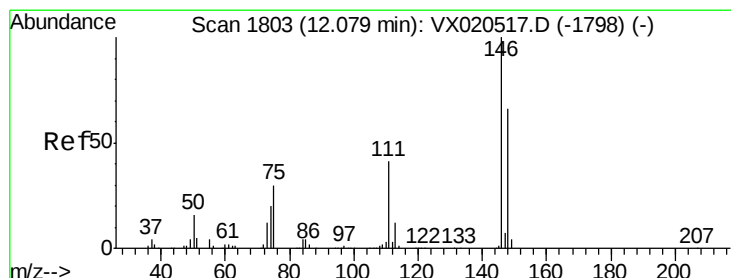
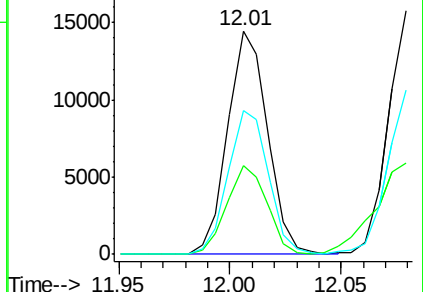
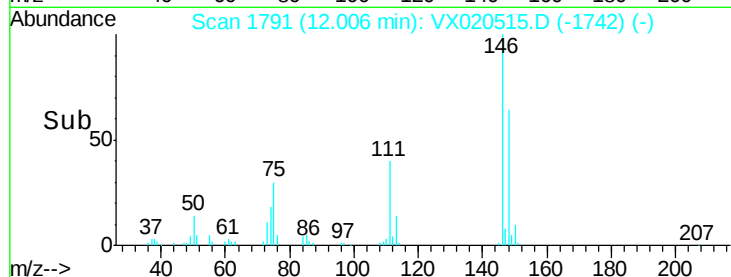
148 64.3 47.7 88.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 3.994 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX020515.D

Acq: 06 Jan 2021 13:06

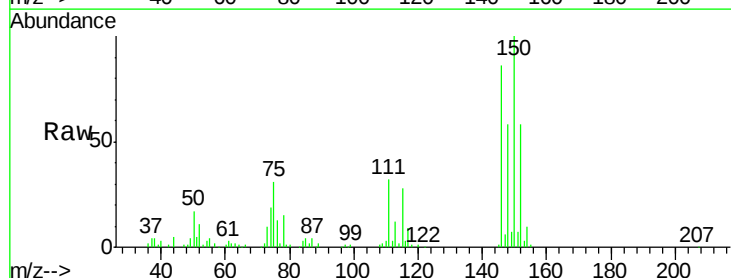
Tgt Ion:146 Resp: 19328

Ion Ratio Lower Upper

146 100

111 37.6 28.7 53.3

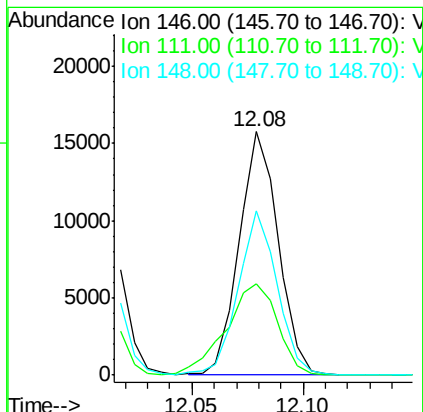
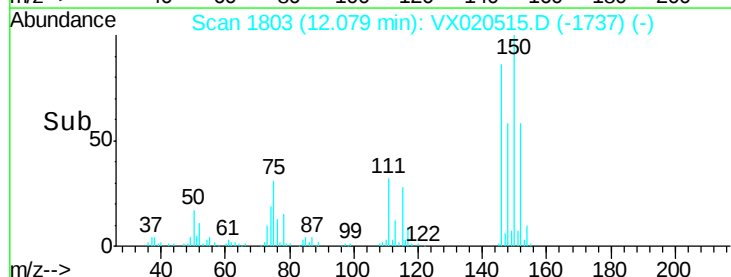
148 67.5 45.8 85.2

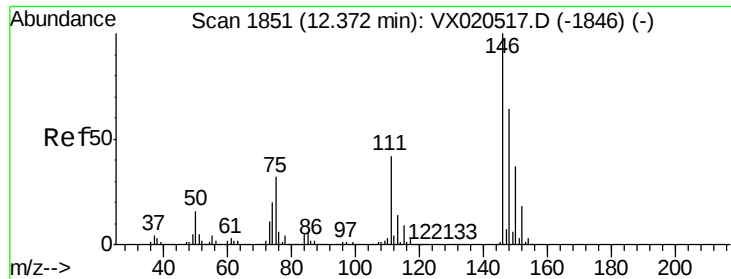


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

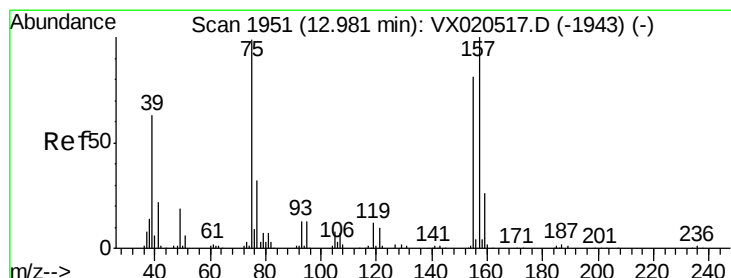
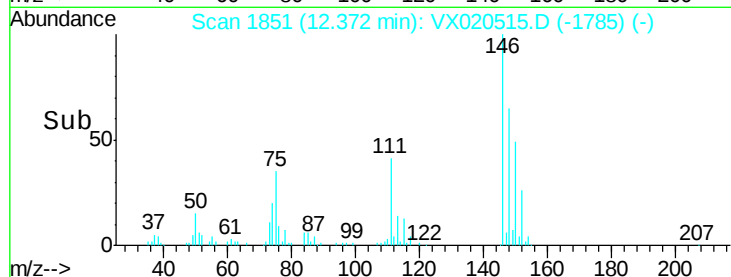
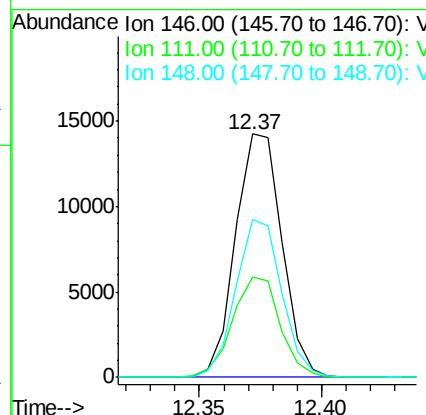
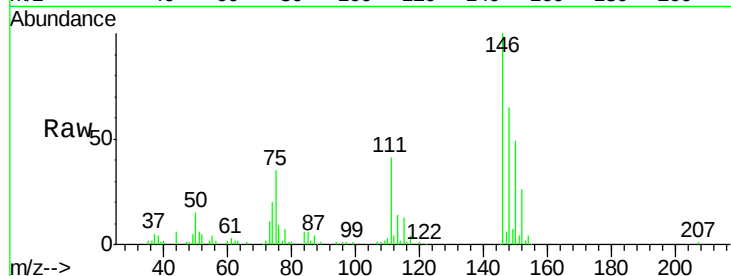




#67
 1,2-Dichlorobenzene
 Concen: 4.040 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VX020515.D
 Acq: 06 Jan 2021 13:06

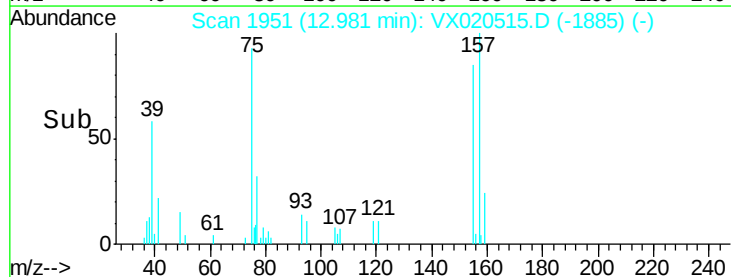
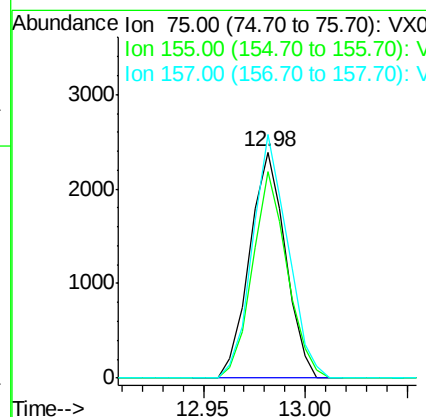
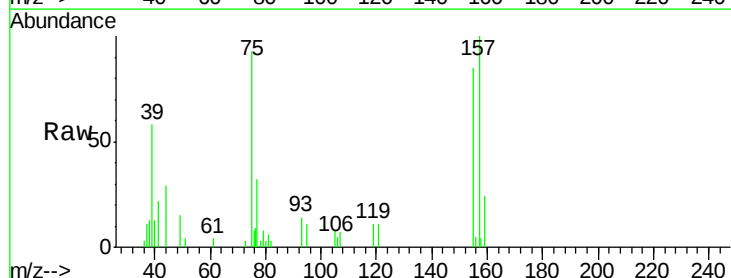
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005403

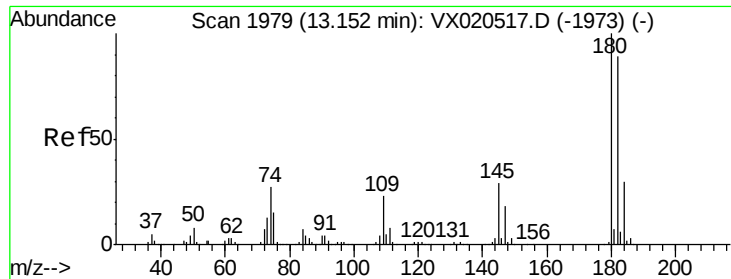
Tgt Ion: 146 Resp: 18856
 Ion Ratio Lower Upper
 146 100
 111 41.2 33.8 50.8
 148 65.0 51.4 77.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 3.599 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX020515.D
 Acq: 06 Jan 2021 13:06

Tgt Ion: 75 Resp: 2919
 Ion Ratio Lower Upper
 75 100
 155 91.1 65.3 97.9
 157 107.7 80.5 120.7

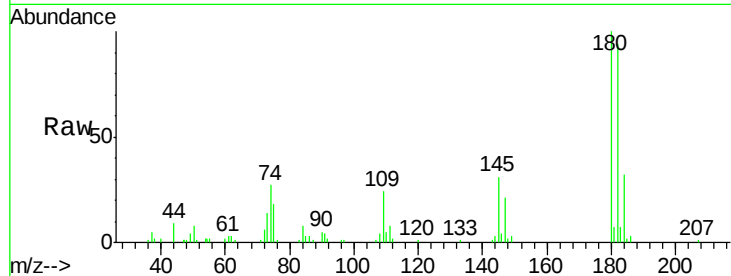




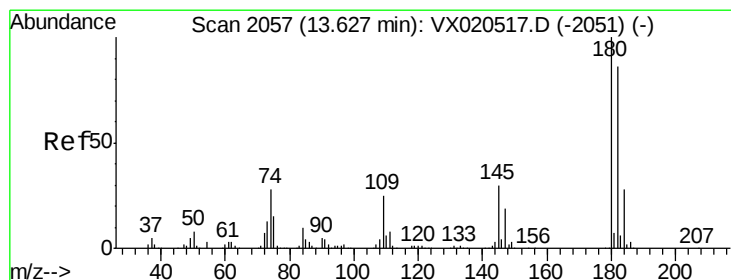
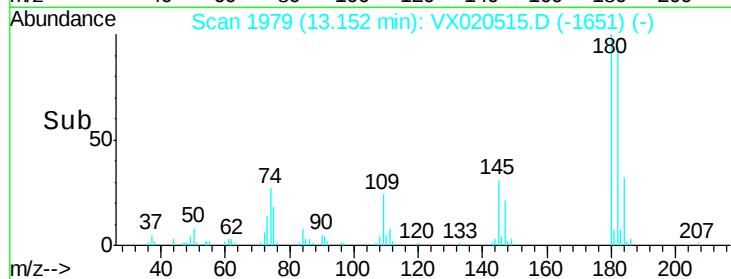
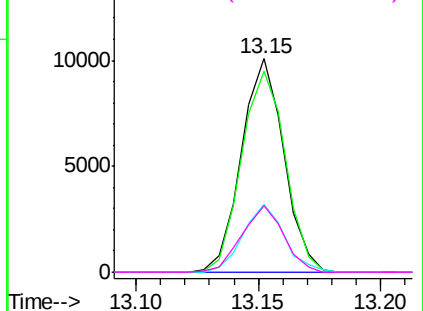
#69
 1,3,5-Trichlorobenzene
 Concen: 3.738 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX020515.D
 Acq: 06 Jan 2021 13:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005403

Tgt Ion:180 Resp: 12142
 Ion Ratio Lower Upper
 180 100
 182 97.4 74.8 112.2
 184 31.0 24.1 36.1
 145 30.8 23.7 35.5

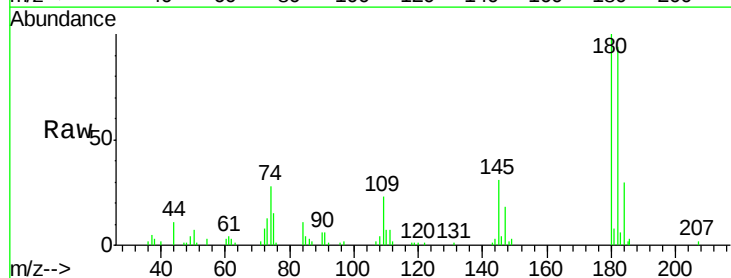


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

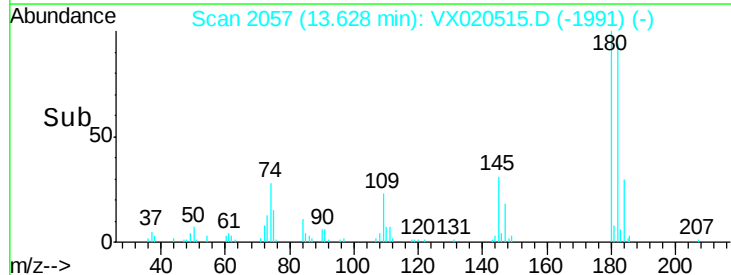
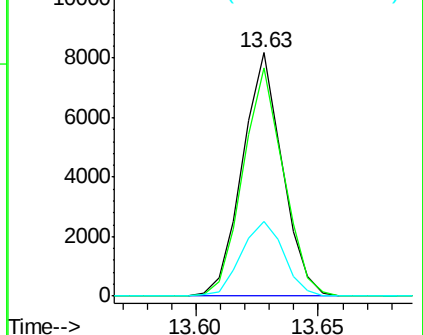


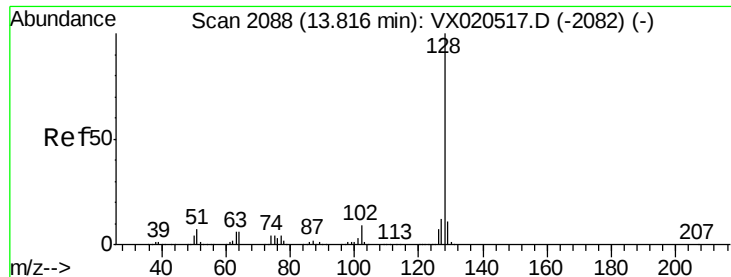
#70
 1,2,4-trichlorobenzene
 Concen: 3.177 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX020515.D
 Acq: 06 Jan 2021 13:06

Tgt Ion:180 Resp: 9337
 Ion Ratio Lower Upper
 180 100
 182 95.1 74.3 111.5
 145 32.4 24.1 36.1



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

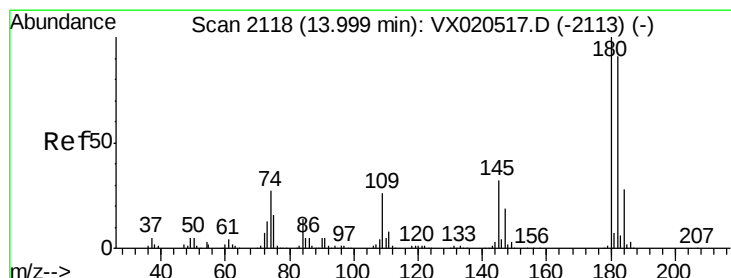
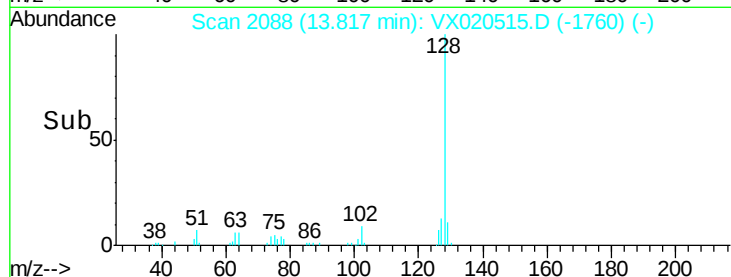
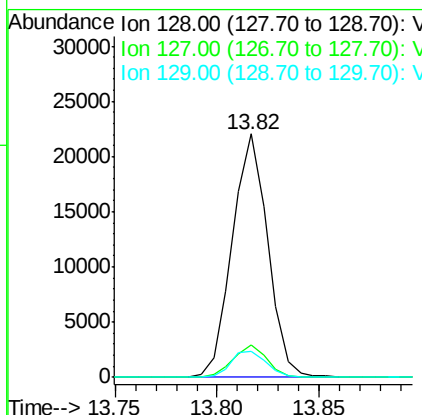
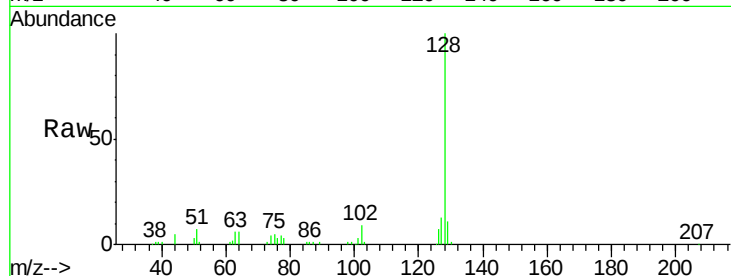




#71
Naphthalene
Concen: 2.862 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX020515.D
Acq: 06 Jan 2021 13:06

Instrument :
MSVOA_X
ClientSampleId :
VSTD005403

Tgt Ion:128 Resp: 26600
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.8 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 3.321 ug/L
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX020515.D
Acq: 06 Jan 2021 13:06

Tgt Ion:180 Resp: 9770
Ion Ratio Lower Upper
180 100
182 95.3 74.6 112.0
145 32.5 25.6 38.4

